

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072324\
 Data File : BF138611.D
 Acq On : 23 Jul 2024 11:25
 Operator : RC/JU
 Sample : PB162188BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162188BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 23 11:58:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	91789	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	376167	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	202787	20.000	ng	-0.01
64) Phenanthrene-d10	11.380	188	340177	20.000	ng	0.00
76) Chrysene-d12	14.016	240	166767	20.000	ng	-0.01
86) Perylene-d12	15.474	264	161601	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	734718	126.771	ng	0.00
7) Phenol-d6	6.498	99	986752	127.985	ng	0.00
23) Nitrobenzene-d5	7.422	82	650403	84.891	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	235365	124.187	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1095105	84.401	ng	-0.01
79) Terphenyl-d14	12.963	244	1031652	100.780	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	95678	37.275	ng	99
3) Pyridine	3.481	79	261620	41.330	ng	95
4) n-Nitrosodimethylamine	3.446	42	191146	46.386	ng	92
6) Aniline	6.522	93	256300	35.491	ng	# 64
8) 2-Chlorophenol	6.645	128	298331	48.681	ng	99
9) Benzaldehyde	6.404	77	25861	6.267	ng	98
10) Phenol	6.510	94	389954	47.650	ng	90
11) bis(2-Chloroethyl)ether	6.593	93	297424	48.271	ng	98
12) 1,3-Dichlorobenzene	6.792	146	307924	44.701	ng	97
13) 1,4-Dichlorobenzene	6.875	146	310807	44.432	ng	99
14) 1,2-Dichlorobenzene	7.022	146	295977	45.430	ng	96
15) Benzyl Alcohol	6.998	79	278251	48.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.128	45	539017	44.485	ng	83
17) 2-Methylphenol	7.116	107	243115	48.405	ng	# 91
18) Hexachloroethane	7.363	117	119348	46.410	ng	95
19) n-Nitroso-di-n-propyla...	7.269	70	229816	48.240	ng	95
20) 3+4-Methylphenols	7.269	107	300664	47.539	ng	# 89
22) Acetophenone	7.263	105	389151	42.595	ng	98
24) Nitrobenzene	7.439	77	342101	43.939	ng	97
25) Isophorone	7.675	82	619512	47.085	ng	100
26) 2-Nitrophenol	7.751	139	158580	47.521	ng	93
27) 2,4-Dimethylphenol	7.792	122	205700m	50.154	ng	
28) bis(2-Chloroethoxy)met...	7.887	93	368064	46.808	ng	98
29) 2,4-Dichlorophenol	7.998	162	241615	45.365	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	263864	42.528	ng	99
31) Naphthalene	8.157	128	875929	44.773	ng	99
32) Benzoic acid	7.928	122	137419	35.129	ng	93
33) 4-Chloroaniline	8.210	127	166614	24.273	ng	98
34) Hexachlorobutadiene	8.269	225	154915	40.547	ng	100
35) Caprolactam	8.586	113	72840m	42.382	ng	
36) 4-Chloro-3-methylphenol	8.698	107	275837	46.261	ng	99
37) 2-Methylnaphthalene	8.851	142	559514	44.442	ng	99
38) 1-Methylnaphthalene	8.951	142	514612	41.882	ng	98
40) 1,2,4,5-Tetrachloroben...	9.016	216	229385	40.586	ng	98
41) Hexachlorocyclopentadiene	8.998	237	220930	120.433	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	158228	43.889	ng	100

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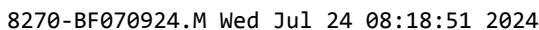
Quant Time: Jul 23 11:58:07 2024
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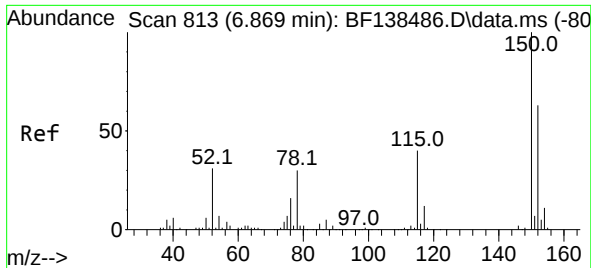
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	164596	41.510	ng	96
46) 1,1'-Biphenyl	9.316	154	647874	42.157	ng	99
47) 2-Chloronaphthalene	9.339	162	512381	44.133	ng	99
48) 2-Nitroaniline	9.439	65	192684	47.893	ng	95
49) Acenaphthylene	9.757	152	809823	49.130	ng	100
50) Dimethylphthalate	9.616	163	603033	45.989	ng	100
51) 2,6-Dinitrotoluene	9.681	165	133991	44.381	ng	89
52) Acenaphthene	9.928	154	500838	45.710	ng	99
53) 3-Nitroaniline	9.851	138	89591	28.952	ng	93
54) 2,4-Dinitrophenol	9.963	184	121700	75.393	ng	93
55) Dibenzofuran	10.098	168	710734	44.721	ng	99
56) 4-Nitrophenol	10.022	139	186565	81.711	ng	99
57) 2,4-Dinitrotoluene	10.086	165	179108	45.850	ng	94
58) Fluorene	10.439	166	563746	44.831	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	135256	43.221	ng	96
60) Diethylphthalate	10.316	149	566928	44.848	ng	100
61) 4-Chlorophenyl-phenyle...	10.433	204	270107	42.776	ng	95
62) 4-Nitroaniline	10.469	138	134193	43.276	ng	98
63) Azobenzene	10.592	77	639819	47.077	ng	98
65) 4,6-Dinitro-2-methylph...	10.498	198	95581	48.661	ng	85
66) n-Nitrosodiphenylamine	10.557	169	480948	47.189	ng	98
67) 4-Bromophenyl-phenylether	10.922	248	159636	45.657	ng	99
68) Hexachlorobenzene	10.986	284	177229	45.628	ng	97
69) Atrazine	11.080	200	145019	42.917	ng	97
70) Pentachlorophenol	11.186	266	182034	79.200	ng	96
71) Phenanthrene	11.404	178	801107	46.614	ng	99
72) Anthracene	11.457	178	813947	47.711	ng	99
73) Carbazole	11.610	167	711886	46.434	ng	100
74) Di-n-butylphthalate	11.933	149	839806	47.522	ng	100
75) Fluoranthene	12.592	202	778671	44.403	ng	98
77) Benzidine	12.710	184	137791	32.749	ng	100
78) Pyrene	12.822	202	777700	45.939	ng	99
80) Butylbenzylphthalate	13.433	149	274068	53.817	ng	97
81) Benzo(a)anthracene	14.004	228	539631	48.224	ng	100
82) 3,3'-Dichlorobenzidine	13.969	252	95698	33.189	ng	98
83) Chrysene	14.045	228	494487	46.712	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	303269	55.837	ng	98
85) Di-n-octyl phthalate	14.598	149	416951	48.595	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	529808	48.809	ng	99
88) Benzo(b)fluoranthene	15.051	252	410081	45.059	ng	99
89) Benzo(k)fluoranthene	15.080	252	415876	46.854	ng	99
90) Benzo(a)pyrene	15.415	252	394220	49.310	ng	100
91) Dibenzo(a,h)anthracene	16.962	278	422940	47.632	ng	98
92) Benzo(g,h,i)perylene	17.392	276	420633	44.674	ng	97

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

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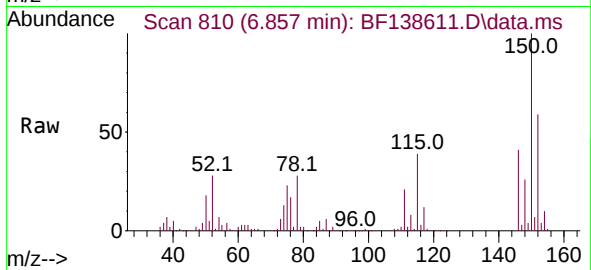
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

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PB162188BS

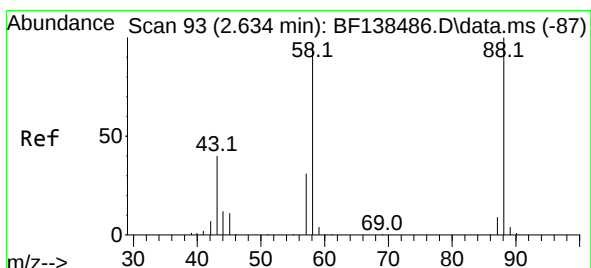
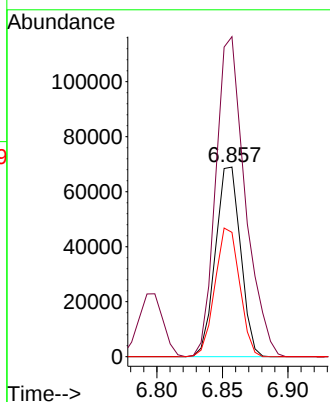
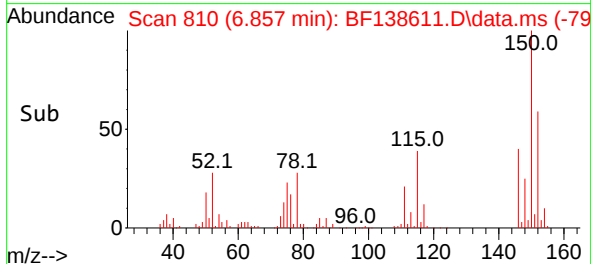


Tgt Ion:152 Resp: 91789
Ion Ratio Lower Upper
152 100
150 168.8 126.2 189.4
115 65.6 50.3 75.5

Manual Integrations

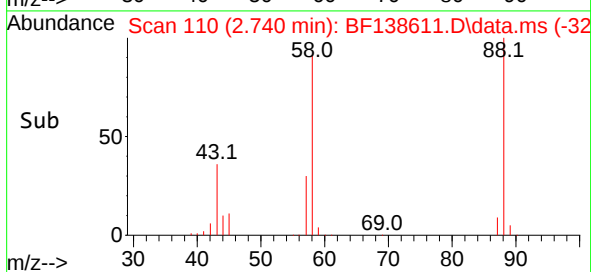
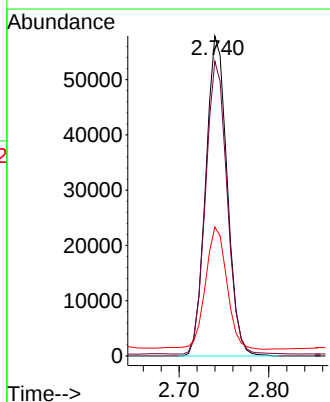
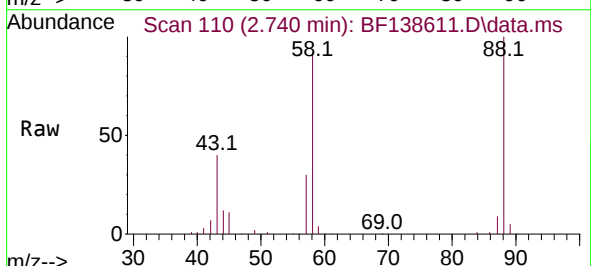
APPROVED

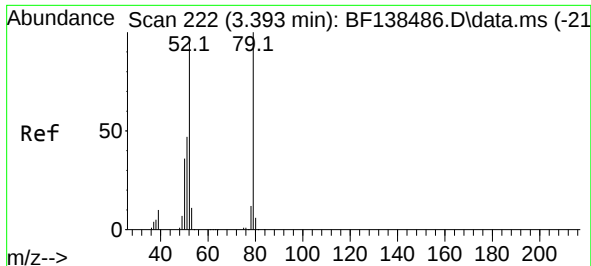
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#2
1,4-Dioxane
Concen: 37.275 ng
RT: 2.740 min Scan# 110
Delta R.T. 0.106 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion: 88 Resp: 95678
Ion Ratio Lower Upper
88 100
58 92.2 74.6 112.0
43 38.9 31.8 47.6





#3

Pyridine

Concen: 41.330 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion: 79 Resp: 261620

Ion Ratio Lower Upper

79 100

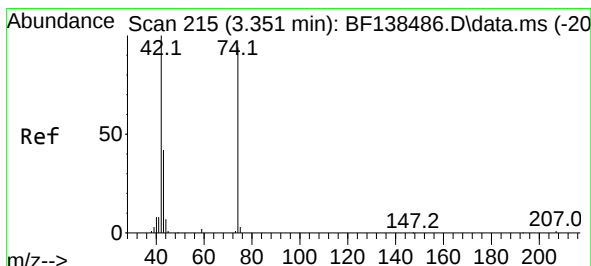
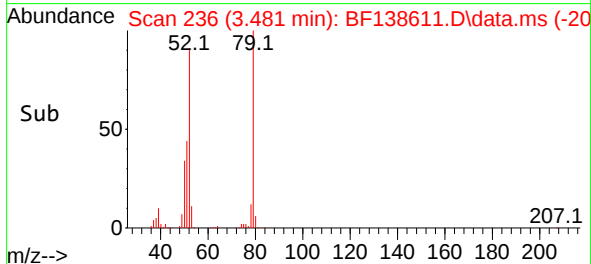
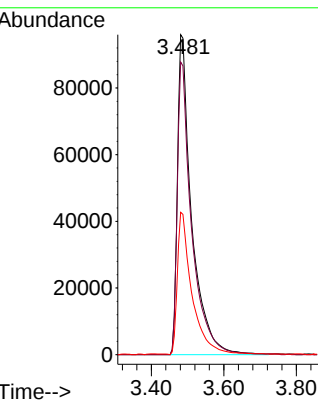
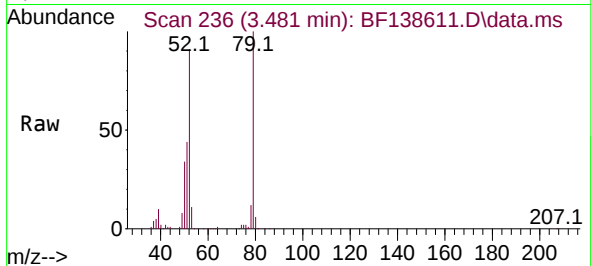
52 91.4 77.4 116.2

51 44.5 37.4 56.0

Manual Integrations

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Supervised By :mohammad ahmed 07/30/2024



#4

n-Nitrosodimethylamine

Concen: 46.386 ng

RT: 3.446 min Scan# 230

Delta R.T. 0.094 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

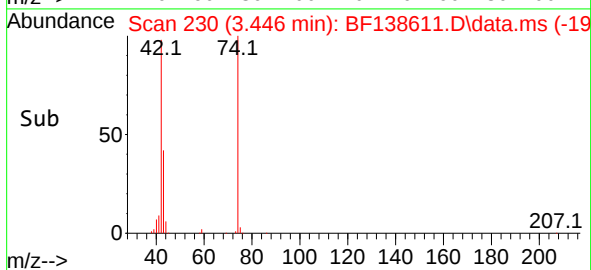
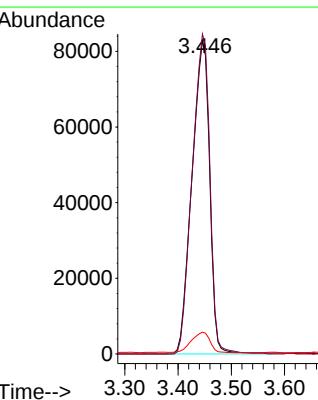
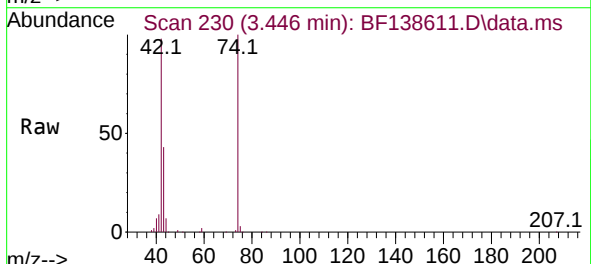
Tgt Ion: 42 Resp: 191146

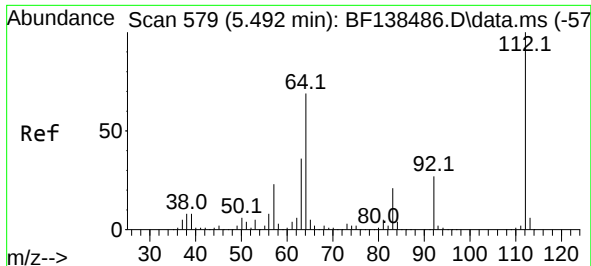
Ion Ratio Lower Upper

42 100

74 102.2 75.0 112.6

44 7.0 5.4 8.2





#5
2-Fluorophenol
Concen: 126.771 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

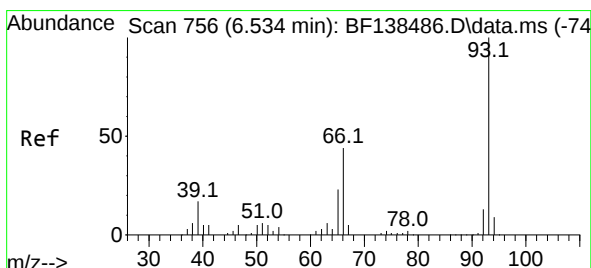
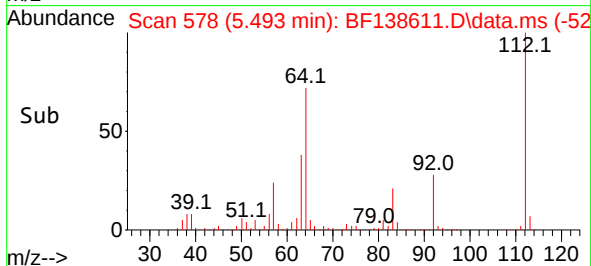
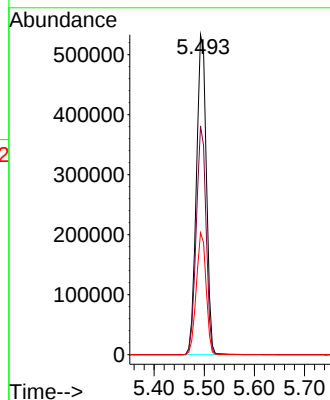
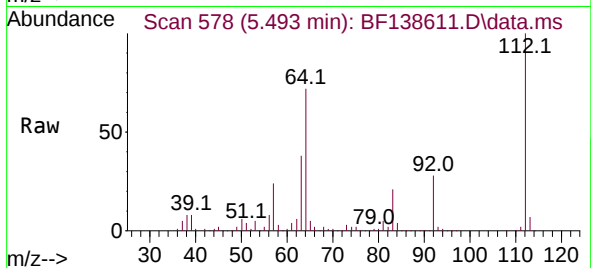
PB162188BS

Tgt Ion:112 Resp: 734718
Ion Ratio Lower Upper
112 100
64 71.5 55.1 82.7
63 38.1 29.0 43.6

Manual Integrations

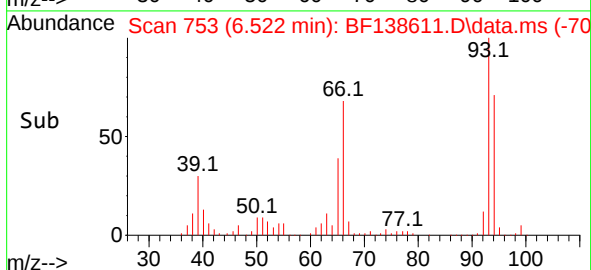
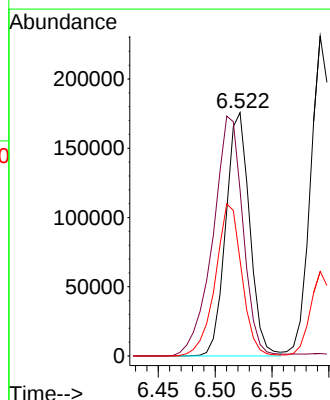
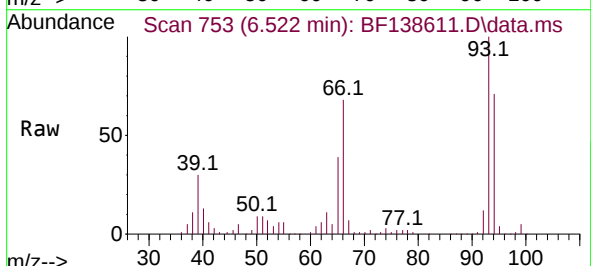
APPROVED

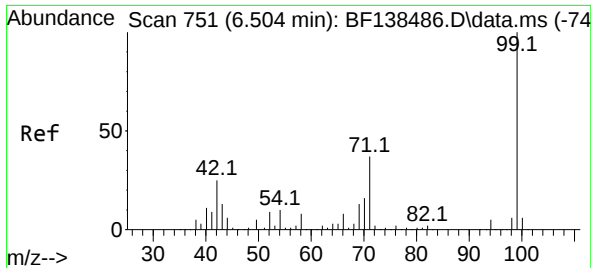
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#6
Aniline
Concen: 35.491 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF138611.D
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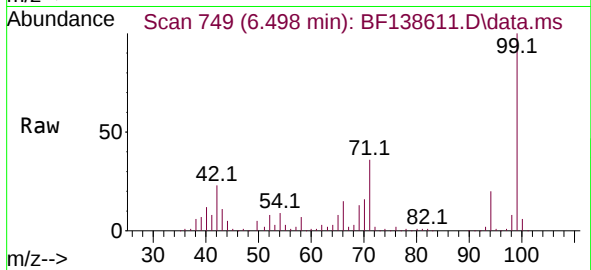
Tgt Ion: 93 Resp: 256300
Ion Ratio Lower Upper
93 100
66 68.2 35.4 53.0#
65 39.3 18.6 27.8#





#7
Phenol-d6
Concen: 127.985 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

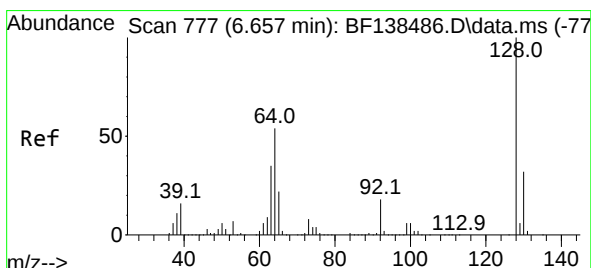
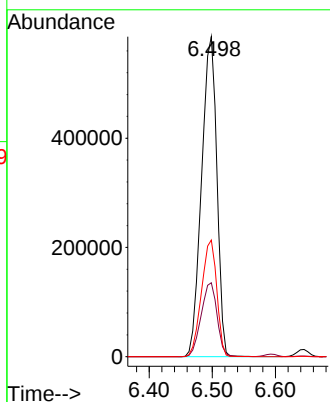
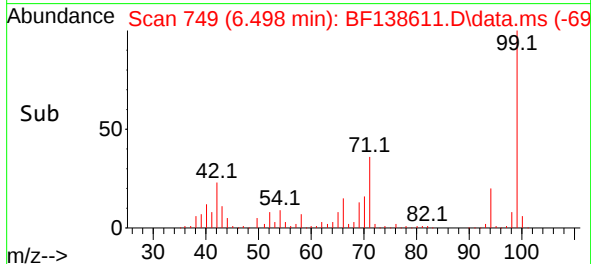
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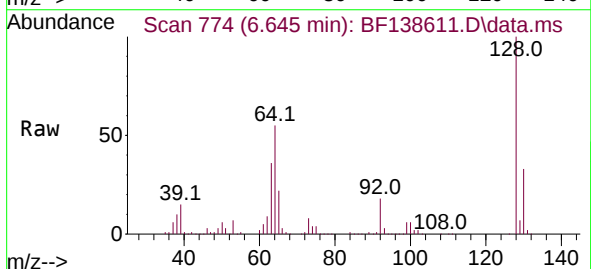
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Ion Ratio Lower Upper
99 100
42 23.1 19.7 29.5
71 36.5 29.9 44.9

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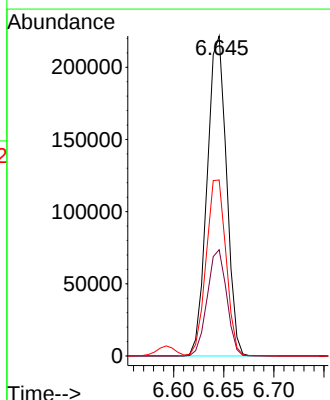
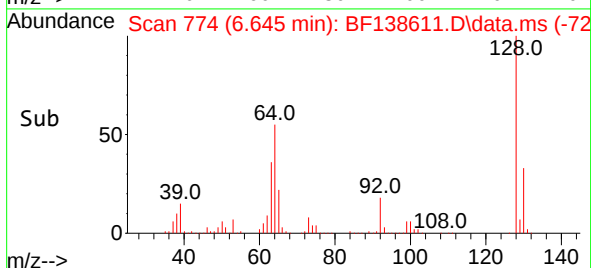
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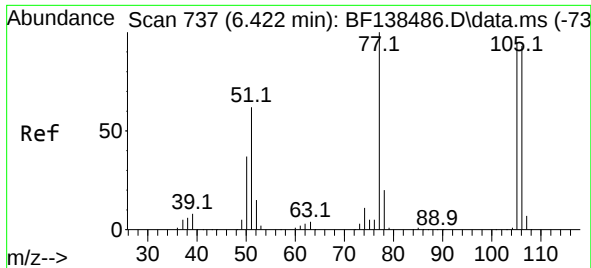


#8
2-Chlorophenol
Concen: 48.681 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25



Tgt Ion:128 Resp: 298331
Ion Ratio Lower Upper
128 100
130 33.2 12.1 52.1
64 55.0 34.4 74.4





#9
Benzaldehyde
Concen: 6.267 ng
RT: 6.404 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF138611.D
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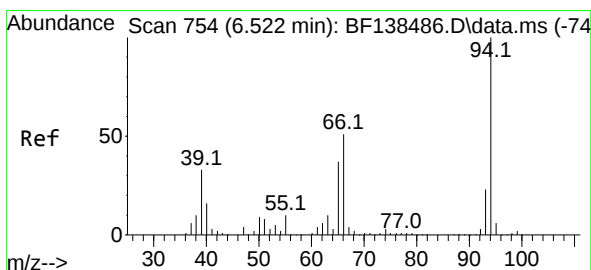
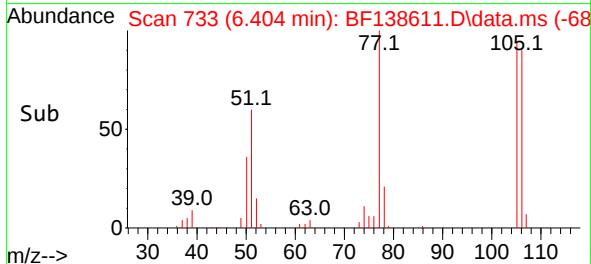
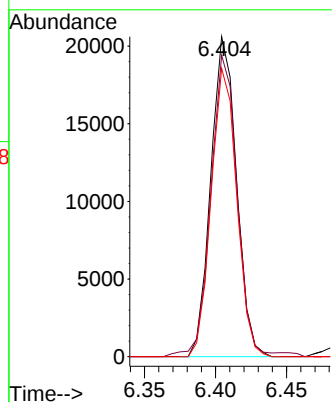
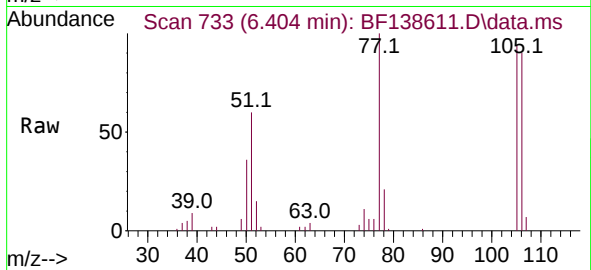
PB162188BS

Tgt Ion: 77 Resp: 2586
Ion Ratio Lower Upper
77 100
105 94.2 75.1 115.1
106 90.1 73.2 113.2

Manual Integrations

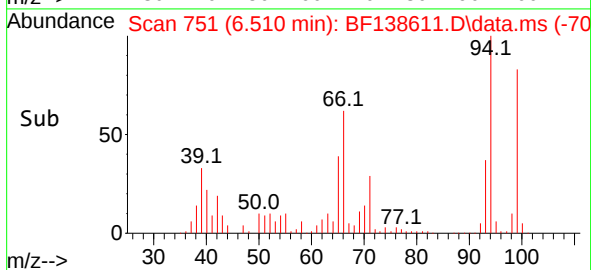
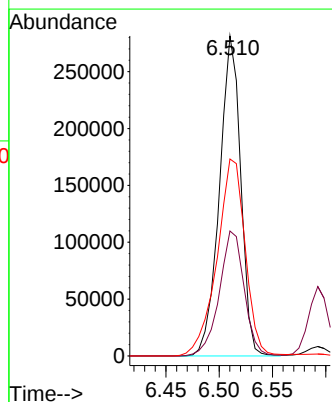
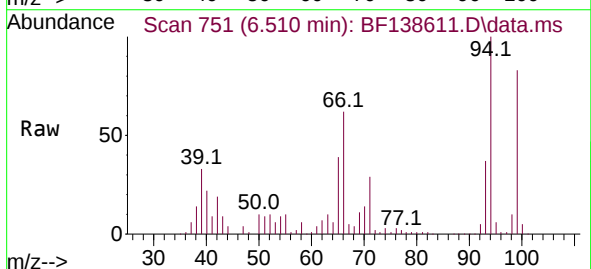
APPROVED

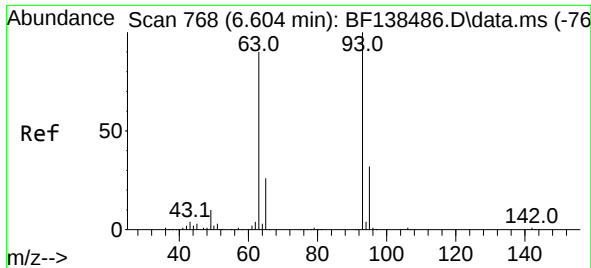
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#10
Phenol
Concen: 47.650 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion: 94 Resp: 389954
Ion Ratio Lower Upper
94 100
65 39.0 16.7 56.7
66 61.5 31.2 71.2





#11
bis(2-Chloroethyl)ether
Concen: 48.271 ng
RT: 6.593 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

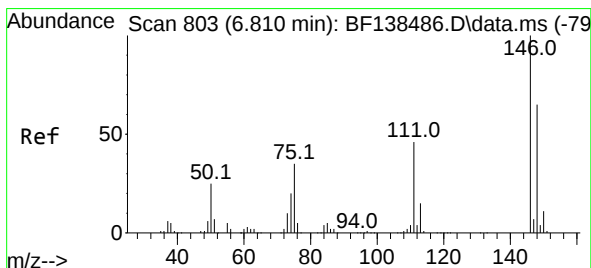
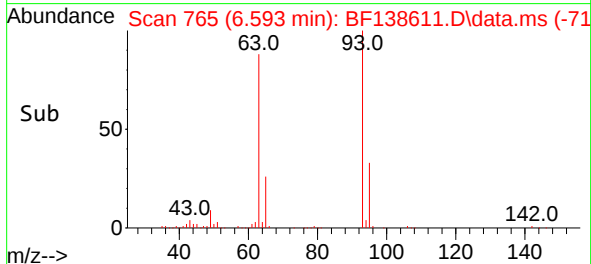
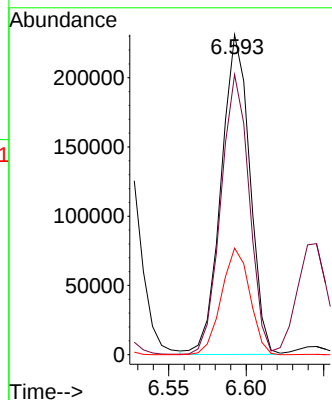
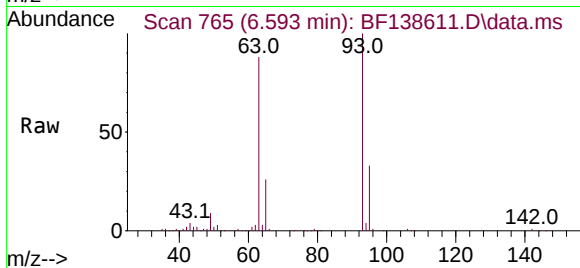
ClientSampleId :

PB162188BS

Tgt Ion: 93 Resp: 297424
Ion Ratio Lower Upper
93 100
63 87.5 68.8 108.8
95 33.3 11.8 51.8

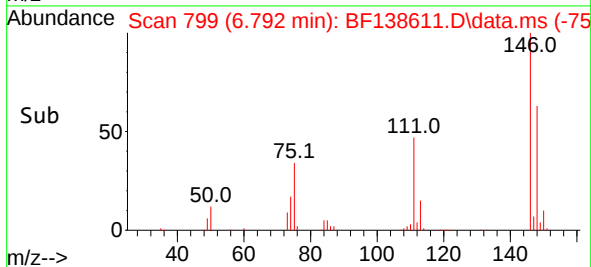
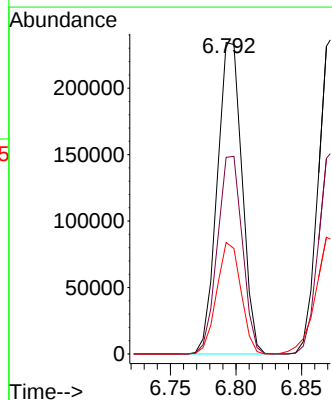
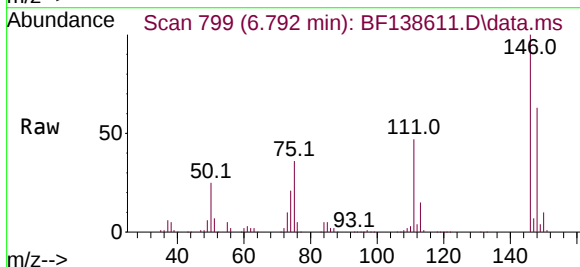
Manual Integrations
APPROVED

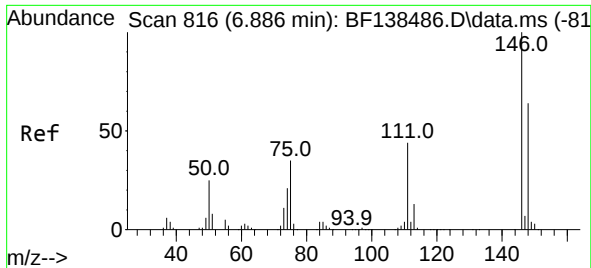
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#12
1,3-Dichlorobenzene
Concen: 44.701 ng
RT: 6.792 min Scan# 799
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:146 Resp: 307924
Ion Ratio Lower Upper
146 100
148 63.2 52.4 78.6
75 35.8 27.8 41.8





#13
1,4-Dichlorobenzene
Concen: 44.432 ng
RT: 6.875 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

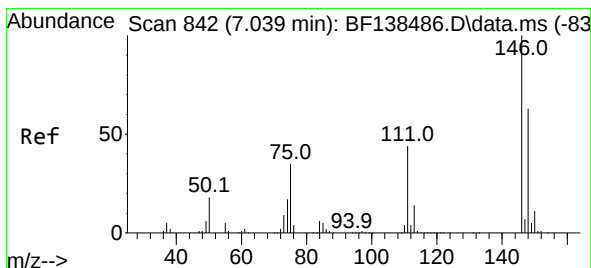
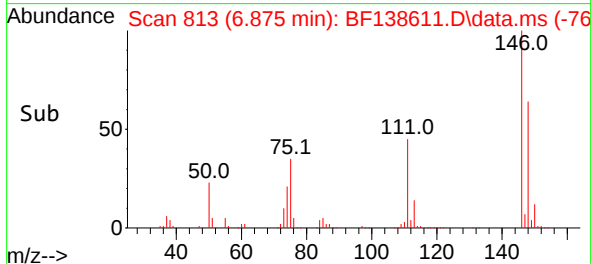
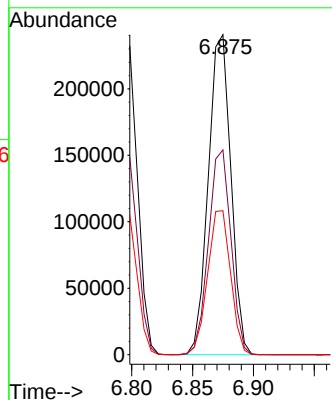
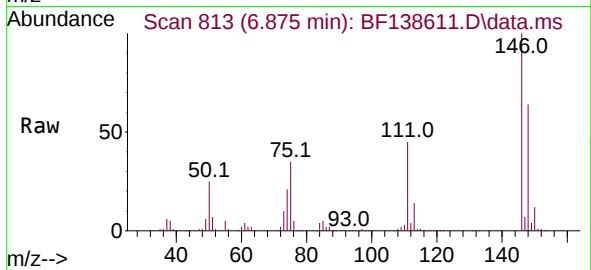
ClientSampleId :

PB162188BS

Tgt Ion:146 Resp: 31080
Ion Ratio Lower Upper
146 100
148 64.0 51.6 77.4
111 45.0 34.9 52.3

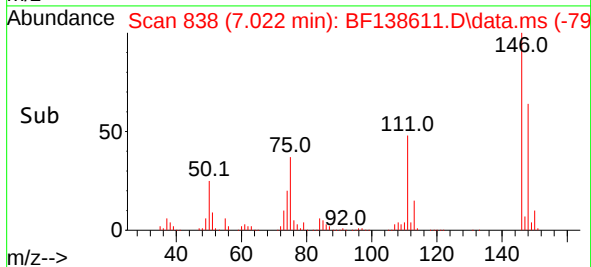
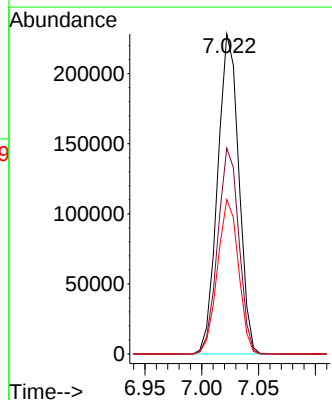
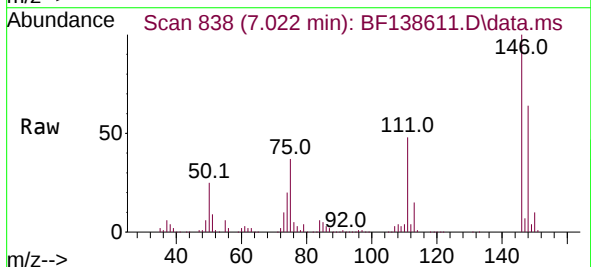
Manual Integrations
APPROVED

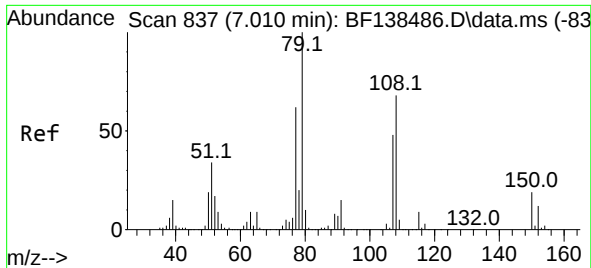
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#14
1,2-Dichlorobenzene
Concen: 45.430 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

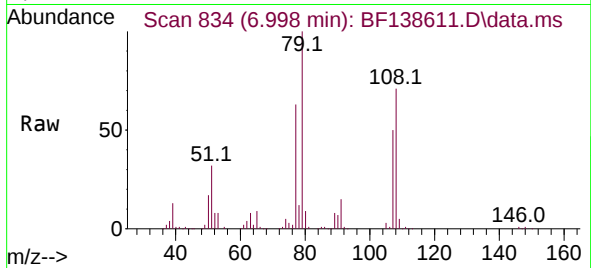
Tgt Ion:146 Resp: 295977
Ion Ratio Lower Upper
146 100
148 64.3 50.1 75.1
111 48.2 35.5 53.3





#15
Benzyl Alcohol
Concen: 48.090 ng
RT: 6.998 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

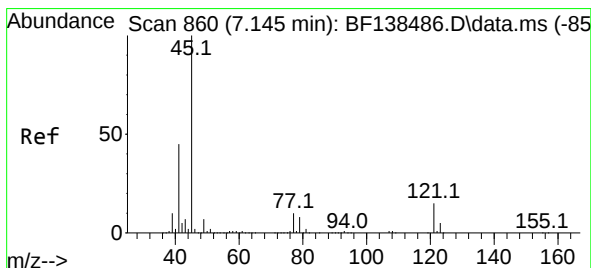
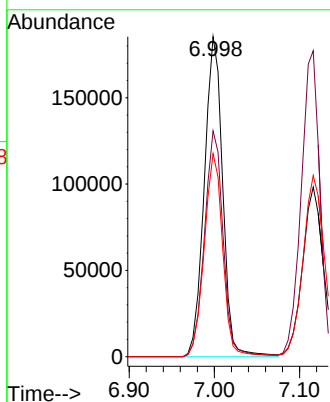
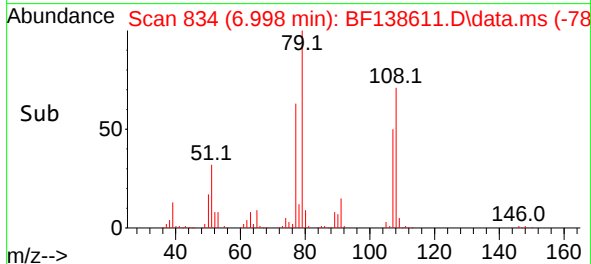
Instrument :
BNA_F
ClientSampleId :
PB162188BS



Tgt Ion: 79 Resp: 27825
Ion Ratio Lower Upper
79 100
108 70.6 54.3 81.5
77 63.4 50.0 75.0

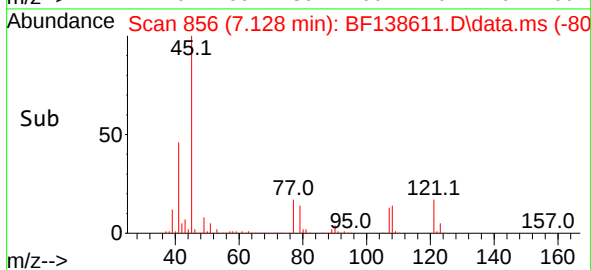
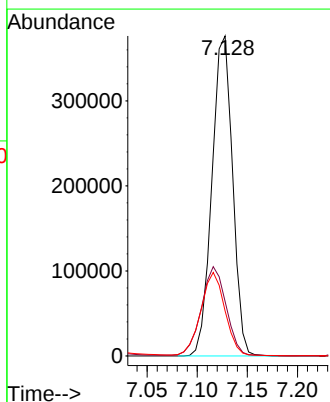
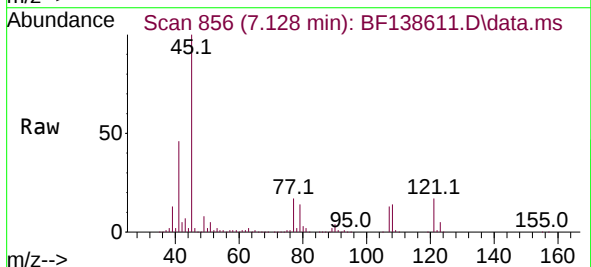
Manual Integrations
APPROVED

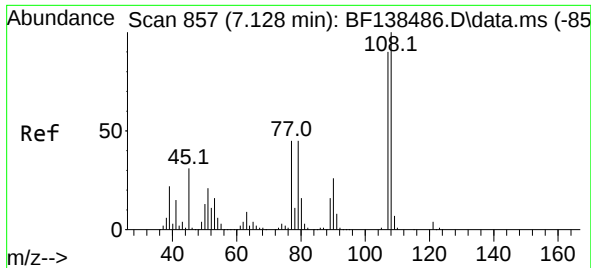
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.485 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion: 45 Resp: 539017
Ion Ratio Lower Upper
45 100
77 17.1 0.0 30.4
79 14.1 0.0 28.1





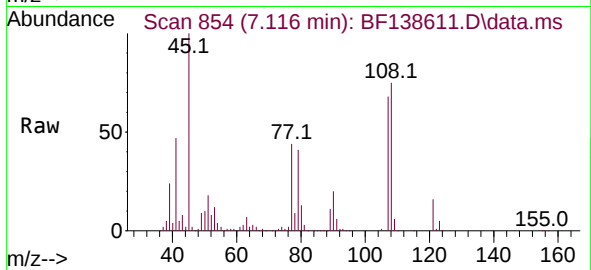
#17
2-Methylphenol
Concen: 48.405 ng
RT: 7.116 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

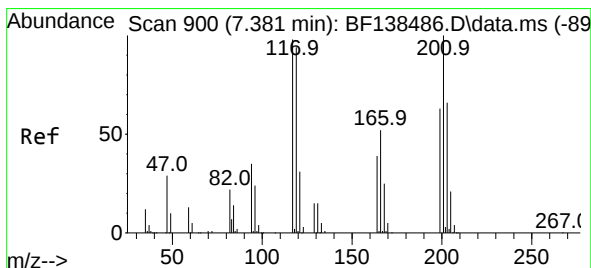
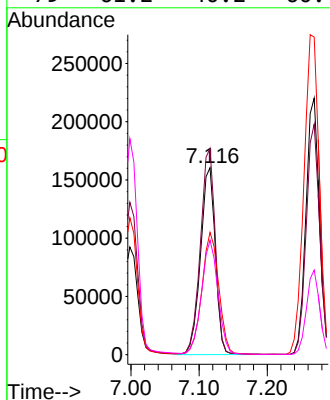
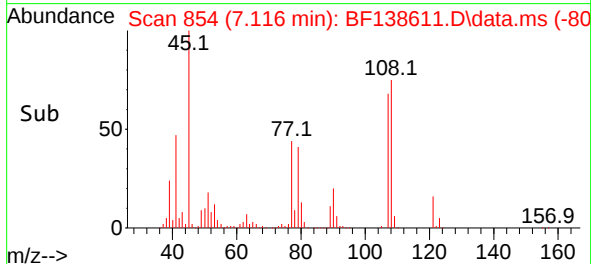


Tgt Ion:107 Resp: 24311
Ion Ratio Lower Upper
107 100
108 110.4 89.0 133.4
77 65.4 40.3 60.5
79 61.2 40.2 60.4#

Manual Integrations

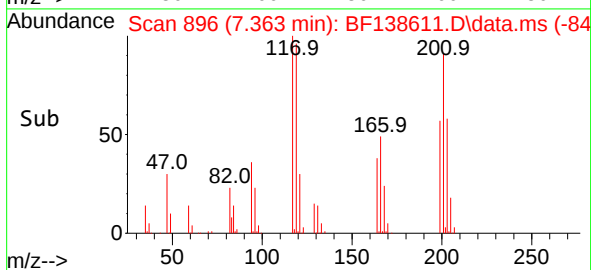
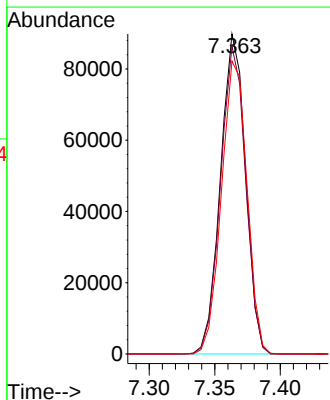
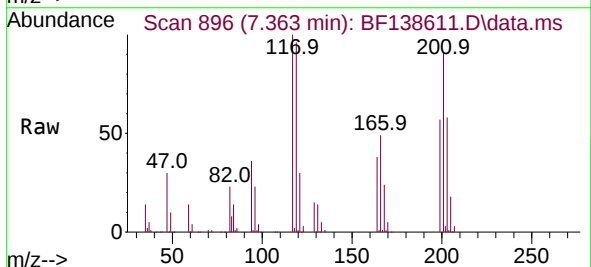
APPROVED

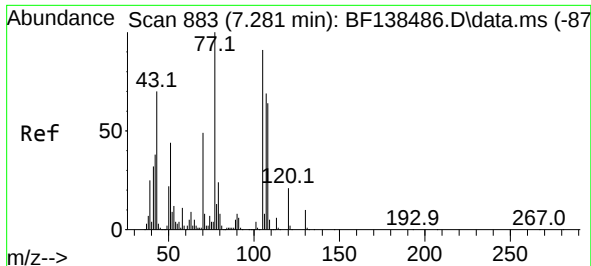
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#18
Hexachloroethane
Concen: 46.410 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:117 Resp: 119348
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8
201 91.5 81.4 122.0





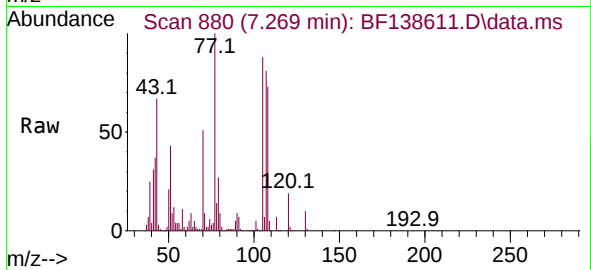
#19
n-Nitroso-di-n-propylamine
Concen: 48.240 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

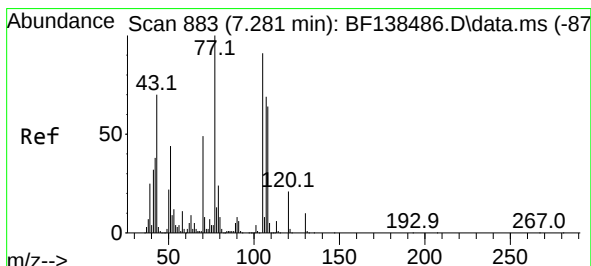
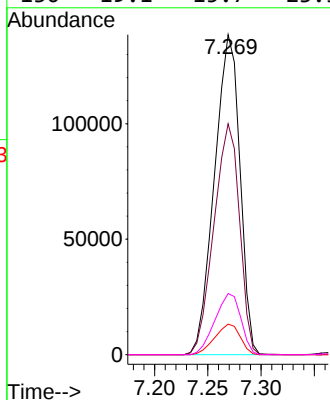
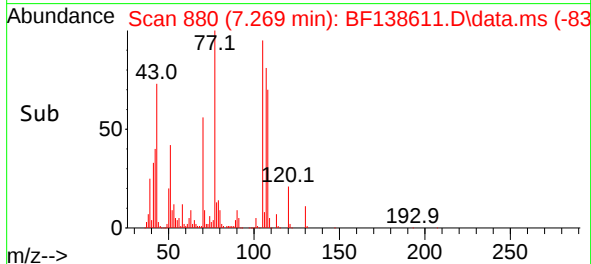


Tgt Ion: 70 Resp: 229810
Ion Ratio Lower Upper
70 100
42 72.1 62.4 93.6
101 9.5 7.2 10.8
130 19.1 15.7 23.5

Manual Integrations

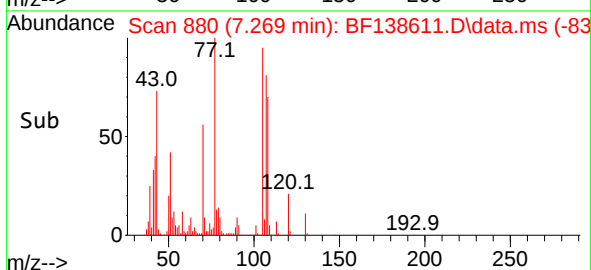
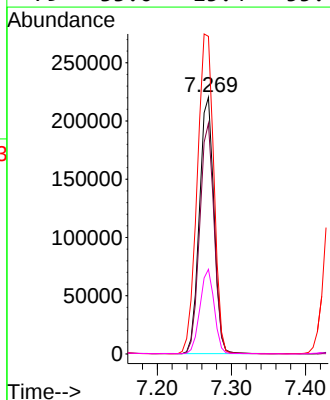
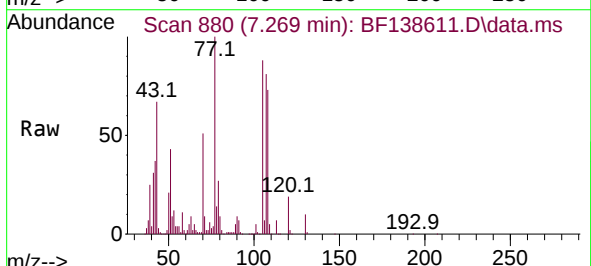
APPROVED

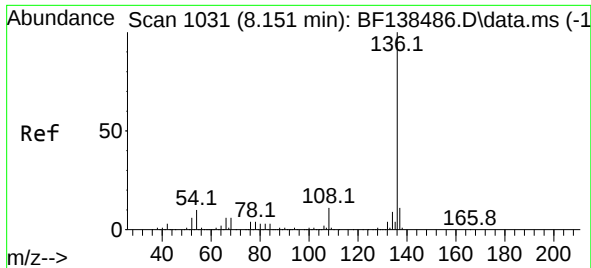
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#20
3+4-Methylphenols
Concen: 47.539 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:107 Resp: 300664
Ion Ratio Lower Upper
107 100
108 89.8 73.7 113.7
77 123.7 126.0 166.0#
79 33.0 15.4 55.4





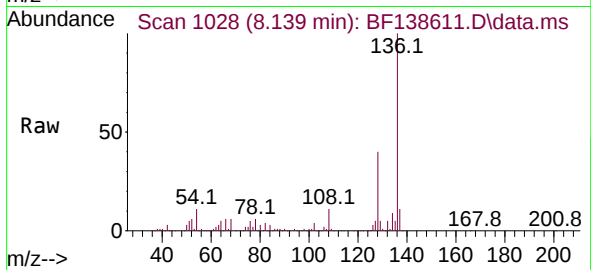
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

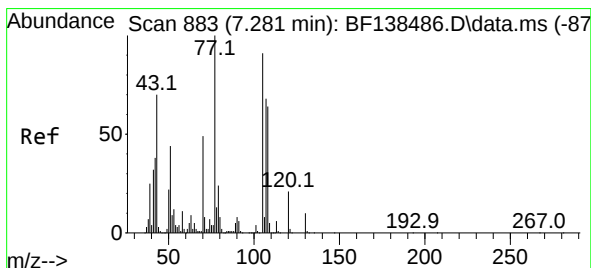
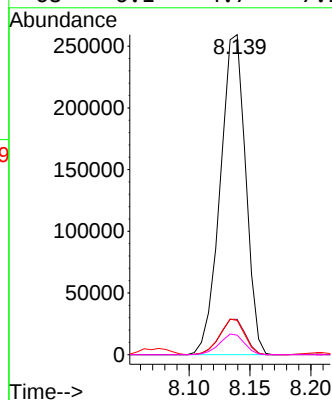
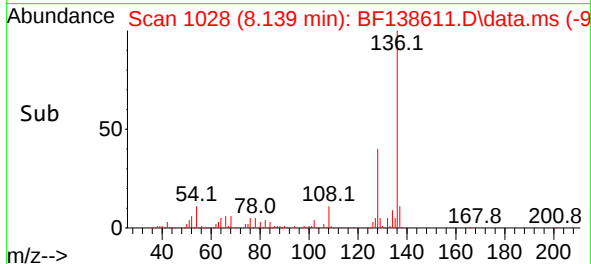


Tgt Ion:136 Resp: 37616
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.7 8.1 12.1
68 6.1 4.7 7.1

Manual Integrations

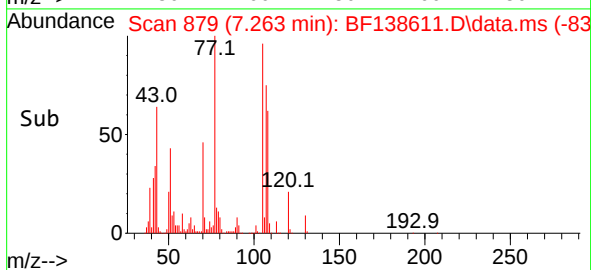
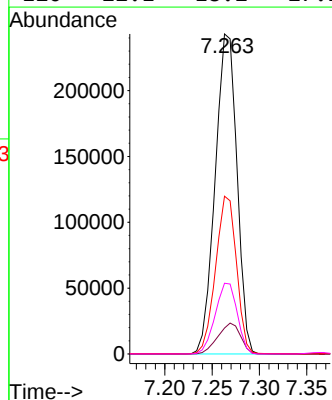
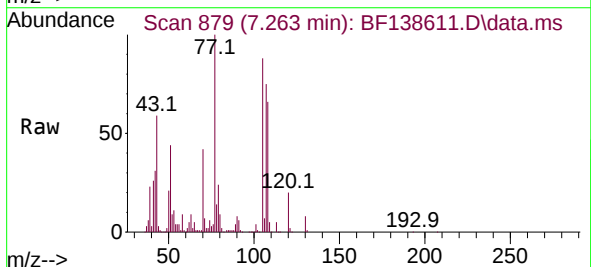
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#22
Acetophenone
Concen: 42.595 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:105 Resp: 389151
Ion Ratio Lower Upper
105 100
71 8.1 7.4 11.2
51 49.3 38.7 58.1
120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.891 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

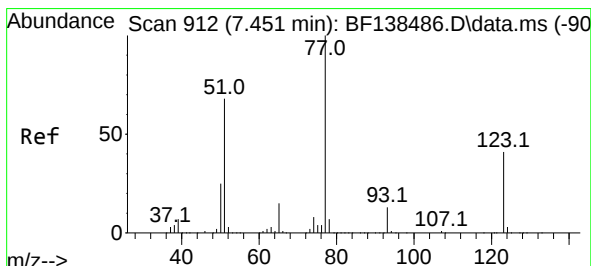
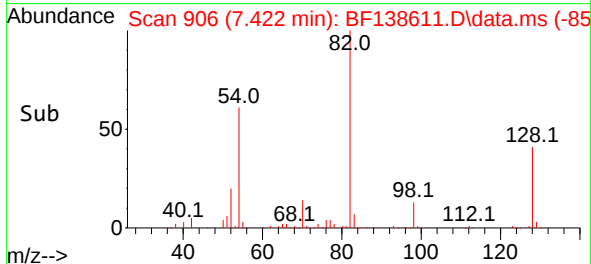
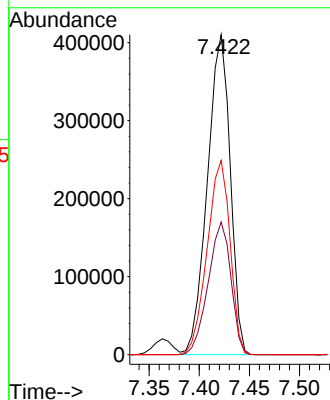
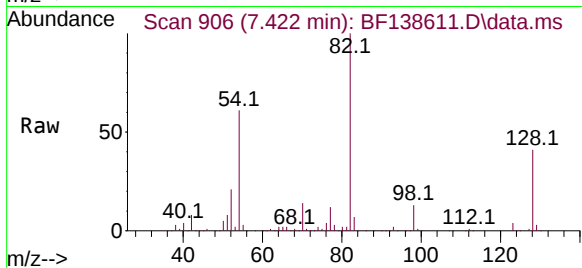
ClientSampleId :

PB162188BS

Tgt Ion: 82 Resp: 650400
 Ion Ratio Lower Upper
 82 100
 128 41.5 32.3 48.5
 54 60.7 51.4 77.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024



#24

Nitrobenzene

Concen: 43.939 ng

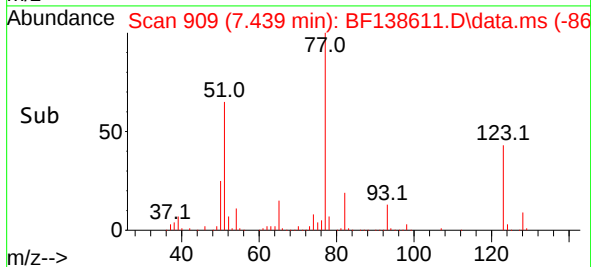
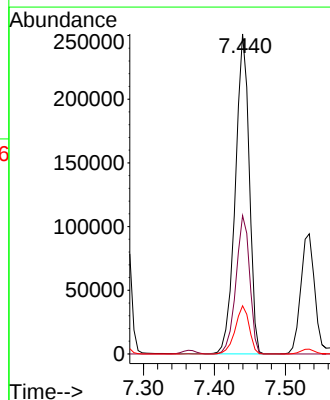
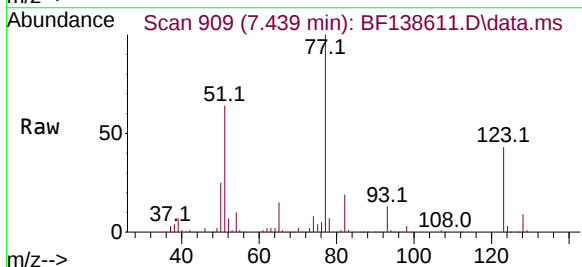
RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Tgt Ion: 77 Resp: 342101
 Ion Ratio Lower Upper
 77 100
 123 43.2 32.4 48.6
 65 15.1 11.8 17.8





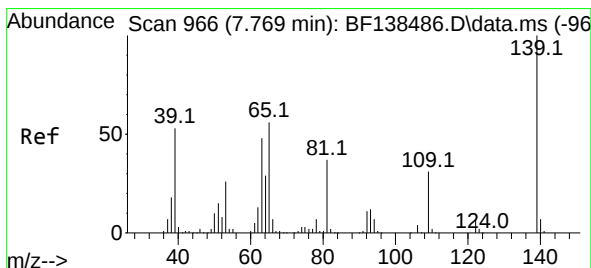
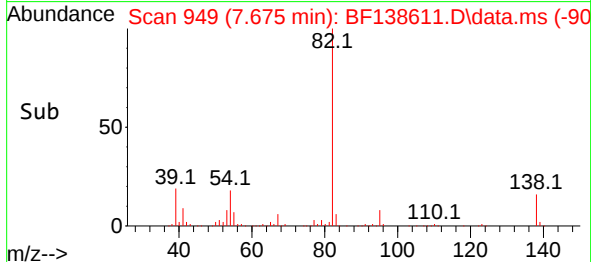
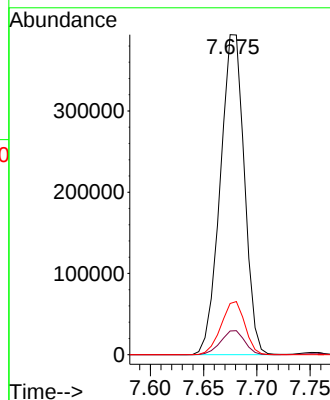
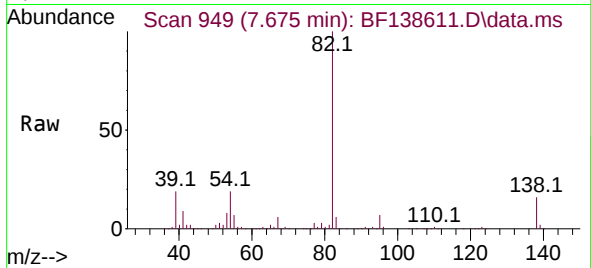
#25
Isophorone
Concen: 47.085 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :
BNA_F
ClientSampleId :
PB162188BS

Tgt Ion: 82 Resp: 61951
Ion Ratio Lower Upper
82 100
95 7.4 6.0 9.0
138 16.0 12.8 19.2

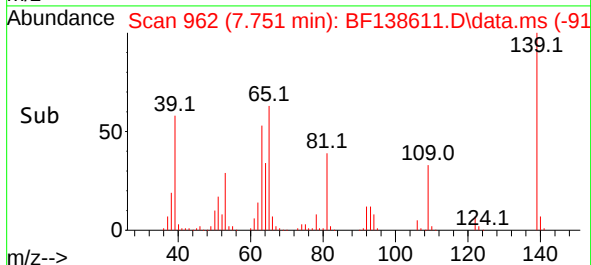
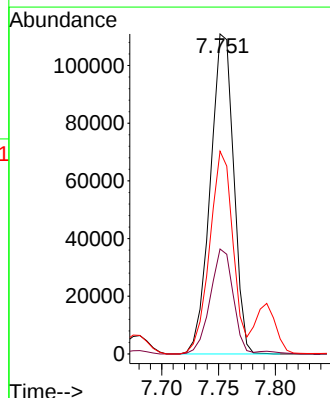
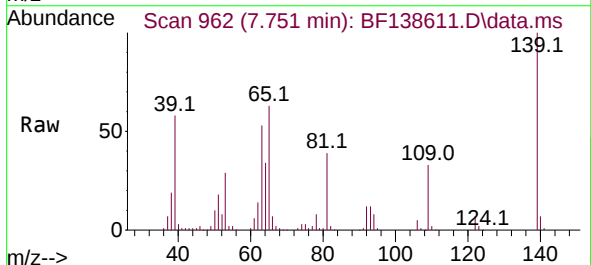
Manual Integrations
APPROVED

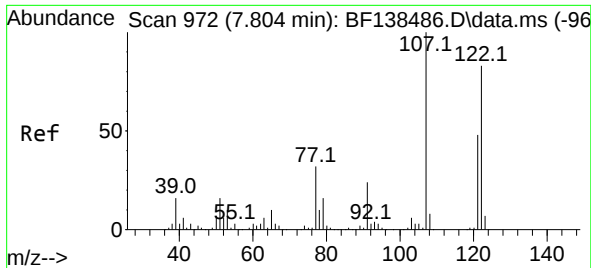
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#26
2-Nitrophenol
Concen: 47.521 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:139 Resp: 158580
Ion Ratio Lower Upper
139 100
109 32.8 24.8 37.2
65 63.4 45.1 67.7





#27
2,4-Dimethylphenol
Concen: 50.154 ng m
RT: 7.792 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

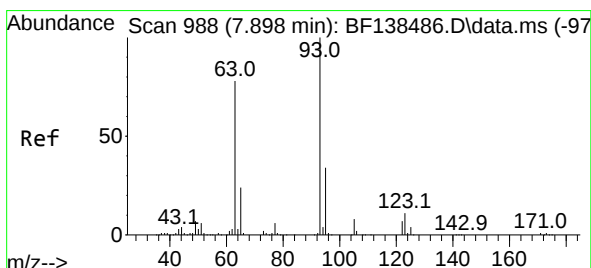
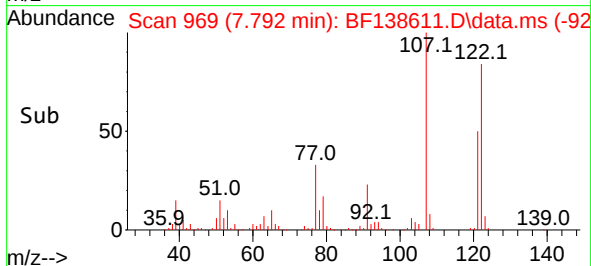
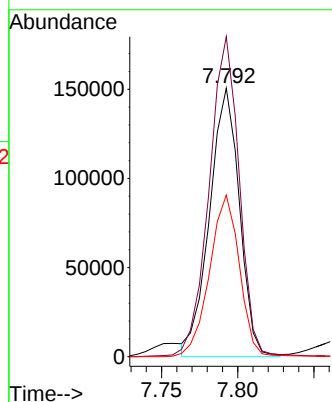
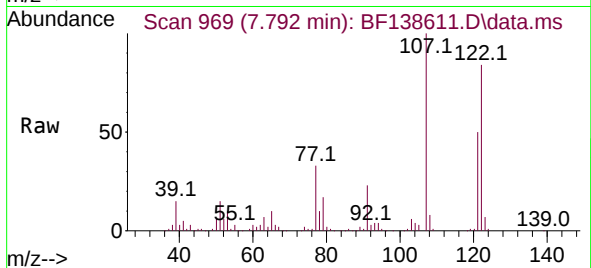
PB162188BS

Tgt Ion:122 Resp: 205700
Ion Ratio Lower Upper
122 100
107 119.1 96.3 144.5
121 60.1 46.7 70.1

Manual Integrations

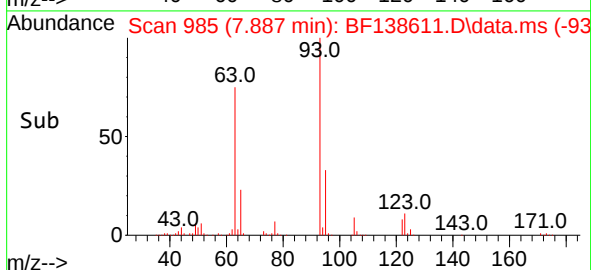
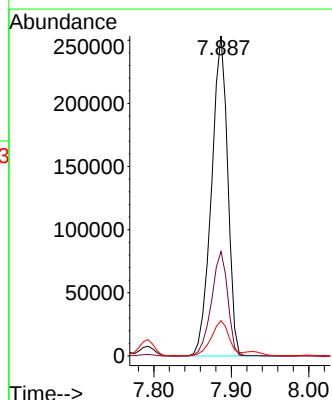
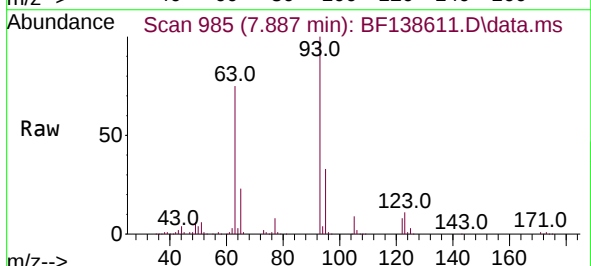
APPROVED

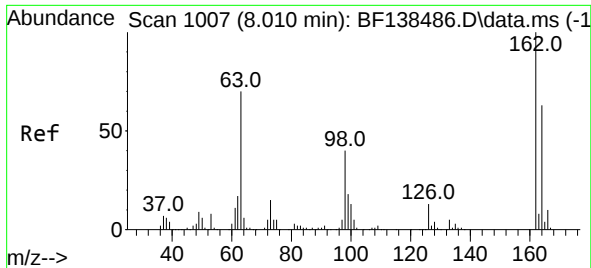
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#28
bis(2-Chloroethoxy)methane
Concen: 46.808 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion: 93 Resp: 368064
Ion Ratio Lower Upper
93 100
95 32.7 27.0 40.6
123 11.0 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 45.365 ng
RT: 7.998 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

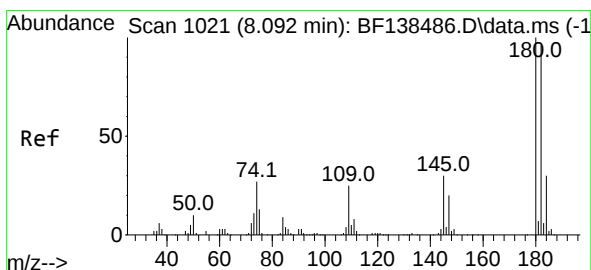
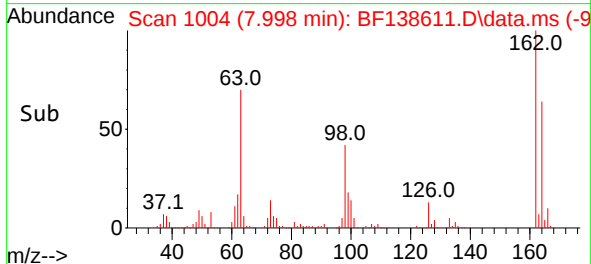
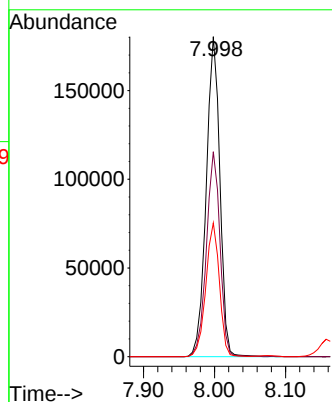
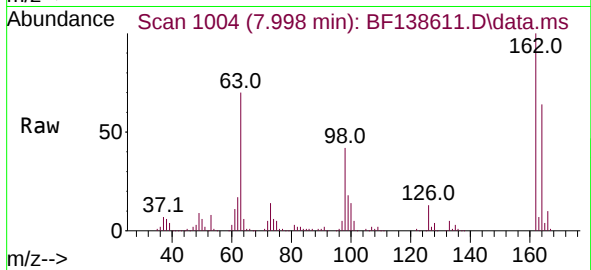
PB162188BS

Tgt Ion:162 Resp: 24161
Ion Ratio Lower Upper
162 100
164 64.1 42.6 82.6
98 41.8 20.1 60.1

Manual Integrations

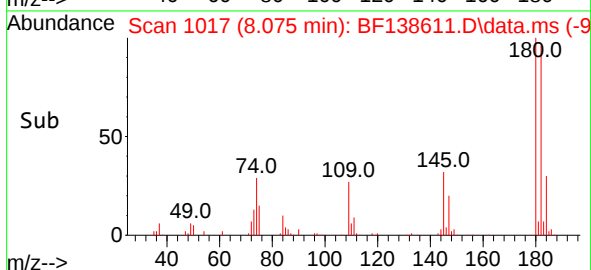
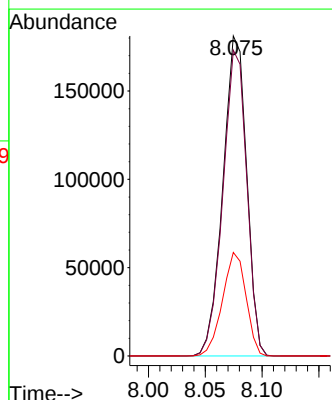
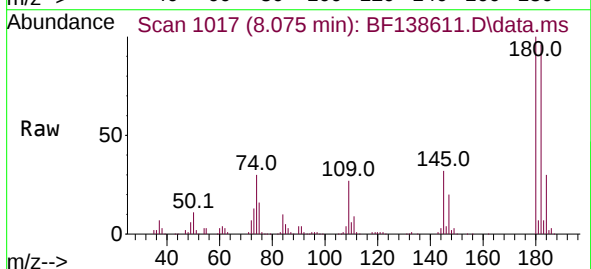
APPROVED

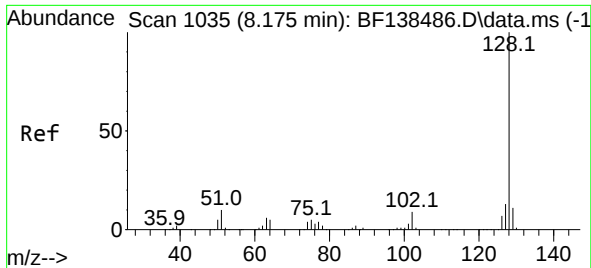
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#30
1,2,4-Trichlorobenzene
Concen: 42.528 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:180 Resp: 263864
Ion Ratio Lower Upper
180 100
182 95.5 76.9 115.3
145 32.3 23.9 35.9





#31
Naphthalene
Concen: 44.773 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

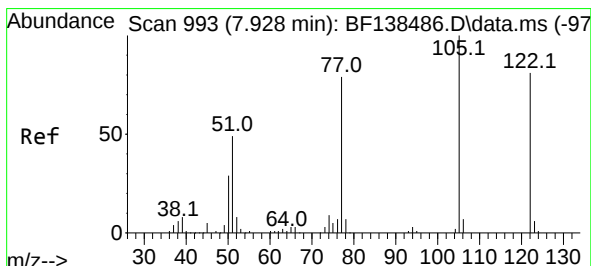
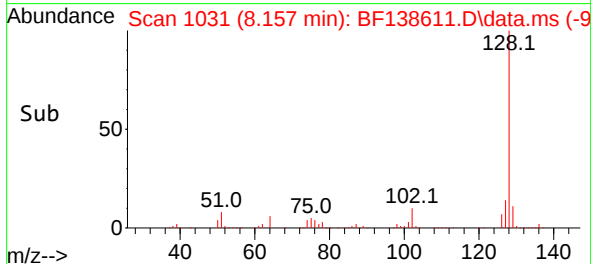
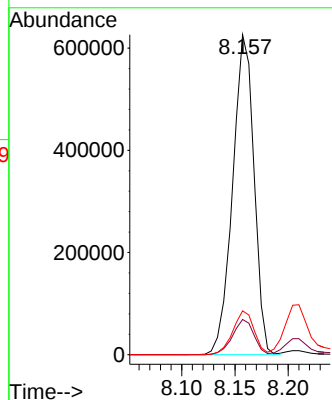
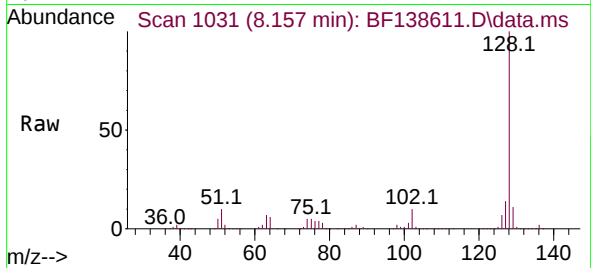
PB162188BS

Tgt Ion:128 Resp: 875929
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.7 16.1

Manual Integrations

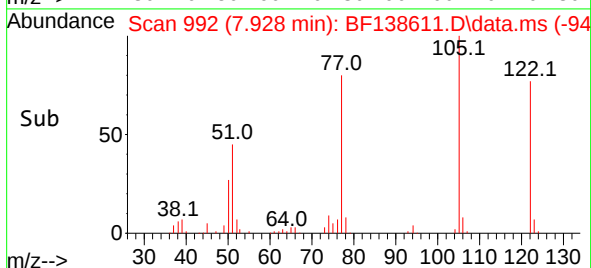
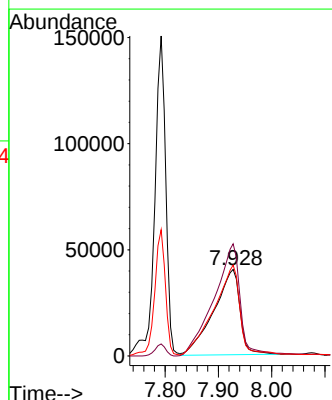
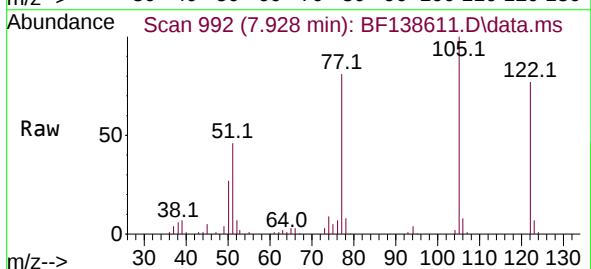
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#32
Benzoic acid
Concen: 35.129 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.000 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:122 Resp: 137419
Ion Ratio Lower Upper
122 100
105 129.5 101.5 141.5
77 104.9 77.3 117.3





#33
4-Chloroaniline
Concen: 24.273 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

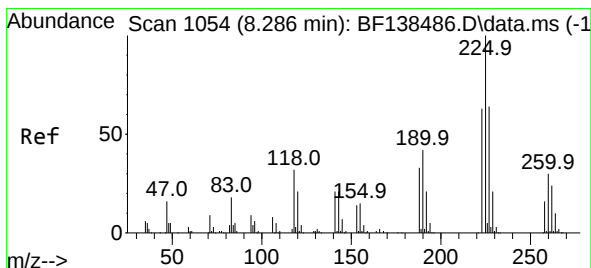
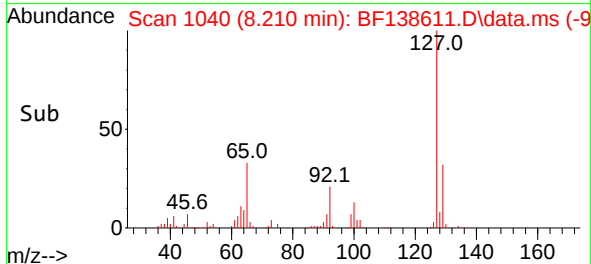
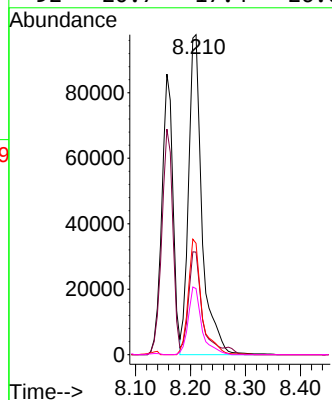
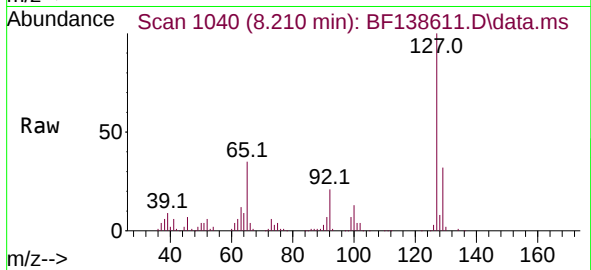
PB162188BS

Tgt Ion:127 Resp: 166614
Ion Ratio Lower Upper
127 100
129 32.1 25.6 38.4
65 34.8 29.6 44.4
92 20.7 17.4 26.0

Manual Integrations

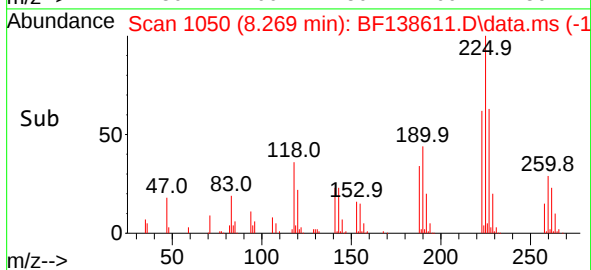
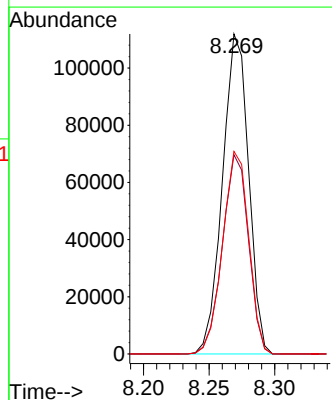
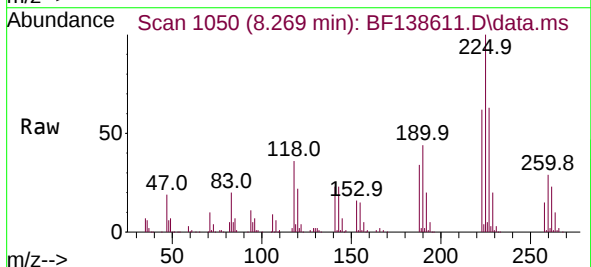
APPROVED

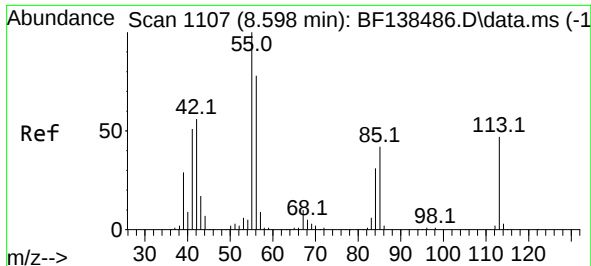
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#34
Hexachlorobutadiene
Concen: 40.547 ng
RT: 8.269 min Scan# 1050
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:225 Resp: 154915
Ion Ratio Lower Upper
225 100
223 62.3 50.0 75.0
227 63.3 51.0 76.6





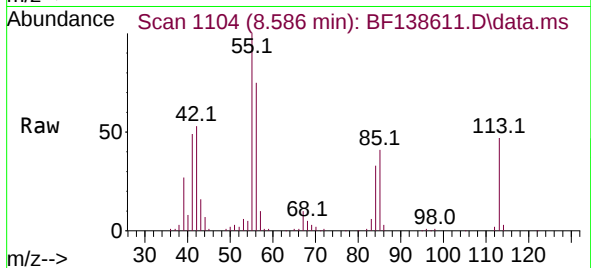
#35
Caprolactam
Concen: 42.382 ng m
RT: 8.586 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

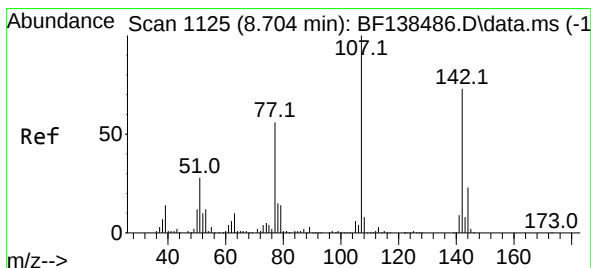
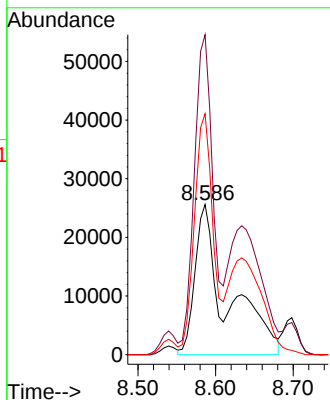
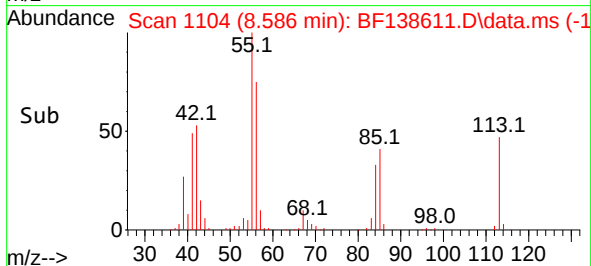


Tgt Ion:113 Resp: 72840
Ion Ratio Lower Upper
113 100
55 213.1 192.5 232.5
56 160.5 145.3 185.3

Manual Integrations

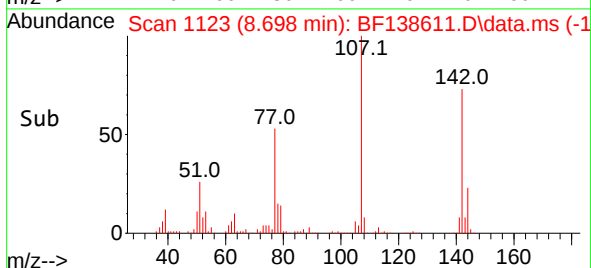
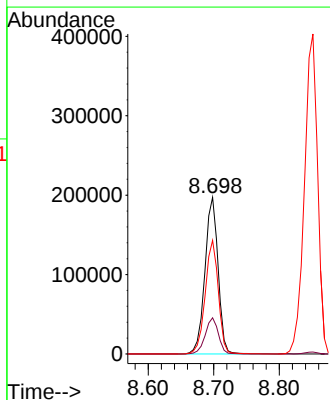
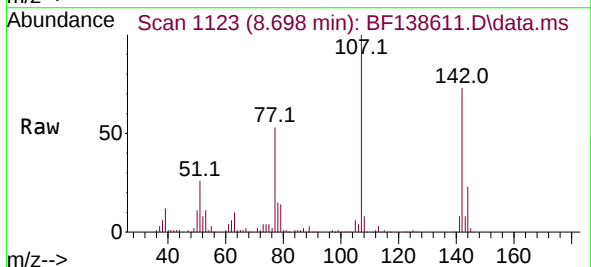
APPROVED

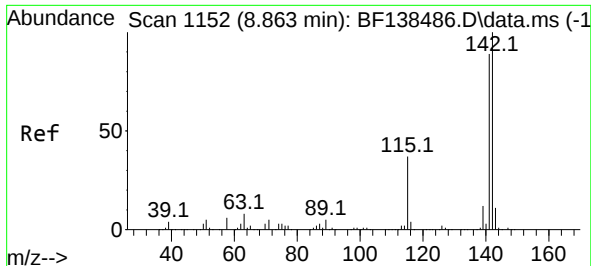
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#36
4-Chloro-3-methylphenol
Concen: 46.261 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:107 Resp: 275837
Ion Ratio Lower Upper
107 100
144 23.1 18.6 27.8
142 72.6 58.6 88.0





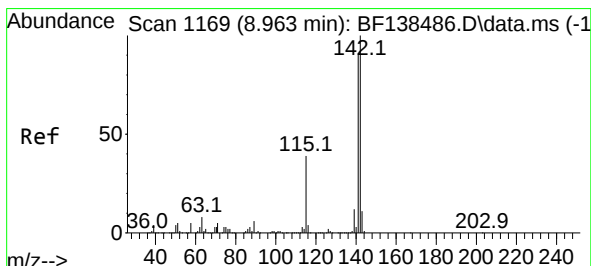
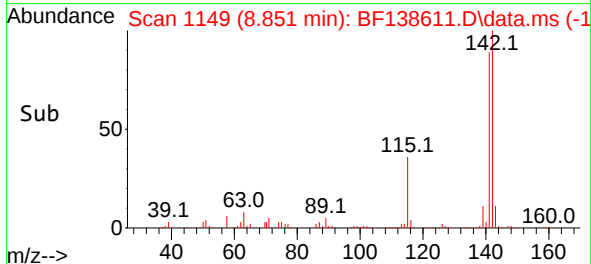
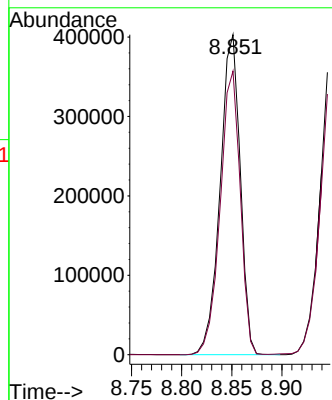
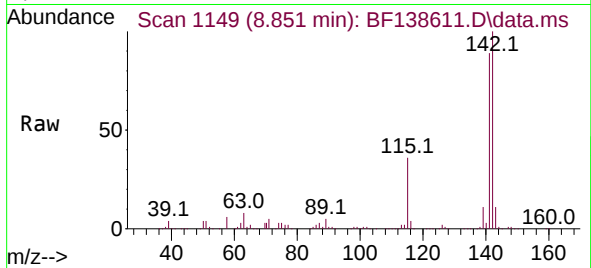
#37
2-Methylnaphthalene
Concen: 44.442 ng
RT: 8.851 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :
BNA_F
ClientSampleId :
PB162188BS

Tgt Ion:142 Resp: 559514
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0

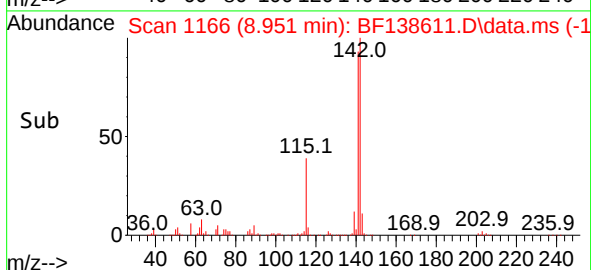
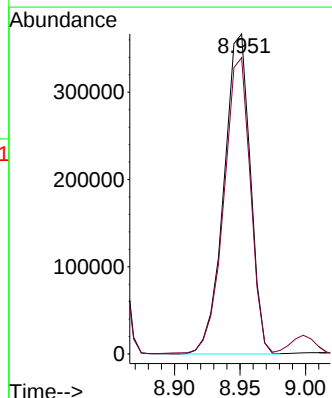
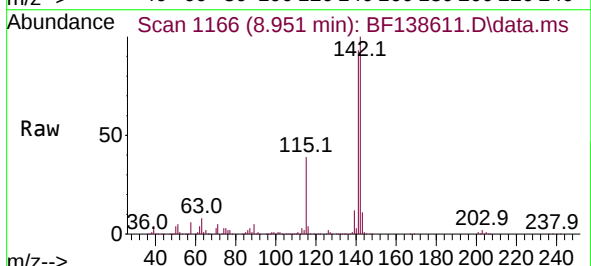
Manual Integrations
APPROVED

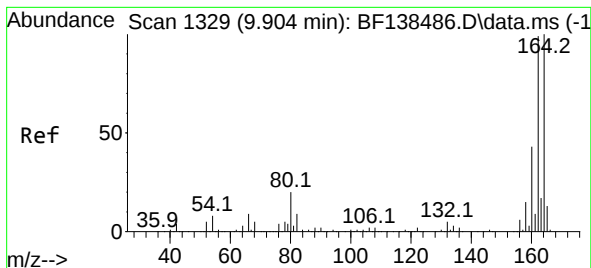
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#38
1-Methylnaphthalene
Concen: 41.882 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:142 Resp: 514612
Ion Ratio Lower Upper
142 100
141 92.6 72.6 108.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF138611.D

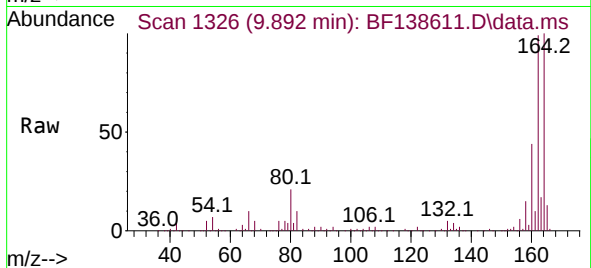
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS



Tgt Ion:164 Resp: 20278

Ion Ratio Lower Upper

164 100

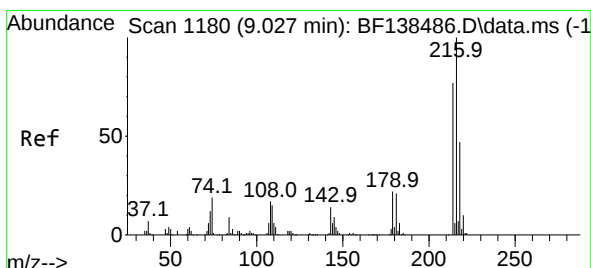
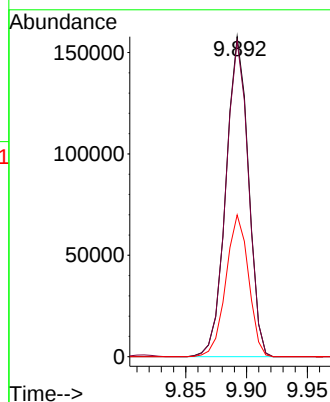
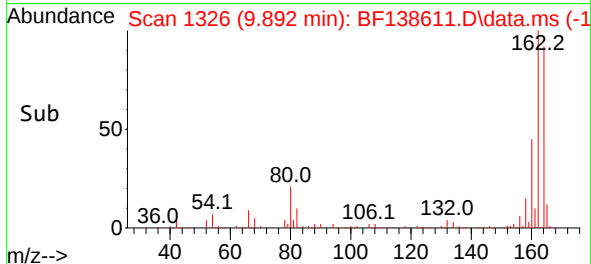
162 98.6 79.0 118.6

160 44.3 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.586 ng

RT: 9.016 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Tgt Ion:216 Resp: 229385

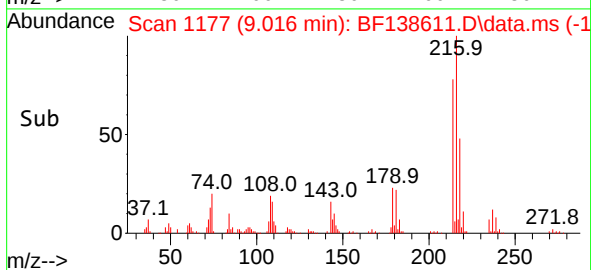
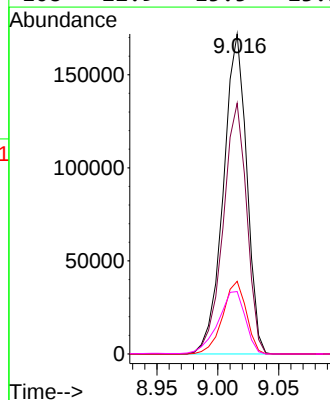
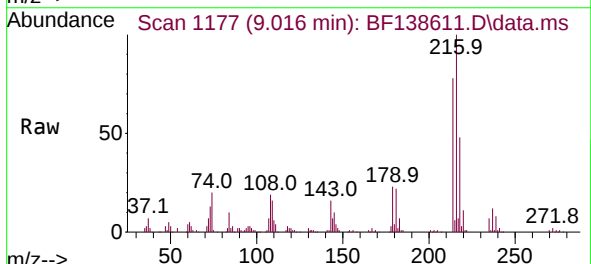
Ion Ratio Lower Upper

216 100

214 78.9 62.8 94.2

179 22.9 17.7 26.5

108 22.9 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 120.433 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

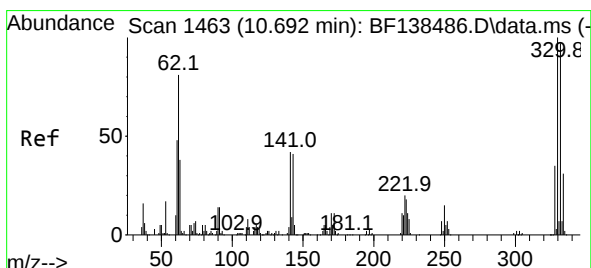
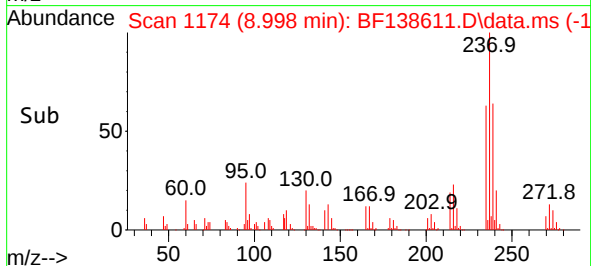
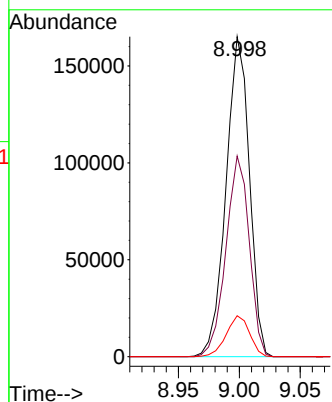
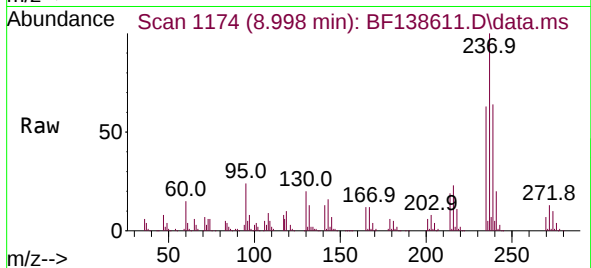
PB162188BS

Tgt Ion:237 Resp: 220930
Ion Ratio Lower Upper
237 100
235 62.7 43.3 83.3
272 12.8 0.0 32.3

Manual Integrations

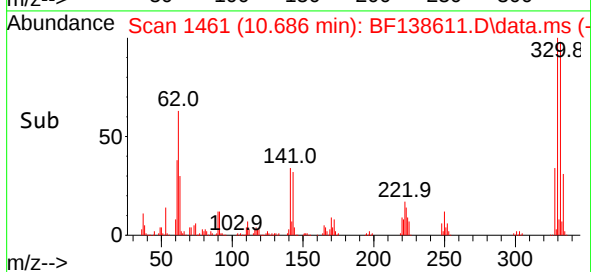
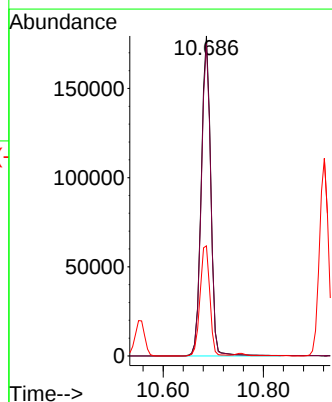
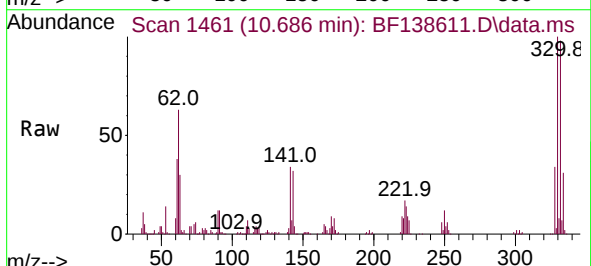
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#42
2,4,6-Tribromophenol
Concen: 124.187 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:330 Resp: 235365
Ion Ratio Lower Upper
330 100
332 97.2 76.8 115.2
141 35.6 29.4 44.2





#43

2,4,6-Trichlorophenol

Concen: 43.889 ng

RT: 9.128 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:196 Resp: 158228

Ion Ratio Lower Upper

196 100

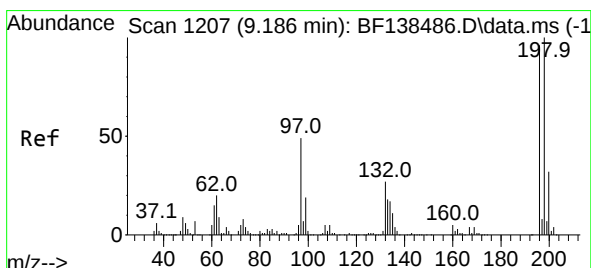
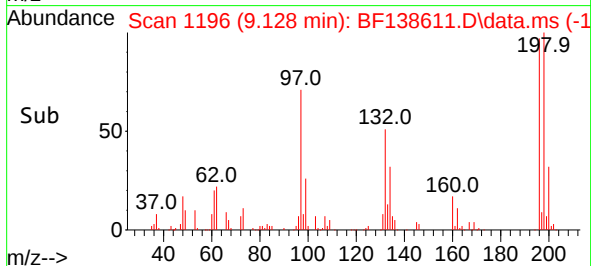
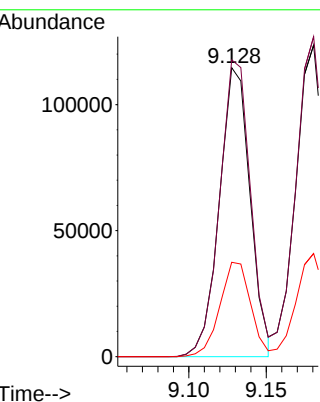
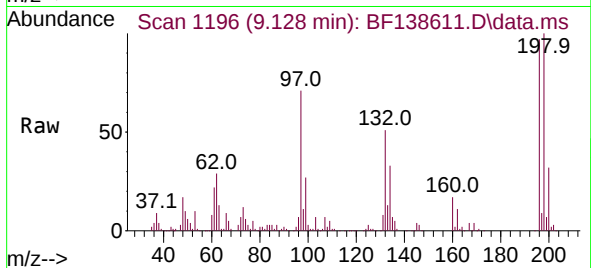
198 102.7 82.3 123.5

200 32.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#44

2,4,5-Trichlorophenol

Concen: 41.510 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Tgt Ion:196 Resp: 164596

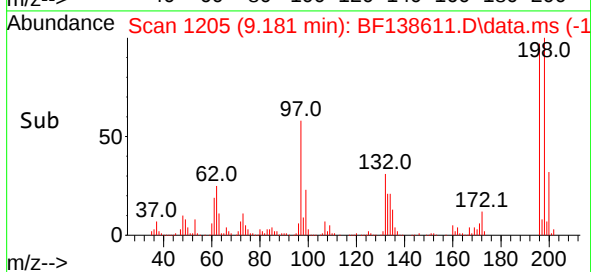
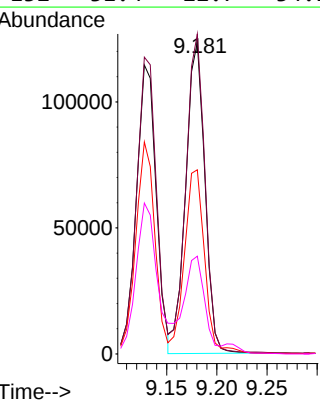
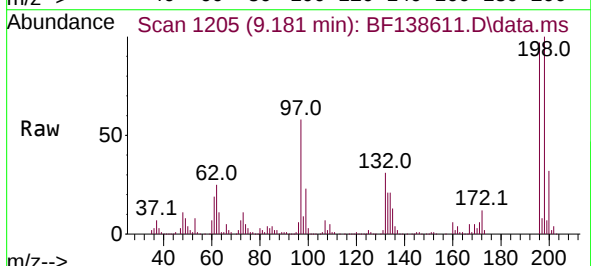
Ion Ratio Lower Upper

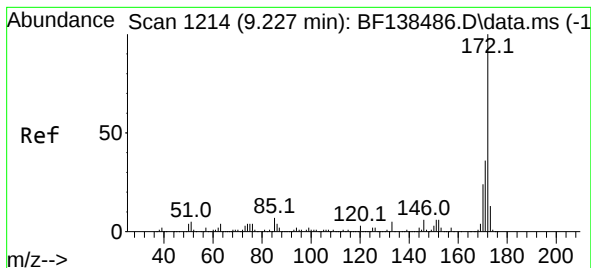
196 100

198 102.7 82.8 124.2

97 59.1 41.0 61.4

132 31.4 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 84.401 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:172 Resp: 109510

Ion Ratio Lower Upper

172 100

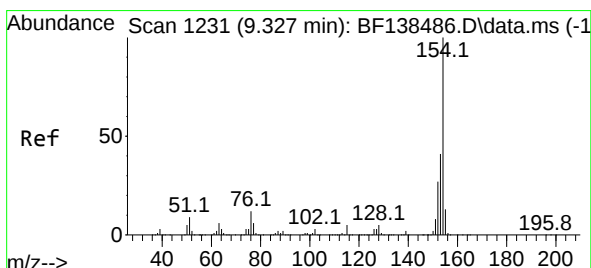
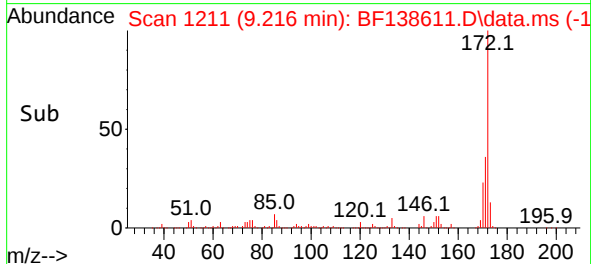
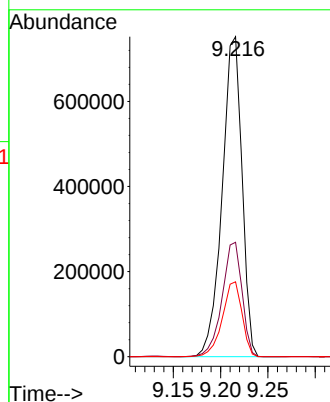
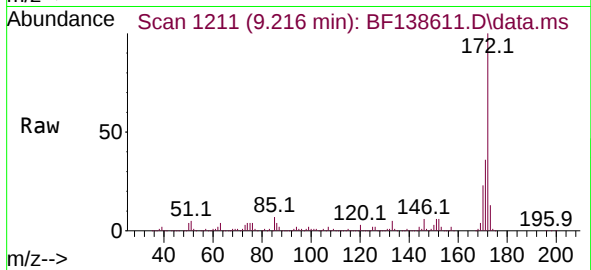
171 35.8 28.9 43.3

170 23.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#46

1,1'-Biphenyl

Concen: 42.157 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

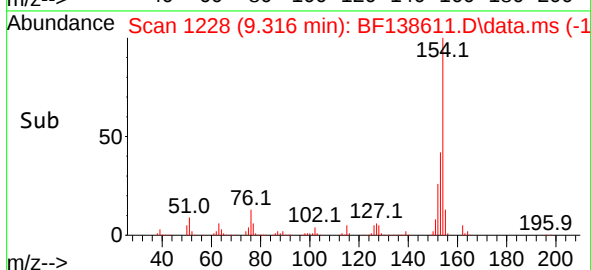
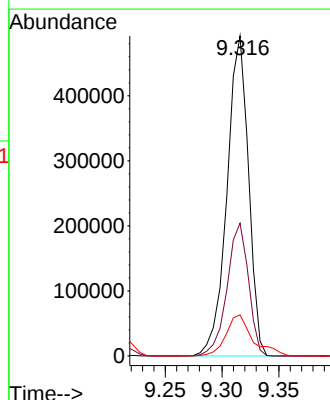
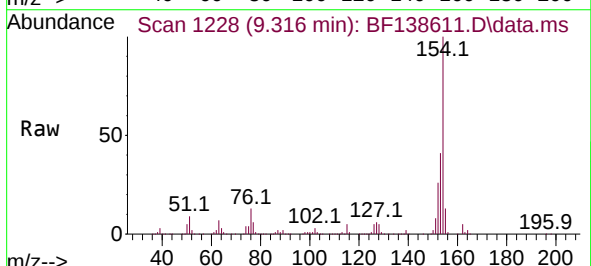
Tgt Ion:154 Resp: 647874

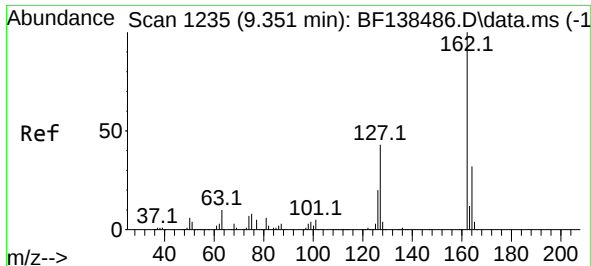
Ion Ratio Lower Upper

154 100

153 41.5 20.7 60.7

76 12.9 0.0 32.2





#47

2-Chloronaphthalene

Concen: 44.133 ng

RT: 9.339 min Scan# 1235

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:162 Resp: 51238

Ion Ratio Lower Upper

162 100

127 44.0 34.8 52.2

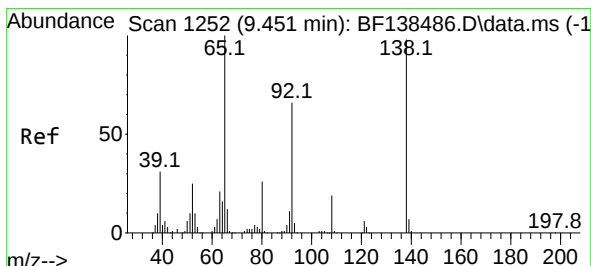
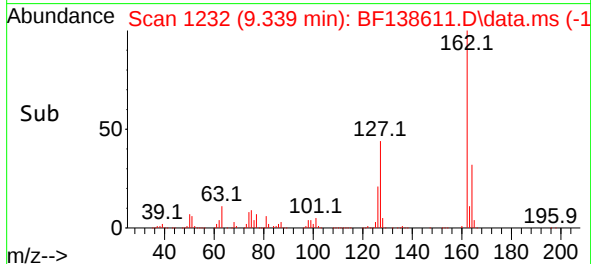
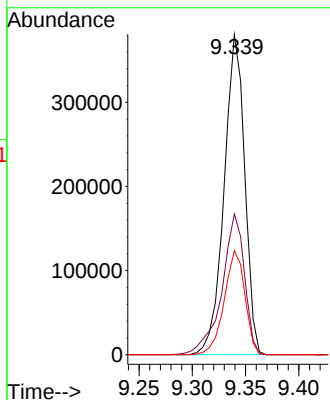
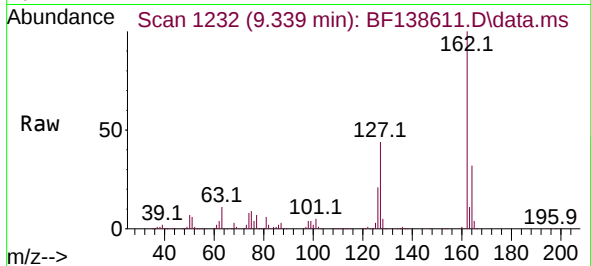
164 32.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/30/2024



#48

2-Nitroaniline

Concen: 47.893 ng

RT: 9.439 min Scan# 1249

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

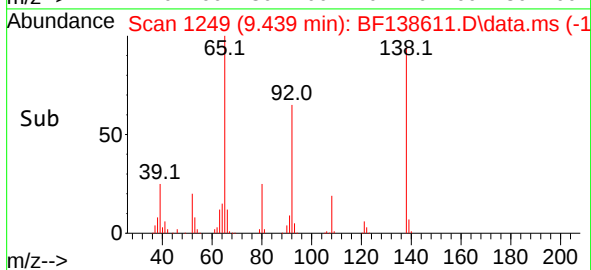
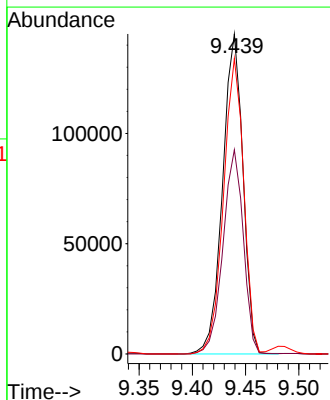
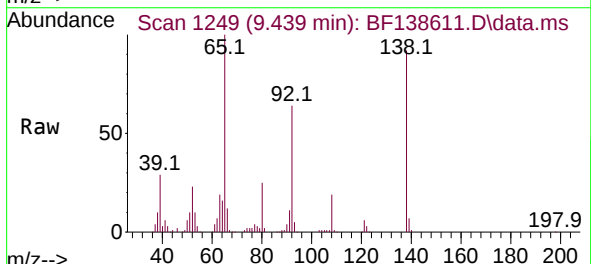
Tgt Ion: 65 Resp: 192684

Ion Ratio Lower Upper

65 100

92 63.8 52.6 78.8

138 92.4 78.6 118.0





#49
Acenaphthylene
Concen: 49.130 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

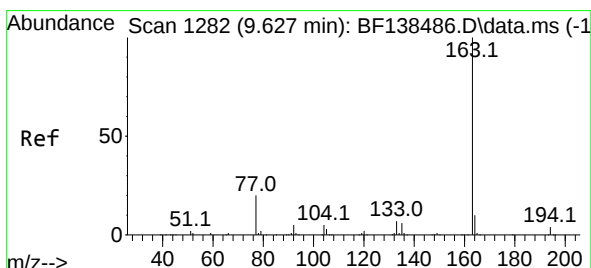
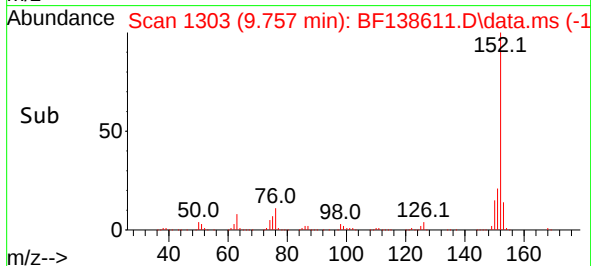
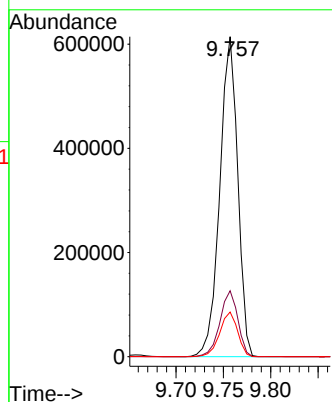
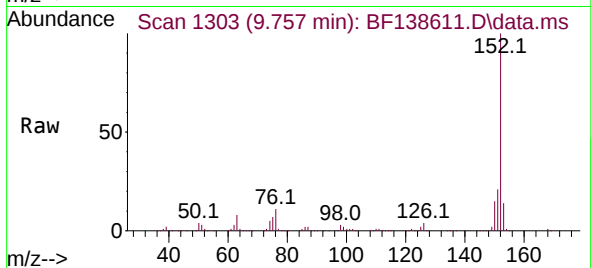
PB162188BS

Tgt Ion:152 Resp: 80982
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 13.9 11.3 16.9

Manual Integrations

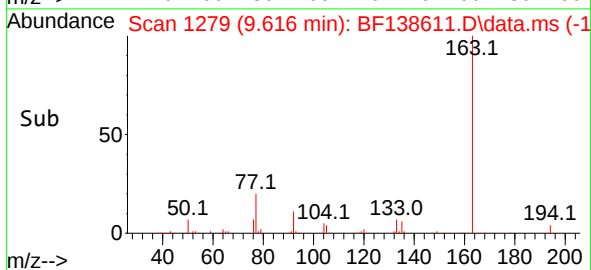
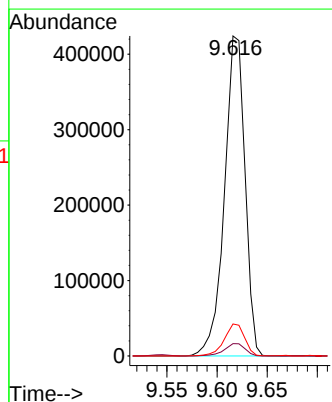
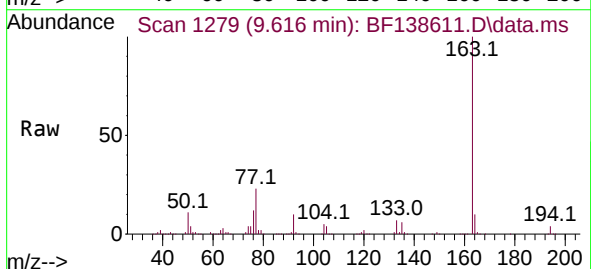
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#50
Dimethylphthalate
Concen: 45.989 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:163 Resp: 603033
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.0 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 44.381 ng
RT: 9.681 min Scan# 13399
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

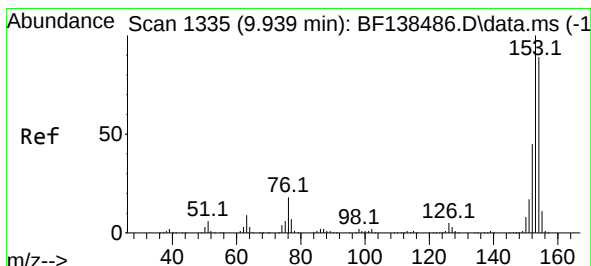
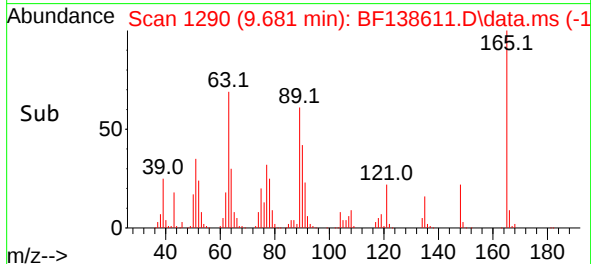
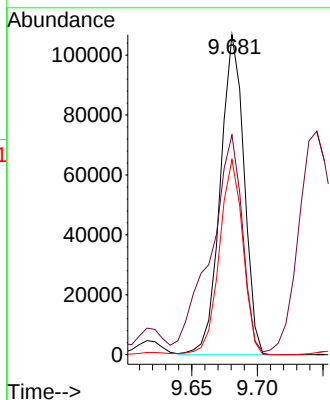
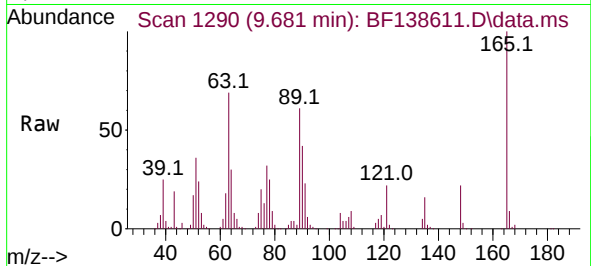
ClientSampleId :

PB162188BS

Tgt Ion:165 Resp: 13399
Ion Ratio Lower Upper
165 100
63 68.7 48.1 72.1
89 61.0 43.0 64.6

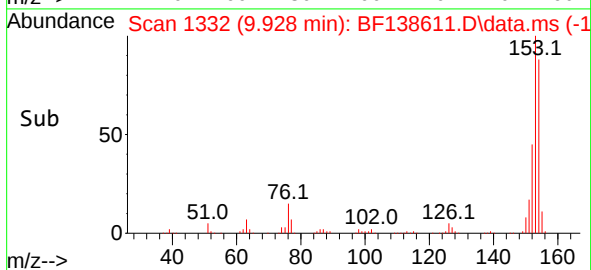
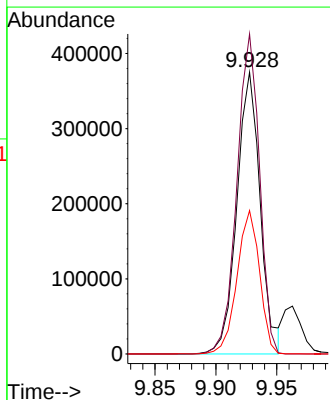
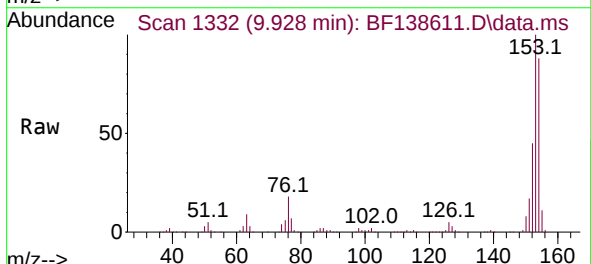
Manual Integrations
APPROVED

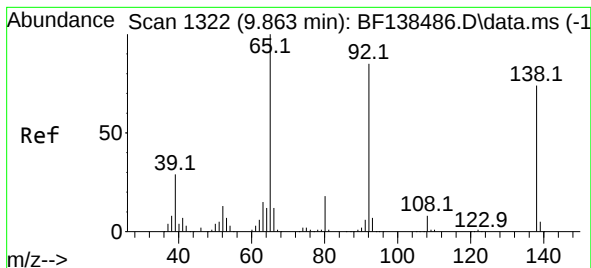
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#52
Acenaphthene
Concen: 45.710 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:154 Resp: 500838
Ion Ratio Lower Upper
154 100
153 113.6 90.4 135.6
152 50.9 41.1 61.7





#53

3-Nitroaniline

Concen: 28.952 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

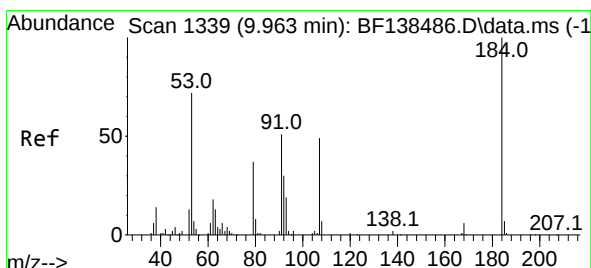
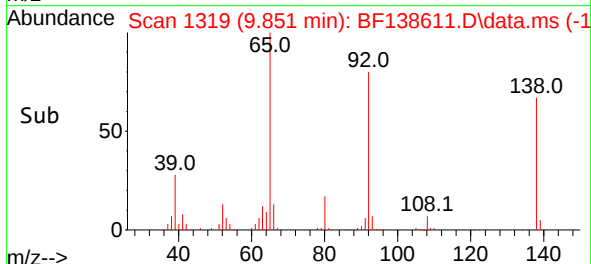
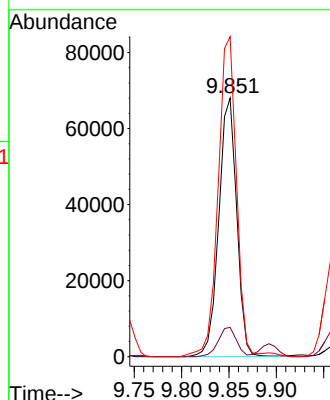
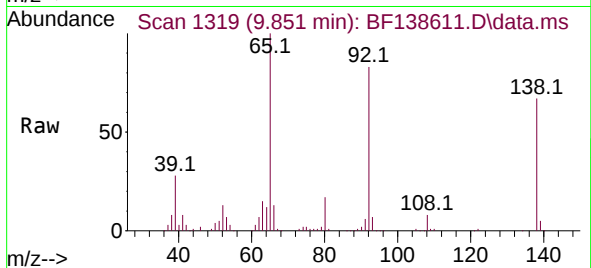
Tgt Ion:138 Resp: 8959

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	123.8	92.6	138.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#54

2,4-Dinitrophenol

Concen: 75.393 ng

RT: 9.963 min Scan# 1338

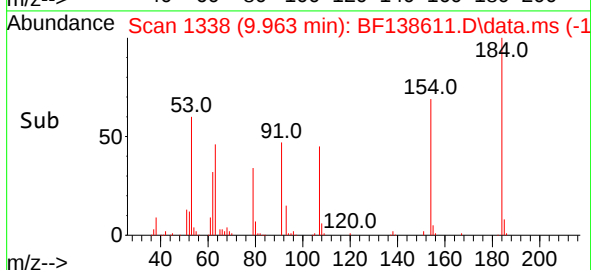
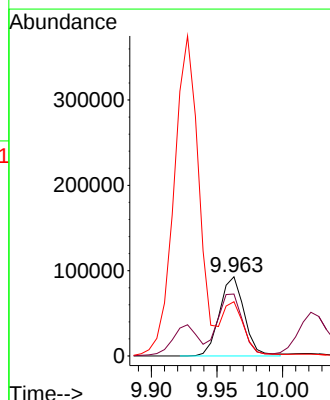
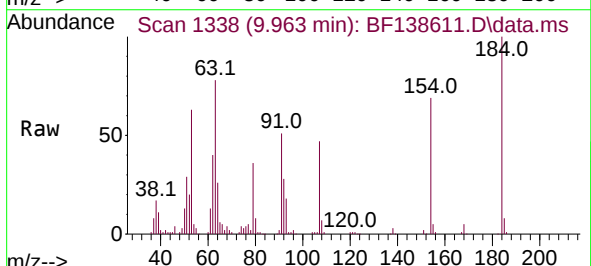
Delta R.T. -0.000 min

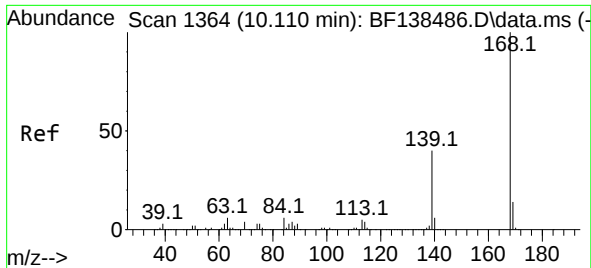
Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Tgt Ion:184 Resp: 121700

Ion	Ratio	Lower	Upper
184	100		
63	78.2	70.6	106.0
154	68.6	53.8	80.6





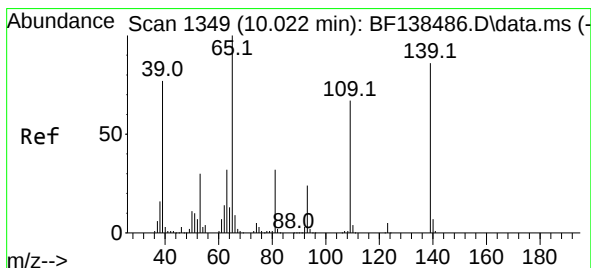
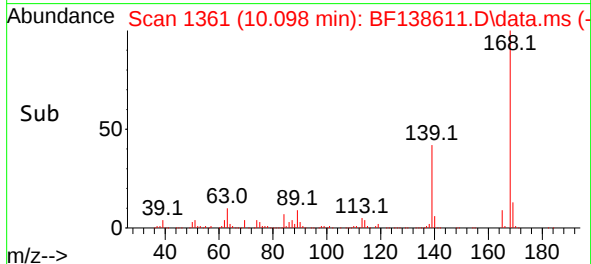
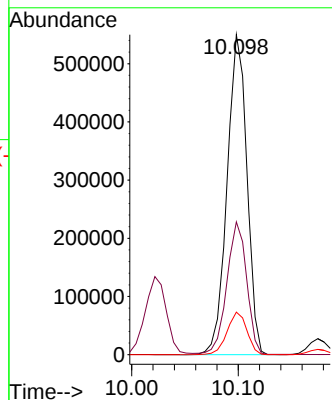
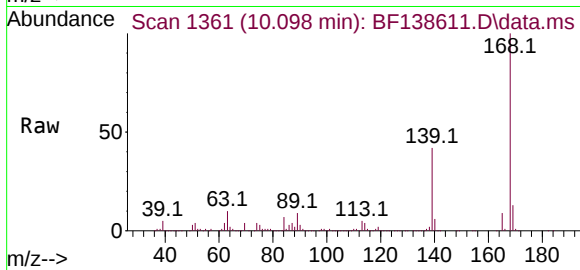
#55
Dibenzenofuran
Concen: 44.721 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :
BNA_F
ClientSampleId :
PB162188BS

Tgt Ion:168 Resp: 710734
Ion Ratio Lower Upper
168 100
139 41.5 32.4 48.6
169 13.3 10.9 16.3

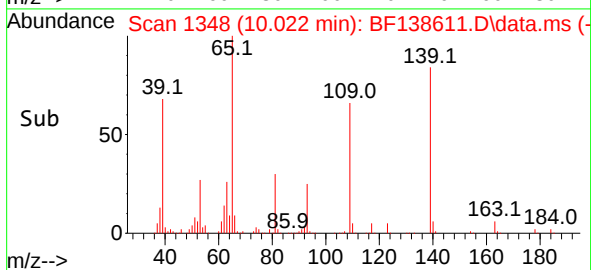
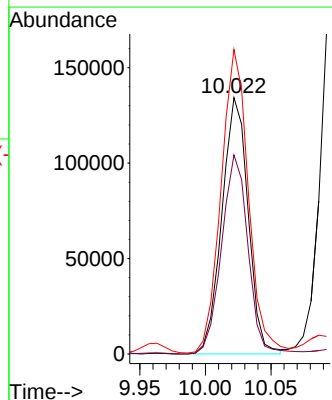
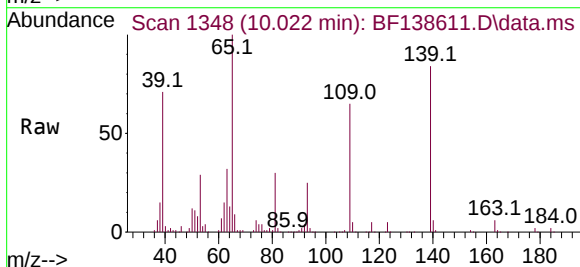
Manual Integrations
APPROVED

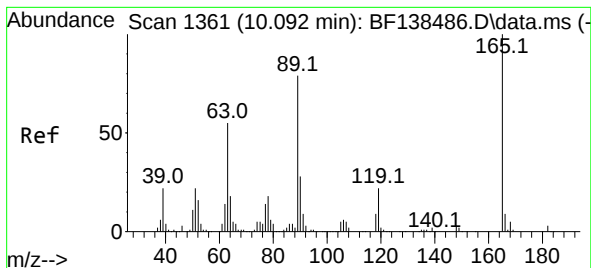
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#56
4-Nitrophenol
Concen: 81.711 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:139 Resp: 186565
Ion Ratio Lower Upper
139 100
109 77.6 58.1 98.1
65 118.8 96.9 136.9





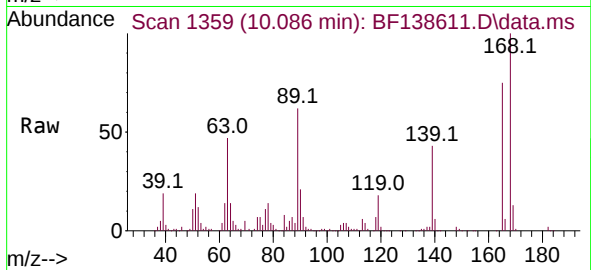
#57
2,4-Dinitrotoluene
Concen: 45.850 ng
RT: 10.086 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

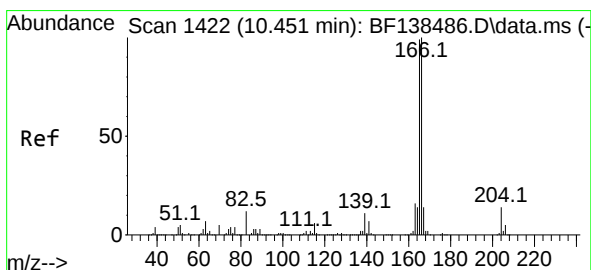
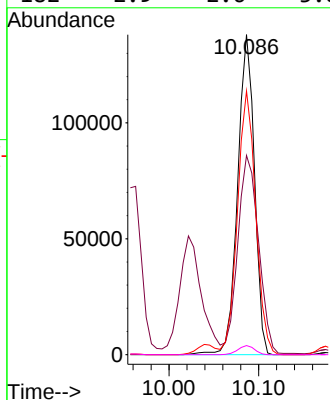
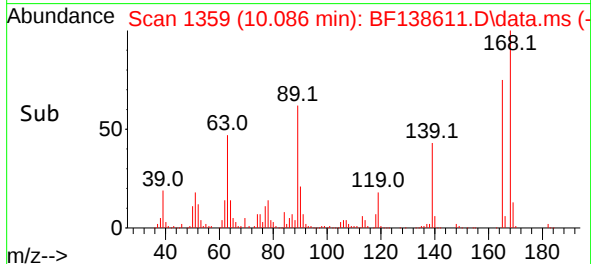


Tgt Ion:165 Resp: 179108
Ion Ratio Lower Upper
165 100
63 62.3 44.6 66.8
89 82.4 63.4 95.2
182 2.9 2.6 3.8

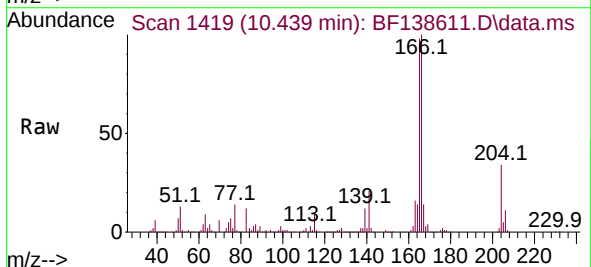
Manual Integrations

APPROVED

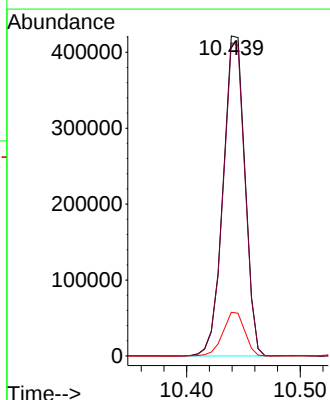
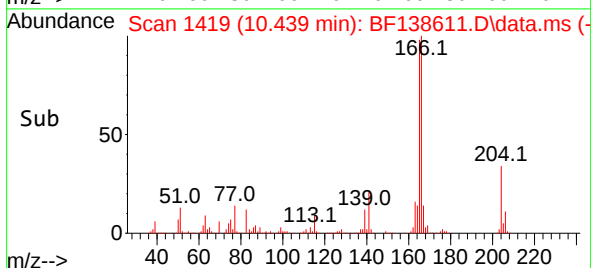
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

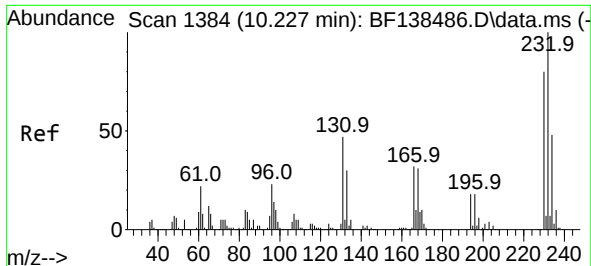


#58
Fluorene
Concen: 44.831 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25



Tgt Ion:166 Resp: 563746
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 13.6 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.221 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

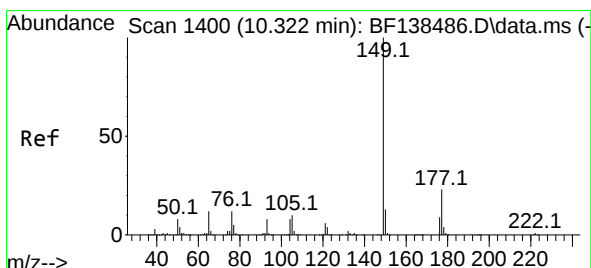
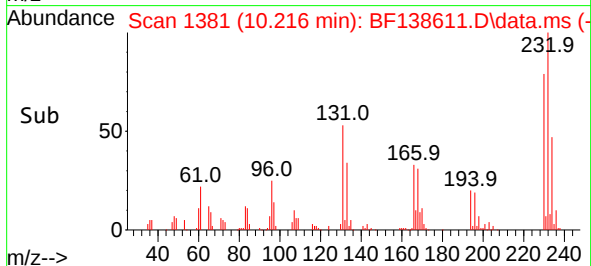
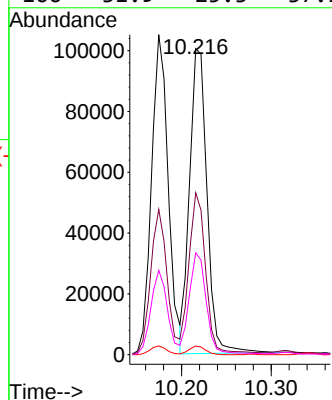
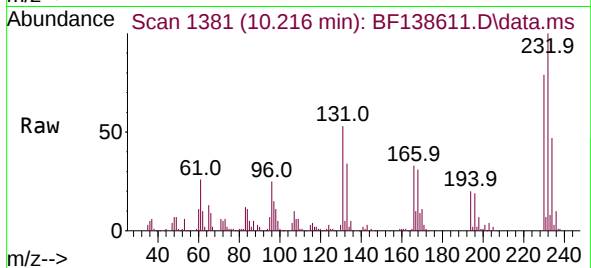
PB162188BS

Tgt Ion:232 Resp: 135250
Ion Ratio Lower Upper
232 100
131 51.2 37.5 56.3
130 2.7 2.0 3.0
166 31.9 25.3 37.9

Manual Integrations

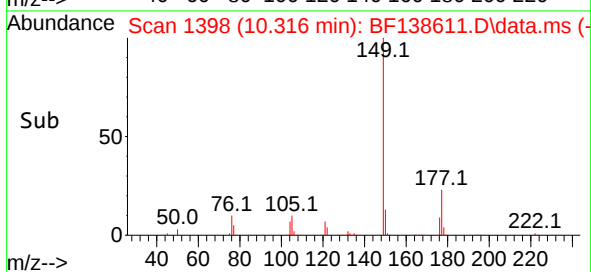
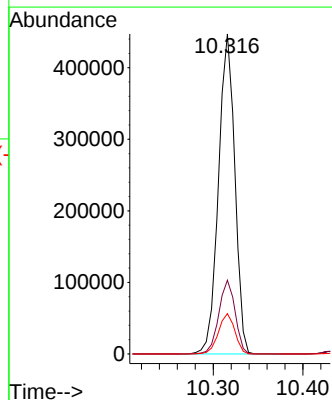
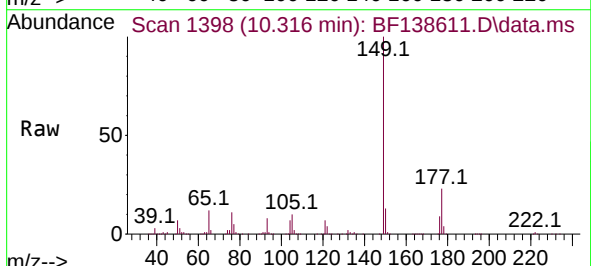
APPROVED

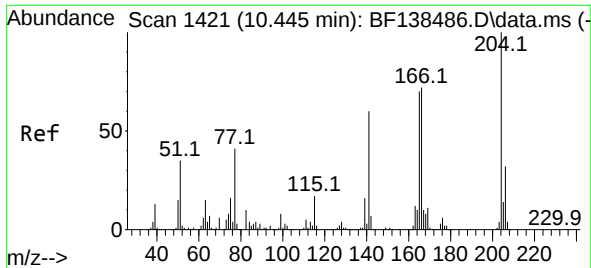
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#60
Diethylphthalate
Concen: 44.848 ng
RT: 10.316 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

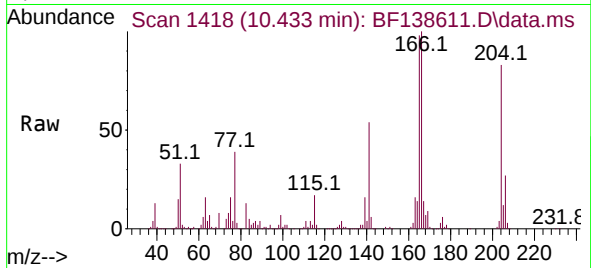
Tgt Ion:149 Resp: 566928
Ion Ratio Lower Upper
149 100
177 23.0 18.5 27.7
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 42.776 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

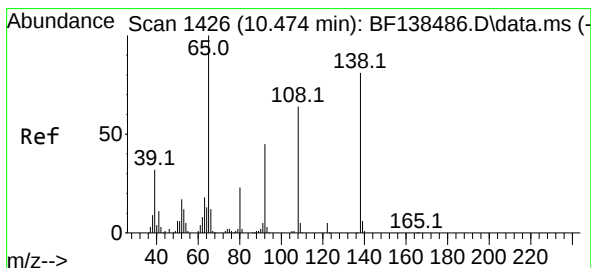
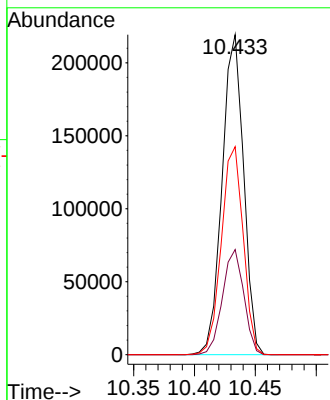
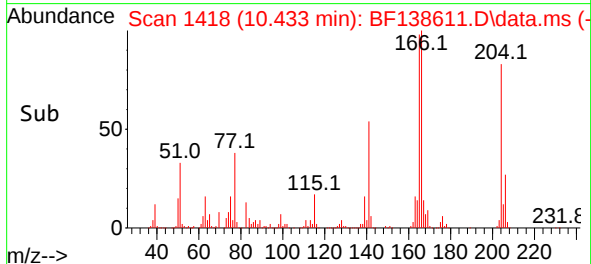
Instrument :
BNA_F
ClientSampleId :
PB162188BS



Tgt Ion:204 Resp: 27010
Ion Ratio Lower Upper
204 100
206 32.8 25.6 38.4
141 65.0 47.7 71.5

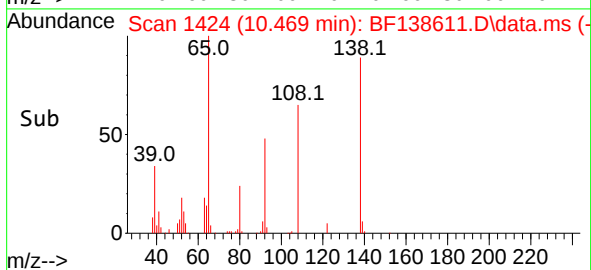
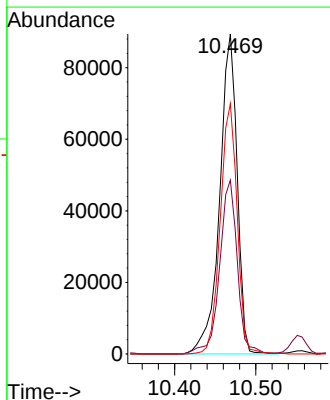
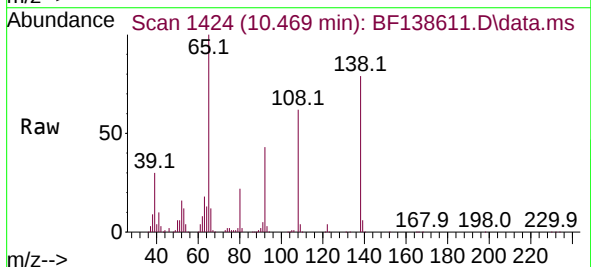
Manual Integrations
APPROVED

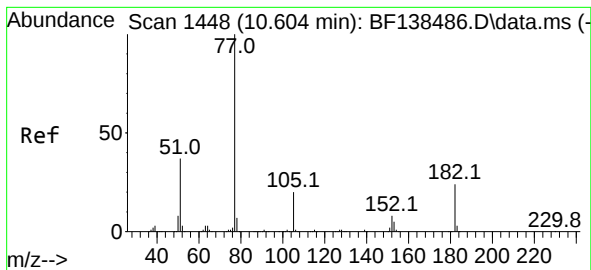
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#62
4-Nitroaniline
Concen: 43.276 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:138 Resp: 134193
Ion Ratio Lower Upper
138 100
92 54.4 35.8 75.8
108 78.2 59.8 99.8





#63
Azobenzene
Concen: 47.077 ng
RT: 10.592 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

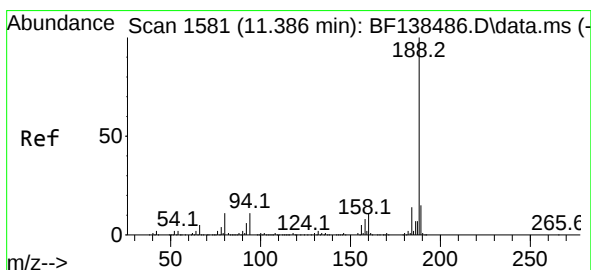
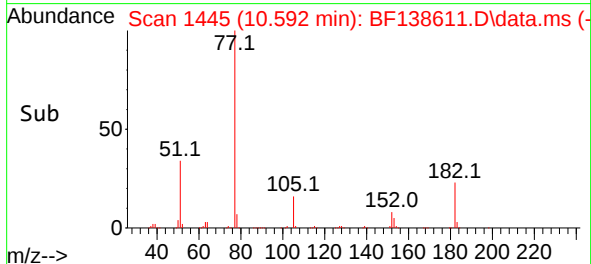
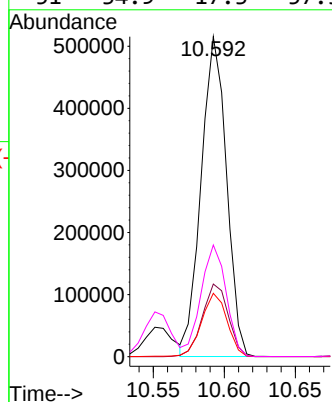
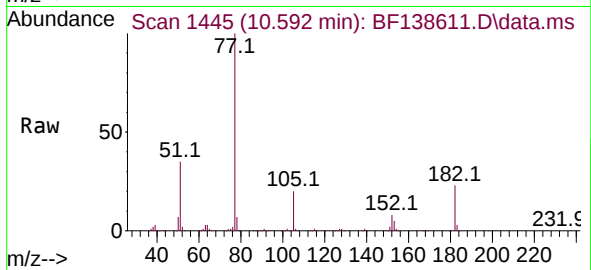
PB162188BS

Tgt Ion: 77 Resp: 639819
Ion Ratio Lower Upper
77 100
182 22.7 3.8 43.8
105 19.8 0.0 39.8
51 34.9 17.3 57.3

Manual Integrations

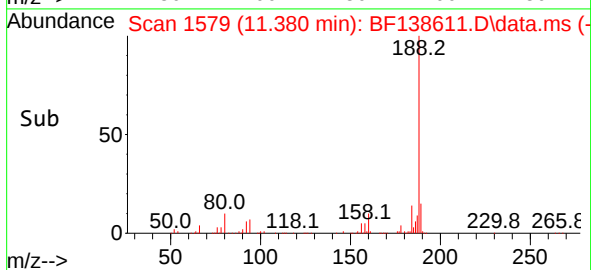
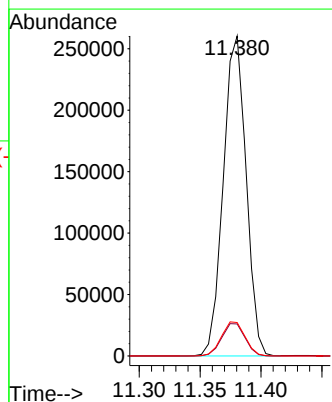
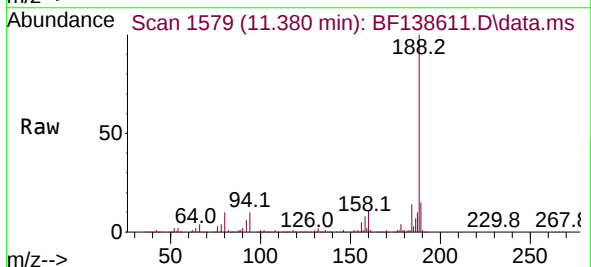
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:188 Resp: 340177
Ion Ratio Lower Upper
188 100
94 10.0 8.7 13.1
80 10.4 9.0 13.4





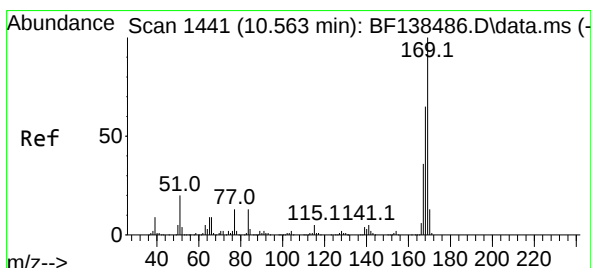
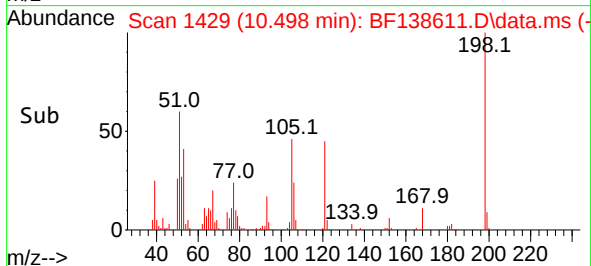
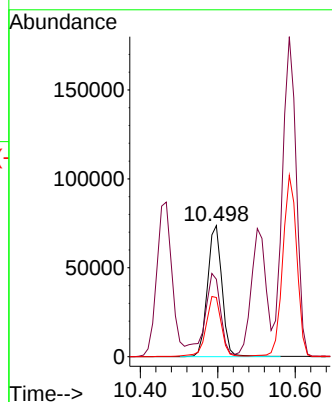
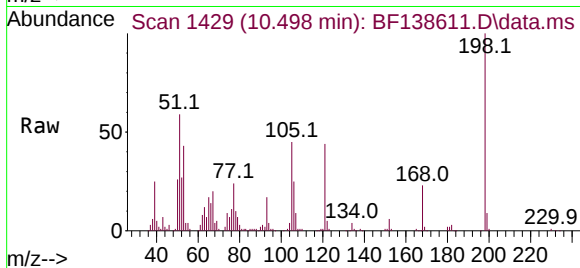
#65
4,6-Dinitro-2-methylphenol
Concen: 48.661 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :
BNA_F
ClientSampleId :
PB162188BS

Tgt Ion:198 Resp: 9558
Ion Ratio Lower Upper
198 100
51 59.1 27.2 67.2
105 45.2 18.5 58.5

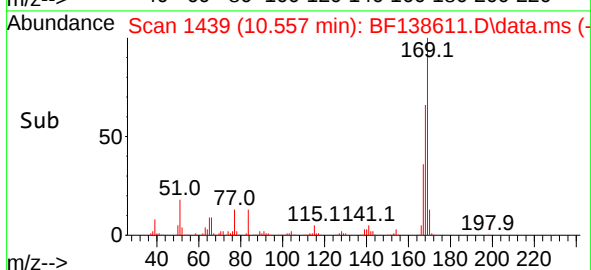
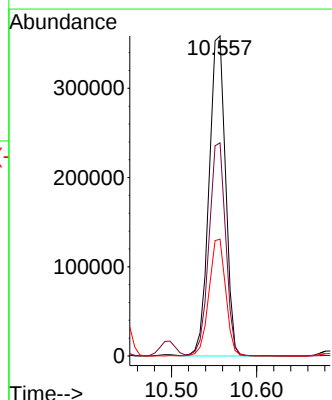
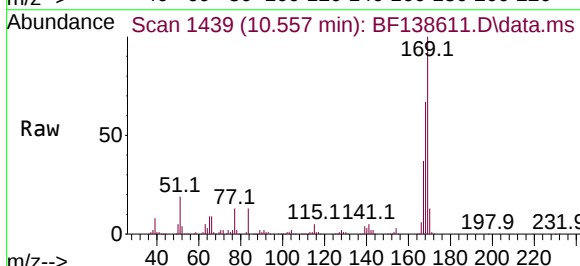
Manual Integrations
APPROVED

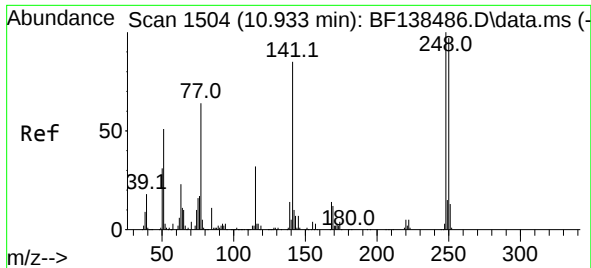
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#66
n-Nitrosodiphenylamine
Concen: 47.189 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:169 Resp: 480948
Ion Ratio Lower Upper
169 100
168 66.6 51.7 77.5
167 36.5 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 45.657 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

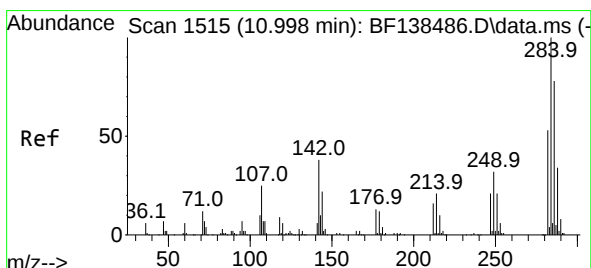
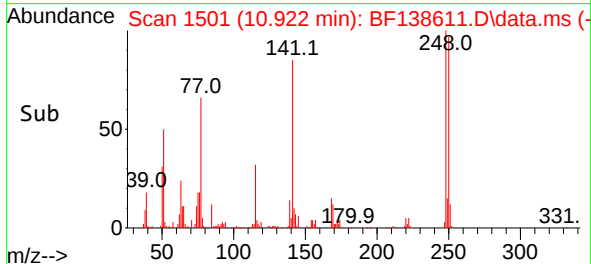
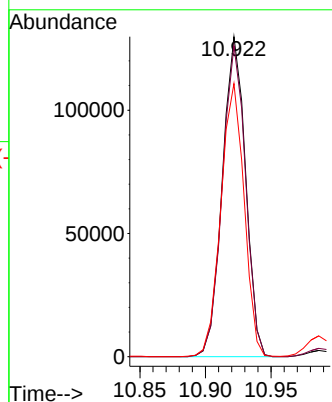
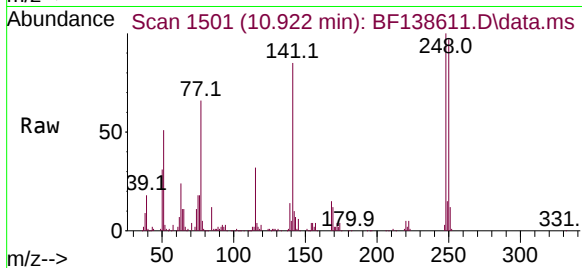
PB162188BS

Tgt Ion:248 Resp: 159630
Ion Ratio Lower Upper
248 100
250 97.1 77.9 116.9
141 85.3 67.7 101.5

Manual Integrations

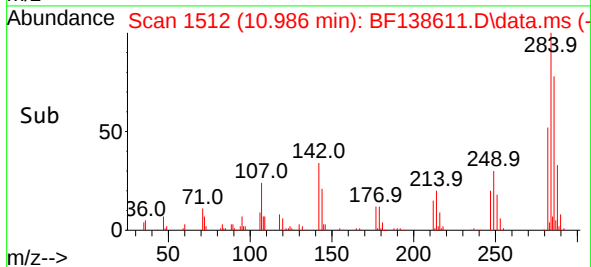
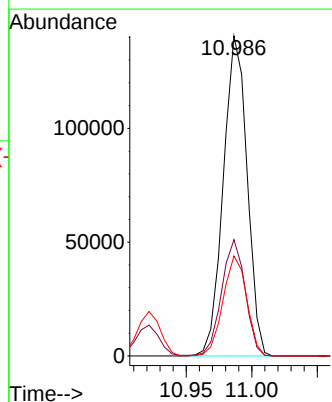
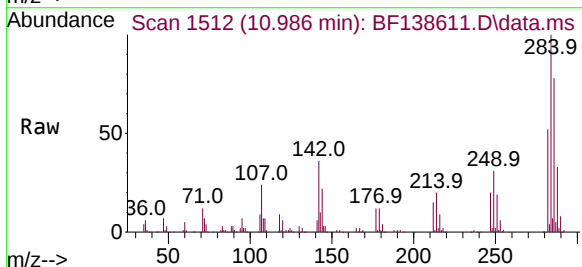
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#68
Hexachlorobenzene
Concen: 45.628 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:284 Resp: 177229
Ion Ratio Lower Upper
284 100
142 36.3 30.5 45.7
249 31.3 25.9 38.9





#69

Atrazine

Concen: 42.917 ng

RT: 11.080 min Scan# 11080

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:200 Resp: 145019

Ion Ratio Lower Upper

200 100

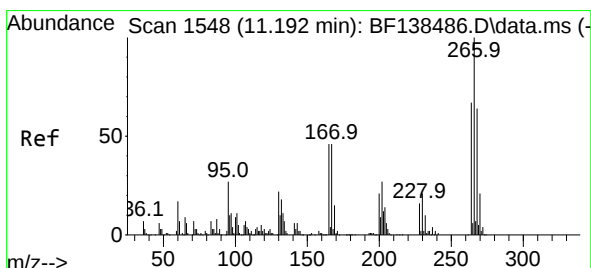
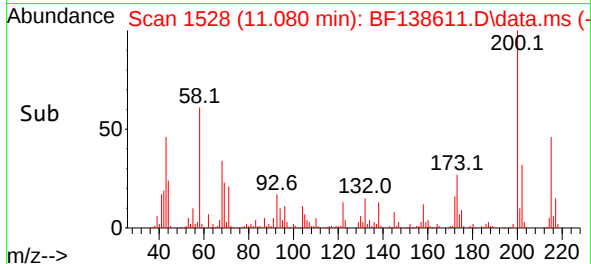
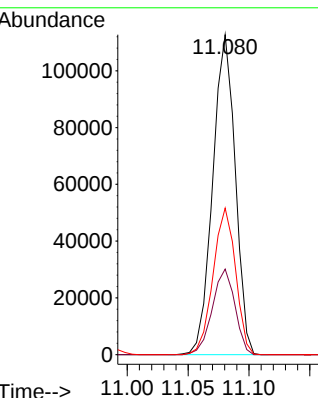
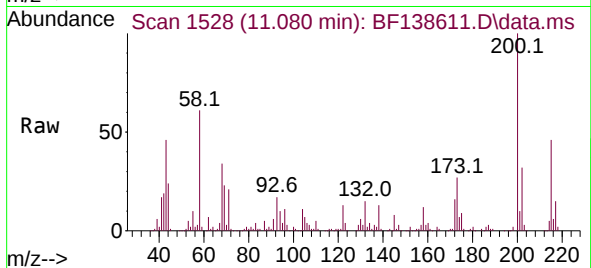
173 26.8 4.1 44.1

215 45.8 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#70

Pentachlorophenol

Concen: 79.200 ng

RT: 11.186 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

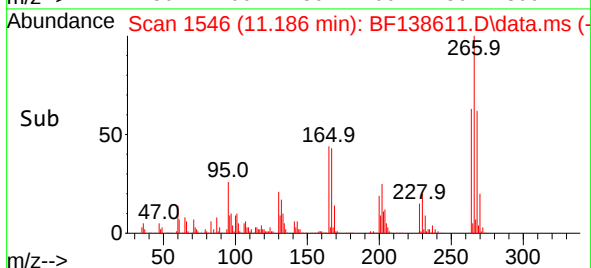
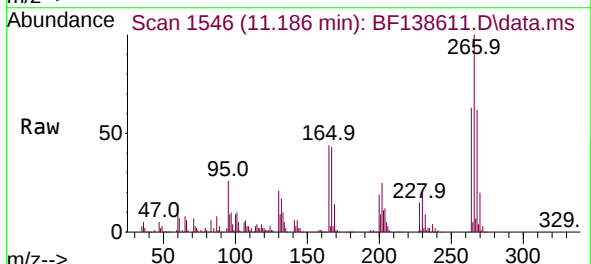
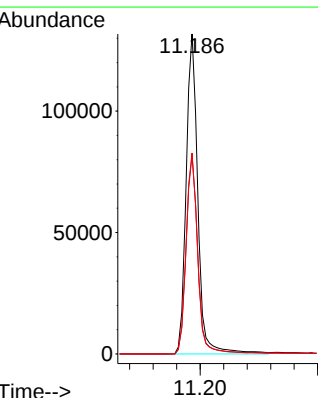
Tgt Ion:266 Resp: 182034

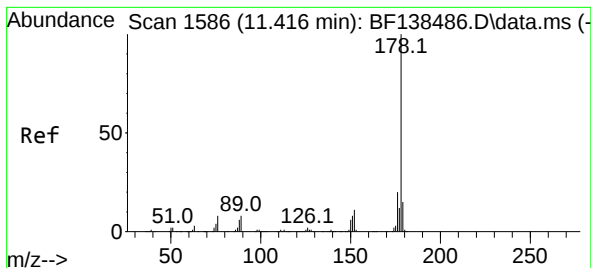
Ion Ratio Lower Upper

266 100

268 62.2 50.9 76.3

264 62.8 53.5 80.3





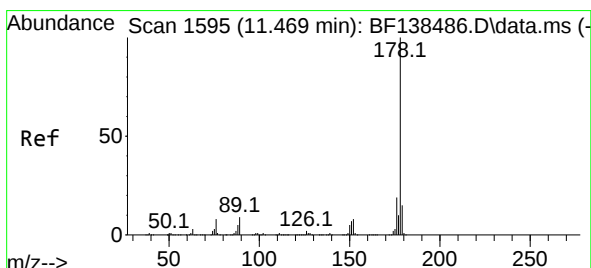
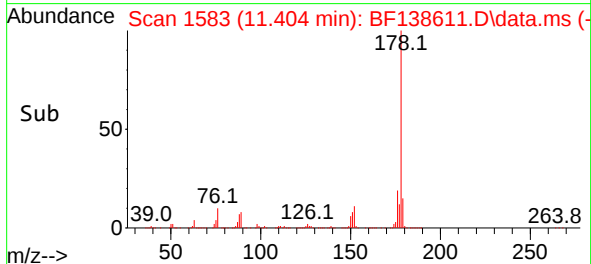
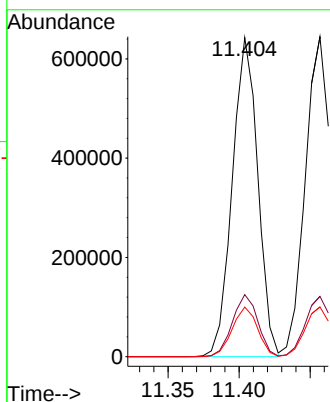
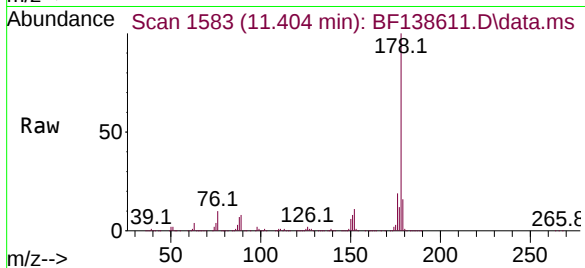
#71
Phenanthrene
Concen: 46.614 ng
RT: 11.404 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :
BNA_F
ClientSampleId :
PB162188BS

Tgt Ion:178 Resp: 80110
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.2 18.2

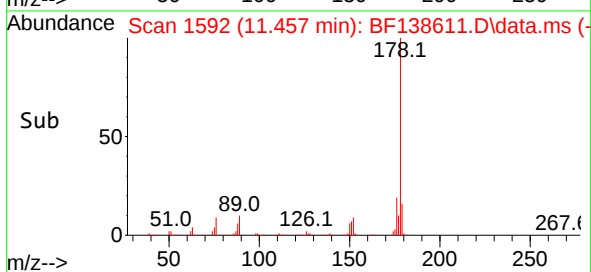
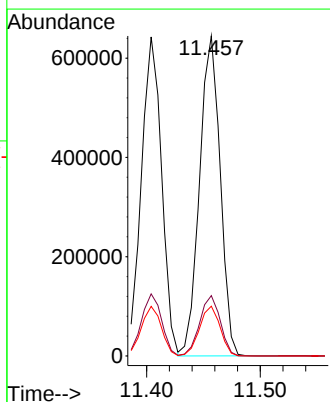
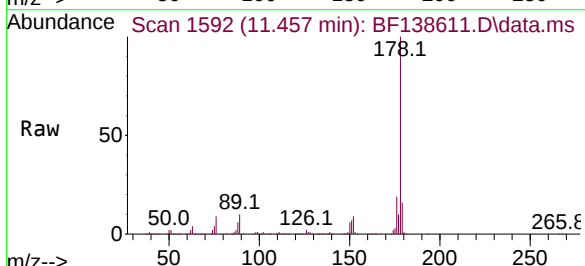
Manual Integrations
APPROVED

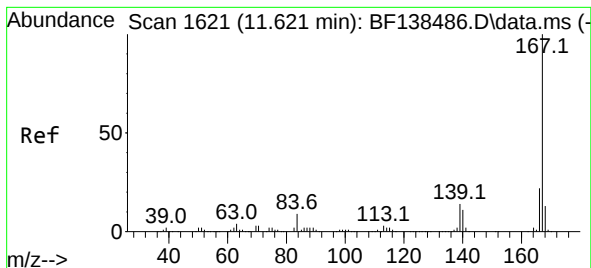
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#72
Anthracene
Concen: 47.711 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:178 Resp: 813947
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.2 18.4





#73

Carbazole

Concen: 46.434 ng

RT: 11.610 min Scan# 1618

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

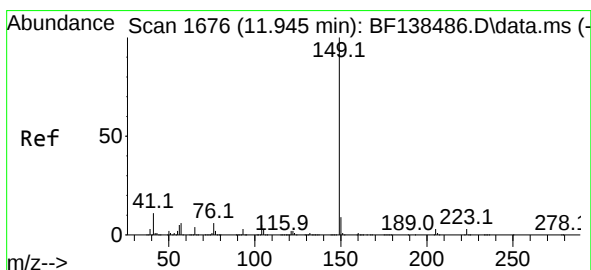
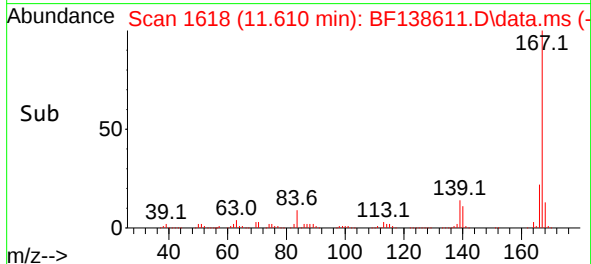
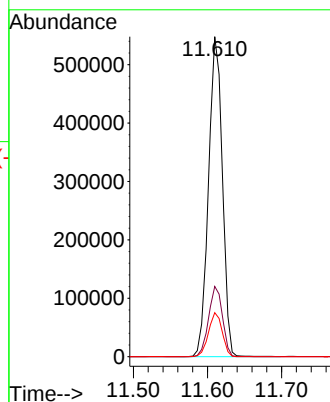
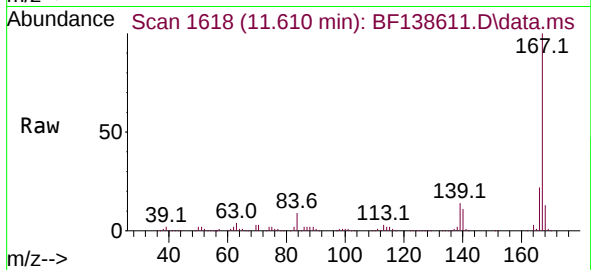
PB162188BS

Tgt Ion:167	Resp: 711880
Ion Ratio	Lower Upper
167 100	
166 22.0	17.8 26.6
139 13.8	11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#74

Di-n-butylphthalate

Concen: 47.522 ng

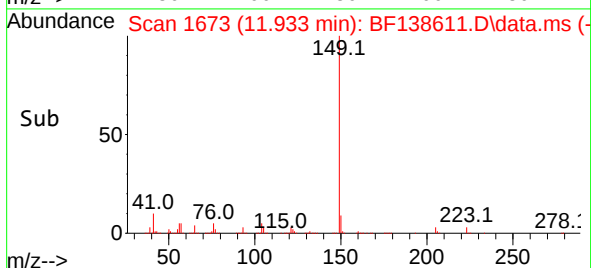
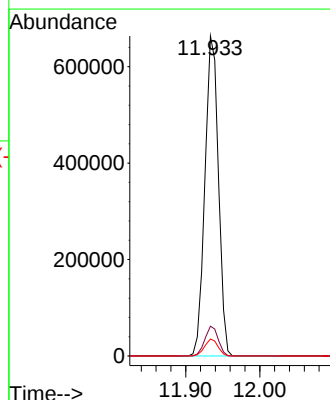
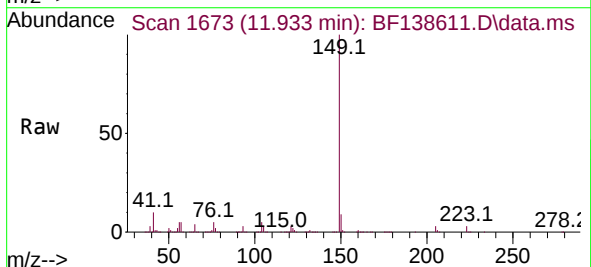
RT: 11.933 min Scan# 1673

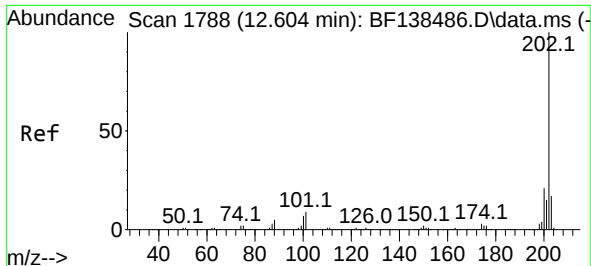
Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

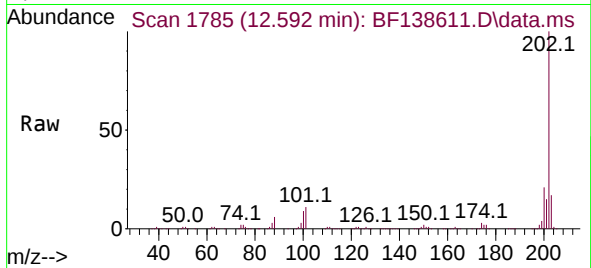
Tgt Ion:149	Resp: 839806
Ion Ratio	Lower Upper
149 100	
150 9.3	7.4 11.0
104 5.3	4.4 6.6





#75
Fluoranthene
Concen: 44.403 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

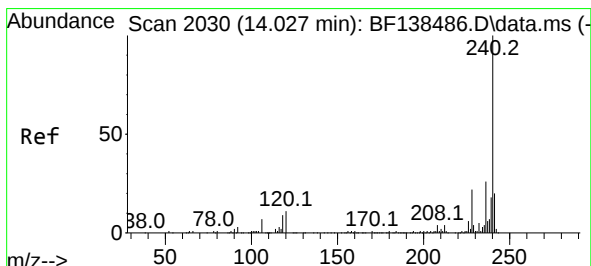
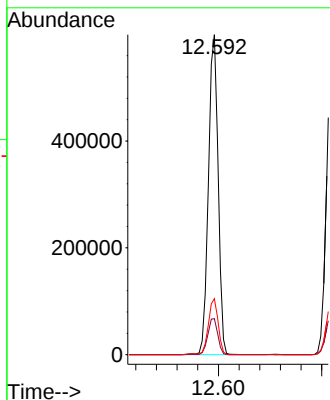
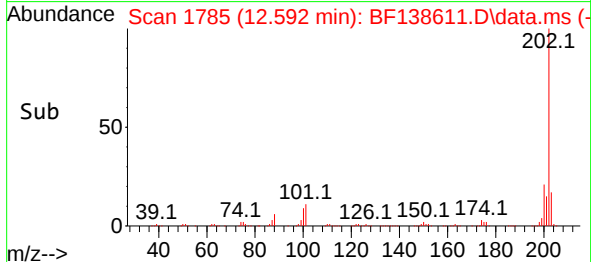
Instrument :
BNA_F
ClientSampleId :
PB162188BS



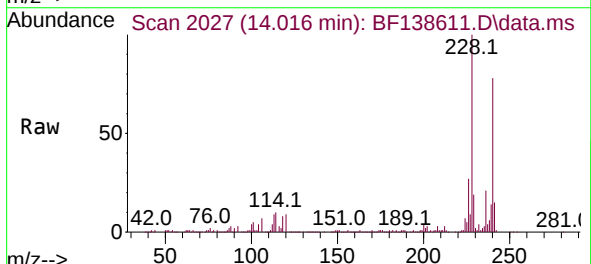
Tgt Ion:202 Resp: 77867
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.2
203 17.5 0.0 37.3

Manual Integrations
APPROVED

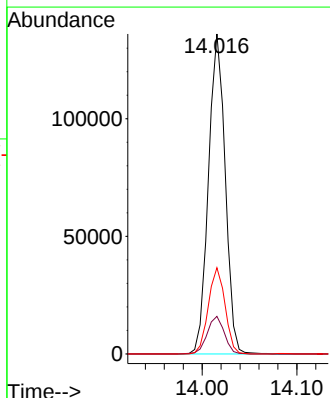
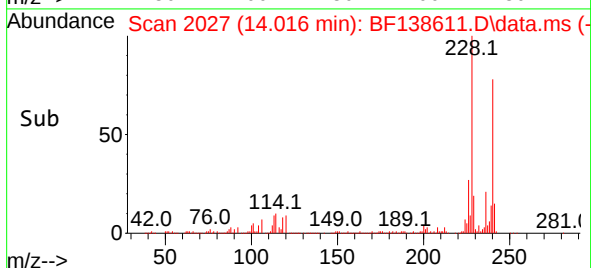
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

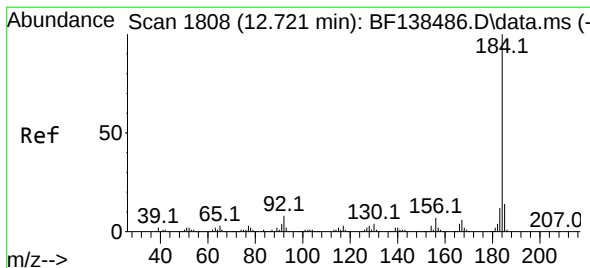


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25



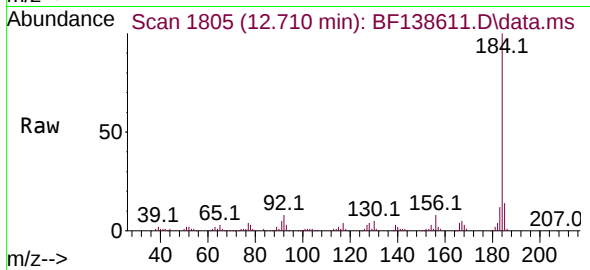
Tgt Ion:240 Resp: 166767
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 26.9 21.0 31.6





#77
Benzidine
Concen: 32.749 ng
RT: 12.710 min Scan# 1805
Delta R.T. -0.011 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

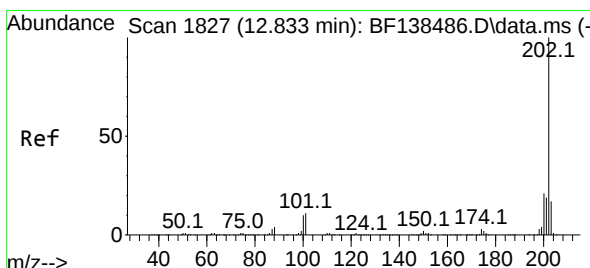
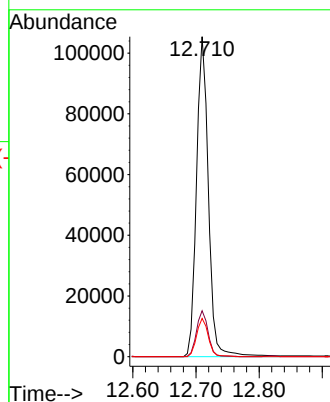
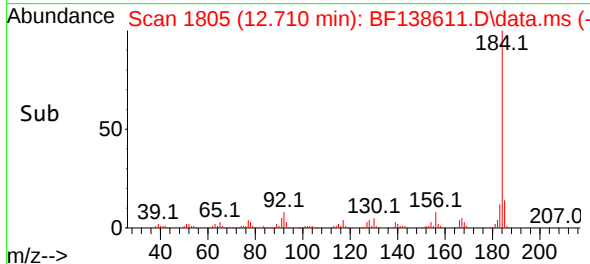
Instrument :
BNA_F
ClientSampleId :
PB162188BS



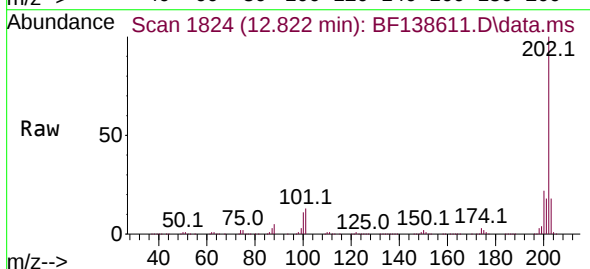
Tgt Ion:184 Resp: 13779
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 11.9 9.5 14.3

Manual Integrations
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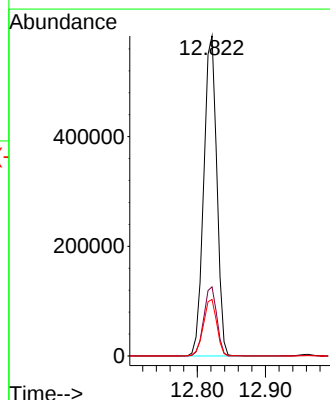
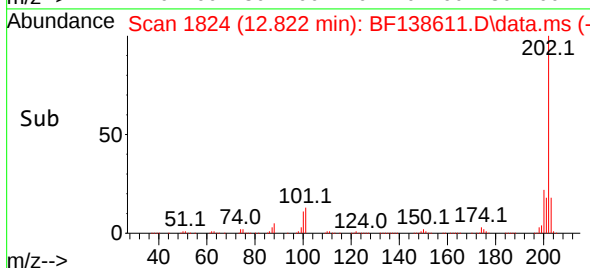
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024

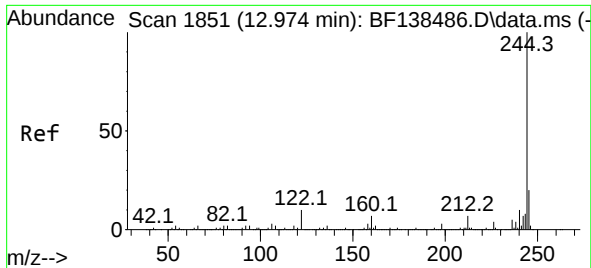


#78
Pyrene
Concen: 45.939 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25



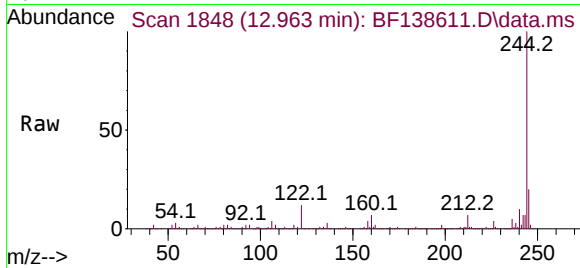
Tgt Ion:202 Resp: 777700
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 17.7 13.7 20.5





#79
 Terphenyl-d14
 Concen: 100.780 ng
 RT: 12.963 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138611.D
 Acq: 23 Jul 2024 11:25

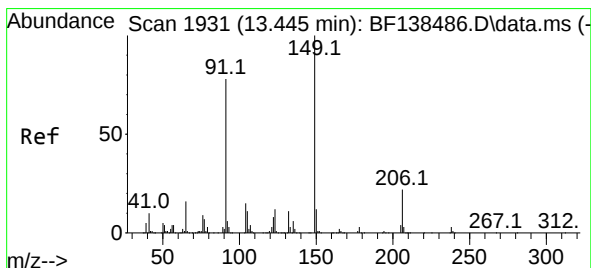
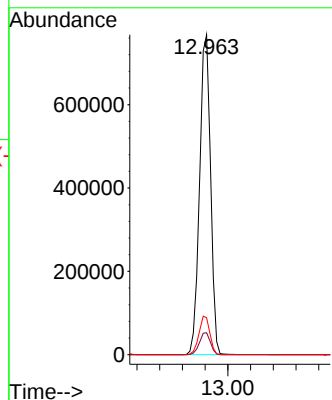
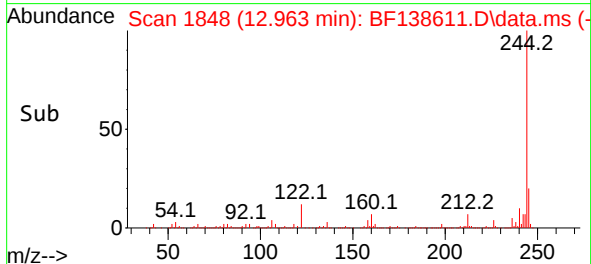
Instrument :
 BNA_F
 ClientSampleId :
 PB162188BS



Tgt Ion:244 Resp: 1031652
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 11.6 7.8 11.8

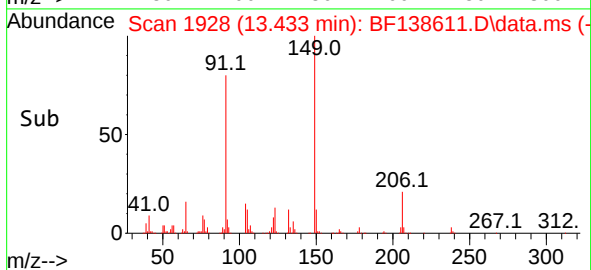
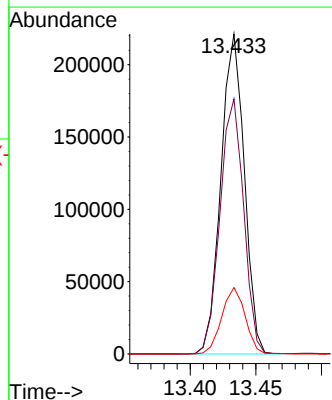
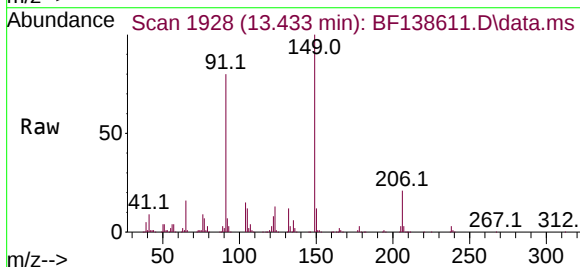
Manual Integrations
 APPROVED

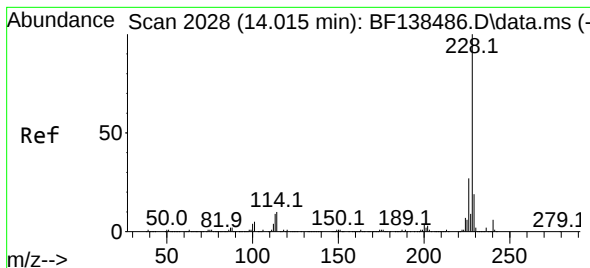
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/30/2024



#80
 Butylbenzylphthalate
 Concen: 53.817 ng
 RT: 13.433 min Scan# 1928
 Delta R.T. -0.012 min
 Lab File: BF138611.D
 Acq: 23 Jul 2024 11:25

Tgt Ion:149 Resp: 274068
 Ion Ratio Lower Upper
 149 100
 91 79.7 62.1 93.1
 206 20.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 48.224 ng

RT: 14.004 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:228 Resp: 53963

Ion Ratio Lower Upper

228 100

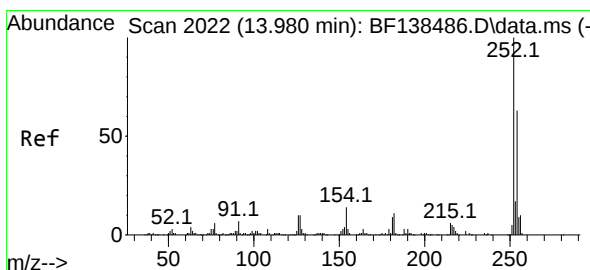
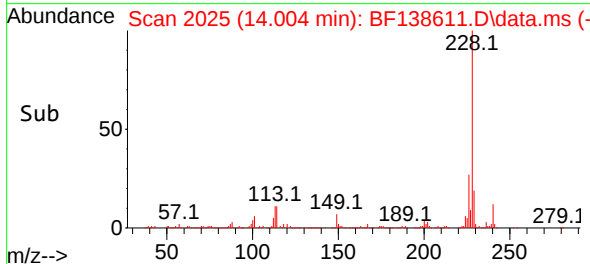
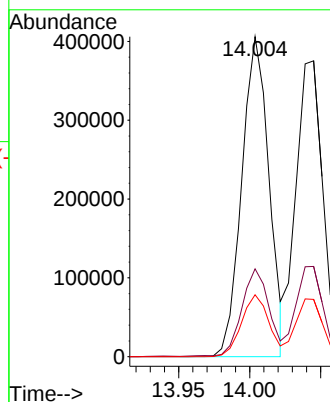
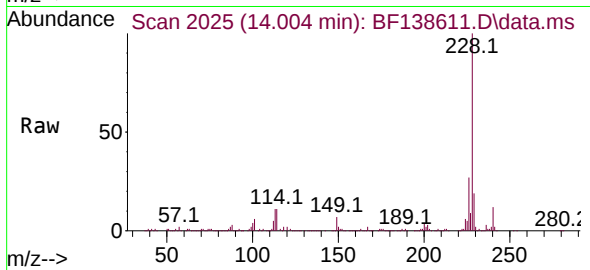
226 27.4 21.9 32.9

229 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#82

3,3'-Dichlorobenzidine

Concen: 33.189 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

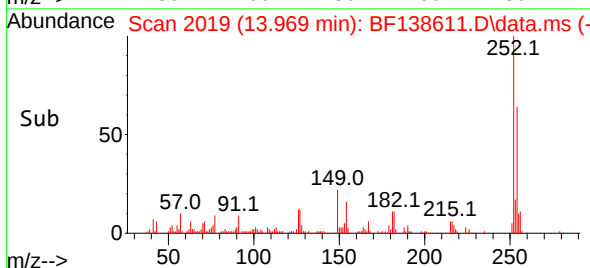
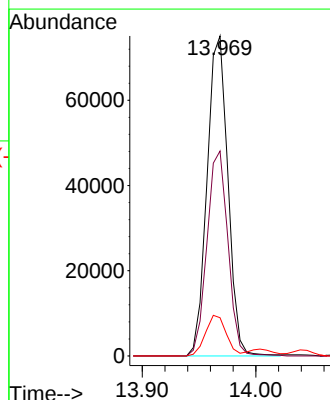
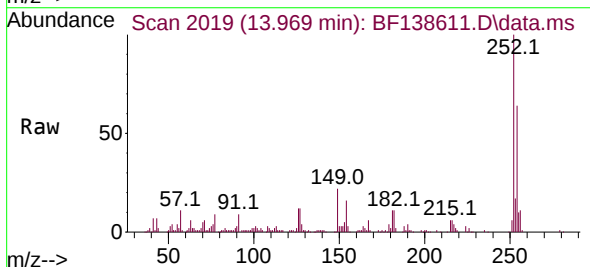
Tgt Ion:252 Resp: 95698

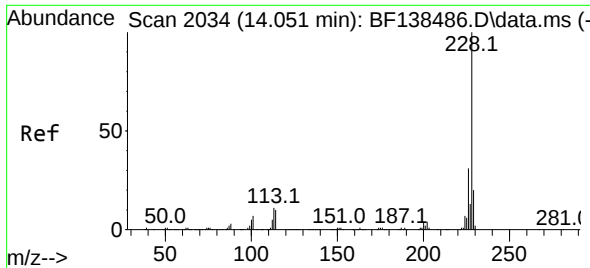
Ion Ratio Lower Upper

252 100

254 64.1 50.3 75.5

126 11.9 8.1 12.1





#83
Chrysene
Concen: 46.712 ng
RT: 14.045 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

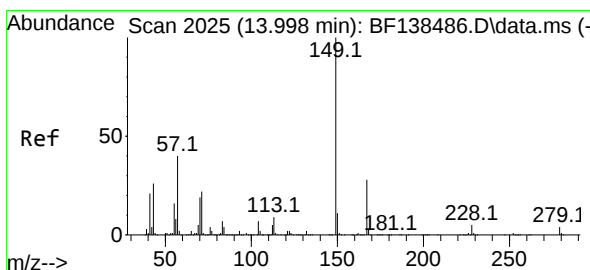
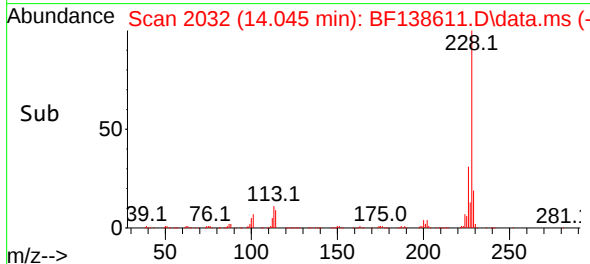
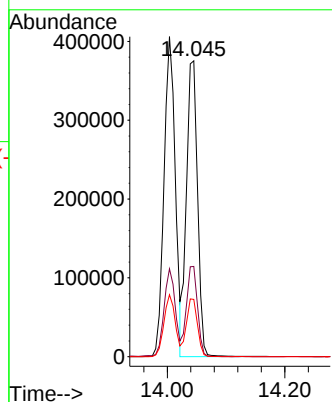
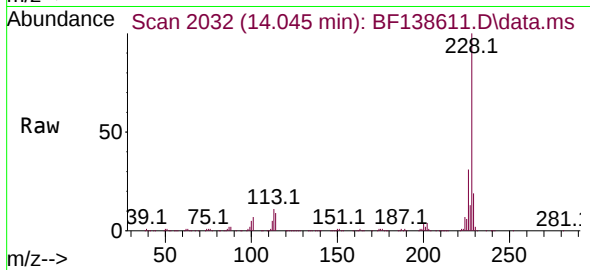
PB162188BS

Tgt Ion:228 Resp: 49448
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 19.4 16.0 24.0

Manual Integrations

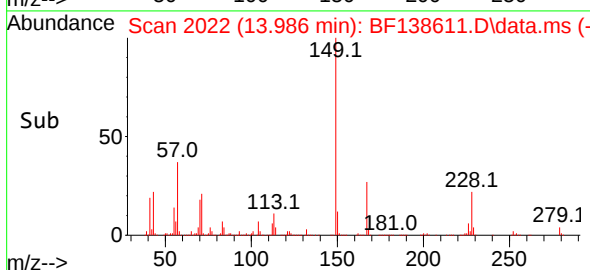
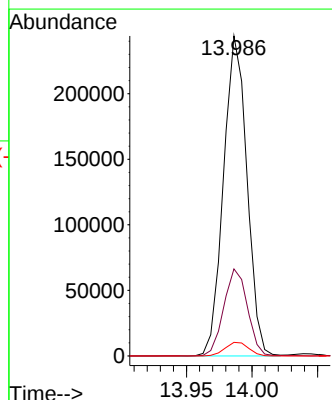
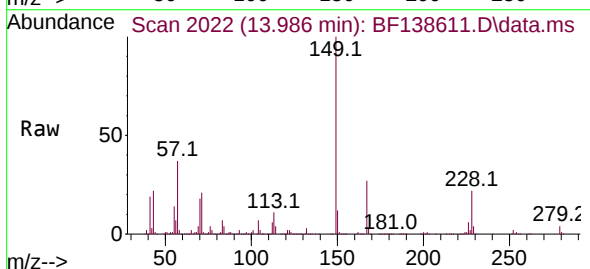
APPROVED

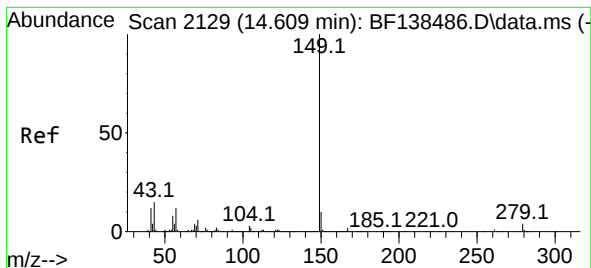
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 55.837 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:149 Resp: 303269
Ion Ratio Lower Upper
149 100
167 27.2 22.5 33.7
279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 48.595 ng

RT: 14.598 min Scan# 2126

Delta R.T. -0.011 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

PB162188BS

Tgt Ion:149 Resp: 41695

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

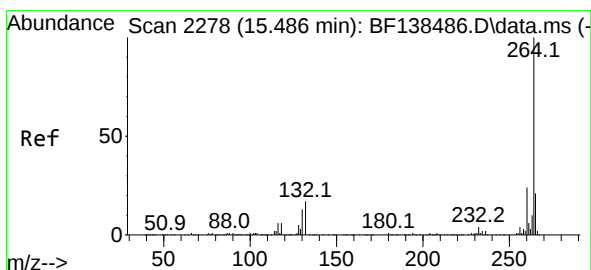
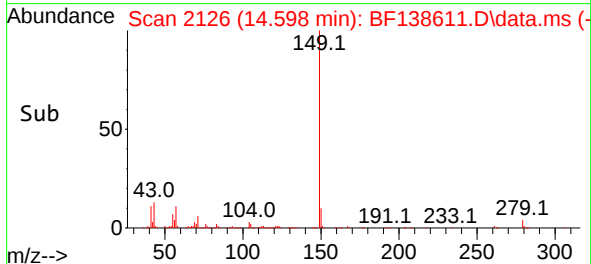
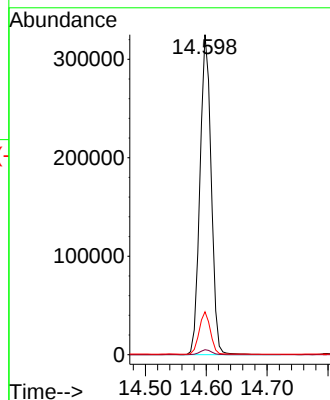
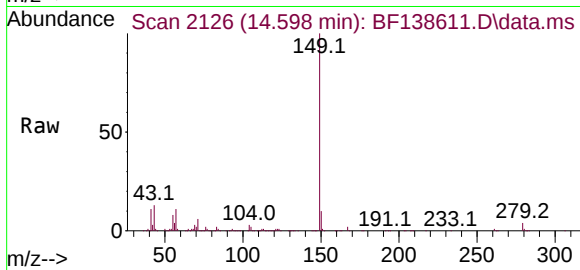
43 13.1 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF138611.D

Acq: 23 Jul 2024 11:25

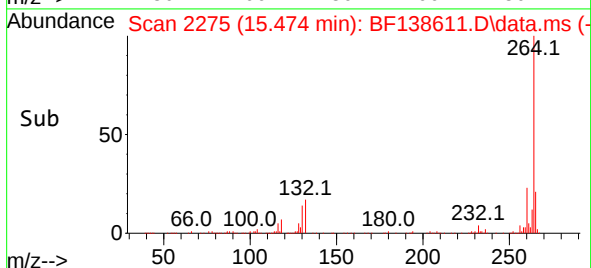
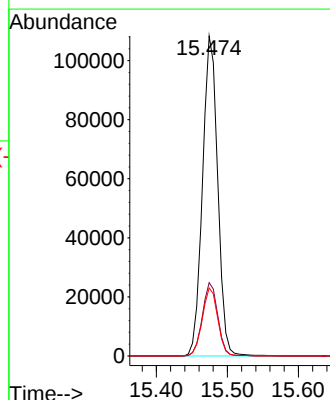
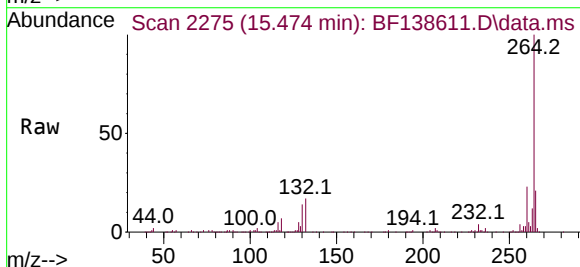
Tgt Ion:264 Resp: 161601

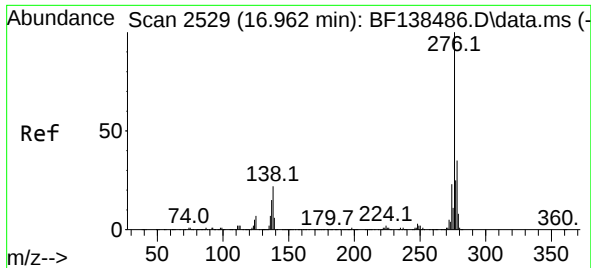
Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.2 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 48.809 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

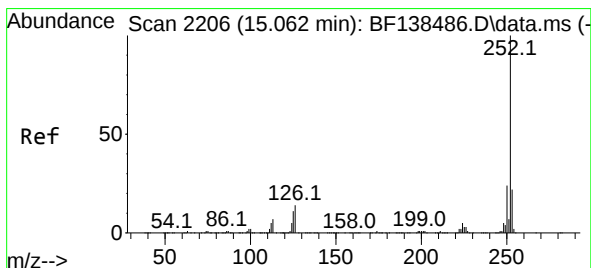
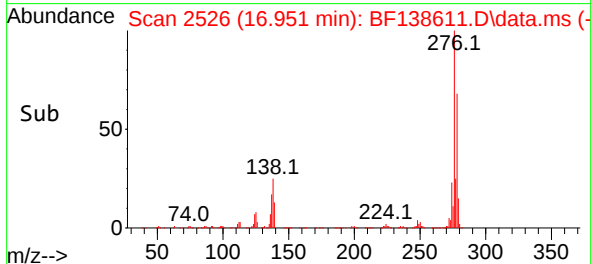
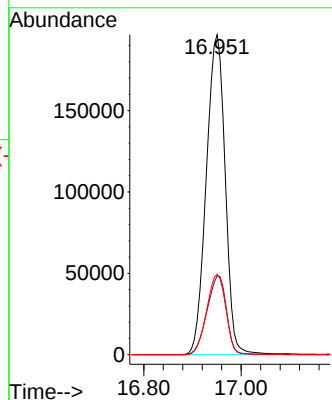
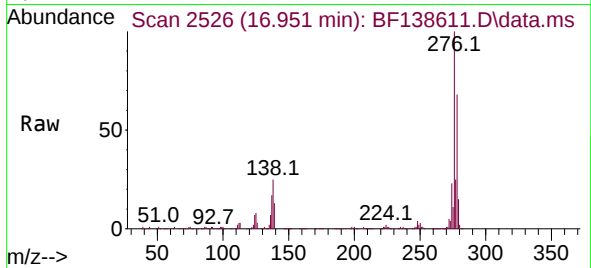
PB162188BS

Tgt Ion:276 Resp: 529808
Ion Ratio Lower Upper
276 100
138 25.3 19.6 29.4
277 25.5 20.5 30.7

Manual Integrations

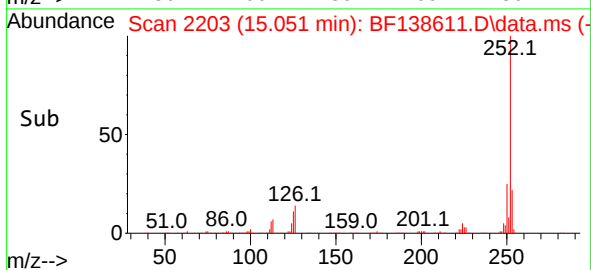
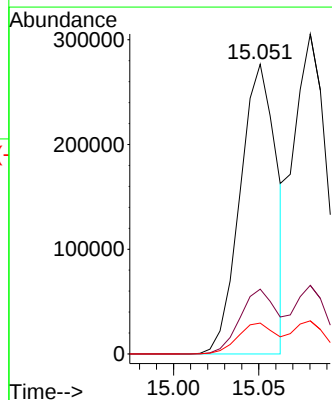
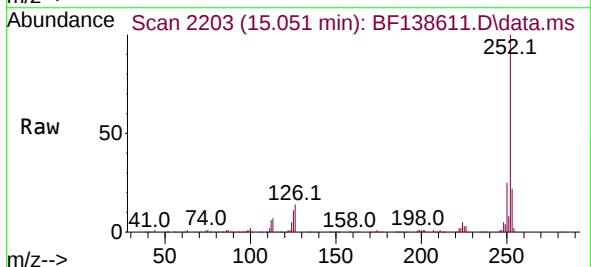
APPROVED

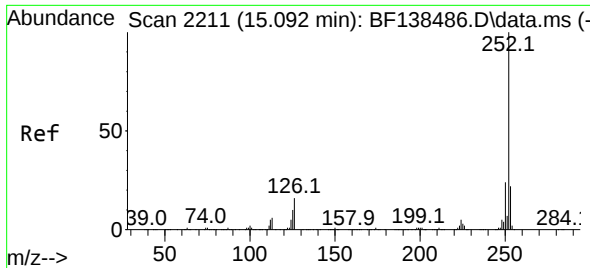
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#88
Benzo(b)fluoranthene
Concen: 45.059 ng
RT: 15.051 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Tgt Ion:252 Resp: 410081
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.6 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 46.854 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

Instrument :

BNA_F

ClientSampleId :

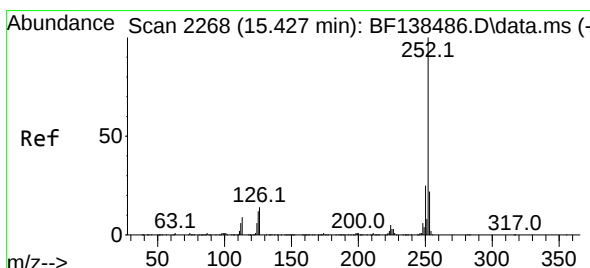
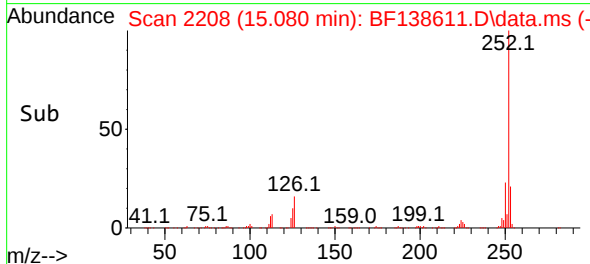
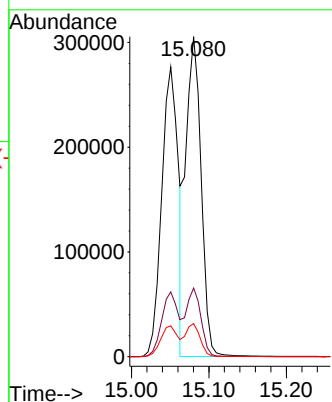
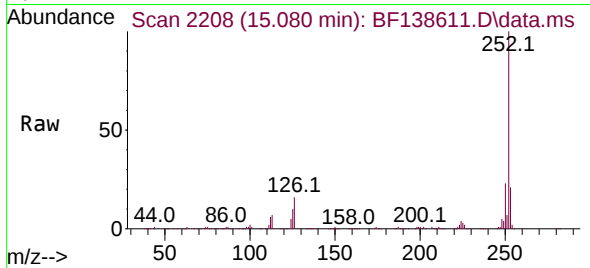
PB162188BS

Tgt Ion:252 Resp: 415870
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 10.4 8.1 12.1

Manual Integrations

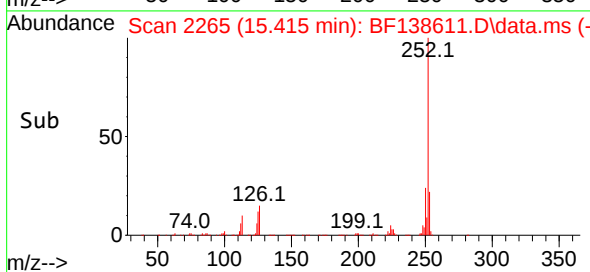
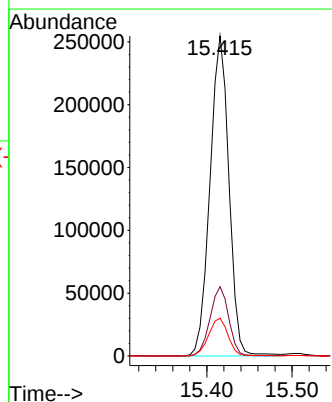
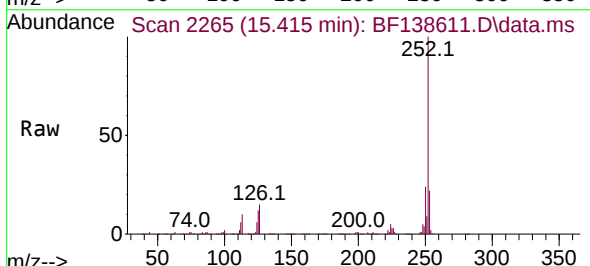
APPROVED

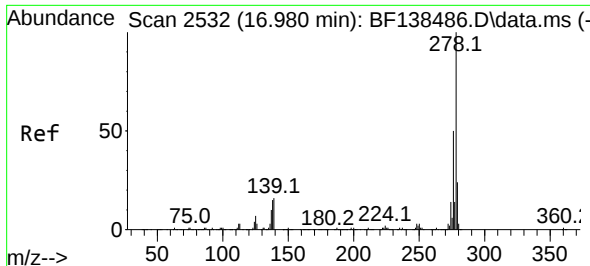
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#90
Benzo(a)pyrene
Concen: 49.310 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

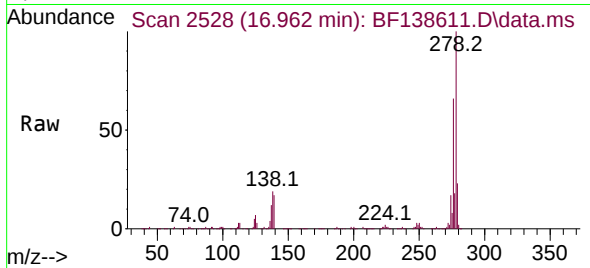
Tgt Ion:252 Resp: 394220
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 11.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 47.632 ng
RT: 16.962 min Scan# 2528
Delta R.T. -0.017 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25

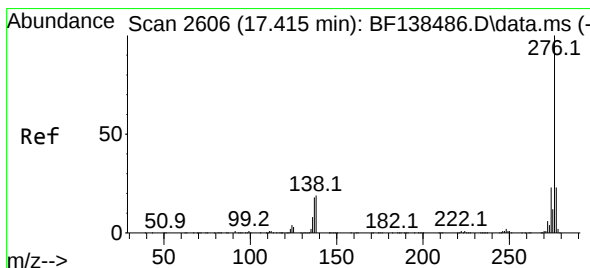
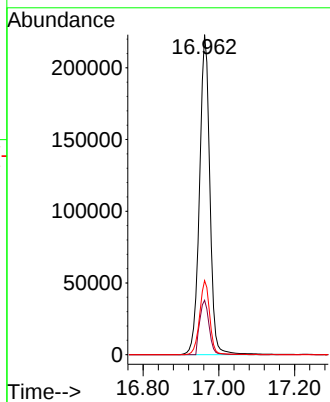
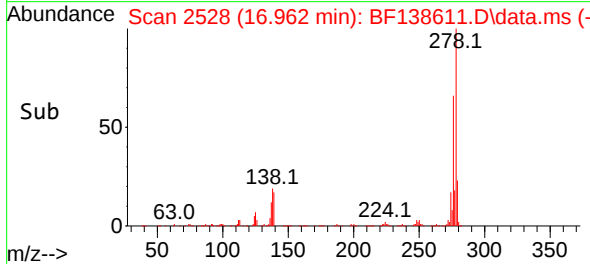
Instrument :
BNA_F
ClientSampleId :
PB162188BS



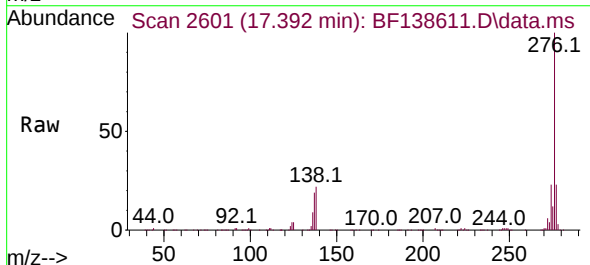
Tgt Ion:278 Resp: 422940
Ion Ratio Lower Upper
278 100
139 17.0 12.8 19.2
279 23.1 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/30/2024



#92
Benzo(g,h,i)perylene
Concen: 44.674 ng
RT: 17.392 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF138611.D
Acq: 23 Jul 2024 11:25



Tgt Ion:276 Resp: 420633
Ion Ratio Lower Upper
276 100
277 23.3 18.0 27.0
138 21.7 15.5 23.3

