

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057626.D
 Acq On : 31 May 2023 18:01
 Operator : CG/JU
 Sample : 02953-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

Quant Time: Jun 01 03:56:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	23270	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	90325	20.000	ng	0.00
39) Acenaphthene-d10	14.957	164	65806	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	173778	20.000	ng	0.00
76) Chrysene-d12	22.001	240	155977	20.000	ng	0.00
86) Perylene-d12	25.484	264	166848	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	184183	137.509	ng	0.00
7) Phenol-d6	7.491	99	246526	117.607	ng	0.00
23) Nitrobenzene-d5	9.518	82	172797	89.428	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	138290	131.258	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	409684	89.470	ng	0.00
79) Terphenyl-d14	20.262	244	813306	90.323	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.655	88	21406	38.572	ng	# 48
3) Pyridine	4.090	79	45073	26.566	ng	98
4) n-Nitrosodimethylamine	3.984	42	30195	43.986	ng	88
6) Aniline	7.656	93	52859	20.844	ng	96
8) 2-Chlorophenol	7.902	128	69003	47.986	ng	93
9) Benzaldehyde	7.462	77	29870	21.508	ng	91
10) Phenol	7.520	94	85294	42.991	ng	98
11) bis(2-Chloroethyl)ether	7.738	93	63780	43.053	ng	99
12) 1,3-Dichlorobenzene	8.225	146	69416	45.311	ng	98
13) 1,4-Dichlorobenzene	8.372	146	70455	45.205	ng	97
14) 1,2-Dichlorobenzene	8.695	146	68473	45.042	ng	96
15) Benzyl Alcohol	8.578	79	74062	45.930	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.854	45	81802m	44.469	ng	
17) 2-Methylphenol	8.783	107	61819	42.430	ng	97
18) Hexachloroethane	9.430	117	24715	46.311	ng	97
19) n-Nitroso-di-n-propyla...	9.142	70	59494	40.853	ng	99
20) 3+4-Methylphenols	9.112	107	85426	41.767	ng	99
22) Acetophenone	9.171	105	110243	45.644	ng	97
24) Nitrobenzene	9.565	77	88462	45.102	ng	97
25) Isophorone	10.082	82	163315	43.001	ng	98
26) 2-Nitrophenol	10.281	139	39334	46.772	ng	99
27) 2,4-Dimethylphenol	10.322	122	71294m	49.034	ng	
28) bis(2-Chloroethoxy)met...	10.552	93	89981	45.691	ng	98
29) 2,4-Dichlorophenol	10.828	162	74911	49.055	ng	97
30) 1,2,4-Trichlorobenzene	11.033	180	74732	44.903	ng	99
31) Naphthalene	11.227	128	209455	43.836	ng	98
32) Benzoic acid	10.487	122	32212m	39.383	ng	
33) 4-Chloroaniline	11.339	127	18651	8.488	ng	94
34) Hexachlorobutadiene	11.491	225	51652	44.870	ng	96
35) Caprolactam	12.108	113	23791m	37.581	ng	
36) 4-Chloro-3-methylphenol	12.437	107	84031	46.489	ng	99
37) 2-Methylnaphthalene	12.807	142	156773	41.805	ng	96
38) 1-Methylnaphthalene	13.025	142	149322	41.725	ng	99
40) 1,2,4,5-Tetrachloroben...	13.166	216	104083	48.188	ng	99
41) Hexachlorocyclopentadiene	13.136	237	56493	93.301	ng	95
43) 2,4,6-Trichlorophenol	13.407	196	68907	50.674	ng	99

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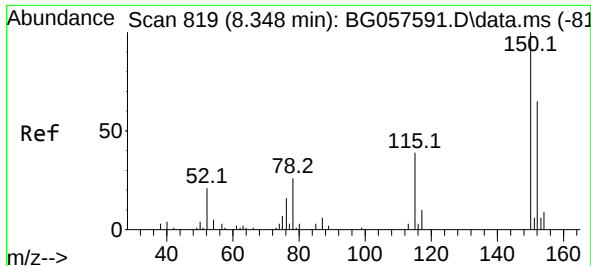
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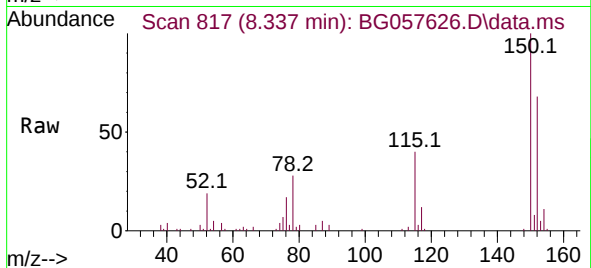
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.489	196	74011	45.698	ng	98
46) 1,1'-Biphenyl	13.788	154	227231	48.314	ng	99
47) 2-Chloronaphthalene	13.847	162	173129	48.871	ng	99
48) 2-Nitroaniline	14.047	65	60454	48.717	ng	94
49) Acenaphthylene	14.681	152	277157	46.201	ng	99
50) Dimethylphthalate	14.393	163	245185	45.207	ng	100
51) 2,6-Dinitrotoluene	14.529	165	55072	47.435	ng	96
52) Acenaphthene	15.016	154	170171	46.359	ng	98
53) 3-Nitroaniline	14.863	138	24437	20.180	ng #	97
54) 2,4-Dinitrophenol	15.081	184	68896	96.710	ng	94
55) Dibenzofuran	15.351	168	287097	45.773	ng	99
56) 4-Nitrophenol	15.181	139	75095	93.074	ng	95
57) 2,4-Dinitrotoluene	15.316	165	82266	47.324	ng	98
58) Fluorene	15.997	166	240949	45.498	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.580	232	75464	49.737	ng	100
60) Diethylphthalate	15.739	149	254432	44.945	ng	99
61) 4-Chlorophenyl-phenyle...	15.974	204	132165	44.781	ng	99
62) 4-Nitroaniline	16.027	138	54659	41.843	ng	91
63) Azobenzene	16.267	77	234823	46.644	ng	99
65) 4,6-Dinitro-2-methylph...	16.085	198	53264	50.339	ng	96
66) n-Nitrosodiphenylamine	16.191	169	212145	46.969	ng	98
67) 4-Bromophenyl-phenylether	16.867	248	92040	47.216	ng	100
68) Hexachlorobenzene	17.002	284	99107	49.323	ng	98
69) Atrazine	17.119	200	91912	47.397	ng	99
70) Pentachlorophenol	17.348	266	97061	94.800	ng	98
71) Phenanthrene	17.736	178	419619	47.186	ng	99
72) Anthracene	17.830	178	420272	46.068	ng	99
73) Carbazole	18.094	167	391227	47.937	ng	99
74) Di-n-butylphthalate	18.605	149	458354	47.310	ng	99
75) Fluoranthene	19.727	202	517172	44.797	ng	100
77) Benzidine	19.910	184	53848m	11.409	ng	
78) Pyrene	20.086	202	524693	47.244	ng	99
80) Butylbenzylphthalate	20.932	149	195637	48.369	ng	98
81) Benzo(a)anthracene	21.977	228	508147	46.959	ng	99
82) 3,3'-Dichlorobenzidine	21.872	252	103245	25.873	ng	97
83) Chrysene	22.048	228	464751	45.448	ng	100
84) Bis(2-ethylhexyl)phtha...	21.813	149	272439	47.220	ng	99
85) Di-n-octyl phthalate	23.099	149	464562	48.578	ng	100
87) Indeno(1,2,3-cd)pyrene	29.520	276	565381	48.603	ng	99
88) Benzo(b)fluoranthene	24.368	252	514771	50.124	ng	99
89) Benzo(k)fluoranthene	24.439	252	496278	47.881	ng	99
90) Benzo(a)pyrene	25.320	252	446405	44.572	ng	99
91) Dibenzo(a,h)anthracene	29.573	278	473725	48.932	ng	99
92) Benzo(g,h,i)perylene	30.789	276	459307	48.646	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

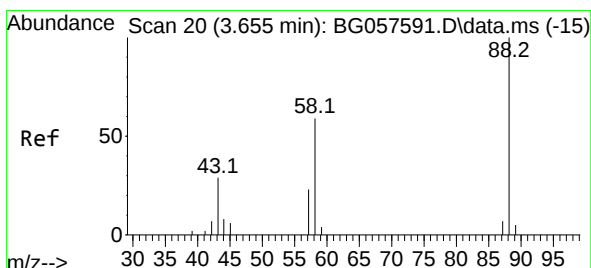
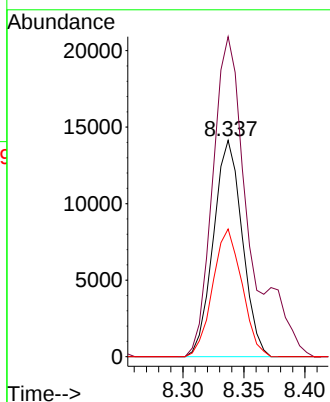
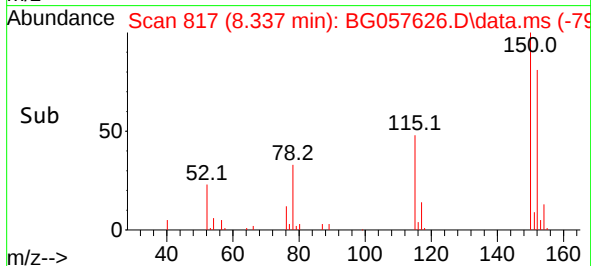
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:152 Resp: 23270
Ion Ratio Lower Upper
152 100
150 148.0 123.0 184.4
115 59.0 47.4 71.2

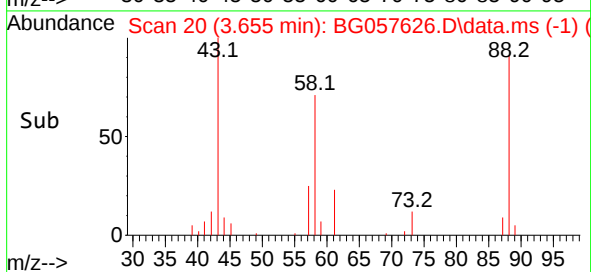
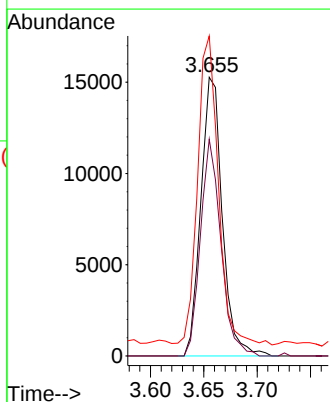
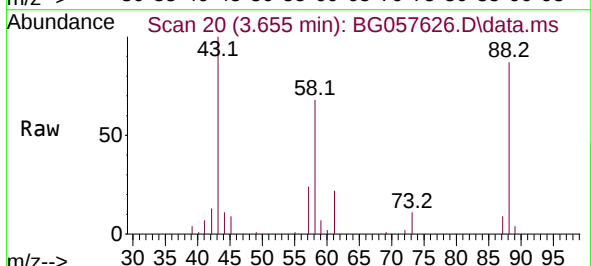
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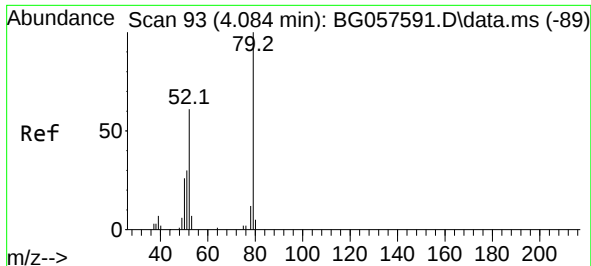
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#2
1,4-Dioxane
Concen: 38.572 ng
RT: 3.655 min Scan# 20
Delta R.T. 0.015 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

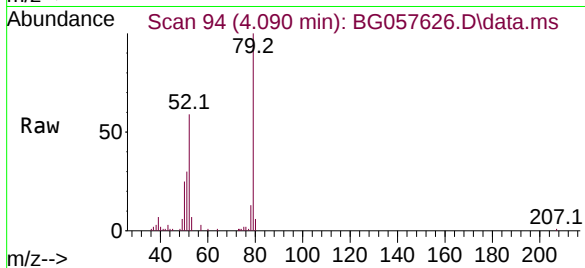
Tgt Ion: 88 Resp: 21406
Ion Ratio Lower Upper
88 100
58 74.0 52.6 79.0
43 107.0 22.1 33.1#





#3
 Pyridine
 Concen: 26.566 ng
 RT: 4.090 min Scan# 94
 Delta R.T. 0.021 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

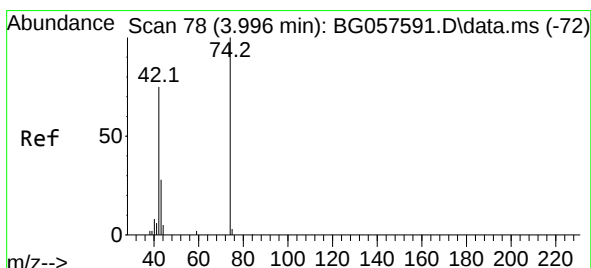
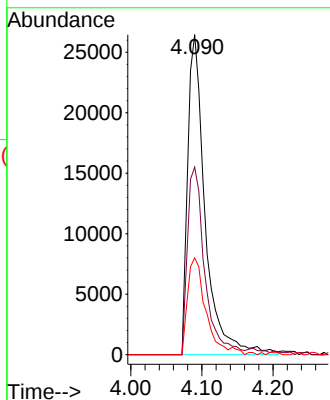
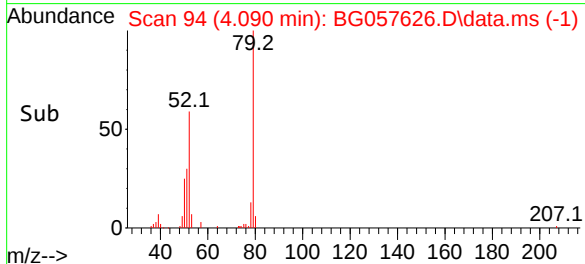
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 PNNL-RH-524-1MSD



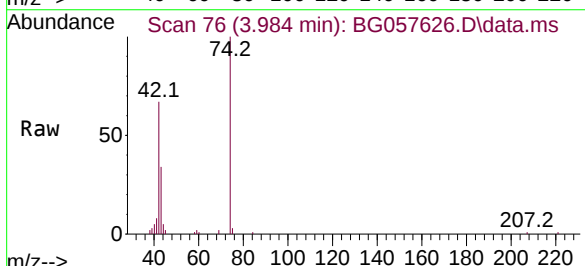
Tgt Ion: 79 Resp: 4507
 Ion Ratio Lower Upper
 79 100
 52 58.6 48.4 72.6
 51 30.3 24.4 36.6

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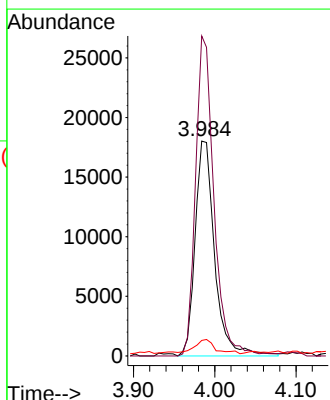
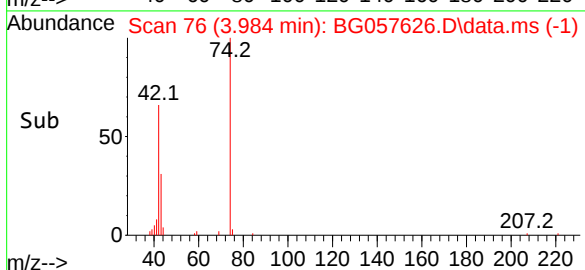
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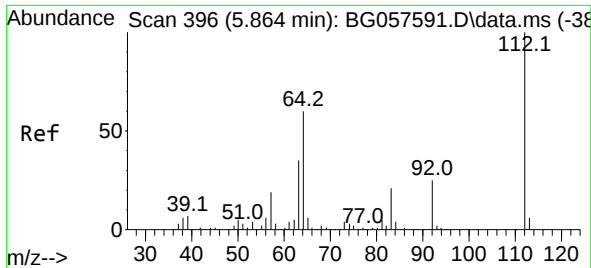


#4
 n-Nitrosodimethylamine
 Concen: 43.986 ng
 RT: 3.984 min Scan# 76
 Delta R.T. 0.003 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01



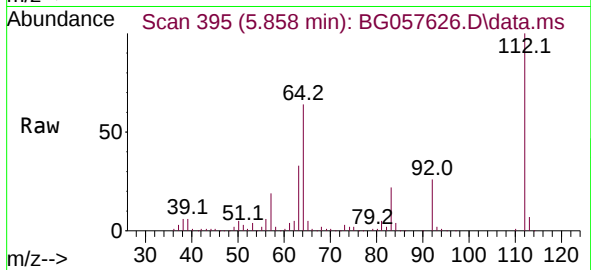
Tgt Ion: 42 Resp: 30195
 Ion Ratio Lower Upper
 42 100
 74 148.9 107.3 160.9
 44 7.2 6.1 9.1





#5
2-Fluorophenol
Concen: 137.509 ng
RT: 5.858 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

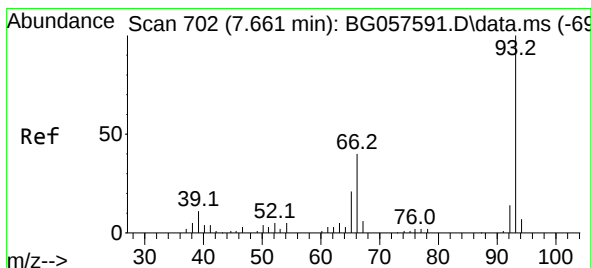
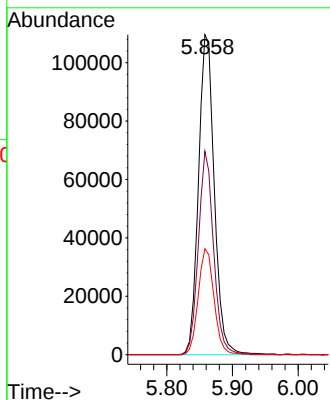
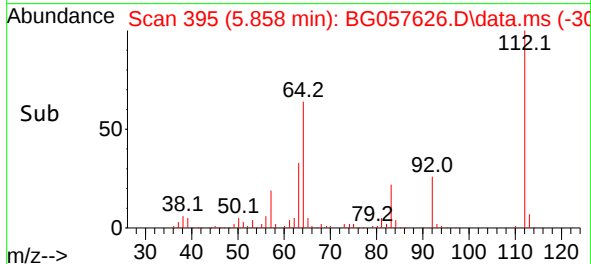
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Tgt Ion:112 Resp: 18418
Ion Ratio Lower Upper
112 100
64 63.6 47.8 71.6
63 33.1 27.8 41.8

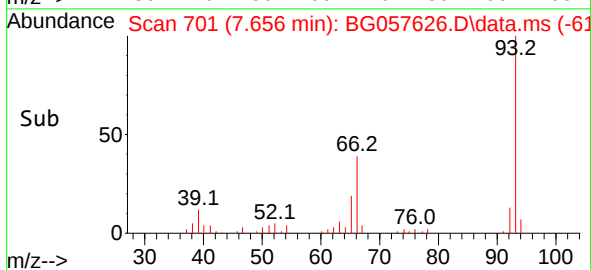
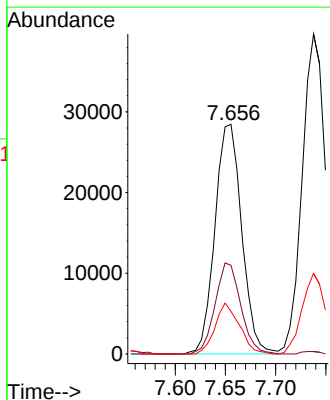
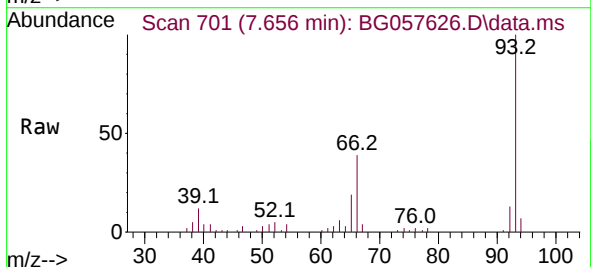
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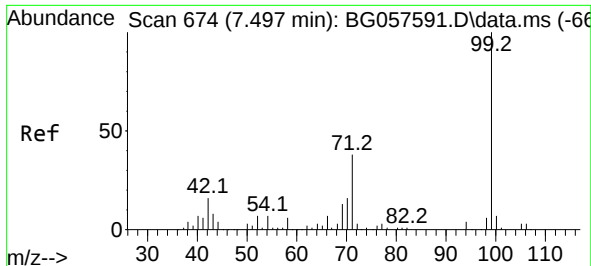
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#6
Aniline
Concen: 20.844 ng
RT: 7.656 min Scan# 701
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion: 93 Resp: 52859
Ion Ratio Lower Upper
93 100
66 38.6 32.2 48.4
65 18.5 16.7 25.1





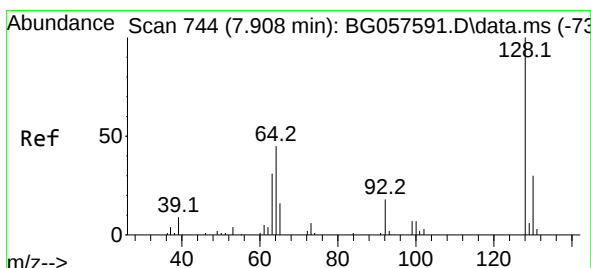
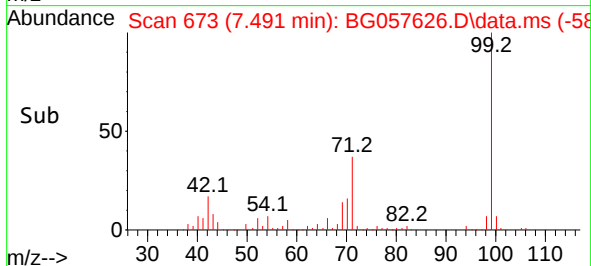
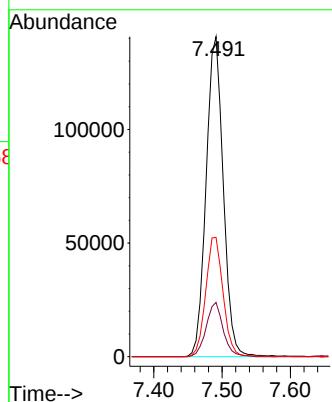
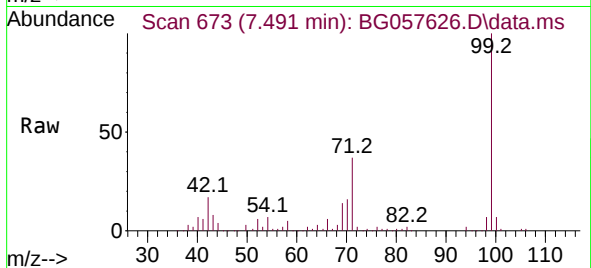
#7
Phenol-d6
Concen: 117.607 ng
RT: 7.491 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
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Tgt Ion: 99 Resp: 246520
Ion Ratio Lower Upper
99 100
42 17.0 12.8 19.2
71 37.3 30.3 45.5

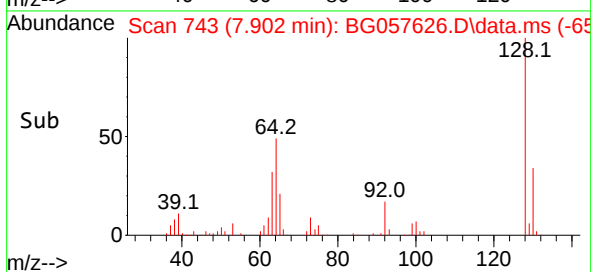
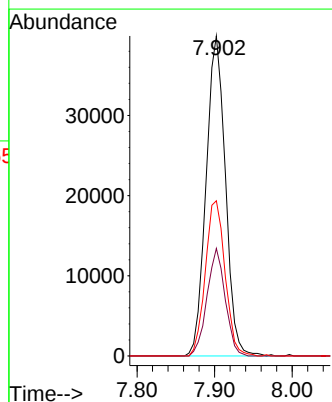
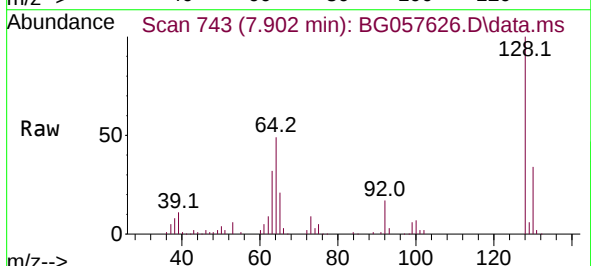
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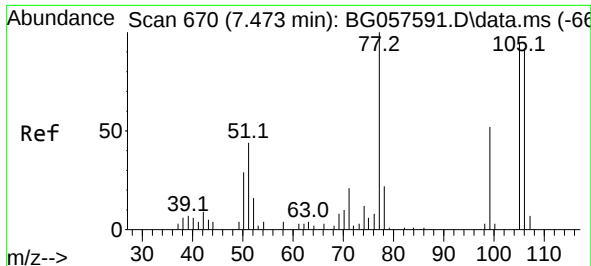
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#8
2-Chlorophenol
Concen: 47.986 ng
RT: 7.902 min Scan# 743
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:128 Resp: 69003
Ion Ratio Lower Upper
128 100
130 33.6 10.5 50.5
64 48.5 33.8 73.8





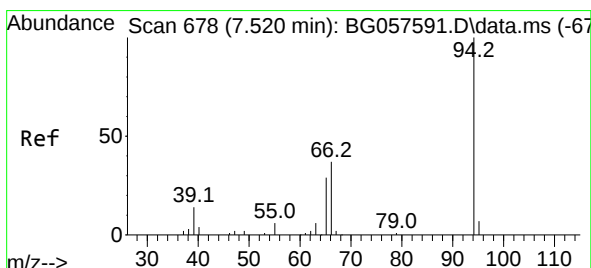
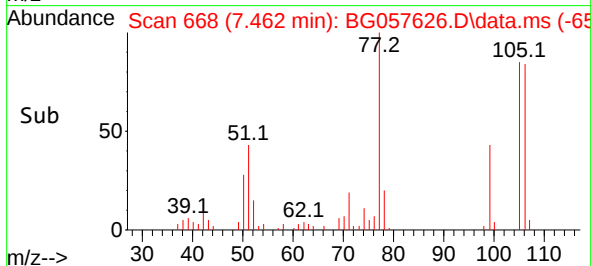
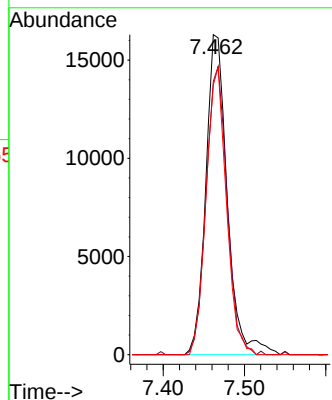
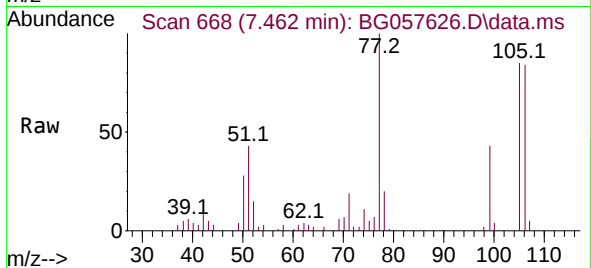
#9
Benzaldehyde
Concen: 21.508 ng
RT: 7.462 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion: 77 Resp: 29870
Ion Ratio Lower Upper
77 100
105 85.4 75.0 115.0
106 84.3 72.5 112.5

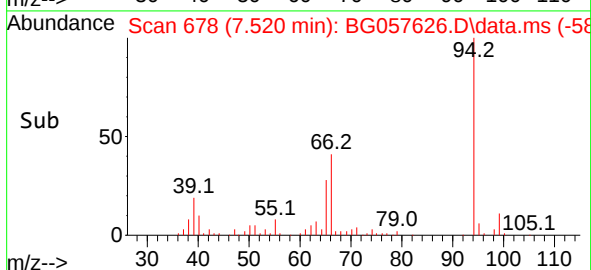
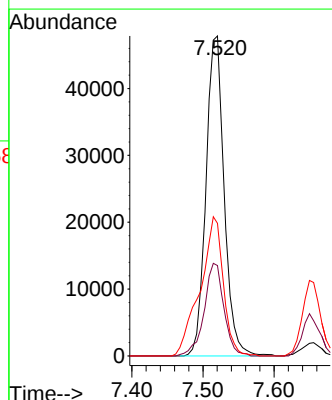
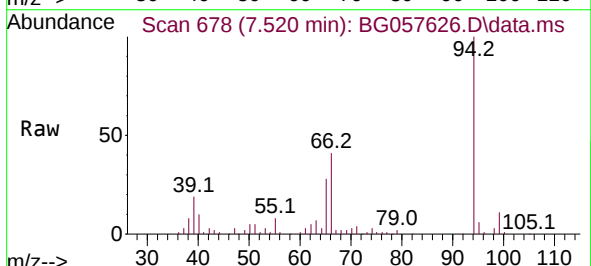
Manual Integrations
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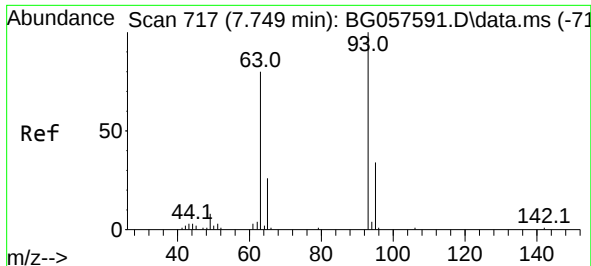
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#10
Phenol
Concen: 42.991 ng
RT: 7.520 min Scan# 678
Delta R.T. 0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion: 94 Resp: 85294
Ion Ratio Lower Upper
94 100
65 28.2 9.6 49.6
66 41.4 22.0 62.0





#11

bis(2-Chloroethyl)ether

Concen: 43.053 ng

RT: 7.738 min Scan# 715

Delta R.T. -0.003 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1MSD

Tgt Ion: 93 Resp: 63780

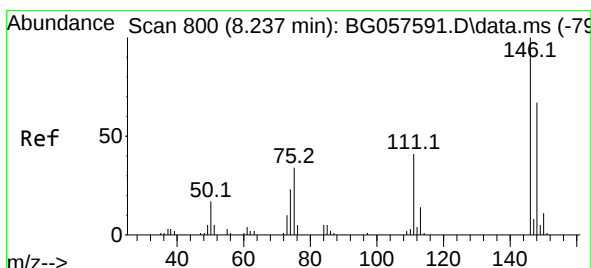
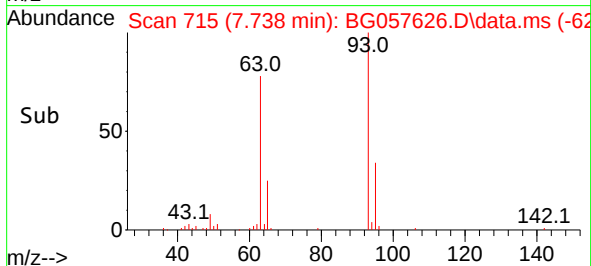
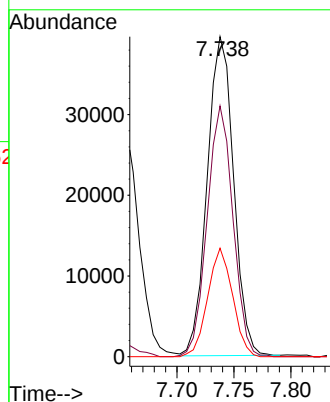
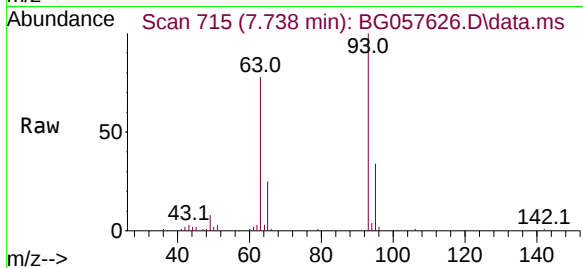
Ion	Ratio	Lower	Upper
93	100		
63	78.4	59.3	99.3
95	33.9	14.1	54.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#12

1,3-Dichlorobenzene

Concen: 45.311 ng

RT: 8.225 min Scan# 798

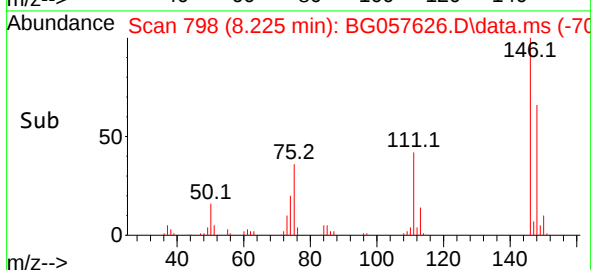
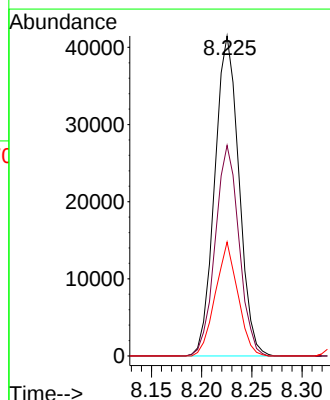
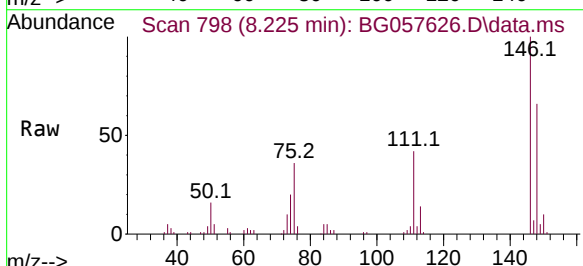
Delta R.T. -0.003 min

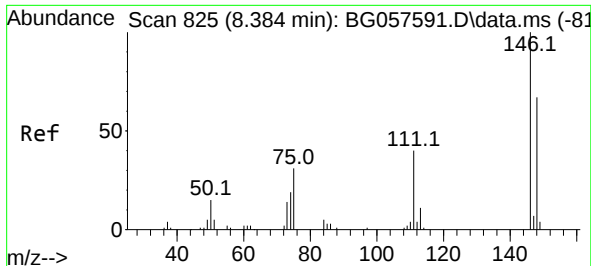
Lab File: BG057626.D

Acq: 31 May 2023 18:01

Tgt Ion:146 Resp: 69416

Ion	Ratio	Lower	Upper
146	100		
148	65.8	53.4	80.0
75	35.6	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 45.205 ng

RT: 8.372 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1MSD

Tgt Ion:146 Resp: 7045

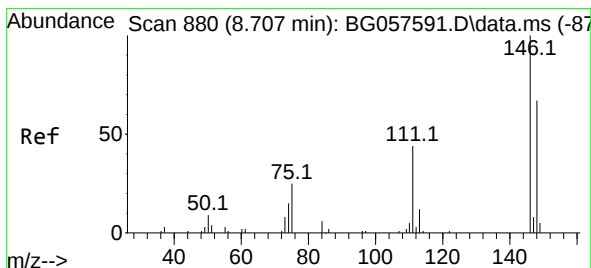
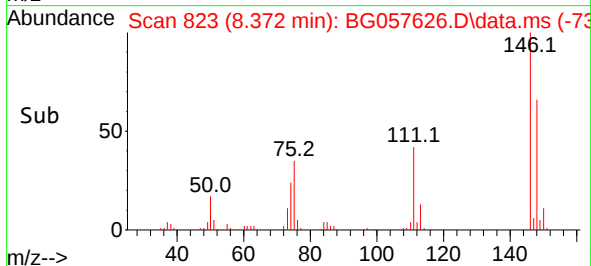
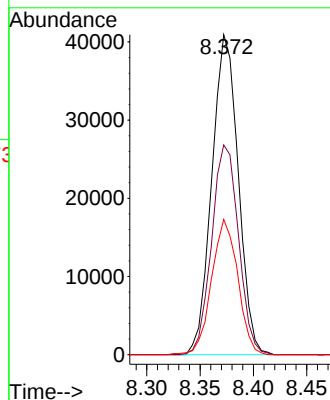
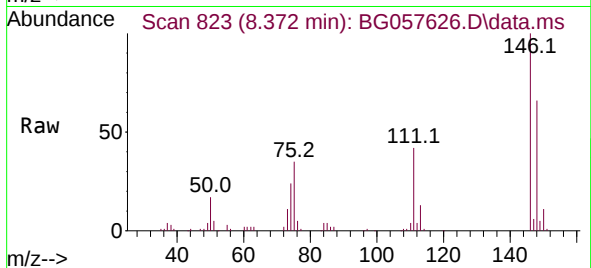
Ion	Ratio	Lower	Upper
146	100		
148	65.6	53.8	80.6
111	42.3	31.9	47.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#14

1,2-Dichlorobenzene

Concen: 45.042 ng

RT: 8.695 min Scan# 878

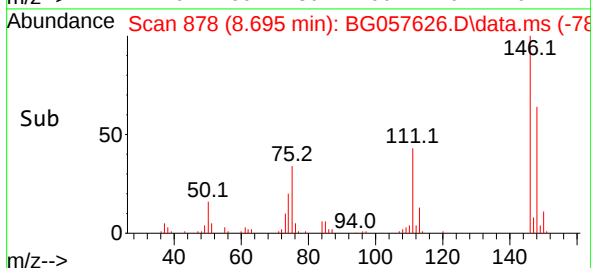
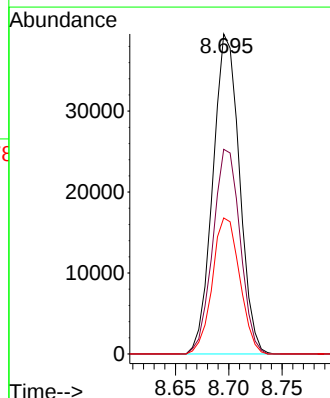
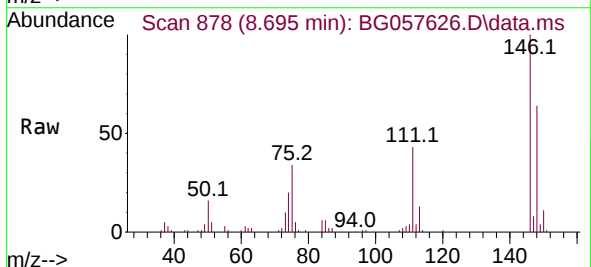
Delta R.T. -0.003 min

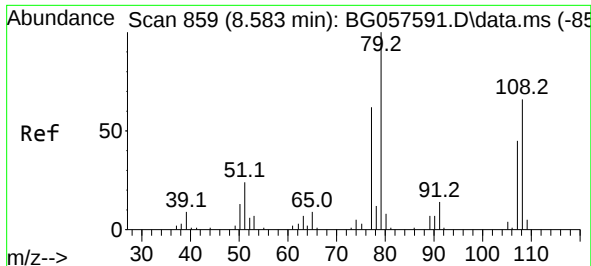
Lab File: BG057626.D

Acq: 31 May 2023 18:01

Tgt Ion:146 Resp: 68473

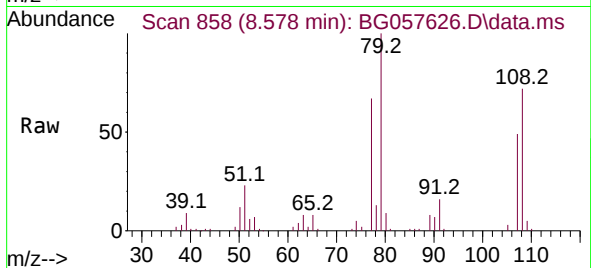
Ion	Ratio	Lower	Upper
146	100		
148	64.0	53.5	80.3
111	42.5	36.6	54.8





#15
Benzyl Alcohol
Concen: 45.930 ng
RT: 8.578 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

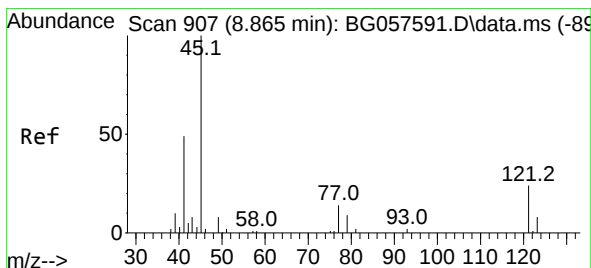
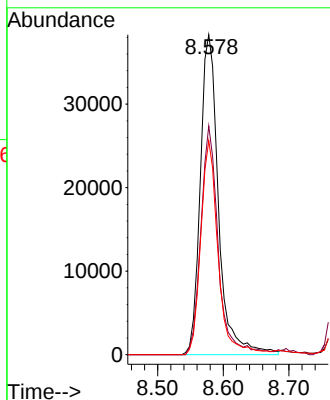
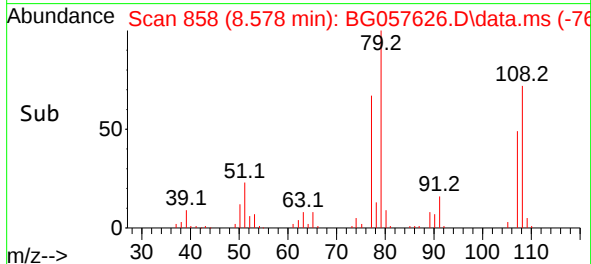
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



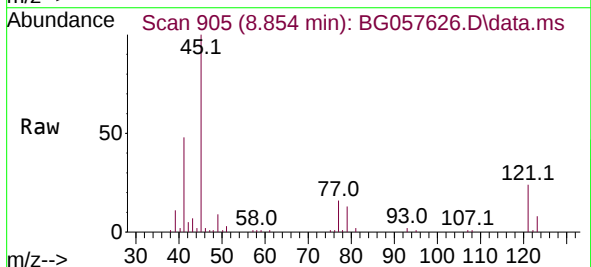
Tgt Ion: 79 Resp: 74062
Ion Ratio Lower Upper
79 100
108 71.5 52.6 78.8
77 66.9 49.7 74.5

Manual Integrations
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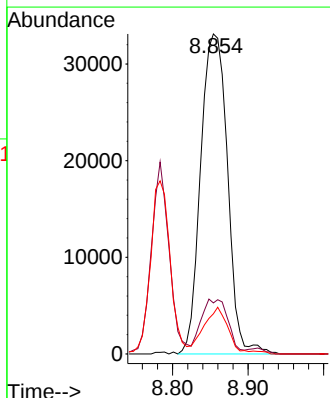
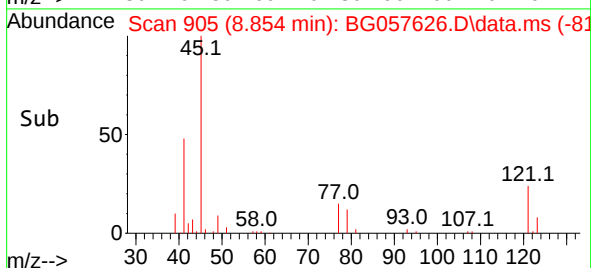
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

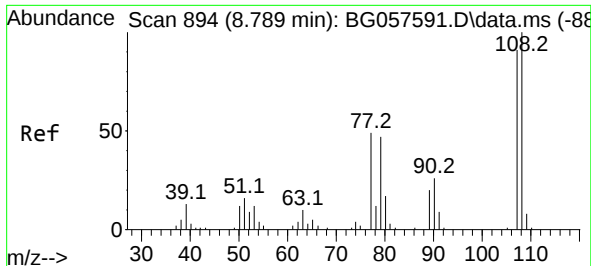


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.469 ng m
RT: 8.854 min Scan# 905
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



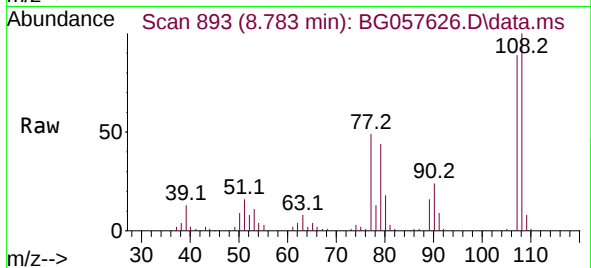
Tgt Ion: 45 Resp: 81802
Ion Ratio Lower Upper
45 100
77 15.9 0.0 39.2
79 12.5 0.0 34.2





#17
2-Methylphenol
Concen: 42.430 ng
RT: 8.783 min Scan# 894
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

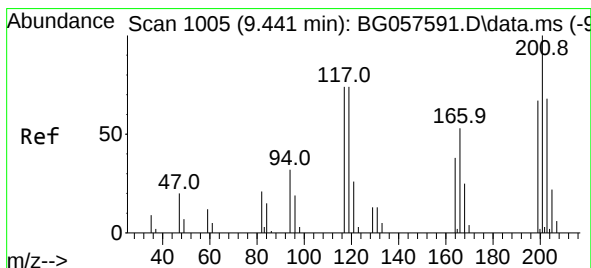
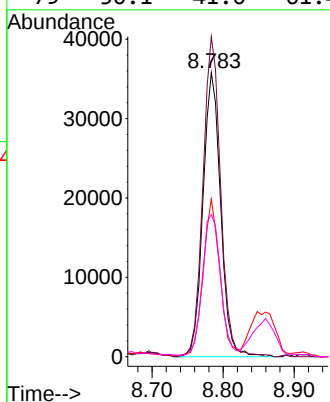
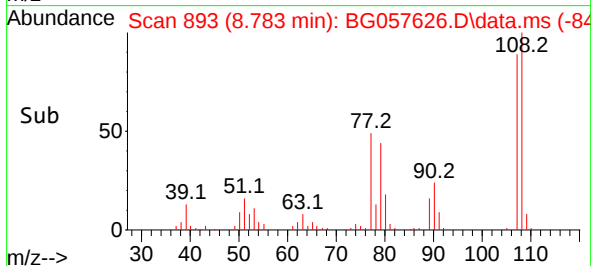
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



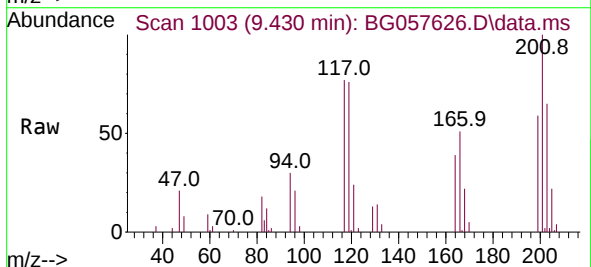
Tgt Ion:107 Resp: 61815
Ion Ratio Lower Upper
107 100
108 112.7 87.7 131.5
77 55.5 43.0 64.6
79 50.1 41.0 61.4

Manual Integrations
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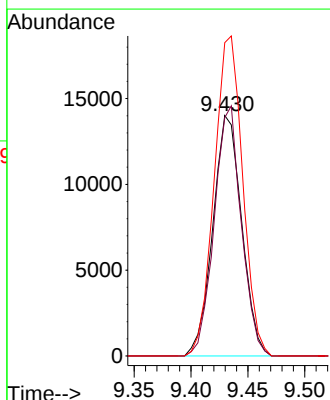
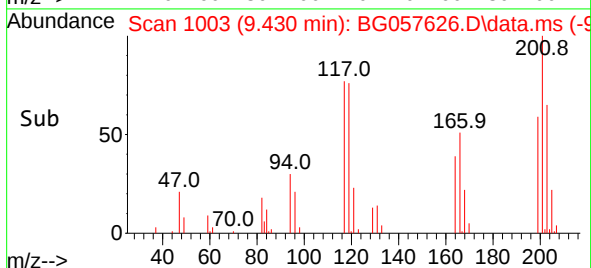
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

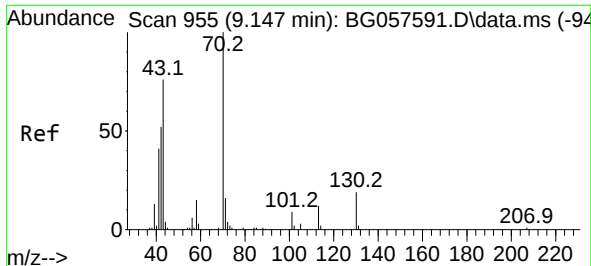


#18
Hexachloroethane
Concen: 46.311 ng
RT: 9.430 min Scan# 1003
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



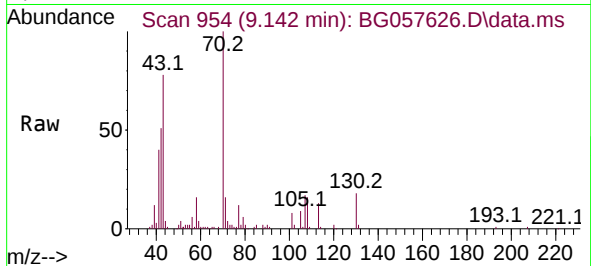
Tgt Ion:117 Resp: 24715
Ion Ratio Lower Upper
117 100
119 99.1 80.6 121.0
201 130.2 108.8 163.2





#19
n-Nitroso-di-n-propylamine
Concen: 40.853 ng
RT: 9.142 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

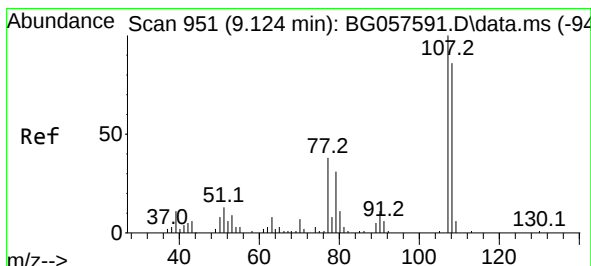
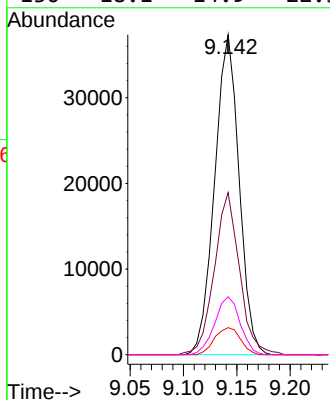
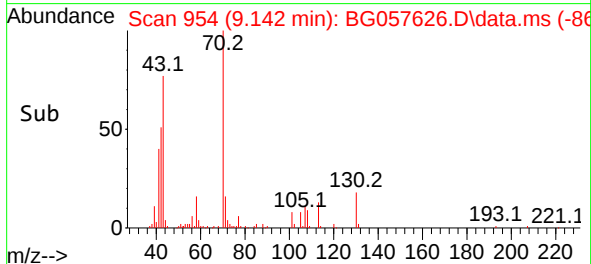
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion: 70 Resp: 59494
Ion Ratio Lower Upper
70 100
42 50.6 41.4 62.0
101 8.5 6.9 10.3
130 18.1 14.9 22.3

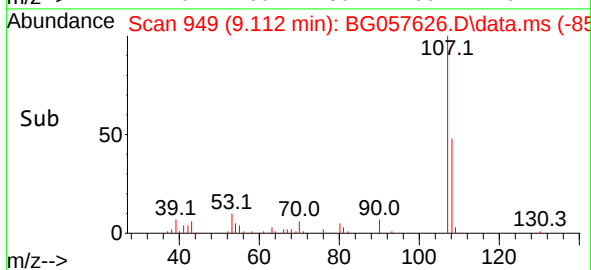
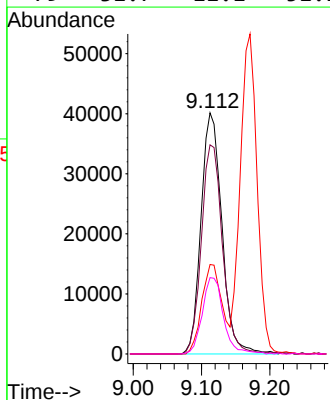
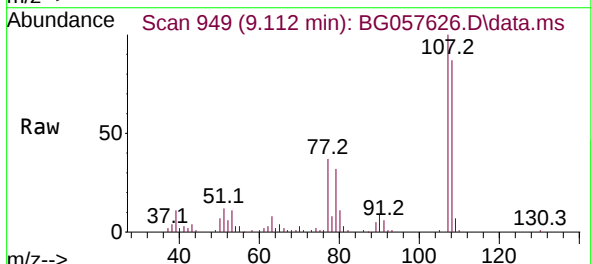
Manual Integrations
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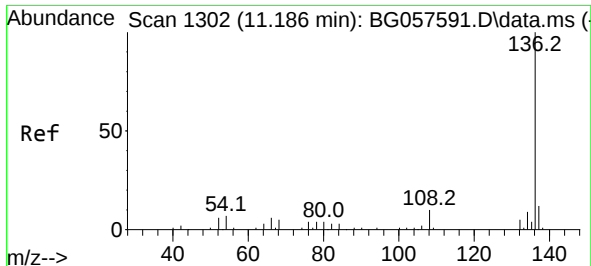
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#20
3+4-Methylphenols
Concen: 41.767 ng
RT: 9.112 min Scan# 949
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

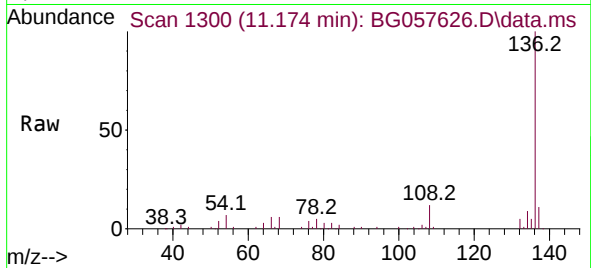
Tgt Ion:107 Resp: 85426
Ion Ratio Lower Upper
107 100
108 86.7 65.6 105.6
77 37.1 18.0 58.0
79 31.7 11.1 51.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 1117
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

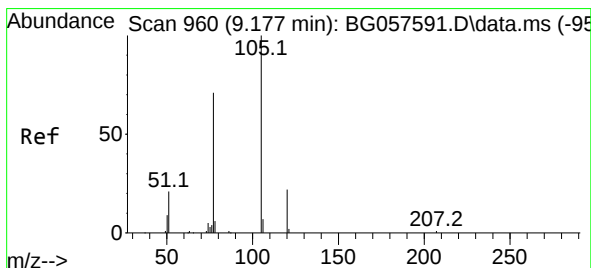
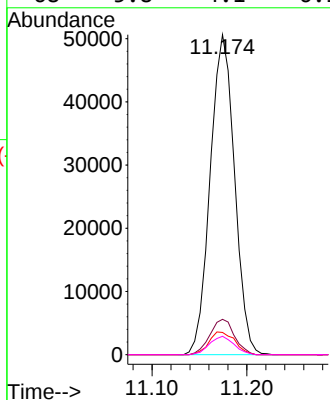
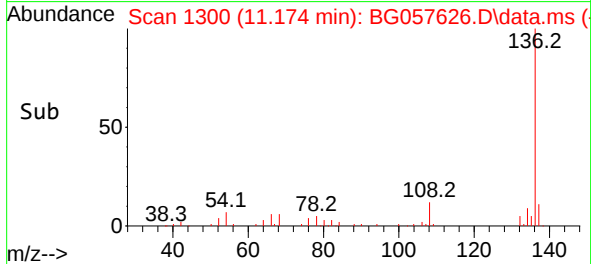
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:	136	Resp:	9032
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.8	14.8
54	7.0	5.8	8.6
68	5.8	4.1	6.1

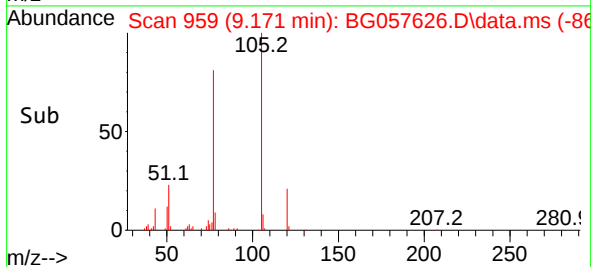
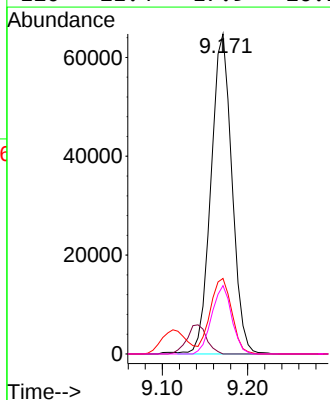
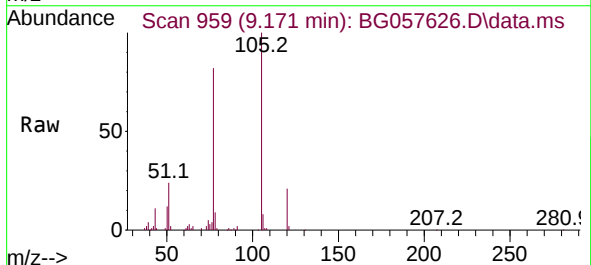
Manual Integrations
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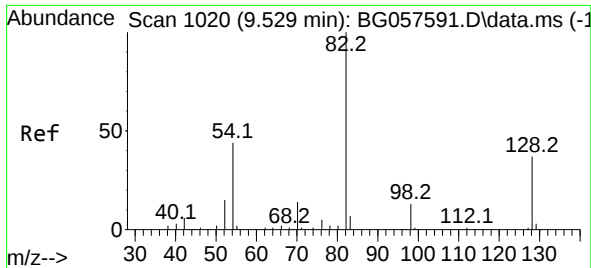
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#22
Acetophenone
Concen: 45.644 ng
RT: 9.171 min Scan# 959
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:	105	Resp:	110243
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.0	0.0
51	23.6	20.7	31.1
120	21.4	17.9	26.9





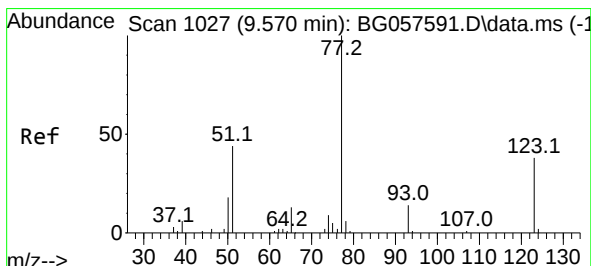
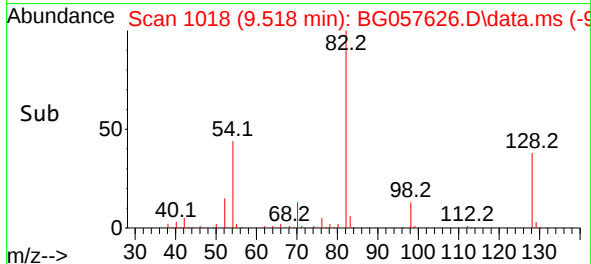
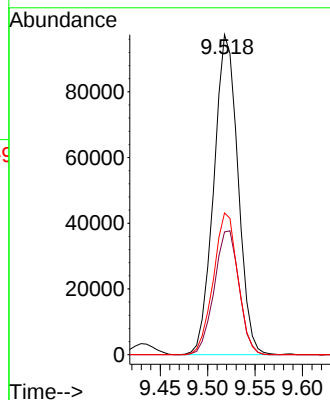
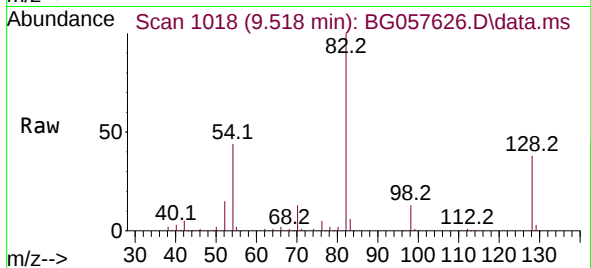
#23
Nitrobenzene-d5
Concen: 89.428 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion: 82 Resp: 17279
Ion Ratio Lower Upper
82 100
128 38.3 30.0 45.0
54 44.3 35.2 52.8

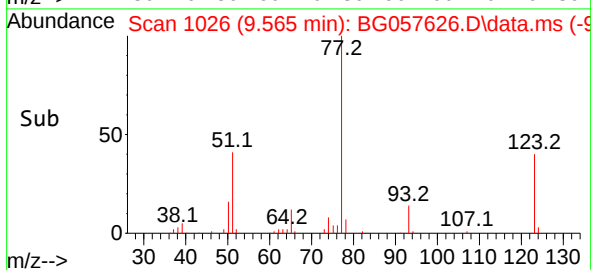
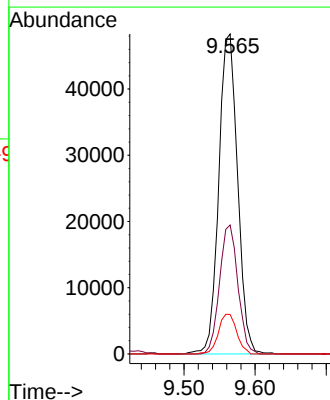
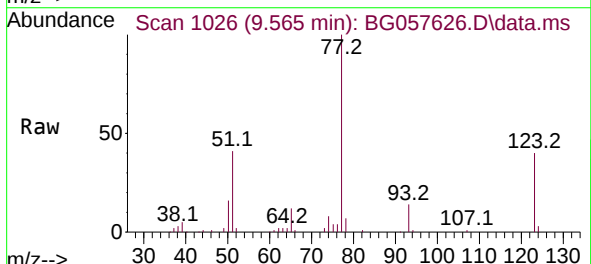
Manual Integrations
APPROVED

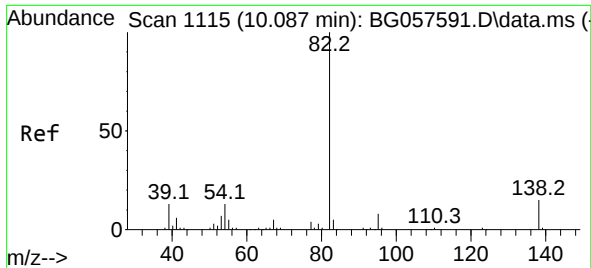
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#24
Nitrobenzene
Concen: 45.102 ng
RT: 9.565 min Scan# 1026
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion: 77 Resp: 88462
Ion Ratio Lower Upper
77 100
123 40.3 30.6 46.0
65 12.4 10.2 15.4





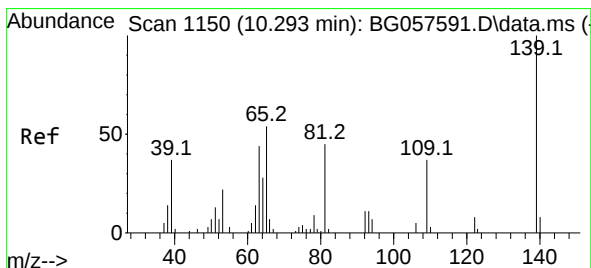
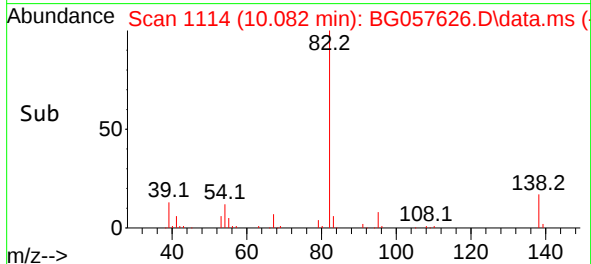
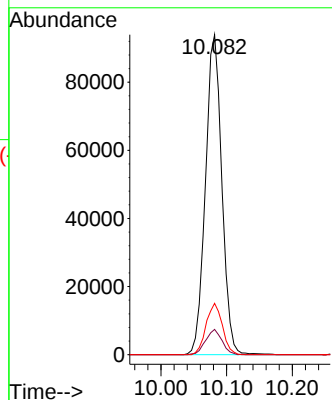
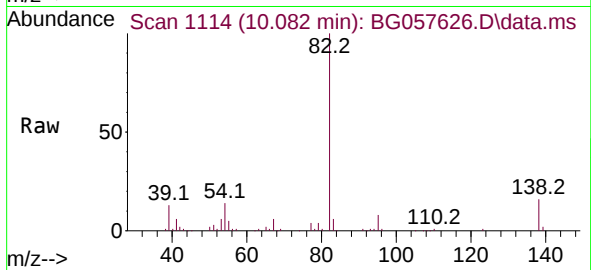
#25
Isophorone
Concen: 43.001 ng
RT: 10.082 min Scan# 1115
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion: 82 Resp: 163315
Ion Ratio Lower Upper
82 100
95 7.9 6.3 9.5
138 16.1 12.0 18.0

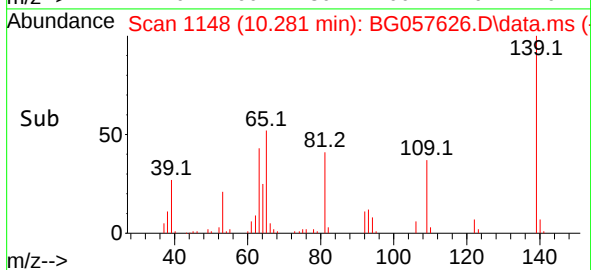
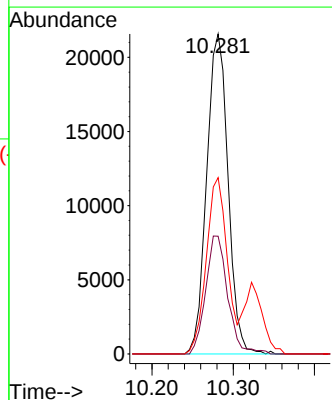
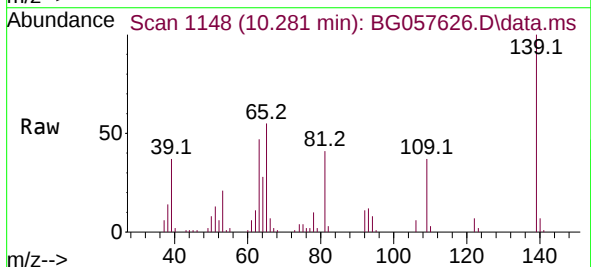
Manual Integrations
APPROVED

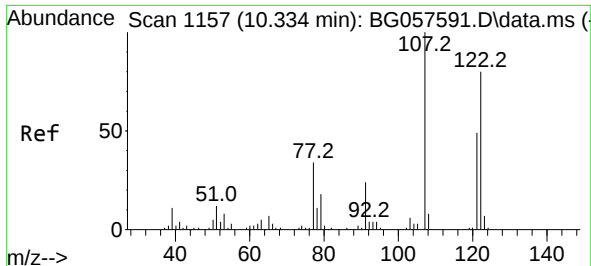
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#26
2-Nitrophenol
Concen: 46.772 ng
RT: 10.281 min Scan# 1148
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:139 Resp: 39334
Ion Ratio Lower Upper
139 100
109 36.8 29.5 44.3
65 55.1 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 49.034 ng m

RT: 10.322 min Scan# 1155

Delta R.T. -0.003 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1MSD

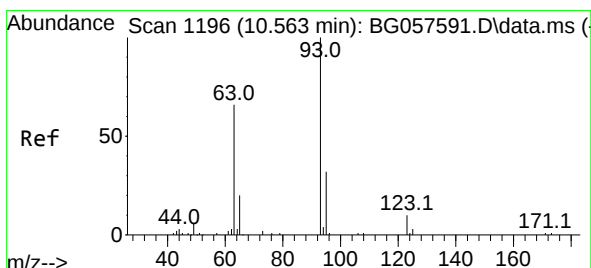
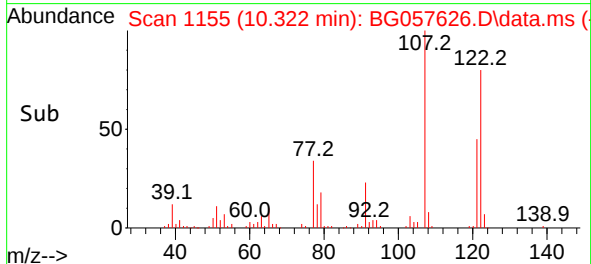
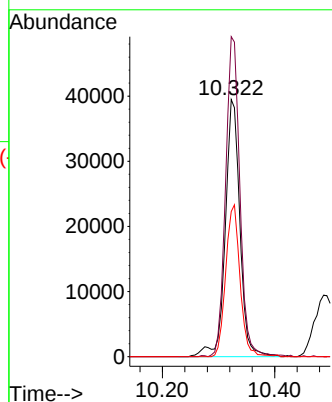
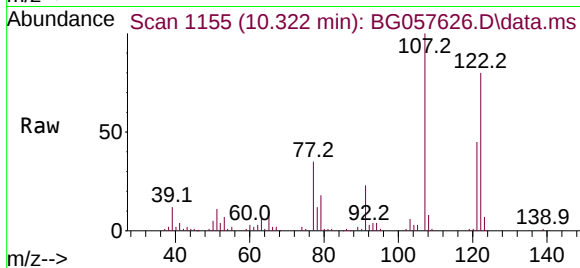
Tgt Ion:	122	Resp:	71294
Ion Ratio	Lower	Upper	
122	100		
107	124.5	99.4	149.2
121	56.4	48.4	72.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#28

bis(2-Chloroethoxy)methane

Concen: 45.691 ng

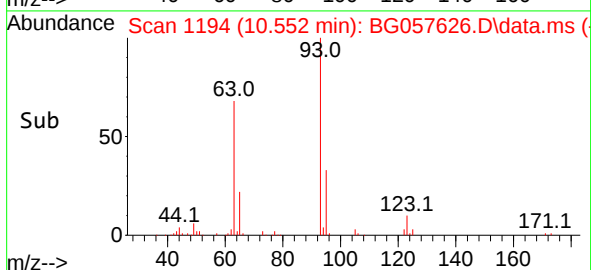
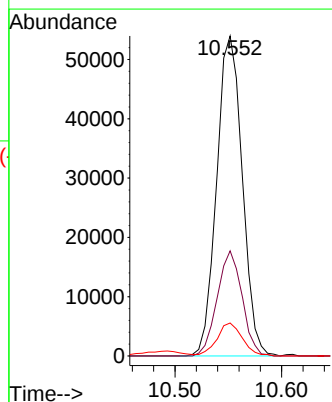
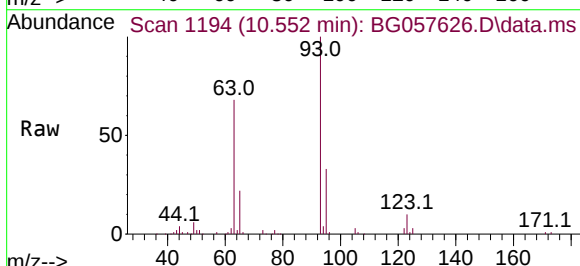
RT: 10.552 min Scan# 1194

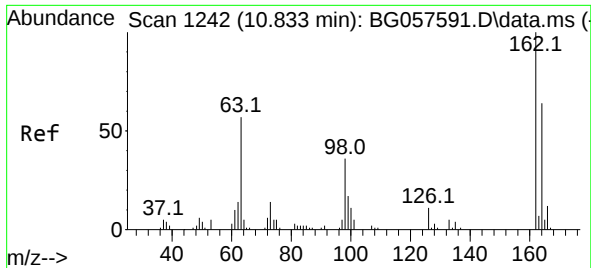
Delta R.T. -0.003 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

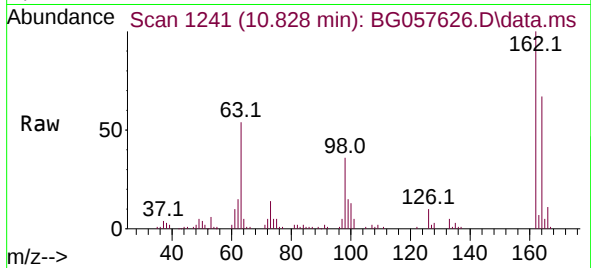
Tgt Ion:	93	Resp:	89981
Ion Ratio	Lower	Upper	
93	100		
95	32.8	25.3	37.9
123	10.3	8.2	12.4





#29
2,4-Dichlorophenol
Concen: 49.055 ng
RT: 10.828 min Scan# 1241
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

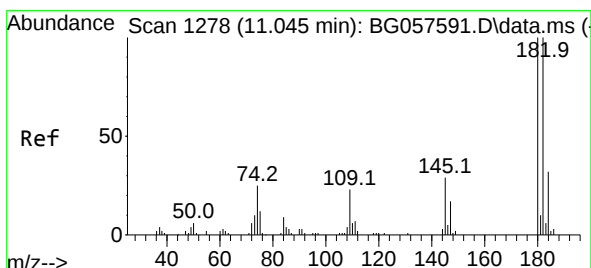
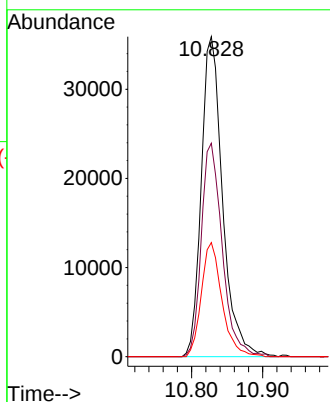
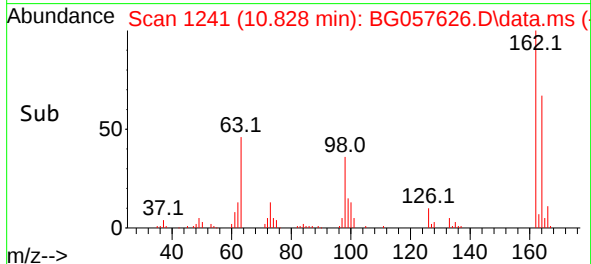
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



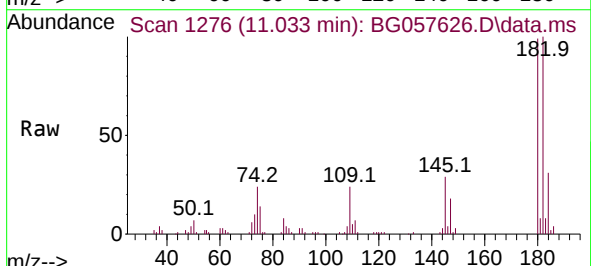
Tgt Ion:162 Resp: 7491
Ion Ratio Lower Upper
162 100
164 66.7 44.1 84.1
98 35.7 16.3 56.3

Manual Integrations
APPROVED

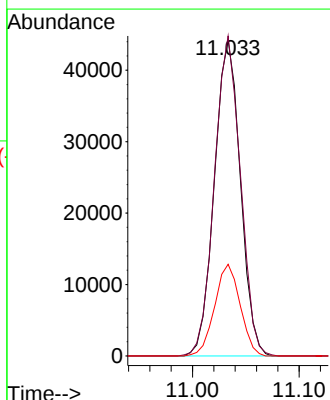
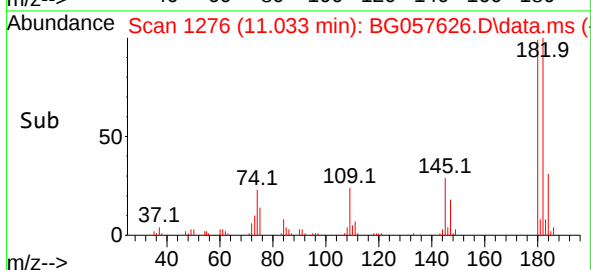
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

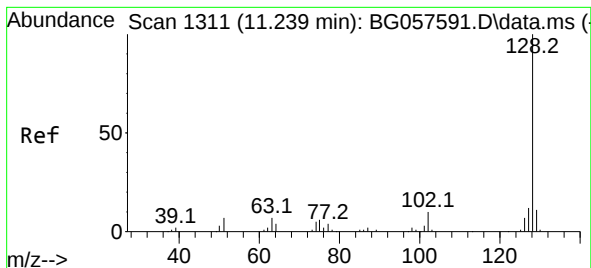


#30
1,2,4-Trichlorobenzene
Concen: 44.903 ng
RT: 11.033 min Scan# 1276
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



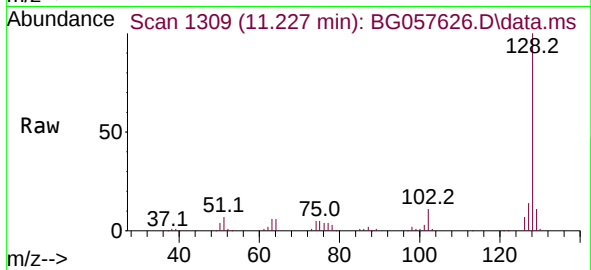
Tgt Ion:180 Resp: 74732
Ion Ratio Lower Upper
180 100
182 101.4 80.2 120.2
145 29.0 23.1 34.7





#31
Naphthalene
Concen: 43.836 ng
RT: 11.227 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

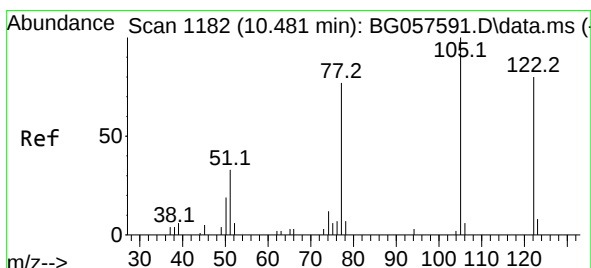
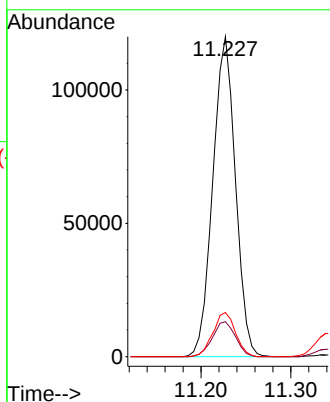
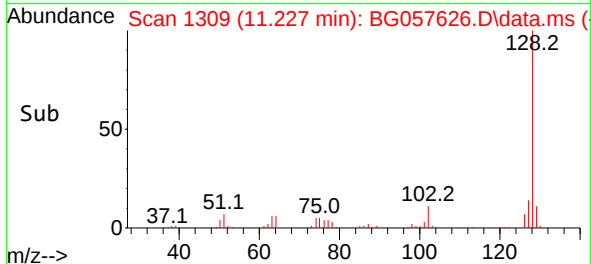
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



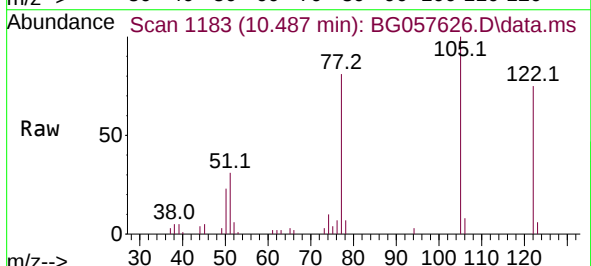
Tgt Ion:128 Resp: 20945
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.8 9.8 14.8

Manual Integrations
APPROVED

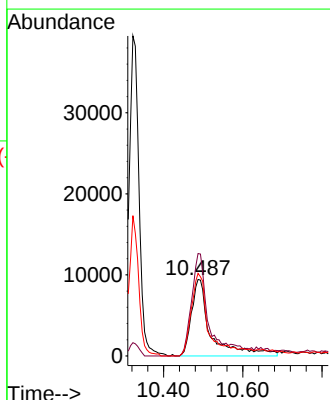
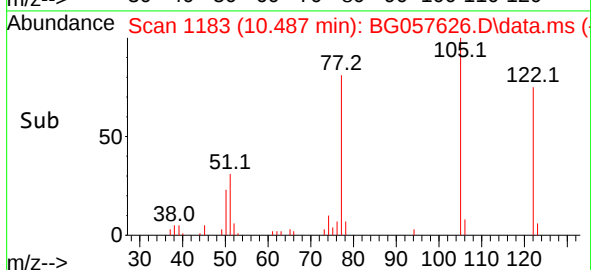
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

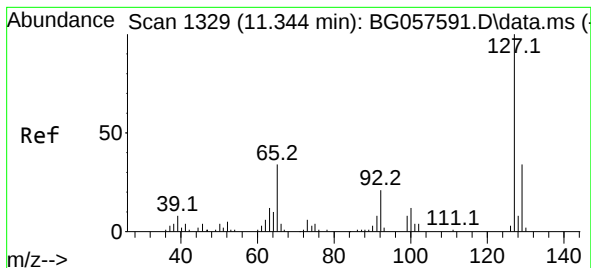


#32
Benzoic acid
Concen: 39.383 ng m
RT: 10.487 min Scan# 1183
Delta R.T. 0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



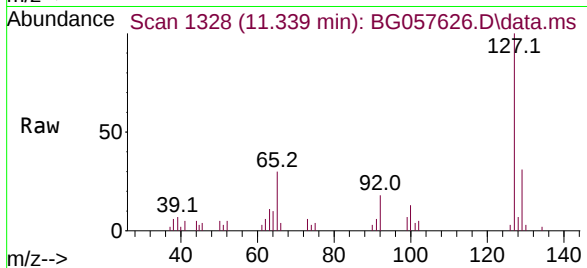
Tgt Ion:122 Resp: 32212
Ion Ratio Lower Upper
122 100
105 133.9 104.8 144.8
77 108.0 75.8 115.8





#33
4-Chloroaniline
Concen: 8.488 ng
RT: 11.339 min Scan# 11339
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

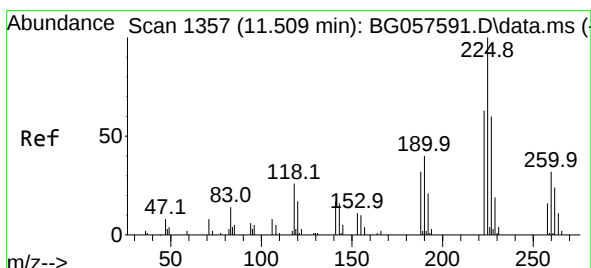
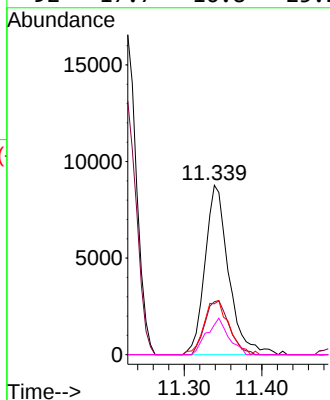
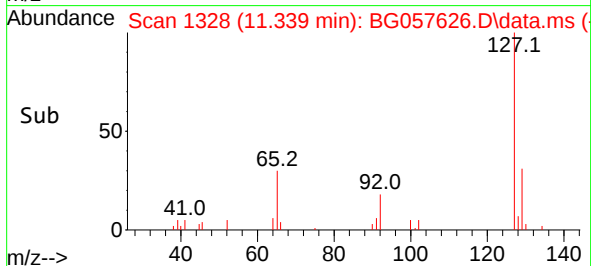
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



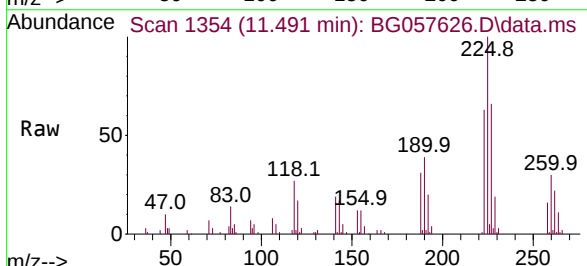
Tgt Ion:127 Resp: 1865
Ion Ratio Lower Upper
127 100
129 31.3 26.9 40.3
65 30.1 27.3 40.9
92 17.7 16.8 25.2

Manual Integrations
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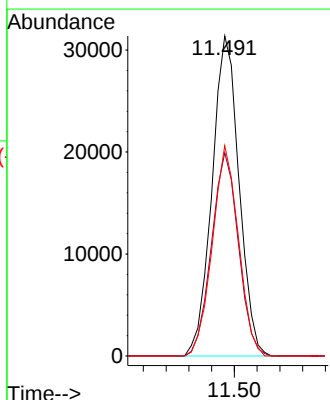
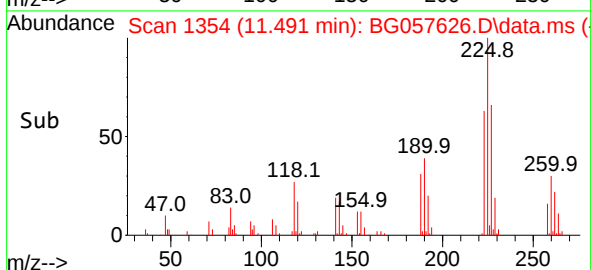
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

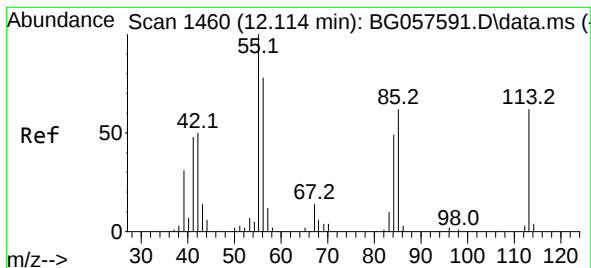


#34
Hexachlorobutadiene
Concen: 44.870 ng
RT: 11.491 min Scan# 1354
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



Tgt Ion:225 Resp: 51652
Ion Ratio Lower Upper
225 100
223 63.5 50.1 75.1
227 65.7 47.9 71.9





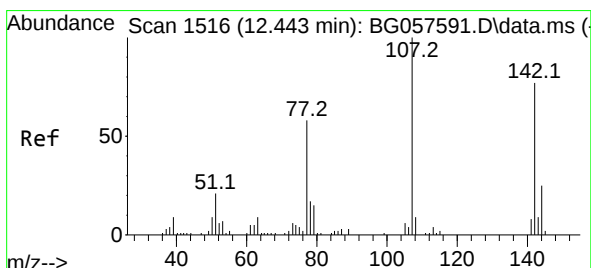
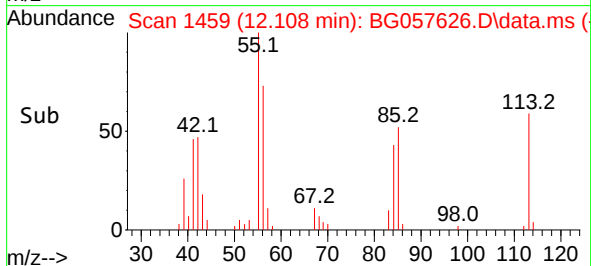
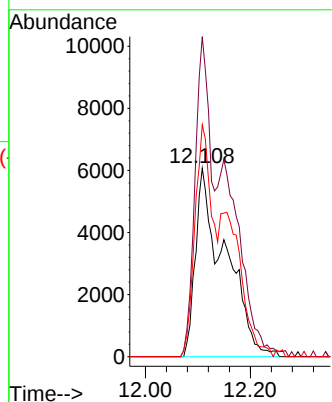
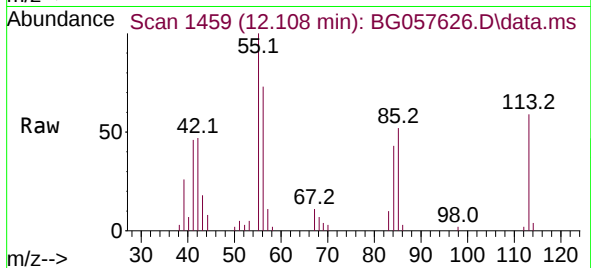
#35
Caprolactam
Concen: 37.581 ng m
RT: 12.108 min Scan# 1460
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion:113 Resp: 2379
Ion Ratio Lower Upper
113 100
55 169.8 140.9 180.9
56 123.1 105.9 145.9

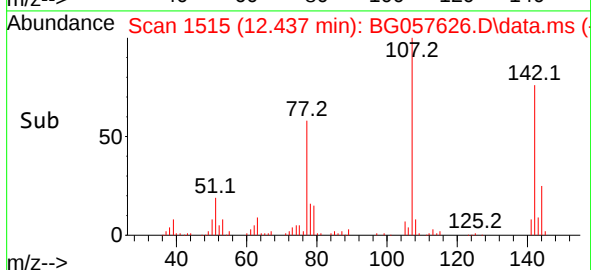
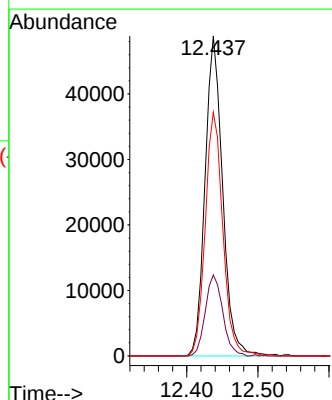
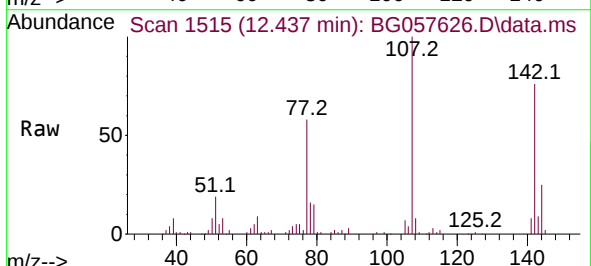
Manual Integrations
APPROVED

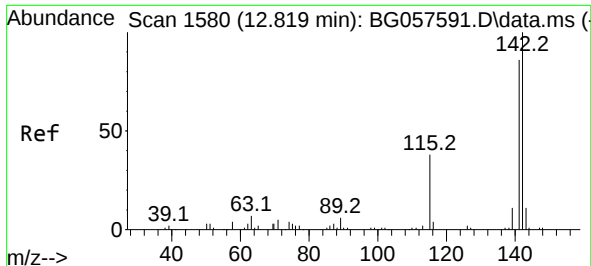
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#36
4-Chloro-3-methylphenol
Concen: 46.489 ng
RT: 12.437 min Scan# 1515
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:107 Resp: 84031
Ion Ratio Lower Upper
107 100
144 25.3 19.7 29.5
142 76.1 61.6 92.4





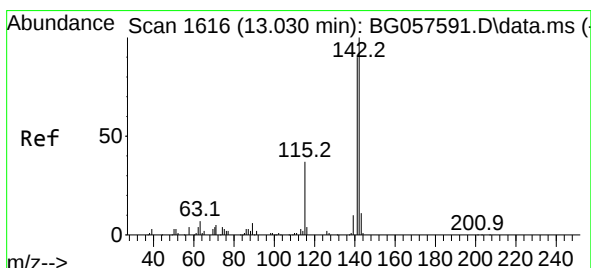
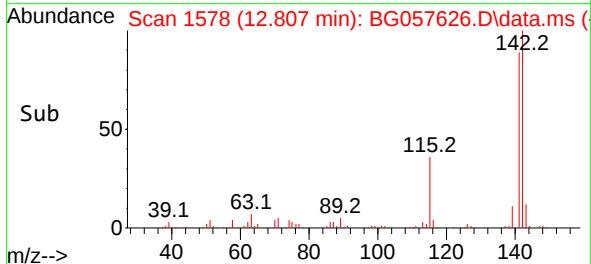
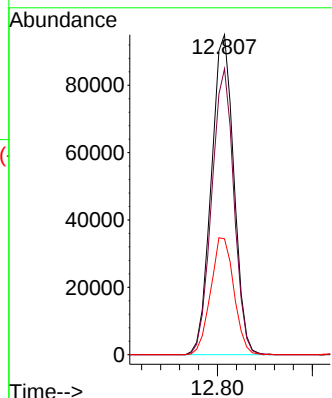
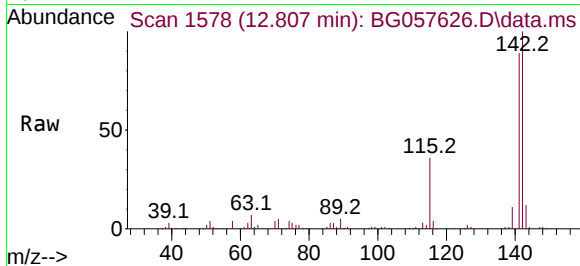
#37
2-Methylnaphthalene
Concen: 41.805 ng
RT: 12.807 min Scan# 1578
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion:142 Resp: 15677
Ion Ratio Lower Upper
142 100
141 89.3 68.6 103.0
115 36.2 30.4 45.6

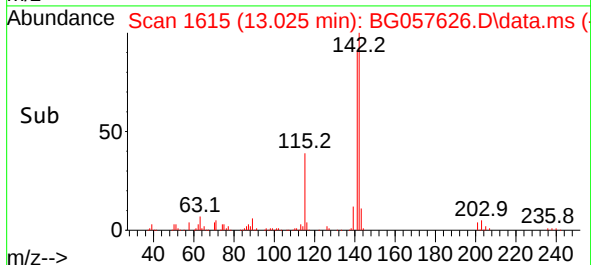
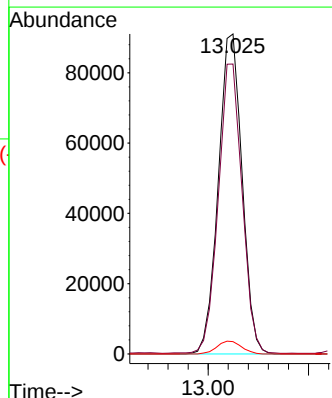
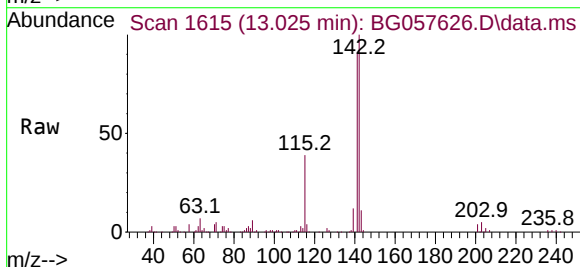
Manual Integrations
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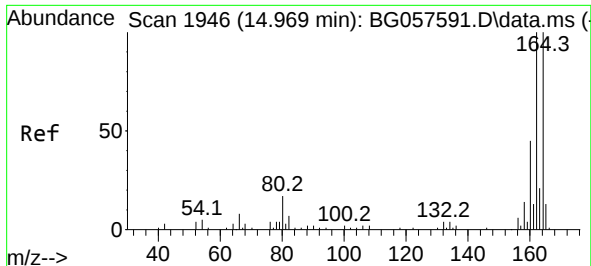
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#38
1-Methylnaphthalene
Concen: 41.725 ng
RT: 13.025 min Scan# 1615
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

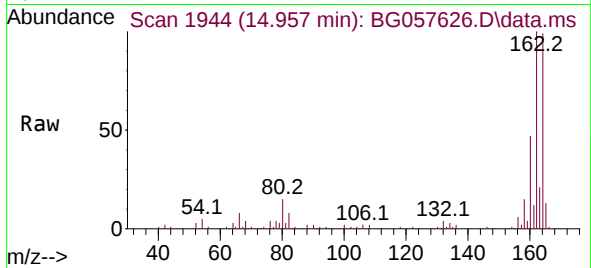
Tgt Ion:142 Resp: 149322
Ion Ratio Lower Upper
142 100
141 90.6 72.1 108.1
116 3.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.957 min Scan# 1639
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

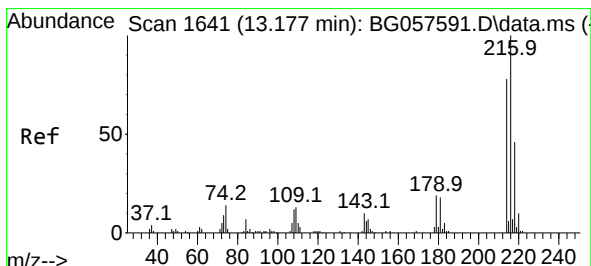
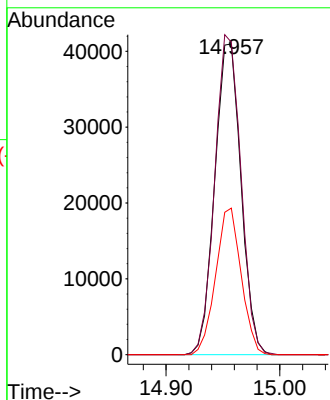
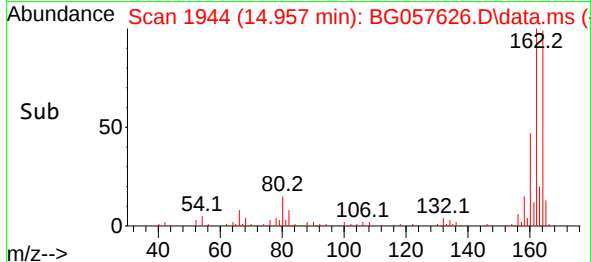
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:164 Resp: 65800
Ion Ratio Lower Upper
164 100
162 100.6 80.1 120.1
160 47.2 35.9 53.9

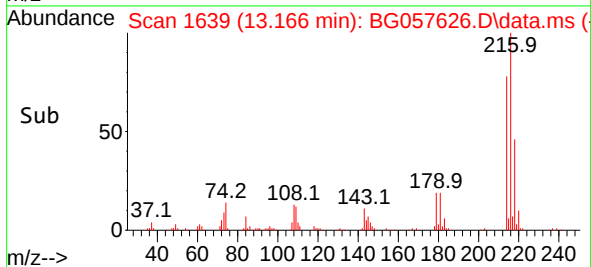
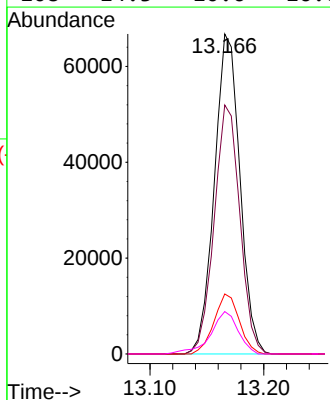
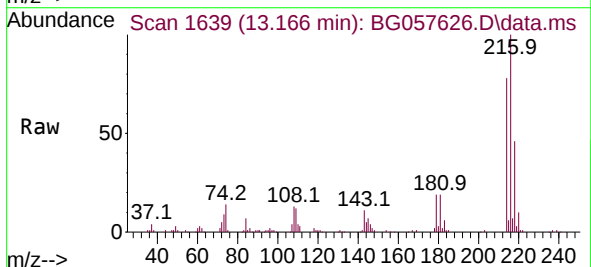
Manual Integrations
APPROVED

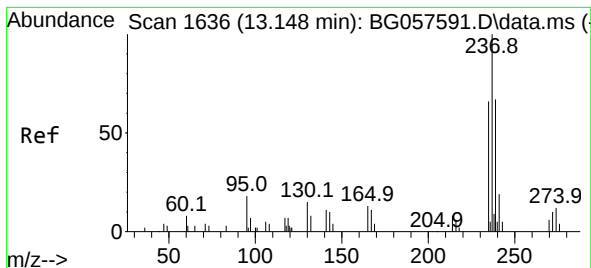
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.188 ng
RT: 13.166 min Scan# 1639
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:216 Resp: 104083
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.6
179 18.6 15.0 22.6
108 14.3 10.6 16.0





#41

Hexachlorocyclopentadiene

Concen: 93.301 ng

RT: 13.136 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1MSD

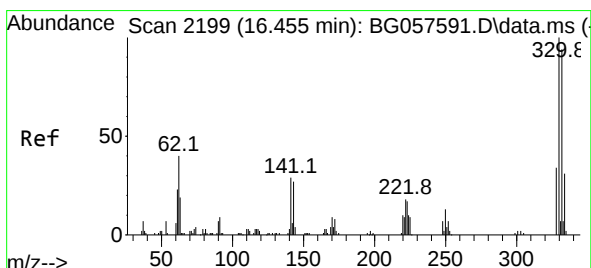
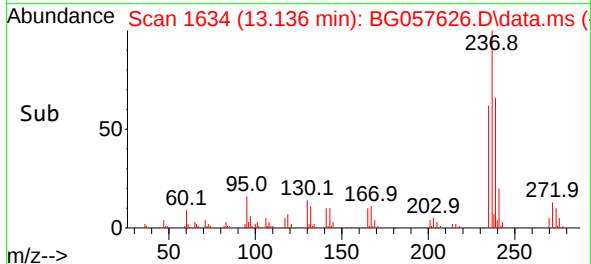
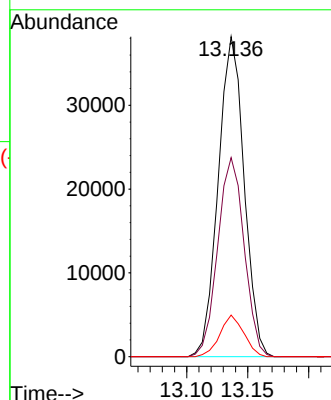
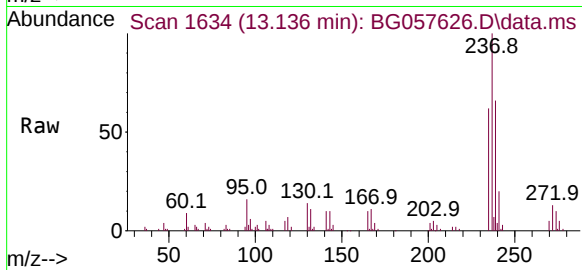
Tgt Ion:	237	Resp:	5649
Ion Ratio	Lower	Upper	
237	100		
235	62.2	45.7	85.7
272	13.0	0.0	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#42

2,4,6-Tribromophenol

Concen: 131.258 ng

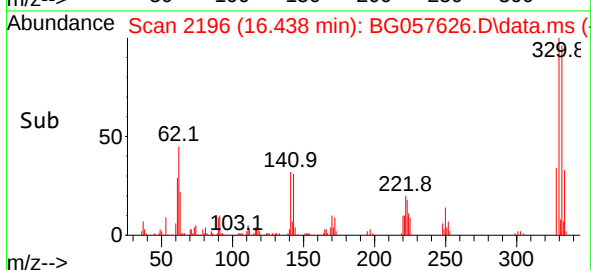
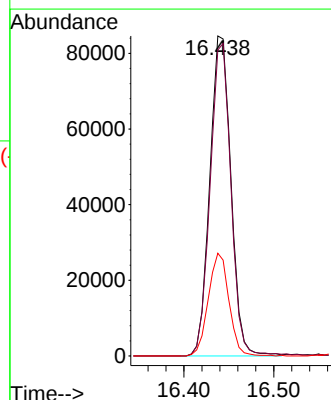
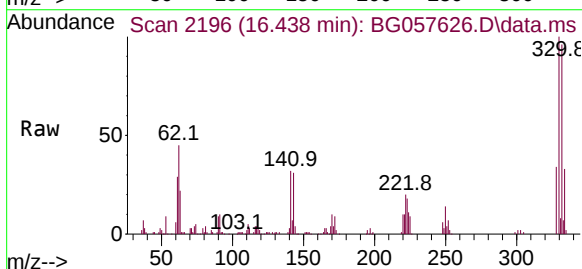
RT: 16.438 min Scan# 2196

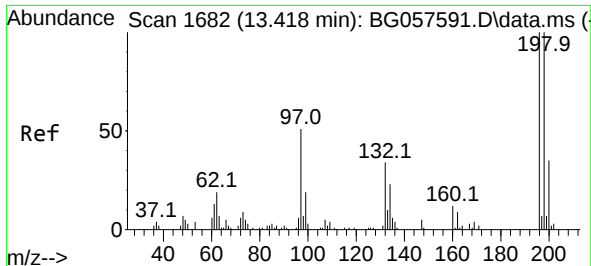
Delta R.T. -0.009 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

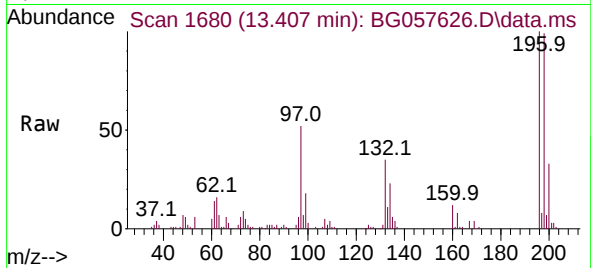
Tgt Ion:	330	Resp:	138290
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.3	115.9
141	31.3	24.6	37.0





#43
2,4,6-Trichlorophenol
Concen: 50.674 ng
RT: 13.407 min Scan# 1680
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

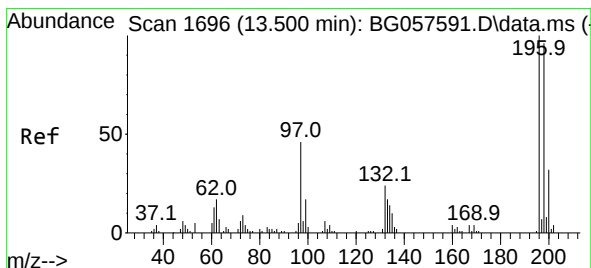
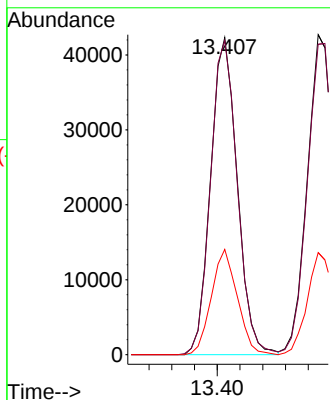
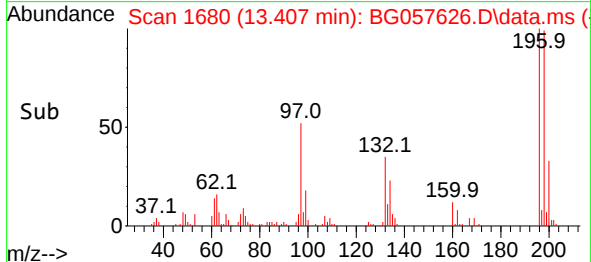
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



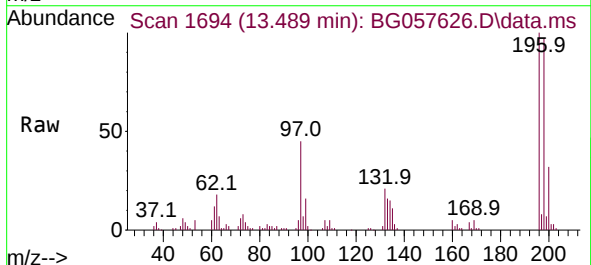
Tgt Ion:196 Resp: 6890
Ion Ratio Lower Upper
196 100
198 99.0 79.6 119.4
200 33.2 28.2 42.2

Manual Integrations
APPROVED

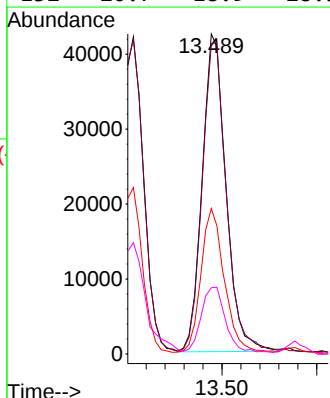
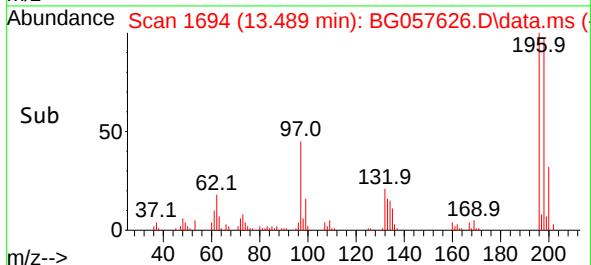
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

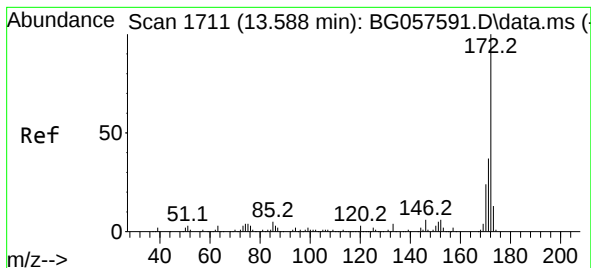


#44
2,4,5-Trichlorophenol
Concen: 45.698 ng
RT: 13.489 min Scan# 1694
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



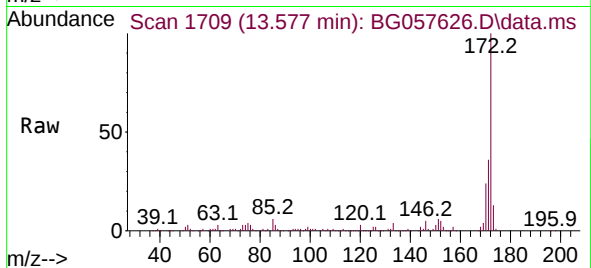
Tgt Ion:196 Resp: 74011
Ion Ratio Lower Upper
196 100
198 97.0 76.9 115.3
97 45.4 36.6 55.0
132 20.7 18.9 28.3





#45
2-Fluorobiphenyl
Concen: 89.470 ng
RT: 13.577 min Scan# 1709
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

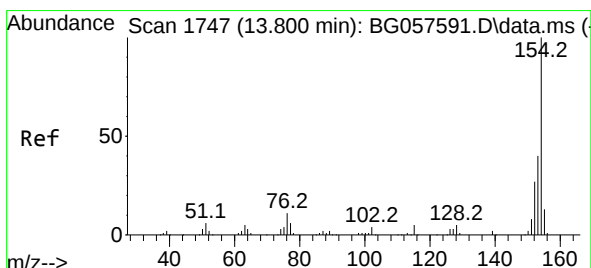
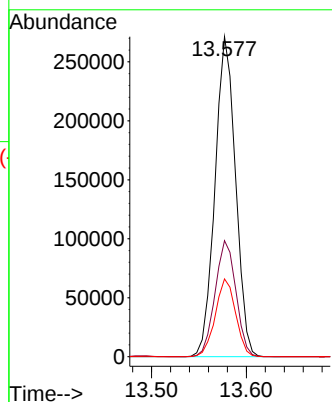
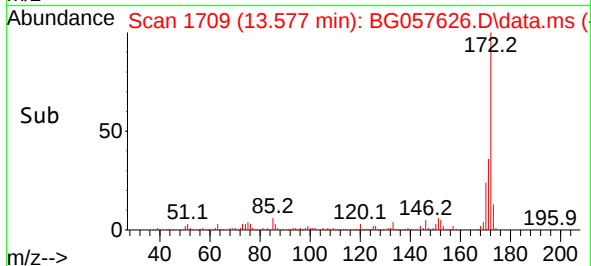
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



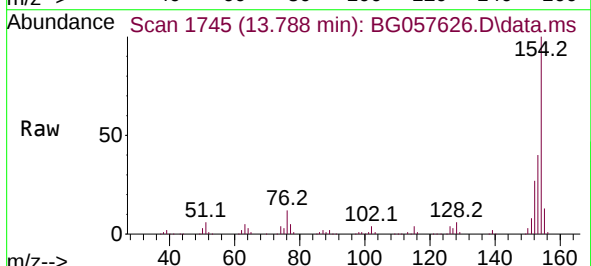
Tgt Ion:172 Resp: 409684
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 24.3 19.0 28.4

Manual Integrations
APPROVED

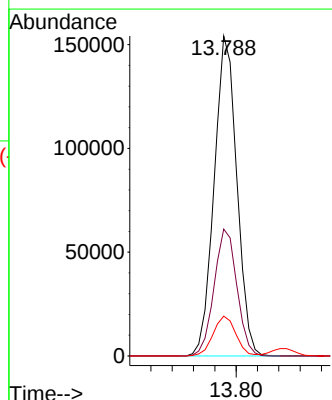
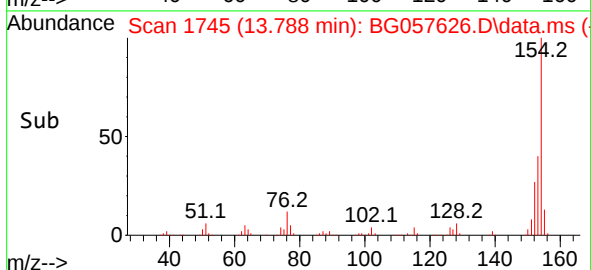
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

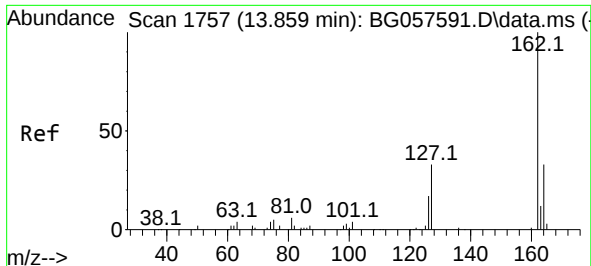


#46
1,1'-Biphenyl
Concen: 48.314 ng
RT: 13.788 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



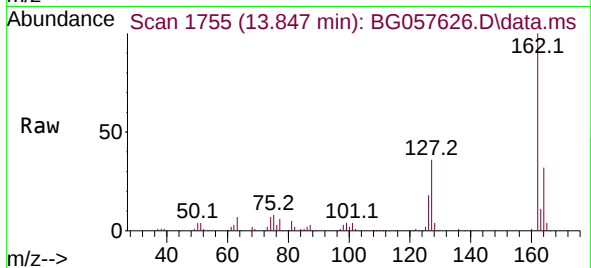
Tgt Ion:154 Resp: 227231
Ion Ratio Lower Upper
154 100
153 39.6 19.6 59.6
76 12.5 0.0 30.9





#47
2-Chloronaphthalene
Concen: 48.871 ng
RT: 13.847 min Scan# 1755
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

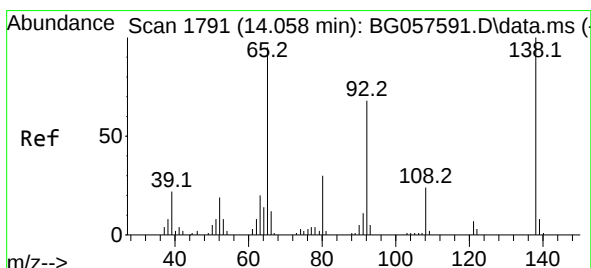
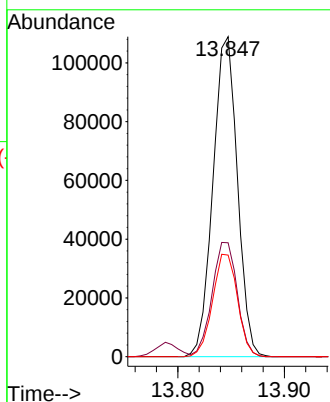
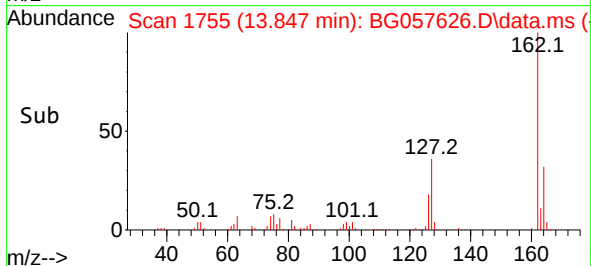
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:162 Resp: 173129
Ion Ratio Lower Upper
162 100
127 35.6 28.2 42.2
164 31.7 26.1 39.1

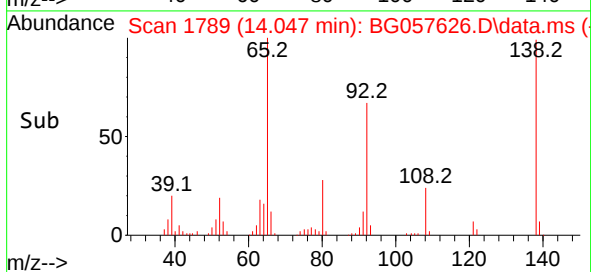
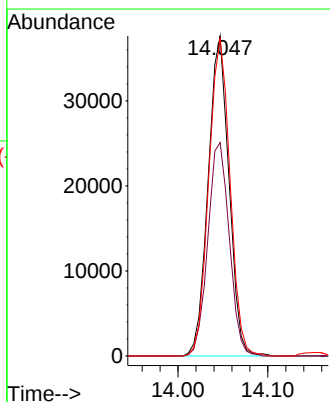
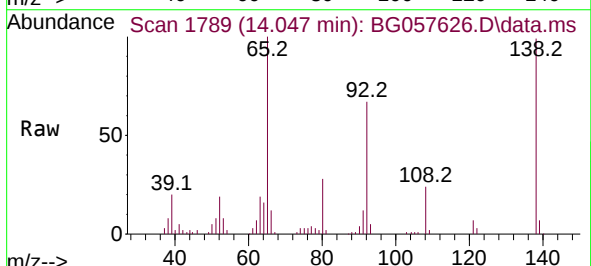
Manual Integrations
APPROVED

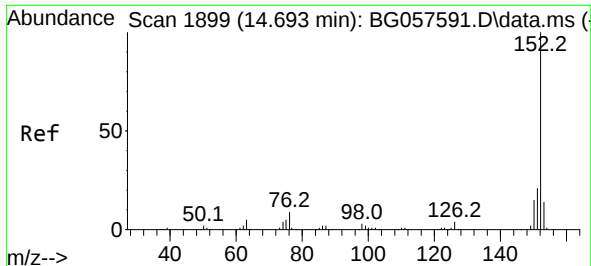
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#48
2-Nitroaniline
Concen: 48.717 ng
RT: 14.047 min Scan# 1789
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

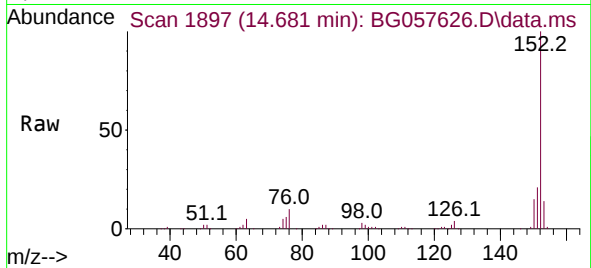
Tgt Ion: 65 Resp: 60454
Ion Ratio Lower Upper
65 100
92 66.7 57.3 85.9
138 99.1 84.6 127.0





#49
Acenaphthylene
Concen: 46.201 ng
RT: 14.681 min Scan# 1897
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

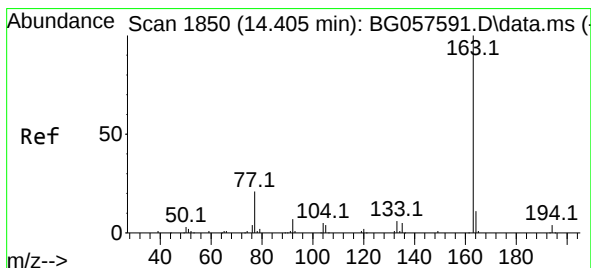
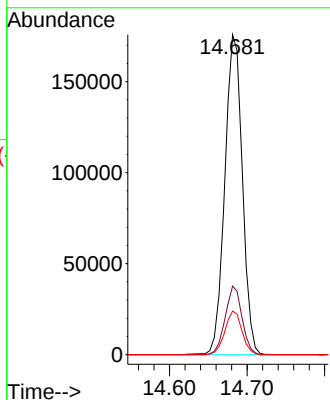
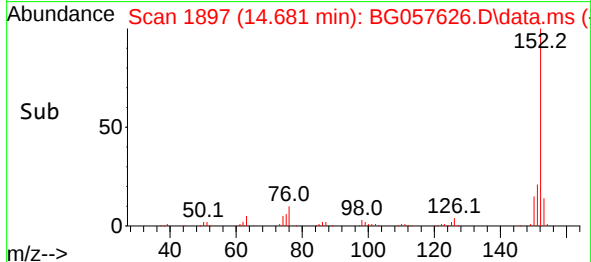
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



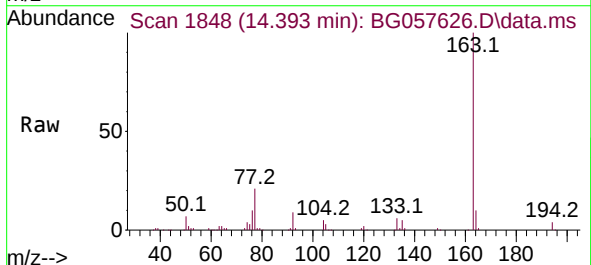
Tgt Ion:152 Resp: 27715
Ion Ratio Lower Upper
152 100
151 21.5 16.5 24.7
153 13.6 11.0 16.4

Manual Integrations
APPROVED

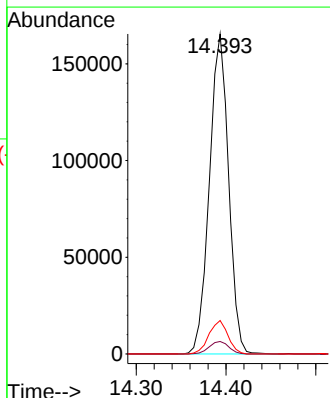
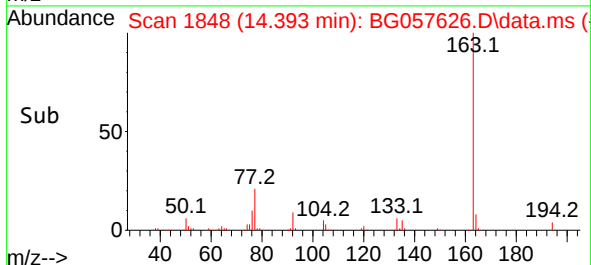
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

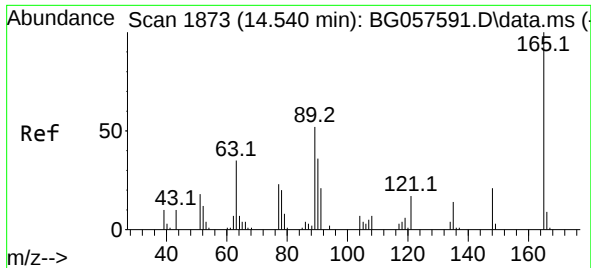


#50
Dimethylphthalate
Concen: 45.207 ng
RT: 14.393 min Scan# 1848
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



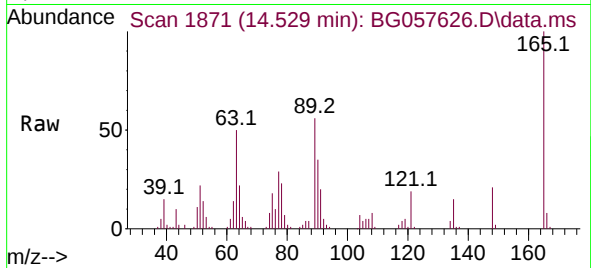
Tgt Ion:163 Resp: 245185
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.4 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 47.435 ng
RT: 14.529 min Scan# 1873
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

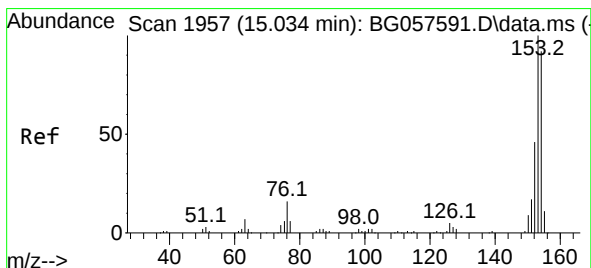
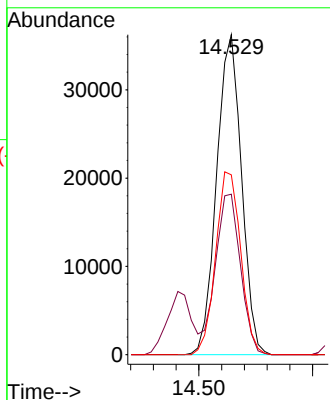
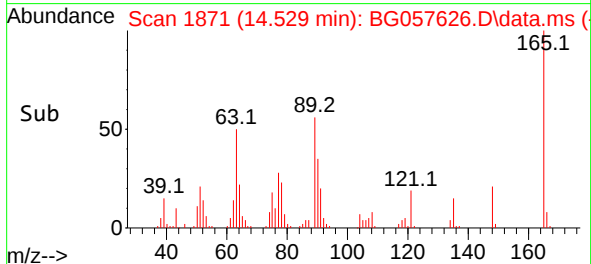
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:165 Resp: 55072
Ion Ratio Lower Upper
165 100
63 50.2 39.3 58.9
89 56.2 41.5 62.3

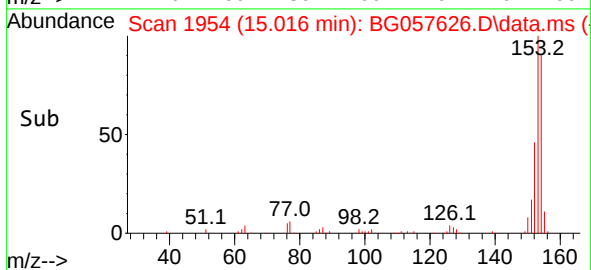
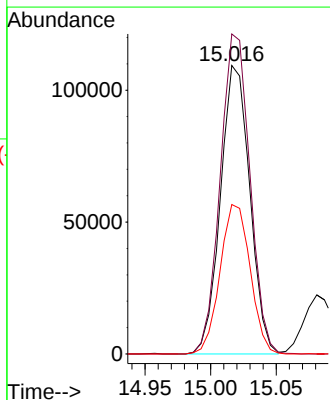
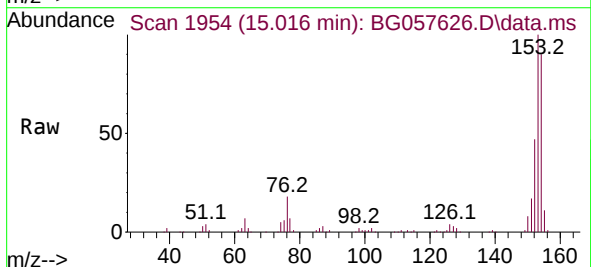
Manual Integrations
APPROVED

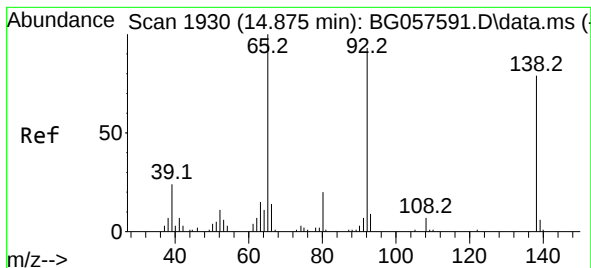
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#52
Acenaphthene
Concen: 46.359 ng
RT: 15.016 min Scan# 1954
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

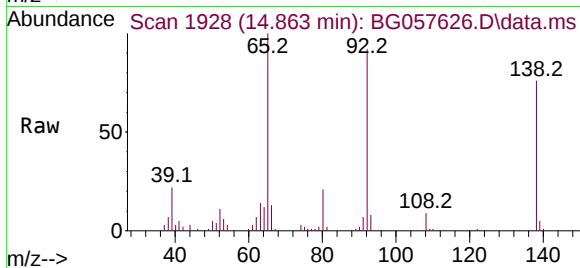
Tgt Ion:154 Resp: 170171
Ion Ratio Lower Upper
154 100
153 110.9 87.4 131.0
152 51.8 40.2 60.4





#53
3-Nitroaniline
Concen: 20.180 ng
RT: 14.863 min Scan# 1930
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

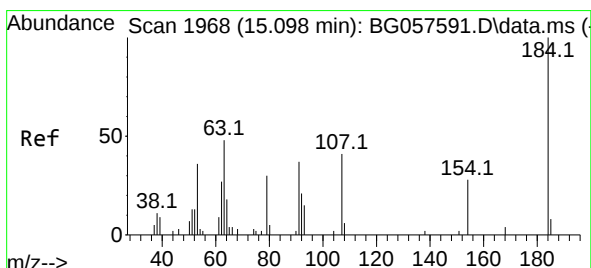
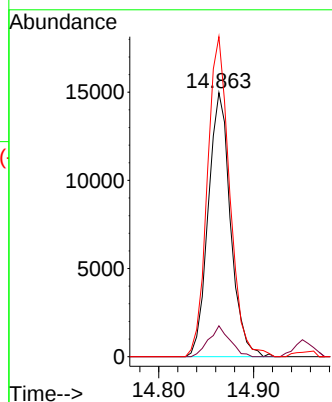
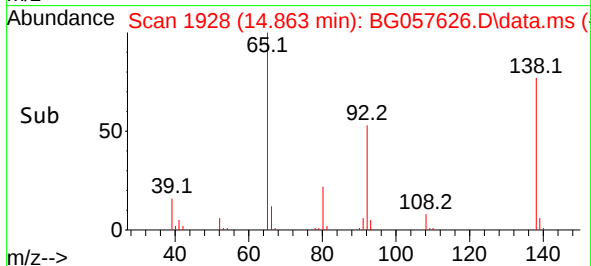
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



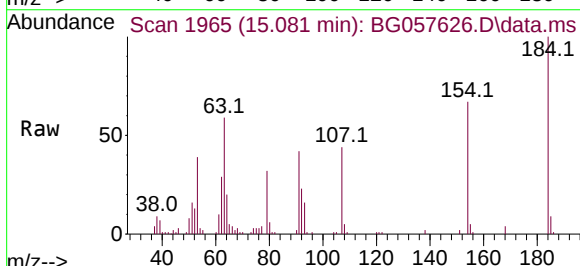
Tgt Ion:138 Resp: 2443
Ion Ratio Lower Upper
138 100
108 11.7 7.1 10.7
92 121.2 94.9 142.3

Manual Integrations
APPROVED

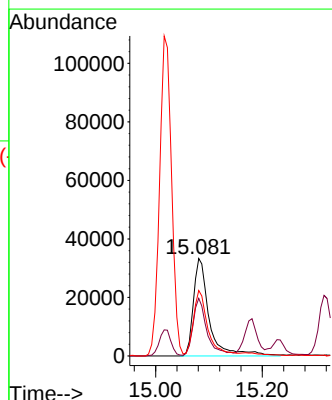
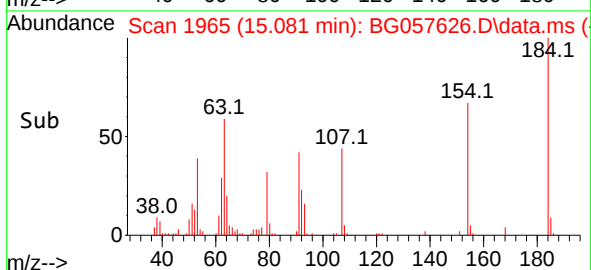
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

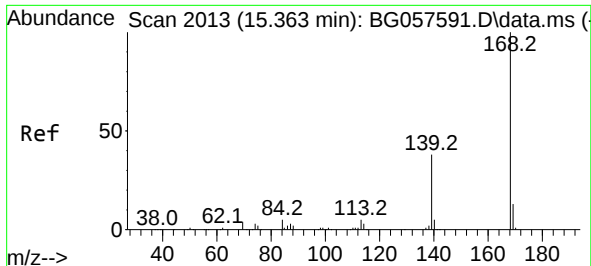


#54
2,4-Dinitrophenol
Concen: 96.710 ng
RT: 15.081 min Scan# 1965
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



Tgt Ion:184 Resp: 68896
Ion Ratio Lower Upper
184 100
63 59.1 41.4 62.2
154 67.2 52.5 78.7





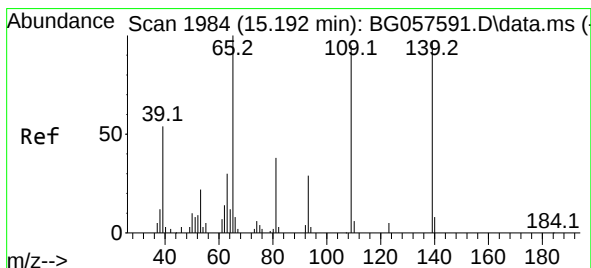
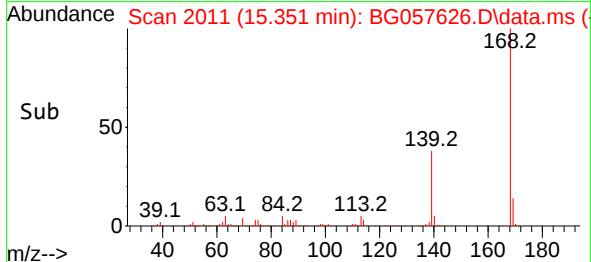
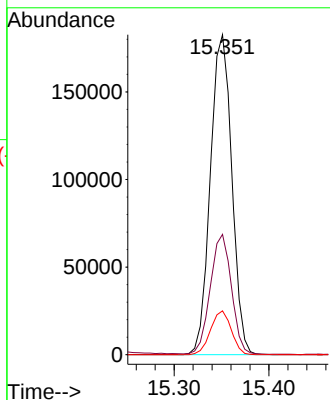
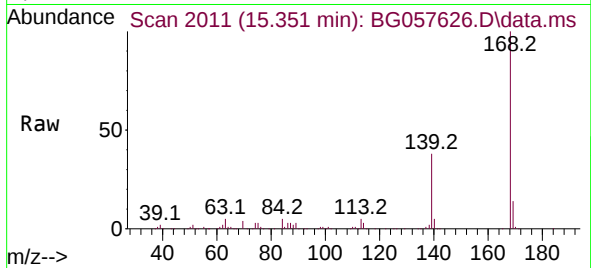
#55
Dibenzenofuran
Concen: 45.773 ng
RT: 15.351 min Scan# 2013
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion:168 Resp: 287095
Ion Ratio Lower Upper
168 100
139 37.6 30.6 46.0
169 13.7 10.6 16.0

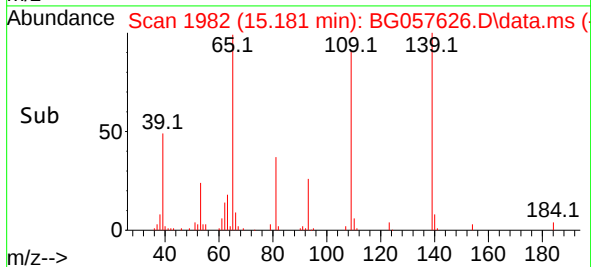
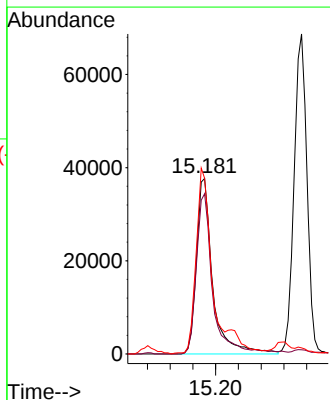
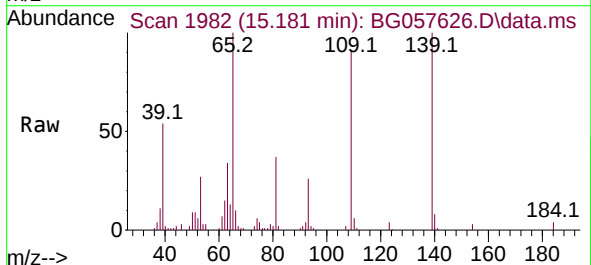
Manual Integrations
APPROVED

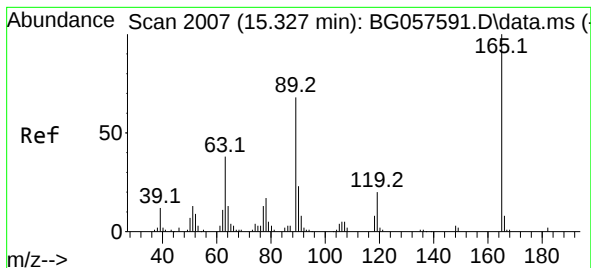
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#56
4-Nitrophenol
Concen: 93.074 ng
RT: 15.181 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

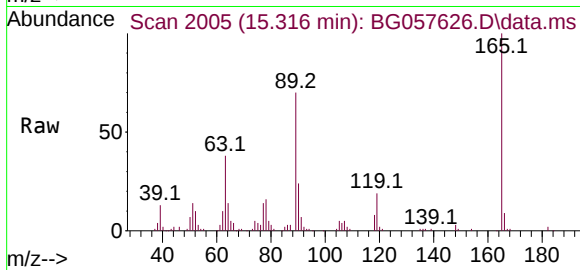
Tgt Ion:139 Resp: 75095
Ion Ratio Lower Upper
139 100
109 91.3 78.2 118.2
65 100.1 83.2 123.2





#57
2,4-Dinitrotoluene
Concen: 47.324 ng
RT: 15.316 min Scan# 2005
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

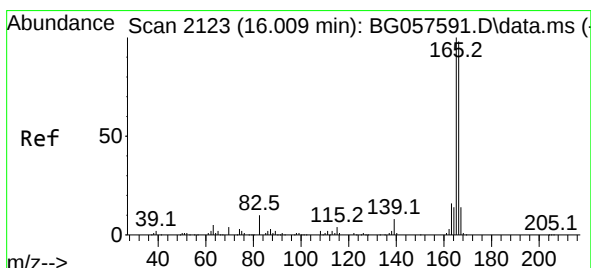
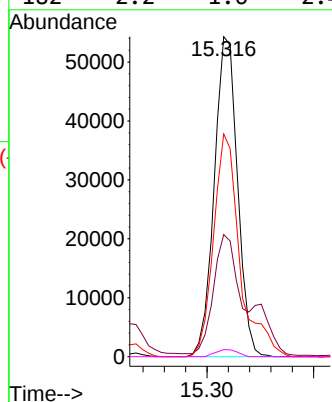
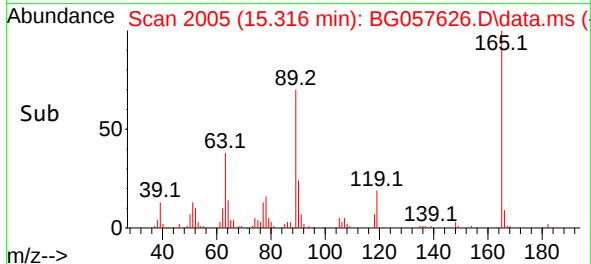
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:165 Resp: 82260
Ion Ratio Lower Upper
165 100
63 38.2 30.6 45.8
89 69.6 54.2 81.2
182 2.2 1.6 2.4

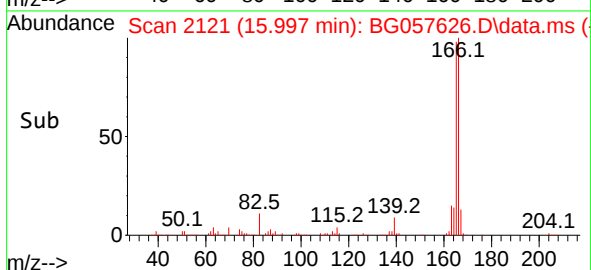
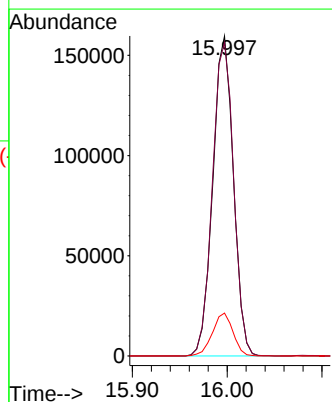
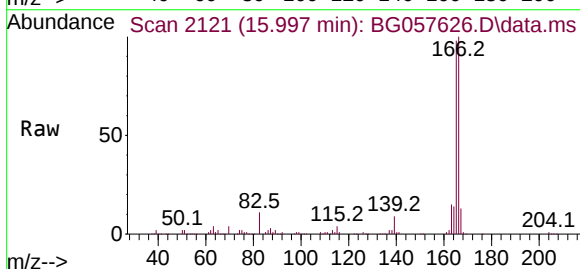
Manual Integrations
APPROVED

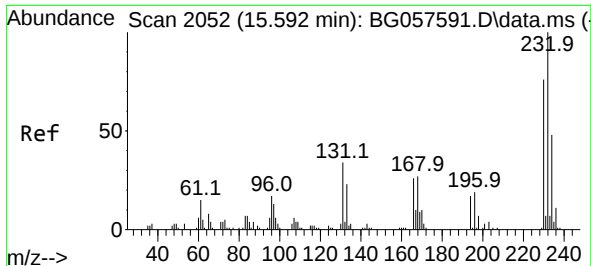
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#58
Fluorene
Concen: 45.498 ng
RT: 15.997 min Scan# 2121
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

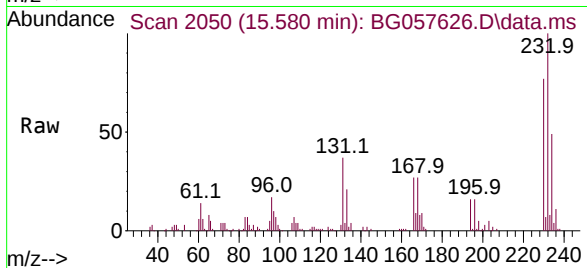
Tgt Ion:166 Resp: 240949
Ion Ratio Lower Upper
166 100
165 98.0 81.2 121.8
167 13.4 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.737 ng
RT: 15.580 min Scan# 2050
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

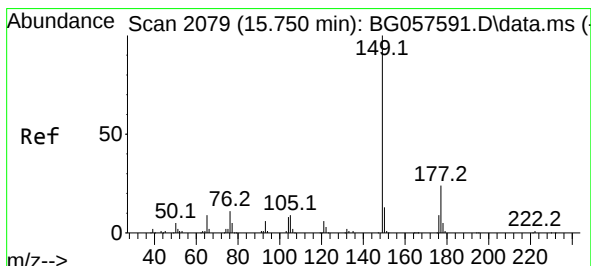
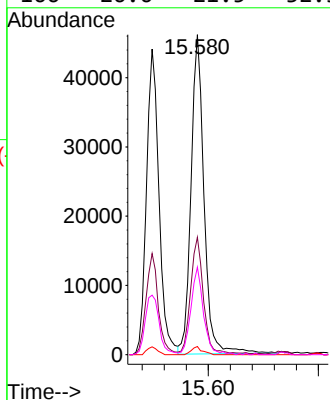
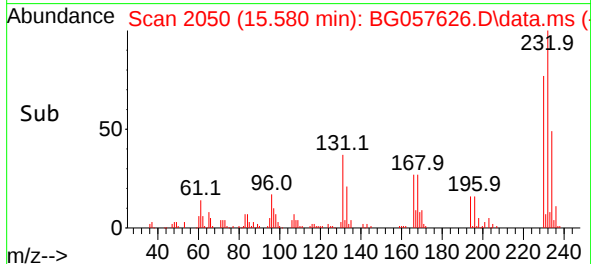
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



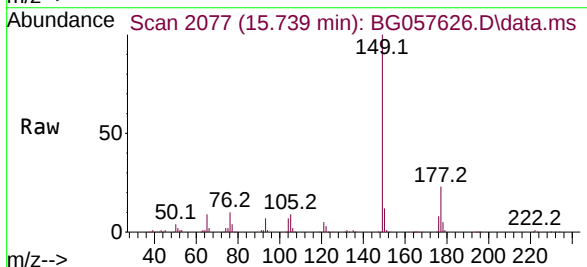
Tgt Ion:232 Resp: 75464
Ion Ratio Lower Upper
232 100
131 35.8 28.6 43.0
130 2.1 1.8 2.6
166 26.6 21.5 32.3

Manual Integrations
APPROVED

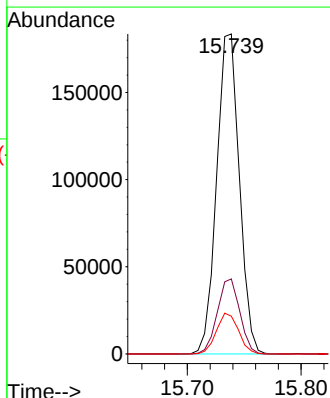
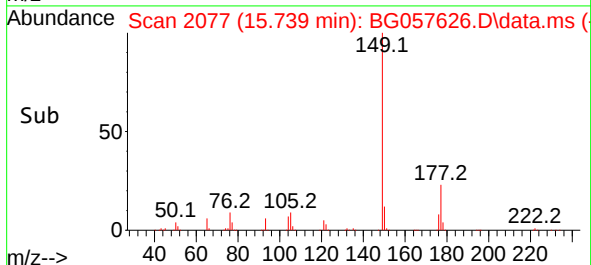
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

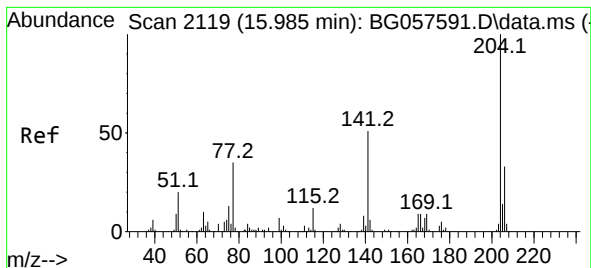


#60
Diethylphthalate
Concen: 44.945 ng
RT: 15.739 min Scan# 2077
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



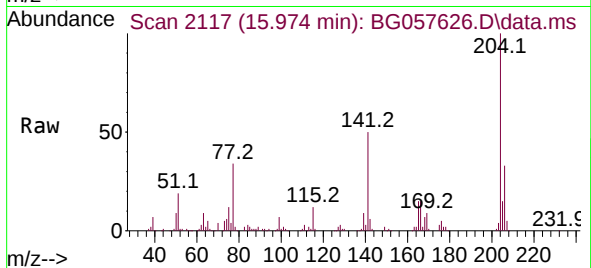
Tgt Ion:149 Resp: 254432
Ion Ratio Lower Upper
149 100
177 23.5 19.0 28.6
150 11.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.781 ng
RT: 15.974 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

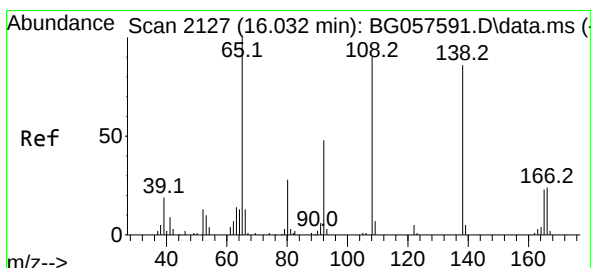
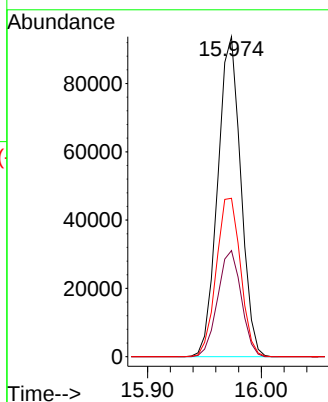
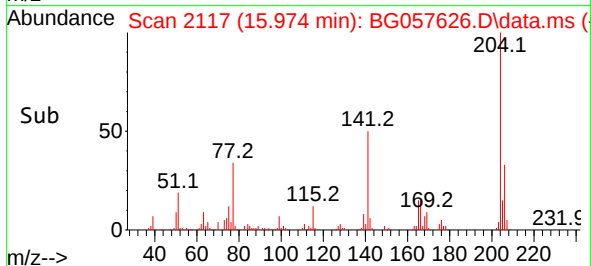
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:204 Resp: 13216
Ion Ratio Lower Upper
204 100
206 33.2 26.6 39.8
141 49.5 40.8 61.2

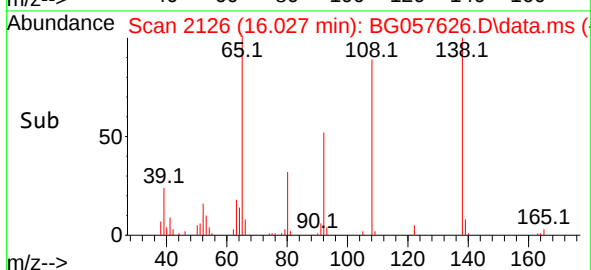
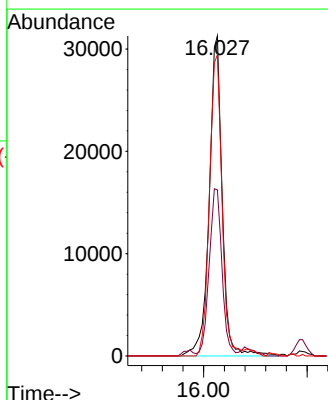
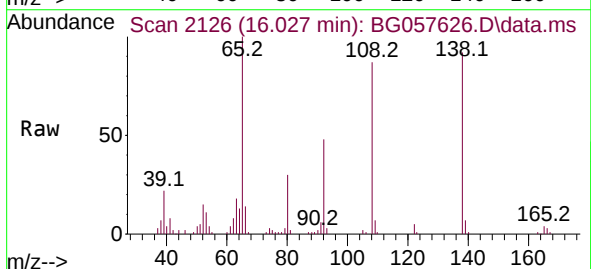
Manual Integrations
APPROVED

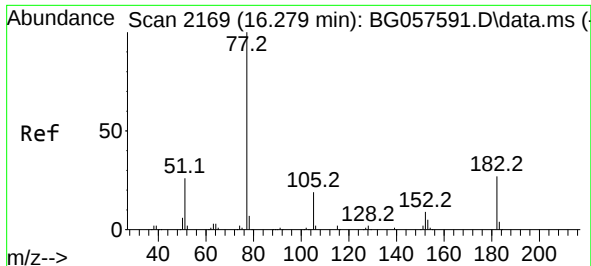
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#62
4-Nitroaniline
Concen: 41.843 ng
RT: 16.027 min Scan# 2126
Delta R.T. 0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

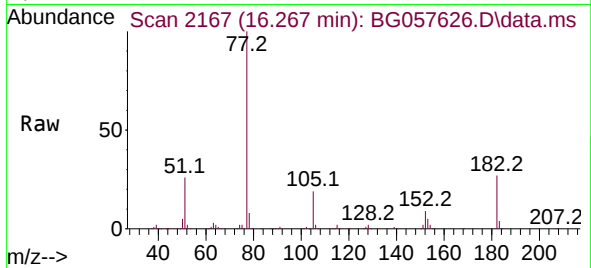
Tgt Ion:138 Resp: 54659
Ion Ratio Lower Upper
138 100
92 51.9 36.4 76.4
108 94.1 85.4 125.4





#63
Azobenzene
Concen: 46.644 ng
RT: 16.267 min Scan# 2169
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

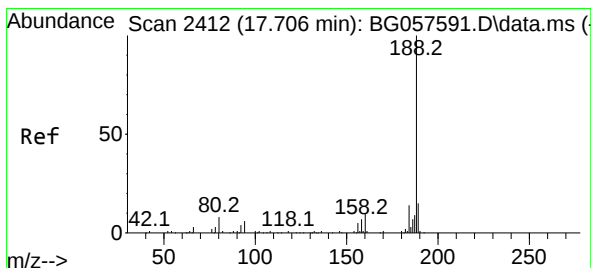
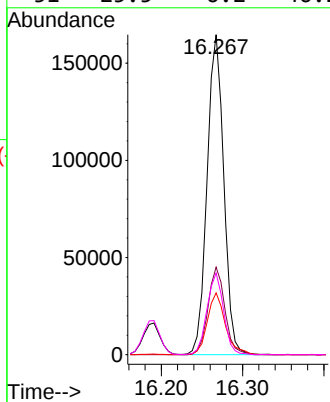
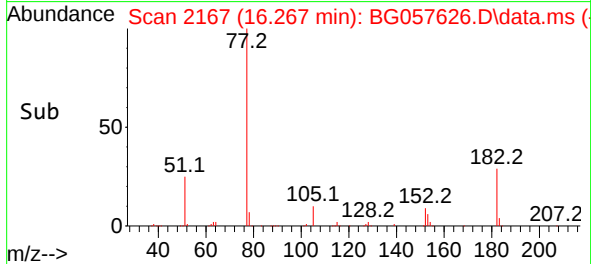
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



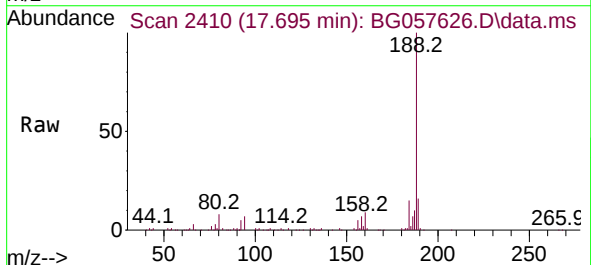
Tgt Ion: 77 Resp: 23482
Ion Ratio Lower Upper
77 100
182 27.3 7.4 47.4
105 19.3 0.0 39.4
51 25.5 6.2 46.2

Manual Integrations
APPROVED

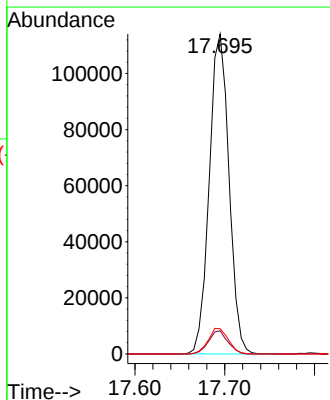
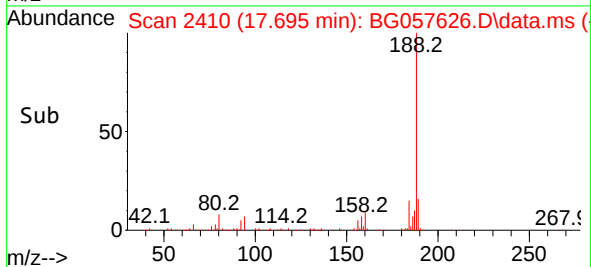
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

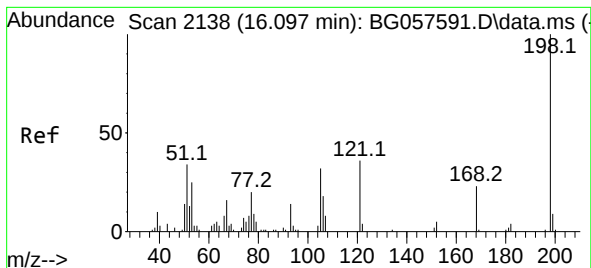


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



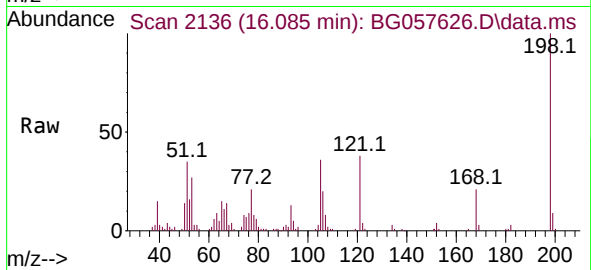
Tgt Ion:188 Resp: 173778
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 7.9 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 50.339 ng
RT: 16.085 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

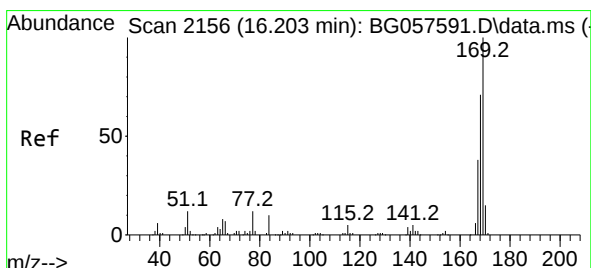
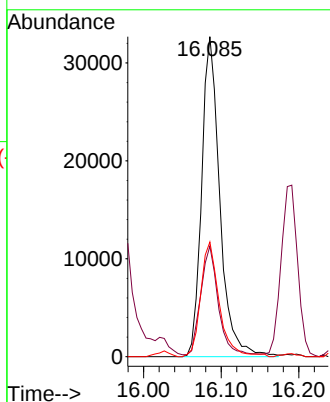
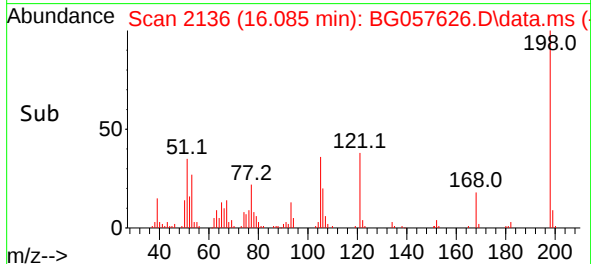
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:198 Resp: 53264
Ion Ratio Lower Upper
198 100
51 34.5 14.9 54.9
105 35.9 11.8 51.8

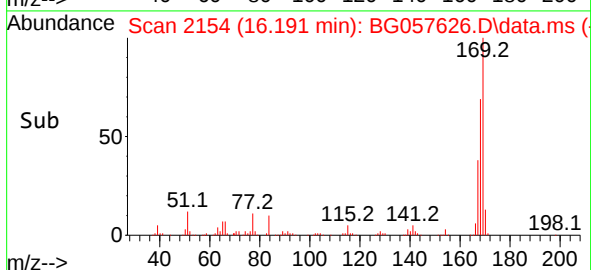
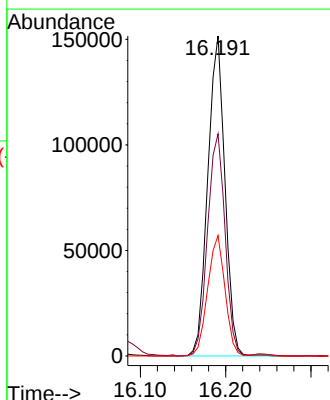
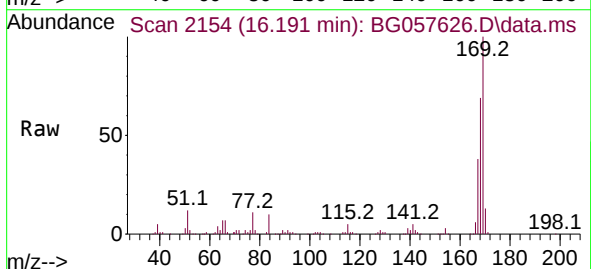
Manual Integrations
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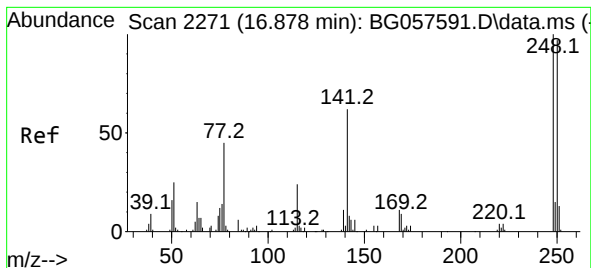
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#66
n-Nitrosodiphenylamine
Concen: 46.969 ng
RT: 16.191 min Scan# 2154
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

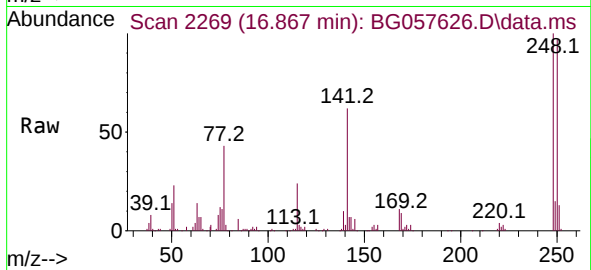
Tgt Ion:169 Resp: 212145
Ion Ratio Lower Upper
169 100
168 69.4 56.7 85.1
167 37.7 30.7 46.1





#67
4-Bromophenyl-phenylether
Concen: 47.216 ng
RT: 16.867 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

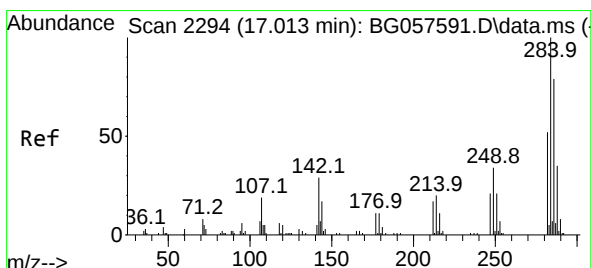
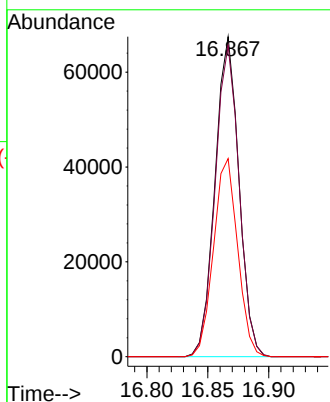
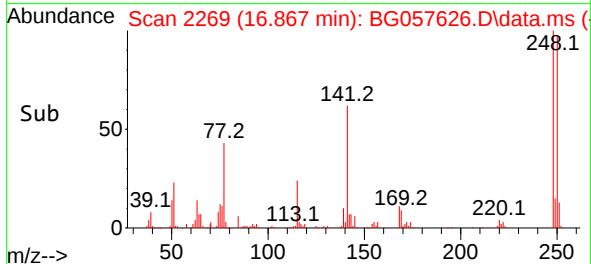
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



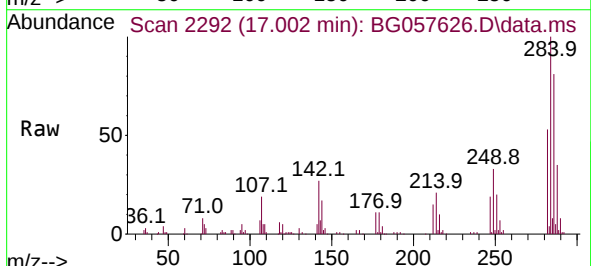
Tgt Ion:248 Resp: 92040
Ion Ratio Lower Upper
248 100
250 97.2 77.4 116.2
141 61.9 49.4 74.0

Manual Integrations
APPROVED

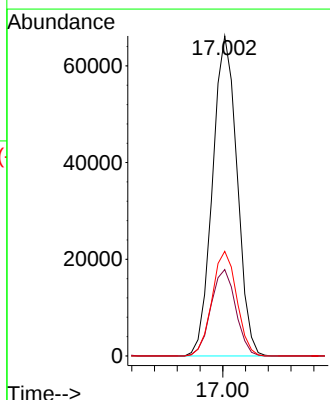
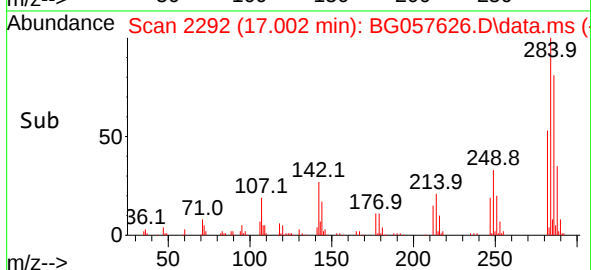
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

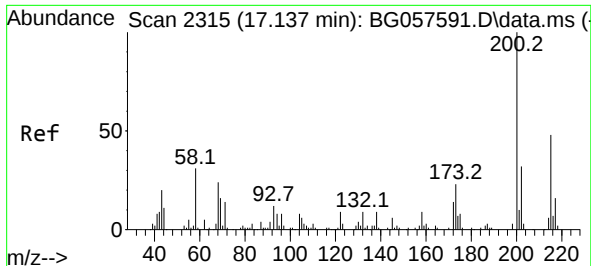


#68
Hexachlorobenzene
Concen: 49.323 ng
RT: 17.002 min Scan# 2292
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



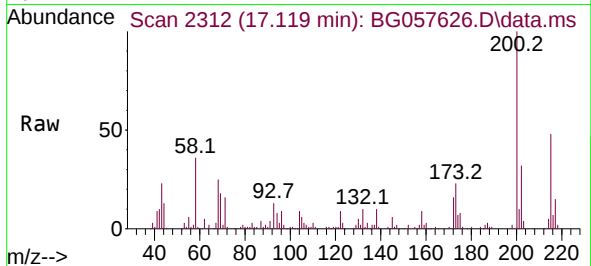
Tgt Ion:284 Resp: 99107
Ion Ratio Lower Upper
284 100
142 27.0 22.9 34.3
249 32.7 27.0 40.4





#69
 Atrazine
 Concen: 47.397 ng
 RT: 17.119 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

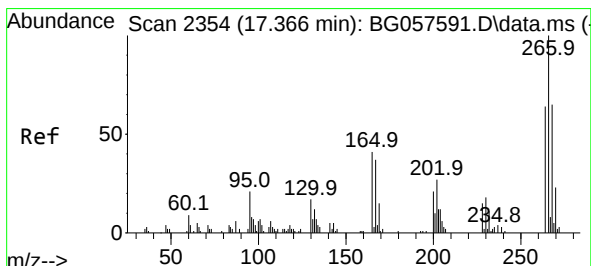
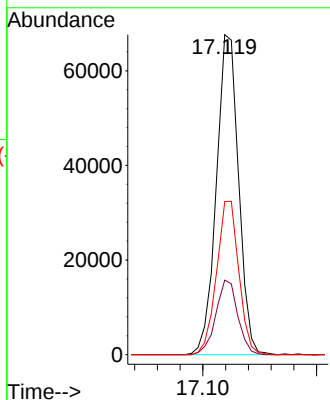
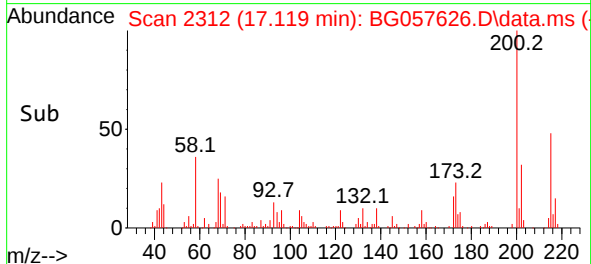
Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1MSD



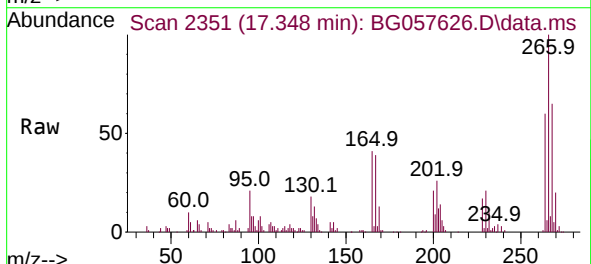
Tgt Ion:200 Resp: 91912
 Ion Ratio Lower Upper
 200 100
 173 23.3 3.2 43.2
 215 47.9 28.4 68.4

Manual Integrations
 APPROVED

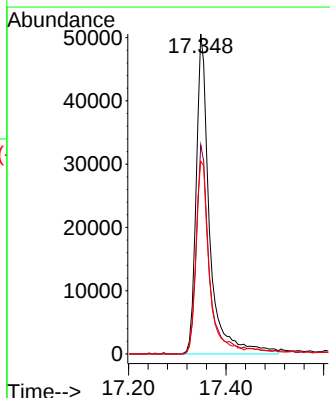
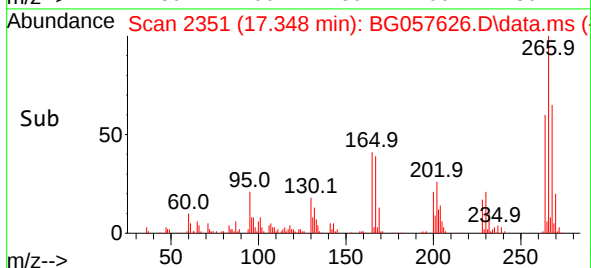
Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

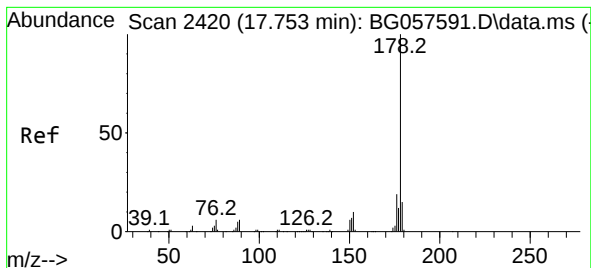


#70
 Pentachlorophenol
 Concen: 94.800 ng
 RT: 17.348 min Scan# 2351
 Delta R.T. -0.009 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01



Tgt Ion:266 Resp: 97061
 Ion Ratio Lower Upper
 266 100
 268 65.4 52.2 78.4
 264 60.2 51.2 76.8





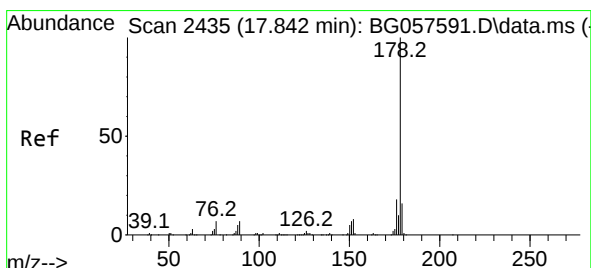
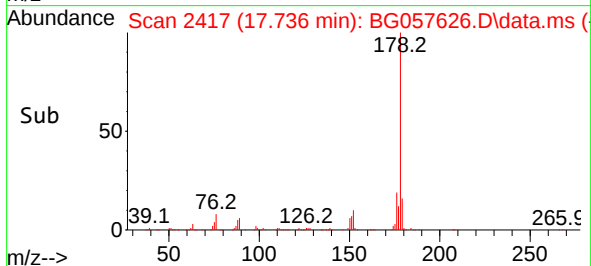
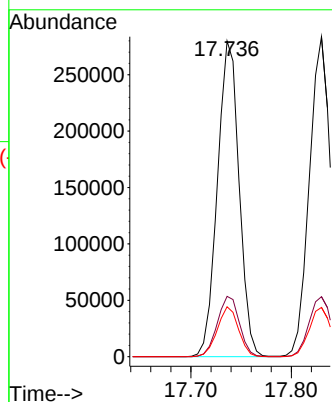
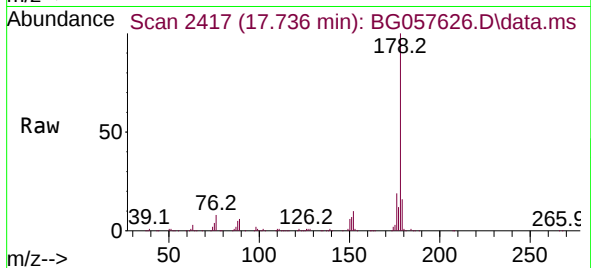
#71
Phenanthrene
Concen: 47.186 ng
RT: 17.736 min Scan# 2417
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion:178 Resp: 419619
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.8 12.0 18.0

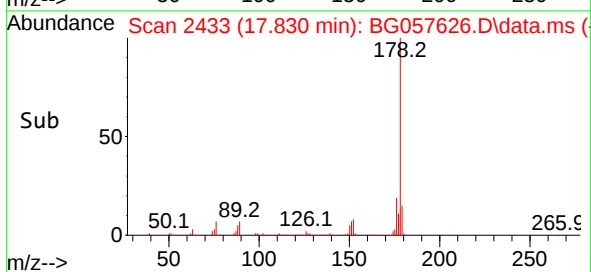
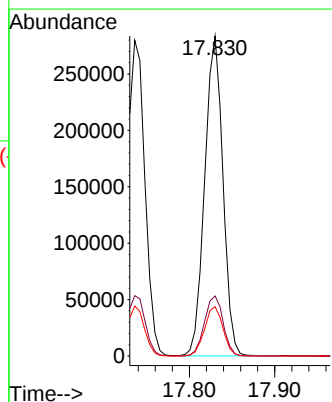
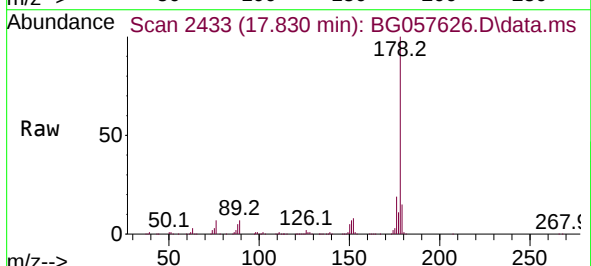
Manual Integrations
APPROVED

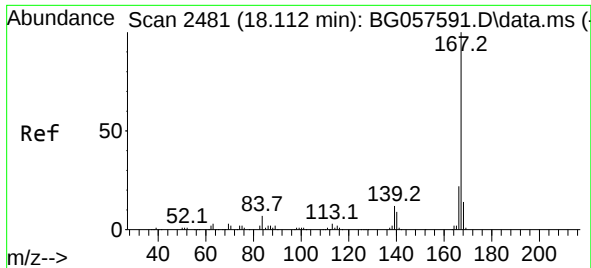
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#72
Anthracene
Concen: 46.068 ng
RT: 17.830 min Scan# 2433
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

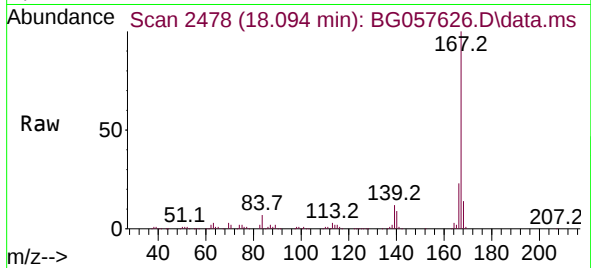
Tgt Ion:178 Resp: 420272
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.4 12.6 18.8





#73
 Carbazole
 Concen: 47.937 ng
 RT: 18.094 min Scan# 2481
 Delta R.T. -0.003 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

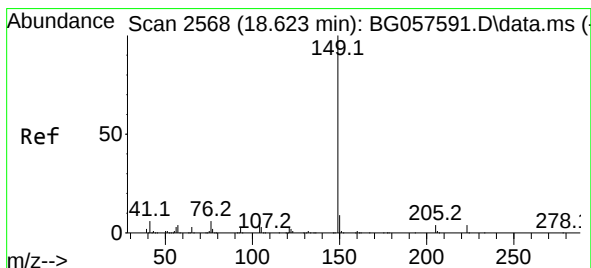
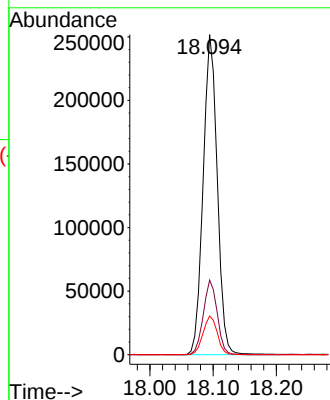
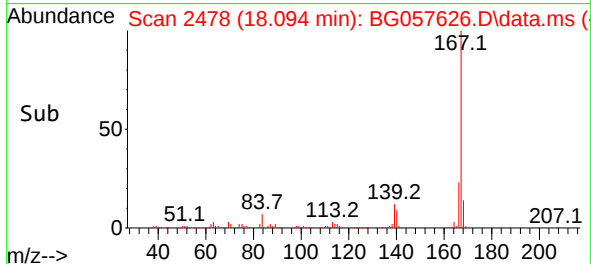
Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1MSD



Tgt Ion:167 Resp: 391227
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.9 26.9
 139 12.1 9.6 14.4

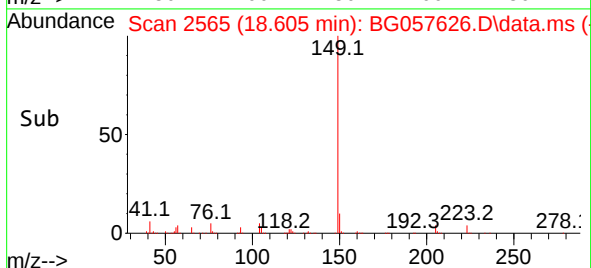
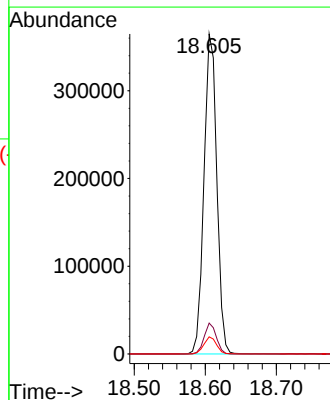
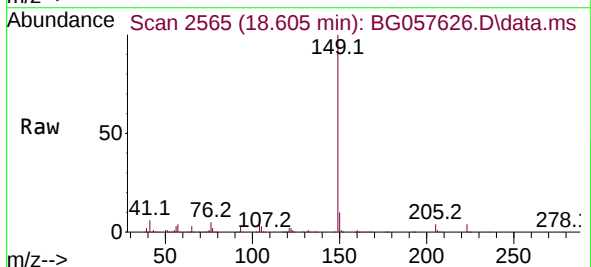
Manual Integrations
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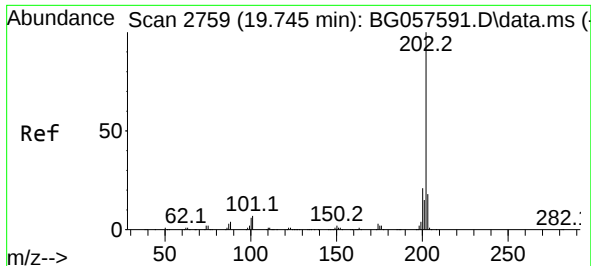
Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023



#74
 Di-n-butylphthalate
 Concen: 47.310 ng
 RT: 18.605 min Scan# 2565
 Delta R.T. -0.009 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

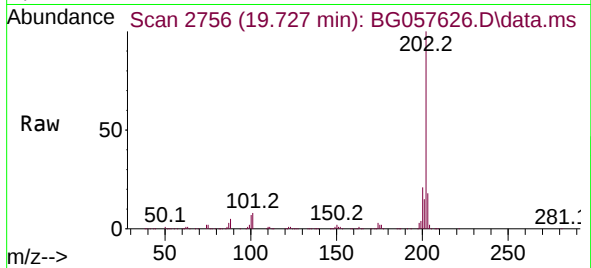
Tgt Ion:149 Resp: 458354
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.3 10.9
 104 5.3 4.6 6.8





#75
Fluoranthene
Concen: 44.797 ng
RT: 19.727 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

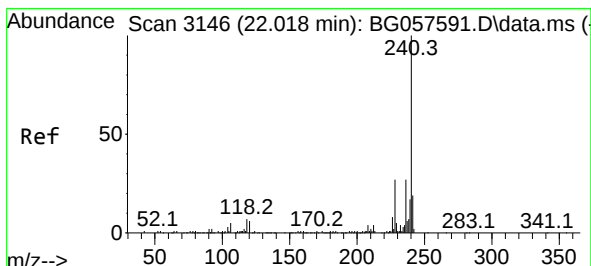
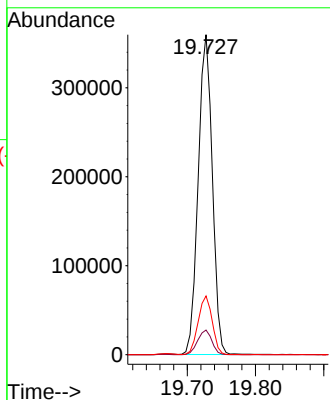
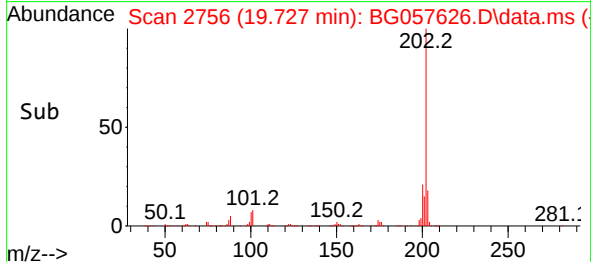
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:202 Resp: 51717
Ion Ratio Lower Upper
202 100
101 7.7 0.0 27.5
203 18.3 0.0 38.4

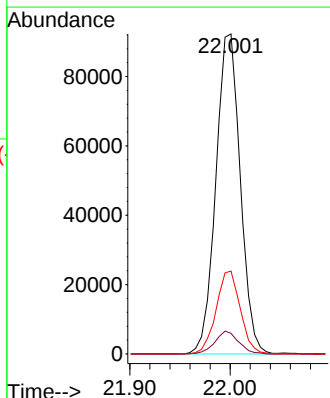
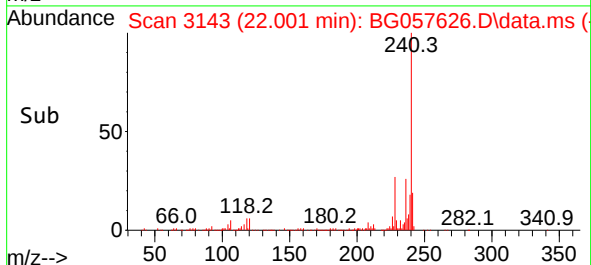
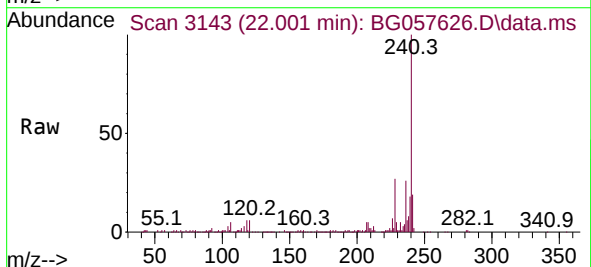
Manual Integrations
APPROVED

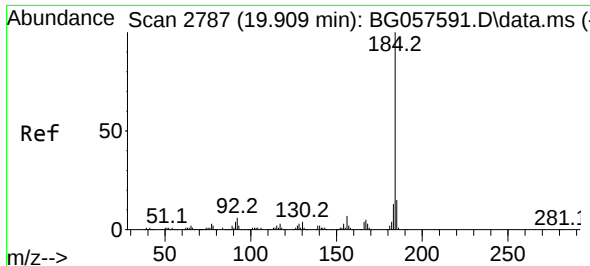
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.001 min Scan# 3143
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:240 Resp: 155977
Ion Ratio Lower Upper
240 100
120 6.5 5.2 7.8
236 25.9 21.4 32.0





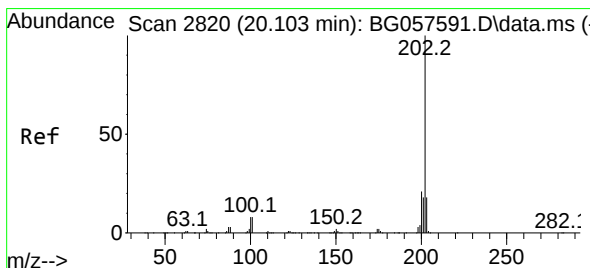
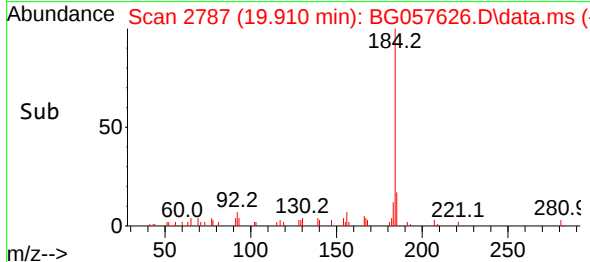
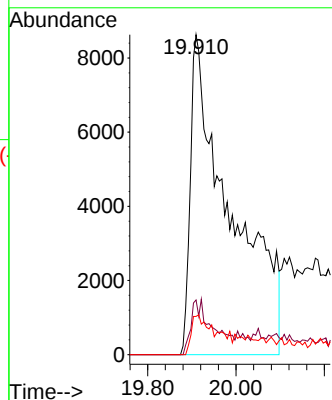
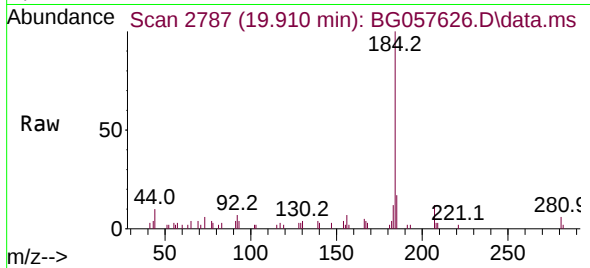
#77
Benzidine
Concen: 11.409 ng m
RT: 19.910 min Scan# 21
Delta R.T. 0.015 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Tgt Ion:184 Resp: 5384
Ion Ratio Lower Upper
184 100
185 17.1 12.0 18.0
183 11.9 10.0 15.0

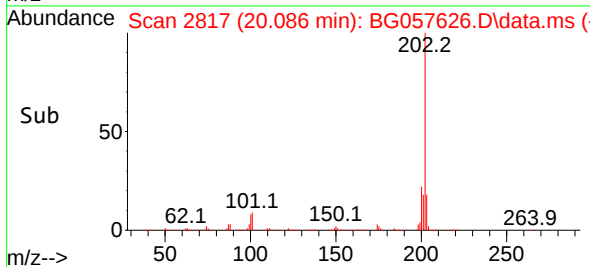
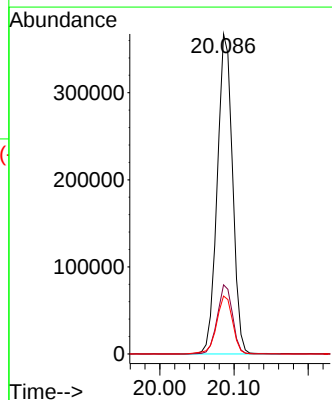
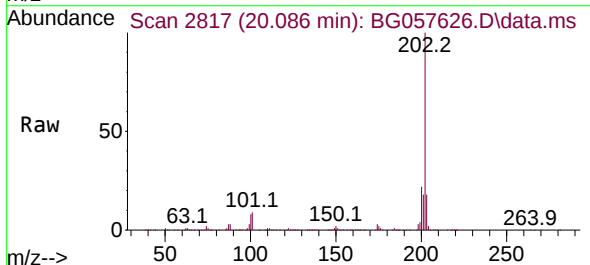
Manual Integrations
APPROVED

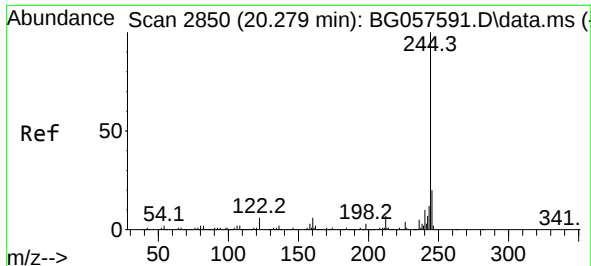
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#78
Pyrene
Concen: 47.244 ng
RT: 20.086 min Scan# 2817
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

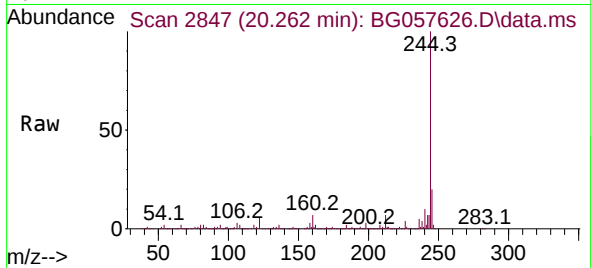
Tgt Ion:202 Resp: 524693
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 18.1 14.5 21.7





#79
 Terphenyl-d14
 Concen: 90.323 ng
 RT: 20.262 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

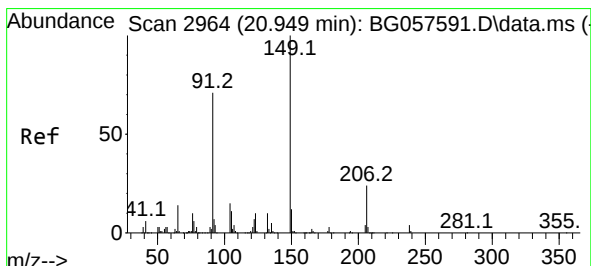
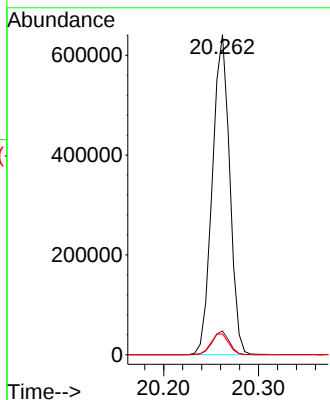
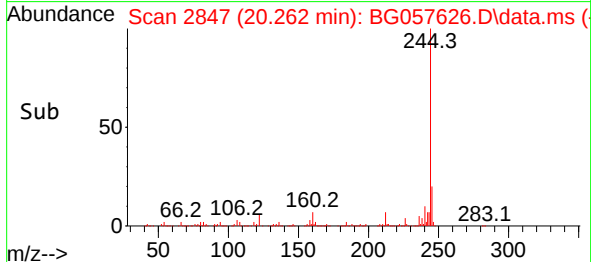
Instrument :
 BNA_G
 ClientSampleId :
 PNNL-RH-524-1MSD



Tgt Ion:244 Resp: 813300
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 6.4 4.8 7.2

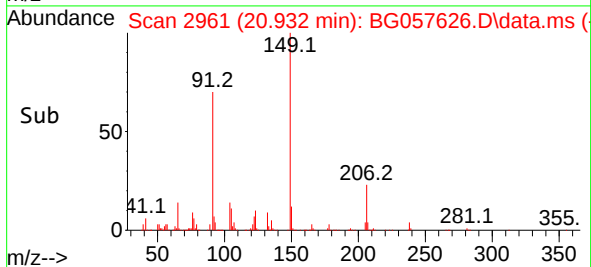
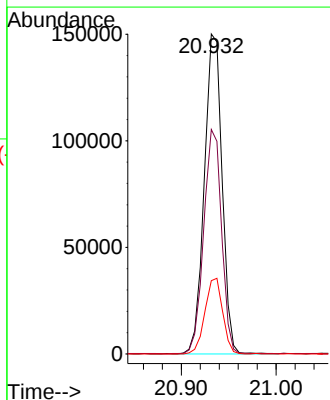
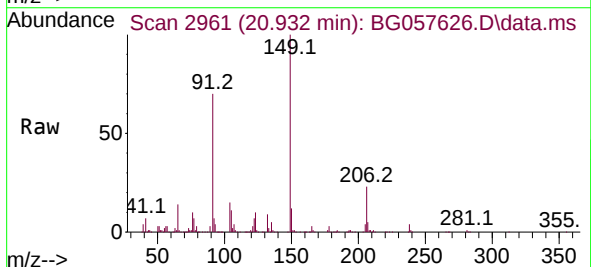
Manual Integrations
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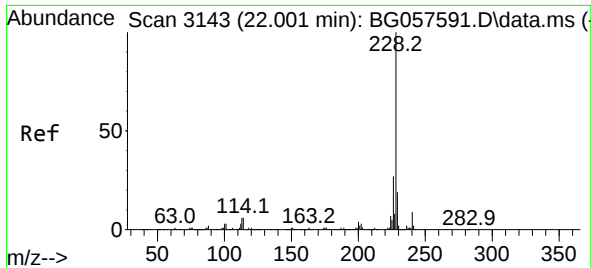
Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023



#80
 Butylbenzylphthalate
 Concen: 48.369 ng
 RT: 20.932 min Scan# 2961
 Delta R.T. -0.009 min
 Lab File: BG057626.D
 Acq: 31 May 2023 18:01

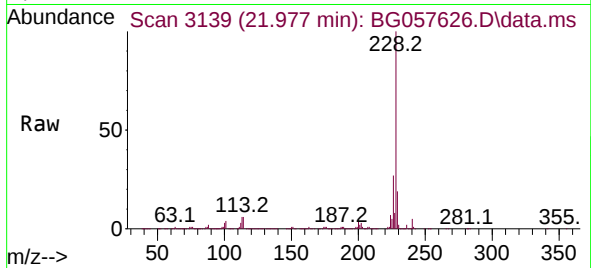
Tgt Ion:149 Resp: 195637
 Ion Ratio Lower Upper
 149 100
 91 70.1 57.0 85.6
 206 22.9 19.4 29.2





#81
Benzo(a)anthracene
Concen: 46.959 ng
RT: 21.977 min Scan# 3143
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

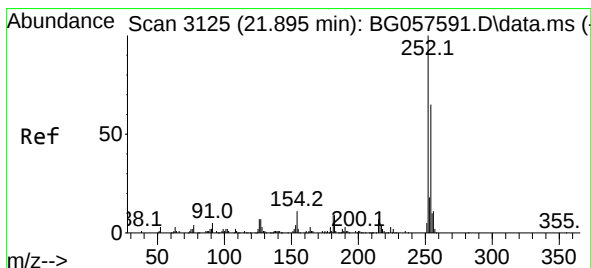
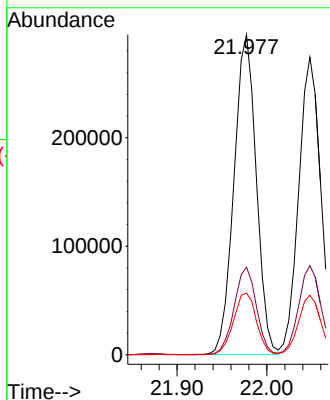
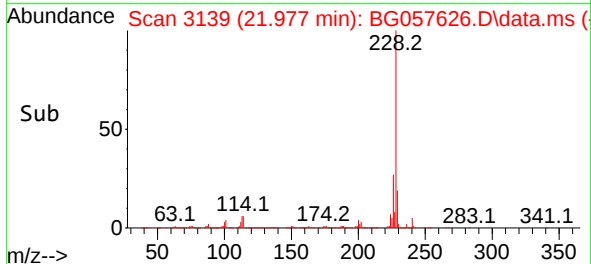
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:228 Resp: 50814
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 19.3 15.4 23.2

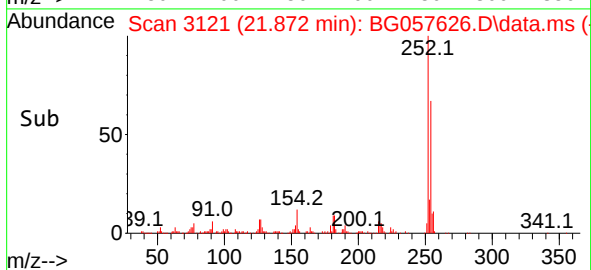
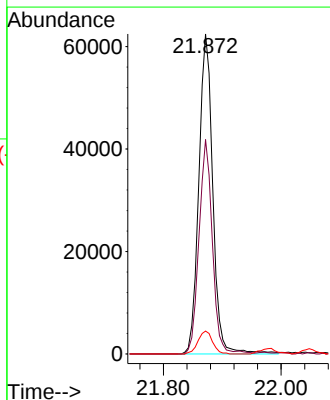
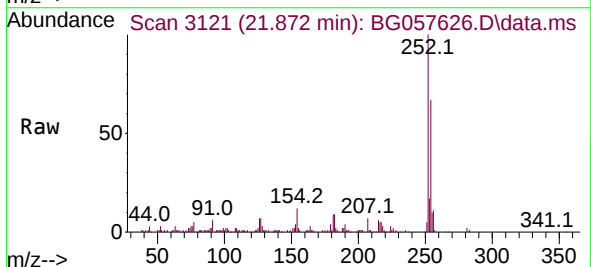
Manual Integrations
APPROVED

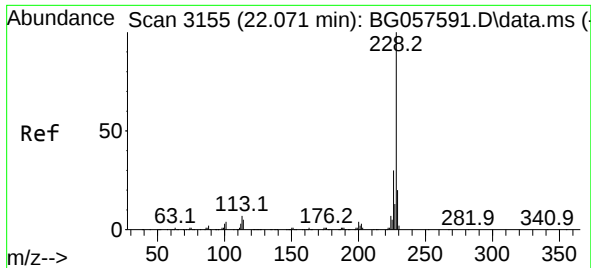
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#82
3,3'-Dichlorobenzidine
Concen: 25.873 ng
RT: 21.872 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

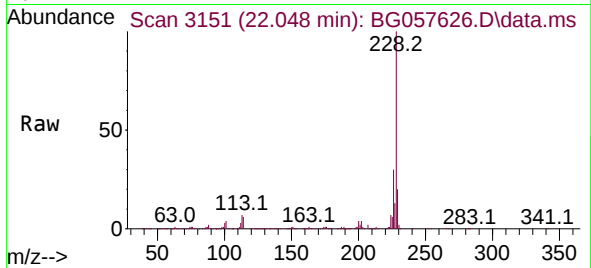
Tgt Ion:252 Resp: 103245
Ion Ratio Lower Upper
252 100
254 67.0 51.8 77.8
126 7.1 5.4 8.2





#83
Chrysene
Concen: 45.448 ng
RT: 22.048 min Scan# 3115
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

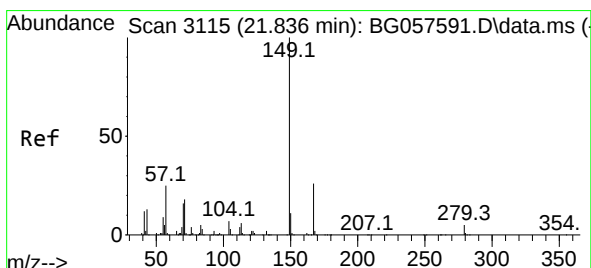
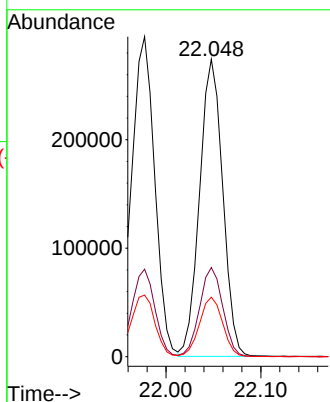
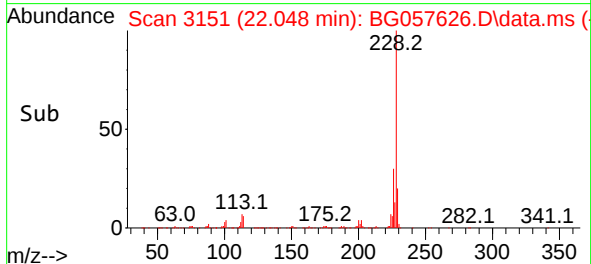
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:228 Resp: 46475
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.0 16.0 24.0

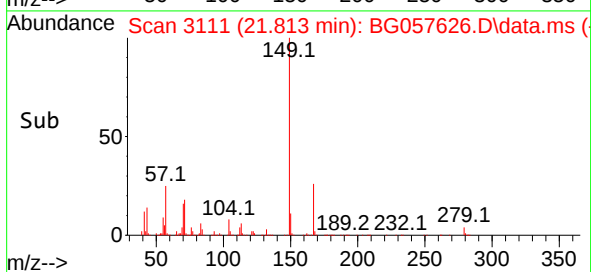
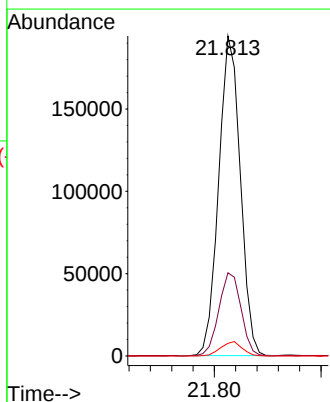
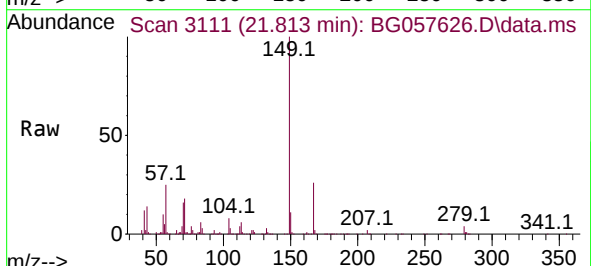
Manual Integrations
APPROVED

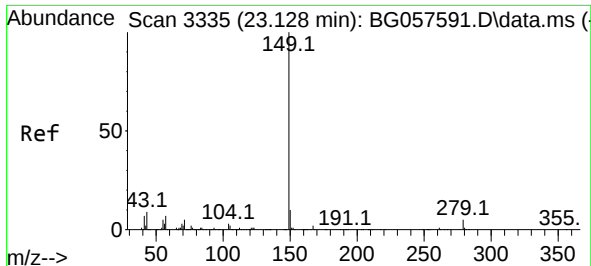
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.220 ng
RT: 21.813 min Scan# 3111
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

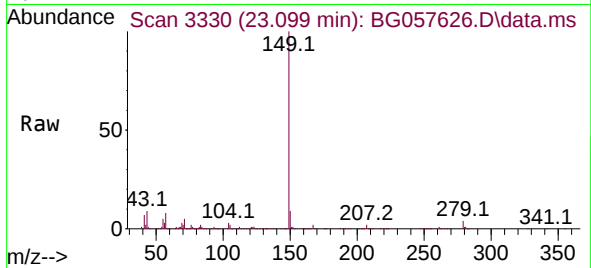
Tgt Ion:149 Resp: 272439
Ion Ratio Lower Upper
149 100
167 26.0 20.6 31.0
279 4.0 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 48.578 ng
RT: 23.099 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

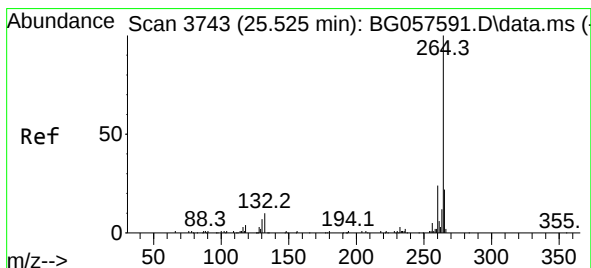
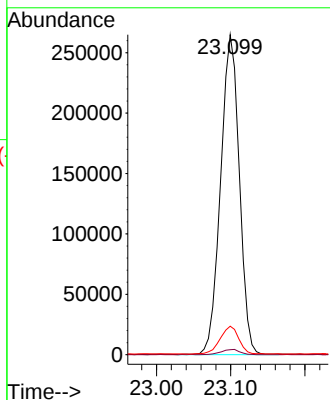
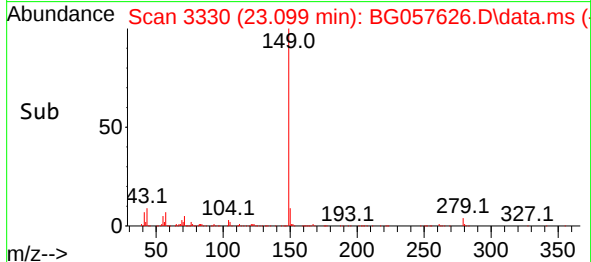
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



Tgt Ion:149 Resp: 464562
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 7.0 10.4

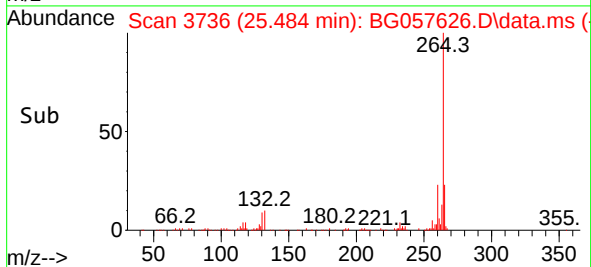
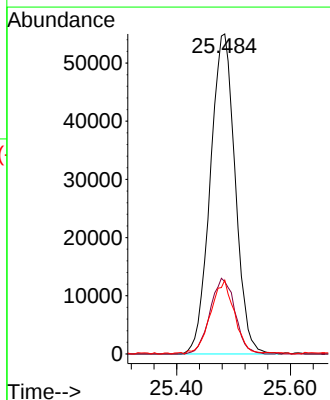
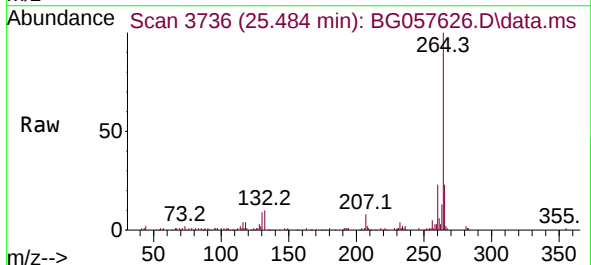
Manual Integrations
APPROVED

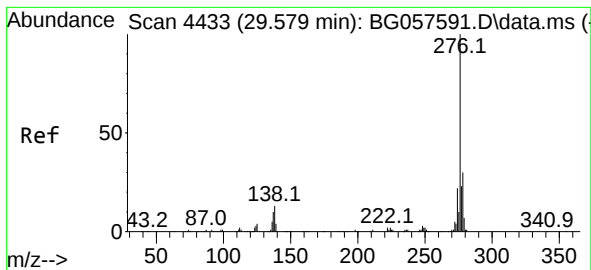
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.484 min Scan# 3736
Delta R.T. -0.014 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

Tgt Ion:264 Resp: 166848
Ion Ratio Lower Upper
264 100
260 22.6 19.1 28.7
265 23.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.603 ng

RT: 29.520 min Scan# 44

Delta R.T. -0.032 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

Instrument :

BNA_G

ClientSampleId :

PNNL-RH-524-1MSD

Tgt Ion:276 Resp: 56538

Ion Ratio Lower Upper

276 100

138 16.1 12.3 18.5

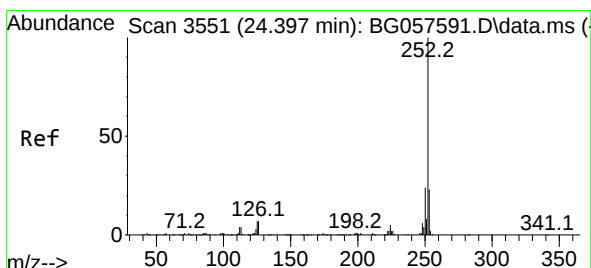
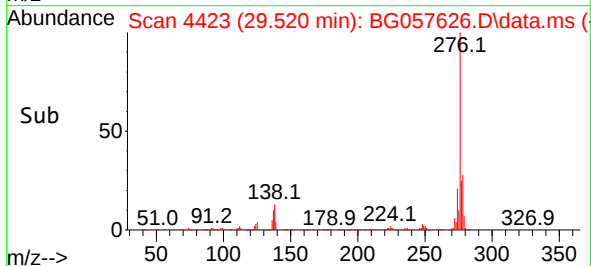
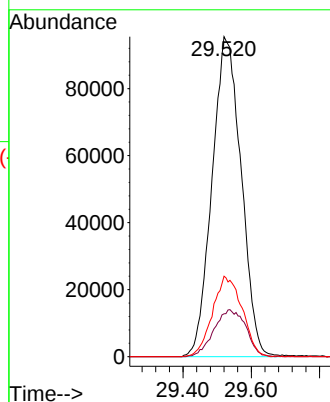
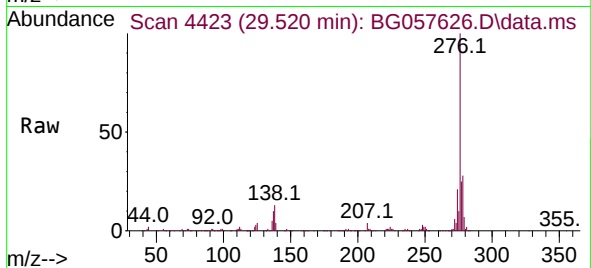
277 25.5 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#88

Benzo(b)fluoranthene

Concen: 50.124 ng

RT: 24.368 min Scan# 3546

Delta R.T. -0.009 min

Lab File: BG057626.D

Acq: 31 May 2023 18:01

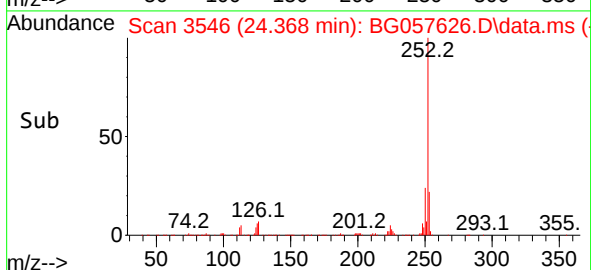
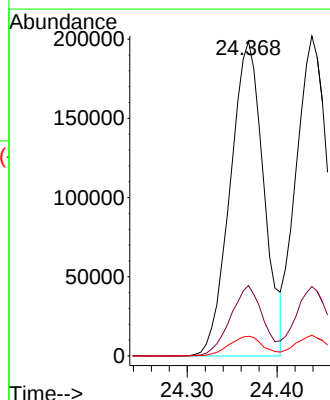
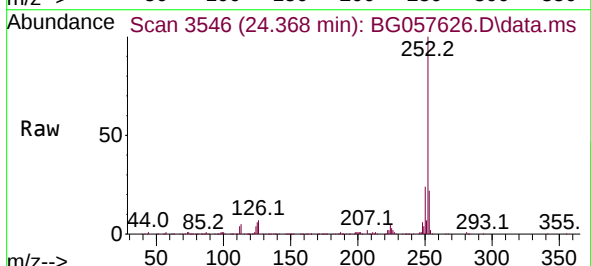
Tgt Ion:252 Resp: 514771

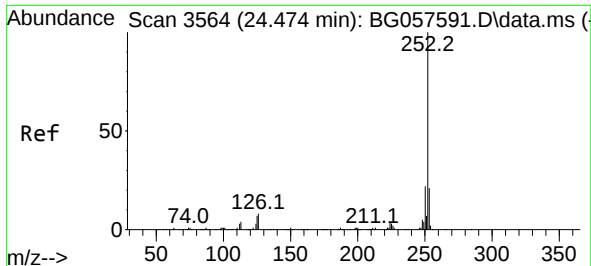
Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

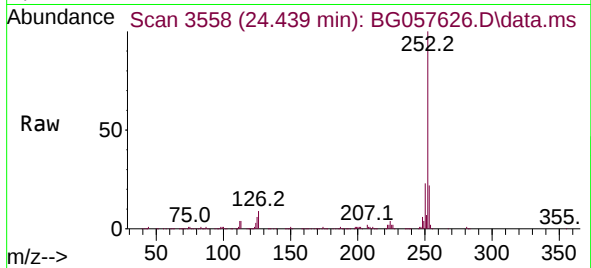
125 6.3 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 47.881 ng
RT: 24.439 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

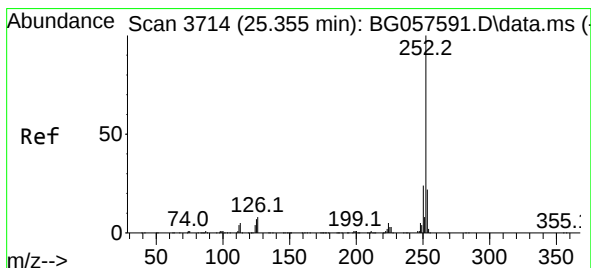
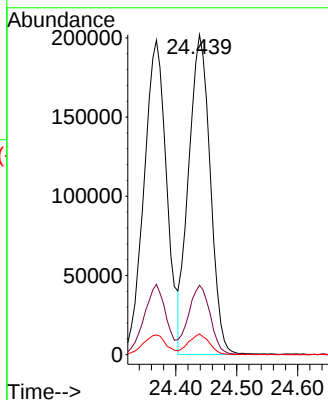
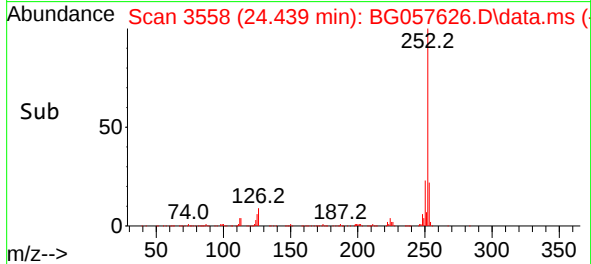
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



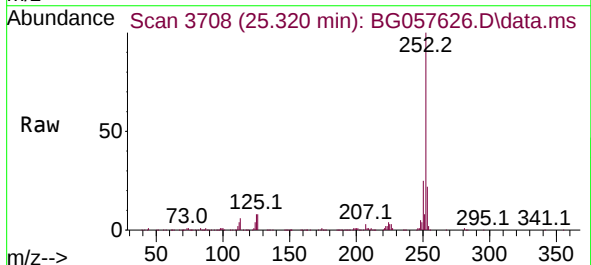
Tgt Ion:252 Resp: 496278
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 6.5 5.1 7.7

Manual Integrations
APPROVED

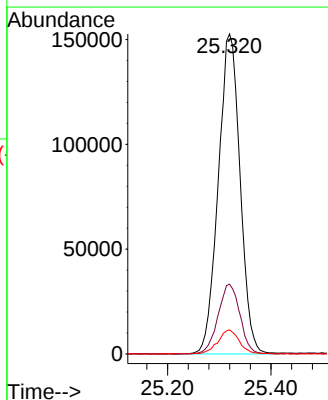
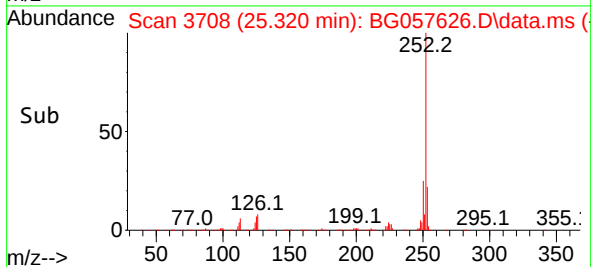
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

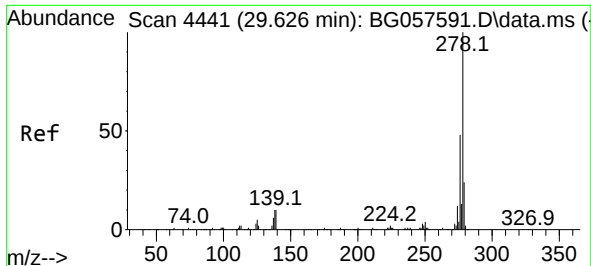


#90
Benzo(a)pyrene
Concen: 44.572 ng
RT: 25.320 min Scan# 3708
Delta R.T. -0.009 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



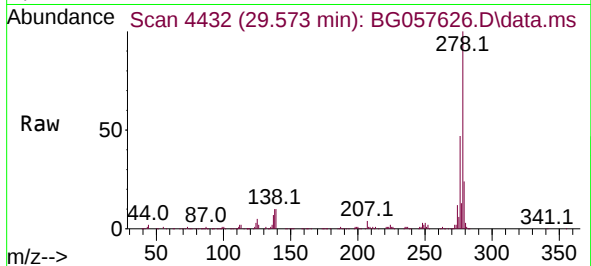
Tgt Ion:252 Resp: 446405
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.6 5.3 7.9





#91
Dibenzo(a,h)anthracene
Concen: 48.932 ng
RT: 29.573 min Scan# 4441
Delta R.T. -0.020 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01

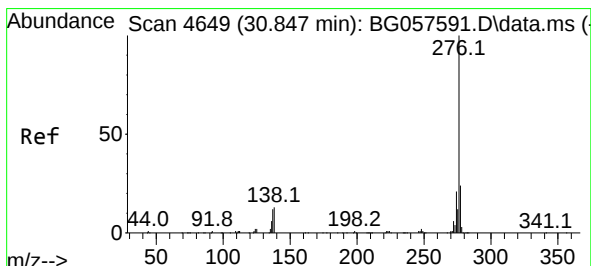
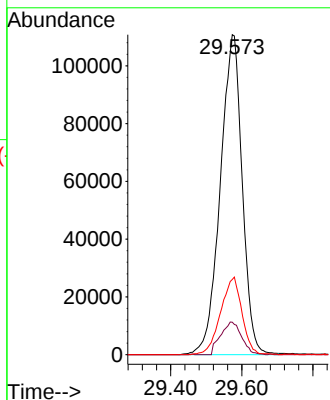
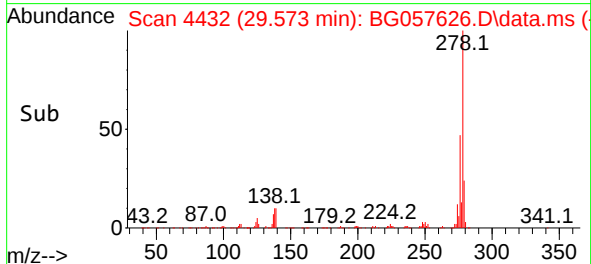
Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD



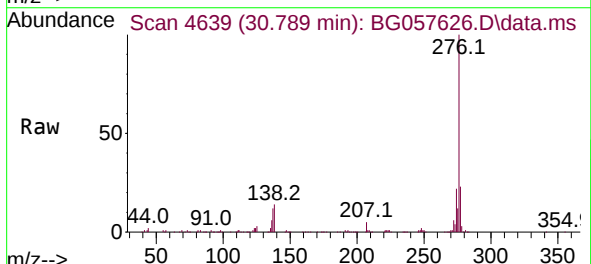
Tgt Ion:278 Resp: 473725
Ion Ratio Lower Upper
278 100
139 10.2 7.8 11.8
279 23.5 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#92
Benzo(g,h,i)perylene
Concen: 48.646 ng
RT: 30.789 min Scan# 4639
Delta R.T. -0.020 min
Lab File: BG057626.D
Acq: 31 May 2023 18:01



Tgt Ion:276 Resp: 459307
Ion Ratio Lower Upper
276 100
277 23.3 18.9 28.3
138 13.7 10.2 15.4

