

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064628.D
 Acq On : 29 Oct 2025 18:15
 Operator : RC/JU
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 30 04:57:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	31803	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	124534	20.000	ng	-0.01
39) Acenaphthene-d10	14.842	164	94989	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	230638	20.000	ng	0.00
76) Chrysene-d12	21.851	240	282250	20.000	ng	-0.01
86) Perylene-d12	25.189	264	308600	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	176100	92.942	ng	0.00
7) Phenol-d6	7.351	99	240854	92.637	ng	0.00
23) Nitrobenzene-d5	9.378	82	155218	74.861	ng	-0.01
42) 2,4,6-Tribromophenol	16.317	330	162190	118.302	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	366213	58.437	ng	-0.01
79) Terphenyl-d14	20.165	244	853453	57.063	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.579	88	31292	37.303	ng	94
3) Pyridine	3.990	79	91183	36.197	ng	99
4) n-Nitrosodimethylamine	3.896	42	64553	47.785	ng	95
6) Aniline	7.527	93	107880	30.493	ng	98
8) 2-Chlorophenol	7.774	128	98657	49.746	ng	100
9) Benzaldehyde	7.339	77	47639	33.562	ng	94
10) Phenol	7.380	94	134929	46.926	ng	97
11) bis(2-Chloroethyl)ether	7.527	93	107880	30.493	ng	98
12) 1,3-Dichlorobenzene	8.109	146	105133	46.058	ng	95
13) 1,4-Dichlorobenzene	8.250	146	106063	45.698	ng	95
14) 1,2-Dichlorobenzene	8.573	146	107759	48.136	ng	98
15) Benzyl Alcohol	8.444	79	100962	47.091	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	240700	43.406	ng	99
17) 2-Methylphenol	8.444	107	50526	47.146	ng	88
18) Hexachloroethane	9.319	117	40307	49.488	ng	96
19) n-Nitroso-di-n-propyla...	9.019	70	80697	44.910	ng	98
20) 3+4-Methylphenols	8.972	107	125897	46.893	ng	98
22) Acetophenone	9.037	105	172795	50.758	ng	# 96
24) Nitrobenzene	9.425	77	122938	54.514	ng	99
25) Isophorone	9.954	82	230244	46.278	ng	100
26) 2-Nitrophenol	10.142	139	54798	62.001	ng	# 90
27) 2,4-Dimethylphenol	10.194	122	102164	54.121	ng	95
28) bis(2-Chloroethoxy)met...	10.429	93	131967	46.587	ng	99
29) 2,4-Dichlorophenol	10.676	162	105842	53.143	ng	99
30) 1,2,4-Trichlorobenzene	10.899	180	119635	52.868	ng	97
31) Naphthalene	11.093	128	325077	47.081	ng	99
32) Benzoic acid	10.318	122	89736	63.358	ng	92
33) 4-Chloroaniline	11.187	127	54442	20.286	ng	96
34) Hexachlorobutadiene	11.387	225	89857	50.775	ng	98
35) Caprolactam	11.945	113	18039	23.615	ng	97
36) 4-Chloro-3-methylphenol	12.292	107	122597	51.210	ng	98
37) 2-Methylnaphthalene	12.686	142	219604	43.321	ng	98
38) 1-Methylnaphthalene	12.903	142	228542	45.818	ng	96
40) 1,2,4,5-Tetrachloroben...	13.050	216	178313	55.934	ng	99
41) Hexachlorocyclopentadiene	13.032	237	208614	145.386	ng	98
43) 2,4,6-Trichlorophenol	13.279	196	103636	56.833	ng	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	115660	54.963	ng	96
46) 1,1'-Biphenyl	13.679	154	365386	54.107	ng	97
47) 2-Chloronaphthalene	13.726	162	249530	48.952	ng	98
48) 2-Nitroaniline	13.908	65	93564	54.228	ng	94
49) Acenaphthylene	14.566	152	439745	54.693	ng	99
50) Dimethylphthalate	14.284	163	347153	47.761	ng	99
51) 2,6-Dinitrotoluene	14.395	165	70596	58.141	ng	99
52) Acenaphthene	14.907	154	301997	54.976	ng	98
53) 3-Nitroaniline	14.724	138	48285	38.655	ng	96
54) 2,4-Dinitrophenol	14.930	184	96369	127.399	ng	# 39
55) Dibenzofuran	15.236	168	423783	47.718	ng	97
56) 4-Nitrophenol	15.018	139	131383	113.444	ng	91
57) 2,4-Dinitrotoluene	15.183	165	102203	54.664	ng	# 97
58) Fluorene	15.882	166	334548	48.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.453	232	117236	58.261	ng	99
60) Diethylphthalate	15.641	149	350180	47.184	ng	99
61) 4-Chlorophenyl-phenyle...	15.870	204	189500	48.686	ng	98
62) 4-Nitroaniline	15.888	138	78479	56.473	ng	95
63) Azobenzene	16.164	77	349461	51.319	ng	99
65) 4,6-Dinitro-2-methylph...	15.941	198	67333	64.272	ng	91
66) n-Nitrosodiphenylamine	16.082	169	311250	49.959	ng	98
67) 4-Bromophenyl-phenylether	16.763	248	136215	49.838	ng	98
68) Hexachlorobenzene	16.887	284	156412	50.163	ng	99
69) Atrazine	17.022	200	143329	53.460	ng	97
70) Pentachlorophenol	17.221	266	215900	111.038	ng	96
71) Phenanthrene	17.621	178	614558	48.725	ng	99
72) Anthracene	17.709	178	618291	48.191	ng	100
73) Carbazole	17.968	167	555268	49.079	ng	99
74) Di-n-butylphthalate	18.526	149	660445	50.481	ng	99
75) Fluoranthene	19.613	202	798695	50.549	ng	98
77) Benzidine	19.777	184	266267	42.107	ng	99
78) Pyrene	19.971	202	826087	44.797	ng	99
80) Butylbenzylphthalate	20.852	149	307248	55.127	ng	95
81) Benzo(a)anthracene	21.834	228	915839	48.937	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	172028	27.527	ng	99
83) Chrysene	21.904	228	856872	48.119	ng	98
84) Bis(2-ethylhexyl)phtha...	21.740	149	456370	54.799	ng	99
85) Di-n-octyl phthalate	22.997	149	762527	54.307	ng	99
87) Indeno(1,2,3-cd)pyrene	29.031	276	1124787	49.546	ng	# 97
88) Benzo(b)fluoranthene	24.131	252	922791	48.765	ng	99
89) Benzo(k)fluoranthene	24.202	252	941575	49.723	ng	98
90) Benzo(a)pyrene	25.036	252	881844	50.697	ng	99
91) Dibenzo(a,h)anthracene	29.102	278	919177	49.838	ng	97
92) Benzo(g,h,i)perylene	29.031	276	1124787	49.546	ng	98

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

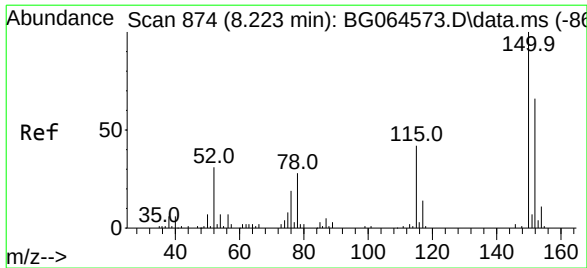
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Abundance

TIC: BG064628.D\data.ms

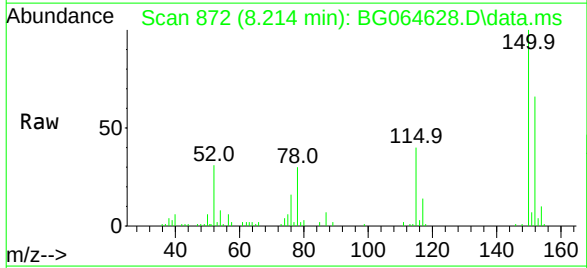
Time-->

2-Fluorophenol,S
Phenol-d6 S
2-Methylnaphthalene
1-Methylnaphthalene
2-Chloronaphthalene,L
Dimethylphthalate
Acenaphthylene
2,4-Dinitrophenol,Nitrofluorene,C
Dienzo[1,2-b]pyrene
2,3,4,6-Tetrachlorophthalate
Azobenzene
D-Nitrosodiphenylamine,c
2,4,6-Trifluoronitrophenol,S
4-Bromodiphenylether
Aniline
Pentachlorophendiol,C
Anthracene
Carbazole
Di-n-butylphthalate
Benzidine
Fluoranthene,C
Pyrene
Terphenyl-d14-S
Butylbenzylphthalate
Chrysene-d12
Benzo(a)anthracene
Dl-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(e)fluoranthene
Benzo(a)pyrene,C
Betracene
Benzo(k)fluoranthene

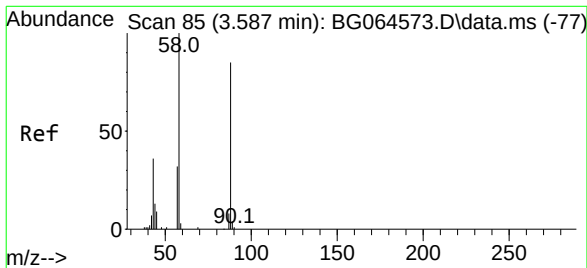
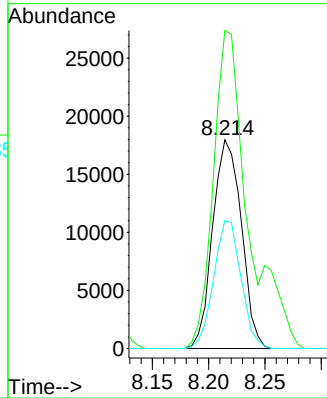
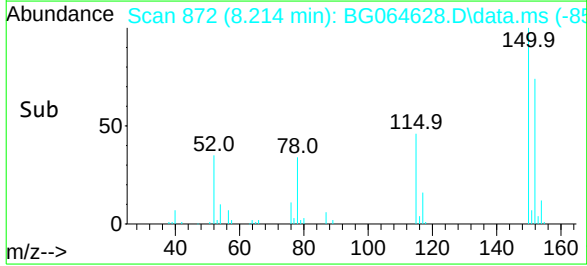


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 87
Delta R.T. -0.007 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

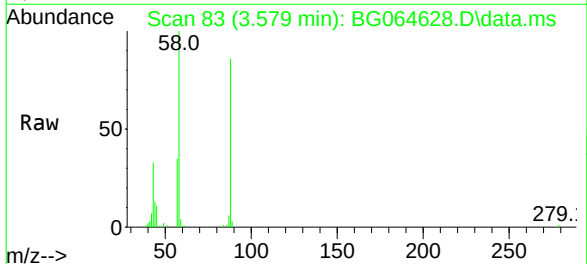
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BNA_G
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PR-132-S16-015094-20251021MSD



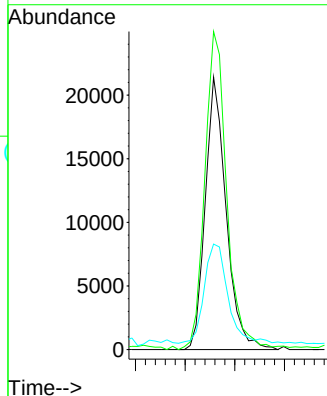
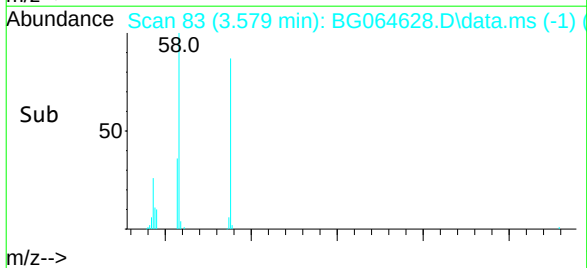
Tgt Ion: 152 Resp: 31803
Ion Ratio Lower Upper
152 100
150 152.5 122.2 183.4
115 61.4 50.8 76.2

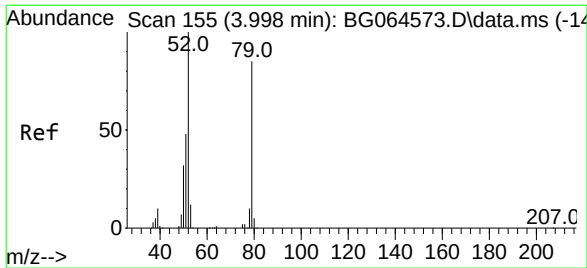


#2
1,4-Dioxane
Concen: 37.303 ng
RT: 3.579 min Scan# 83
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion: 88 Resp: 31292
Ion Ratio Lower Upper
88 100
58 123.9 92.4 138.6
43 41.9 33.0 49.6





Pyridine

Concen: 36.197 ng

RT: 3.990 min Scan# 15

Delta R.T. -0.006 min

Lab File: BG064628.D

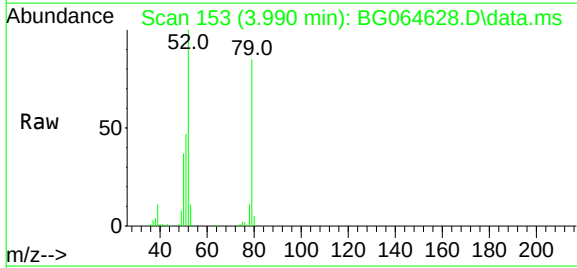
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



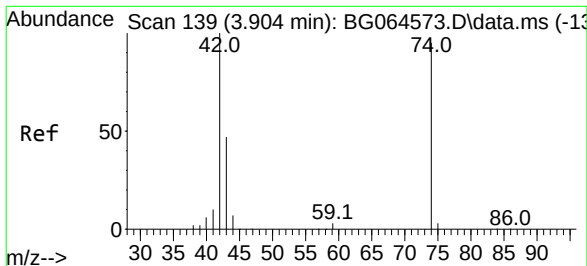
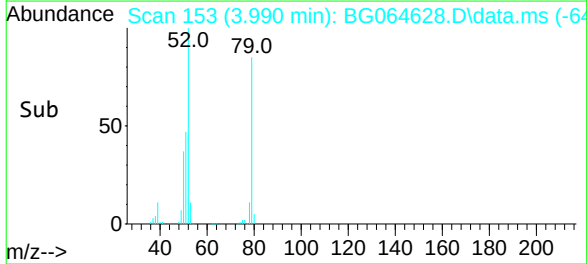
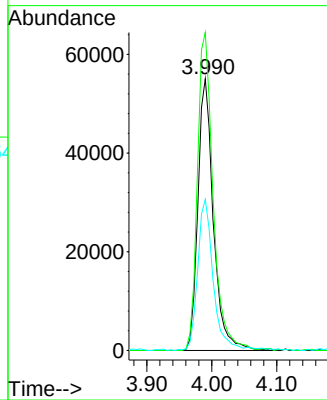
Tgt Ion: 79 Resp: 91183

Ion Ratio Lower Upper

79 100

52 117.1 94.2 141.2

51 55.6 46.1 69.1



n-Nitrosodimethylamine

Concen: 47.785 ng

RT: 3.896 min Scan# 137

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

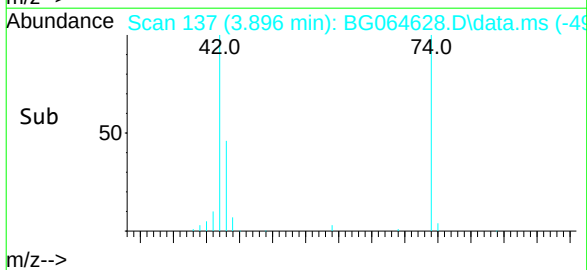
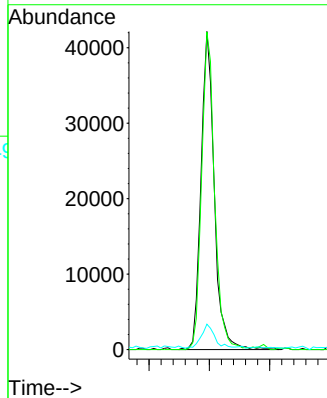
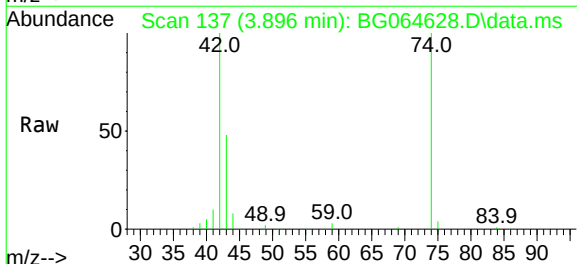
Tgt Ion: 42 Resp: 64553

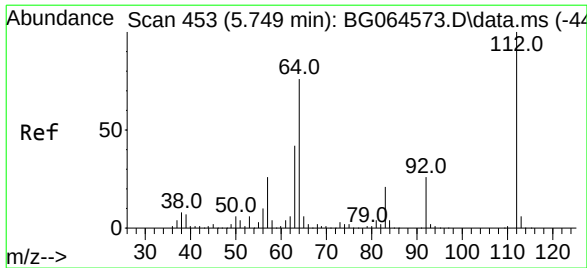
Ion Ratio Lower Upper

42 100

74 99.8 76.1 114.1

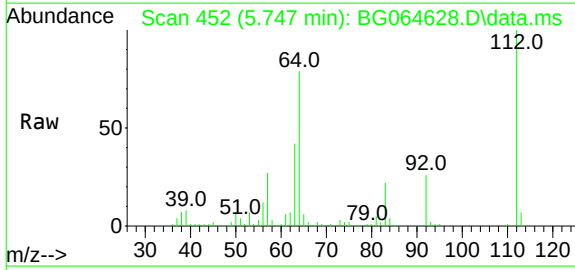
44 8.0 6.3 9.5



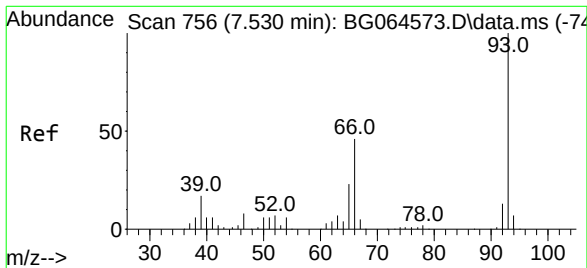
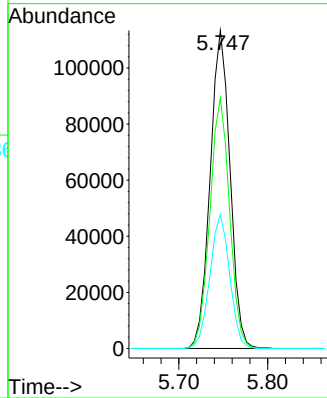
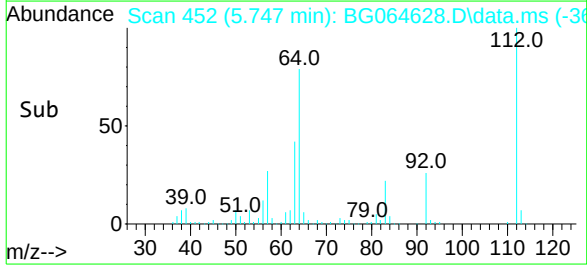


#5
2-Fluorophenol
Concen: 92.942 ng
RT: 5.747 min Scan# 453
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

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

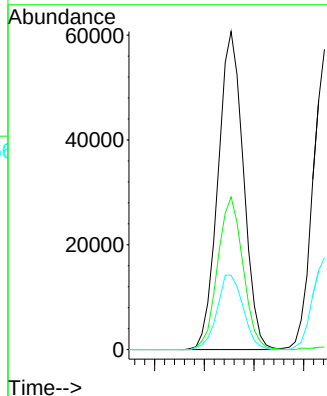
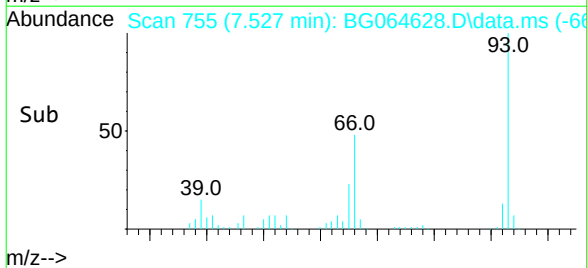
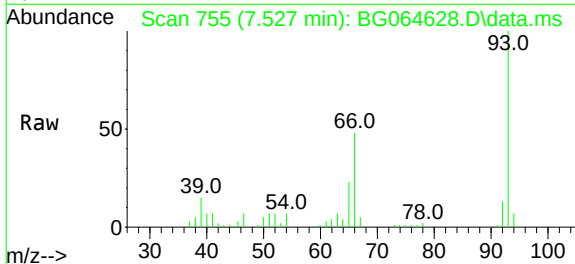


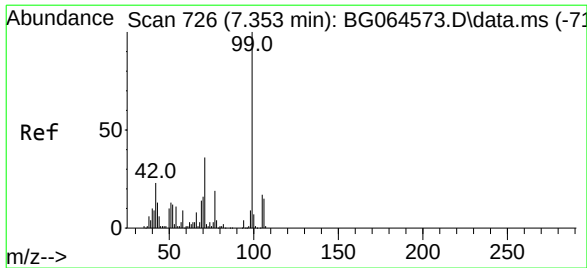
Tgt Ion:112 Resp: 176100
Ion Ratio Lower Upper
112 100
64 78.8 60.7 91.1
63 42.2 33.4 50.0



#6
Aniline
Concen: 30.493 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 107880
Ion Ratio Lower Upper
93 100
66 48.0 37.0 55.6
65 23.4 18.3 27.5

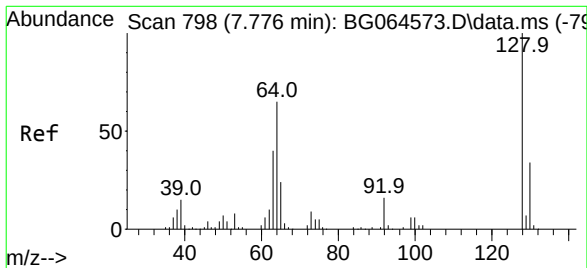
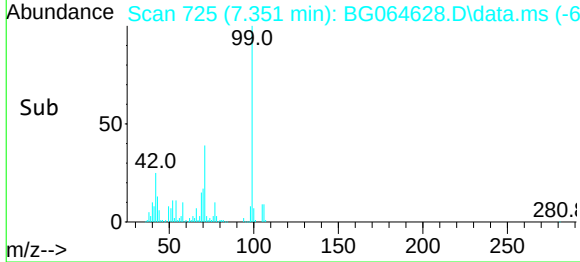
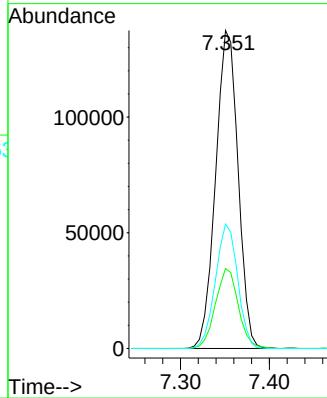
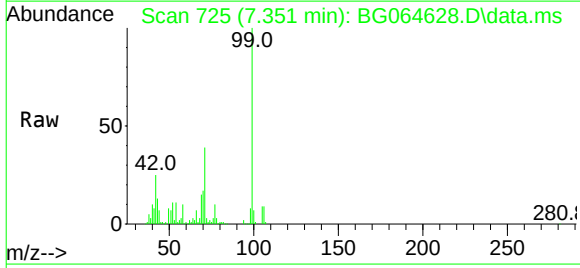




#7
Phenol-d6
Concen: 92.637 ng
RT: 7.351 min Scan# 726
Delta R.T. -0.006 min
Lab File: BG064628.D
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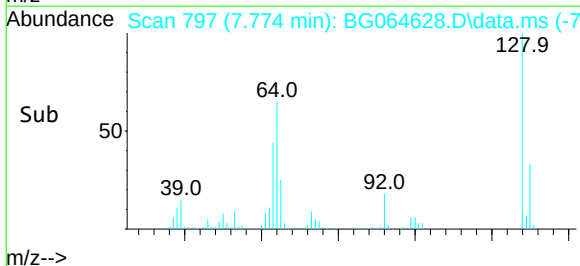
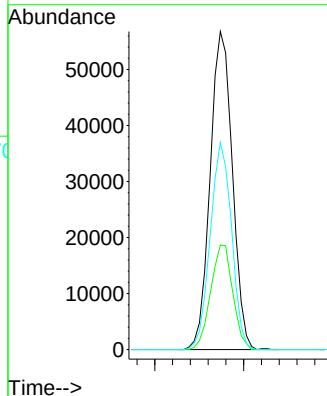
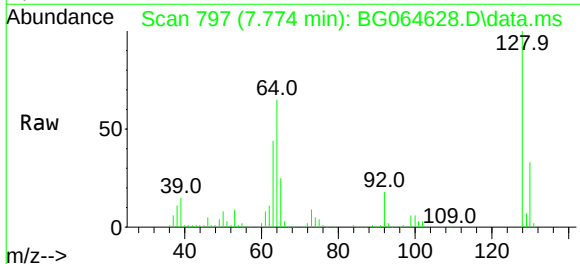
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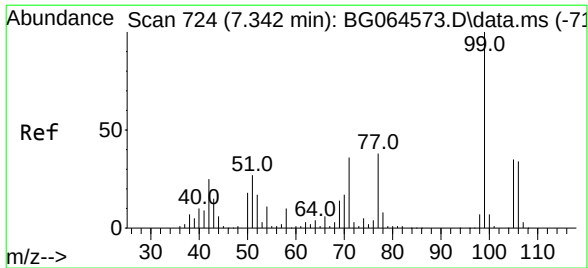
Tgt Ion:	99	Resp:	240854
Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.3	27.5
71	39.1	28.6	43.0



#8
2-Chlorophenol
Concen: 49.746 ng
RT: 7.774 min Scan# 797
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

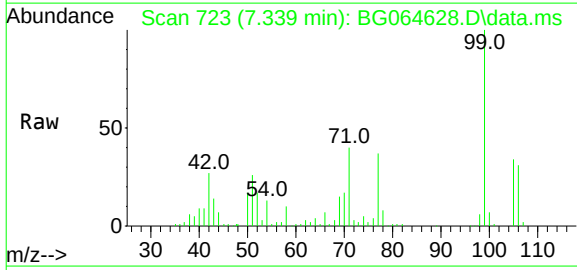
Tgt Ion:	128	Resp:	98657
Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.5	53.5
64	65.2	45.2	85.2



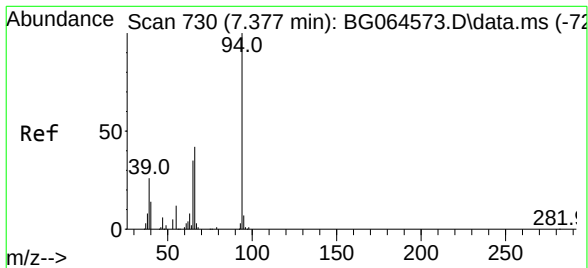
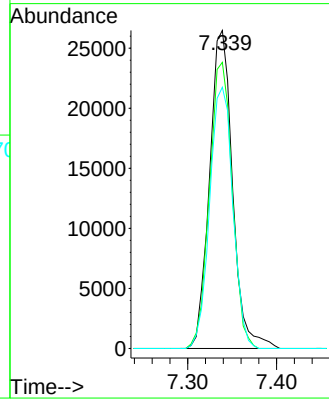
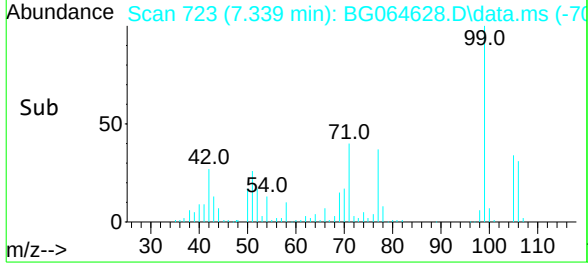


#9
Benzaldehyde
Concen: 33.562 ng
RT: 7.339 min Scan# 724
Delta R.T. -0.000 min
Lab File: BG064628.D
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Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD

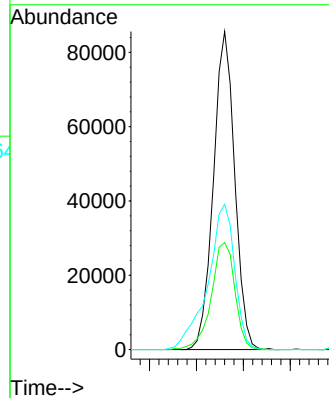
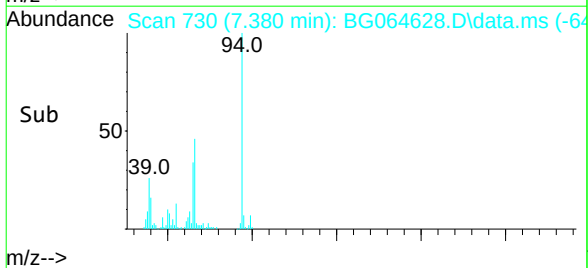
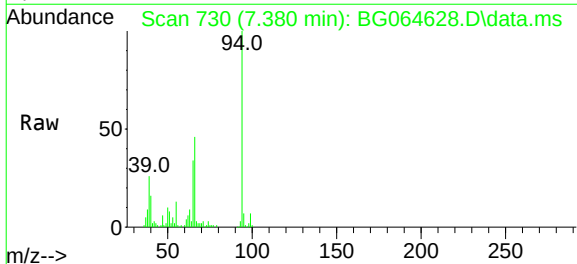


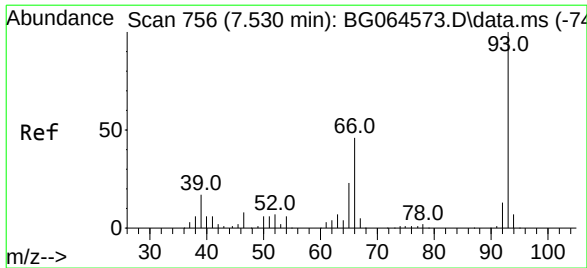
Tgt Ion: 77 Resp: 47639
Ion Ratio Lower Upper
77 100
105 90.0 72.9 112.9
106 82.1 70.8 110.8



#10
Phenol
Concen: 46.926 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 94 Resp: 134929
Ion Ratio Lower Upper
94 100
65 33.6 15.8 55.8
66 45.7 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 30.493 ng

RT: 7.527 min Scan# 755

Delta R.T. -0.006 min

Lab File: BG064628.D

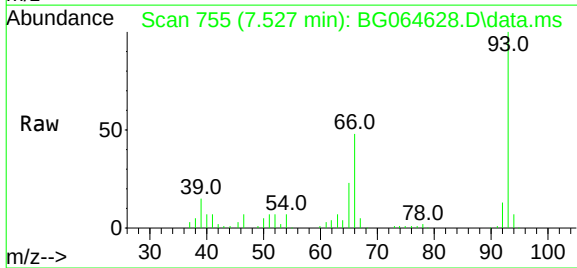
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



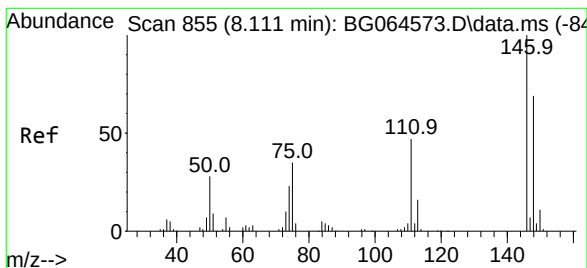
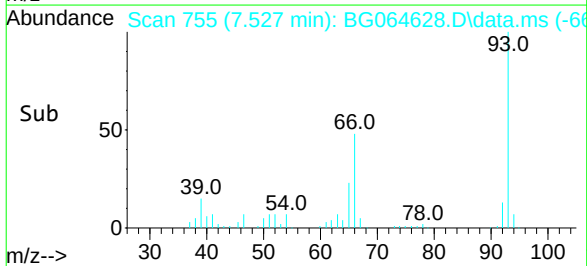
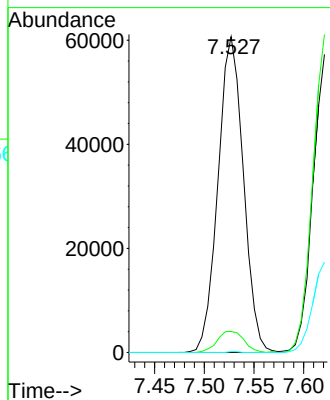
Tgt Ion: 93 Resp: 107880

Ion Ratio Lower Upper

93 100

63 6.7 0.0 27.4

95 0.3 0.0 20.2



#12

1,3-Dichlorobenzene

Concen: 46.058 ng

RT: 8.109 min Scan# 854

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

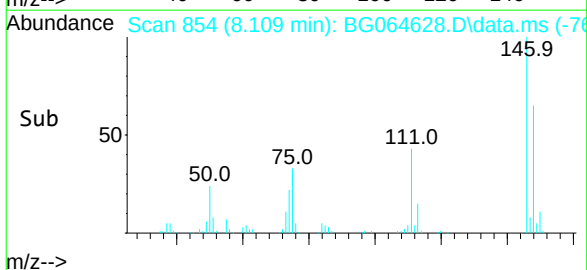
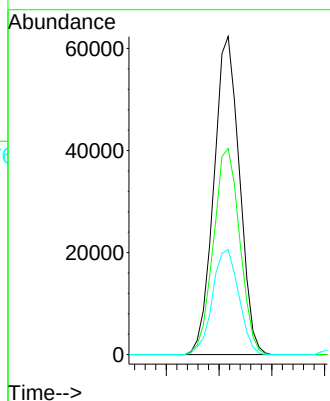
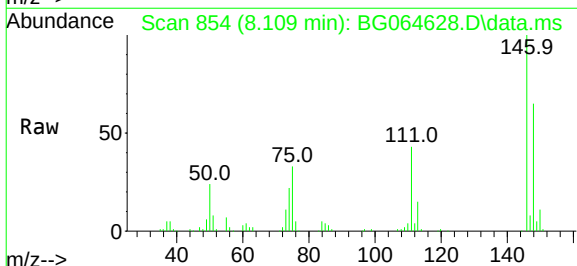
Tgt Ion:146 Resp: 105133

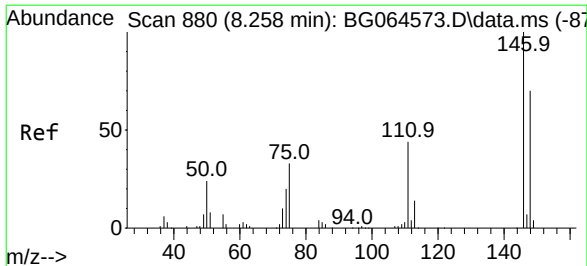
Ion Ratio Lower Upper

146 100

148 64.8 55.3 82.9

75 33.0 28.2 42.2

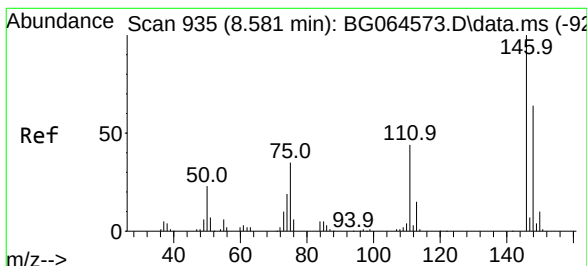
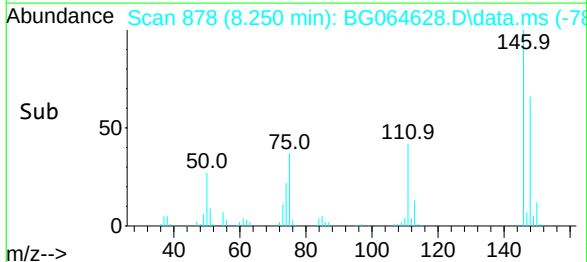
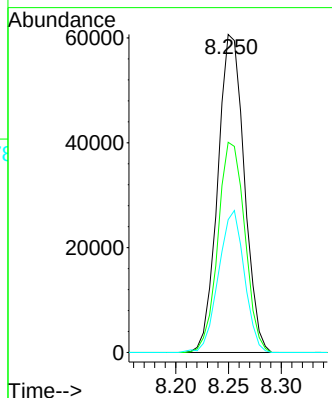
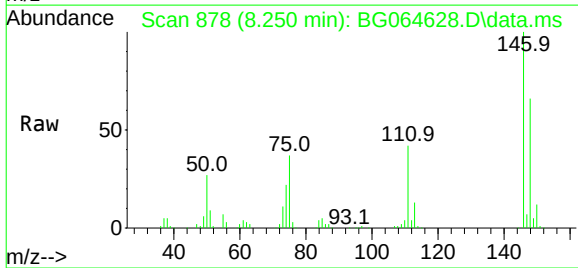




#13
1,4-Dichlorobenzene
Concen: 45.698 ng
RT: 8.250 min Scan# 87
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

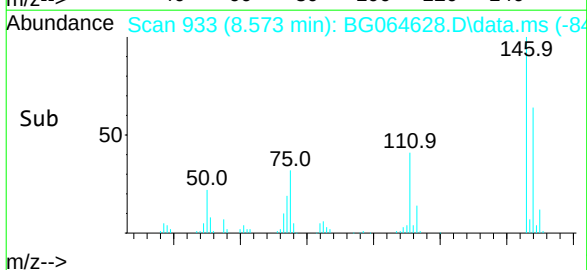
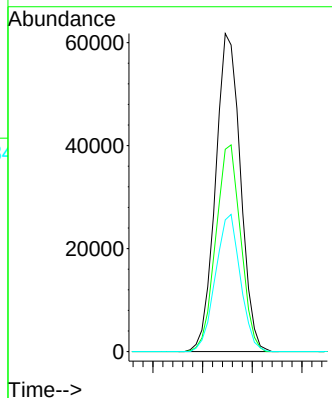
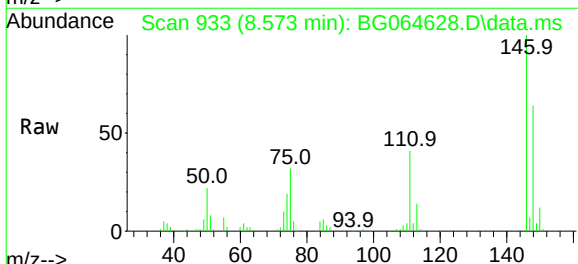
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

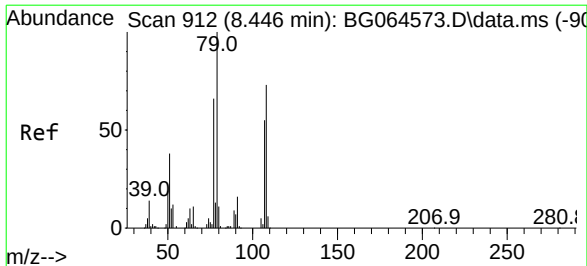
Tgt Ion:146 Resp: 106063
Ion Ratio Lower Upper
146 100
148 66.1 56.2 84.4
111 41.8 35.4 53.0



#14
1,2-Dichlorobenzene
Concen: 48.136 ng
RT: 8.573 min Scan# 933
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:146 Resp: 107759
Ion Ratio Lower Upper
146 100
148 63.6 51.5 77.3
111 41.4 35.0 52.6

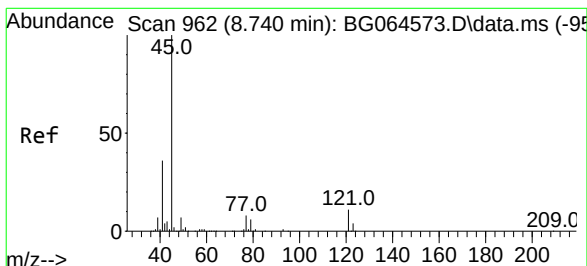
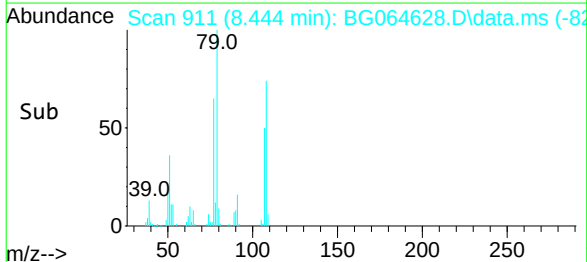
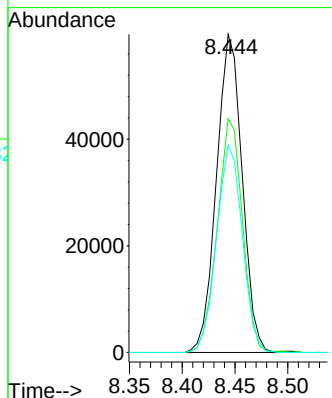
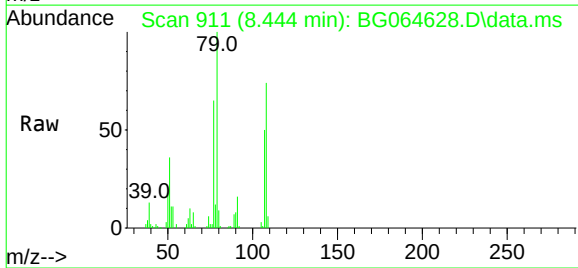




#15
Benzyl Alcohol
Concen: 47.091 ng
RT: 8.444 min Scan# 912
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

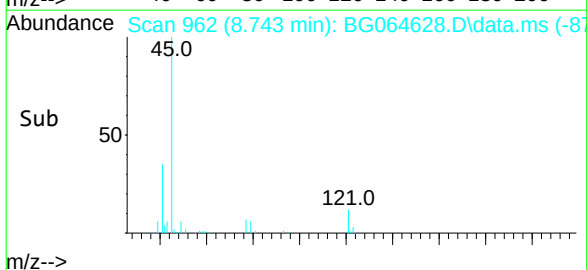
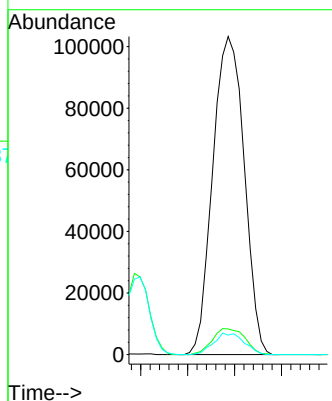
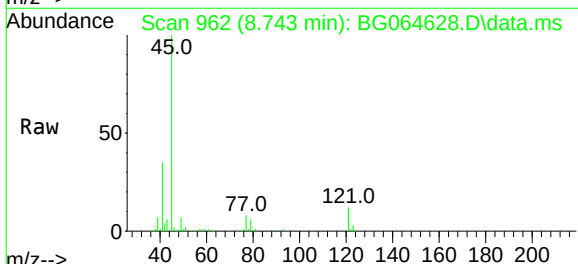
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

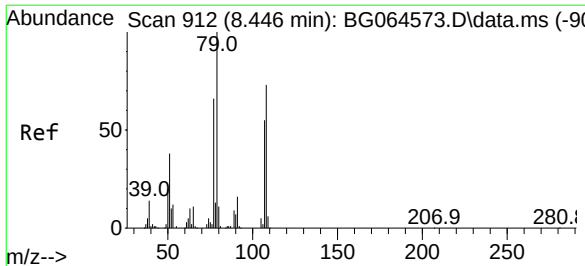
Tgt Ion: 79 Resp: 100962
Ion Ratio Lower Upper
79 100
108 73.5 58.1 87.1
77 65.1 52.8 79.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.406 ng
RT: 8.743 min Scan# 962
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

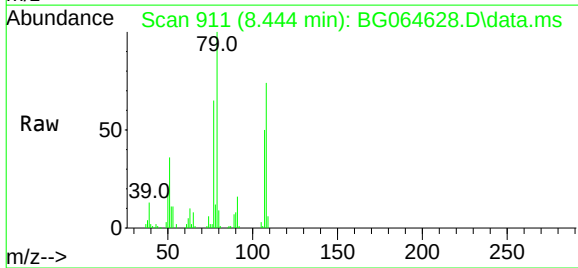
Tgt Ion: 45 Resp: 240700
Ion Ratio Lower Upper
45 100
77 8.1 0.0 28.5
79 6.1 0.0 25.6



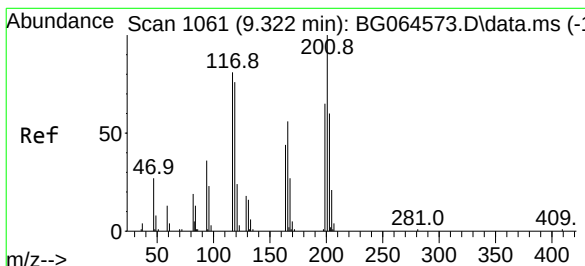
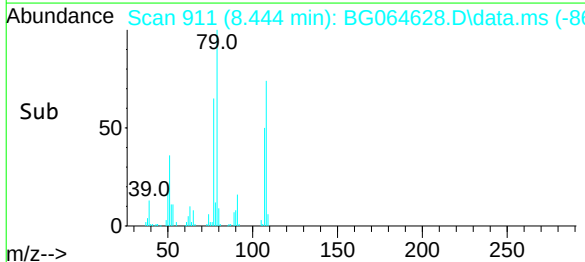
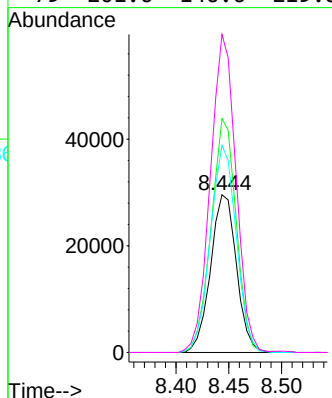


#17
2-Methylphenol
Concen: 47.146 ng
RT: 8.444 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

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

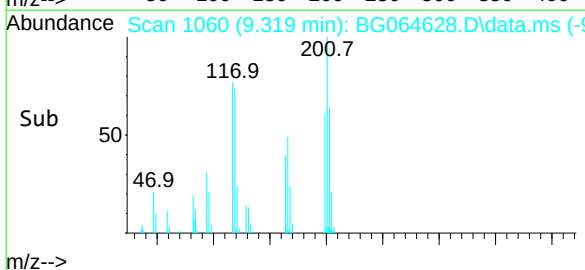
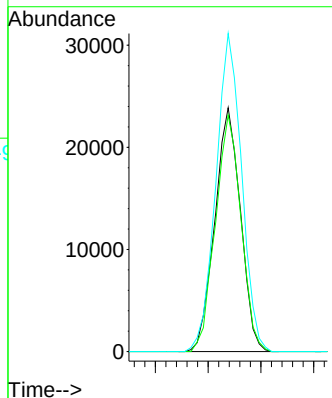
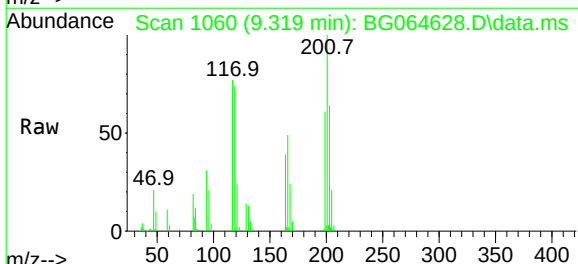


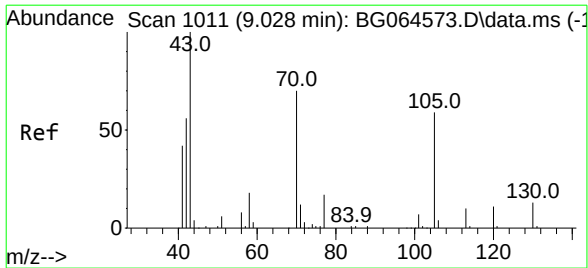
Tgt Ion	Ratio	Lower	Upper
107	100		
108	148.3	106.4	159.6
77	131.3	96.7	145.1
79	201.6	146.6	219.8



#18
Hexachloroethane
Concen: 49.488 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.4	113.2
201	130.5	99.2	148.8

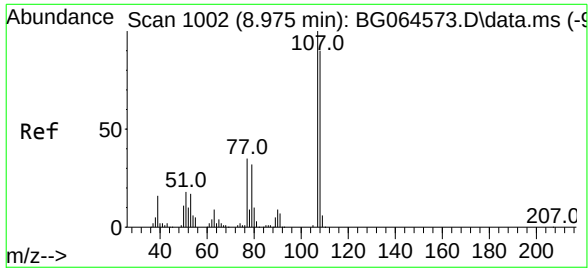
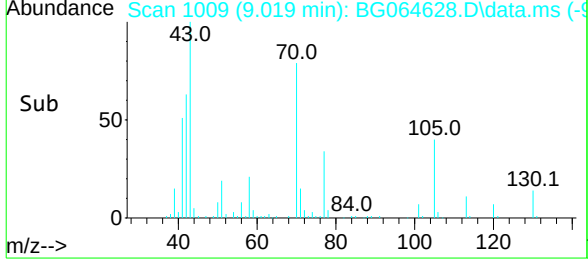
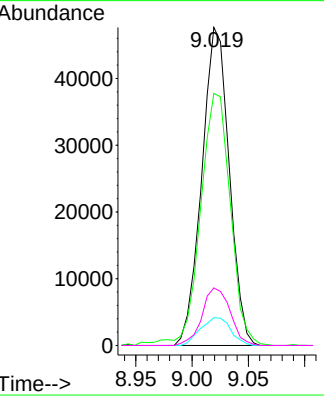
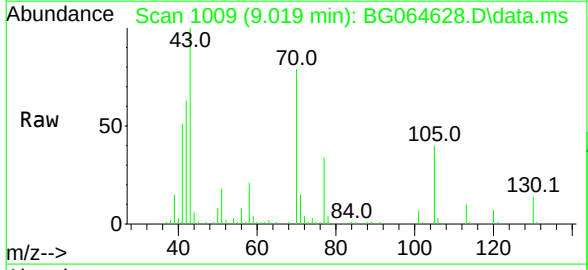




#19
 n-Nitroso-di-n-propylamine
 Concen: 44.910 ng
 RT: 9.019 min Scan# 10
 Delta R.T. -0.012 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15

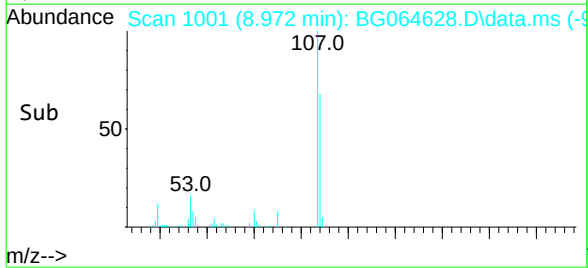
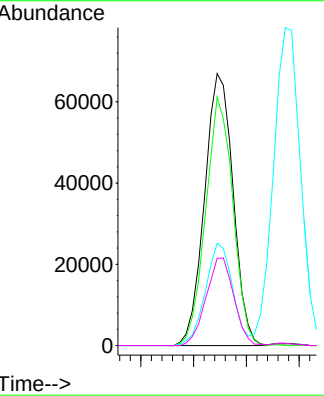
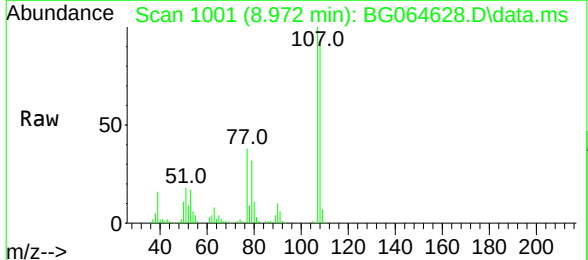
Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

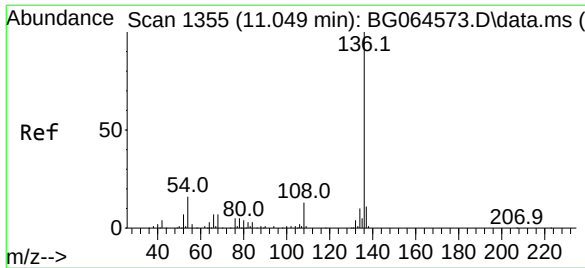
Tgt Ion:	70	Resp:	80697
Ion	Ratio	Lower	Upper
70	100		
42	79.2	65.2	97.8
101	8.7	7.9	11.9
130	18.1	14.3	21.5



#20
 3+4-Methylphenols
 Concen: 46.893 ng
 RT: 8.972 min Scan# 1001
 Delta R.T. -0.012 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15

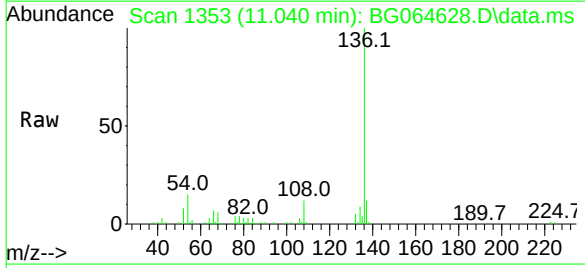
Tgt Ion:	107	Resp:	125897
Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.3	110.3
77	37.6	14.6	54.6
79	32.1	11.7	51.7



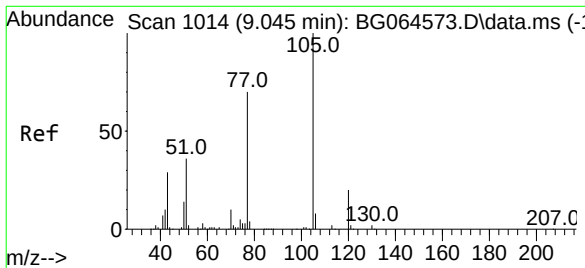
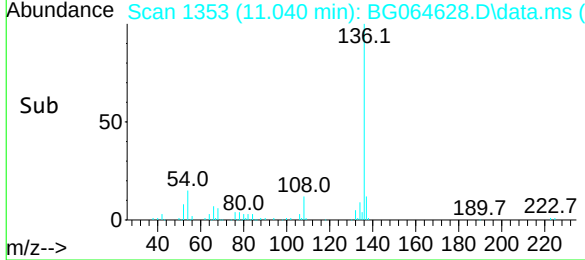
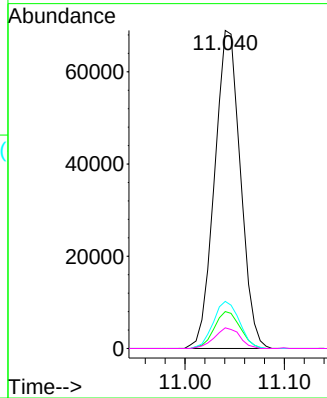


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

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

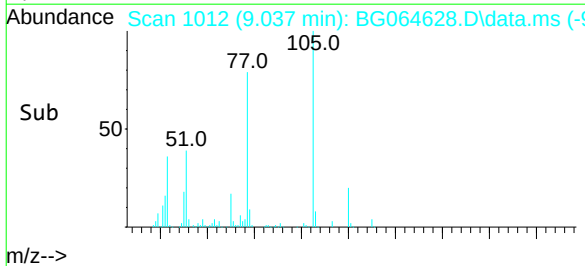
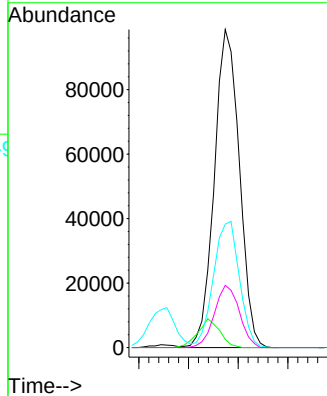
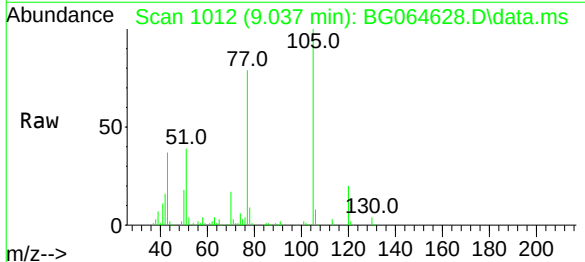


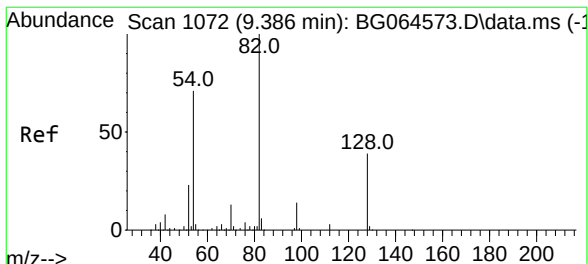
Tgt Ion:	136	Resp:	124534
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	14.8	12.6	19.0
68	6.5	5.7	8.5



#22
Acetophenone
Concen: 50.758 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	105	Resp:	172795
Ion Ratio	Lower	Upper	
105	100		
71	2.6	1.5	2.3#
51	38.8	33.7	50.5
120	19.6	16.1	24.1

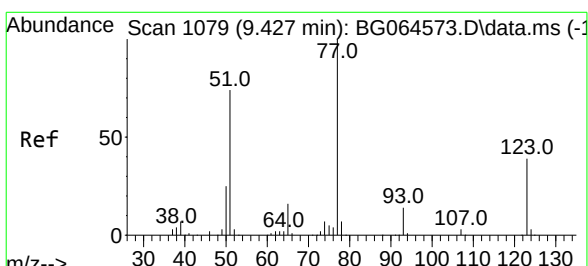
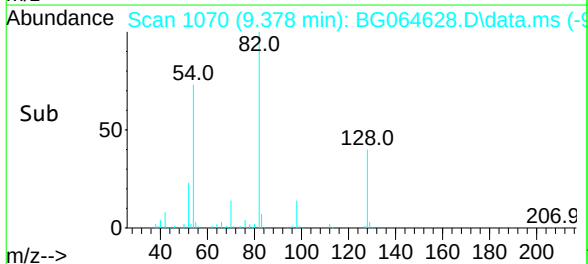
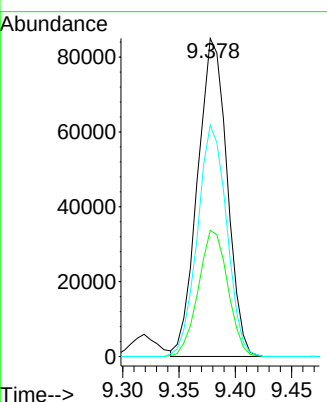
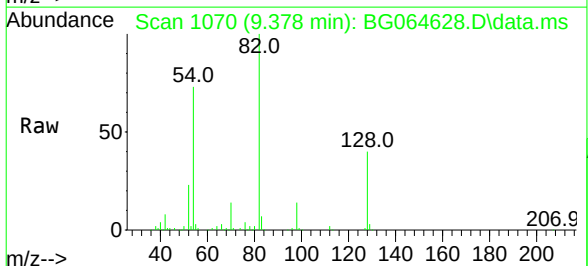




#23
 Nitrobenzene-d5
 Concen: 74.861 ng
 RT: 9.378 min Scan# 1070
 Delta R.T. -0.012 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15

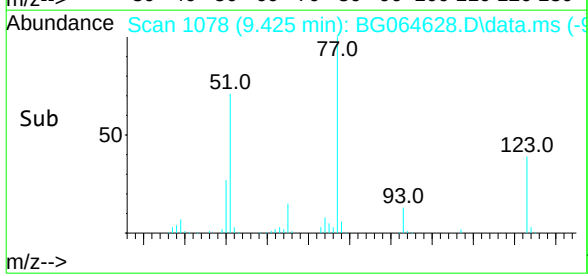
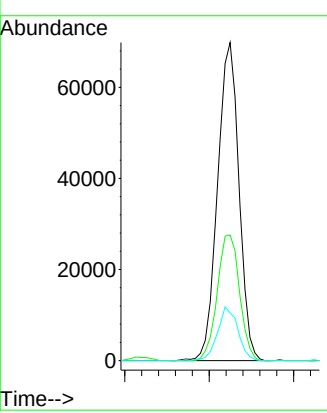
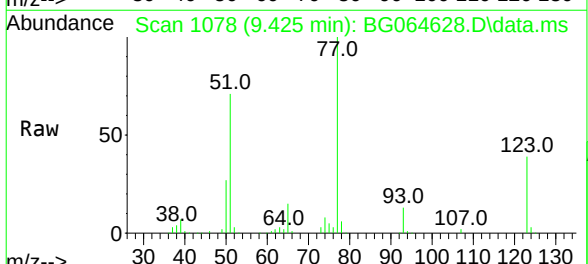
Instrument : BNA_G
 ClientSampleId : PR-132-S16-015094-20251021MSD

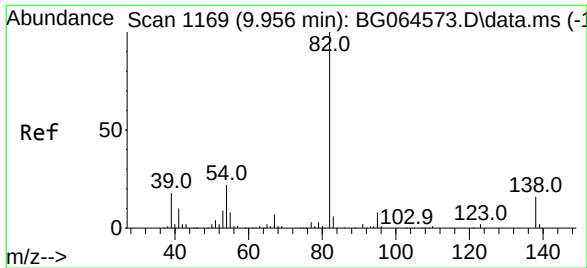
Tgt Ion: 82	Resp: 155218
Ion Ratio	Lower Upper
82	100
128	39.7 31.3 46.9
54	72.8 56.6 84.8



#24
 Nitrobenzene
 Concen: 54.514 ng
 RT: 9.425 min Scan# 1078
 Delta R.T. -0.006 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15

Tgt Ion: 77	Resp: 122938
Ion Ratio	Lower Upper
77	100
123	39.5 31.0 46.6
65	15.0 12.7 19.1





#25

Isophorone

Concen: 46.278 ng

RT: 9.954 min Scan# 11

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

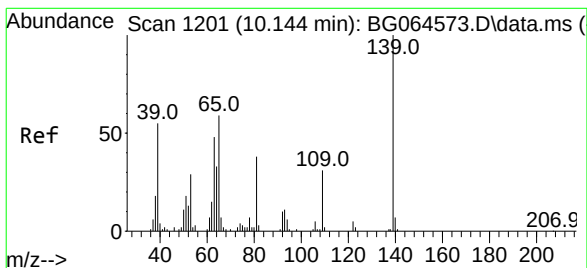
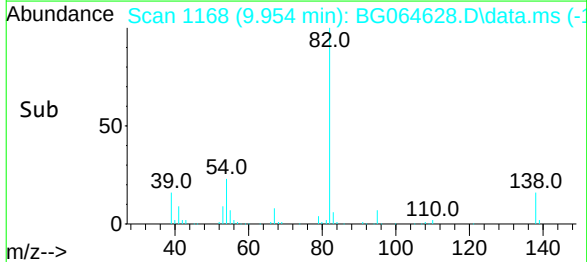
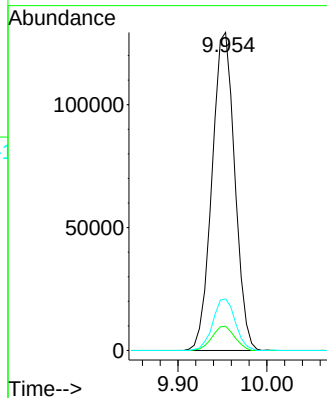
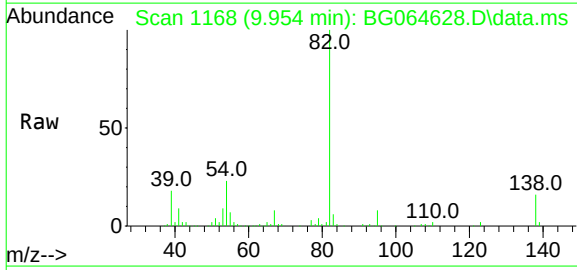
Tgt Ion: 82 Resp: 230244

Ion Ratio Lower Upper

82 100

95 7.6 6.1 9.1

138 16.2 13.0 19.4



#26

2-Nitrophenol

Concen: 62.001 ng

RT: 10.142 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

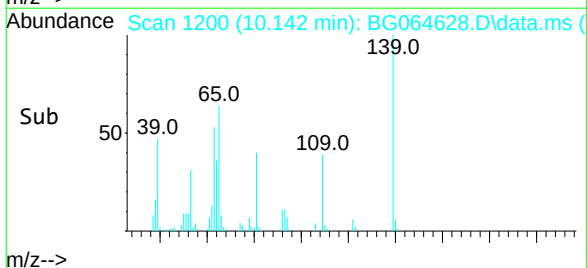
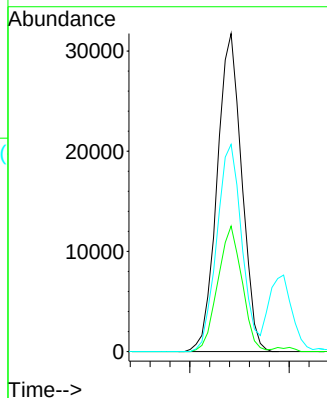
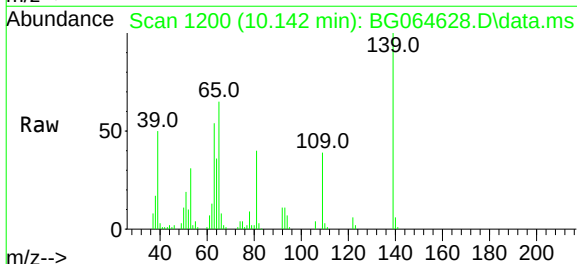
Tgt Ion: 139 Resp: 54798

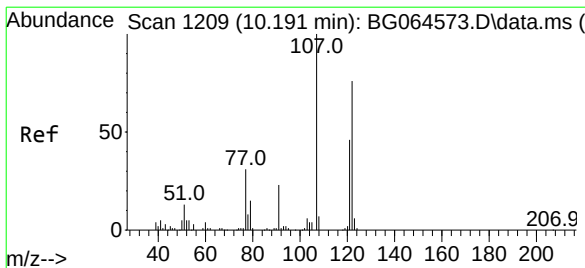
Ion Ratio Lower Upper

139 100

109 39.5 24.6 37.0#

65 65.2 47.5 71.3

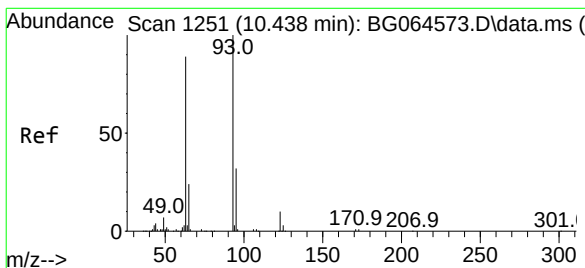
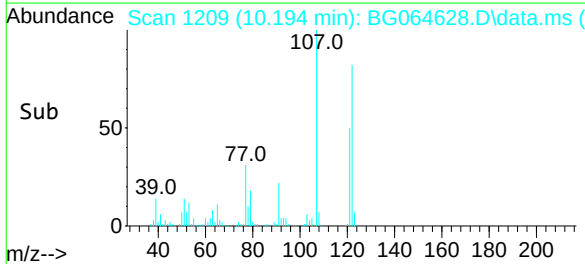
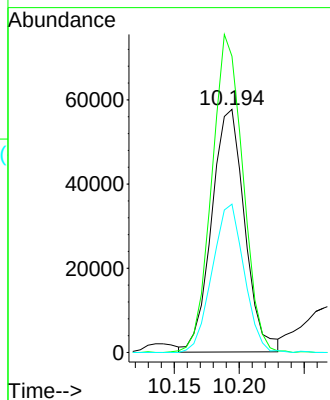
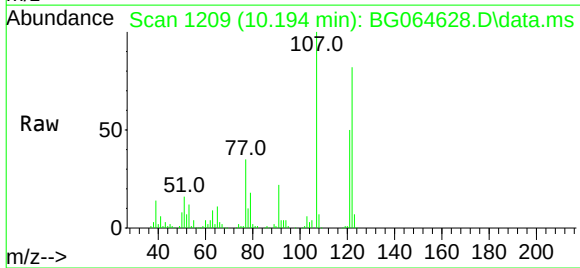




#27
2,4-Dimethylphenol
Concen: 54.121 ng
RT: 10.194 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

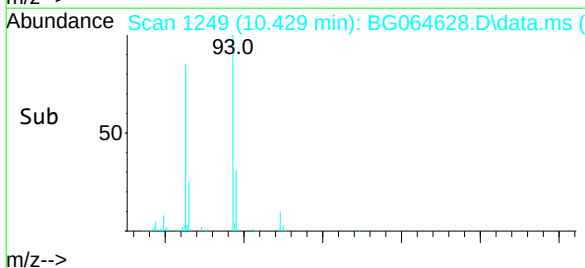
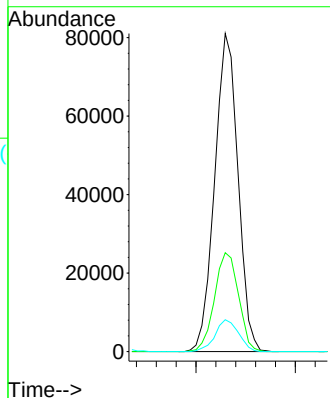
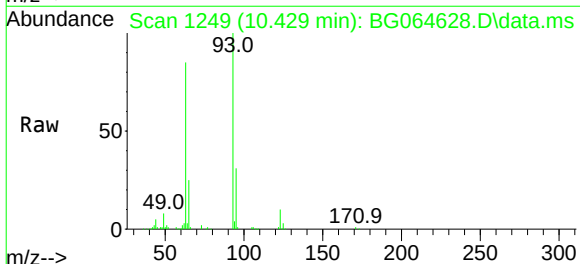
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD

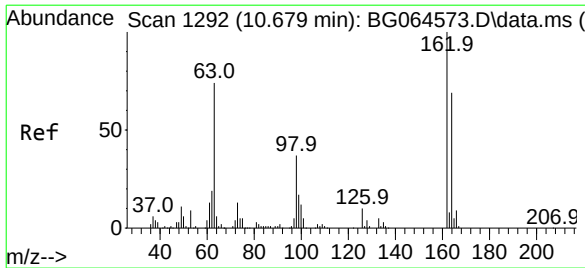
Tgt Ion:122 Resp: 102164
Ion Ratio Lower Upper
122 100
107 121.8 103.0 154.4
121 61.0 47.8 71.8



#28
bis(2-Chloroethoxy)methane
Concen: 46.587 ng
RT: 10.429 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 131967
Ion Ratio Lower Upper
93 100
95 31.1 25.4 38.2
123 10.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.143 ng

RT: 10.676 min Scan# 12

Delta R.T. -0.006 min

Lab File: BG064628.D

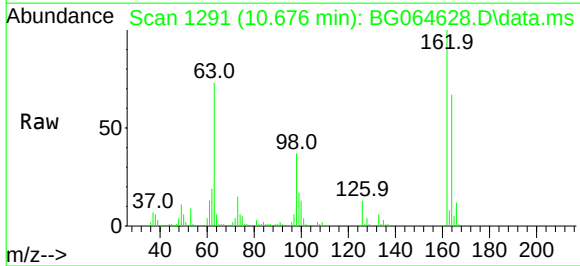
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



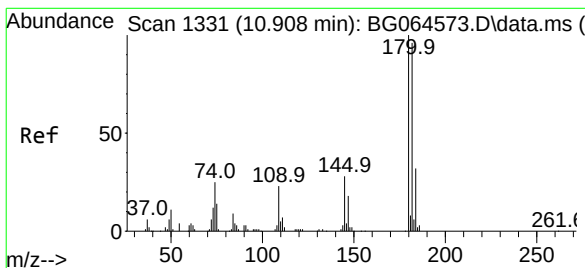
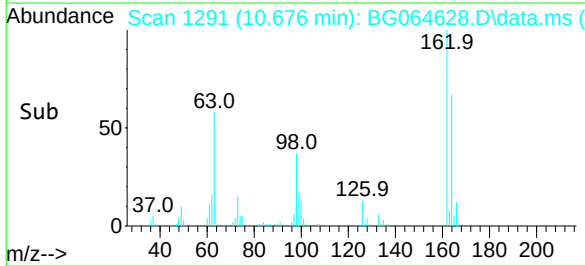
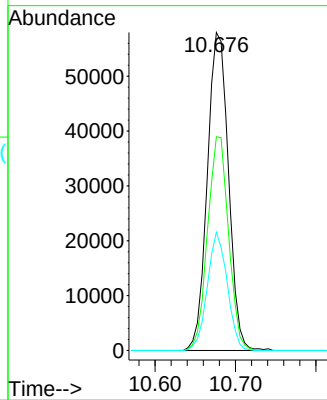
Tgt Ion:162 Resp: 105842

Ion Ratio Lower Upper

162 100

164 67.2 48.7 88.7

98 37.2 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 52.868 ng

RT: 10.899 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

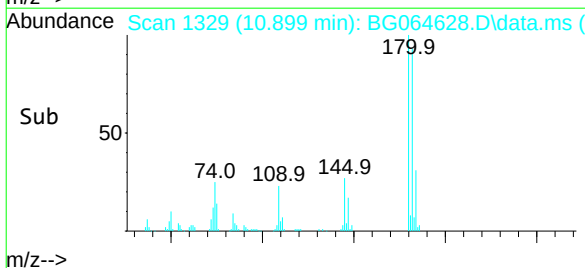
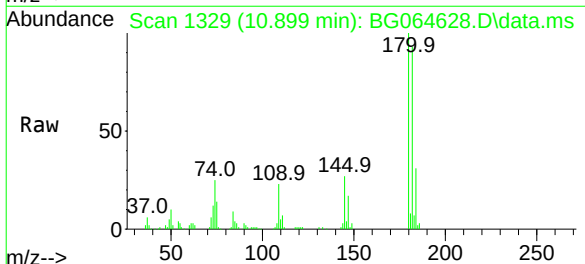
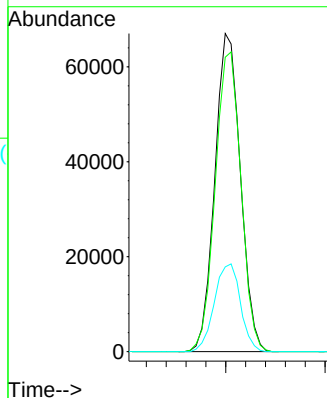
Tgt Ion:180 Resp: 119635

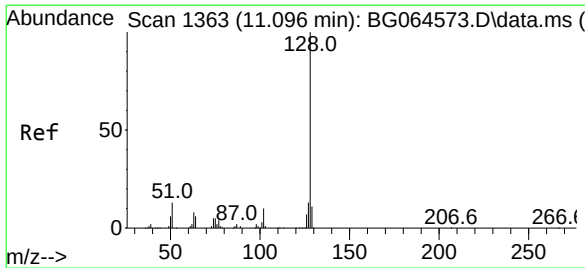
Ion Ratio Lower Upper

180 100

182 92.6 76.9 115.3

145 26.6 22.1 33.1

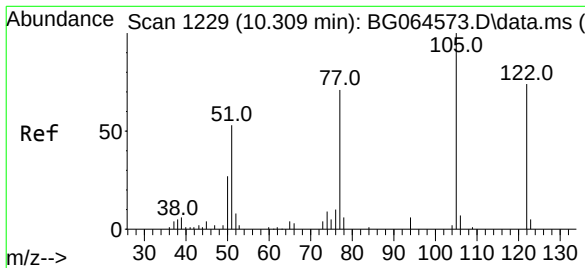
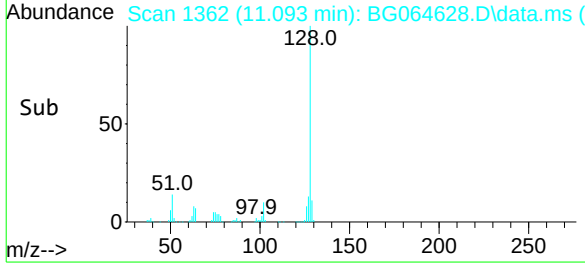
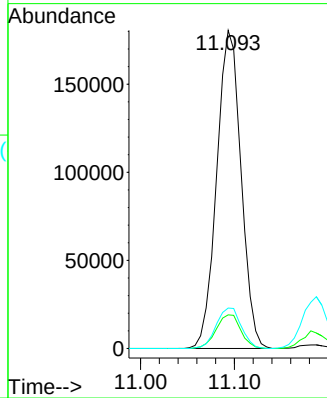
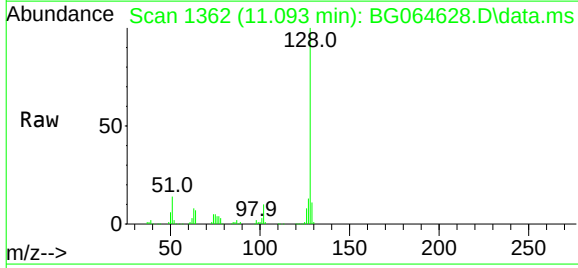




#31
Naphthalene
Concen: 47.081 ng
RT: 11.093 min Scan# 13
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

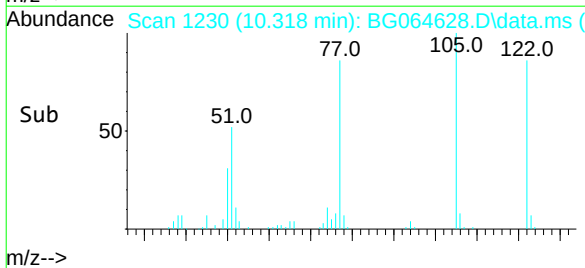
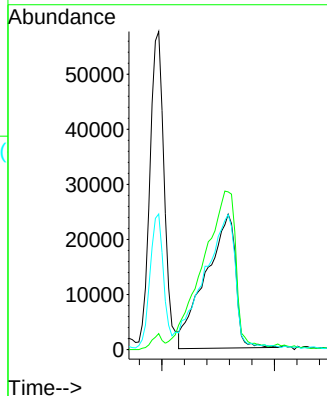
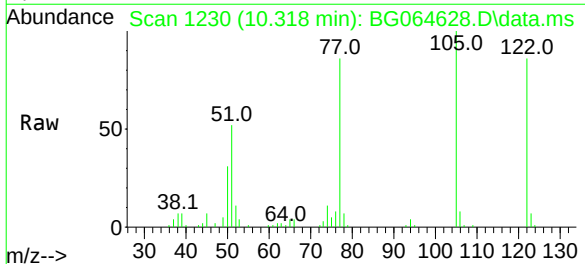
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

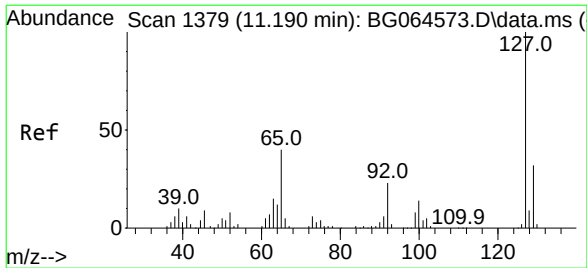
Tgt Ion:128 Resp: 325077
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.7 10.6 15.8



#32
Benzoic acid
Concen: 63.358 ng
RT: 10.318 min Scan# 1230
Delta R.T. -0.024 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:122 Resp: 89736
Ion Ratio Lower Upper
122 100
105 116.5 104.2 144.2
77 99.7 70.2 110.2





#33

4-Chloroaniline

Concen: 20.286 ng

RT: 11.187 min Scan# 13

Delta R.T. -0.000 min

Lab File: BG064628.D

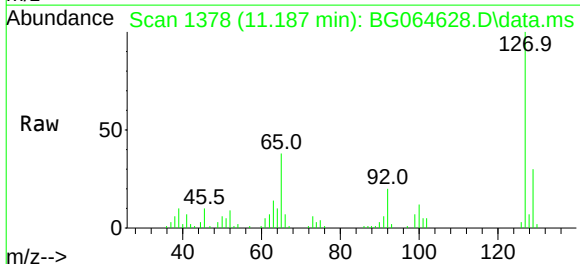
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:127 Resp: 54442

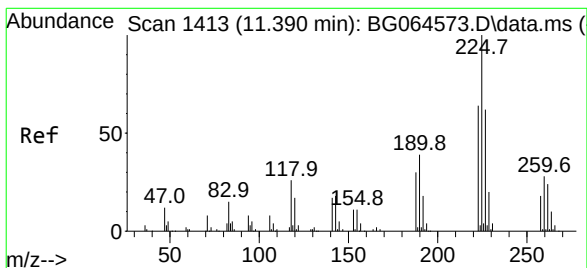
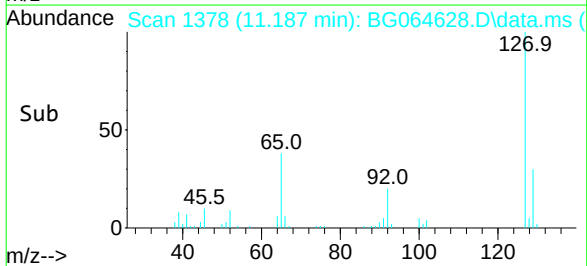
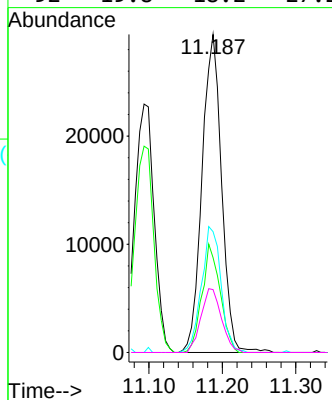
Ion Ratio Lower Upper

127 100

129 29.8 25.5 38.3

65 38.0 32.2 48.4

92 19.8 18.2 27.2



#34

Hexachlorobutadiene

Concen: 50.775 ng

RT: 11.387 min Scan# 1412

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

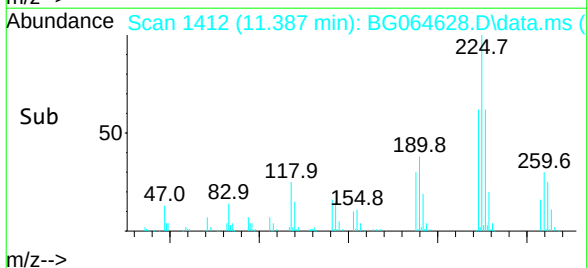
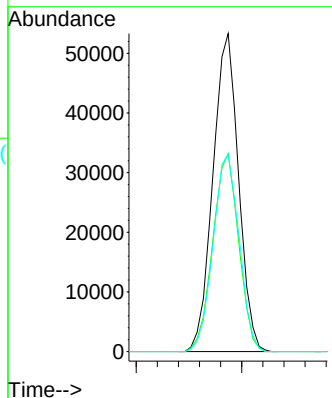
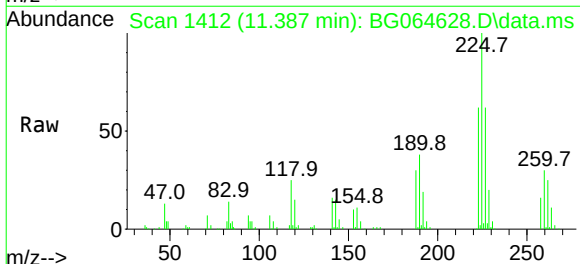
Tgt Ion:225 Resp: 89857

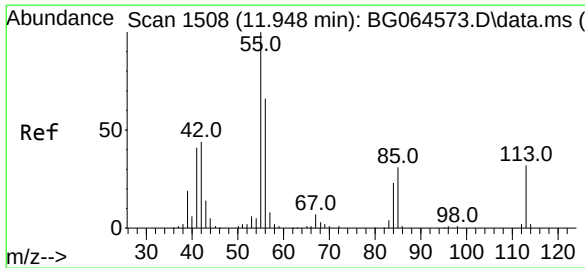
Ion Ratio Lower Upper

225 100

223 60.3 48.8 73.2

227 60.1 49.5 74.3





#35

Caprolactam

Concen: 23.615 ng

RT: 11.945 min Scan# 1507

Delta R.T. -0.030 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

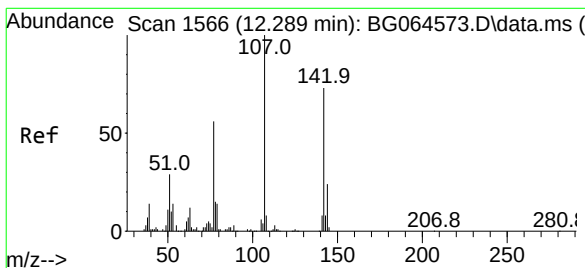
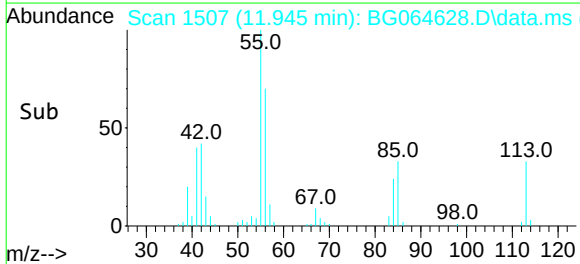
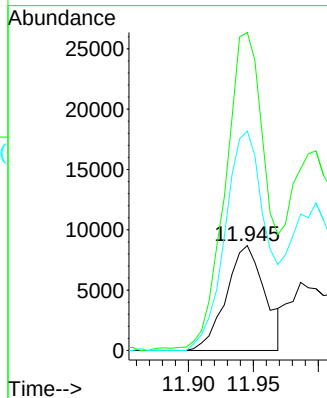
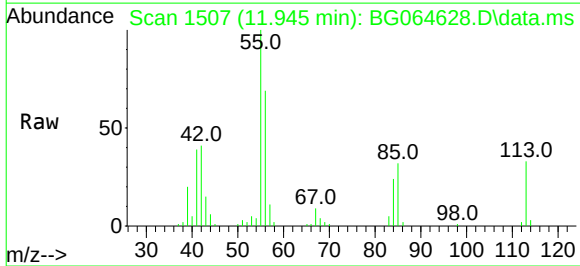
Tgt Ion:113 Resp: 18039

Ion Ratio Lower Upper

113 100

55 303.2 290.1 330.1

56 209.1 183.8 223.8



#36

4-Chloro-3-methylphenol

Concen: 51.210 ng

RT: 12.292 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

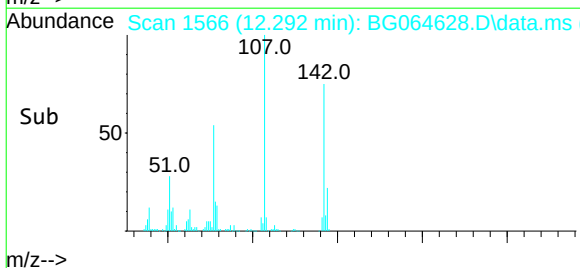
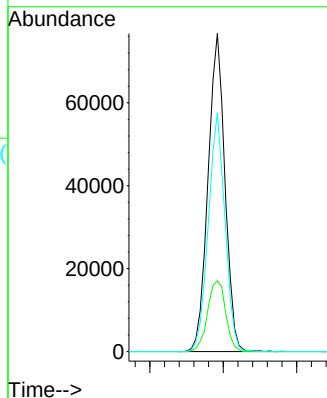
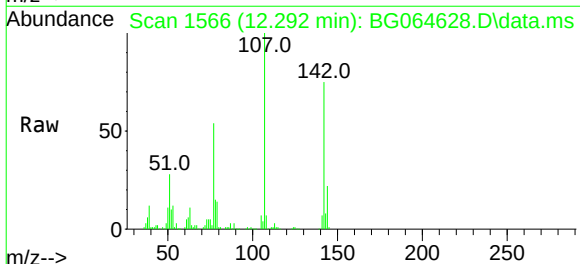
Tgt Ion:107 Resp: 122597

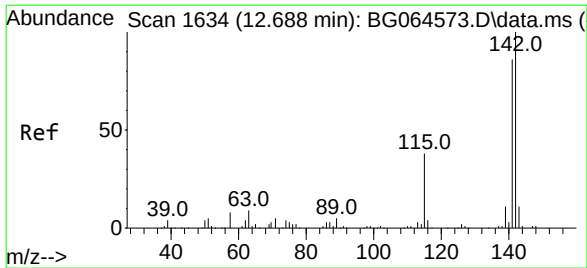
Ion Ratio Lower Upper

107 100

144 22.3 19.1 28.7

142 75.1 58.6 87.8

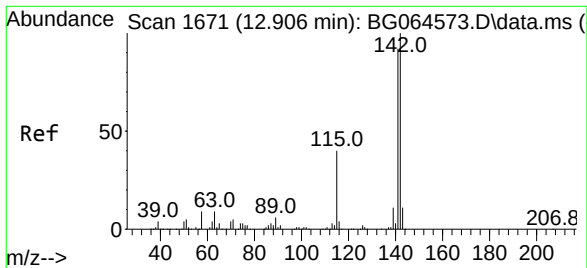
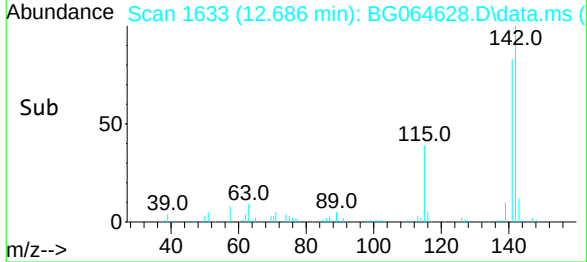
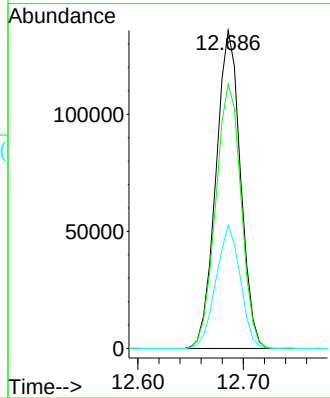
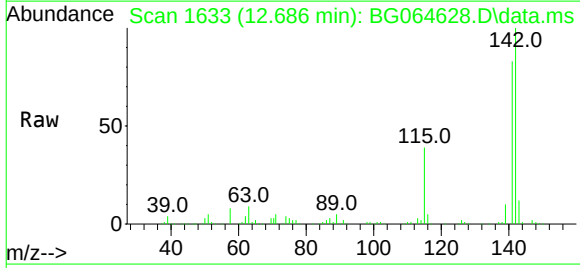




#37
2-Methylnaphthalene
Concen: 43.321 ng
RT: 12.686 min Scan# 16
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

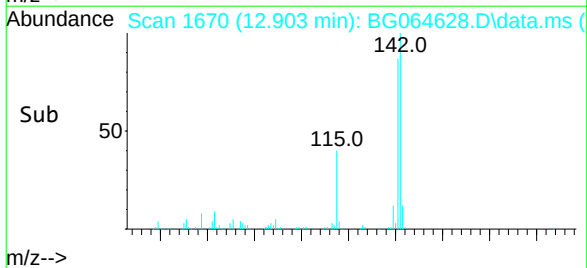
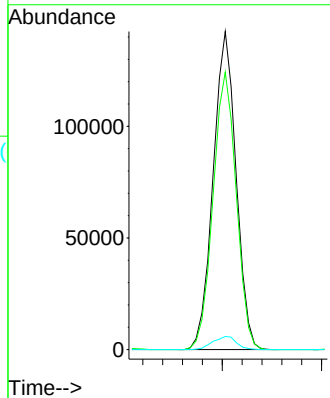
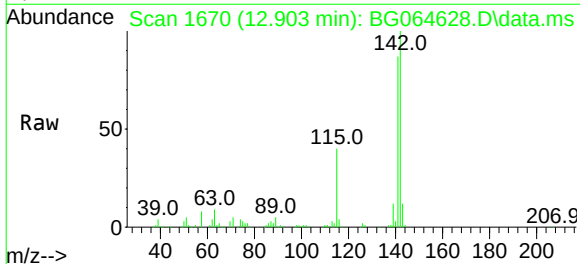
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

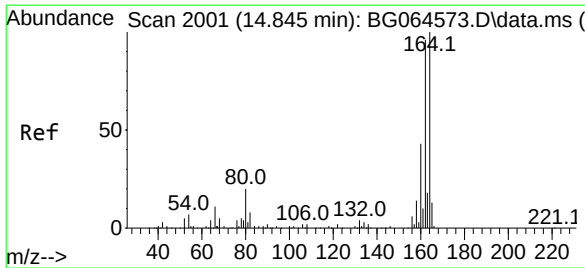
Tgt Ion:142 Resp: 219604
Ion Ratio Lower Upper
142 100
141 83.2 68.9 103.3
115 38.8 30.6 46.0



#38
1-Methylnaphthalene
Concen: 45.818 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:142 Resp: 228542
Ion Ratio Lower Upper
142 100
141 87.2 73.3 109.9
116 4.1 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.842 min Scan# 2001

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

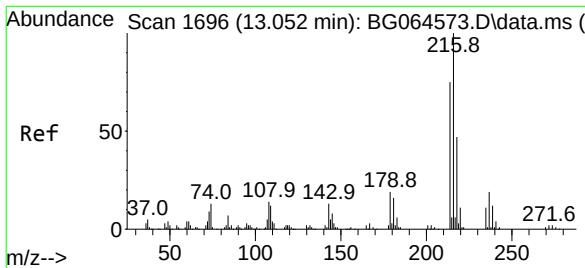
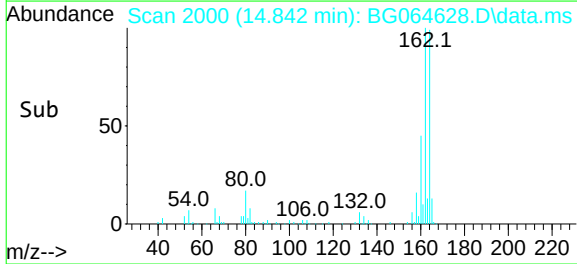
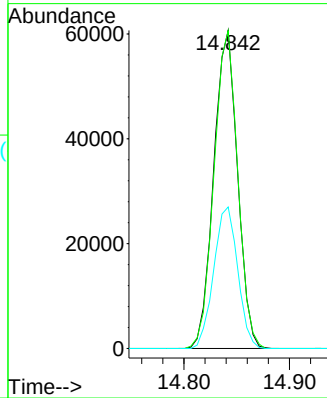
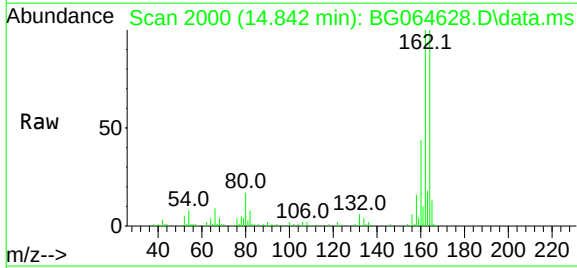
Tgt Ion:164 Resp: 94989

Ion Ratio Lower Upper

164 100

162 99.9 77.0 115.6

160 44.5 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.934 ng

RT: 13.050 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:216 Resp: 178313

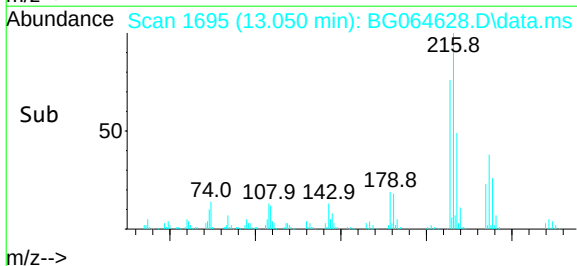
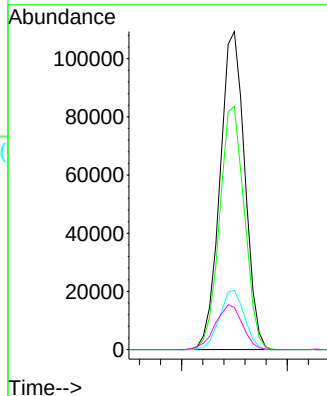
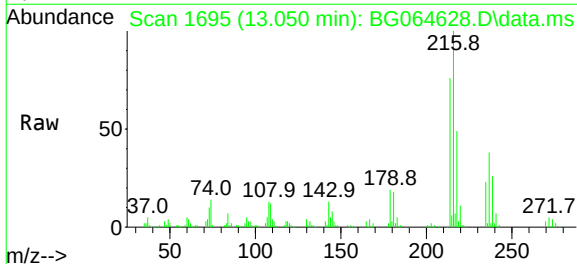
Ion Ratio Lower Upper

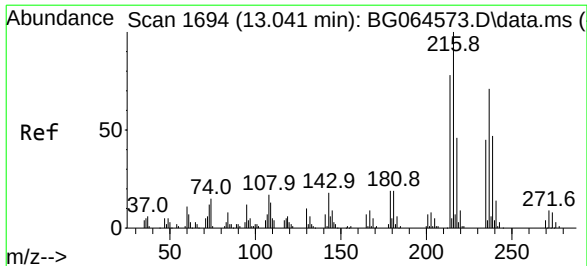
216 100

214 76.5 61.4 92.2

179 18.7 15.4 23.0

108 15.4 11.8 17.6

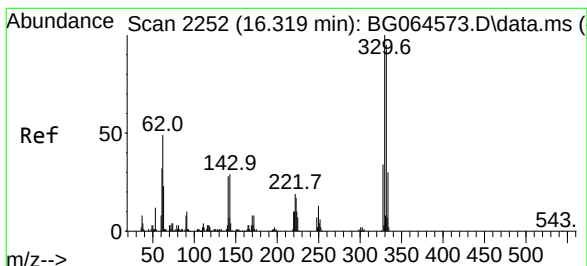
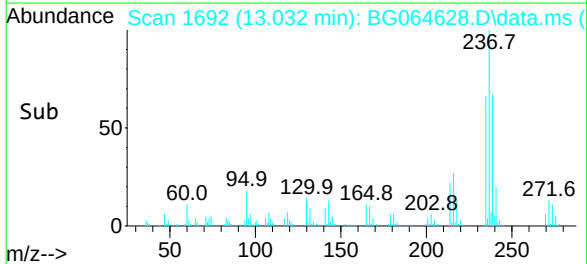
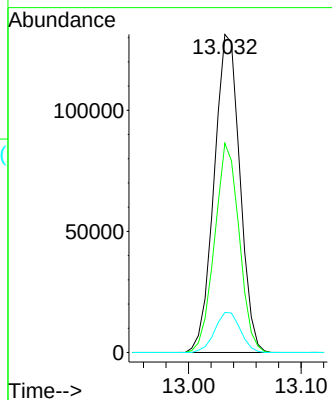
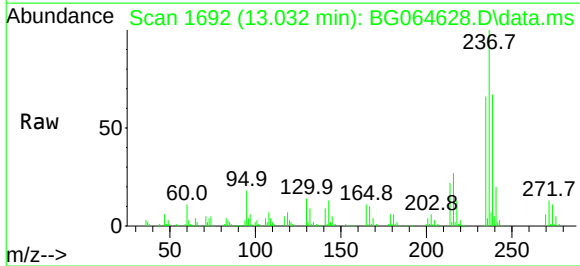




#41
Hexachlorocyclopentadiene
Concen: 145.386 ng
RT: 13.032 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

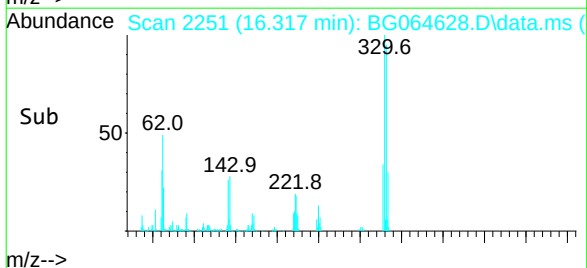
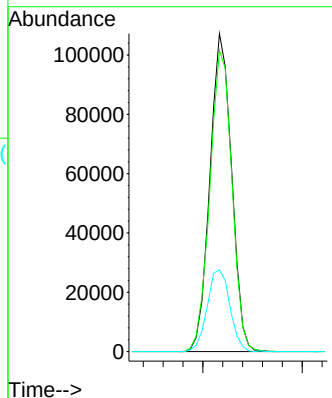
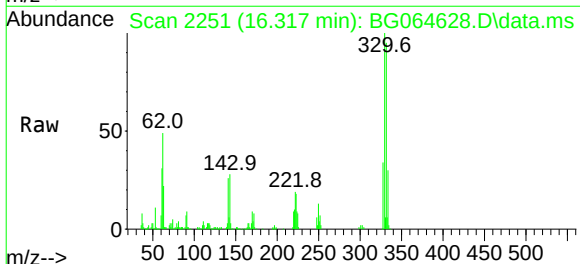
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD

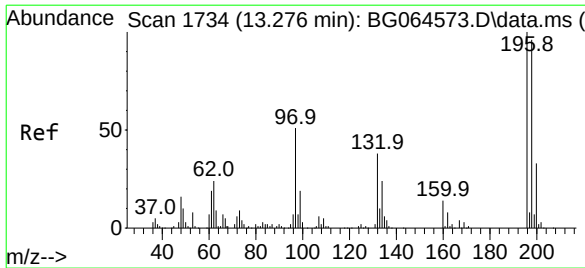
Tgt Ion:	237	Resp:	208614
Ion Ratio	Lower	Upper	
237	100		
235	65.8	44.1	84.1
272	12.6	0.0	32.4



#42
2,4,6-Tribromophenol
Concen: 118.302 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	330	Resp:	162190
Ion Ratio	Lower	Upper	
330	100		
332	96.7	78.0	117.0
141	27.0	21.8	32.6





#43

2,4,6-Trichlorophenol

Concen: 56.833 ng

RT: 13.279 min Scan# 17

Delta R.T. -0.000 min

Lab File: BG064628.D

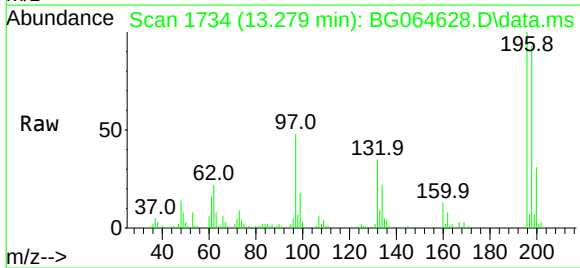
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



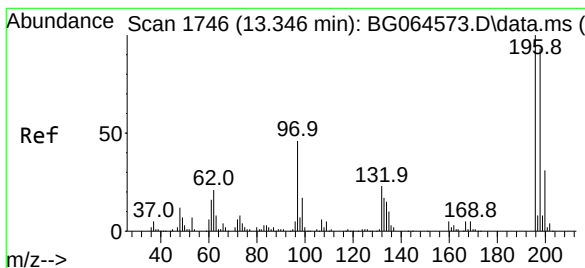
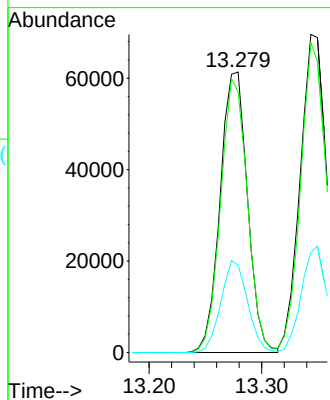
Tgt Ion:196 Resp: 103636

Ion Ratio Lower Upper

196 100

198 92.9 76.6 115.0

200 31.2 26.0 39.0



#44

2,4,5-Trichlorophenol

Concen: 54.963 ng

RT: 13.344 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:196 Resp: 115660

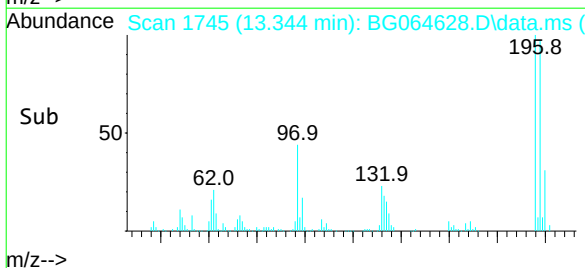
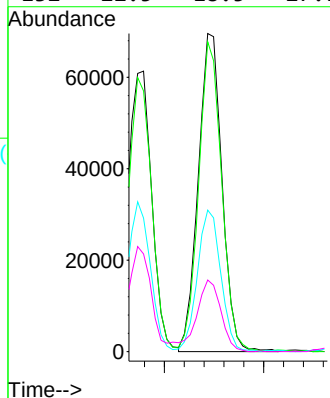
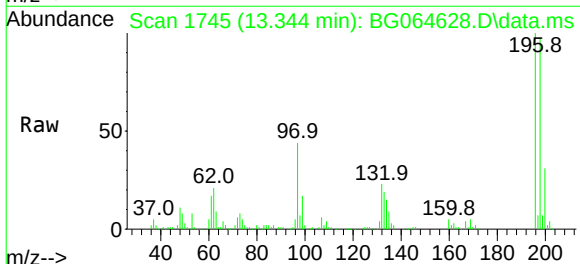
Ion Ratio Lower Upper

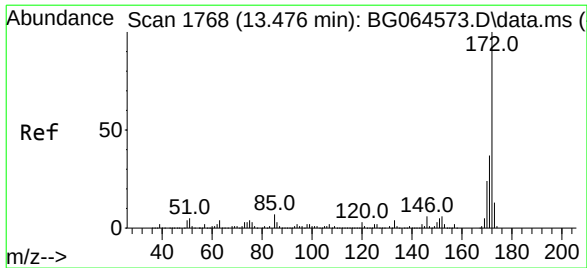
196 100

198 97.4 74.2 111.4

97 44.5 37.0 55.6

132 22.5 18.5 27.7





#45

2-Fluorobiphenyl

Concen: 58.437 ng

RT: 13.467 min Scan# 17

Delta R.T. -0.012 min

Lab File: BG064628.D

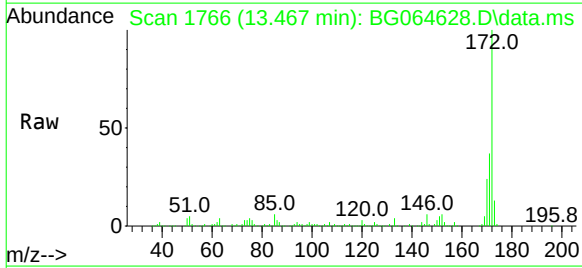
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



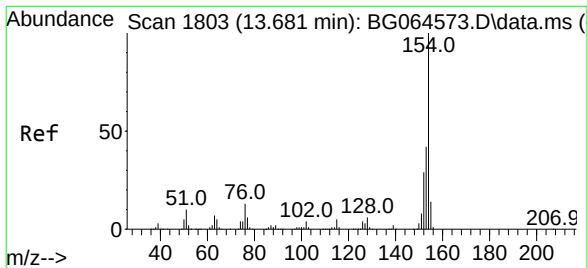
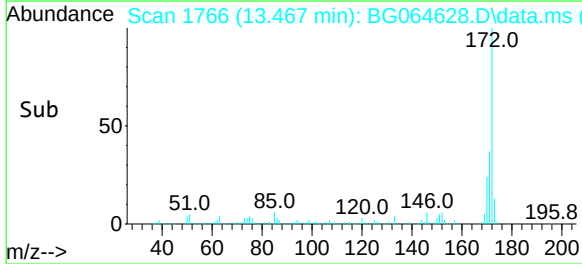
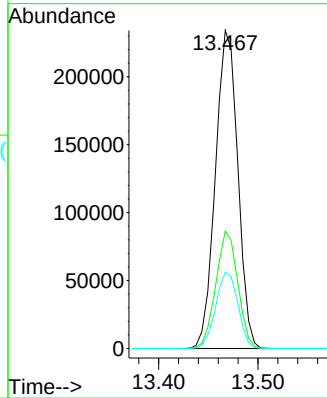
Tgt Ion:172 Resp: 366213

Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

170 24.0 19.1 28.7



#46

1,1'-Biphenyl

Concen: 54.107 ng

RT: 13.679 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

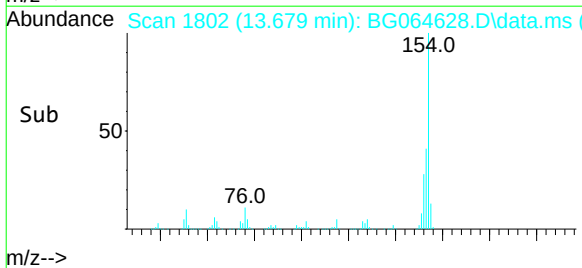
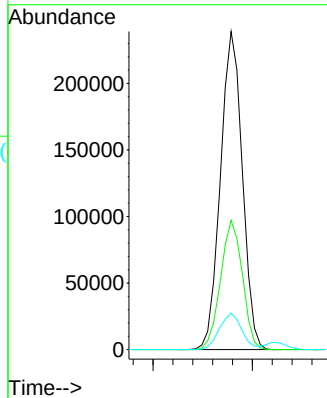
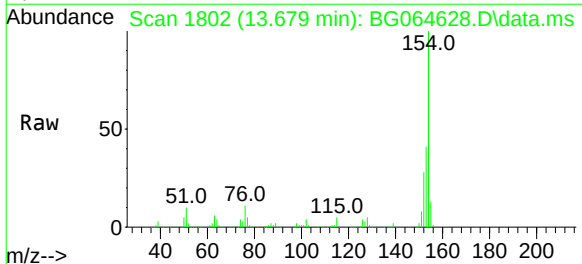
Tgt Ion:154 Resp: 365386

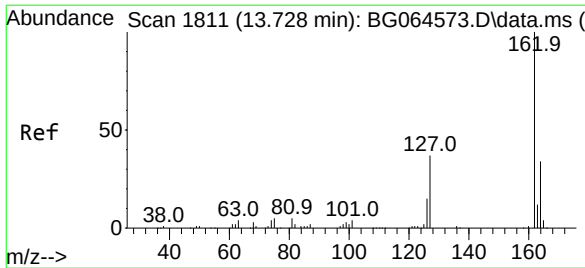
Ion Ratio Lower Upper

154 100

153 40.6 22.4 62.4

76 11.5 0.0 33.5





#47

2-Chloronaphthalene

Concen: 48.952 ng

RT: 13.726 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BG064628.D

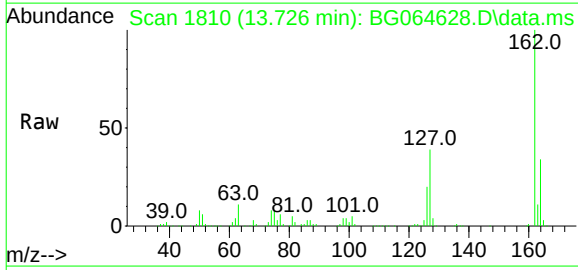
Acq: 29 Oct 2025 18:15

Instrument :

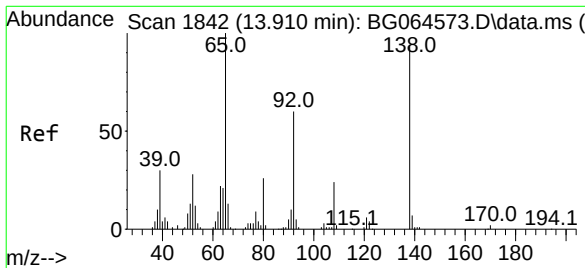
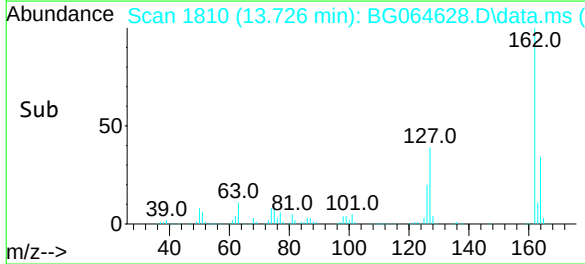
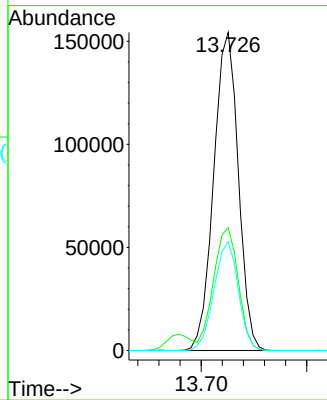
BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:	162	Resp:	249530
Ion	Ratio	Lower	Upper
162	100		
127	38.6	32.2	48.2
164	34.2	27.5	41.3



#48

2-Nitroaniline

Concen: 54.228 ng

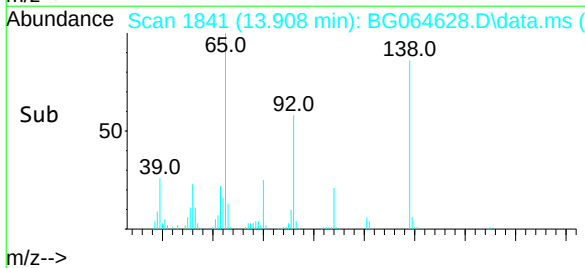
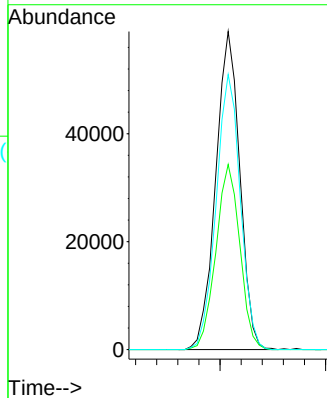
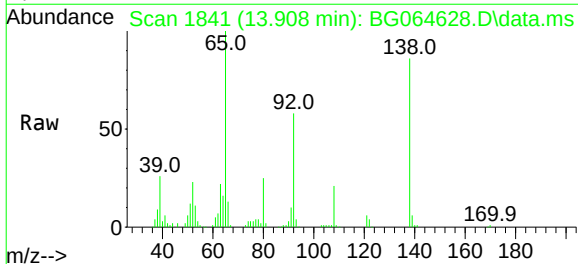
RT: 13.908 min Scan# 1841

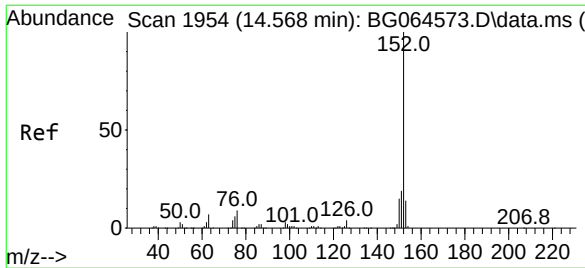
Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	65	Resp:	93564
Ion	Ratio	Lower	Upper
65	100		
92	58.2	48.3	72.5
138	86.5	74.9	112.3





#49

Acenaphthylene

Concen: 54.693 ng

RT: 14.566 min Scan# 19

Delta R.T. -0.000 min

Lab File: BG064628.D

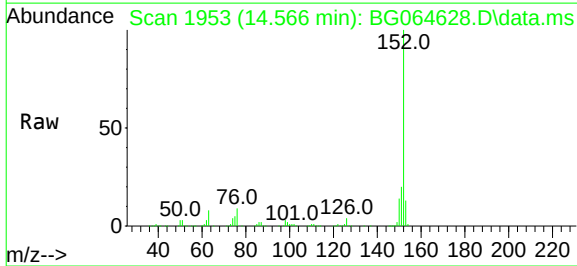
Acq: 29 Oct 2025 18:15

Instrument :

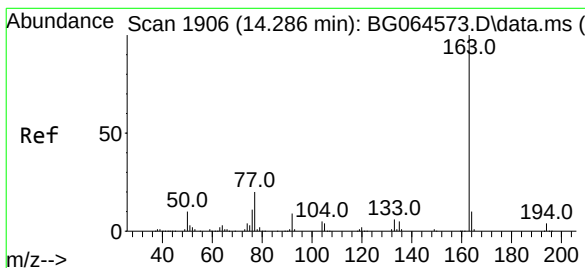
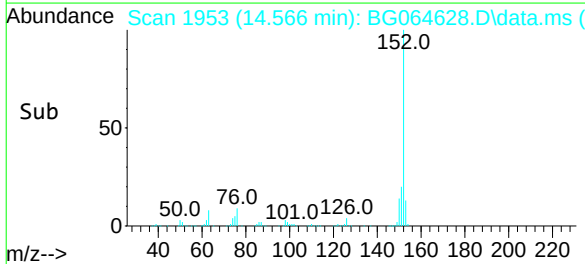
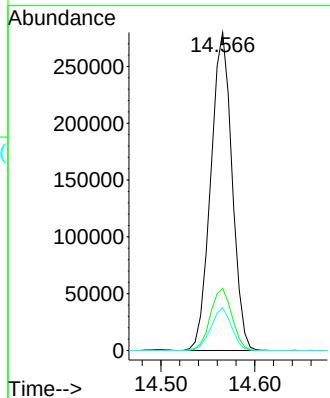
BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:	152	Resp:	439745
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



#50

Dimethylphthalate

Concen: 47.761 ng

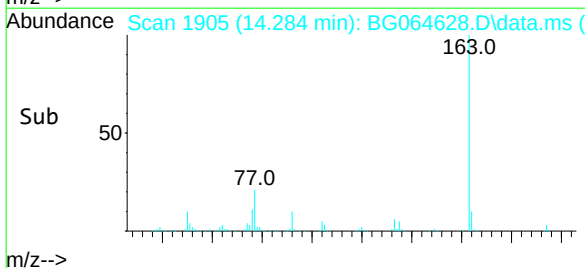
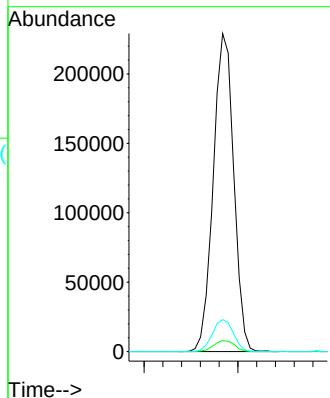
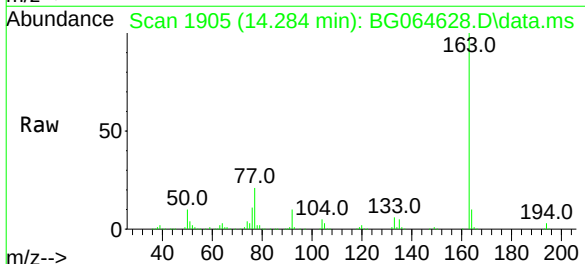
RT: 14.284 min Scan# 1905

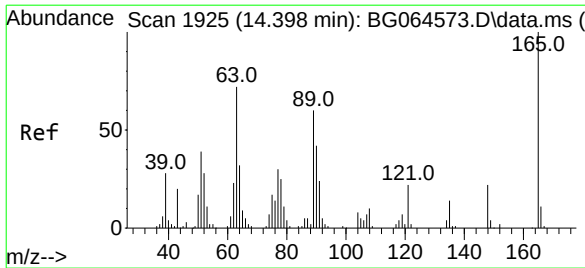
Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	163	Resp:	347153
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.1	7.7	11.5

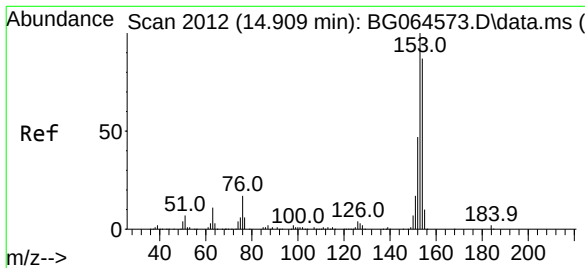
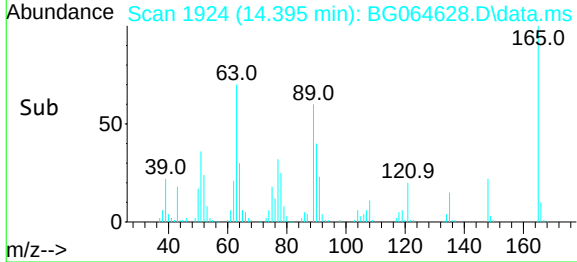
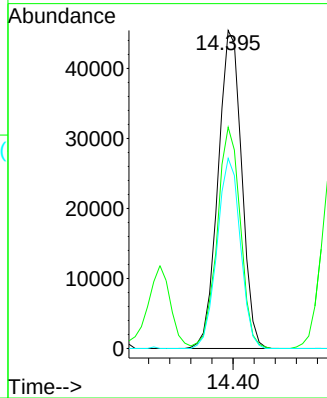
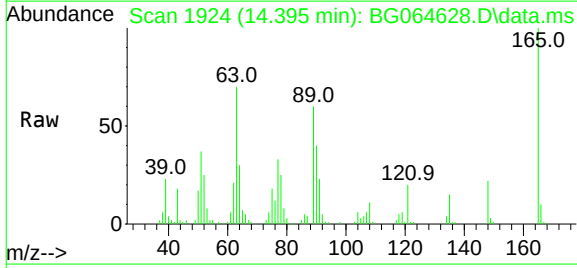




#51
2,6-Dinitrotoluene
Concen: 58.141 ng
RT: 14.395 min Scan# 19
Delta R.T. -0.007 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

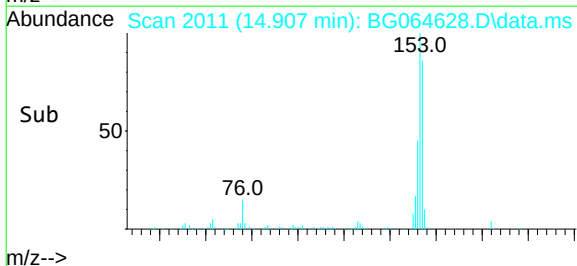
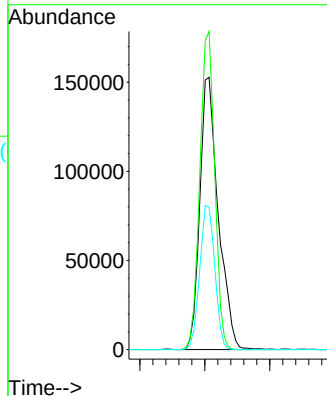
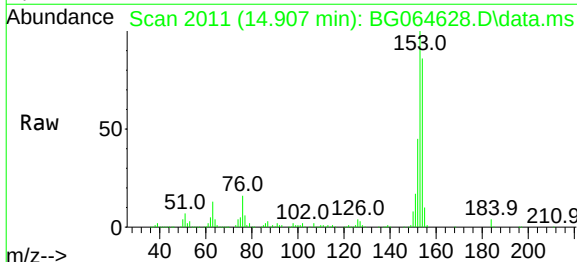
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

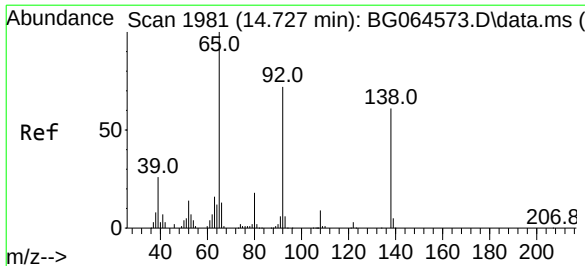
Tgt Ion:	165	Resp:	70596
Ion	Ratio	Lower	Upper
165	100		
63	69.6	57.4	86.0
89	59.8	47.8	71.8



#52
Acenaphthene
Concen: 54.976 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	154	Resp:	301997
Ion	Ratio	Lower	Upper
154	100		
153	116.8	92.2	138.4
152	52.4	43.2	64.8





#53

3-Nitroaniline

Concen: 38.655 ng

RT: 14.724 min Scan# 19

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

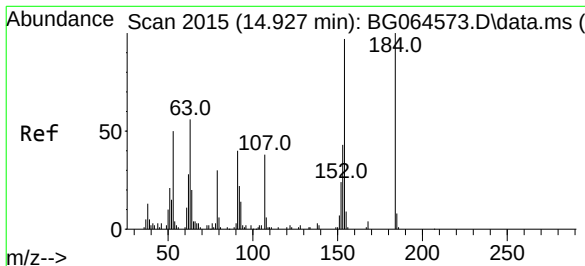
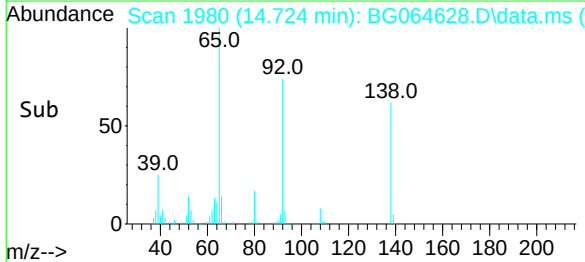
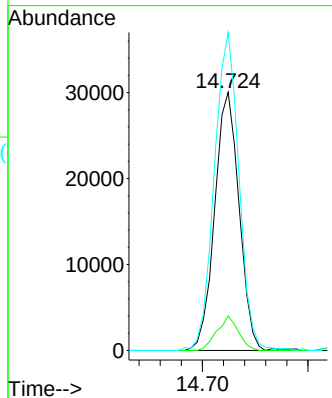
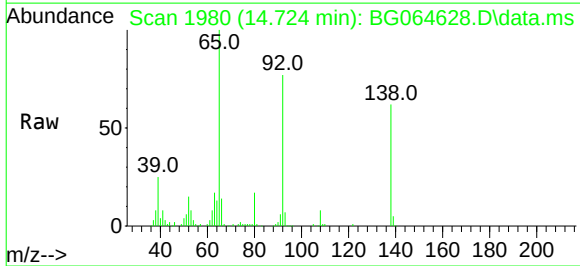
Tgt Ion:138 Resp: 48285

Ion Ratio Lower Upper

138 100

108 13.4 11.4 17.0

92 123.2 95.3 142.9



#54

2,4-Dinitrophenol

Concen: 127.399 ng

RT: 14.930 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

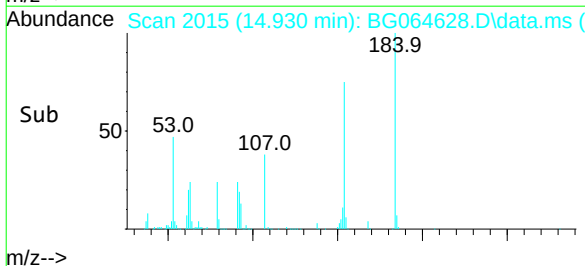
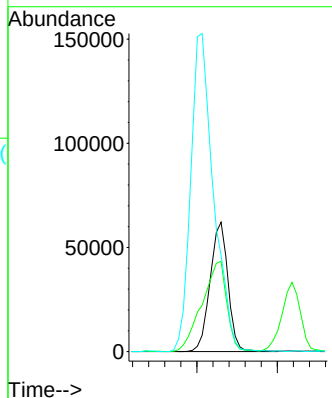
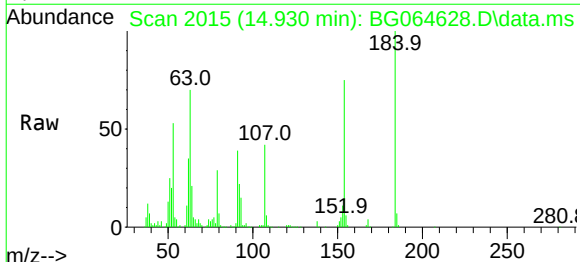
Tgt Ion:184 Resp: 96369

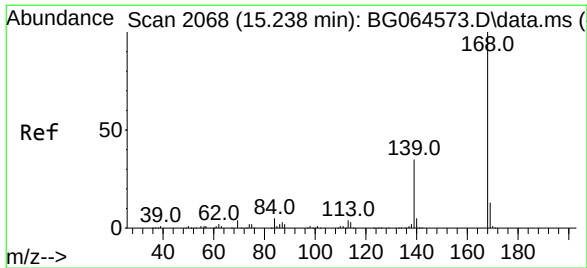
Ion Ratio Lower Upper

184 100

63 69.8 56.6 85.0

154 74.7 158.6 238.0#





#55

Dibenzofuran

Concen: 47.718 ng

RT: 15.236 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BG064628.D

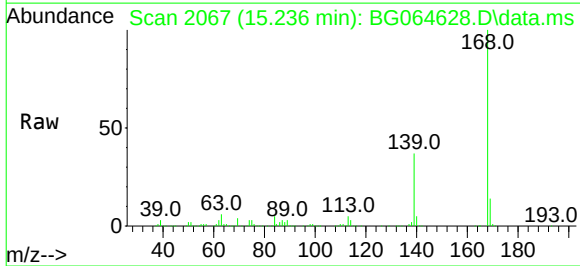
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



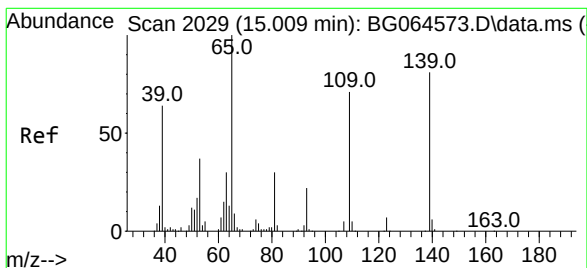
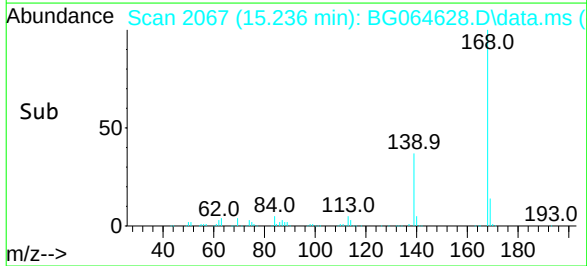
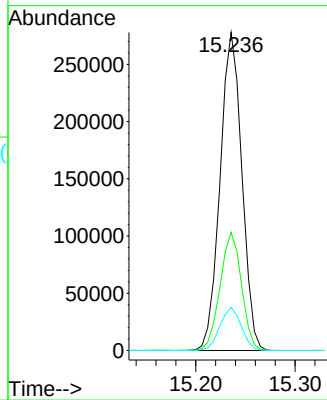
Tgt Ion:168 Resp: 423783

Ion Ratio Lower Upper

168 100

139 37.1 27.8 41.8

169 13.5 10.3 15.5



#56

4-Nitrophenol

Concen: 113.444 ng

RT: 15.018 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

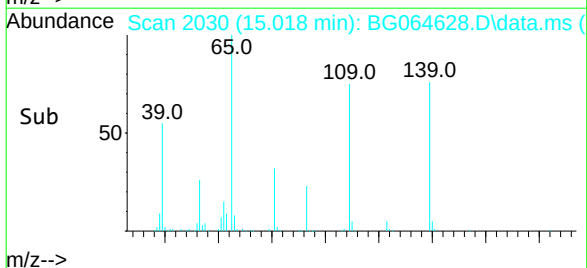
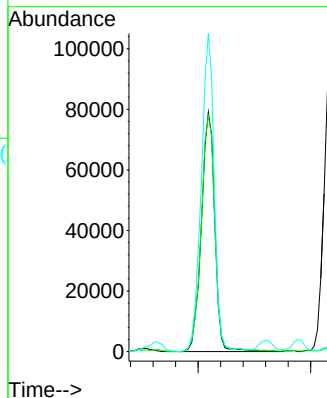
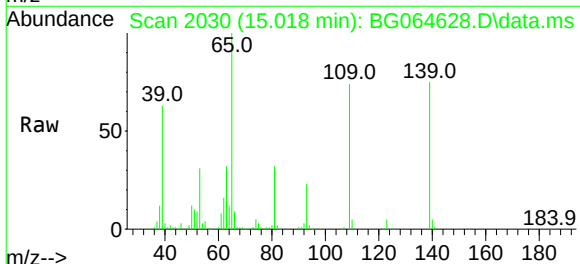
Tgt Ion:139 Resp: 131383

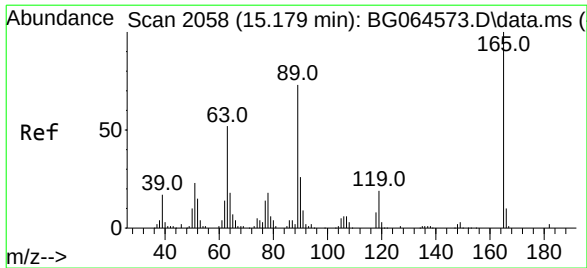
Ion Ratio Lower Upper

139 100

109 98.3 67.8 107.8

65 132.7 103.7 143.7





#57

2,4-Dinitrotoluene

Concen: 54.664 ng

RT: 15.183 min Scan# 2058

Delta R.T. -0.006 min

Lab File: BG064628.D

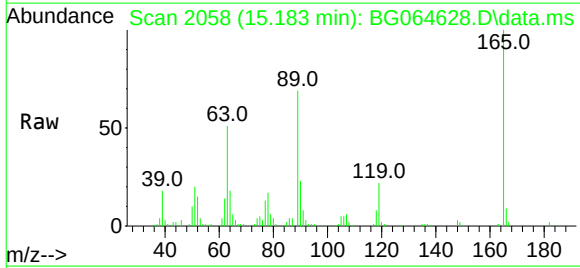
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:165 Resp: 102203

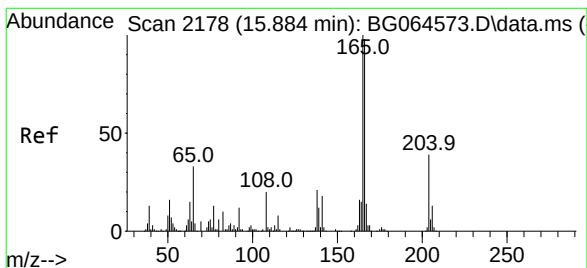
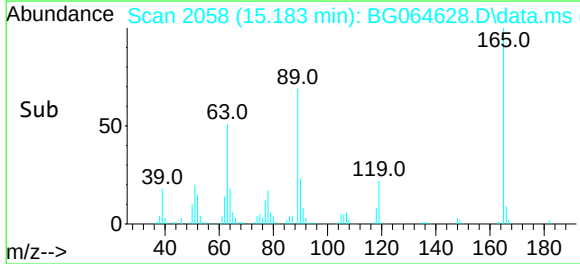
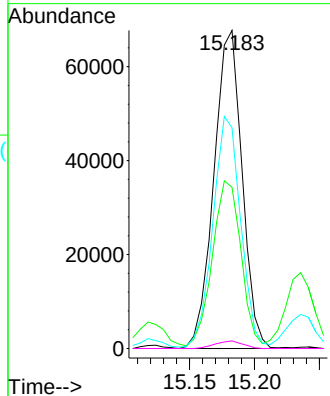
Ion Ratio Lower Upper

165 100

63 50.7 41.8 62.8

89 69.4 58.1 87.1

182 2.4 1.4 2.0#



#58

Fluorene

Concen: 48.236 ng

RT: 15.882 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

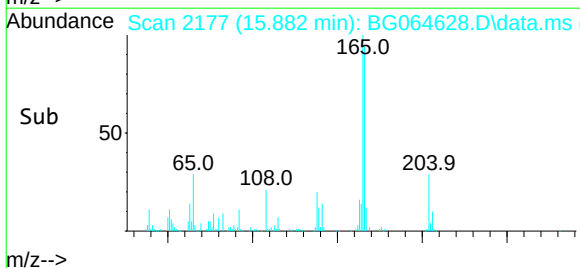
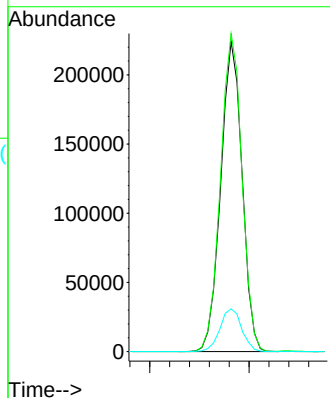
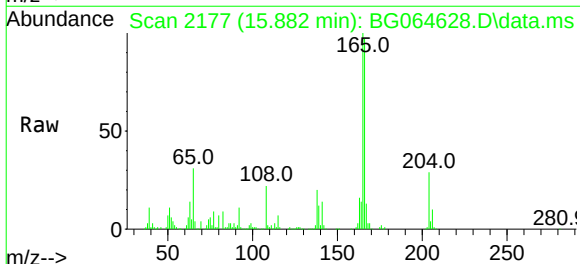
Tgt Ion:166 Resp: 334548

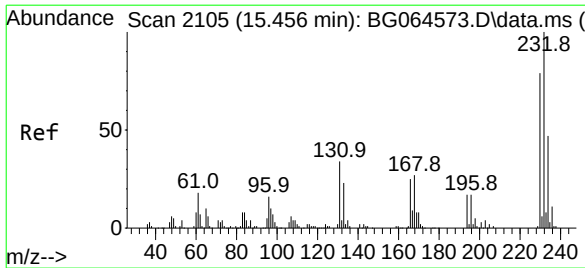
Ion Ratio Lower Upper

166 100

165 102.6 81.5 122.3

167 13.8 11.4 17.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 58.261 ng

RT: 15.453 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BG064628.D

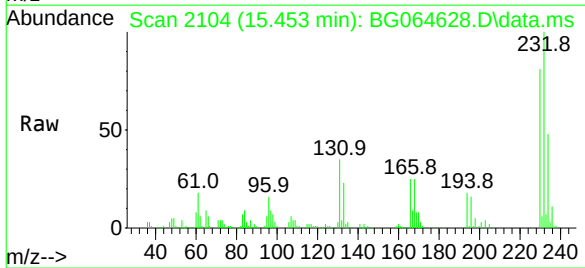
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:232 Resp: 117236

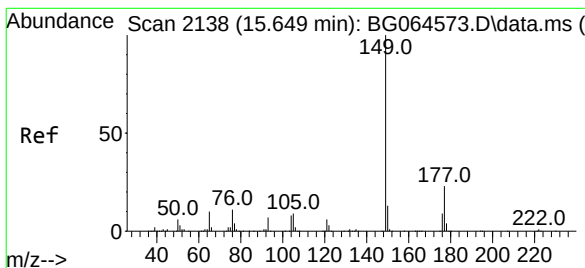
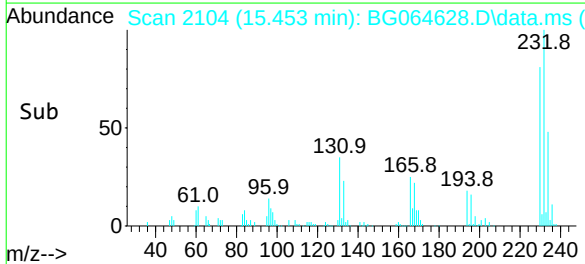
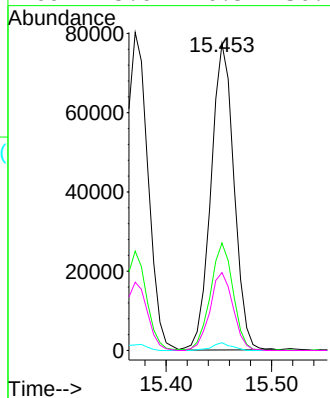
Ion Ratio Lower Upper

232 100

131 34.6 26.7 40.1

130 2.1 1.6 2.4

166 25.6 20.5 30.7



#60

Diethylphthalate

Concen: 47.184 ng

RT: 15.641 min Scan# 2136

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

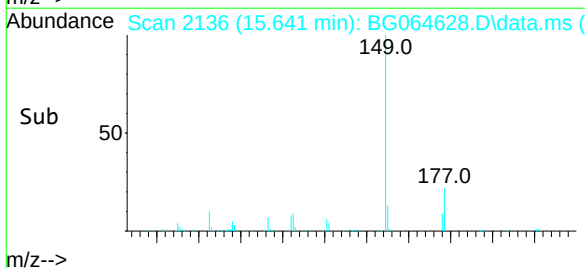
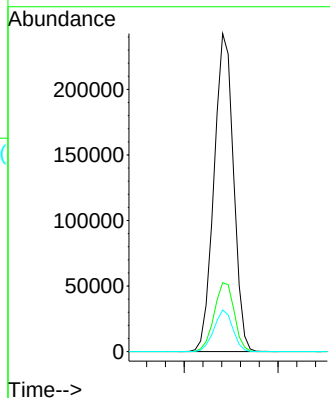
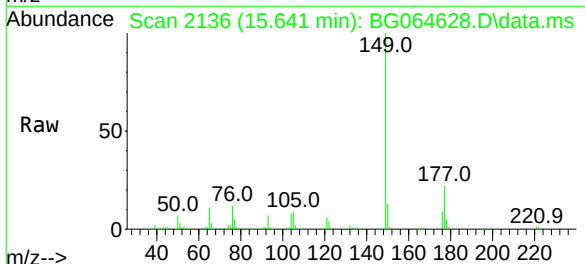
Tgt Ion:149 Resp: 350180

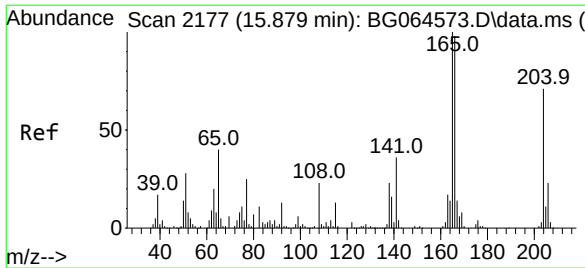
Ion Ratio Lower Upper

149 100

177 21.7 18.0 27.0

150 13.1 10.2 15.4

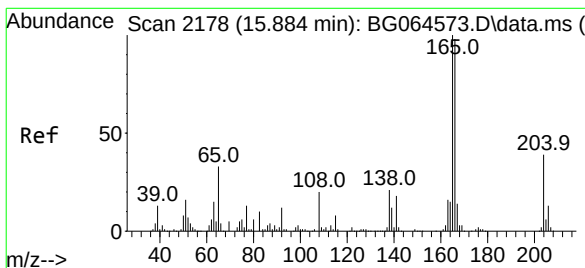
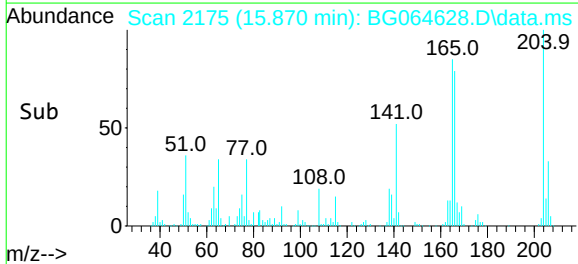
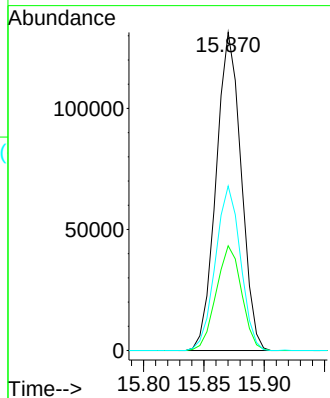
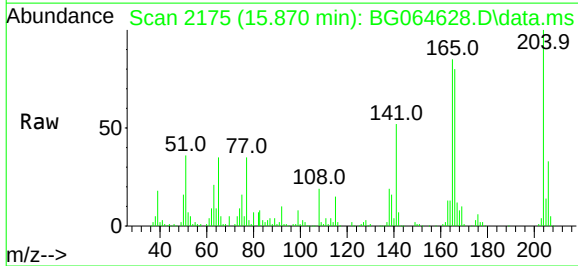




#61
4-Chlorophenyl-phenylether
Concen: 48.686 ng
RT: 15.870 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

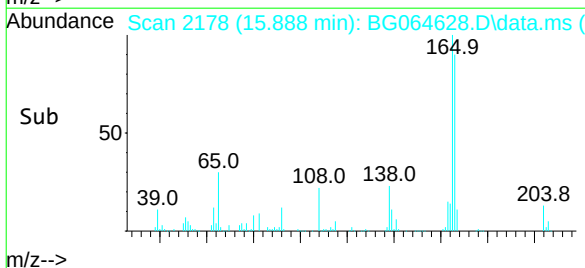
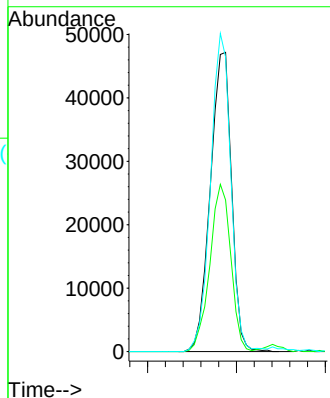
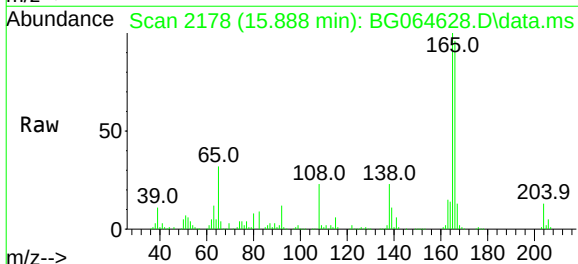
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

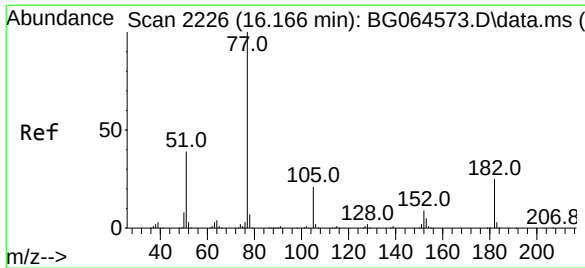
Tgt Ion:204 Resp: 189500
Ion Ratio Lower Upper
204 100
206 32.9 25.6 38.4
141 51.7 40.6 60.8



#62
4-Nitroaniline
Concen: 56.473 ng
RT: 15.888 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:138 Resp: 78479
Ion Ratio Lower Upper
138 100
92 50.6 36.1 76.1
108 98.4 75.6 115.6





#63

Azobenzene

Concen: 51.319 ng

RT: 16.164 min Scan# 22

Delta R.T. -0.006 min

Lab File: BG064628.D

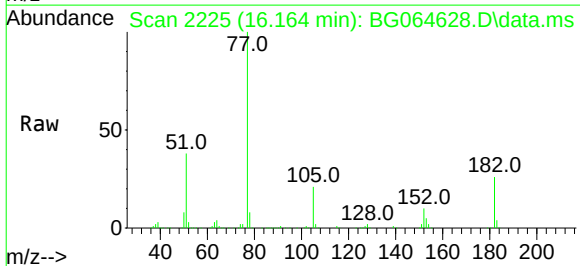
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion: 77 Resp: 349461

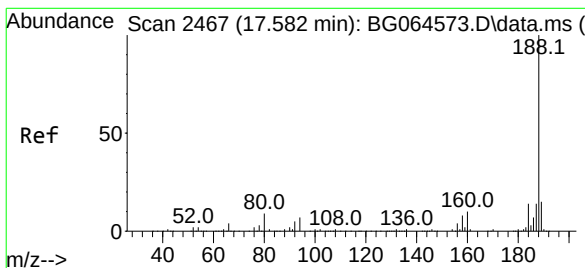
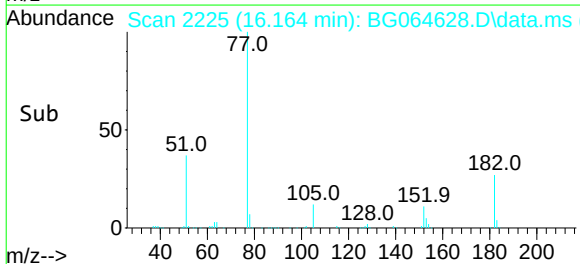
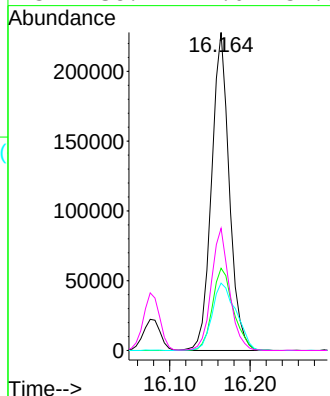
Ion Ratio Lower Upper

77 100

182 25.9 4.9 44.9

105 21.2 1.3 41.3

51 38.4 19.0 59.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.580 min Scan# 2466

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

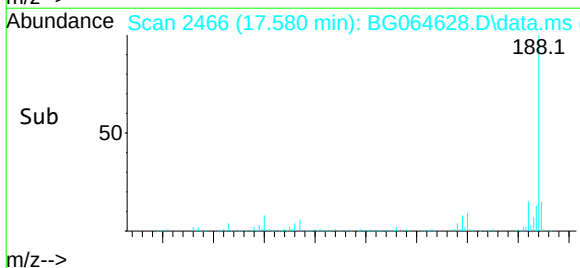
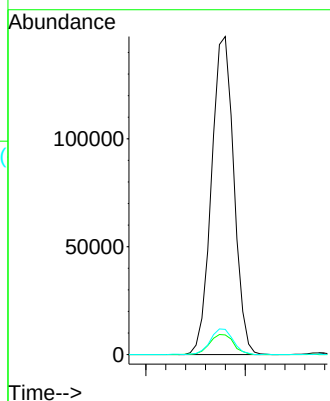
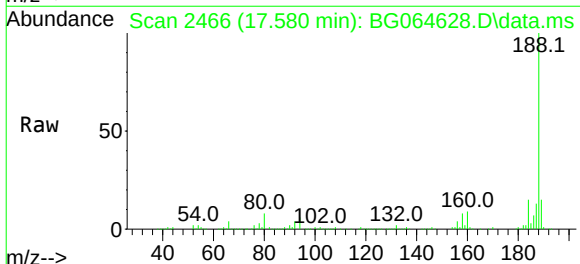
Tgt Ion: 188 Resp: 230638

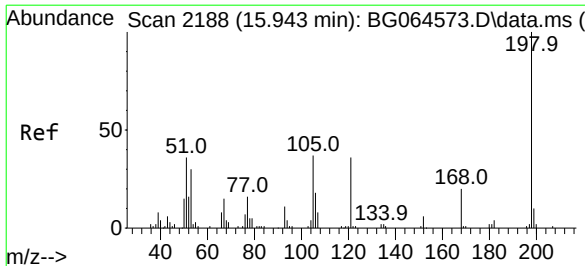
Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

80 7.9 6.8 10.2

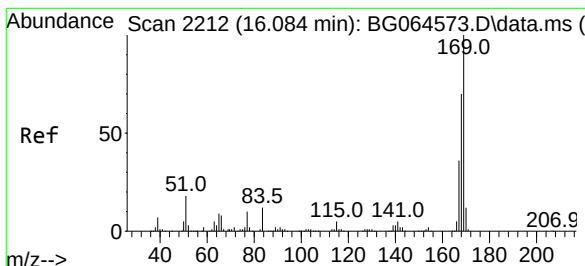
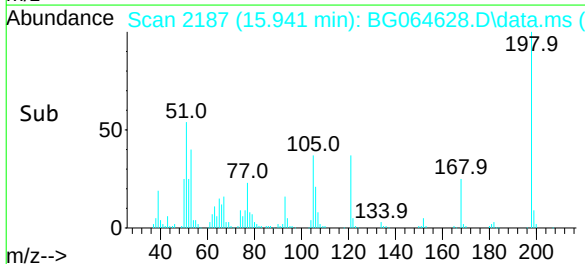
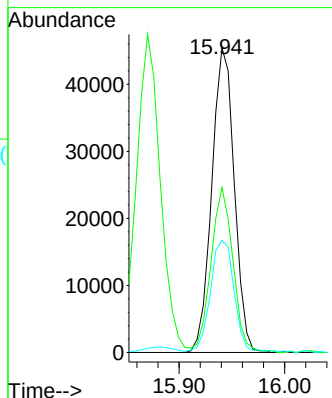
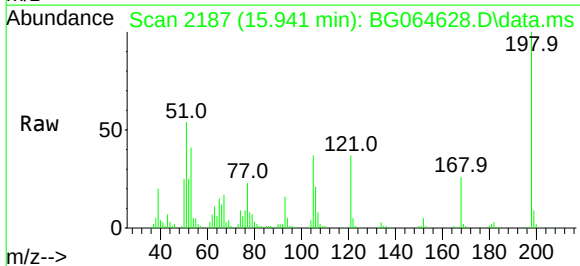




#65
4,6-Dinitro-2-methylphenol
Concen: 64.272 ng
RT: 15.941 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

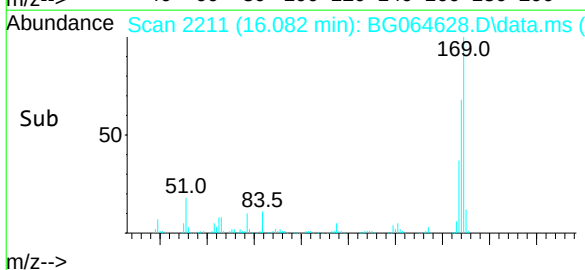
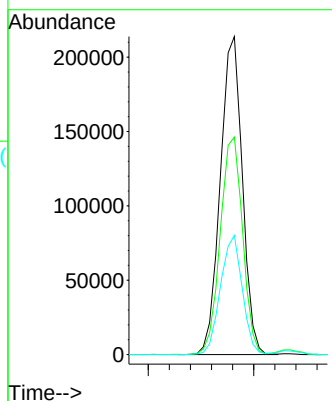
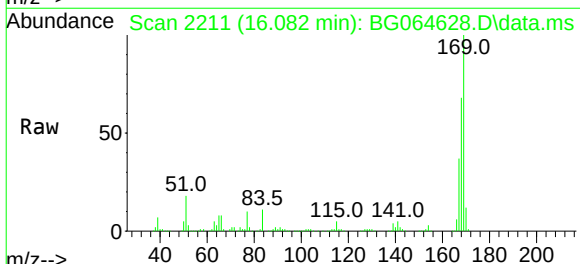
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

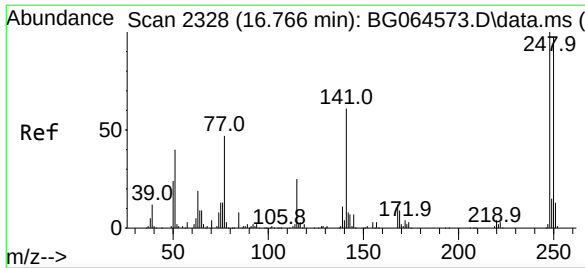
Tgt Ion:198 Resp: 67333
Ion Ratio Lower Upper
198 100
51 54.1 24.7 64.7
105 36.8 18.0 58.0



#66
n-Nitrosodiphenylamine
Concen: 49.959 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:169 Resp: 311250
Ion Ratio Lower Upper
169 100
168 68.4 56.3 84.5
167 37.5 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 49.838 ng

RT: 16.763 min Scan# 2328

Delta R.T. -0.006 min

Lab File: BG064628.D

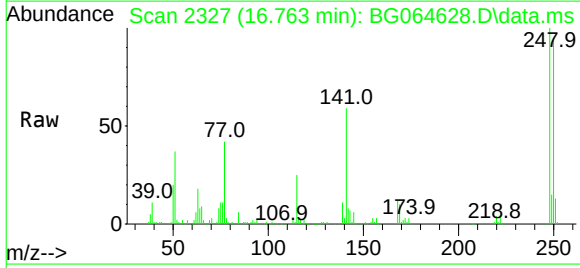
Acq: 29 Oct 2025 18:15

Instrument :

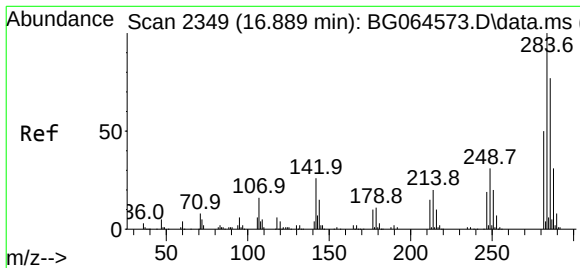
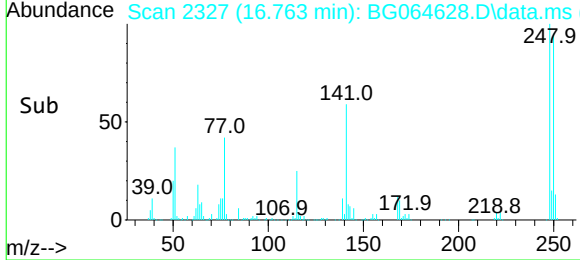
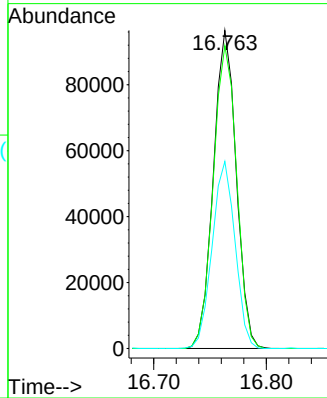
BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:	248	Resp:	136215
Ion Ratio	Lower	Upper	
248	100		
250	95.2	77.7	116.5
141	58.8	48.6	72.8



#68

Hexachlorobenzene

Concen: 50.163 ng

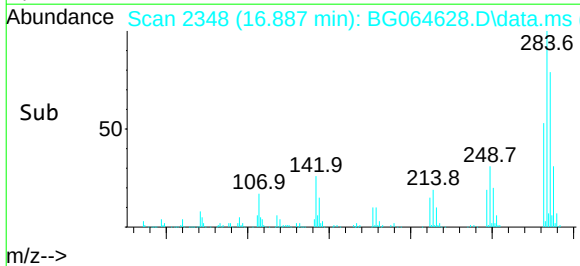
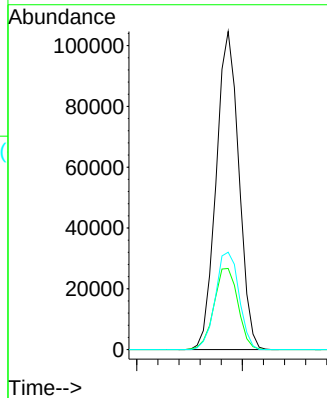
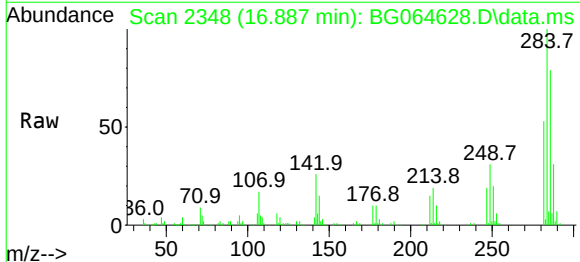
RT: 16.887 min Scan# 2348

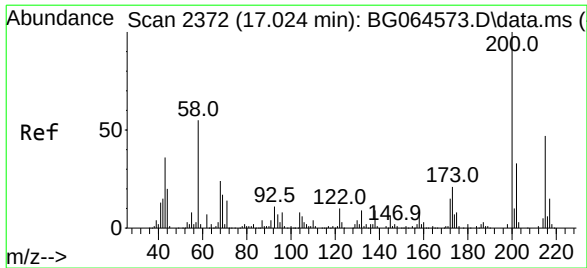
Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	284	Resp:	156412
Ion Ratio	Lower	Upper	
284	100		
142	25.5	21.0	31.6
249	30.6	24.9	37.3





#69

Atrazine

Concen: 53.460 ng

RT: 17.022 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BG064628.D

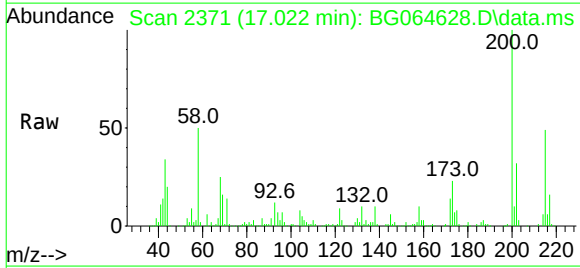
Acq: 29 Oct 2025 18:15

Instrument :

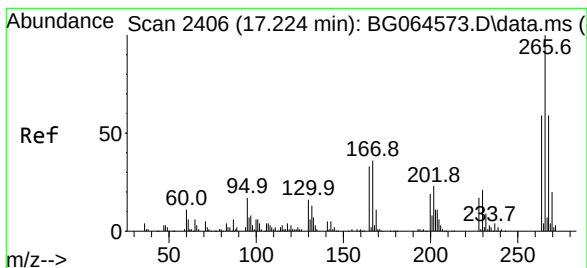
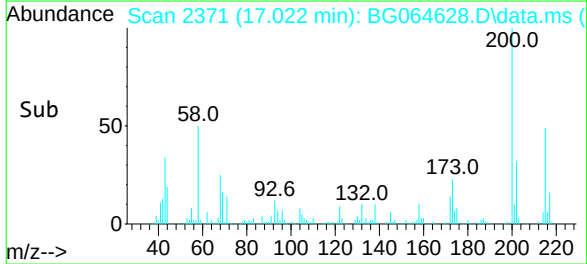
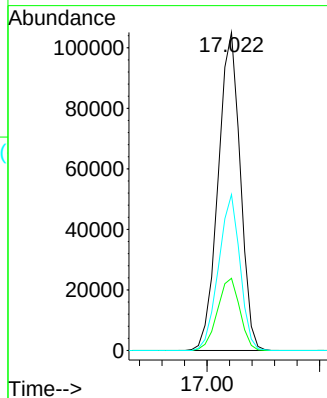
BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:	200	Resp:	143329
Ion Ratio	Lower	Upper	
200	100		
173	22.7	0.9	40.9
215	49.0	27.0	67.0



#70

Pentachlorophenol

Concen: 111.038 ng

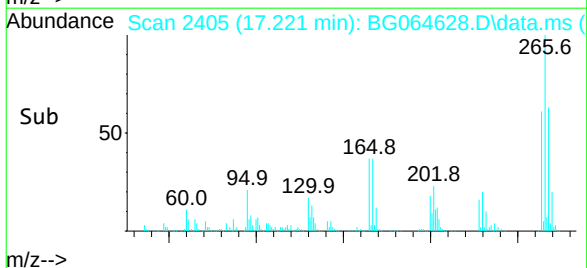
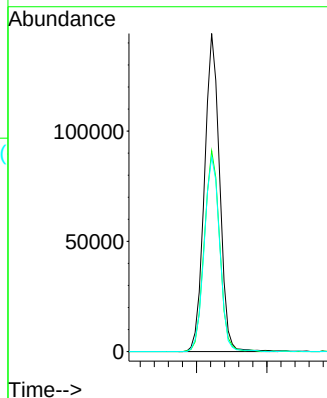
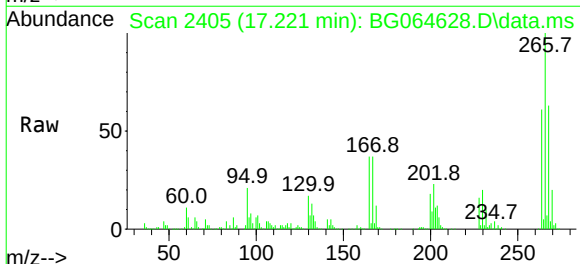
RT: 17.221 min Scan# 2405

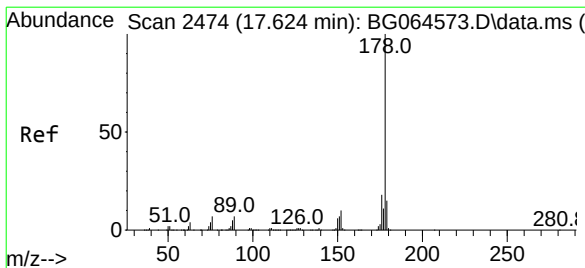
Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	266	Resp:	215900
Ion Ratio	Lower	Upper	
266	100		
268	67.4	50.3	75.5
264	61.2	47.3	70.9

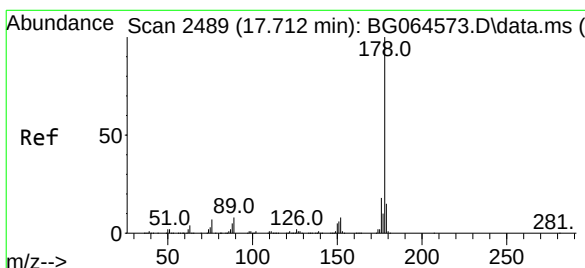
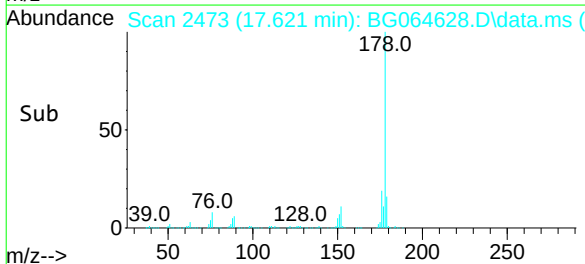
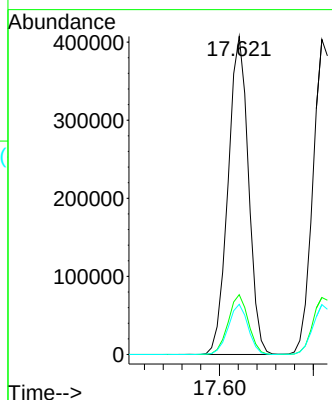
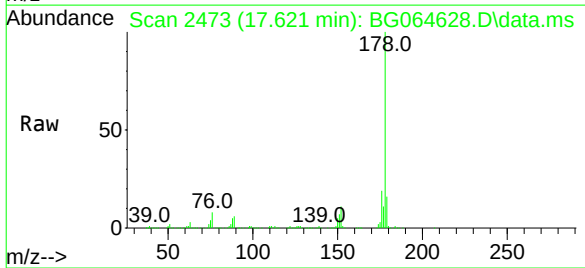




#71
Phenanthrene
Concen: 48.725 ng
RT: 17.621 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

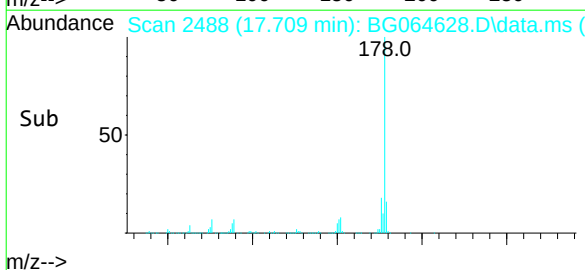
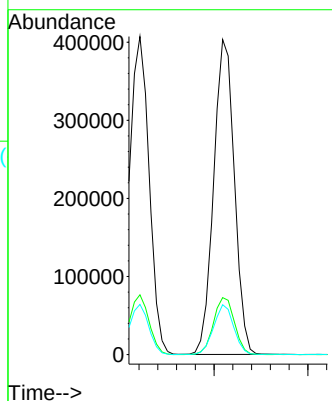
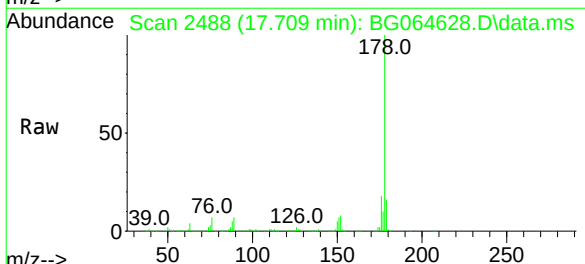
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

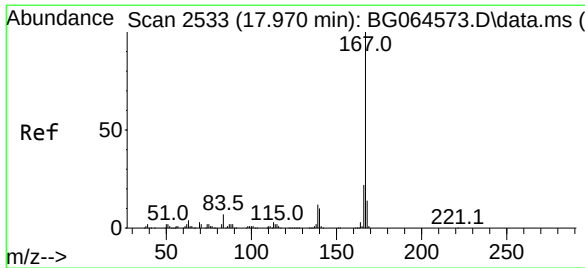
Tgt Ion:178 Resp: 614558
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.8 12.2 18.4



#72
Anthracene
Concen: 48.191 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:178 Resp: 618291
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 15.8 12.4 18.6





#73

Carbazole

Concen: 49.079 ng

RT: 17.968 min Scan# 25

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

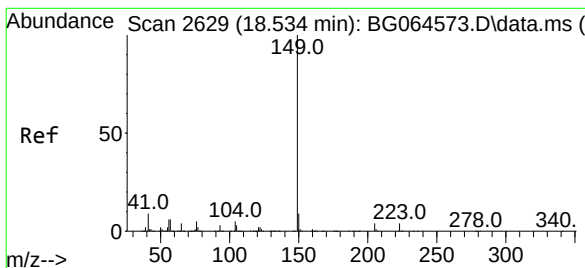
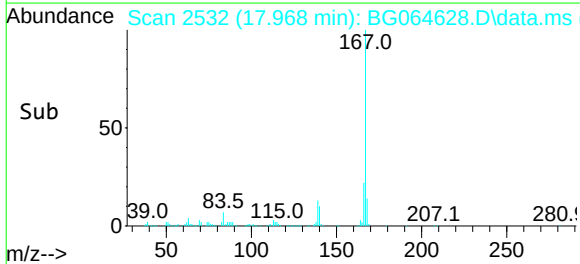
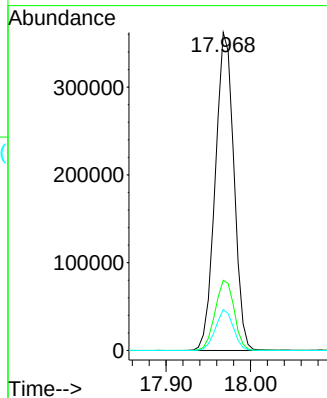
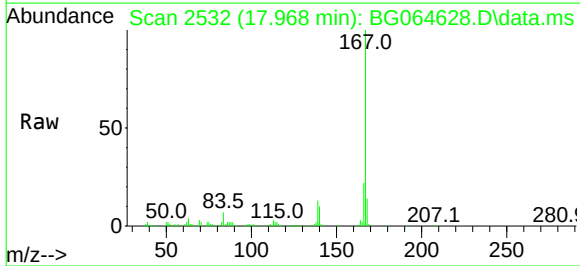
Tgt Ion:167 Resp: 555268

Ion Ratio Lower Upper

167 100

166 22.1 17.9 26.9

139 12.8 9.7 14.5



#74

Di-n-butylphthalate

Concen: 50.481 ng

RT: 18.526 min Scan# 2627

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

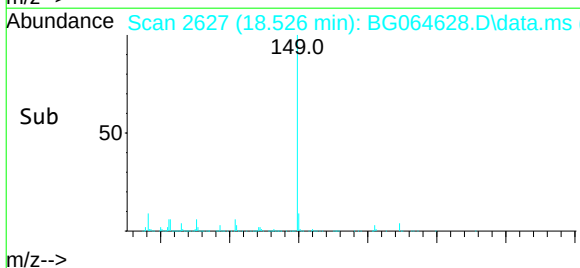
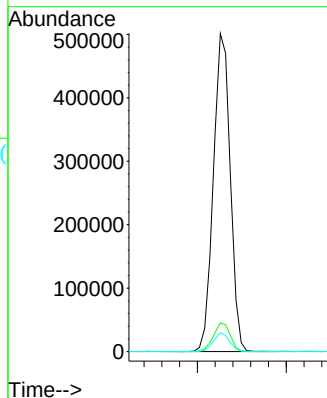
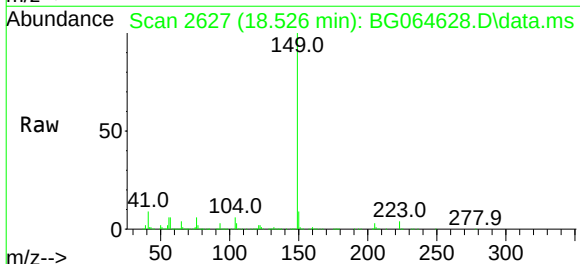
Tgt Ion:149 Resp: 660445

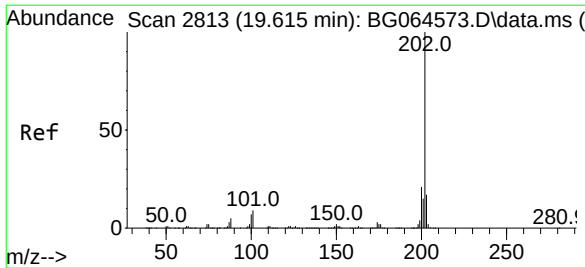
Ion Ratio Lower Upper

149 100

150 9.0 7.0 10.6

104 6.0 4.1 6.1

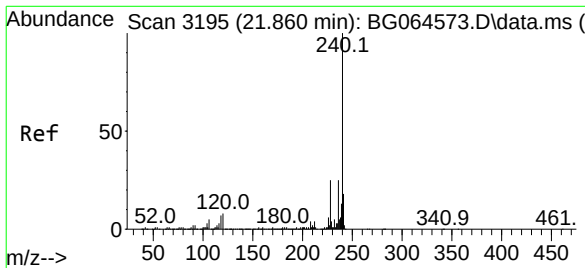
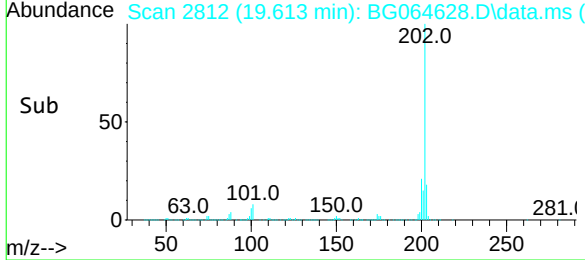
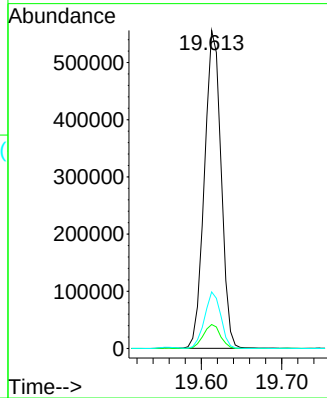
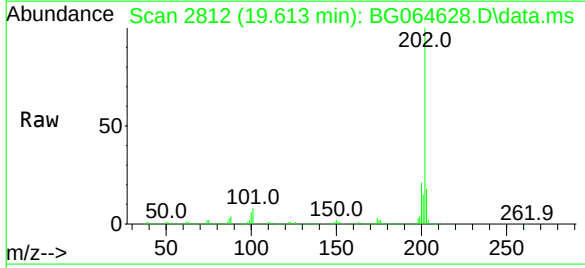




#75
Fluoranthene
Concen: 50.549 ng
RT: 19.613 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

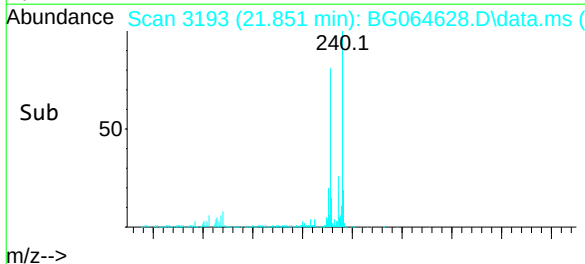
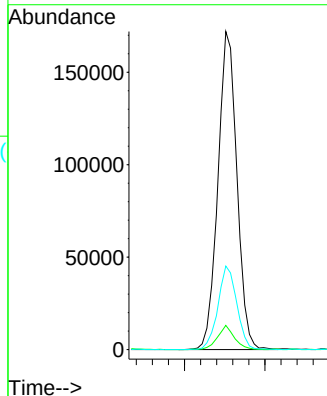
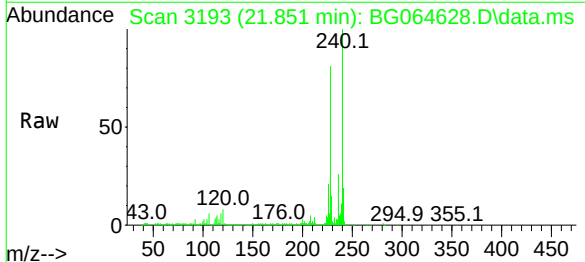
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD

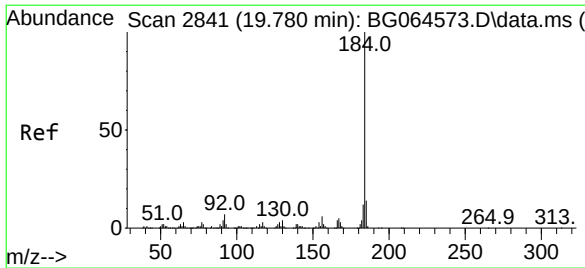
Tgt Ion:202 Resp: 798695
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.7
203 17.8 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:240 Resp: 282250
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 26.3 20.2 30.2





#77

Benzidine

Concen: 42.107 ng

RT: 19.777 min Scan# 28

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

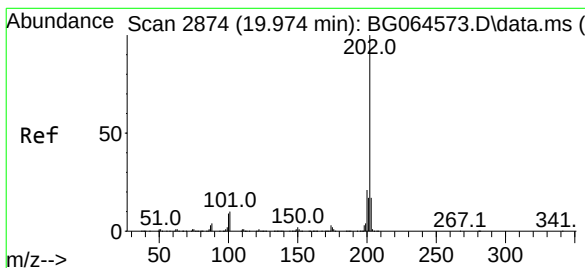
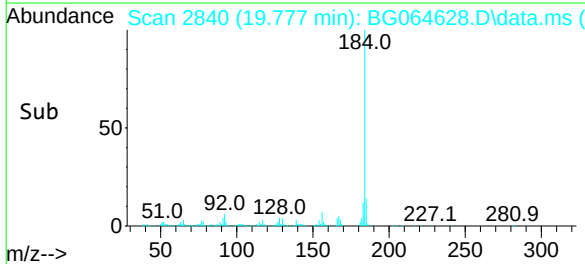
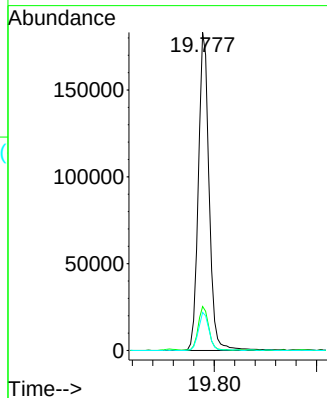
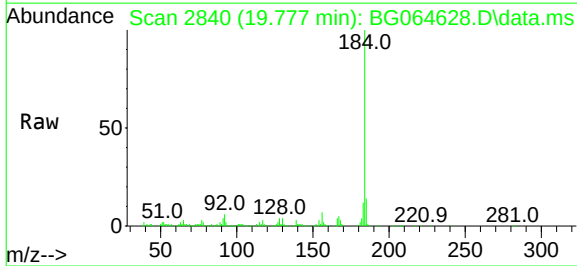
Tgt Ion:184 Resp: 266267

Ion Ratio Lower Upper

184 100

185 13.8 11.4 17.2

183 12.0 9.4 14.2



#78

Pyrene

Concen: 44.797 ng

RT: 19.971 min Scan# 2873

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

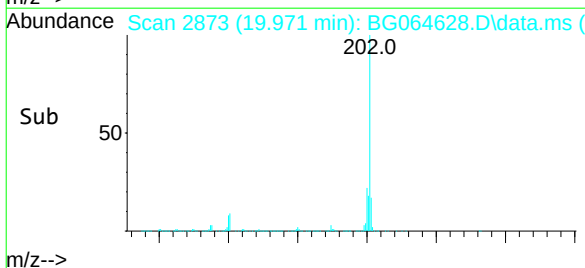
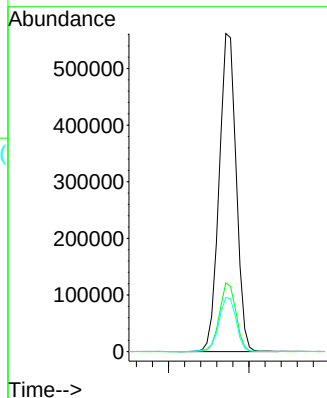
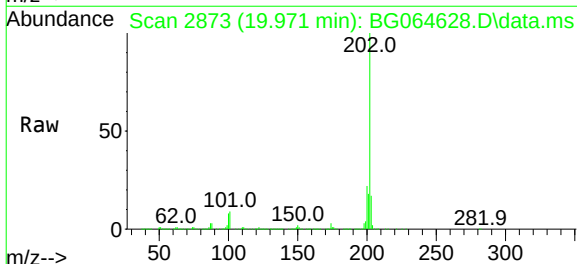
Tgt Ion:202 Resp: 826087

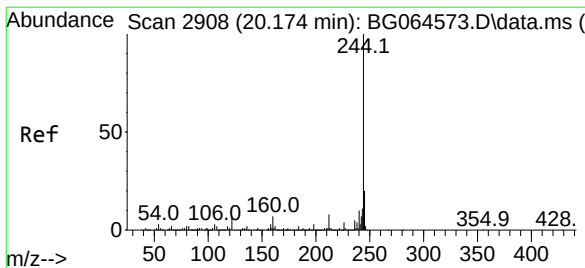
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 17.0 13.8 20.6





#79

Terphenyl-d14

Concen: 57.063 ng

RT: 20.165 min Scan# 29

Delta R.T. -0.012 min

Lab File: BG064628.D

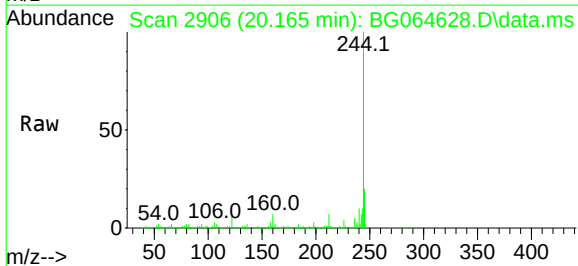
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



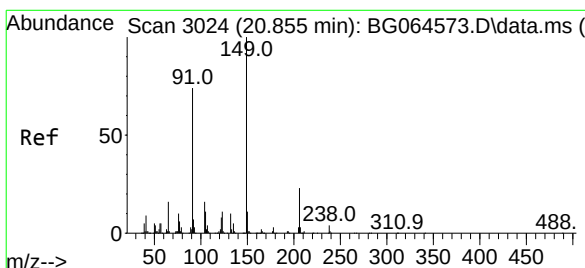
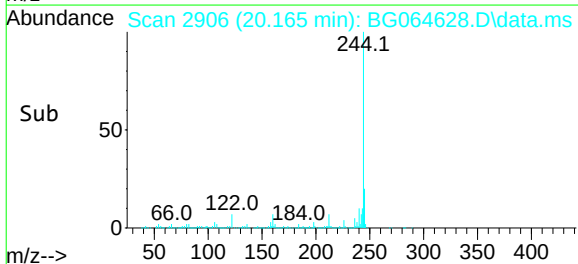
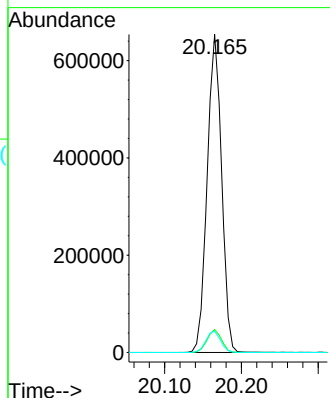
Tgt Ion:244 Resp: 853453

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.7 5.6 8.4



#80

Butylbenzylphthalate

Concen: 55.127 ng

RT: 20.852 min Scan# 3023

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

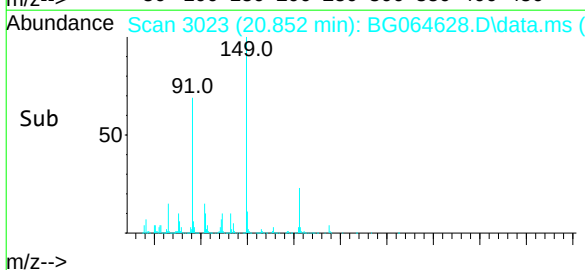
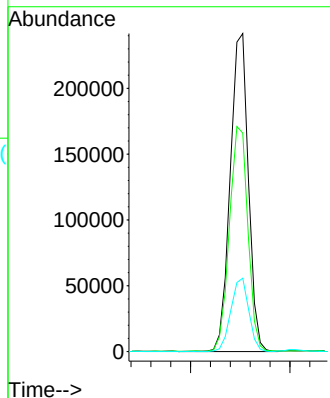
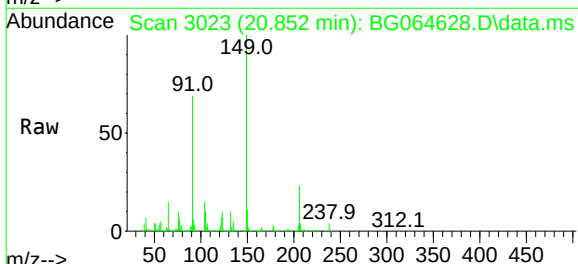
Tgt Ion:149 Resp: 307248

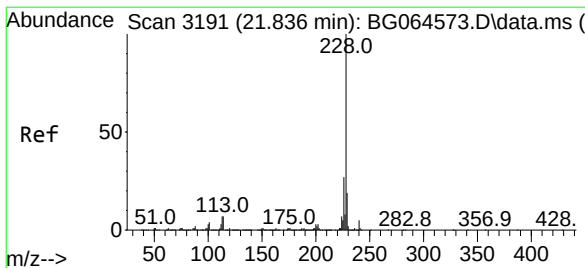
Ion Ratio Lower Upper

149 100

91 68.7 59.2 88.8

206 23.1 18.1 27.1





#81

Benzo(a)anthracene

Concen: 48.937 ng

RT: 21.834 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

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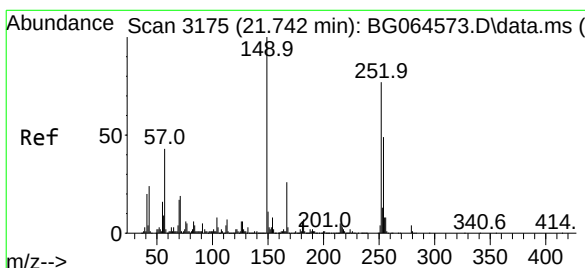
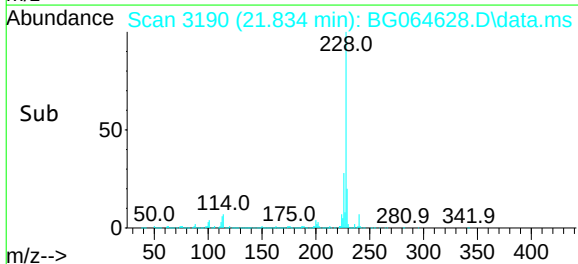
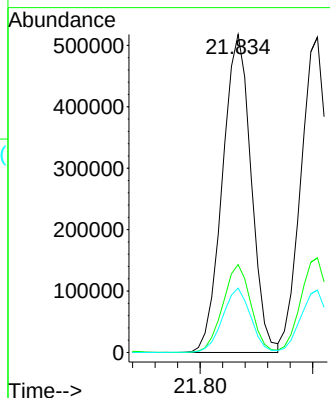
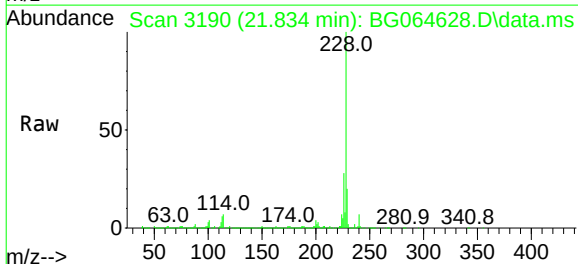
Tgt Ion:228 Resp: 915839

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

229 20.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 27.527 ng

RT: 21.734 min Scan# 3173

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

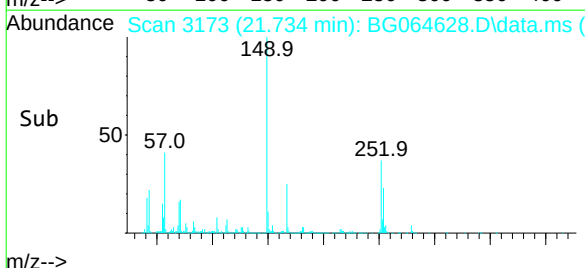
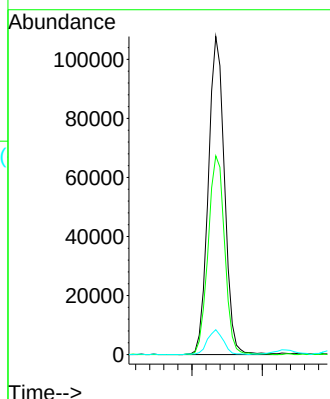
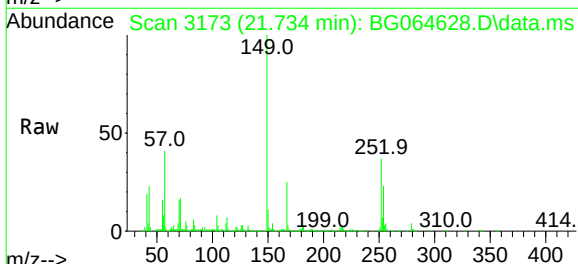
Tgt Ion:252 Resp: 172028

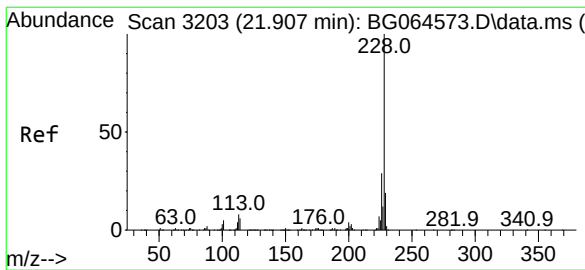
Ion Ratio Lower Upper

252 100

254 62.5 50.8 76.2

126 7.8 5.8 8.6





#83

Chrysene

Concen: 48.119 ng

RT: 21.904 min Scan# 32

Delta R.T. -0.006 min

Lab File: BG064628.D

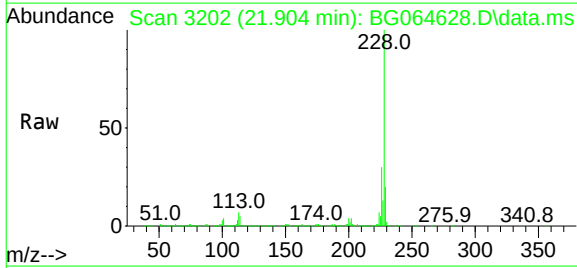
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



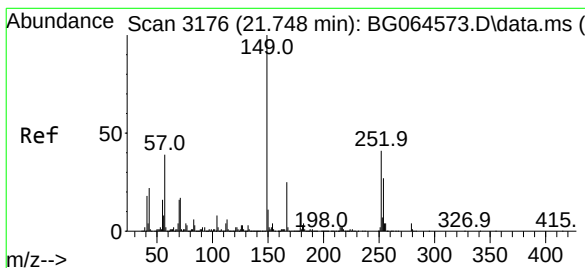
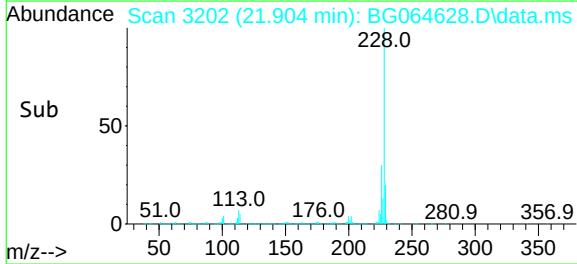
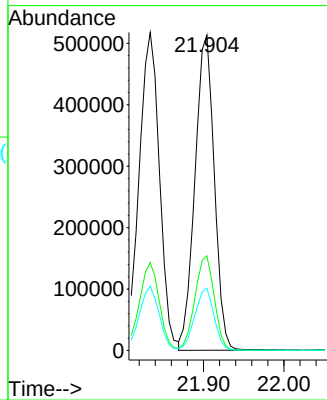
Tgt Ion:228 Resp: 856872

Ion Ratio Lower Upper

228 100

226 30.0 23.3 34.9

229 19.8 15.2 22.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.799 ng

RT: 21.740 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

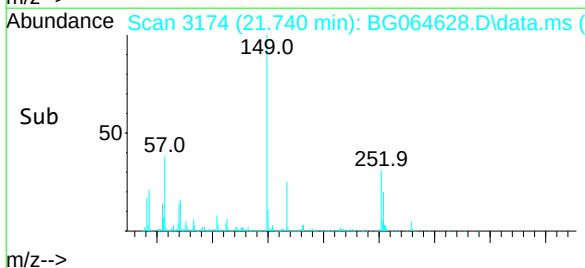
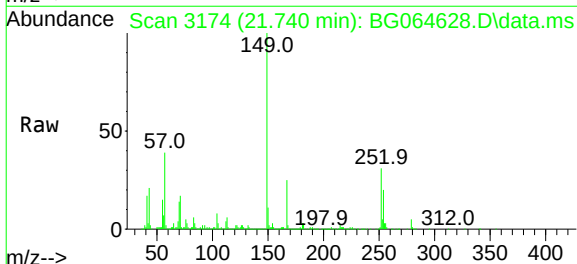
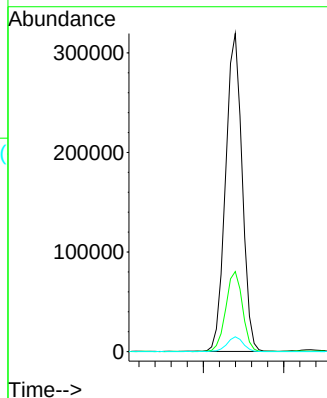
Tgt Ion:149 Resp: 456370

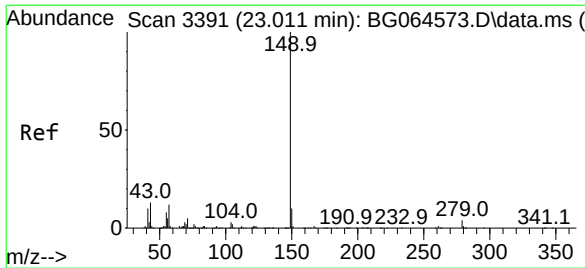
Ion Ratio Lower Upper

149 100

167 25.2 20.0 30.0

279 4.7 3.1 4.7

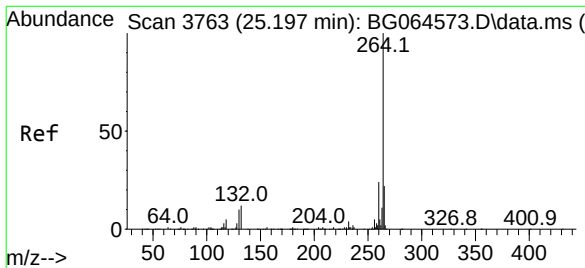
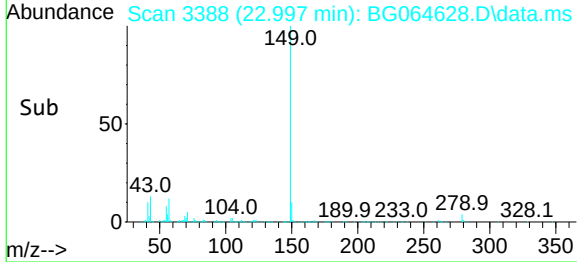
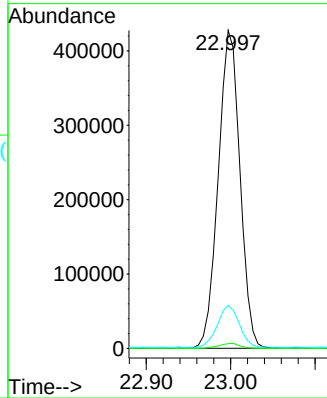
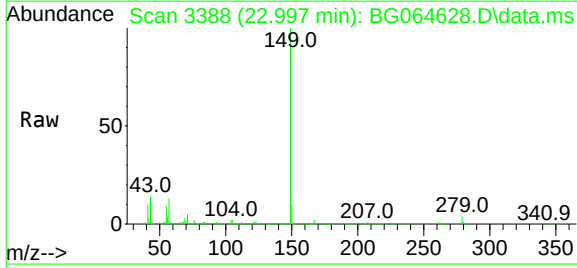




#85
Di-n-octyl phthalate
Concen: 54.307 ng
RT: 22.997 min Scan# 33
Delta R.T. -0.018 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

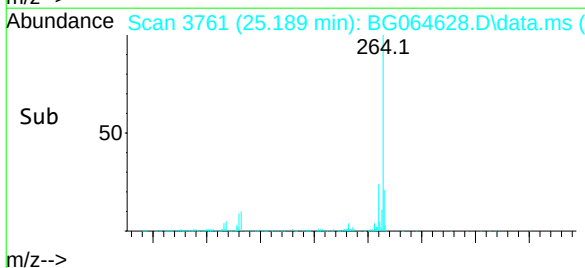
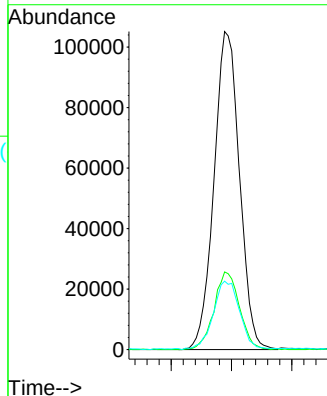
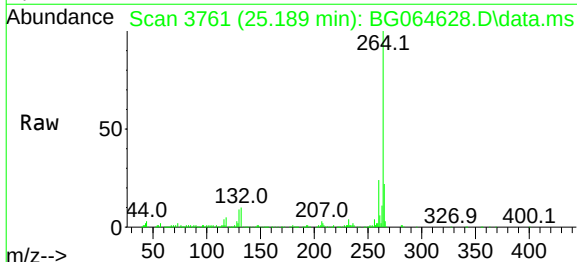
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

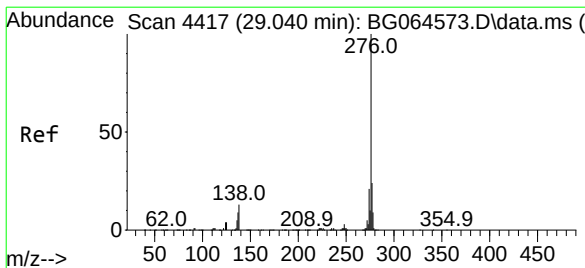
Tgt Ion:149 Resp: 762527
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.3 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.189 min Scan# 3761
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:264 Resp: 308600
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 21.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.546 ng

RT: 29.031 min Scan# 4417

Delta R.T. -0.030 min

Lab File: BG064628.D

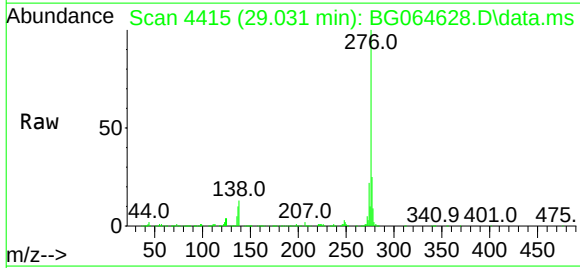
Acq: 29 Oct 2025 18:15

Instrument :

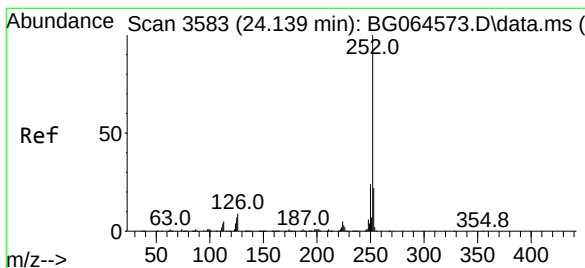
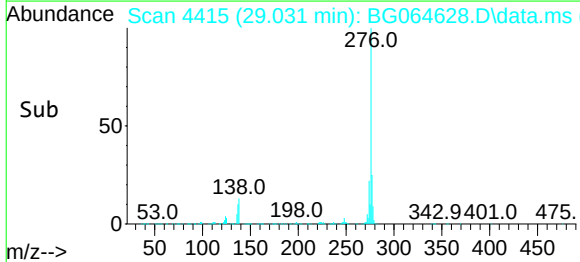
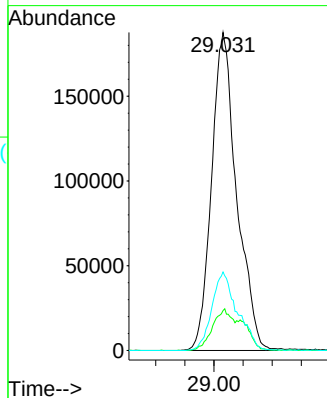
BNA_G

ClientSampleId :

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Tgt Ion:	276	Resp:	1124787
Ion	Ratio	Lower	Upper
276	100		
138	10.3	10.8	16.2#
277	25.1	20.1	30.1



#88

Benzo(b)fluoranthene

Concen: 48.765 ng

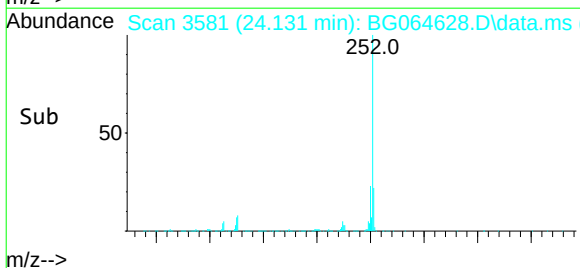
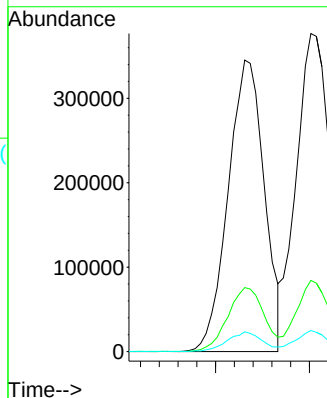
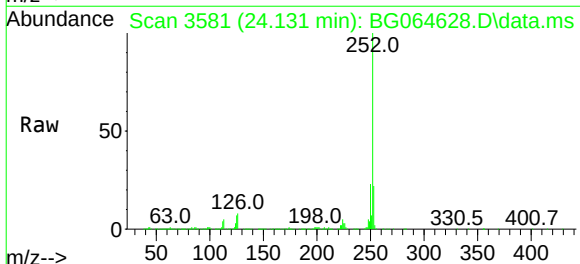
RT: 24.131 min Scan# 3581

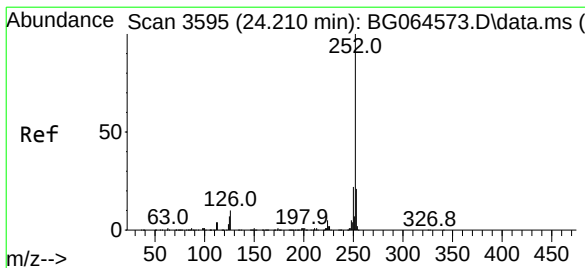
Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	252	Resp:	922791
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4





#89

Benzo(k)fluoranthene

Concen: 49.723 ng

RT: 24.202 min Scan# 35

Delta R.T. -0.018 min

Lab File: BG064628.D

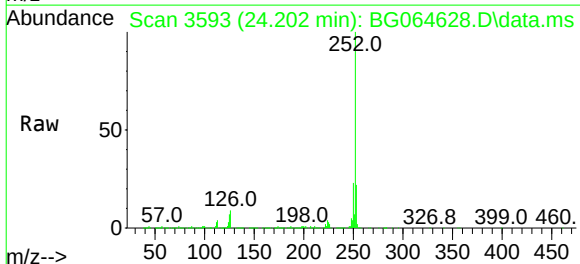
Acq: 29 Oct 2025 18:15

Instrument :

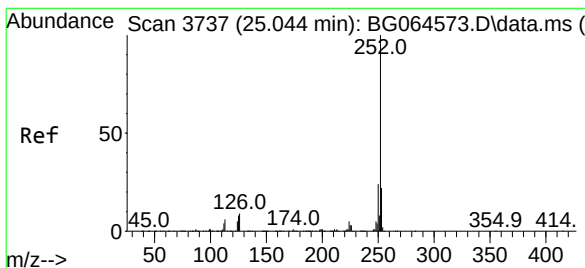
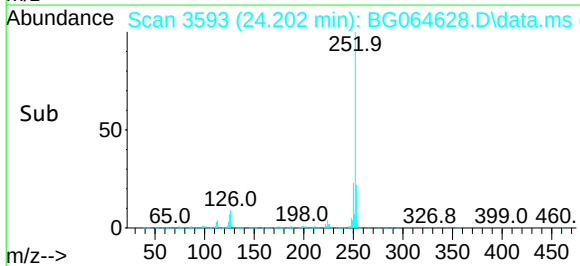
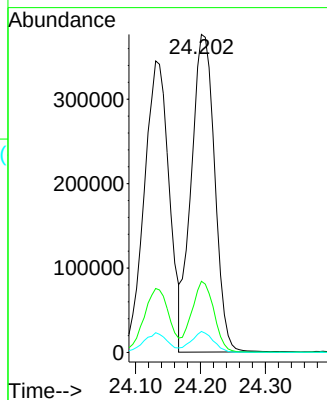
BNA_G

ClientSampleId :

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Tgt Ion:	252	Resp:	941575
Ion Ratio	Lower	Upper	
252	100		
253	22.4	16.8	25.2
125	6.6	5.4	8.0



#90

Benzo(a)pyrene

Concen: 50.697 ng

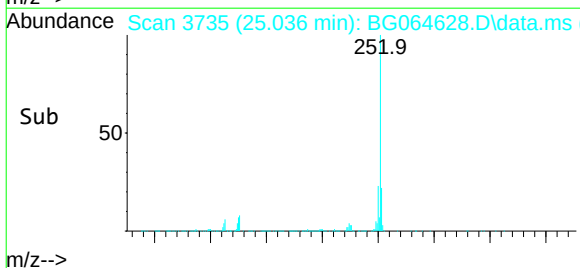
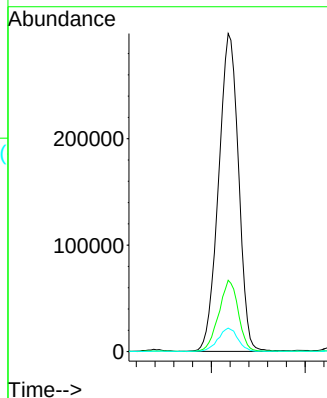
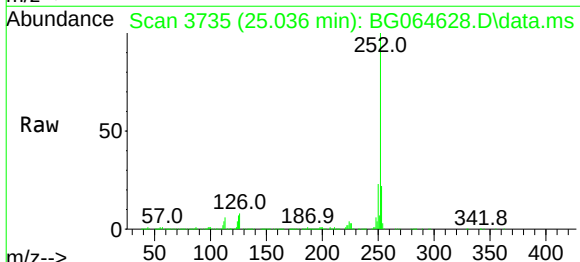
RT: 25.036 min Scan# 3735

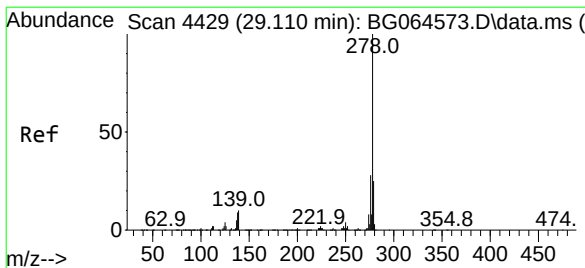
Delta R.T. -0.024 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	252	Resp:	881844
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	7.4	6.1	9.1





#91

Dibenzo(a,h)anthracene

Concen: 49.838 ng

RT: 29.102 min Scan# 44

Delta R.T. -0.036 min

Lab File: BG064628.D

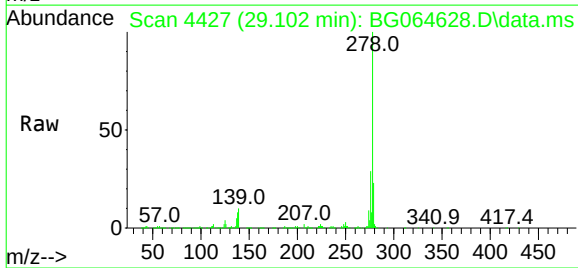
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

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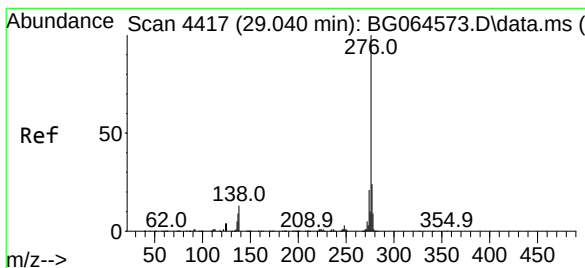
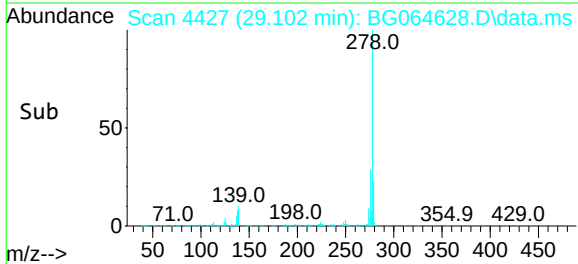
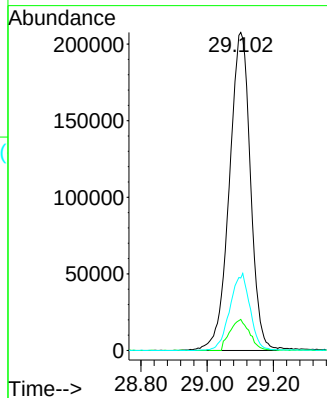
Tgt Ion:278 Resp: 919177

Ion Ratio Lower Upper

278 100

139 9.8 8.0 12.0

279 22.8 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 49.546 ng

RT: 29.031 min Scan# 4415

Delta R.T. -0.030 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:276 Resp: 1124787

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 12.6 10.7 16.1

