

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064627.D
 Acq On : 29 Oct 2025 17:34
 Operator : RC/JU
 Sample : Q3419-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Quant Time: Nov 04 06:46:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	30488	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	121320	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	93614	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	229619	20.000	ng	0.00
76) Chrysene-d12	21.853	240	271892	20.000	ng	# 0.00
86) Perylene-d12	25.191	264	296767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	173396	95.462	ng	0.00
7) Phenol-d6	7.353	99	248444	99.678	ng	0.00
23) Nitrobenzene-d5	9.380	82	155421	76.945	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	166810	123.459	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	372604	60.330	ng	0.00
79) Terphenyl-d14	20.167	244	870859	60.445	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.581	88	32986	41.019	ng	99
3) Pyridine	3.992	79	91699	37.972	ng	98
4) n-Nitrosodimethylamine	3.898	42	64506	49.810	ng	98
6) Aniline	7.529	93	110647	32.624	ng	97
8) 2-Chlorophenol	7.776	128	100885	53.064	ng	94
9) Benzaldehyde	7.335	77	47095	34.610	ng	96
10) Phenol	7.382	94	133081	48.280	ng	96
11) bis(2-Chloroethyl)ether	7.623	93	91218	45.010	ng	94
12) 1,3-Dichlorobenzene	8.111	146	106607	48.719	ng	100
13) 1,4-Dichlorobenzene	8.257	146	108820	48.908	ng	96
14) 1,2-Dichlorobenzene	8.575	146	107105	49.907	ng	97
15) Benzyl Alcohol	8.445	79	100831	49.058	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	245238	46.132	ng	99
17) 2-Methylphenol	8.645	107	92198	50.378	ng	96
18) Hexachloroethane	9.321	117	40540	51.921	ng	97
19) n-Nitroso-di-n-propyla...	9.021	70	83332	48.377	ng	98
20) 3+4-Methylphenols	8.974	107	125652	48.821	ng	98
22) Acetophenone	9.039	105	180237	54.347	ng	95
24) Nitrobenzene	9.421	77	121561	55.332	ng	95
25) Isophorone	9.955	82	240580	49.637	ng	98
26) 2-Nitrophenol	10.138	139	54118	62.810	ng	93
27) 2,4-Dimethylphenol	10.196	122	103937	57.650	ng	88
28) bis(2-Chloroethoxy)met...	10.431	93	132986	48.190	ng	97
29) 2,4-Dichlorophenol	10.678	162	109647	56.512	ng	99
30) 1,2,4-Trichlorobenzene	10.901	180	120137	54.496	ng	96
31) Naphthalene	11.095	128	328094	48.777	ng	100
32) Benzoic acid	10.320	122	89978	62.736	ng	90
33) 4-Chloroaniline	11.183	127	56519	21.618	ng	98
34) Hexachlorobutadiene	11.383	225	89758	52.062	ng	93
35) Caprolactam	11.947	113	37506m	50.400	ng	
36) 4-Chloro-3-methylphenol	12.288	107	122640	52.585	ng	96
37) 2-Methylnaphthalene	12.688	142	224108	45.380	ng	100
38) 1-Methylnaphthalene	12.905	142	231684	47.390	ng	95
40) 1,2,4,5-Tetrachloroben...	13.046	216	181893	57.895	ng	99
41) Hexachlorocyclopentadiene	13.034	237	218323	154.388	ng	99
43) 2,4,6-Trichlorophenol	13.275	196	105398	58.649	ng	97

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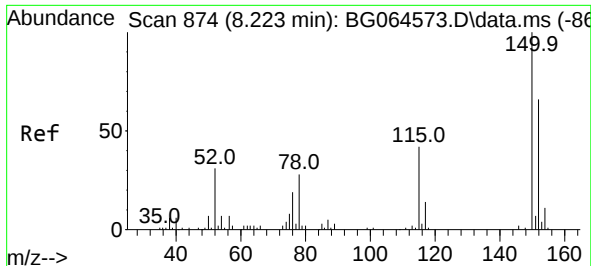
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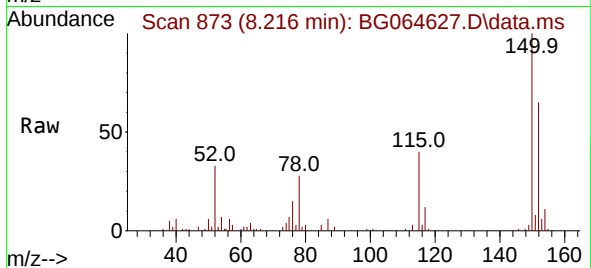
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	114236	55.084	ng	99
46) 1,1'-Biphenyl	13.680	154	374605	56.287	ng	98
47) 2-Chloronaphthalene	13.722	162	251555	50.074	ng	98
48) 2-Nitroaniline	13.910	65	95513	56.055	ng	95
49) Acenaphthylene	14.568	152	452550	57.112	ng	99
50) Dimethylphthalate	14.286	163	362240	50.569	ng	98
51) 2,6-Dinitrotoluene	14.397	165	72717	60.623	ng	97
52) Acenaphthene	14.903	154	312776	57.775	ng	99
53) 3-Nitroaniline	14.720	138	50027	40.637	ng	98
54) 2,4-Dinitrophenol	14.926	184	99300	132.948	ng	# 46
55) Dibenzofuran	15.237	168	444561	50.793	ng	100
56) 4-Nitrophenol	15.020	139	139148	121.914	ng	90
57) 2,4-Dinitrotoluene	15.179	165	108193	58.491	ng	99
58) Fluorene	15.884	166	345737	50.581	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.455	232	122956	62.001	ng	99
60) Diethylphthalate	15.643	149	365971	50.036	ng	98
61) 4-Chlorophenyl-phenyle...	15.872	204	195464	50.956	ng	99
62) 4-Nitroaniline	15.884	138	81463	59.481	ng	93
63) Azobenzene	16.160	77	358981	53.492	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	67553	64.726	ng	94
66) n-Nitrosodiphenylamine	16.078	169	317977	51.265	ng	98
67) 4-Bromophenyl-phenylether	16.765	248	141564	52.025	ng	96
68) Hexachlorobenzene	16.888	284	160884	51.826	ng	96
69) Atrazine	17.018	200	146978	55.064	ng	99
70) Pentachlorophenol	17.223	266	220117	113.709	ng	96
71) Phenanthrene	17.623	178	634368	50.519	ng	99
72) Anthracene	17.711	178	639545	50.069	ng	100
73) Carbazole	17.970	167	577061	51.232	ng	99
74) Di-n-butylphthalate	18.528	149	670737	51.496	ng	98
75) Fluoranthene	19.615	202	802773	51.033	ng	98
77) Benzidine	19.779	184	255069	41.873	ng	98
78) Pyrene	19.973	202	842015	47.400	ng	99
80) Butylbenzylphthalate	20.849	149	309969	57.734	ng	99
81) Benzo(a)anthracene	21.836	228	915343	50.774	ng	99
82) 3,3'-Dichlorobenzidine	21.736	252	166879	27.720	ng	96
83) Chrysene	21.900	228	868130	50.608	ng	98
84) Bis(2-ethylhexyl)phtha...	21.742	149	450725	56.183	ng	98
85) Di-n-octyl phthalate	22.999	149	774721	57.277	ng	99
87) Indeno(1,2,3-cd)pyrene	29.033	276	1117747	51.200	ng	# 97
88) Benzo(b)fluoranthene	24.133	252	914206	50.237	ng	99
89) Benzo(k)fluoranthene	24.209	252	937496	51.482	ng	97
90) Benzo(a)pyrene	25.044	252	883679	52.828	ng	100
91) Dibenzo(a,h)anthracene	29.109	278	916893	51.696	ng	98
92) Benzo(g,h,i)perylene	30.232	276	889128	52.478	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

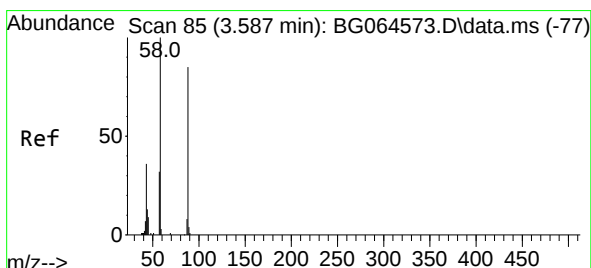
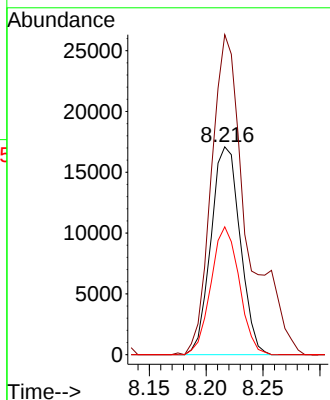
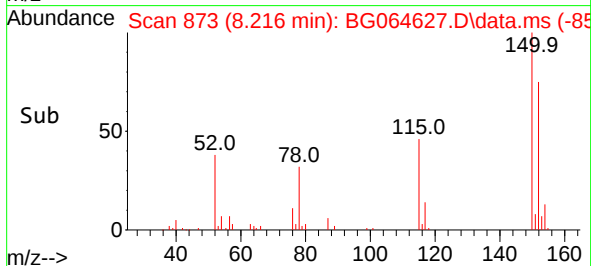
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:152 Resp: 3048
Ion Ratio Lower Upper
152 100
150 153.9 122.2 183.4
115 61.5 50.8 76.2

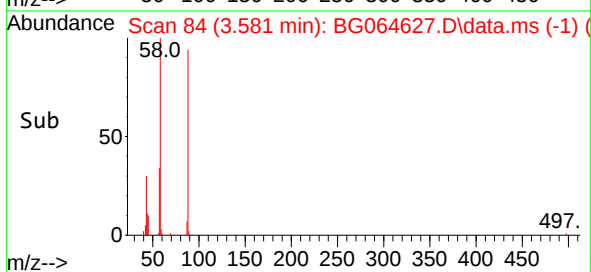
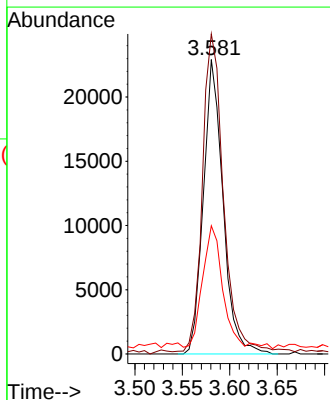
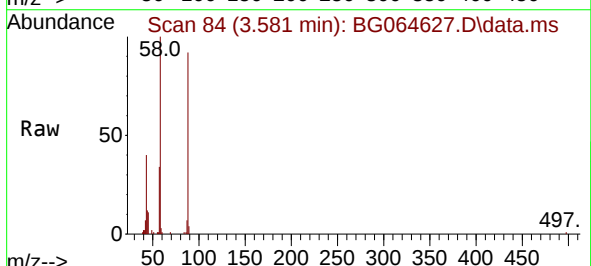
Manual Integrations
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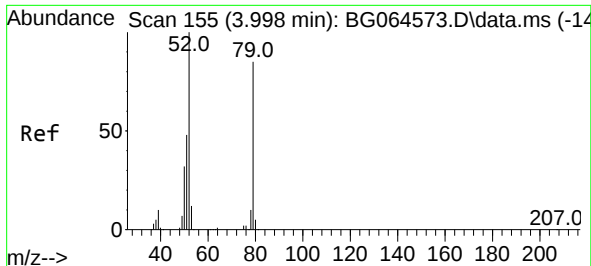
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#2
1,4-Dioxane
Concen: 41.019 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

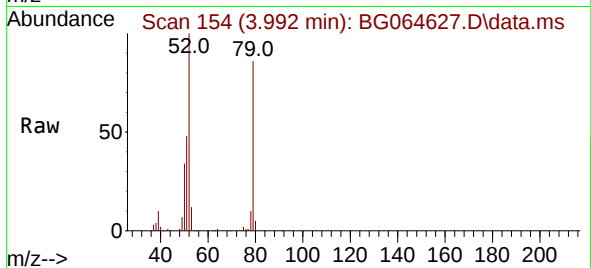
Tgt Ion: 88 Resp: 32986
Ion Ratio Lower Upper
88 100
58 115.1 92.4 138.6
43 44.0 33.0 49.6





#3
Pyridine
Concen: 37.972 ng
RT: 3.992 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

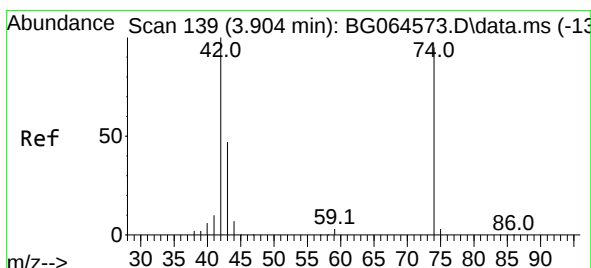
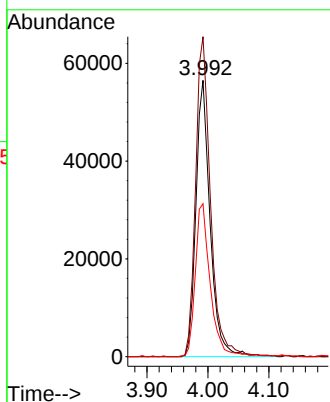
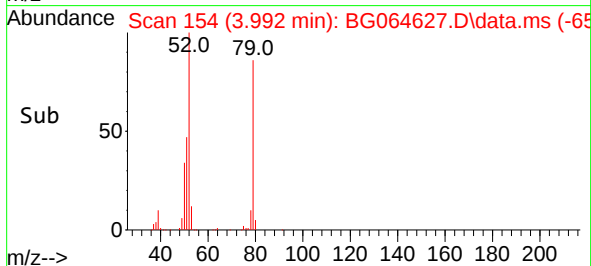
Instrument :
BNA_G
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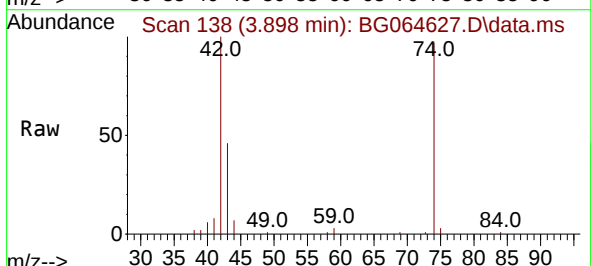
Tgt Ion: 79 Resp: 9169
Ion Ratio Lower Upper
79 100
52 115.8 94.2 141.2
51 55.3 46.1 69.1

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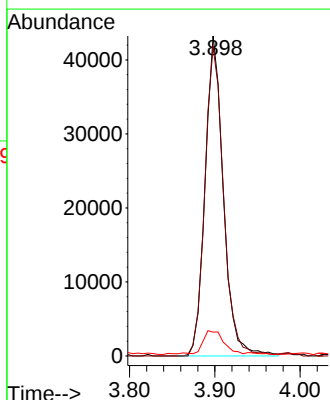
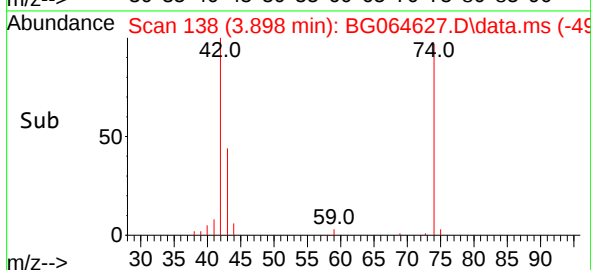
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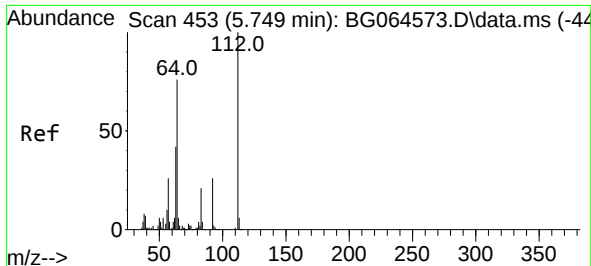


#4
n-Nitrosodimethylamine
Concen: 49.810 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



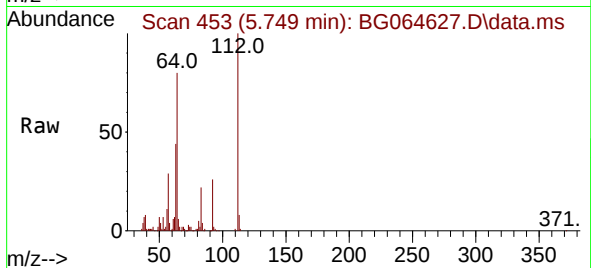
Tgt Ion: 42 Resp: 64506
Ion Ratio Lower Upper
42 100
74 96.6 76.1 114.1
44 7.4 6.3 9.5





#5
2-Fluorophenol
Concen: 95.462 ng
RT: 5.749 min Scan# 453
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

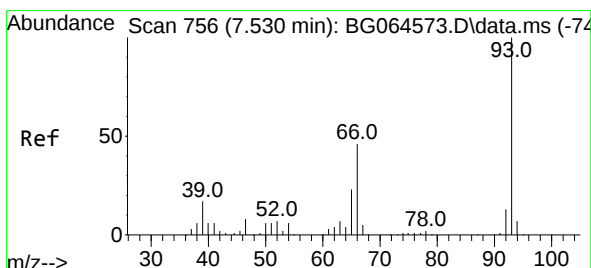
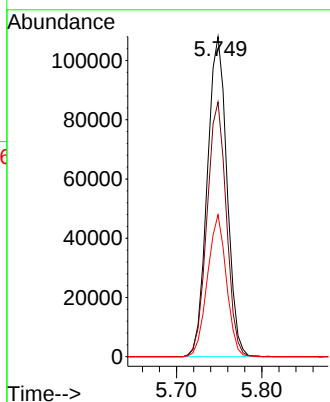
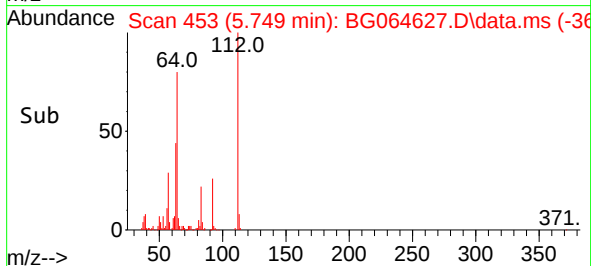
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 112 Resp: 173390
Ion Ratio Lower Upper
112 100
64 79.6 60.7 91.1
63 44.4 33.4 50.0

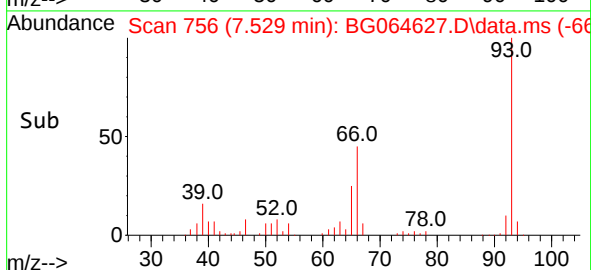
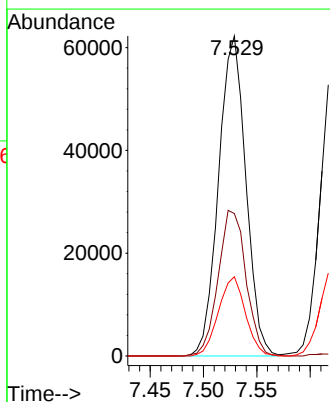
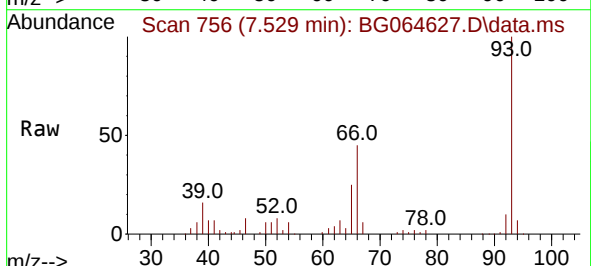
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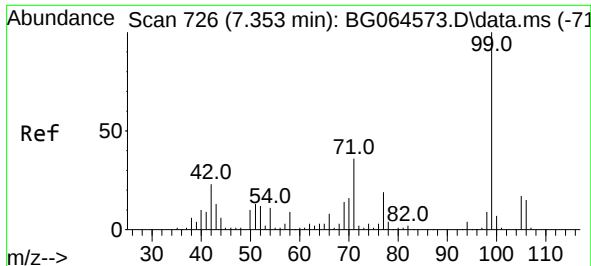
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#6
Aniline
Concen: 32.624 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

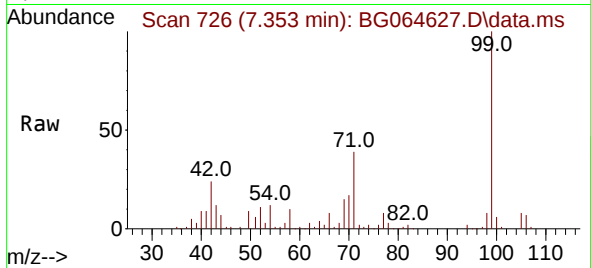
Tgt Ion: 93 Resp: 110647
Ion Ratio Lower Upper
93 100
66 44.5 37.0 55.6
65 24.7 18.3 27.5





#7
Phenol-d6
Concen: 99.678 ng
RT: 7.353 min Scan# 726
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

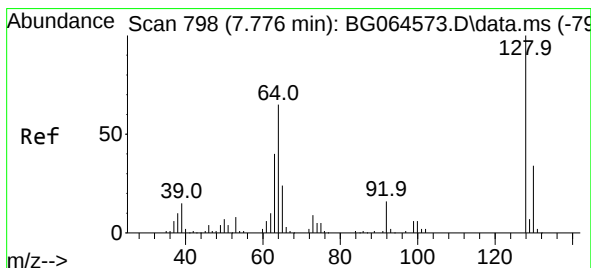
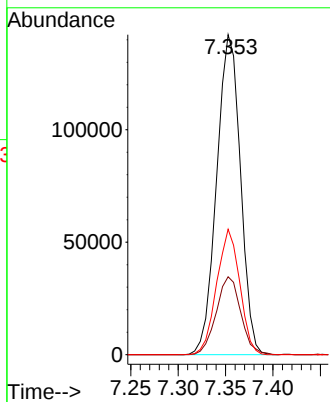
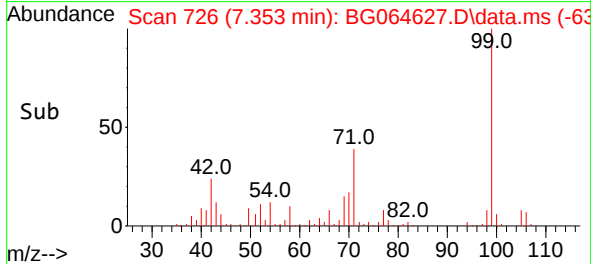
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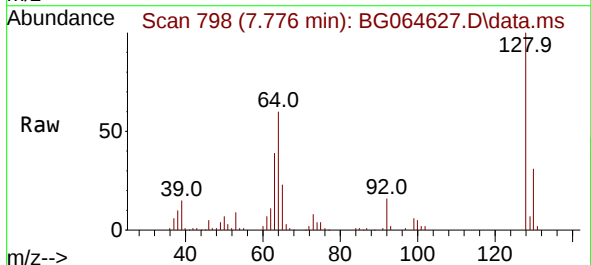
Tgt Ion: 99 Resp: 248444
Ion Ratio Lower Upper
99 100
42 24.4 18.3 27.5
71 39.2 28.6 43.0

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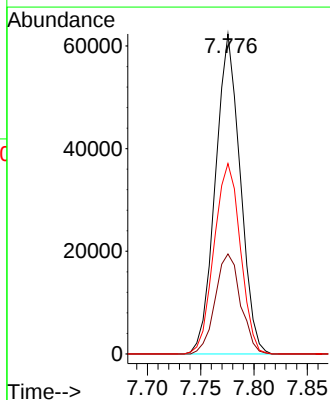
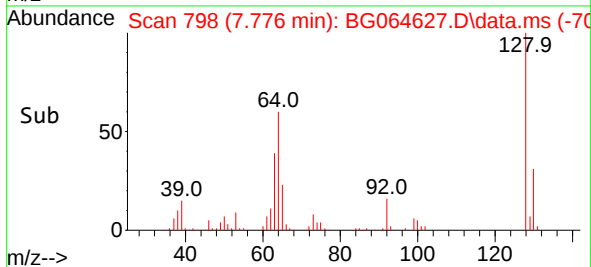
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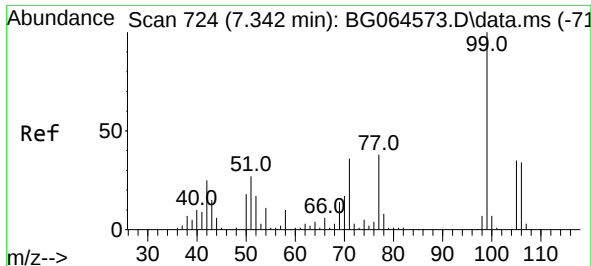


#8
2-Chlorophenol
Concen: 53.064 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



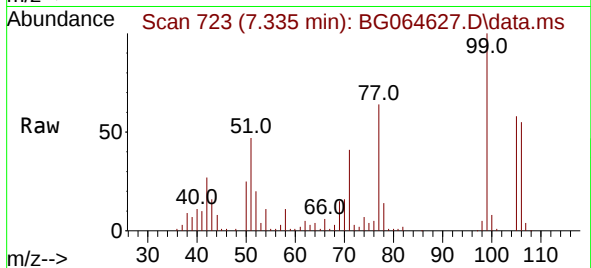
Tgt Ion:128 Resp: 100885
Ion Ratio Lower Upper
128 100
130 31.3 13.5 53.5
64 59.5 45.2 85.2





#9
Benzaldehyde
Concen: 34.610 ng
RT: 7.335 min Scan# 710
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

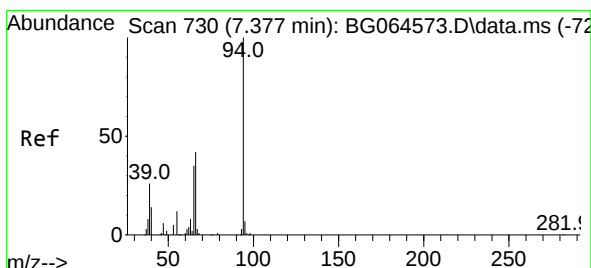
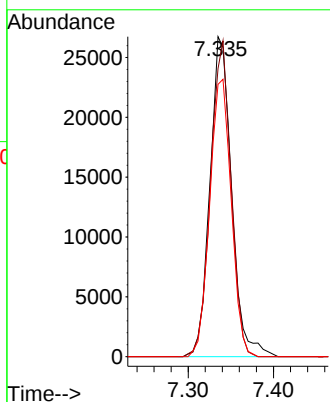
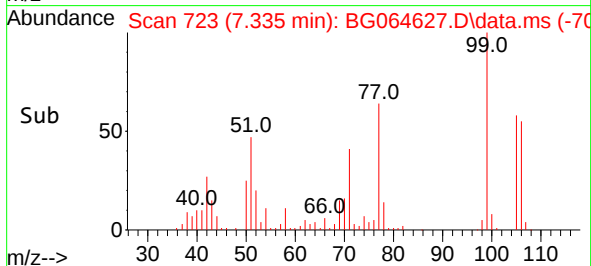
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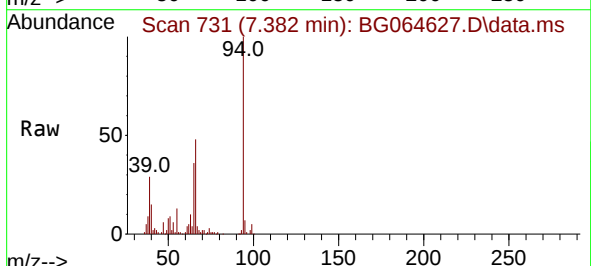
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Ion Ratio Lower Upper
77 100
105 90.0 72.9 112.9
106 85.1 70.8 110.8

Manual Integrations
APPROVED

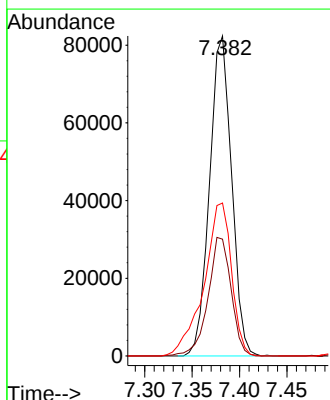
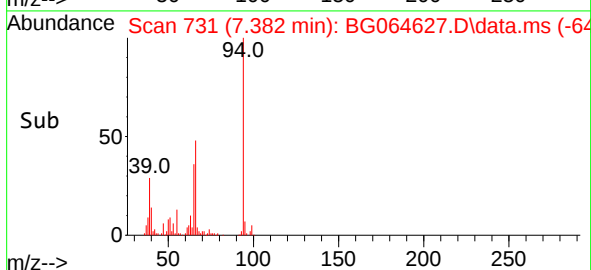
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#10
Phenol
Concen: 48.280 ng
RT: 7.382 min Scan# 731
Delta R.T. 0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



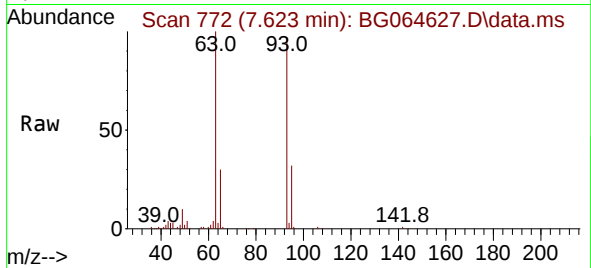
Tgt Ion: 94 Resp: 133081
Ion Ratio Lower Upper
94 100
65 36.5 15.8 55.8
66 47.8 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 45.010 ng
RT: 7.623 min Scan# 772
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

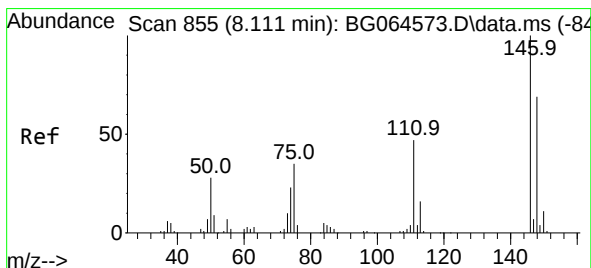
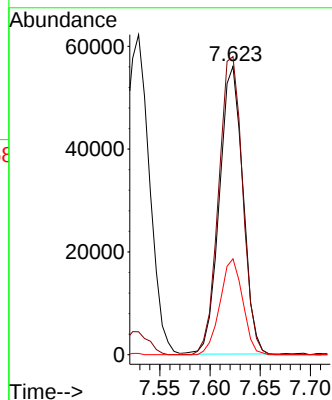
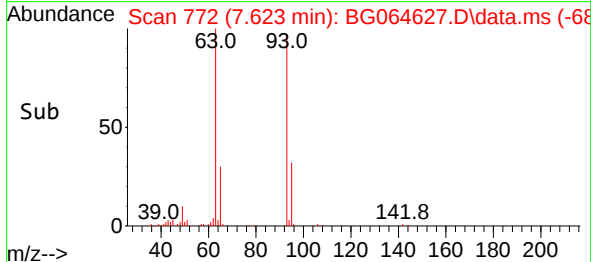
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion: 93 Resp: 91218
Ion Ratio Lower Upper
93 100
63 103.4 91.3 131.3
95 33.3 13.3 53.3

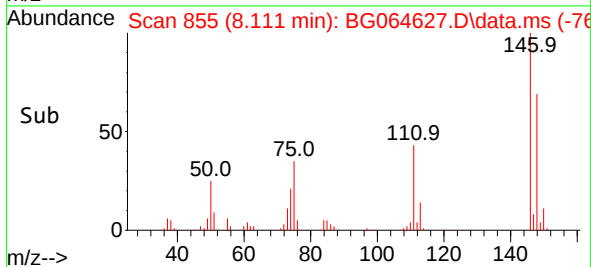
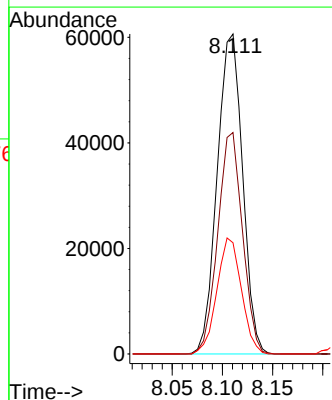
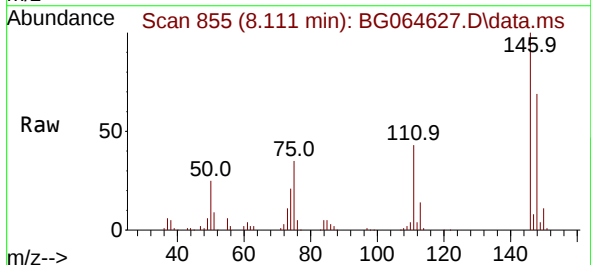
Manual Integrations
APPROVED

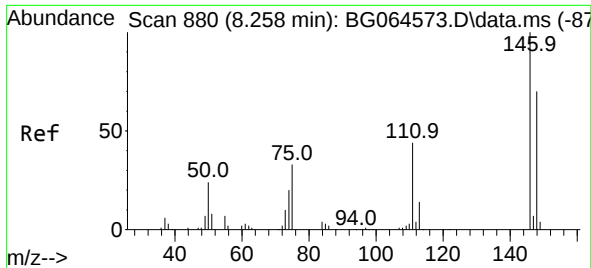
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 48.719 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

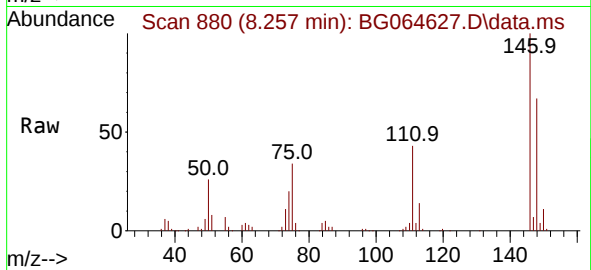
Tgt Ion:146 Resp: 106607
Ion Ratio Lower Upper
146 100
148 69.2 55.3 82.9
75 34.8 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 48.908 ng
RT: 8.257 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

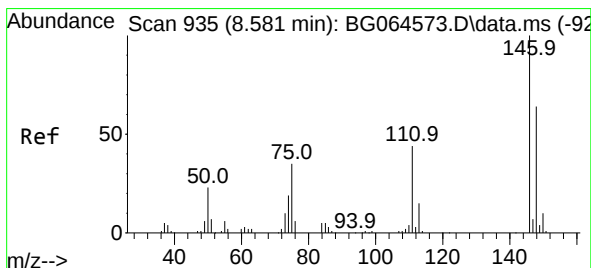
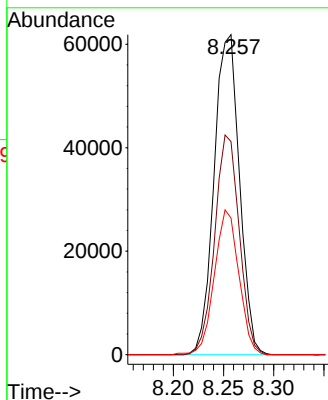
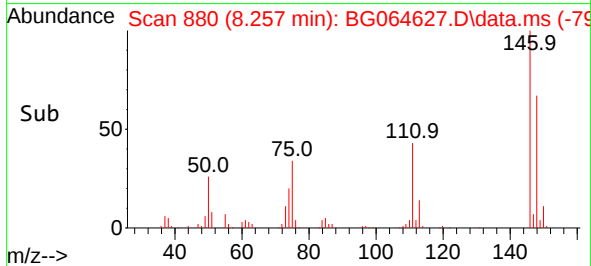
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



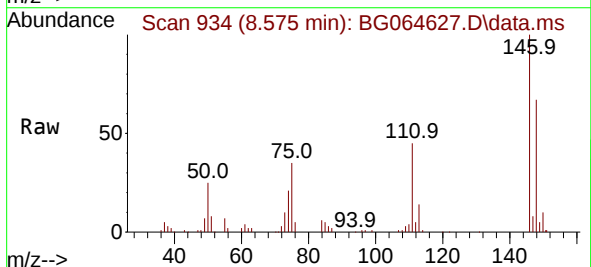
Tgt Ion:146 Resp: 108820
Ion Ratio Lower Upper
146 100
148 66.6 56.2 84.4
111 42.7 35.4 53.0

Manual Integrations
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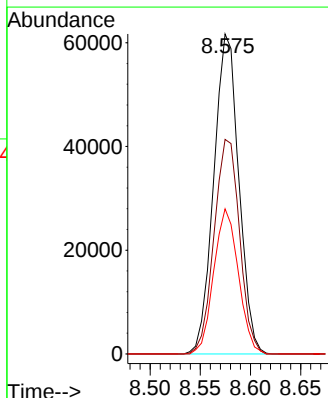
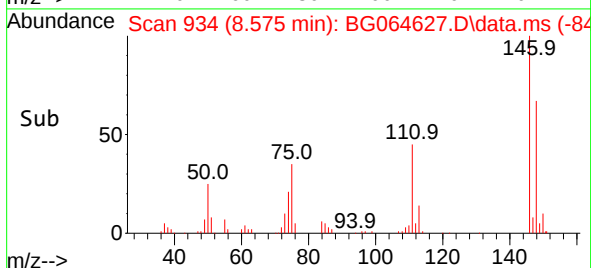
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#14
1,2-Dichlorobenzene
Concen: 49.907 ng
RT: 8.575 min Scan# 934
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



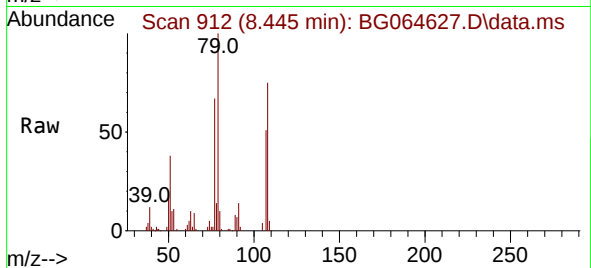
Tgt Ion:146 Resp: 107105
Ion Ratio Lower Upper
146 100
148 67.1 51.5 77.3
111 45.3 35.0 52.6





#15
Benzyl Alcohol
Concen: 49.058 ng
RT: 8.445 min Scan# 912
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

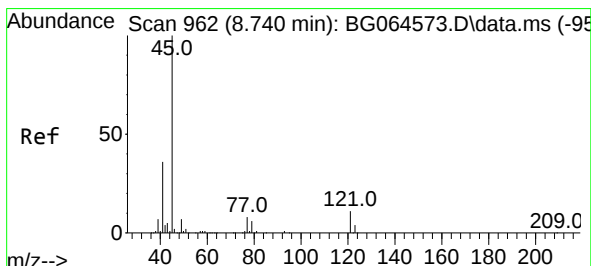
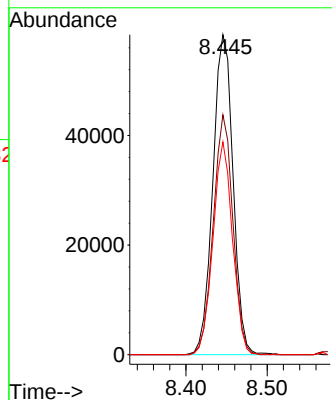
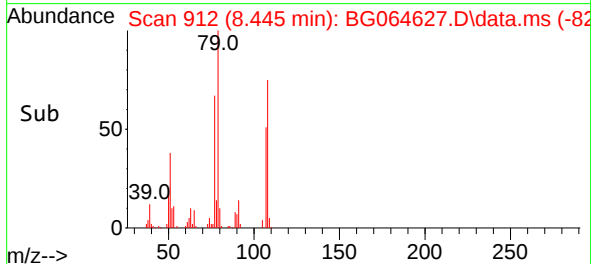
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



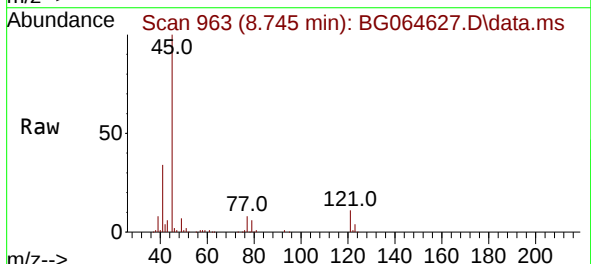
Tgt Ion: 79 Resp: 10083
Ion Ratio Lower Upper
79 100
108 75.0 58.1 87.1
77 66.5 52.8 79.2

Manual Integrations
APPROVED

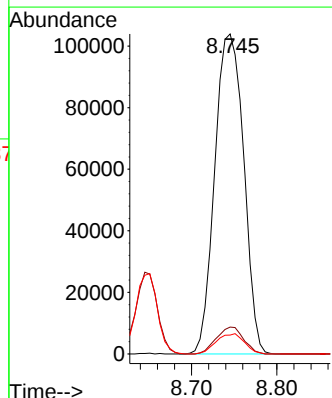
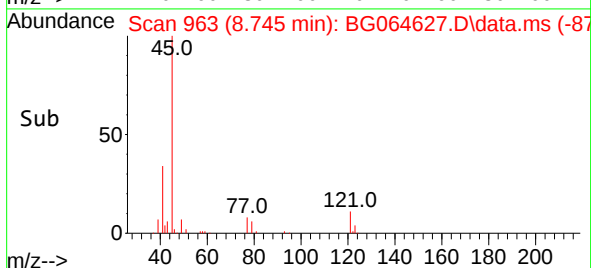
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.132 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



Tgt Ion: 45 Resp: 245238
Ion Ratio Lower Upper
45 100
77 8.4 0.0 28.5
79 5.9 0.0 25.6





#17

2-Methylphenol

Concen: 50.378 ng

RT: 8.645 min Scan# 947

Delta R.T. -0.007 min

Lab File: BG064627.D

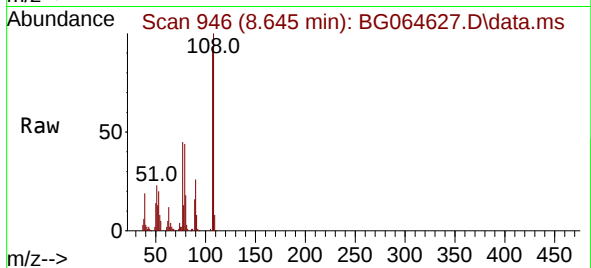
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:107 Resp: 92198

Ion Ratio Lower Upper

107 100

108 107.8 90.0 135.0

77 49.0 37.8 56.8

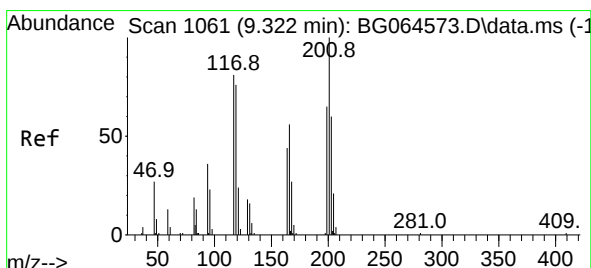
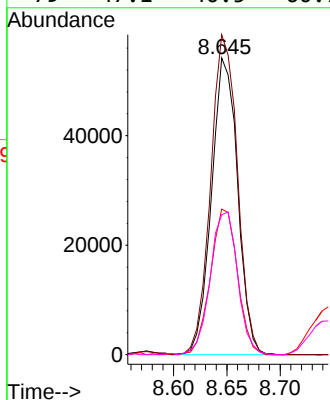
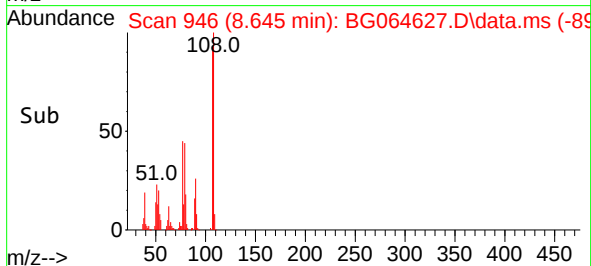
79 47.1 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#18

Hexachloroethane

Concen: 51.921 ng

RT: 9.321 min Scan# 1061

Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

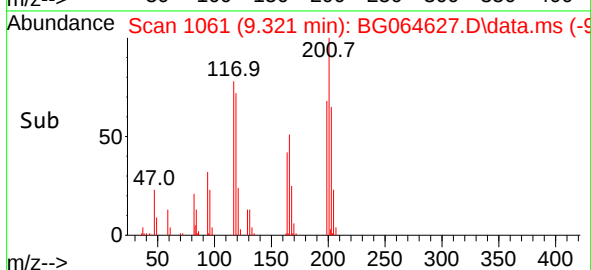
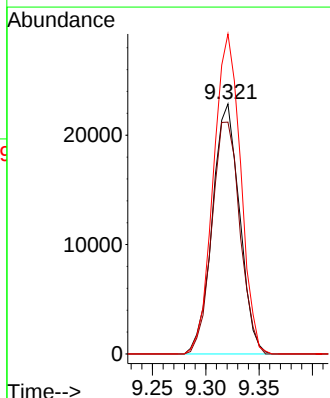
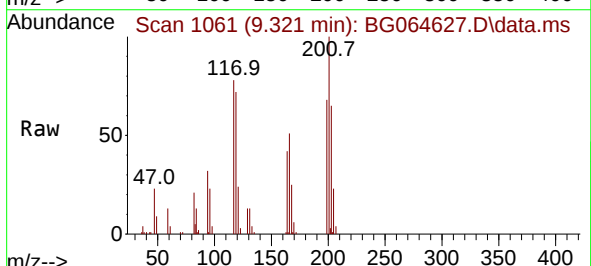
Tgt Ion:117 Resp: 40540

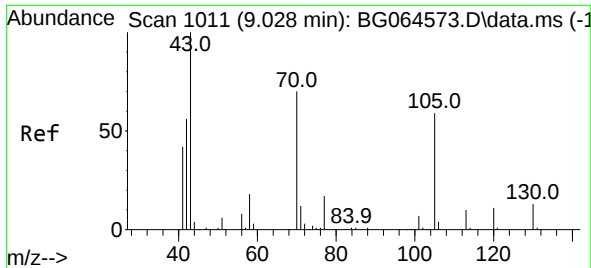
Ion Ratio Lower Upper

117 100

119 92.7 75.4 113.2

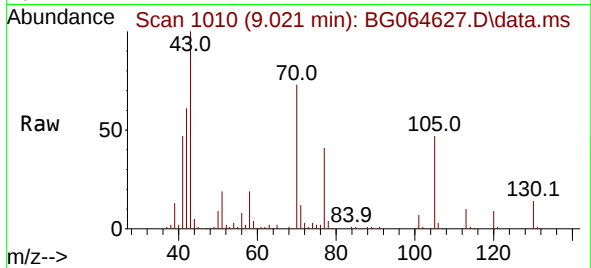
201 128.0 99.2 148.8





#19
n-Nitroso-di-n-propylamine
Concen: 48.377 ng
RT: 9.021 min Scan# 1011
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

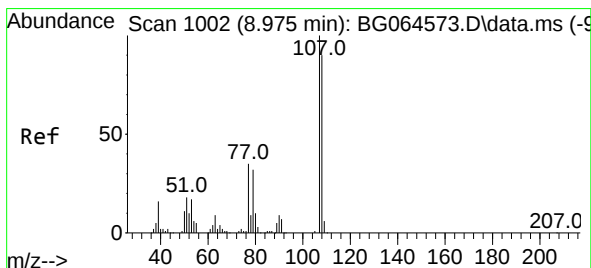
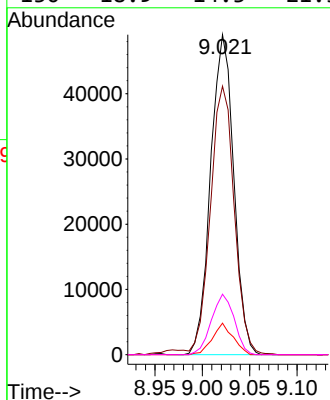
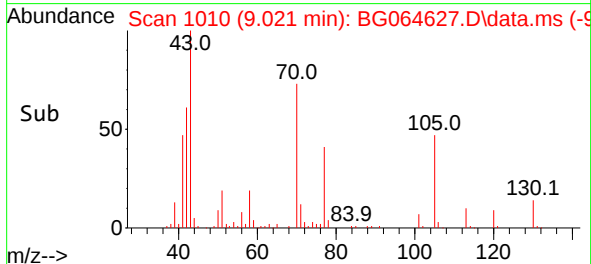
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion: 70 Resp: 8333
Ion Ratio Lower Upper
70 100
42 83.9 65.2 97.8
101 9.9 7.9 11.9
130 18.9 14.3 21.5

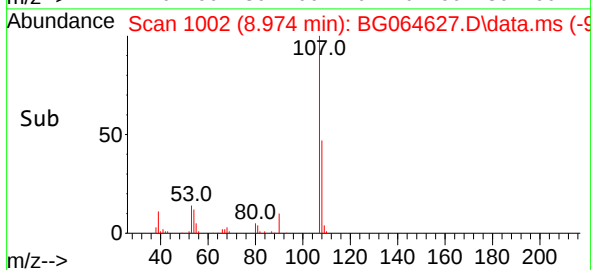
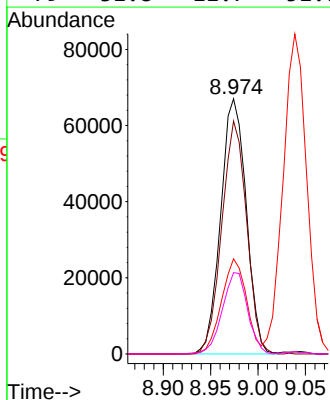
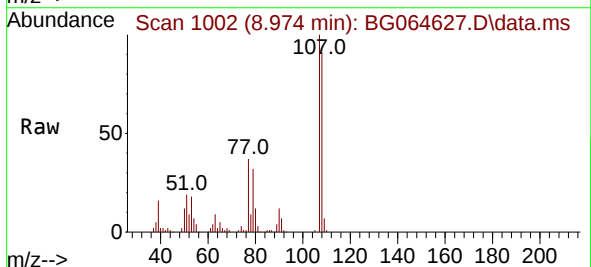
Manual Integrations
APPROVED

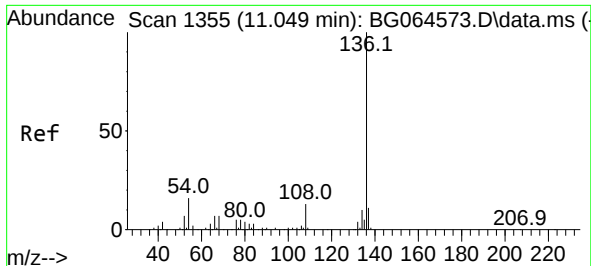
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#20
3+4-Methylphenols
Concen: 48.821 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

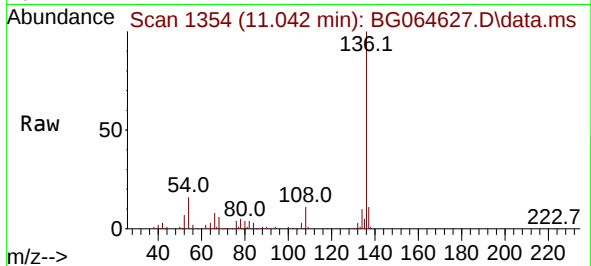
Tgt Ion:107 Resp: 125652
Ion Ratio Lower Upper
107 100
108 91.2 70.3 110.3
77 37.3 14.6 54.6
79 31.8 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 1103
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

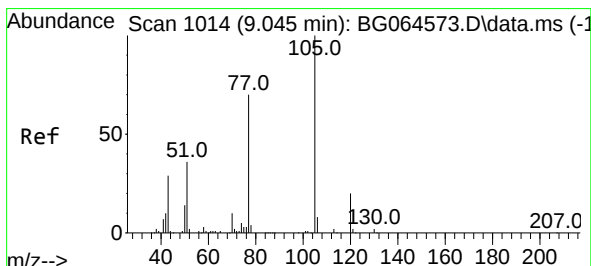
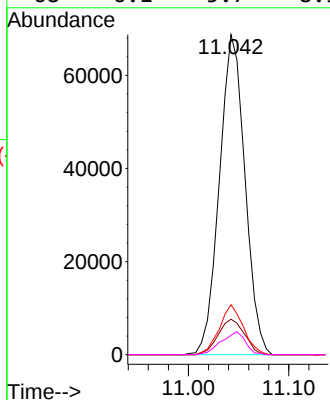
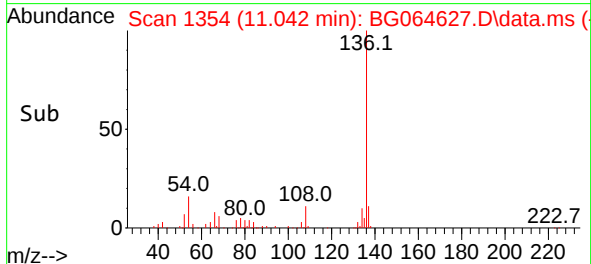
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:136 Resp: 121320
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 15.6 12.6 19.0
68 6.1 5.7 8.5

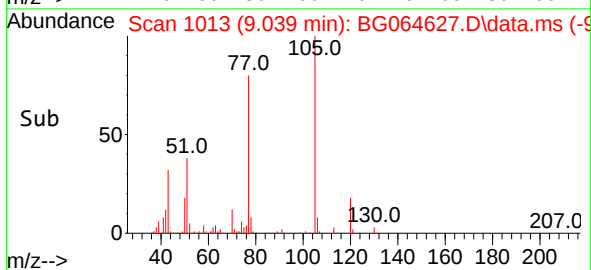
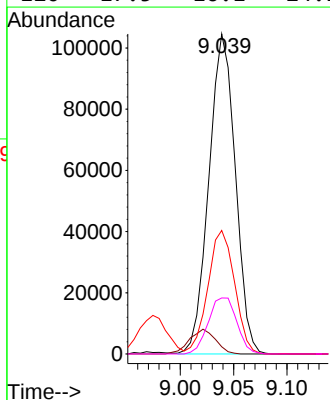
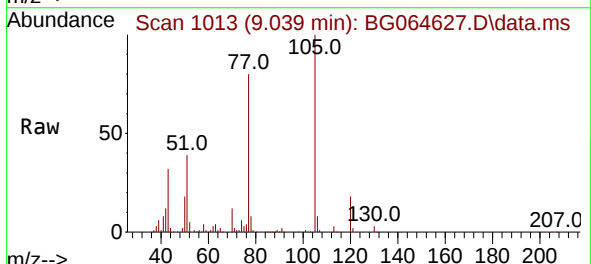
Manual Integrations
APPROVED

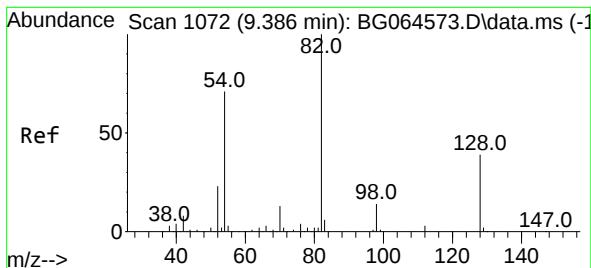
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 54.347 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:105 Resp: 180237
Ion Ratio Lower Upper
105 100
71 2.3 1.5 2.3
51 38.6 33.7 50.5
120 17.5 16.1 24.1





#23

Nitrobenzene-d5

Concen: 76.945 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.007 min

Lab File: BG064627.D

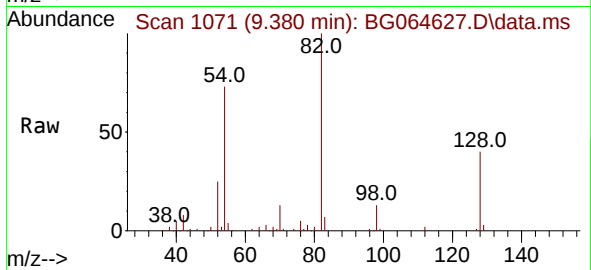
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



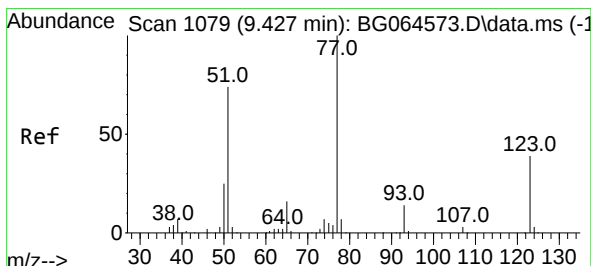
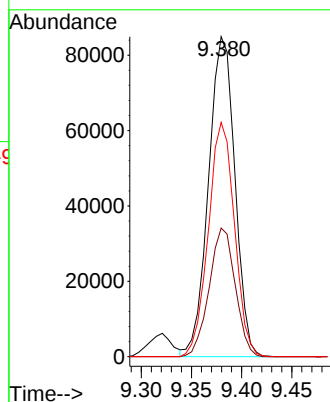
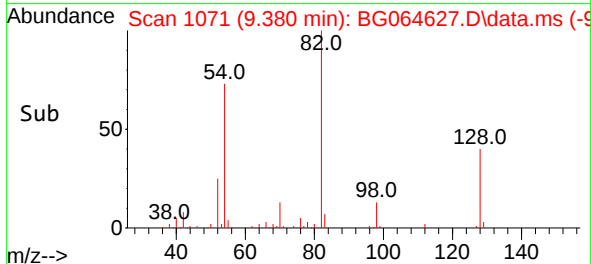
Tgt Ion: 82 Resp: 15542

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.3	46.9
54	73.2	56.6	84.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#24

Nitrobenzene

Concen: 55.332 ng

RT: 9.421 min Scan# 1078

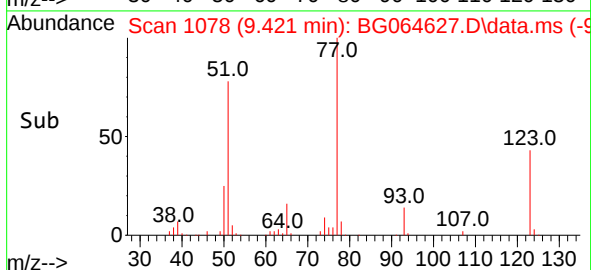
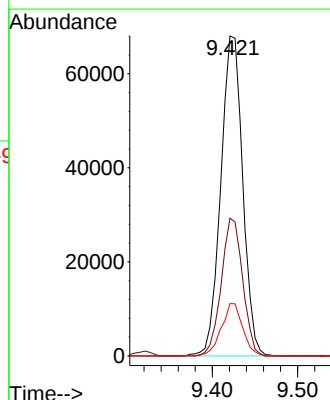
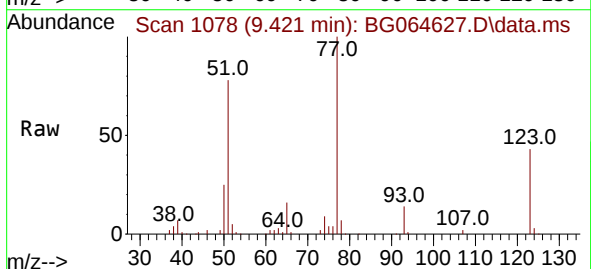
Delta R.T. -0.007 min

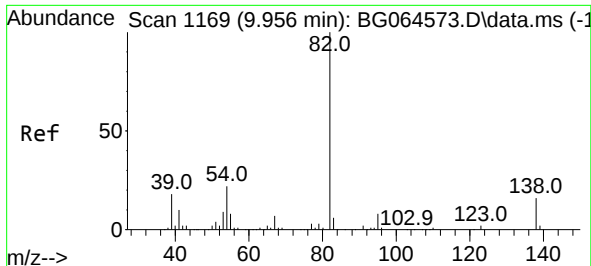
Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion: 77 Resp: 121561

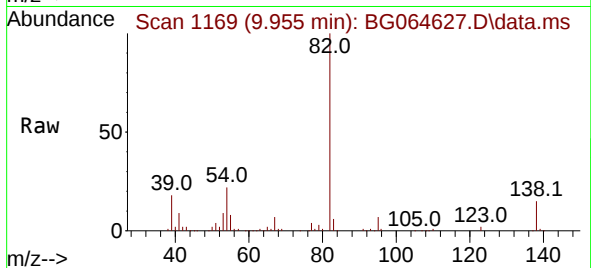
Ion	Ratio	Lower	Upper
77	100		
123	43.1	31.0	46.6
65	16.4	12.7	19.1





#25
Isophorone
Concen: 49.637 ng
RT: 9.955 min Scan# 1169
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

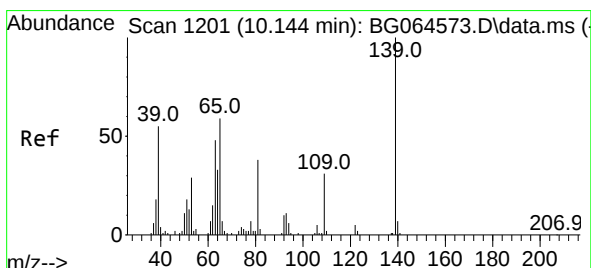
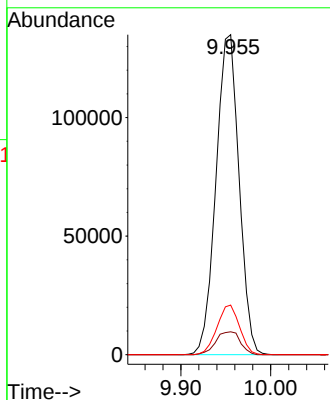
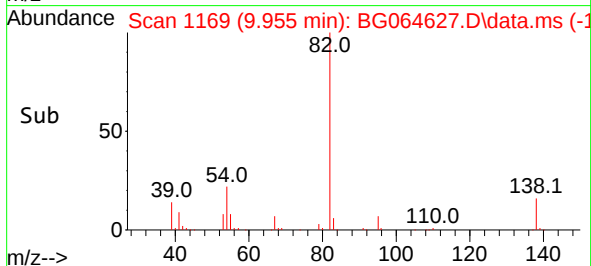
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 82 Resp: 240580
Ion Ratio Lower Upper
82 100
95 7.2 6.1 9.1
138 15.5 13.0 19.4

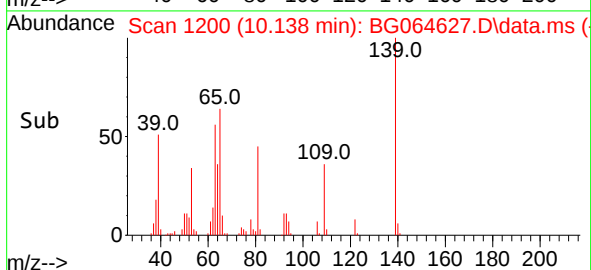
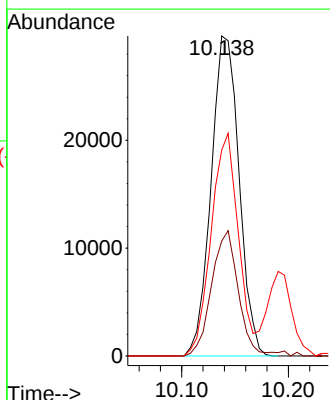
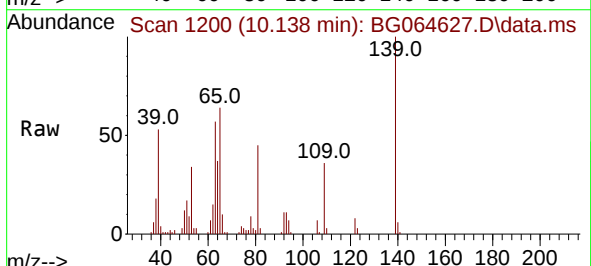
Manual Integrations
APPROVED

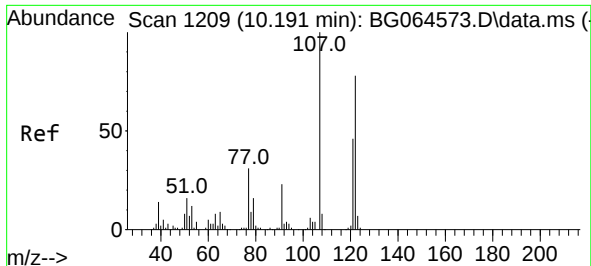
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#26
2-Nitrophenol
Concen: 62.810 ng
RT: 10.138 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

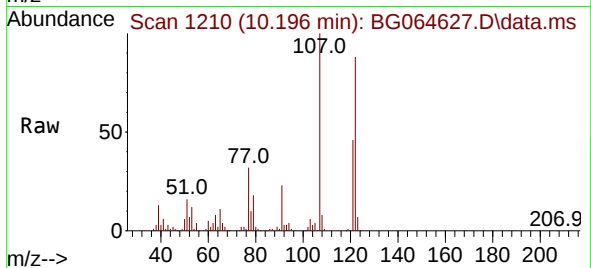
Tgt Ion:139 Resp: 54118
Ion Ratio Lower Upper
139 100
109 35.9 24.6 37.0
65 64.3 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 57.650 ng
RT: 10.196 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

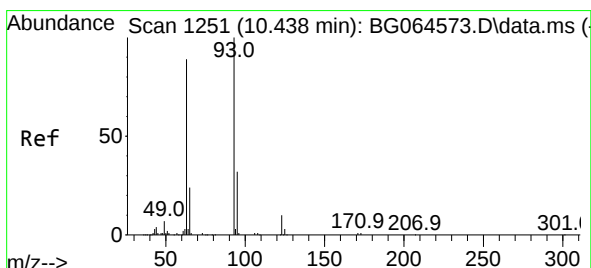
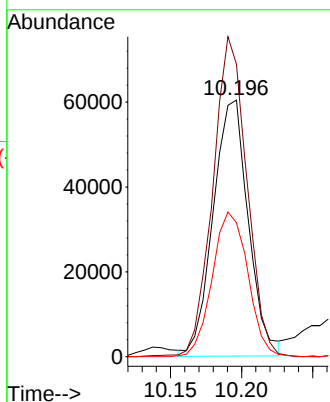
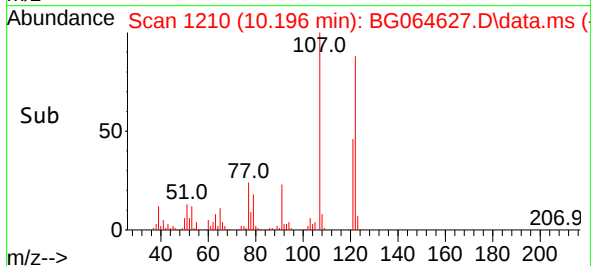
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:122 Resp: 10393
Ion Ratio Lower Upper
122 100
107 114.0 103.0 154.4
121 52.2 47.8 71.8

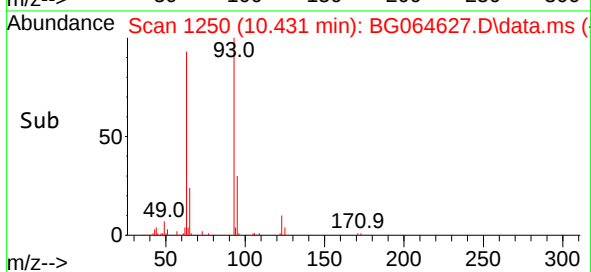
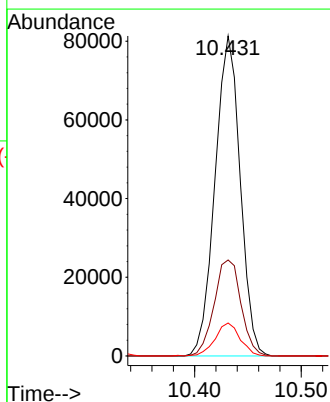
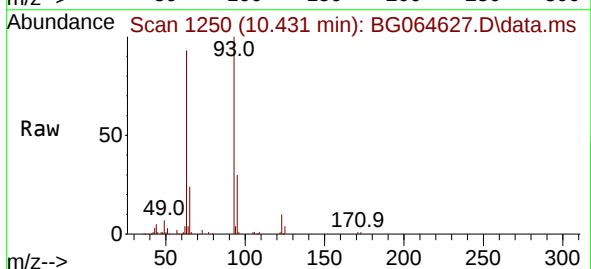
Manual Integrations
APPROVED

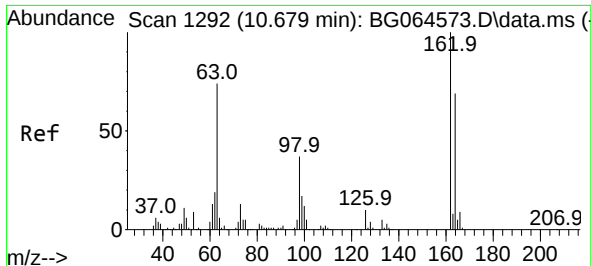
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#28
bis(2-Chloroethoxy)methane
Concen: 48.190 ng
RT: 10.431 min Scan# 1250
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

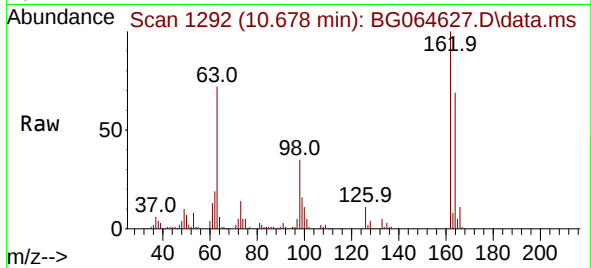
Tgt Ion: 93 Resp: 132986
Ion Ratio Lower Upper
93 100
95 30.0 25.4 38.2
123 10.3 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 56.512 ng
RT: 10.678 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

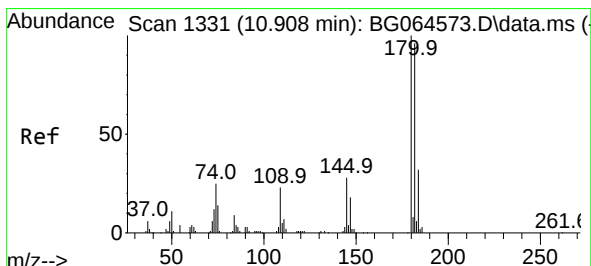
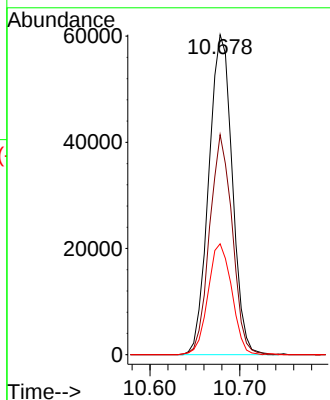
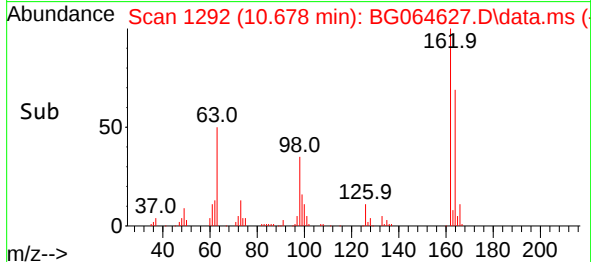
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



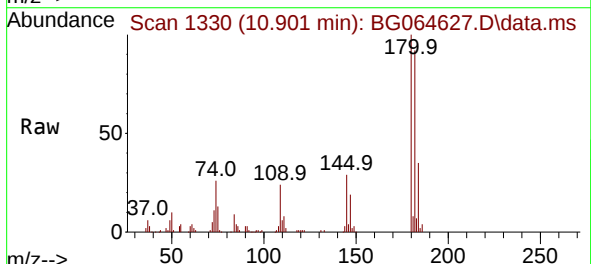
Tgt Ion:162 Resp: 10964
Ion Ratio Lower Upper
162 100
164 68.8 48.7 88.7
98 34.6 16.9 56.9

Manual Integrations
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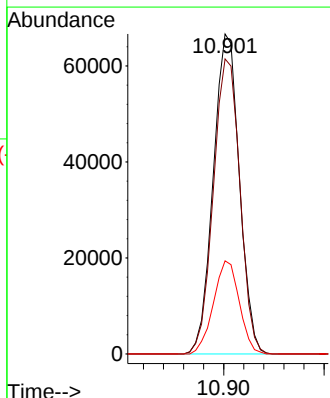
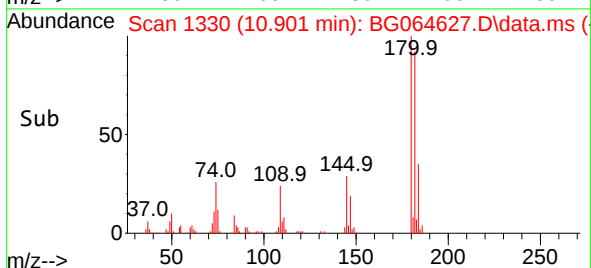
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

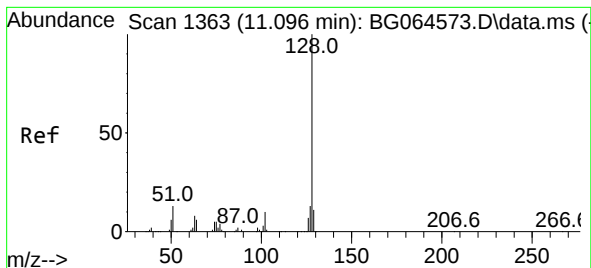


#30
1,2,4-Trichlorobenzene
Concen: 54.496 ng
RT: 10.901 min Scan# 1330
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



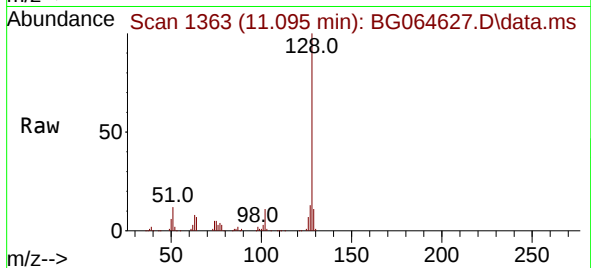
Tgt Ion:180 Resp: 120137
Ion Ratio Lower Upper
180 100
182 92.2 76.9 115.3
145 29.1 22.1 33.1





#31
Naphthalene
Concen: 48.777 ng
RT: 11.095 min Scan# 1109
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

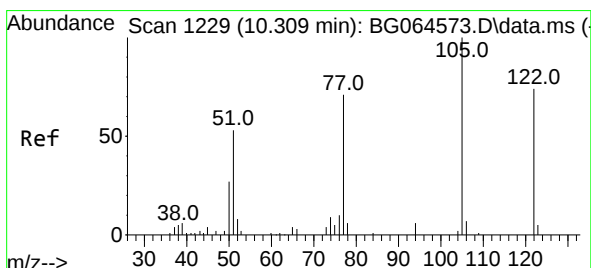
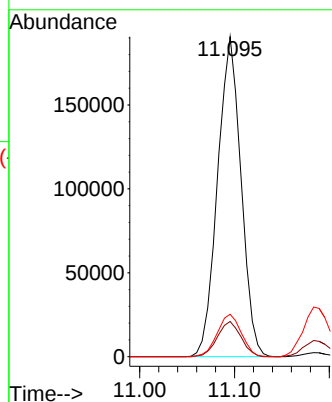
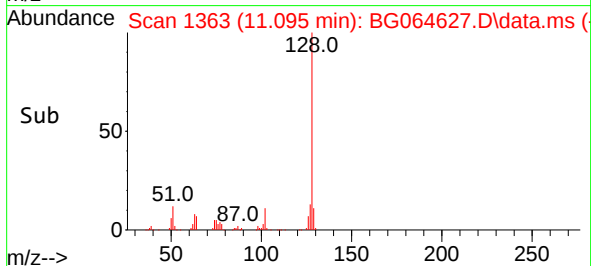
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:128 Resp: 328094
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 15.8

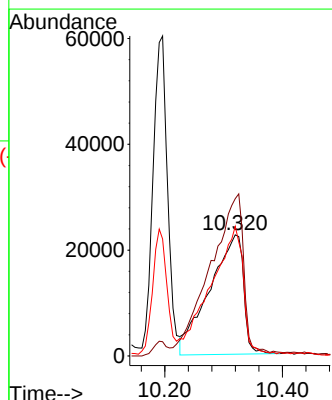
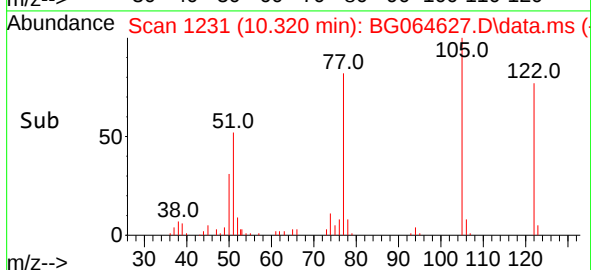
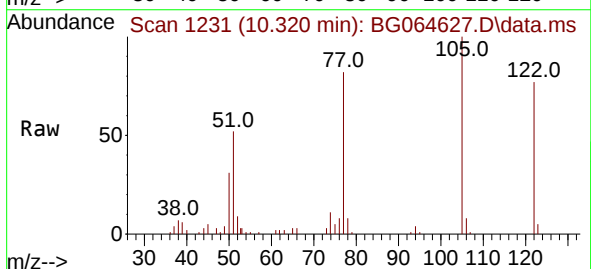
Manual Integrations
APPROVED

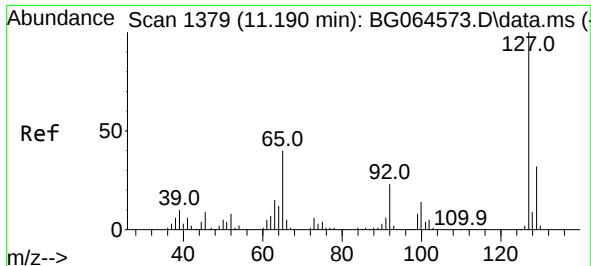
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 62.736 ng
RT: 10.320 min Scan# 1231
Delta R.T. 0.011 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

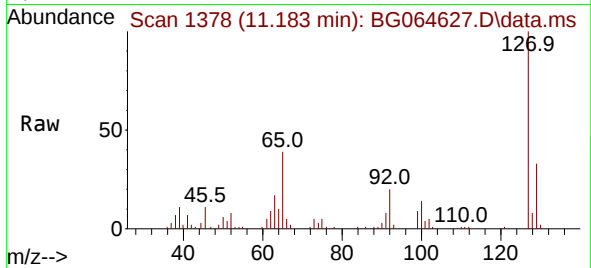
Tgt Ion:122 Resp: 89978
Ion Ratio Lower Upper
122 100
105 129.9 104.2 144.2
77 107.0 70.2 110.2





#33
4-Chloroaniline
Concen: 21.618 ng
RT: 11.183 min Scan# 111
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

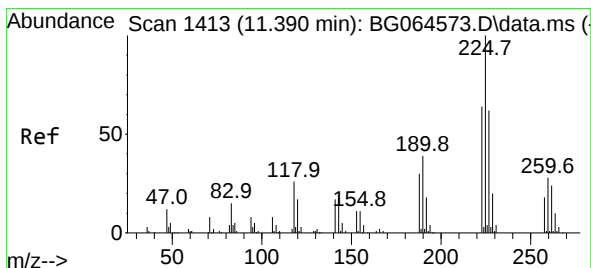
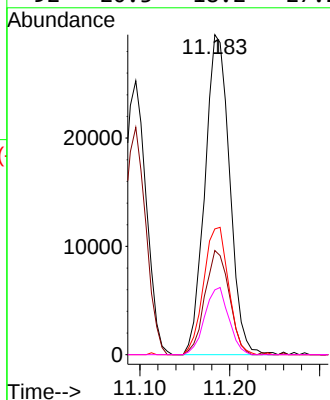
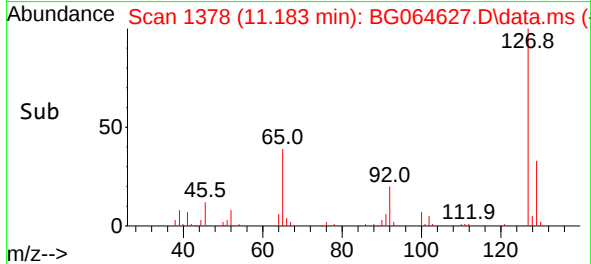
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:127 Resp: 56519
Ion Ratio Lower Upper
127 100
129 32.6 25.5 38.3
65 39.3 32.2 48.4
92 20.3 18.2 27.2

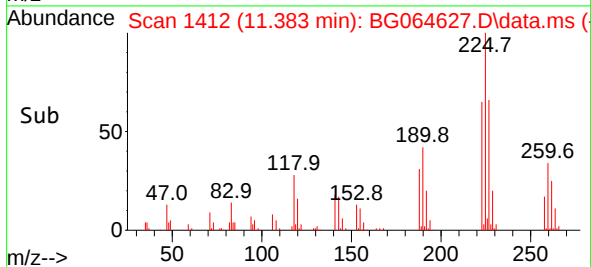
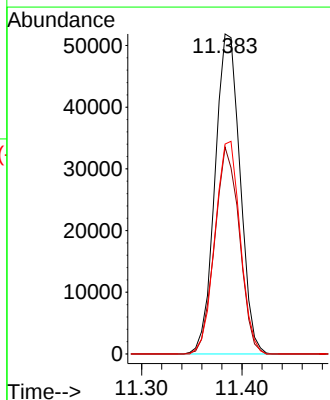
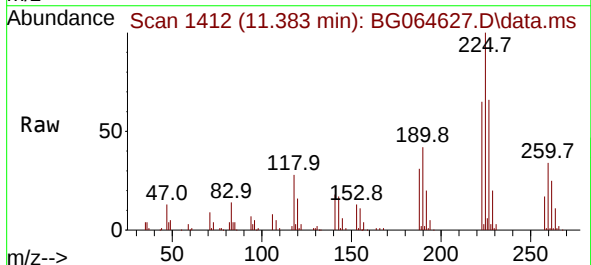
Manual Integrations
APPROVED

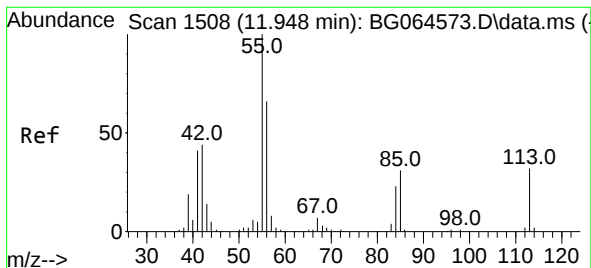
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#34
Hexachlorobutadiene
Concen: 52.062 ng
RT: 11.383 min Scan# 1412
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

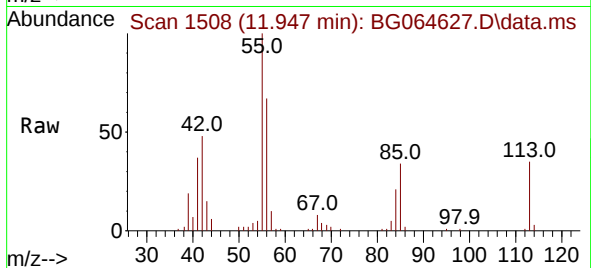
Tgt Ion:225 Resp: 89758
Ion Ratio Lower Upper
225 100
223 64.6 48.8 73.2
227 68.7 49.5 74.3





#35
 Caprolactam
 Concen: 50.400 ng m
 RT: 11.947 min Scan# 11
 Delta R.T. -0.001 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34

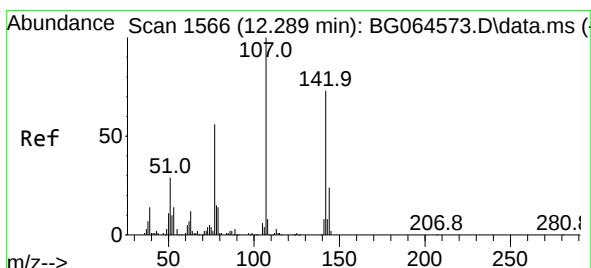
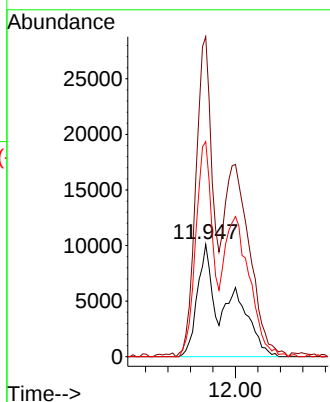
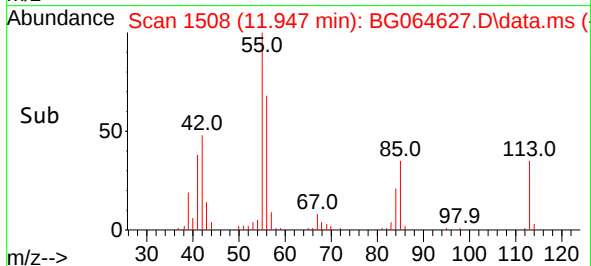
Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MS



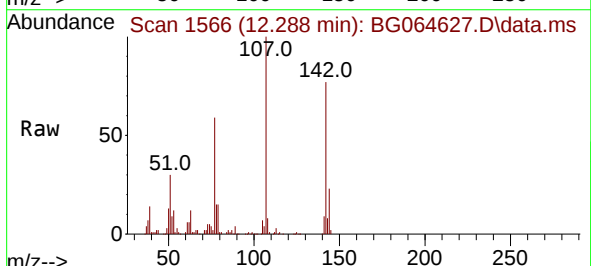
Tgt Ion:113 Resp: 37500
 Ion Ratio Lower Upper
 113 100
 55 284.8 290.1 330.1
 56 191.4 183.8 223.8

Manual Integrations
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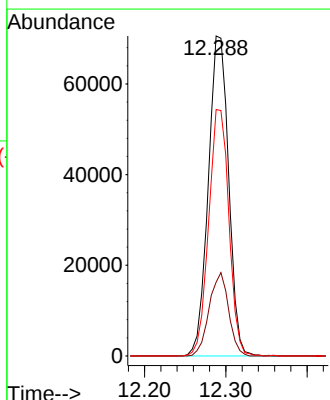
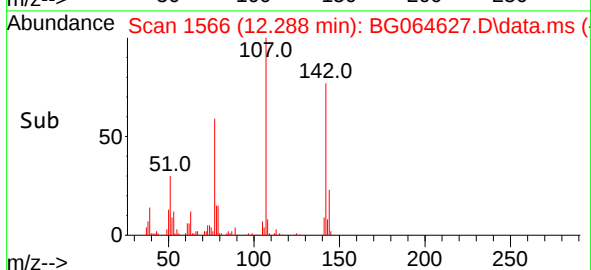
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

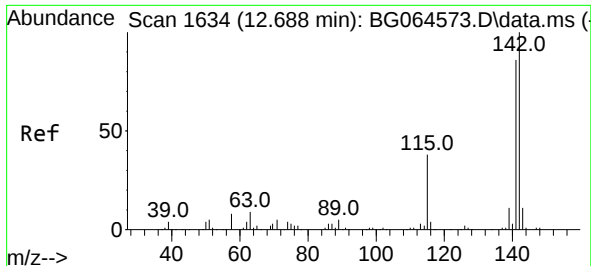


#36
 4-Chloro-3-methylphenol
 Concen: 52.585 ng
 RT: 12.288 min Scan# 1566
 Delta R.T. -0.001 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34



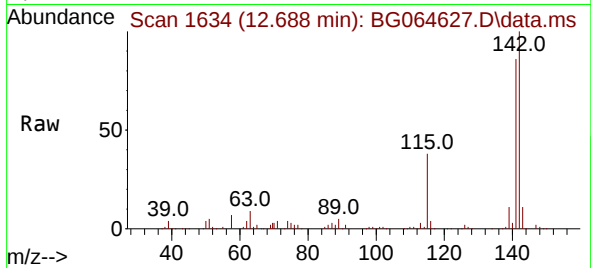
Tgt Ion:107 Resp: 122640
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.1 28.7
 142 77.0 58.6 87.8





#37
2-Methylnaphthalene
Concen: 45.380 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

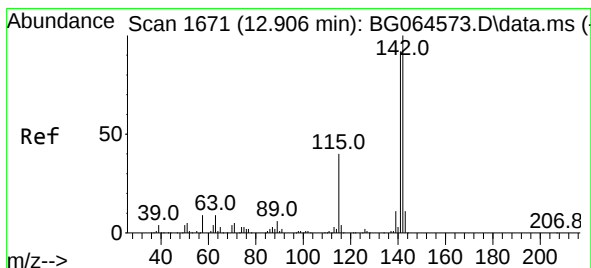
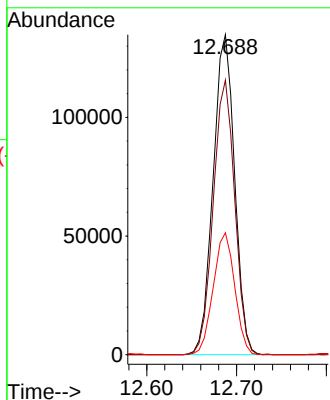
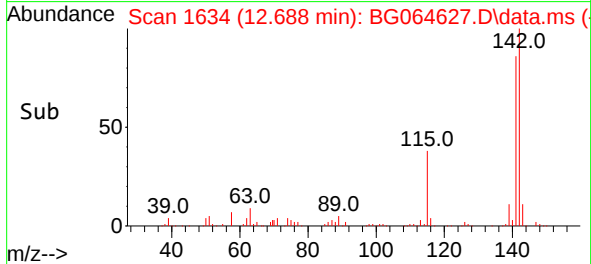
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:142 Resp: 224108
Ion Ratio Lower Upper
142 100
141 85.8 68.9 103.3
115 38.1 30.6 46.0

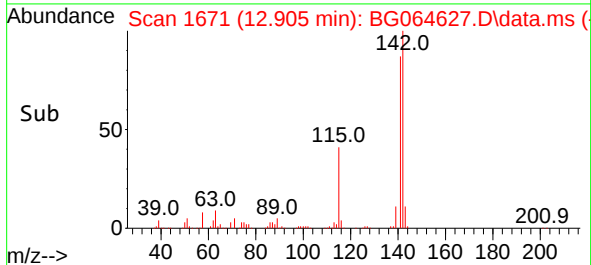
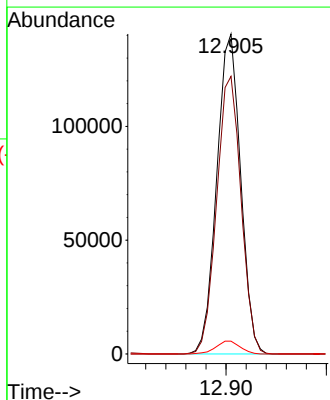
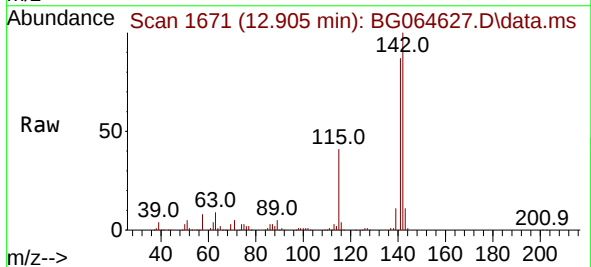
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#38
1-Methylnaphthalene
Concen: 47.390 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

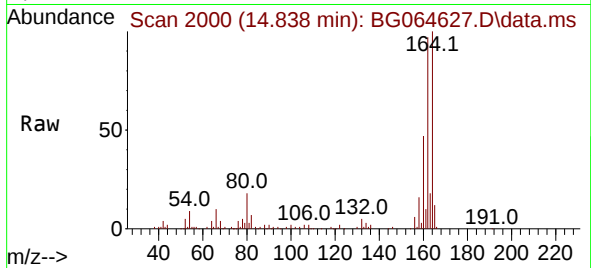
Tgt Ion:142 Resp: 231684
Ion Ratio Lower Upper
142 100
141 86.8 73.3 109.9
116 4.0 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

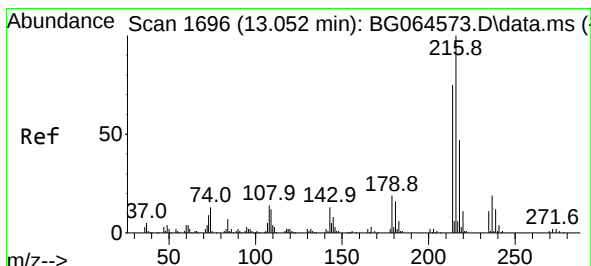
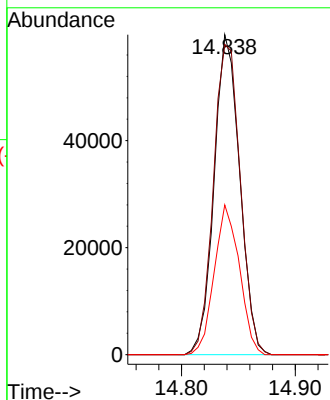
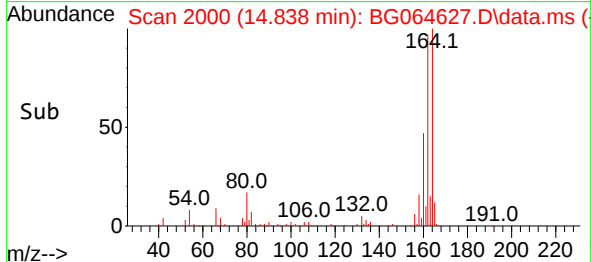
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



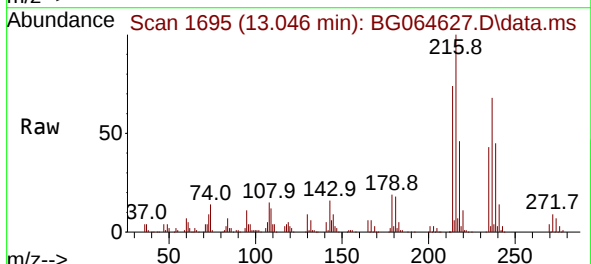
Tgt Ion:164 Resp: 93614
Ion Ratio Lower Upper
164 100
162 96.9 77.0 115.6
160 46.8 34.4 51.6

Manual Integrations APPROVED

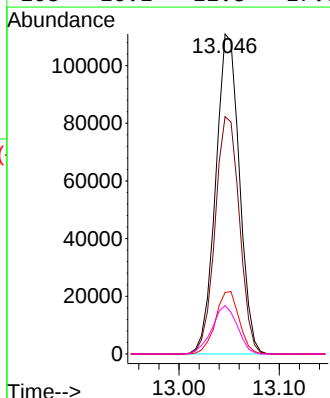
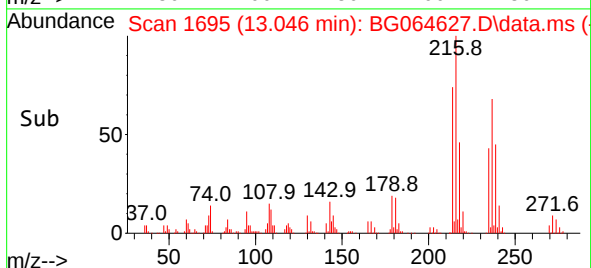
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

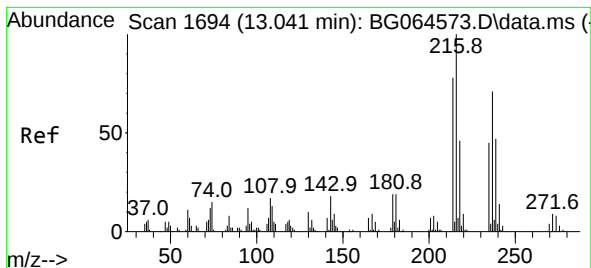


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.895 ng
RT: 13.046 min Scan# 1695
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



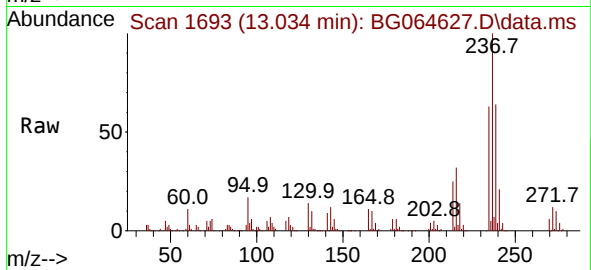
Tgt Ion:216 Resp: 181893
Ion Ratio Lower Upper
216 100
214 76.0 61.4 92.2
179 19.5 15.4 23.0
108 16.1 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 154.388 ng
RT: 13.034 min Scan# 1693
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

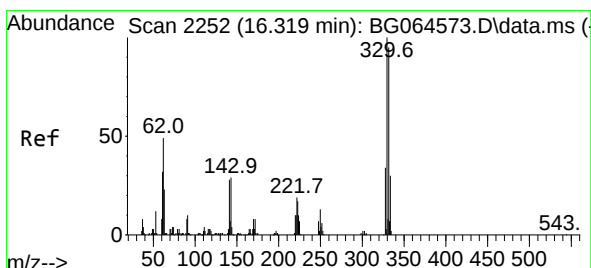
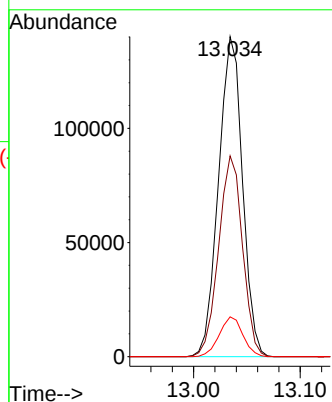
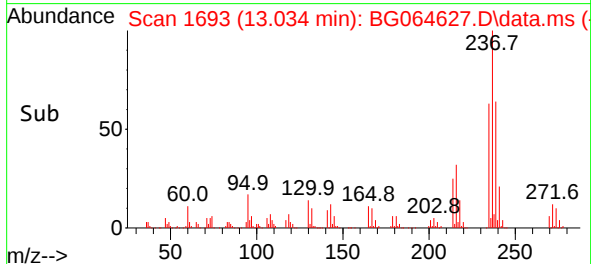
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



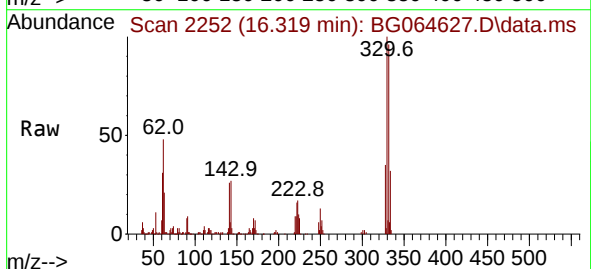
Tgt Ion:237 Resp: 21832
Ion Ratio Lower Upper
237 100
235 62.8 44.1 84.1
272 12.4 0.0 32.4

Manual Integrations
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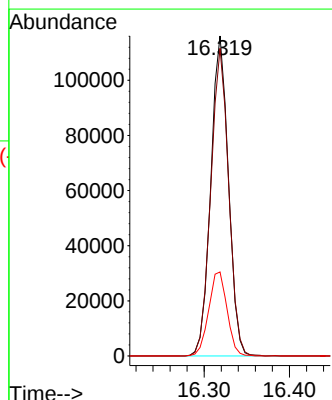
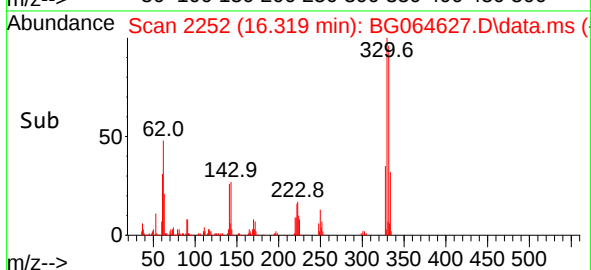
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

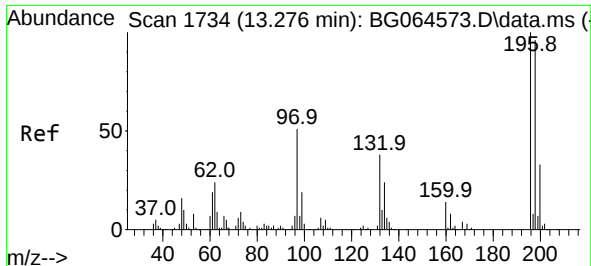


#42
2,4,6-Tribromophenol
Concen: 123.459 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



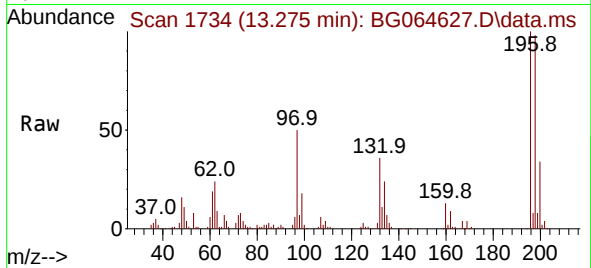
Tgt Ion:330 Resp: 166810
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.3 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 58.649 ng
RT: 13.275 min Scan# 1734
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

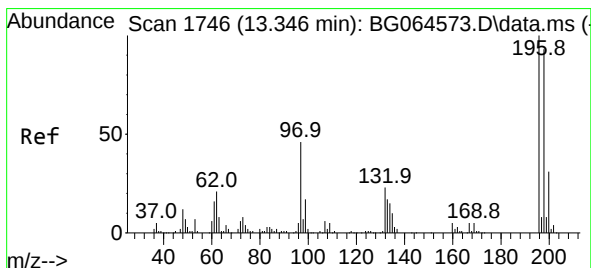
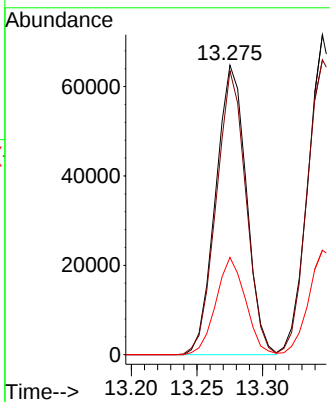
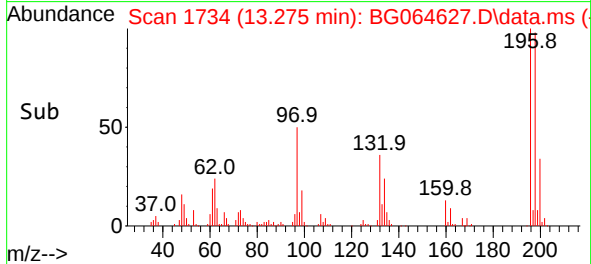
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:196 Resp: 105398
Ion Ratio Lower Upper
196 100
198 98.0 76.6 115.0
200 35.8 26.0 39.0

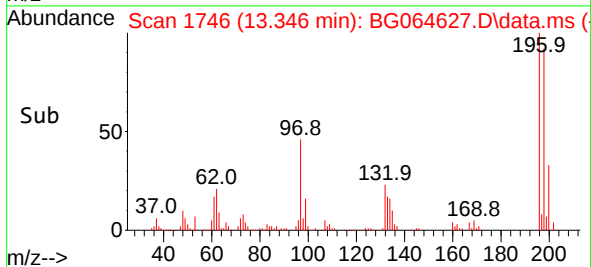
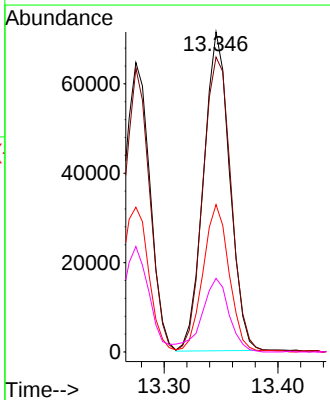
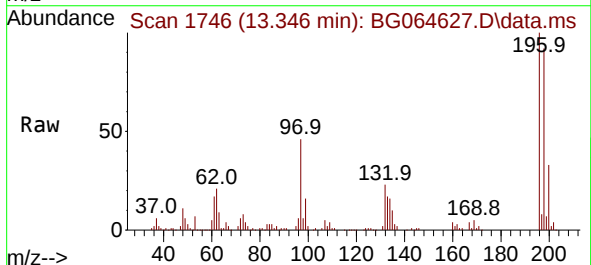
Manual Integrations
APPROVED

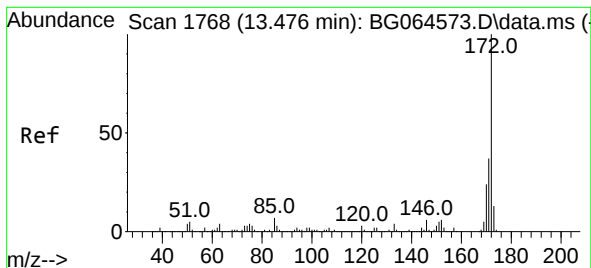
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#44
2,4,5-Trichlorophenol
Concen: 55.084 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

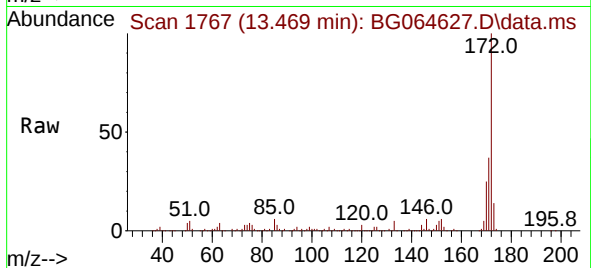
Tgt Ion:196 Resp: 114236
Ion Ratio Lower Upper
196 100
198 92.2 74.2 111.4
97 46.1 37.0 55.6
132 23.0 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 60.330 ng
RT: 13.469 min Scan# 1768
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

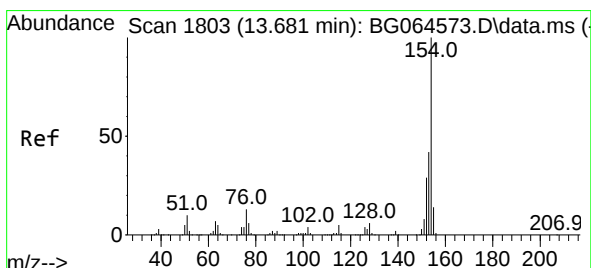
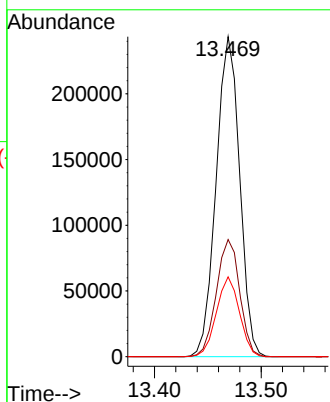
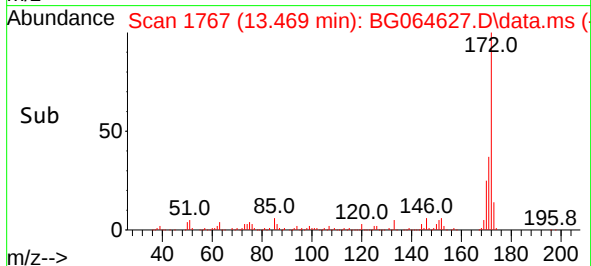
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



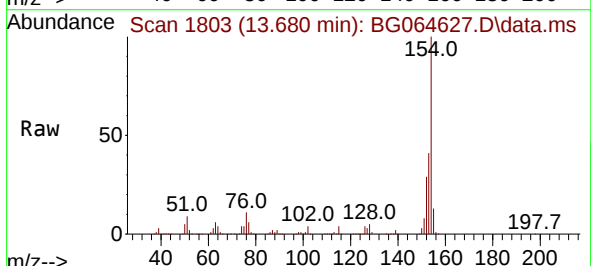
Tgt Ion:172 Resp: 372604
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.9 19.1 28.7

Manual Integrations
APPROVED

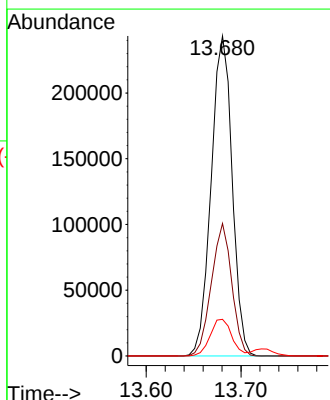
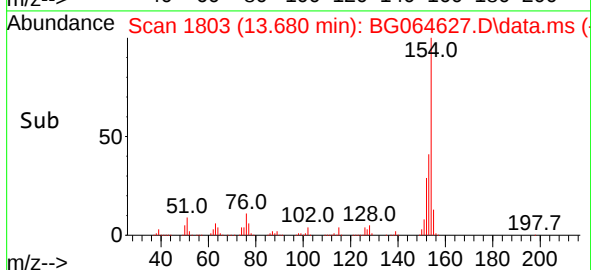
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

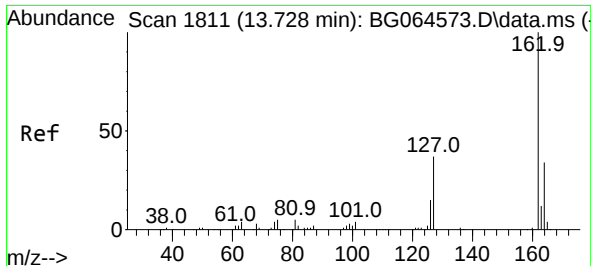


#46
1,1'-Biphenyl
Concen: 56.287 ng
RT: 13.680 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



Tgt Ion:154 Resp: 374605
Ion Ratio Lower Upper
154 100
153 41.4 22.4 62.4
76 11.4 0.0 33.5





#47

2-Chloronaphthalene

Concen: 50.074 ng

RT: 13.722 min Scan# 1811

Delta R.T. -0.007 min

Lab File: BG064627.D

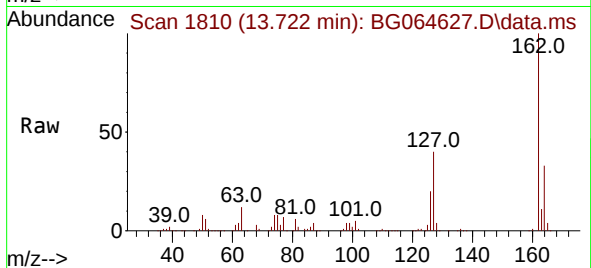
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

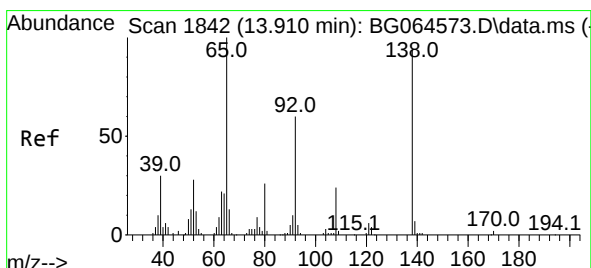
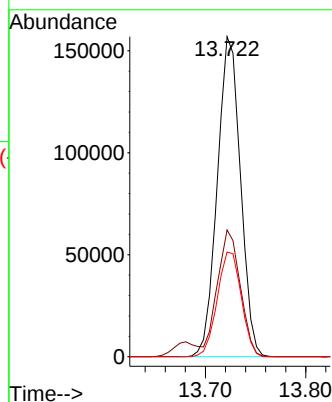
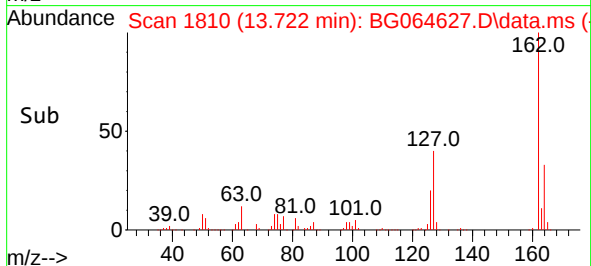


Tgt Ion:	162	Resp:	25155
Ion Ratio	Lower	Upper	
162	100		
127	39.6	32.2	48.2
164	32.7	27.5	41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#48

2-Nitroaniline

Concen: 56.055 ng

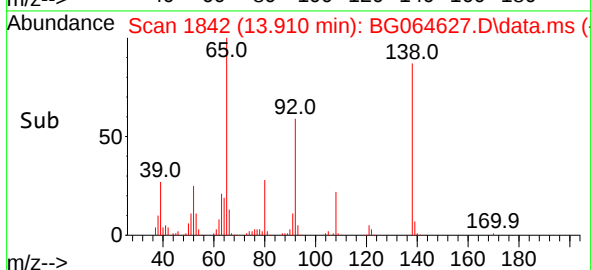
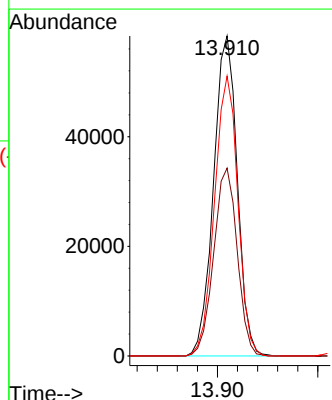
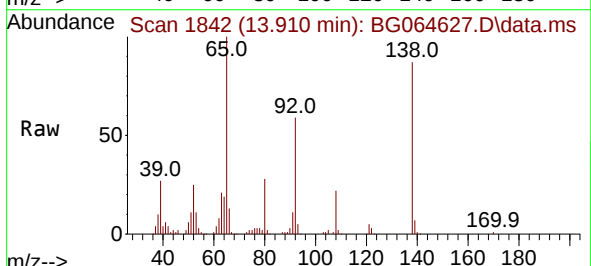
RT: 13.910 min Scan# 1842

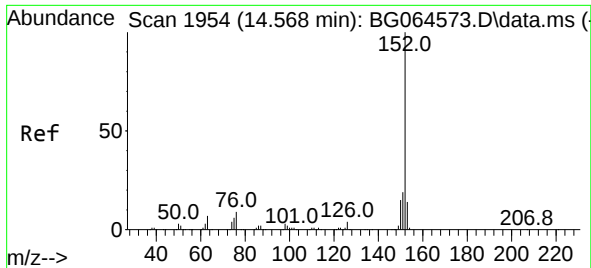
Delta R.T. -0.000 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

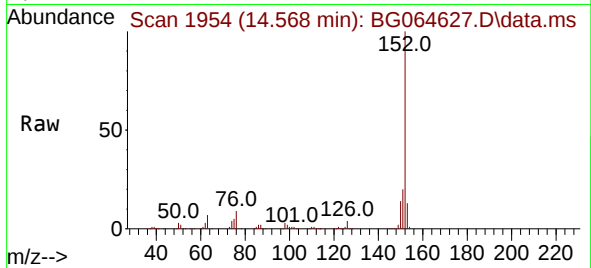
Tgt Ion:	65	Resp:	95513
Ion Ratio	Lower	Upper	
65	100		
92	58.7	48.3	72.5
138	87.5	74.9	112.3





#49
Acenaphthylene
Concen: 57.112 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

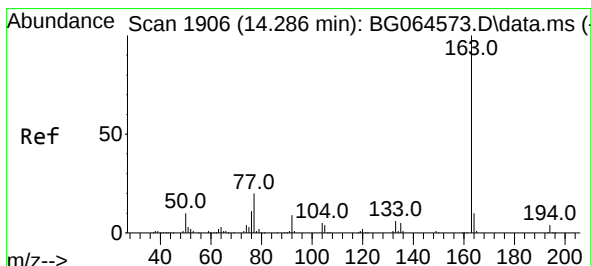
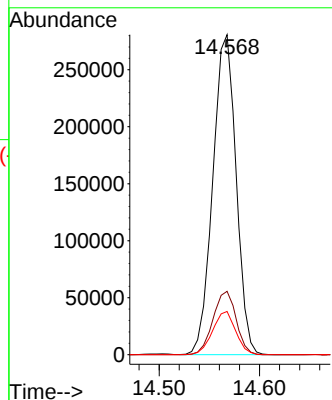
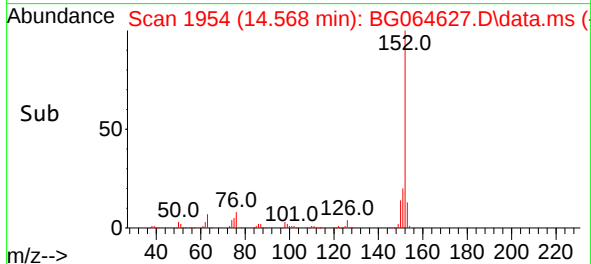
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



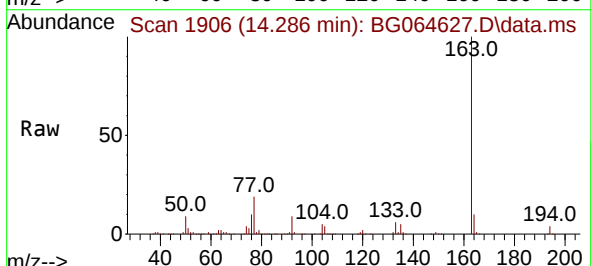
Tgt Ion:152 Resp: 452550
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.2
153 13.5 11.0 16.4

Manual Integrations
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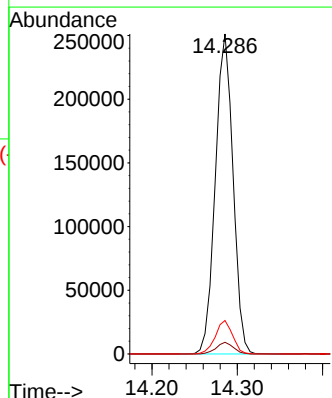
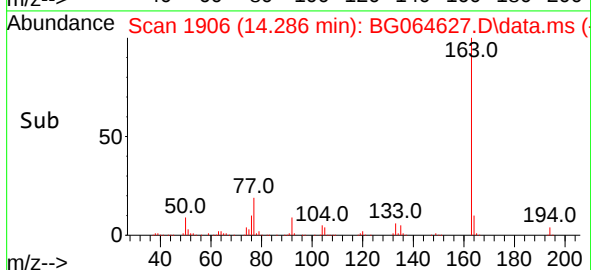
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

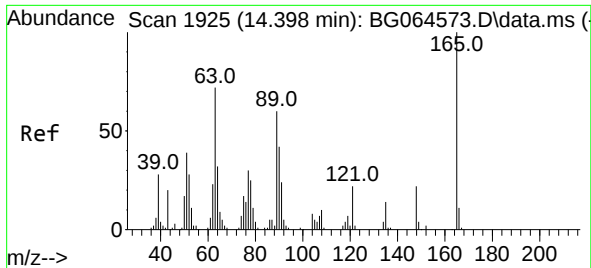


#50
Dimethylphthalate
Concen: 50.569 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



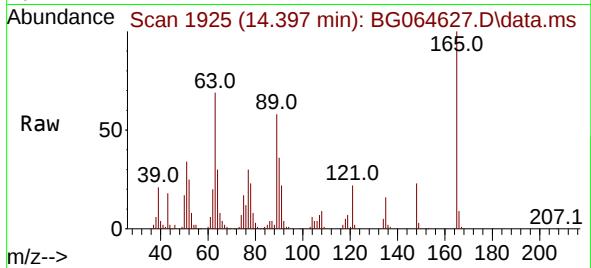
Tgt Ion:163 Resp: 362240
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.5 7.7 11.5





#51
2,6-Dinitrotoluene
Concen: 60.623 ng
RT: 14.397 min Scan# 1925
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

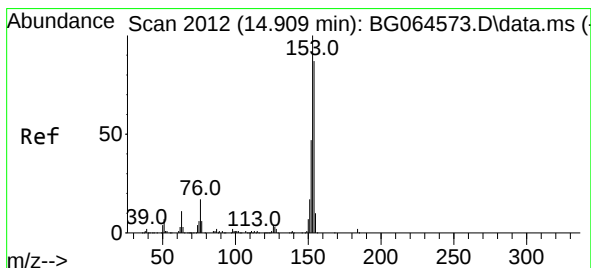
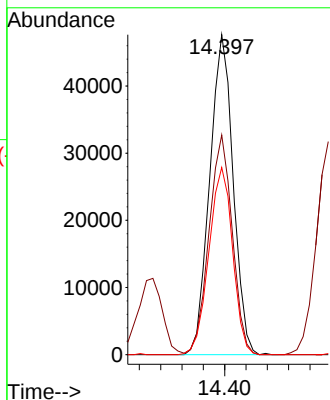
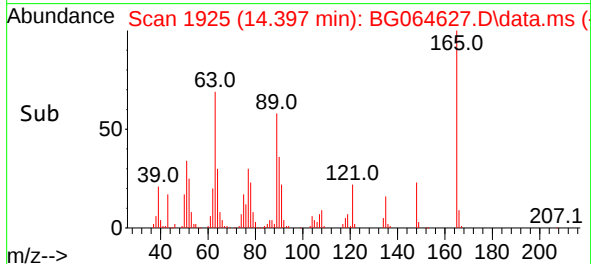
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:165 Resp: 7271
Ion Ratio Lower Upper
165 100
63 68.6 57.4 86.0
89 58.5 47.8 71.8

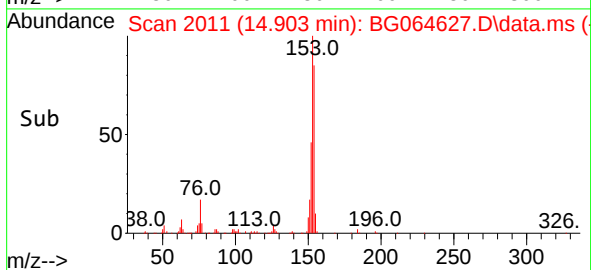
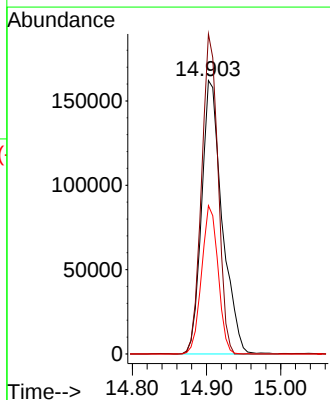
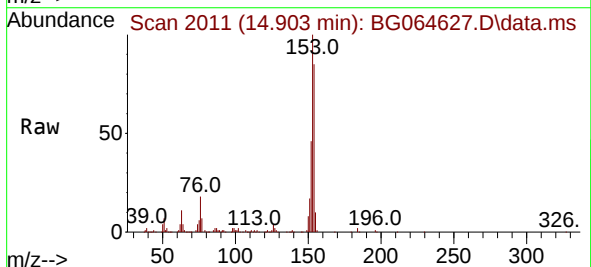
Manual Integrations
APPROVED

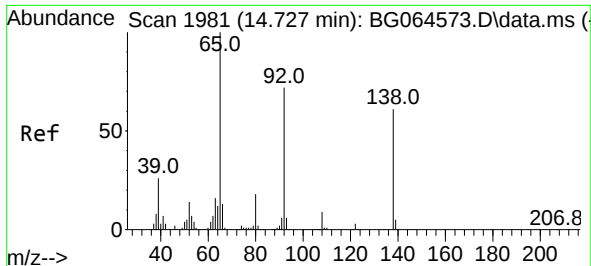
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 57.775 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

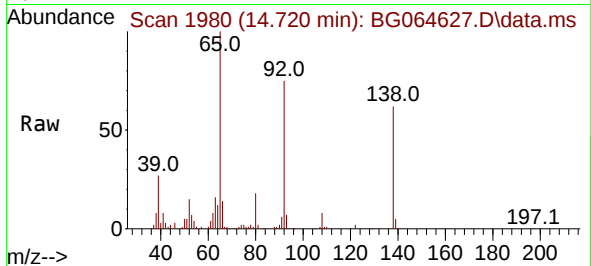
Tgt Ion:154 Resp: 312776
Ion Ratio Lower Upper
154 100
153 117.0 92.2 138.4
152 54.2 43.2 64.8





#53
3-Nitroaniline
Concen: 40.637 ng
RT: 14.720 min Scan# 1981
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

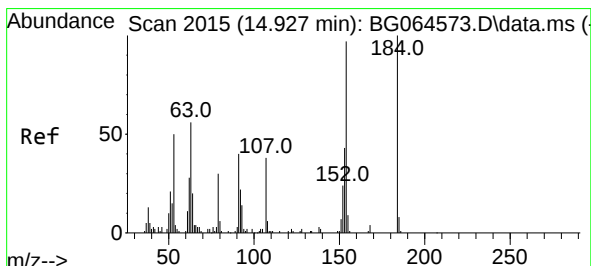
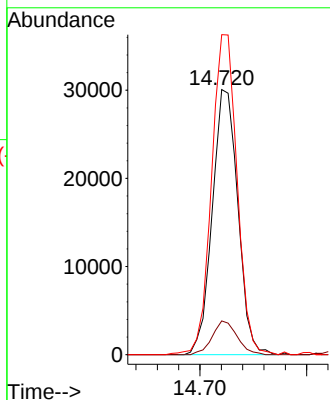
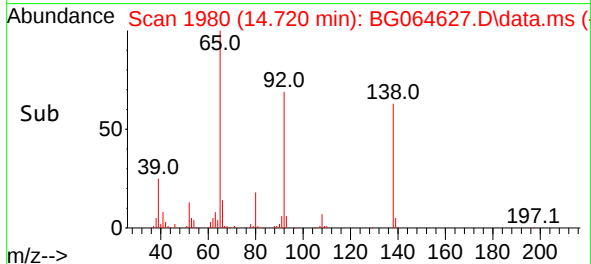
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:138 Resp: 5002
Ion Ratio Lower Upper
138 100
108 12.7 11.4 17.0
92 120.7 95.3 142.9

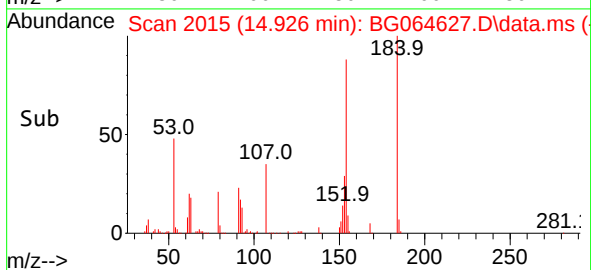
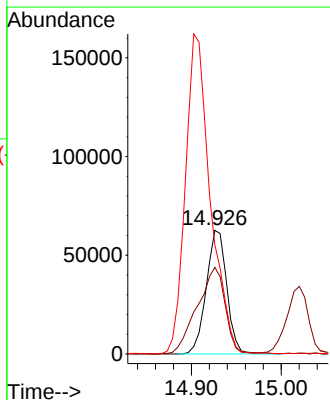
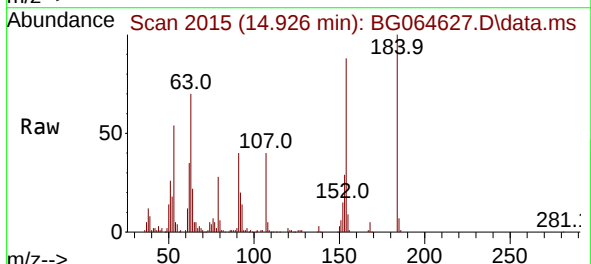
Manual Integrations
APPROVED

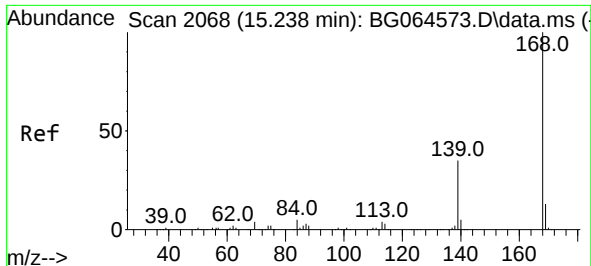
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#54
2,4-Dinitrophenol
Concen: 132.948 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

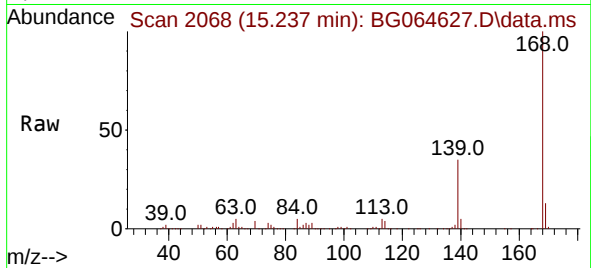
Tgt Ion:184 Resp: 99300
Ion Ratio Lower Upper
184 100
63 69.9 56.6 85.0
154 88.2 158.6 238.0#





#55
Dibenzenofuran
Concen: 50.793 ng
RT: 15.237 min Scan# 2068
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

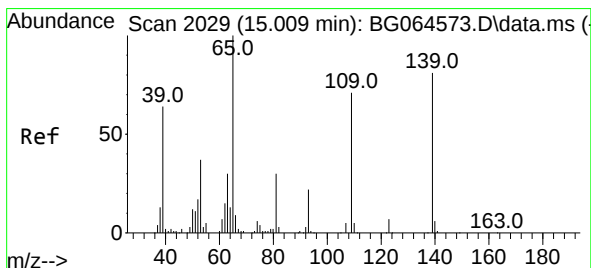
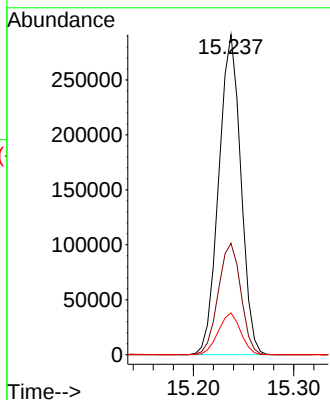
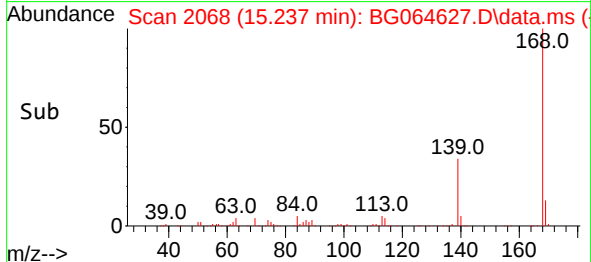
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:168 Resp: 44456
Ion Ratio Lower Upper
168 100
139 34.8 27.8 41.8
169 13.1 10.3 15.5

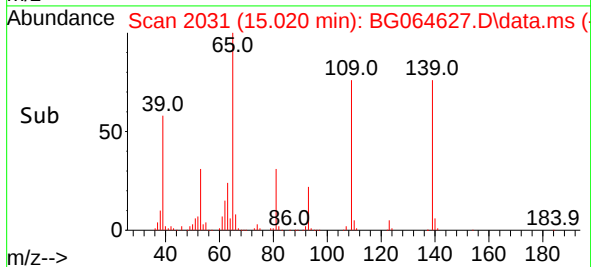
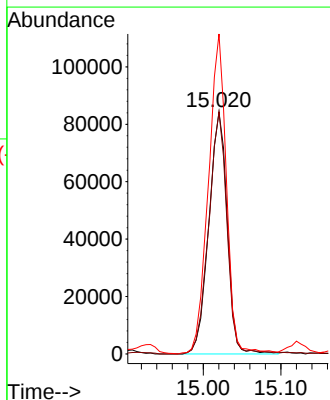
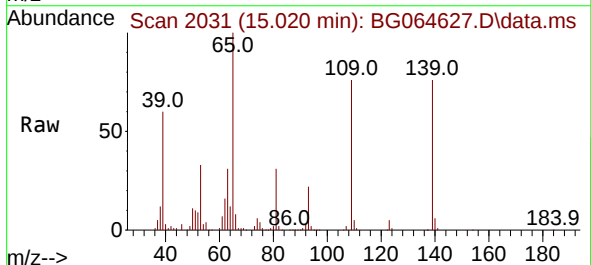
Manual Integrations
APPROVED

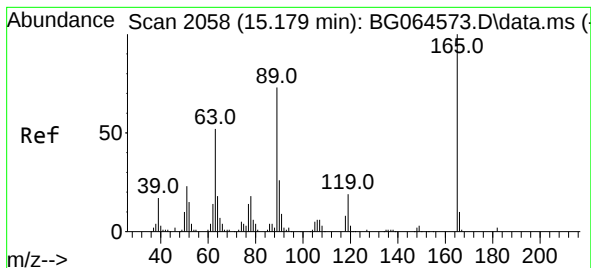
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#56
4-Nitrophenol
Concen: 121.914 ng
RT: 15.020 min Scan# 2031
Delta R.T. 0.011 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

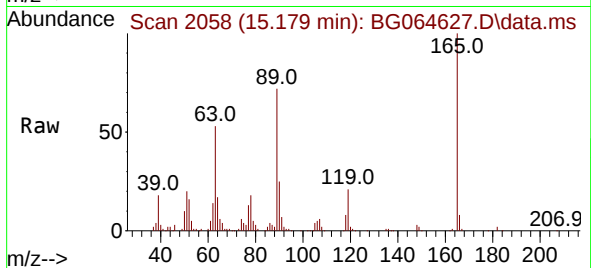
Tgt Ion:139 Resp: 139148
Ion Ratio Lower Upper
139 100
109 100.0 67.8 107.8
65 132.3 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 58.491 ng
RT: 15.179 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

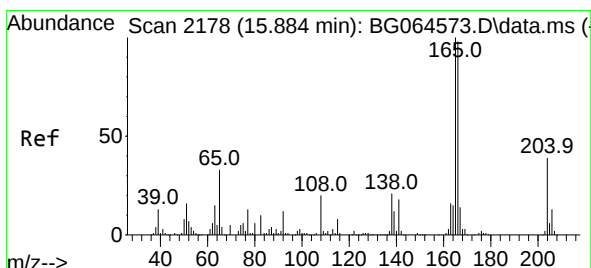
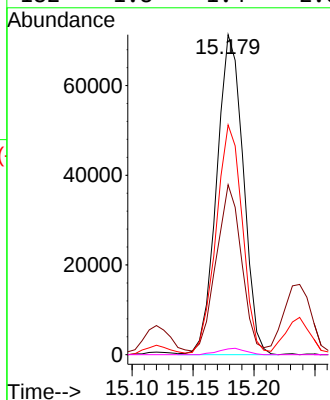
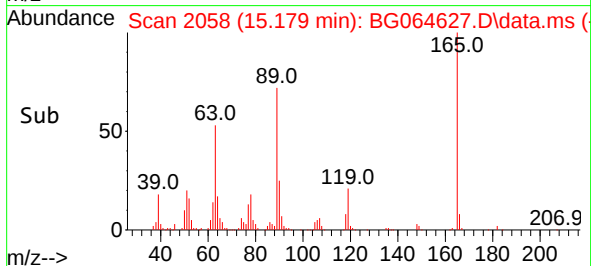
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:165 Resp: 10819
Ion Ratio Lower Upper
165 100
63 53.1 41.8 62.8
89 71.8 58.1 87.1
182 1.8 1.4 2.0

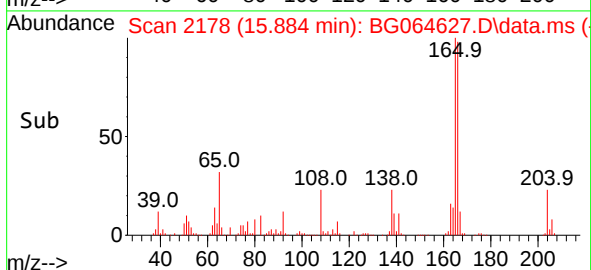
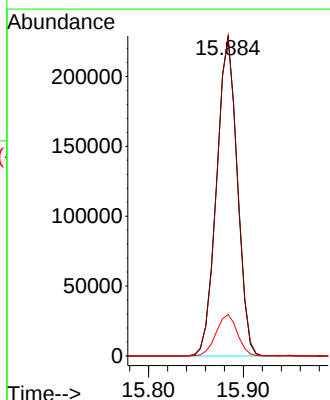
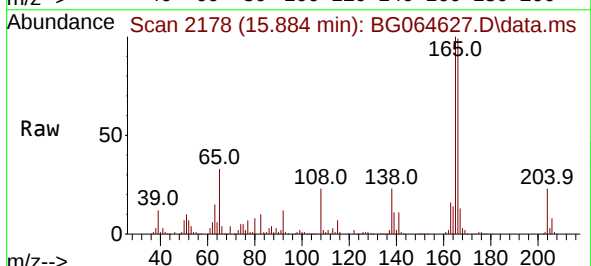
Manual Integrations
APPROVED

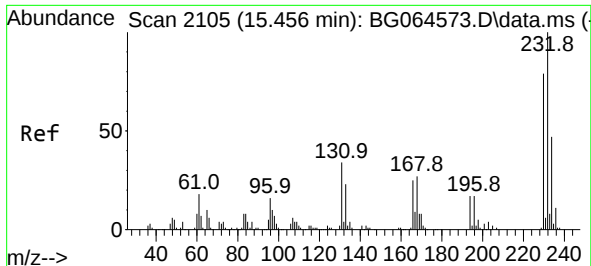
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#58
Fluorene
Concen: 50.581 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

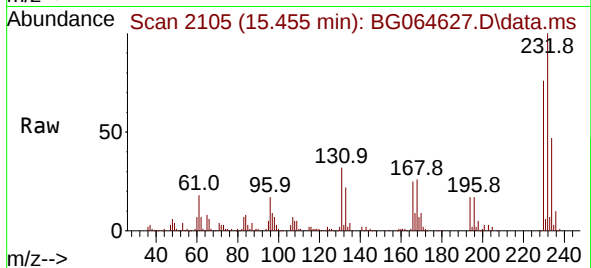
Tgt Ion:166 Resp: 345737
Ion Ratio Lower Upper
166 100
165 100.5 81.5 122.3
167 13.0 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 62.001 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

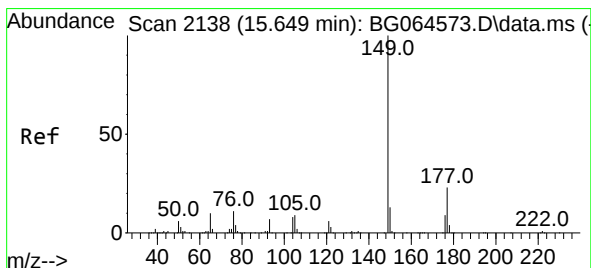
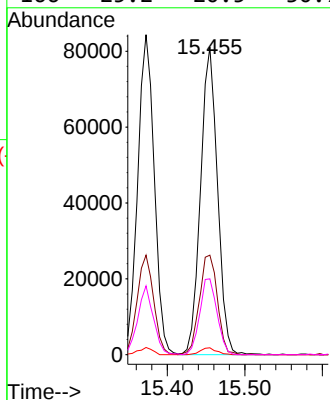
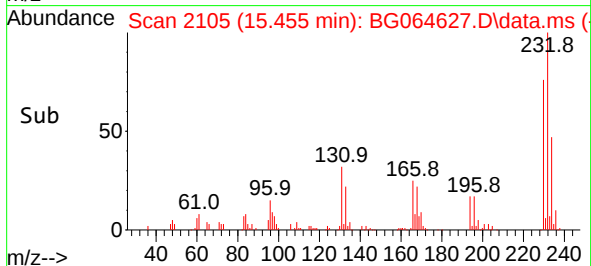
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:232 Resp: 122950
Ion Ratio Lower Upper
232 100
131 34.4 26.7 40.1
130 2.1 1.6 2.4
166 25.2 20.5 30.7

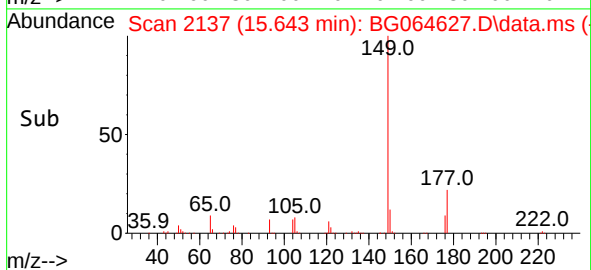
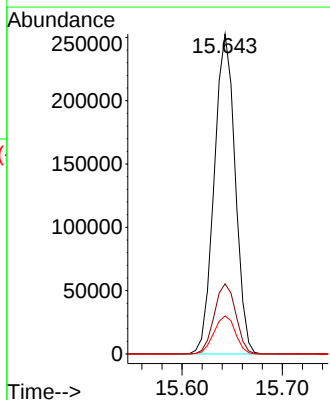
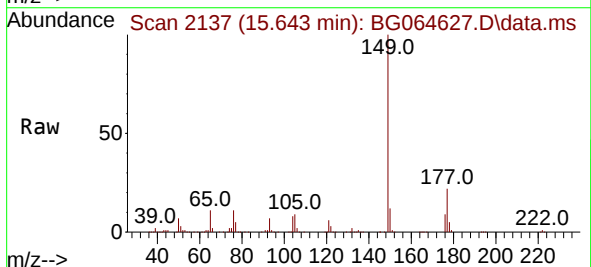
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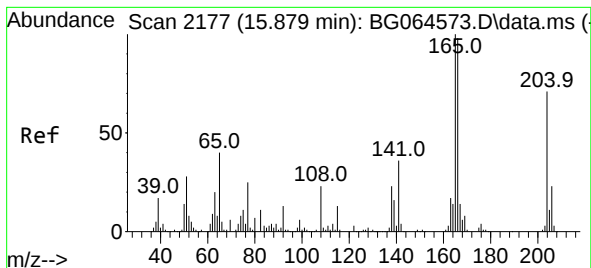
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#60
Diethylphthalate
Concen: 50.036 ng
RT: 15.643 min Scan# 2137
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

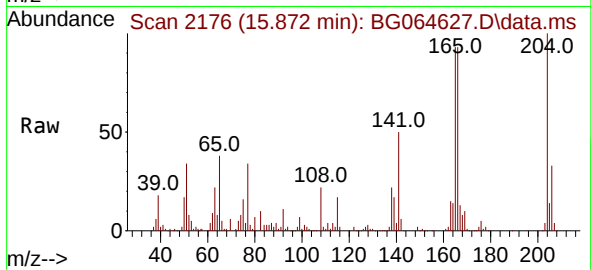
Tgt Ion:149 Resp: 365971
Ion Ratio Lower Upper
149 100
177 21.9 18.0 27.0
150 11.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 50.956 ng
RT: 15.872 min Scan# 2176
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

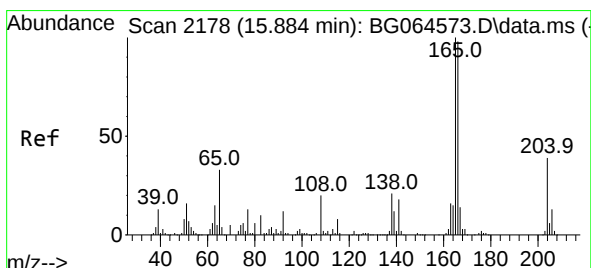
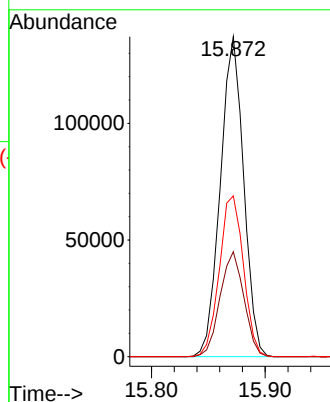
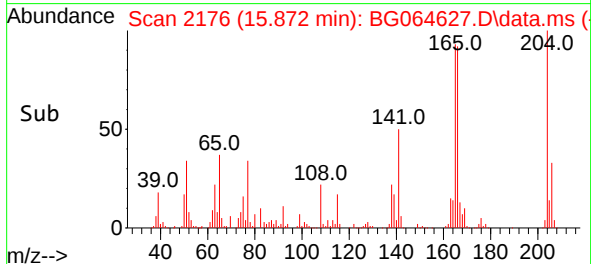
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



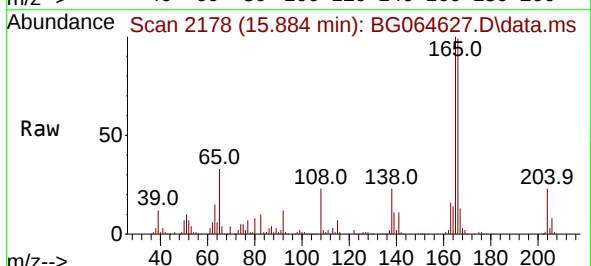
Tgt Ion:204 Resp: 195464
Ion Ratio Lower Upper
204 100
206 32.8 25.6 38.4
141 50.2 40.6 60.8

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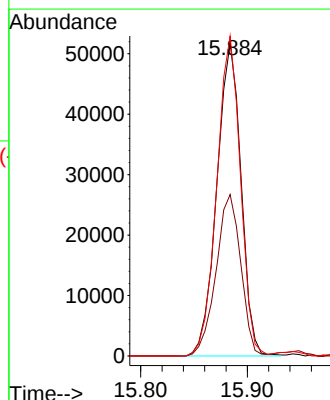
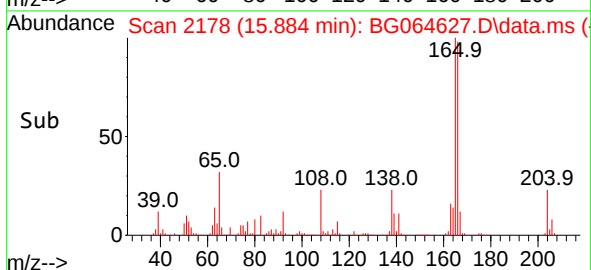
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

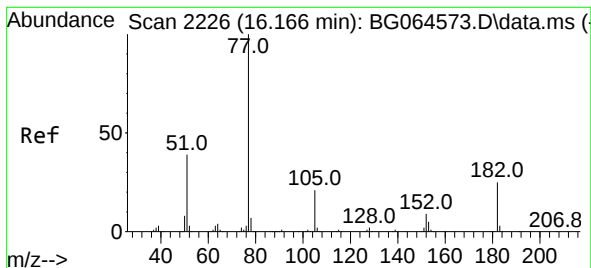


#62
4-Nitroaniline
Concen: 59.481 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



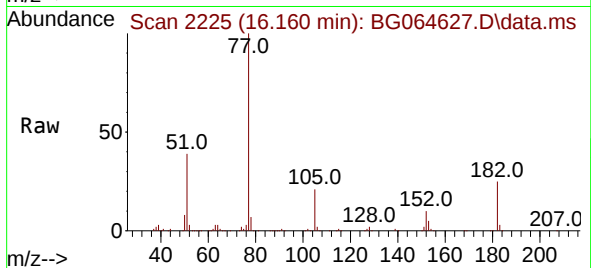
Tgt Ion:138 Resp: 81463
Ion Ratio Lower Upper
138 100
92 51.6 36.1 76.1
108 102.3 75.6 115.6





#63
Azobenzene
Concen: 53.492 ng
RT: 16.160 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

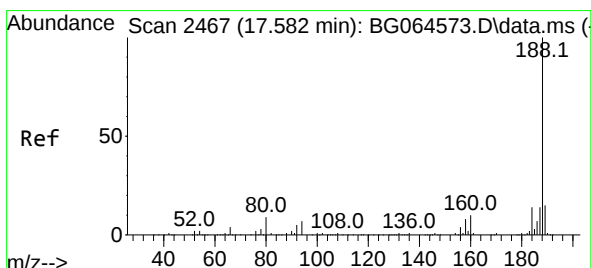
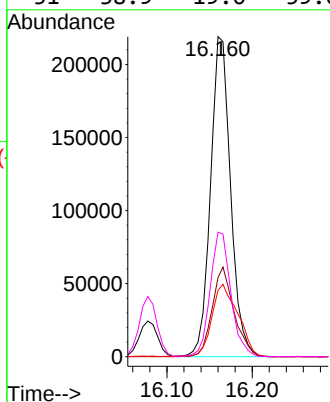
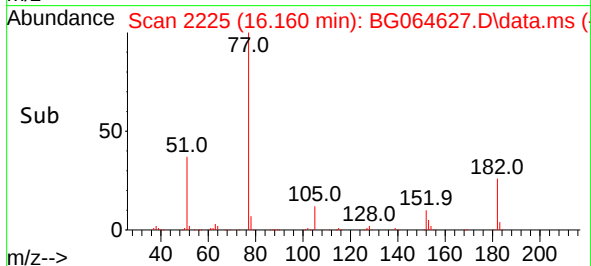
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion: 77 Resp: 35898
Ion Ratio Lower Upper
77 100
182 24.7 4.9 44.9
105 20.7 1.3 41.3
51 38.9 19.0 59.0

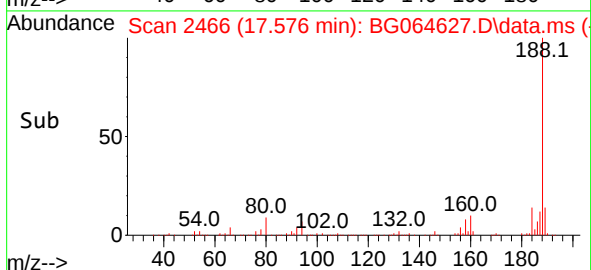
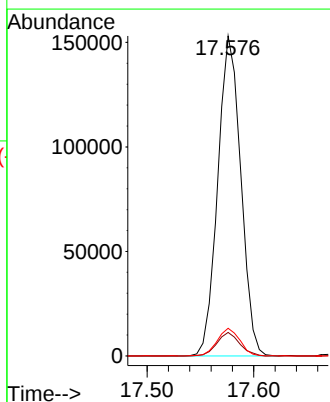
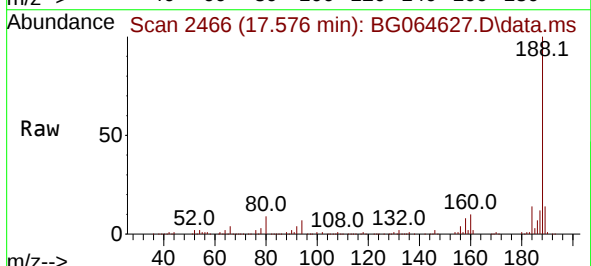
Manual Integrations
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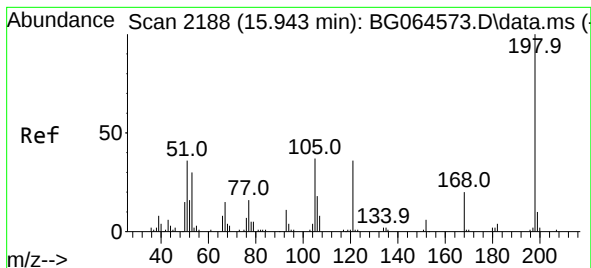
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

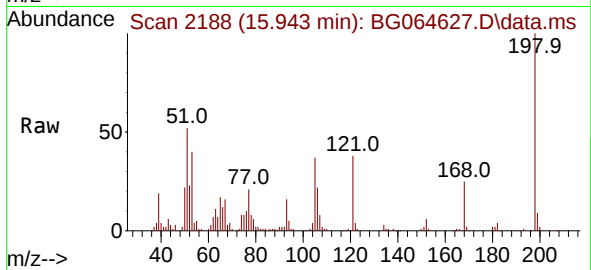
Tgt Ion:188 Resp: 229619
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.6 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 64.726 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

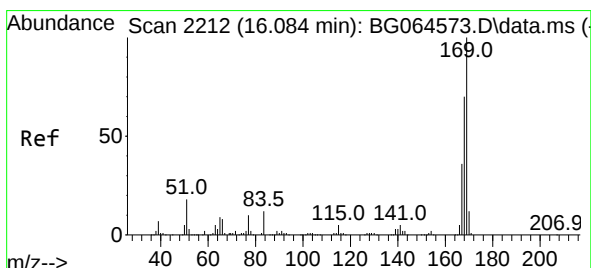
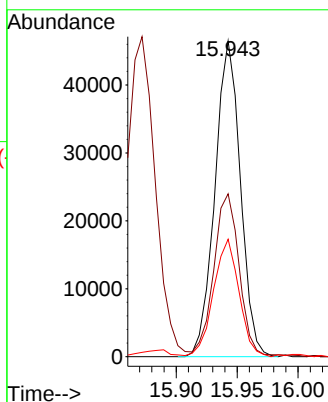
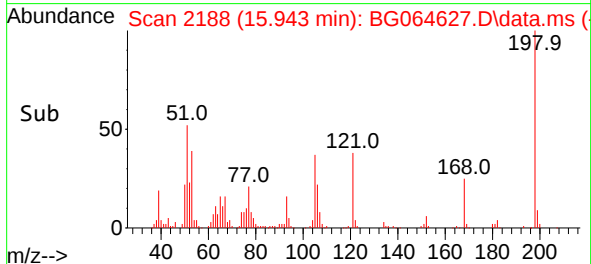
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



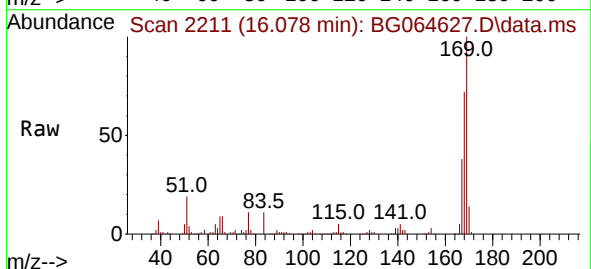
Tgt Ion:198 Resp: 6755
Ion Ratio Lower Upper
198 100
51 51.6 24.7 64.7
105 37.2 18.0 58.0

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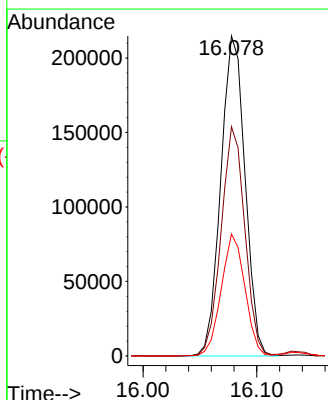
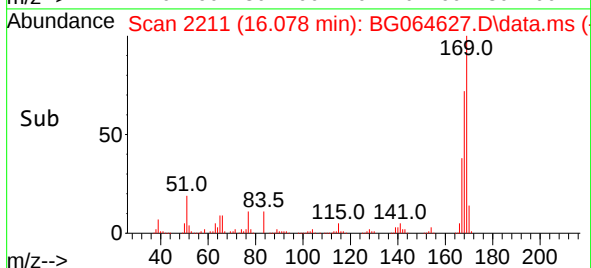
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#66
n-Nitrosodiphenylamine
Concen: 51.265 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



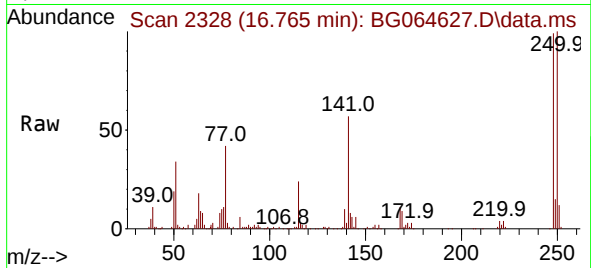
Tgt Ion:169 Resp: 317977
Ion Ratio Lower Upper
169 100
168 71.6 56.3 84.5
167 38.1 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 52.025 ng
RT: 16.765 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

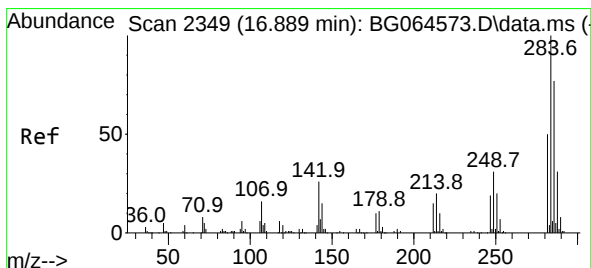
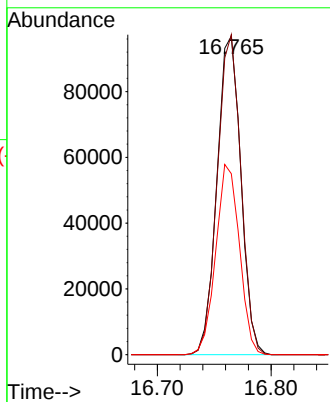
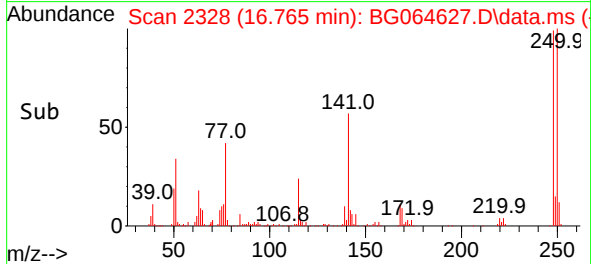
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:248 Resp: 141564
Ion Ratio Lower Upper
248 100
250 100.5 77.7 116.5
141 56.9 48.6 72.8

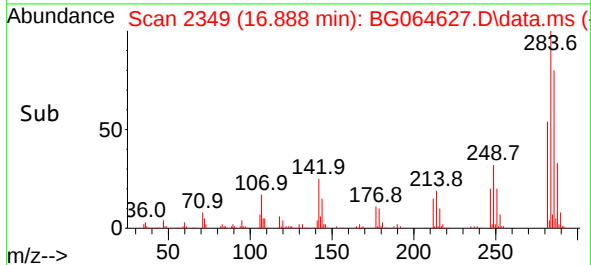
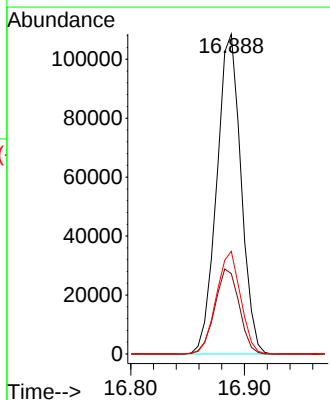
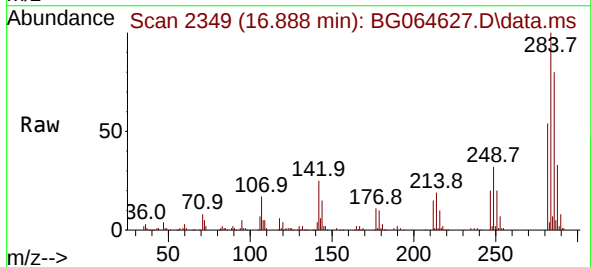
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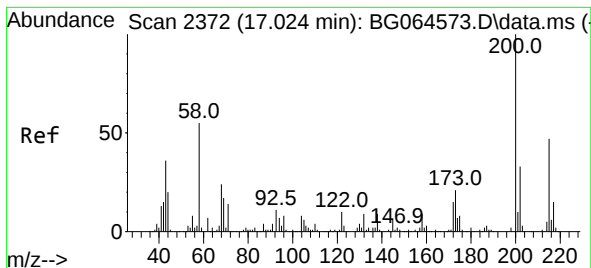
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#68
Hexachlorobenzene
Concen: 51.826 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:284 Resp: 160884
Ion Ratio Lower Upper
284 100
142 25.1 21.0 31.6
249 34.2 24.9 37.3





#69

Atrazine

Concen: 55.064 ng

RT: 17.018 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

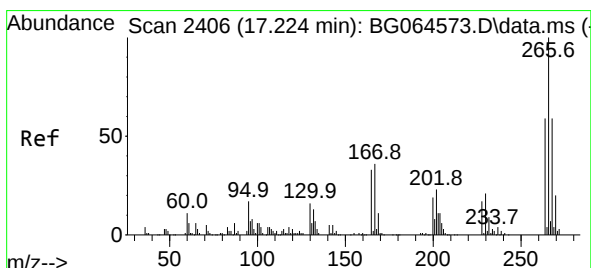
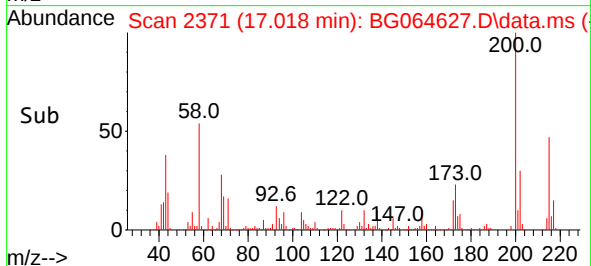
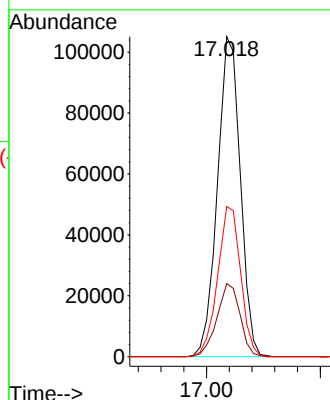
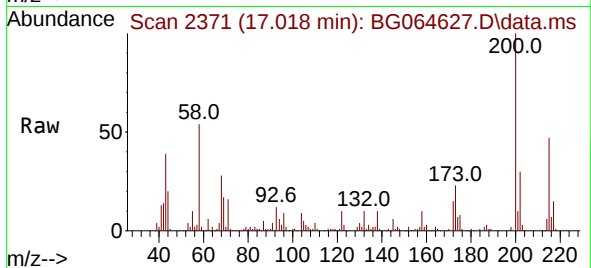
PR-132-S16-015094-20251021MS

Tgt Ion:200 Resp: 146978
Ion Ratio Lower Upper
200 100
173 22.8 0.9 40.9
215 46.9 27.0 67.0

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#70

Pentachlorophenol

Concen: 113.709 ng

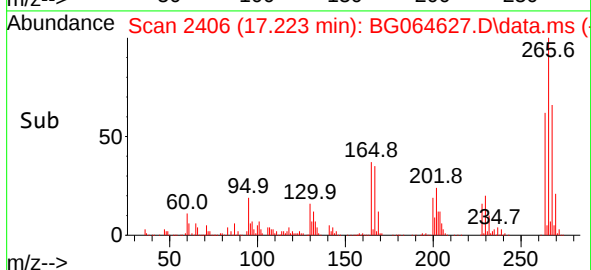
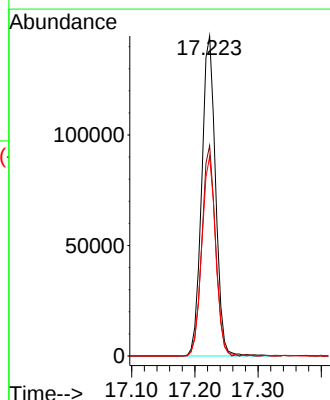
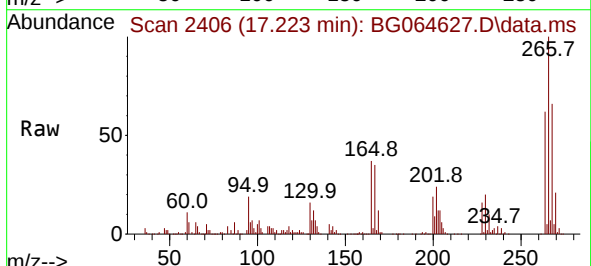
RT: 17.223 min Scan# 2406

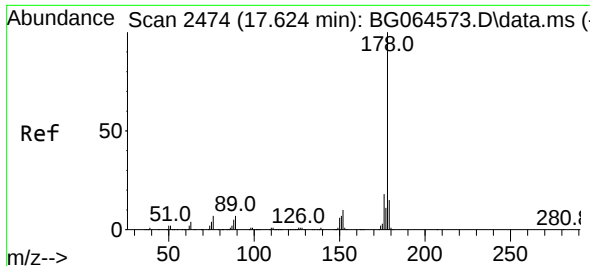
Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

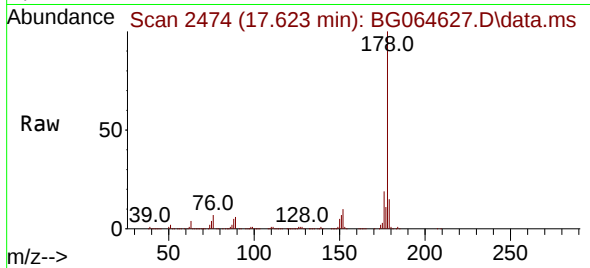
Tgt Ion:266 Resp: 220117
Ion Ratio Lower Upper
266 100
268 65.7 50.3 75.5
264 62.3 47.3 70.9





#71
Phenanthrene
Concen: 50.519 ng
RT: 17.623 min Scan# 2474
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

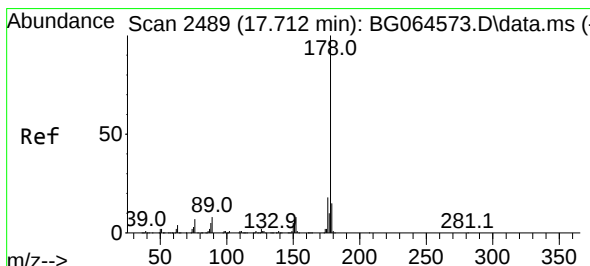
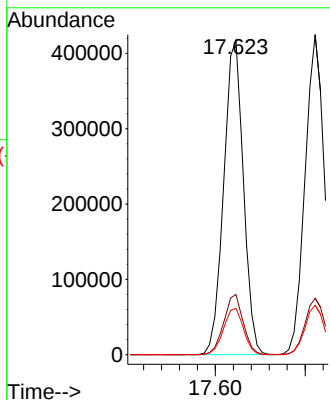
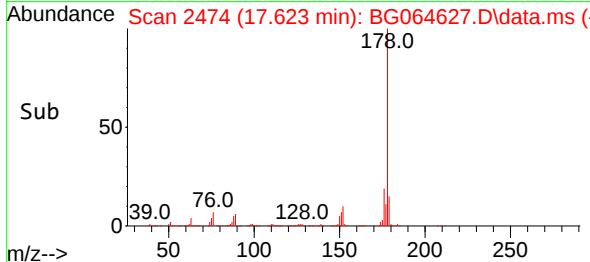
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:178 Resp: 634368
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 14.8 12.2 18.4

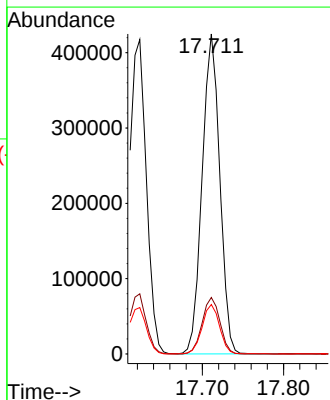
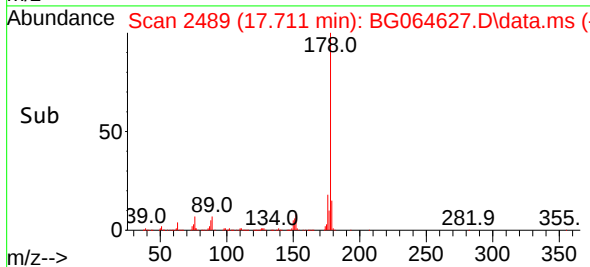
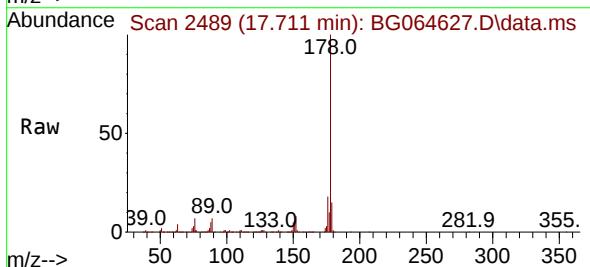
Manual Integrations
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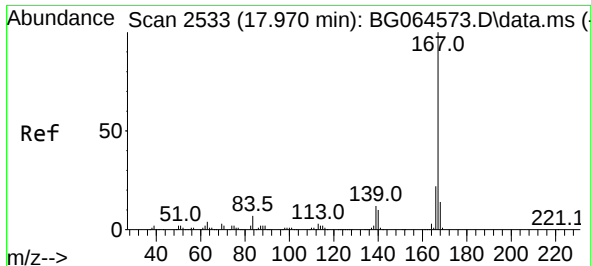
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#72
Anthracene
Concen: 50.069 ng
RT: 17.711 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

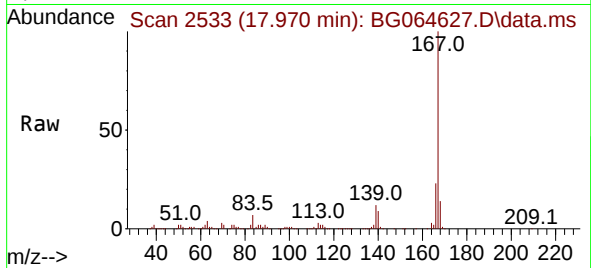
Tgt Ion:178 Resp: 639545
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 51.232 ng
 RT: 17.970 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34

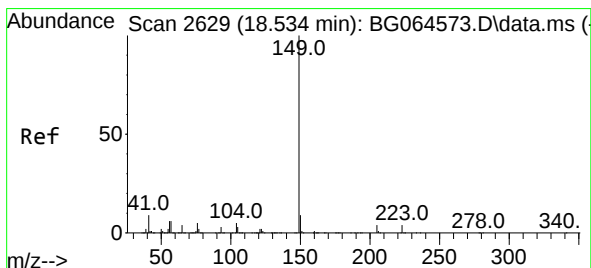
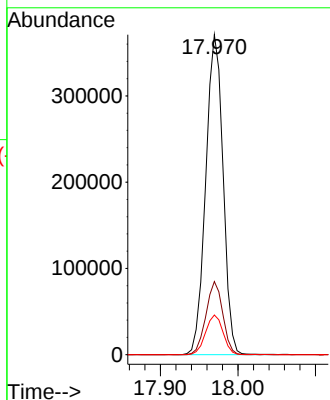
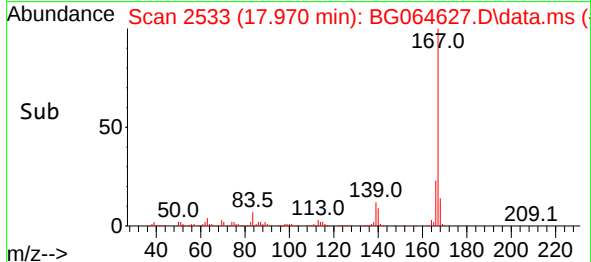
Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MS



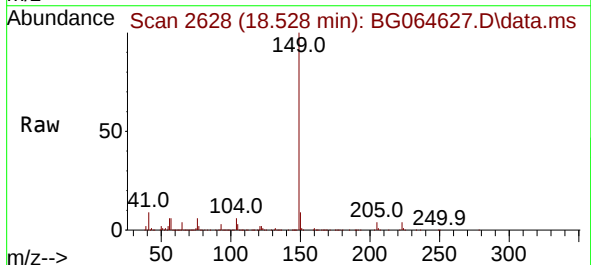
Tgt Ion:167 Resp: 57706
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.9 26.9
 139 12.4 9.7 14.5

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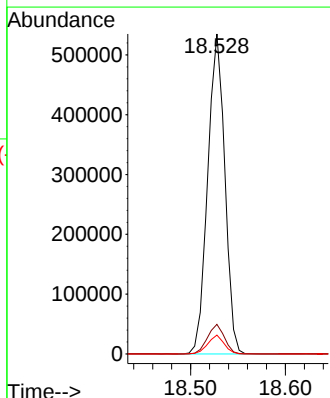
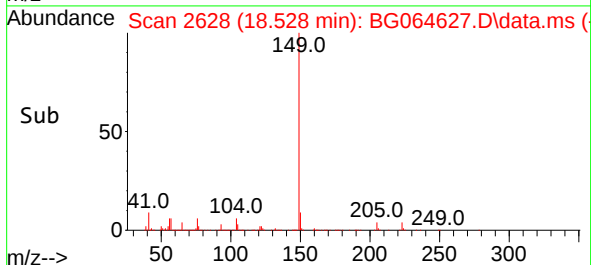
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

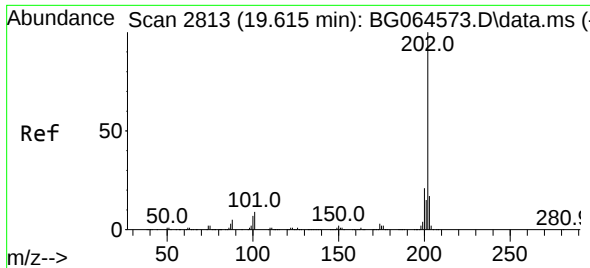


#74
 Di-n-butylphthalate
 Concen: 51.496 ng
 RT: 18.528 min Scan# 2628
 Delta R.T. -0.007 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34



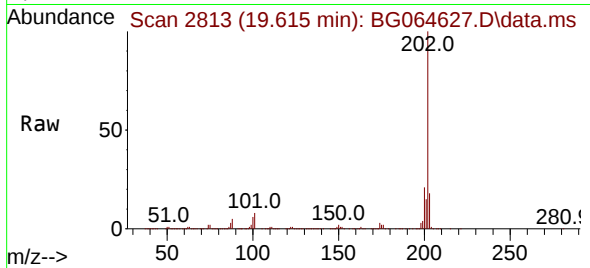
Tgt Ion:149 Resp: 670737
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.0 10.6
 104 5.9 4.1 6.1





#75
Fluoranthene
Concen: 51.033 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

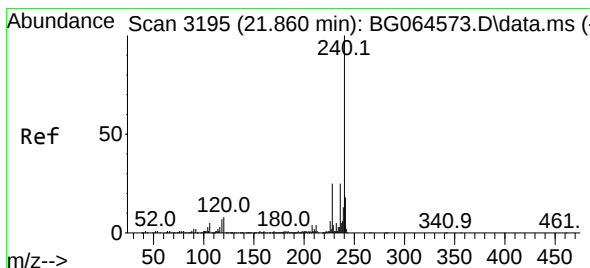
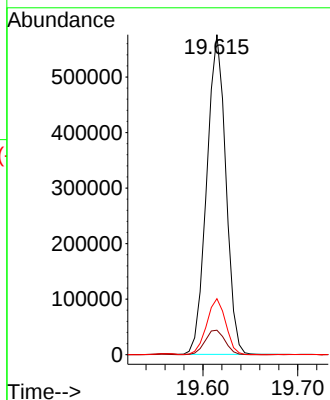
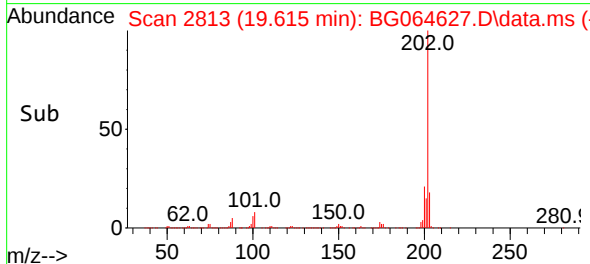
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:202 Resp: 80277
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.7
203 17.5 0.0 37.0

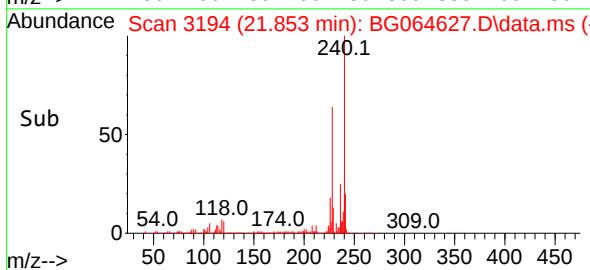
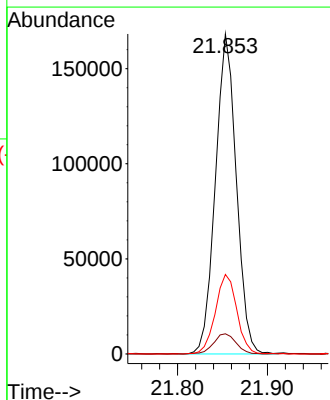
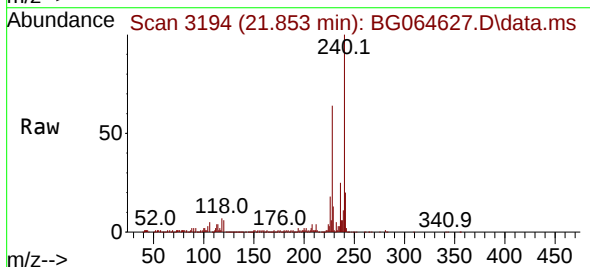
Manual Integrations
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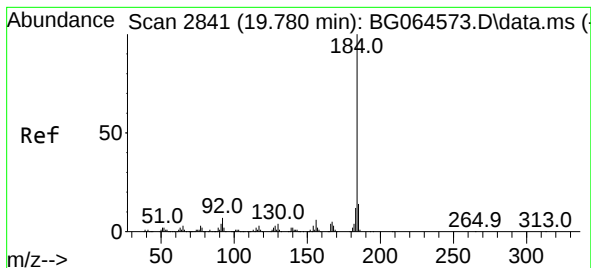
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:240 Resp: 271892
Ion Ratio Lower Upper
240 100
120 6.3 6.5 9.7#
236 24.8 20.2 30.2





#77

Benzidine

Concen: 41.873 ng

RT: 19.779 min Scan# 2841

Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

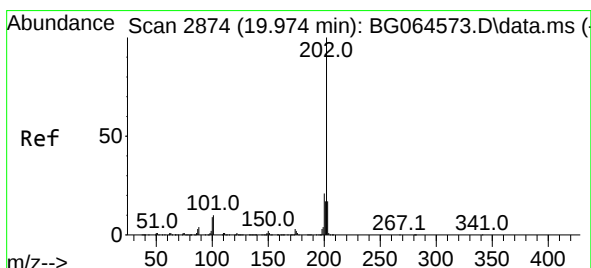
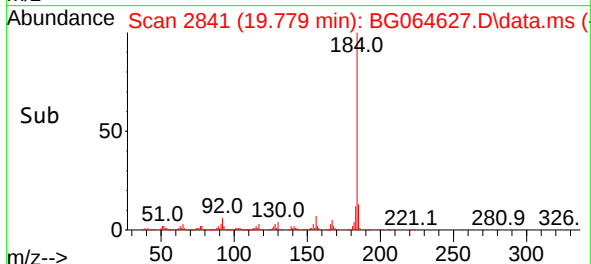
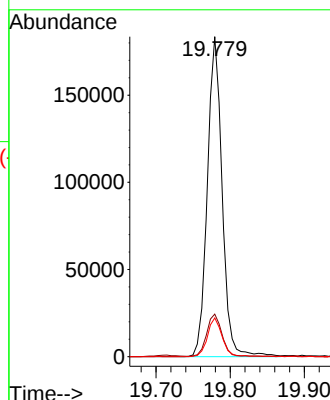
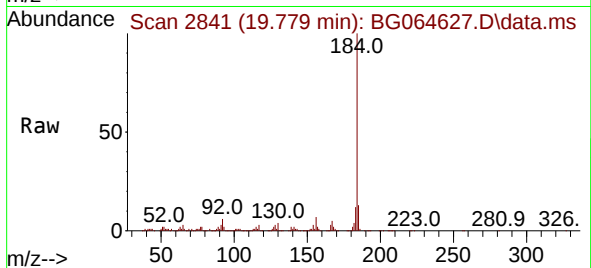
Tgt Ion:184 Resp: 255069

Ion	Ratio	Lower	Upper
184	100		
185	13.3	11.4	17.2
183	12.1	9.4	14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#78

Pyrene

Concen: 47.400 ng

RT: 19.973 min Scan# 2874

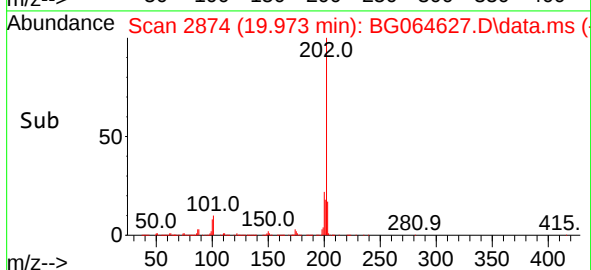
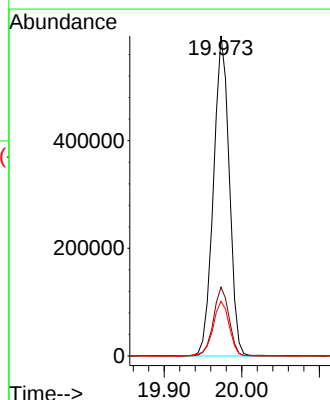
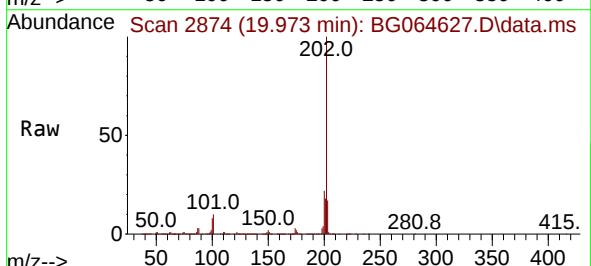
Delta R.T. -0.001 min

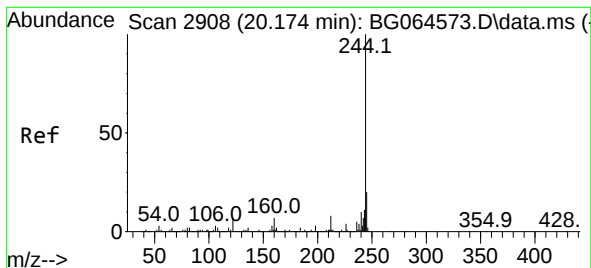
Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:202 Resp: 842015

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.1	13.8	20.6





#79

Terphenyl-d14

Concen: 60.445 ng

RT: 20.167 min Scan# 2908

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

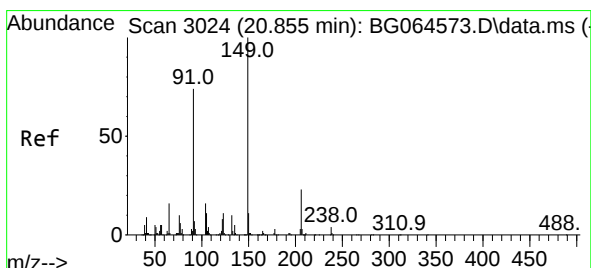
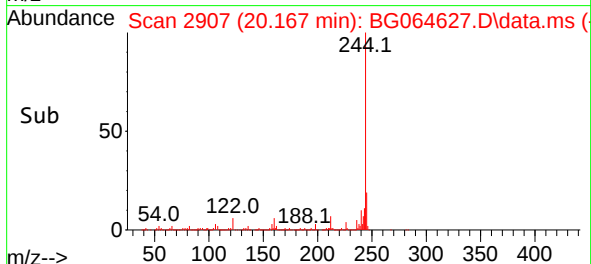
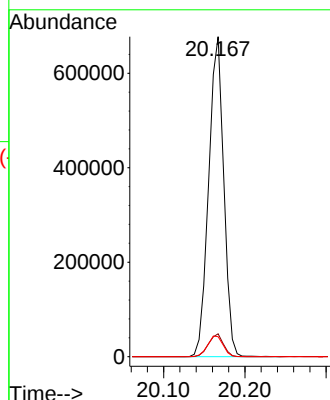
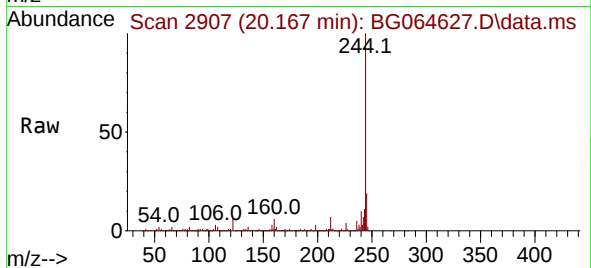
Tgt Ion:244 Resp: 870859

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.3	5.6	8.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#80

Butylbenzylphthalate

Concen: 57.734 ng

RT: 20.849 min Scan# 3023

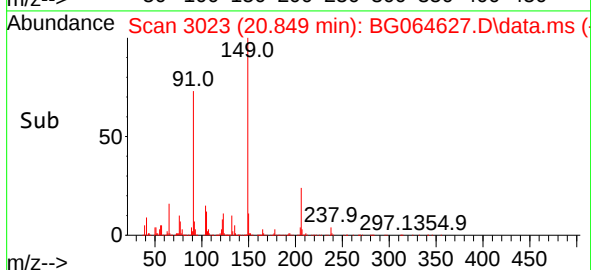
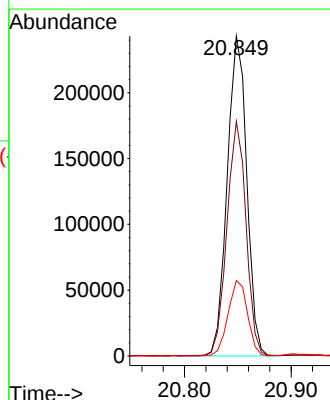
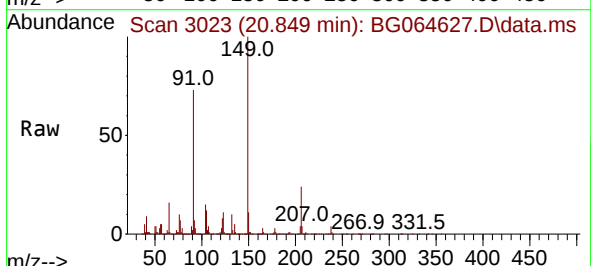
Delta R.T. -0.007 min

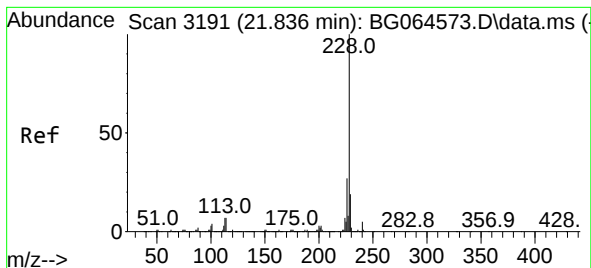
Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 309969

Ion	Ratio	Lower	Upper
149	100		
91	73.3	59.2	88.8
206	23.6	18.1	27.1





#81

Benzo(a)anthracene

Concen: 50.774 ng

RT: 21.836 min Scan# 3191

Delta R.T. -0.001 min

Lab File: BG064627.D

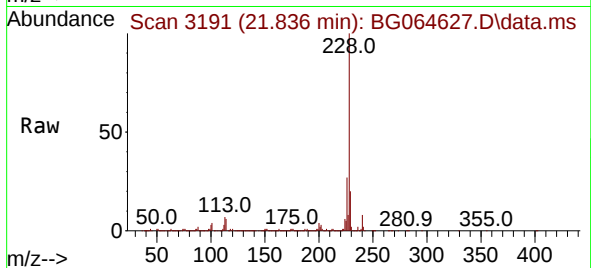
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:228 Resp: 91534

Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

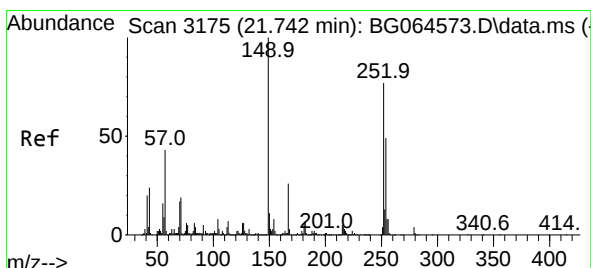
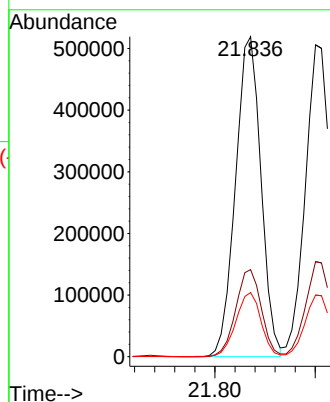
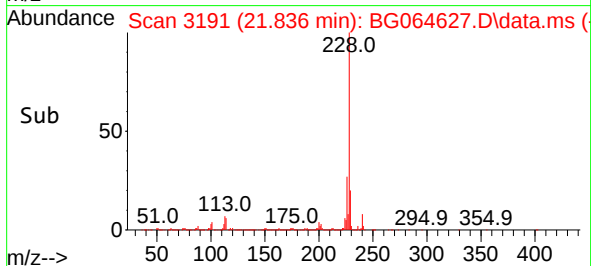
229 20.1 15.6 23.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#82

3,3'-Dichlorobenzidine

Concen: 27.720 ng

RT: 21.736 min Scan# 3174

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

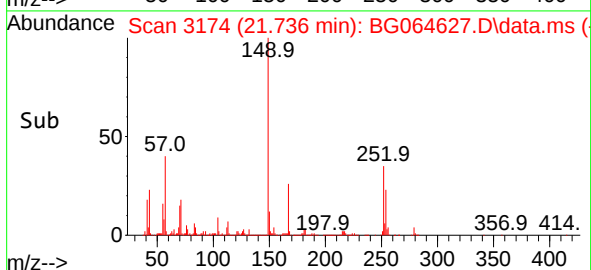
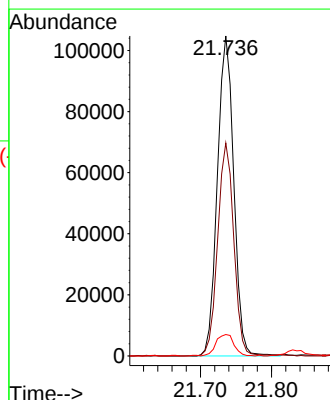
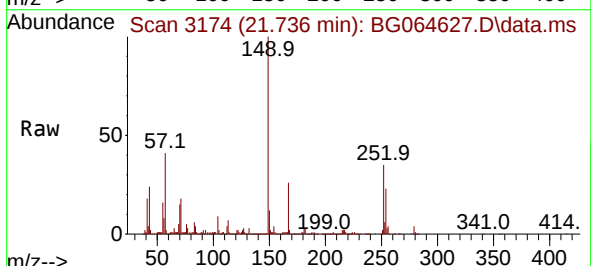
Tgt Ion:252 Resp: 166879

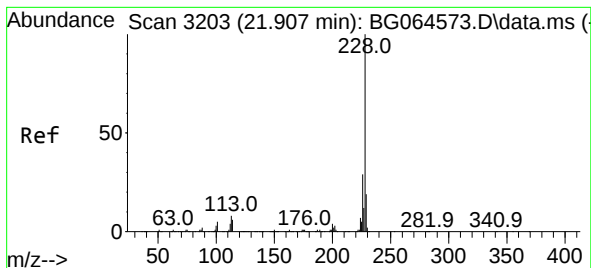
Ion Ratio Lower Upper

252 100

254 66.5 50.8 76.2

126 6.7 5.8 8.6





#83

Chrysene

Concen: 50.608 ng

RT: 21.900 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

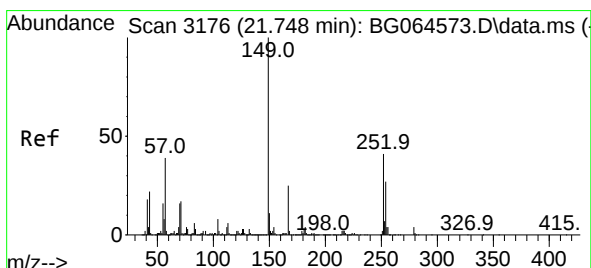
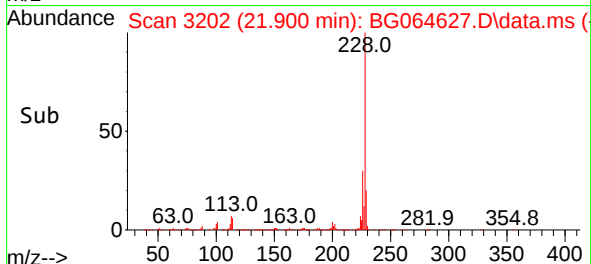
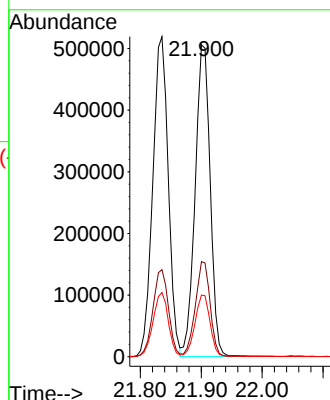
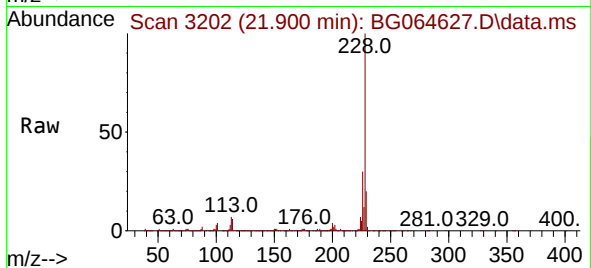
PR-132-S16-015094-20251021MS

Tgt Ion:228 Resp: 868130
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.3 34.9
 229 19.8 15.2 22.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.183 ng

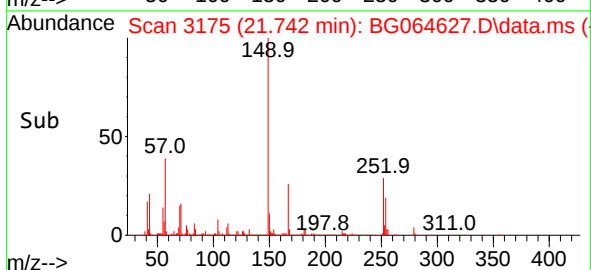
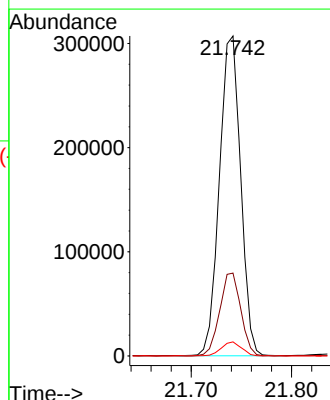
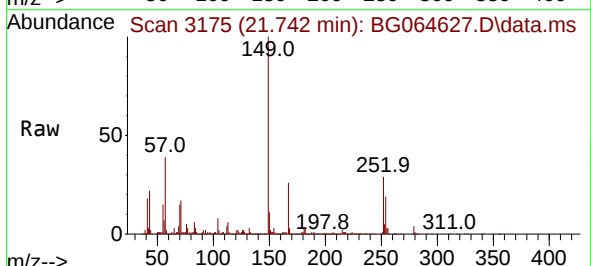
RT: 21.742 min Scan# 3175

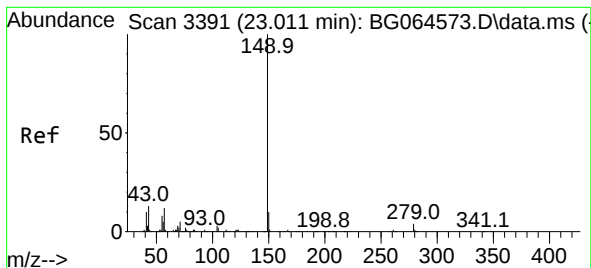
Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 450725
 Ion Ratio Lower Upper
 149 100
 167 25.9 20.0 30.0
 279 4.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 57.277 ng

RT: 22.999 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064627.D

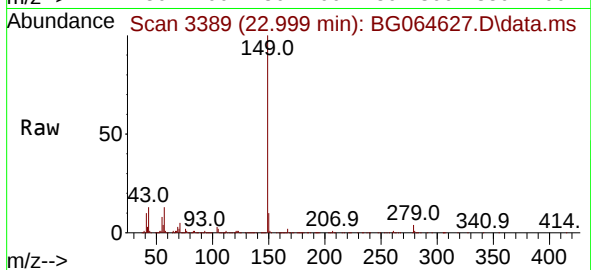
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:149 Resp: 77472

Ion Ratio Lower Upper

149 100

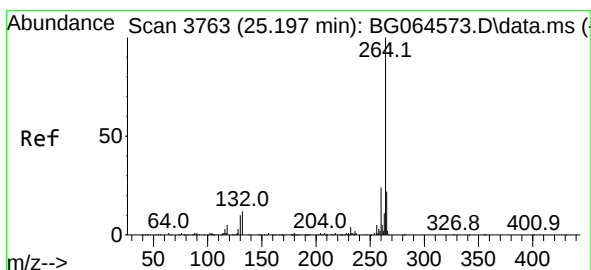
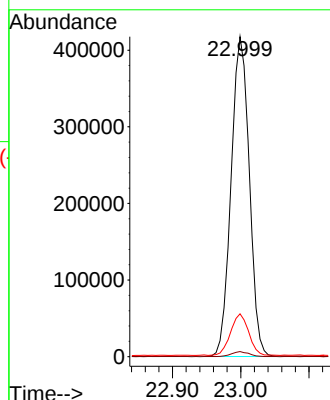
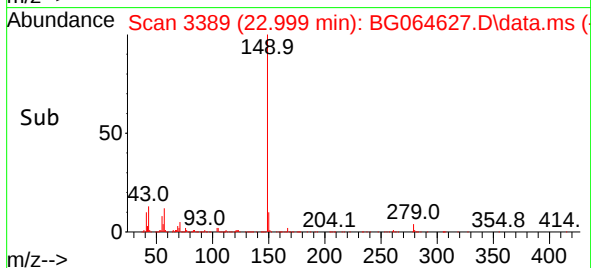
167 1.6 1.3 1.9

43 12.8 10.8 16.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.191 min Scan# 3762

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

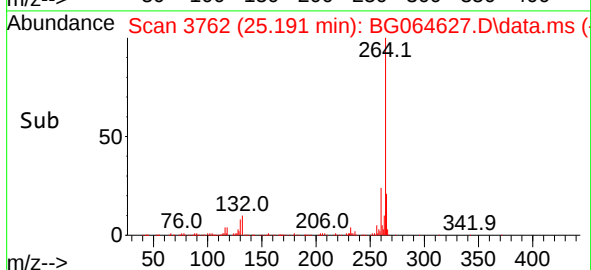
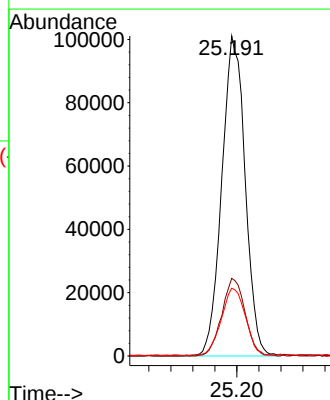
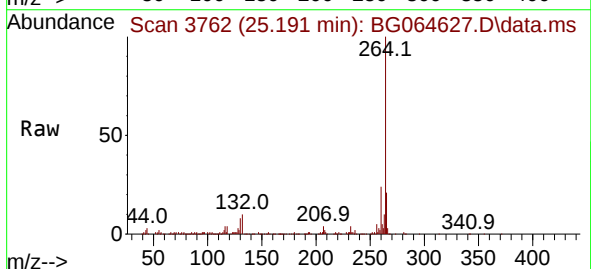
Tgt Ion:264 Resp: 296767

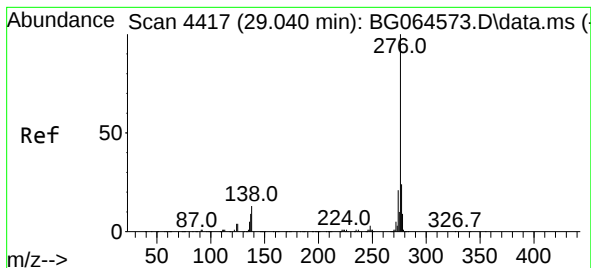
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 21.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.200 ng

RT: 29.033 min Scan# 4417

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:276 Resp: 111774

Ion Ratio Lower Upper

276 100

138 10.1 10.8 16.2

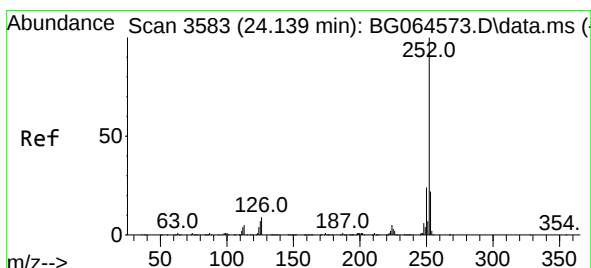
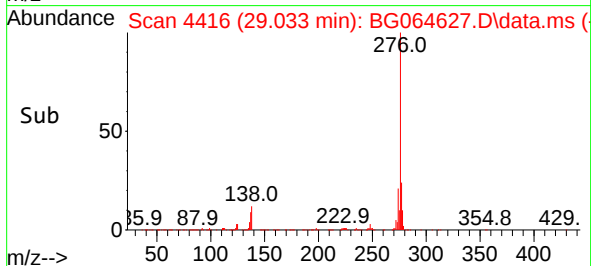
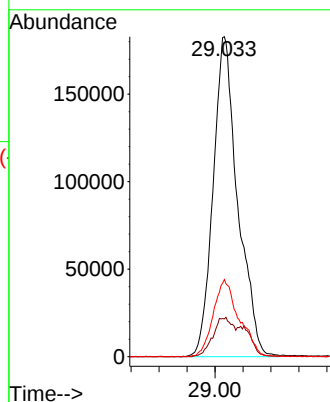
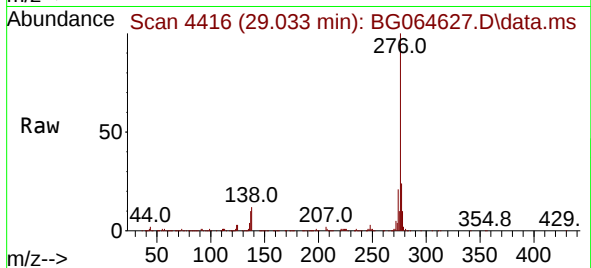
277 25.3 20.1 30.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#88

Benzo(b)fluoranthene

Concen: 50.237 ng

RT: 24.133 min Scan# 3582

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

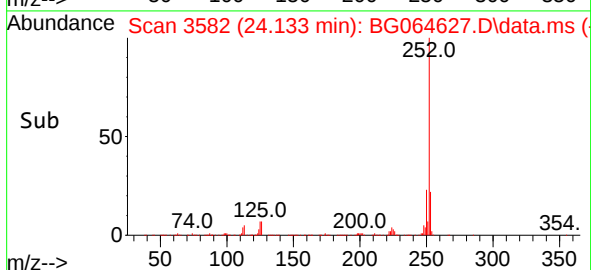
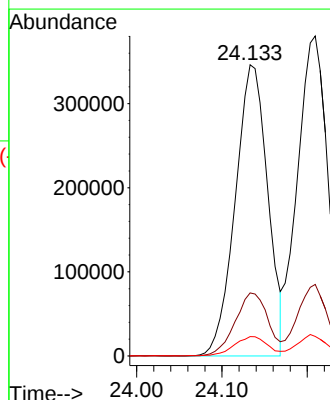
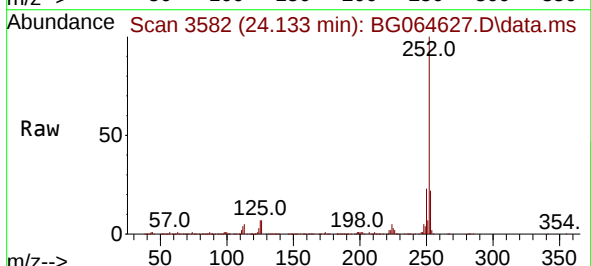
Tgt Ion:252 Resp: 914206

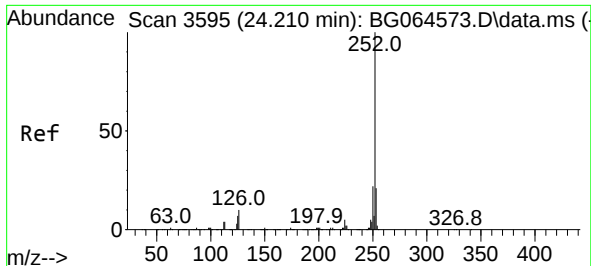
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 6.6 5.6 8.4





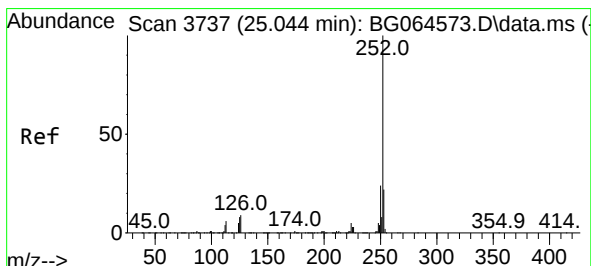
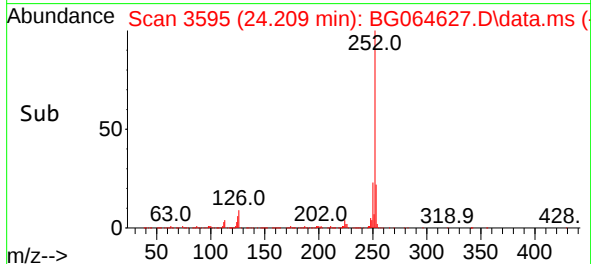
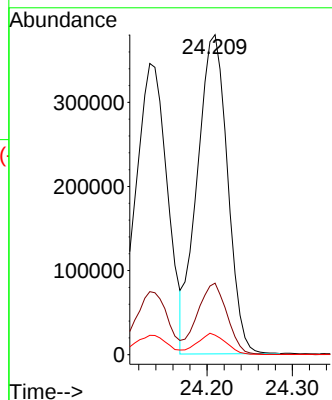
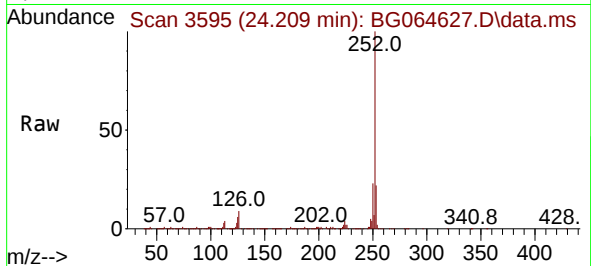
#89
Benzo(k)fluoranthene
Concen: 51.482 ng
RT: 24.209 min Scan# 3595
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:252 Resp: 937490
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 6.1 5.4 8.0

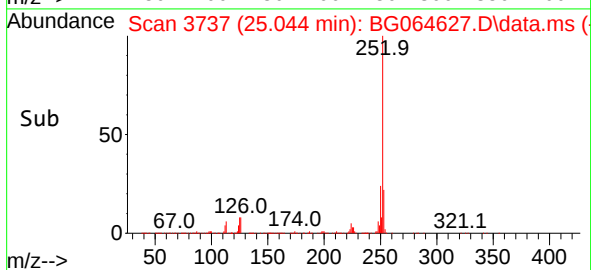
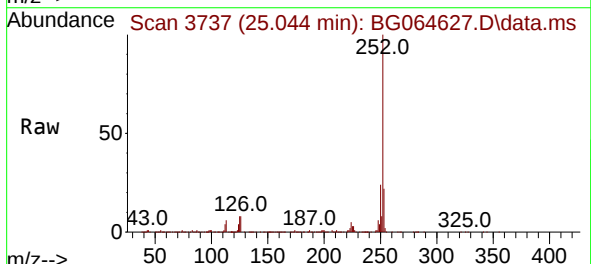
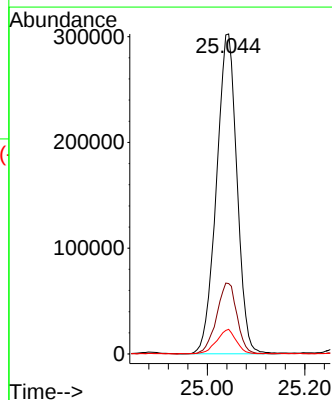
Manual Integrations
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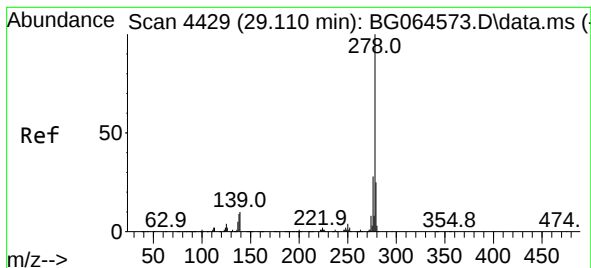
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#90
Benzo(a)pyrene
Concen: 52.828 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

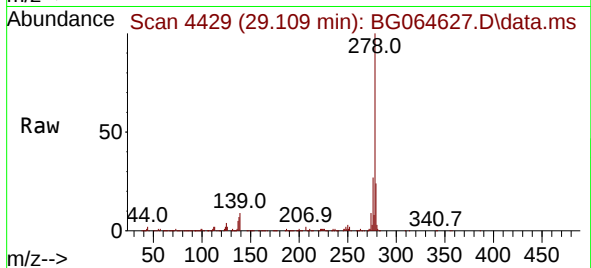
Tgt Ion:252 Resp: 883679
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.7 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 51.696 ng
RT: 29.109 min Scan# 4429
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

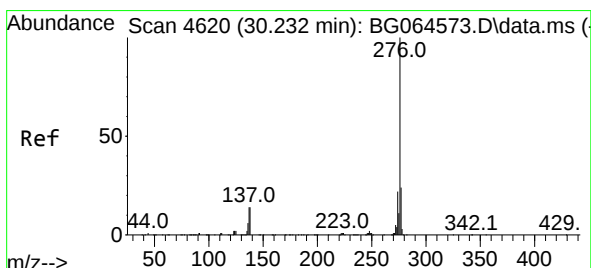
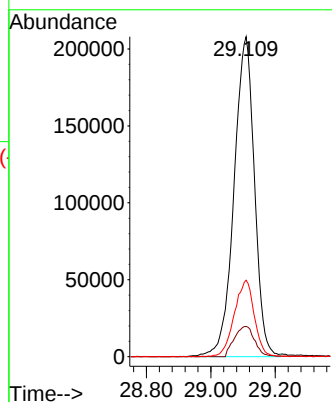
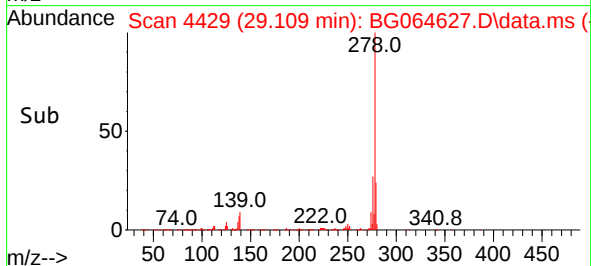
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



Tgt Ion:278 Resp: 91689
Ion Ratio Lower Upper
278 100
139 9.4 8.0 12.0
279 23.9 19.8 29.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 52.478 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:276 Resp: 889128
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 13.7 11.3 16.9

