

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121724\
 Data File : BG063717.D
 Acq On : 18 Dec 2024 3:27
 Operator : RC/JU
 Sample : P5155-19MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28W2MSD

Quant Time: Dec 18 05:25:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	158491	20.000	ng/u1	0.00
20) Naphthalene-d8	10.593	136	690107	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.447	164	520160	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.197	188	1120105	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	1035043	20.000	ng/u1	0.00
88) Perylene-d12	24.465	264	1124653	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.260	96	16733	4.137	ng/uL	-0.02
4) Pyridine-d5	3.671	84	296401	23.232	ng/u1	-0.02
7) Phenol-d5	6.997	99	387624	26.555	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.138	67	252995	25.095	ng/u1	0.00
11) 2-Chlorophenol-d4	7.349	132	257617	27.261	ng/u1	0.00
15) 4-Methylphenol-d8	8.530	113	241563	21.315	ng/u1	0.00
21) Nitrobenzene-d5	8.959	128	147013	29.836	ng/u1	0.00
24) 2-Nitrophenol-d4	9.682	143	165006	29.874	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	311966	29.173	ng/u1	0.00
31) 4-Chloroaniline-d4	10.734	131	318441	23.452	ng/u1	0.00
46) Dimethylphthalate-d6	13.854	166	1039915	29.381	ng/u1	0.00
49) Acenaphthylene-d8	14.142	160	1061064	26.298	ng/u1	0.00
54) 4-Nitrophenol-d4	14.682	143	127990	25.522	ng/u1	0.00
60) Fluorene-d10	15.440	176	794891	25.401	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	55741	9.585	ng/u1	0.00
73) Anthracene-d10	17.297	188	1178586	24.474	ng/u1	0.00
81) Pyrene-d10	19.594	212	1185165	22.004	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.259	264	909189	17.215	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.295	88	48707	10.176	ng/uL#	93
5) Pyridine	3.689	79	417410	30.545	ng/u1	91
6) Benzaldehyde	6.944	77	63428	7.084	ng/u1	91
8) Phenol	7.020	94	635429	40.846	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.232	93	414227	34.802	ng/u1	97
12) 2-Chlorophenol	7.379	128	386337	40.388	ng/u1	99
13) 2-Methylphenol	8.260	108	449839	40.008	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.325	45	633053	35.826	ng/u1	98
16) Acetophenone	8.624	105	685075	35.640	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.607	70	398277	34.725	ng/u1	96
18) 4-Methylphenol	8.595	108	495158	40.238	ng/u1	93
19) Hexachloroethane	8.877	117	161685	34.399	ng/u1	97
22) Nitrobenzene	9.006	77	589509	35.827	ng/u1	94
23) Isophorone	9.523	82	1080088	34.741	ng/u1	99
25) 2-Nitrophenol	9.717	139	236676	41.694	ng/u1#	87
26) 2,4-Dimethylphenol	9.788	107	498989	38.739	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.005	93	601386	35.764	ng/u1#	95
29) 2,4-Dichlorophenol	10.258	162	447157	42.083	ng/u1	97
30) Naphthalene	10.646	128	1378949	39.966	ng/u1	98
32) 4-Chloroaniline	10.757	127	353486	27.362	ng/u1	99
33) Hexachlorobutadiene	10.928	225	291988	33.824	ng/u1	96
34) Caprolactam	11.527	113	157873m	42.981	ng/u1	
35) 4-Chloro-3-methylphenol	11.903	107	532117	42.655	ng/u1	97
36) 2-Methylnaphthalene	12.261	142	984699	39.709	ng/u1	94

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 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

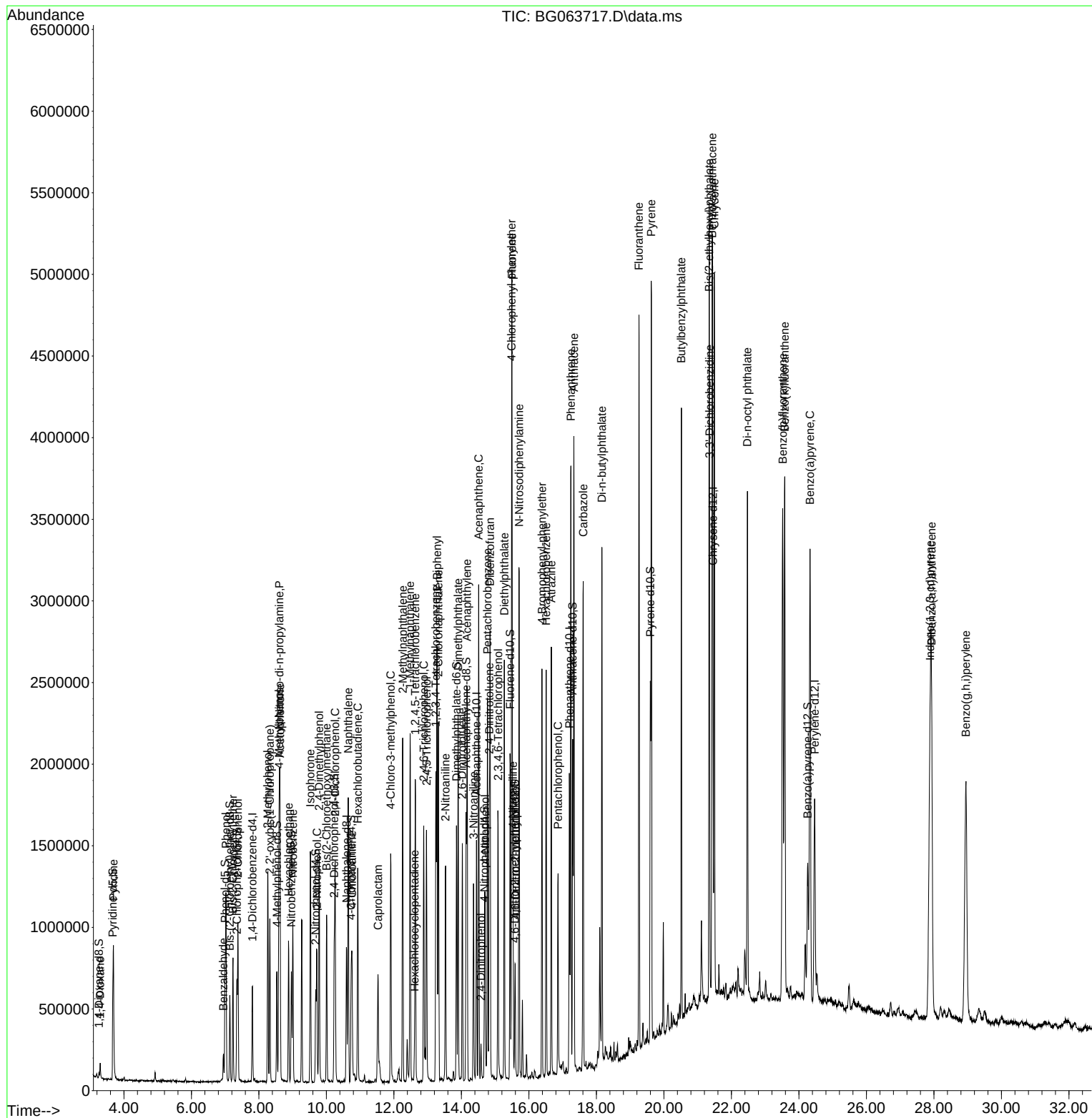
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.479	142	978995	38.758	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.632	216	607160	36.462	ng/ul	99
40) Hexachlorocyclopentadiene	12.608	237	48041	7.298	ng/ul#	98
41) 2,4,6-Trichlorophenol	12.884	196	395240	41.996	ng/ul	93
42) 2,4,5-Trichlorophenol	12.966	196	420977	42.860	ng/ul	93
43) 1,1'-Biphenyl	13.278	154	1347087	39.269	ng/ul	95
44) 2-Chloronaphthalene	13.319	162	1073146	38.958	ng/ul	97
45) 2-Nitroaniline	13.530	65	422606	45.801	ng/ul	92
47) Dimethylphthalate	13.901	163	1391767	39.235	ng/ul	98
48) 2,6-Dinitrotoluene	14.024	165	279590	42.439	ng/ul#	91
50) Acenaphthylene	14.165	152	1670126	38.604	ng/ul	98
51) 3-Nitroaniline	14.359	138	275080	45.161	ng/ul	90
52) Acenaphthene	14.512	153	1203495	39.248	ng/ul	98
53) 2,4-Dinitrophenol	14.582	184	55228	16.404	ng/ul	96
55) 4-Nitrophenol	14.700	109	183575	35.253	ng/ul	90
56) Dibenzofuran	14.847	168	1746958	40.410	ng/ul	99
57) 2,4-Dinitrotoluene	14.823	165	427268	43.647	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.087	232	365456	43.164	ng/ul#	91
59) Diethylphthalate	15.270	149	1368611	39.910	ng/ul	97
61) Fluorene	15.499	166	1349094	39.081	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.487	204	732327	38.079	ng/ul	100
63) 4-Nitroaniline	15.528	138	299098	49.049	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.593	198	138790	23.165	ng/ul	95
67) N-Nitrosodiphenylamine	15.710	169	1196245	44.103	ng/ul	99
68) 4-Bromophenyl-phenylether	16.386	248	484835	42.472	ng/ul	95
69) Hexachlorobenzene	16.509	284	530604	41.487	ng/ul	98
70) Atrazine	16.662	200	475531	41.474	ng/ul	98
71) Pentachlorophenol	16.862	266	246902	45.786	ng/ul	98
72) Phenanthrene	17.244	178	2390185	44.281	ng/ul	99
74) Anthracene	17.332	178	2256729	41.307	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.243	216	598763	40.065	ng/ul	98
76) Pentachlorobenzene	14.770	250	627259	42.367	ng/ul	99
77) Carbazole	17.608	167	1936440	43.788	ng/ul	99
78) Di-n-butylphthalate	18.160	149	2330518	43.636	ng/ul	98
80) Fluoranthene	19.259	202	2778809	45.392	ng/ul	96
82) Pyrene	19.623	202	2908801	44.660	ng/ul#	92
83) Butylbenzylphthalate	20.516	149	1024650	51.249	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.351	252	529570	28.343	ng/ul	94
85) Benzo(a)anthracene	21.427	228	2749320	42.384	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.339	149	1493402	51.348	ng/ul	98
87) Chrysene	21.492	228	2643748	42.762	ng/ul	94
89) Di-n-octyl phthalate	22.473	149	2488706	51.269	ng/ul	100
90) Benzo(b)fluoranthene	23.519	252	3161351	49.458	ng/ul	98
91) Benzo(k)fluoranthene	23.578	252	2725247m	42.742	ng/ul	
93) Benzo(a)pyrene	24.330	252	2835209	47.255	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.884	276	3479557	47.489	ng/ul	98
95) Dibenzo(a,h)anthracene	27.931	278	2570828	43.850	ng/ul#	94
96) Benzo(g,h,i)perylene	28.948	276	2825959	48.604	ng/ul	97

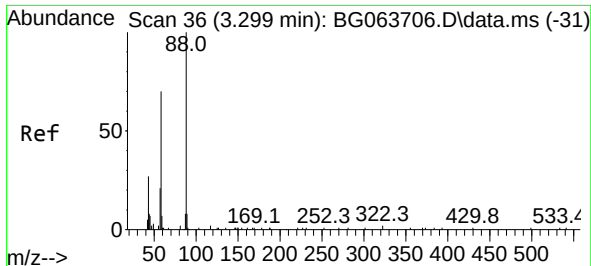
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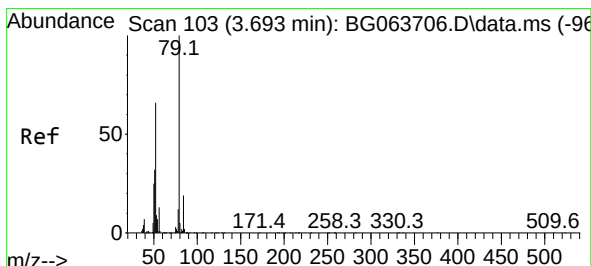
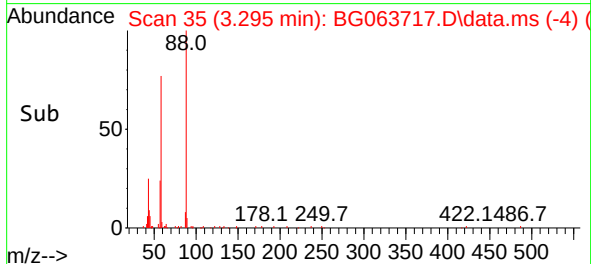
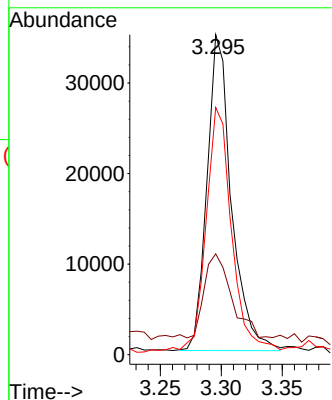
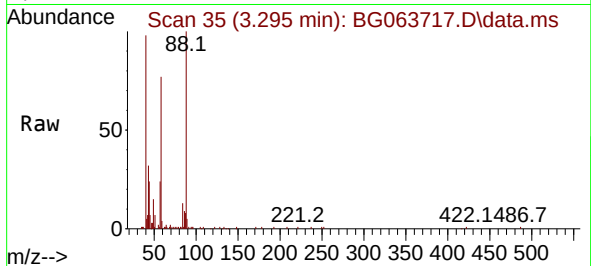




#2
1,4-Dioxane
Concen: 10.176 ng/uL
RT: 3.295 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

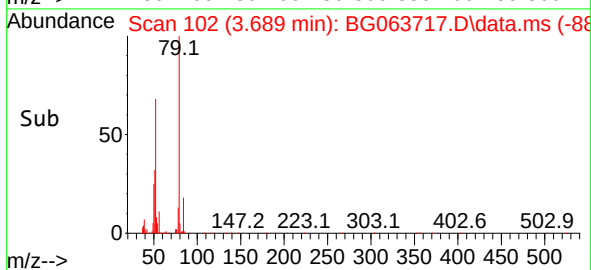
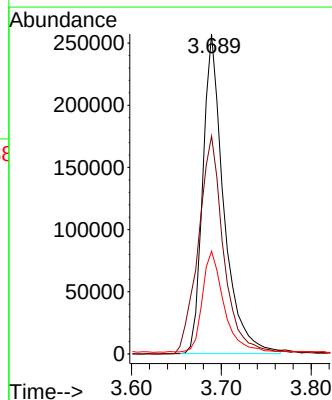
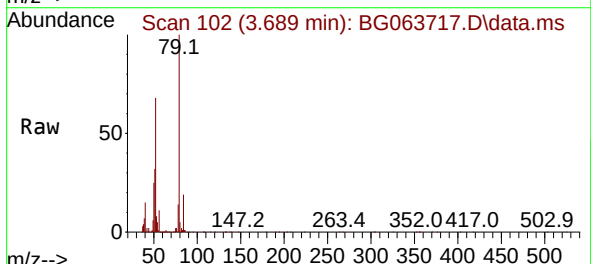
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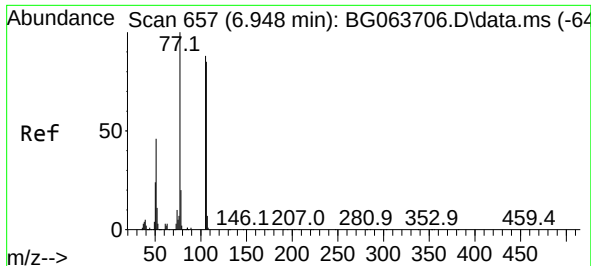
Tgt Ion: 88 Resp: 48707
Ion Ratio Lower Upper
88 100
43 31.5 20.9 31.3#
58 77.3 57.7 86.5



#5
Pyridine
Concen: 30.545 ng/uL
RT: 3.689 min Scan# 102
Delta R.T. -0.016 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion: 79 Resp: 417410
Ion Ratio Lower Upper
79 100
52 68.1 60.9 91.3
51 32.1 29.5 44.3

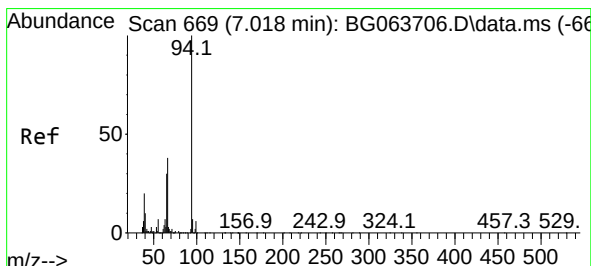
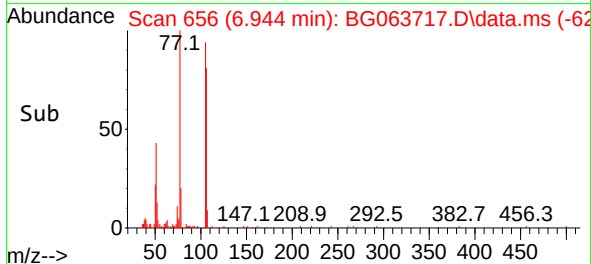
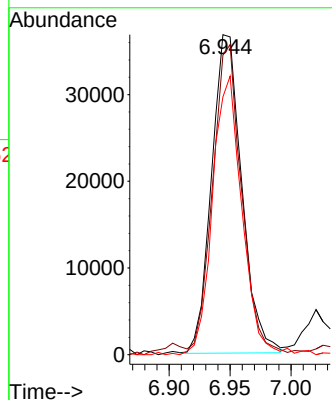
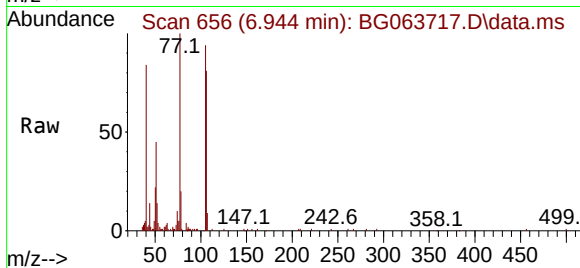




#6
Benzaldehyde
Concen: 7.084 ng/ul
RT: 6.944 min Scan# 61
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

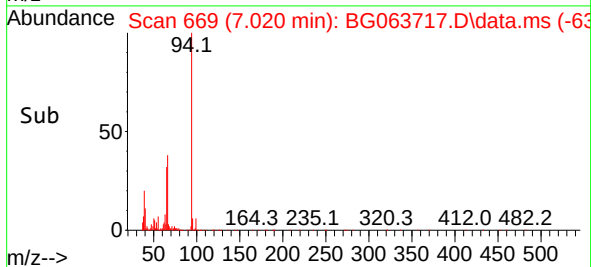
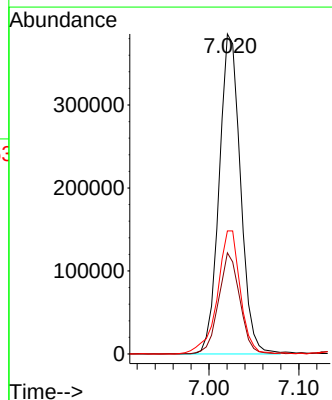
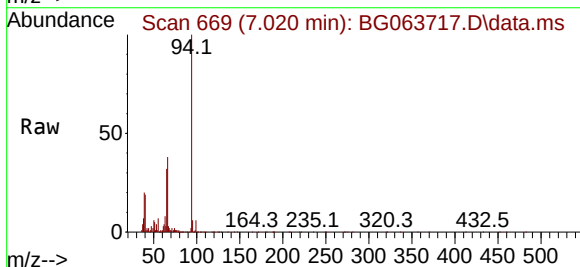
Instrument :
BNA_G
ClientSampleId :
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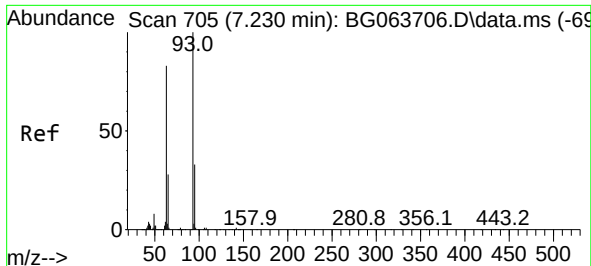
Tgt Ion: 77 Resp: 63428
Ion Ratio Lower Upper
77 100
105 93.6 65.2 97.8
106 80.5 61.0 91.4



#8
Phenol
Concen: 40.846 ng/ul
RT: 7.020 min Scan# 669
Delta R.T. 0.002 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion: 94 Resp: 635429
Ion Ratio Lower Upper
94 100
65 31.6 25.6 38.4
66 38.4 34.2 51.2



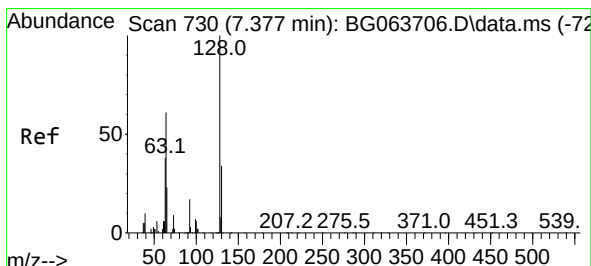
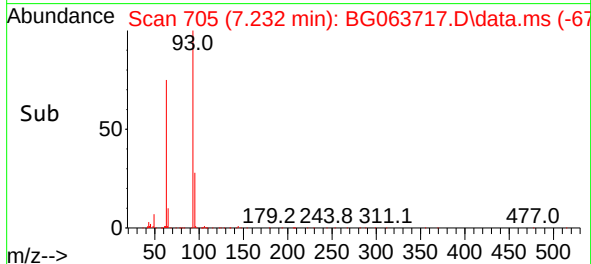
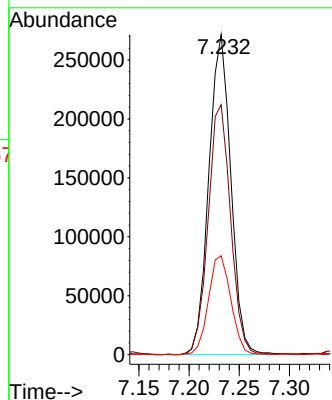
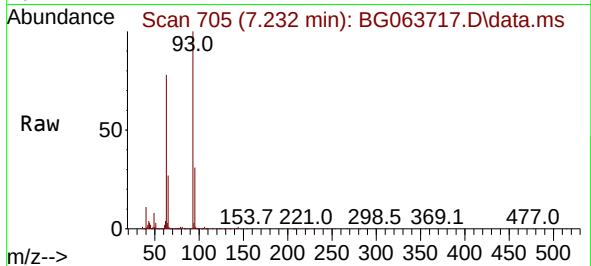


#10
 Bis(2-Chloroethyl)ether
 Concen: 34.802 ng/ul
 RT: 7.232 min Scan# 705
 Delta R.T. -0.004 min
 Lab File: BG063717.D
 Acq: 18 Dec 2024 3:27

Instrument :
 BNA_G
 ClientSampleId :
 E28W2MSD

Tgt Ion: 93 Resp: 414227

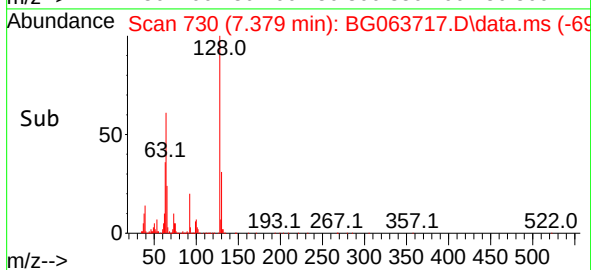
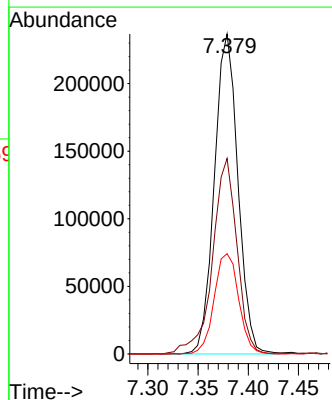
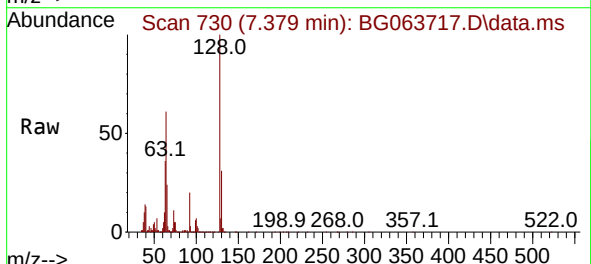
Ion	Ratio	Lower	Upper
93	100		
63	78.1	63.8	95.6
95	30.9	27.6	41.4

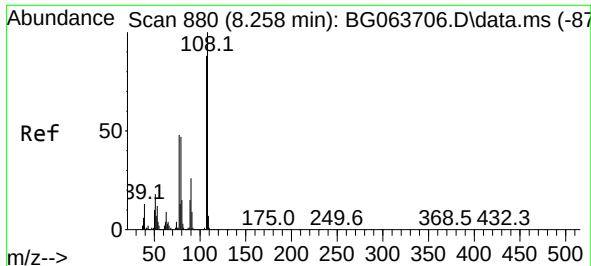


#12
 2-Chlorophenol
 Concen: 40.388 ng/ul
 RT: 7.379 min Scan# 730
 Delta R.T. -0.004 min
 Lab File: BG063717.D
 Acq: 18 Dec 2024 3:27

Tgt Ion: 128 Resp: 386337

Ion	Ratio	Lower	Upper
128	100		
64	61.1	48.9	73.3
130	31.4	24.2	36.2

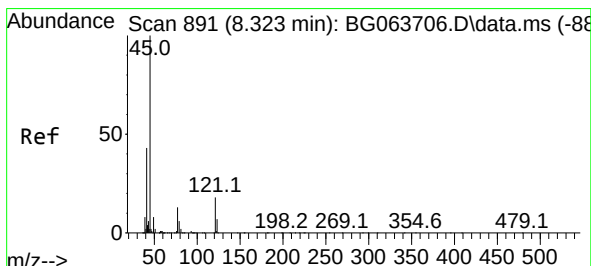
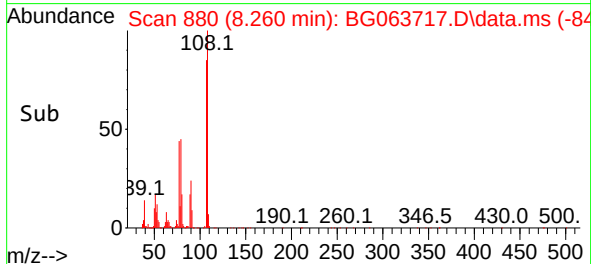
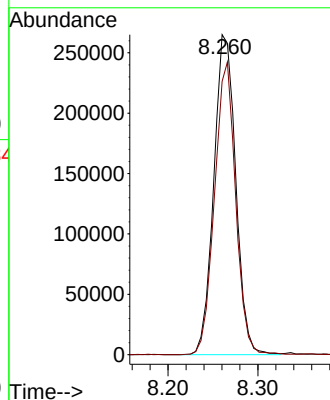
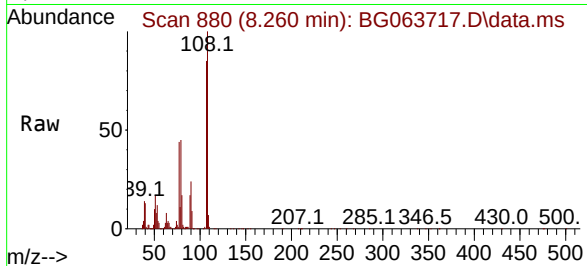




#13
2-Methylphenol
Concen: 40.008 ng/ul
RT: 8.260 min Scan# 880
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

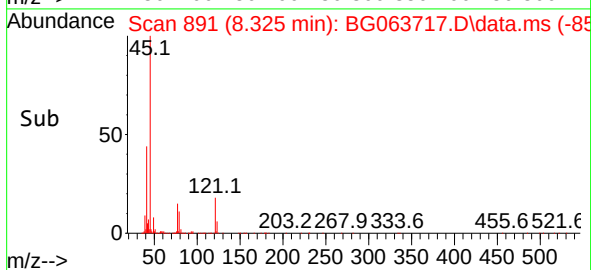
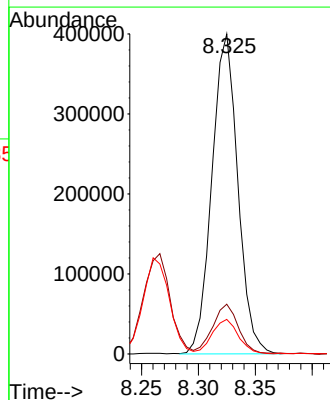
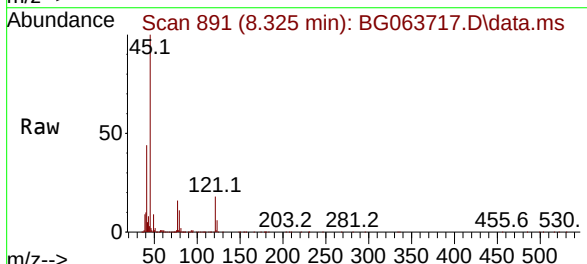
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ClientSampleId :
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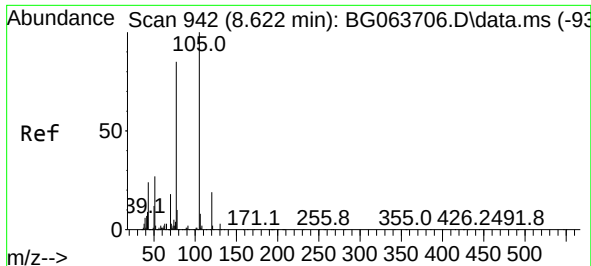
Tgt Ion:108 Resp: 449839
Ion Ratio Lower Upper
108 100
107 85.4 72.6 108.8



#14
2,2'-oxybis(1-Chloropropane)
Concen: 35.826 ng/ul
RT: 8.325 min Scan# 891
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion: 45 Resp: 633053
Ion Ratio Lower Upper
45 100
77 15.5 11.5 17.3
79 10.8 9.2 13.8

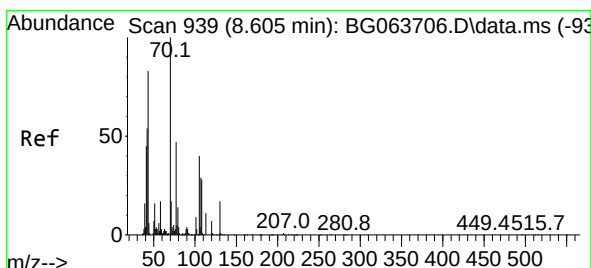
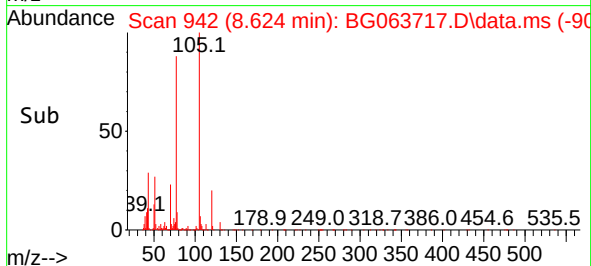
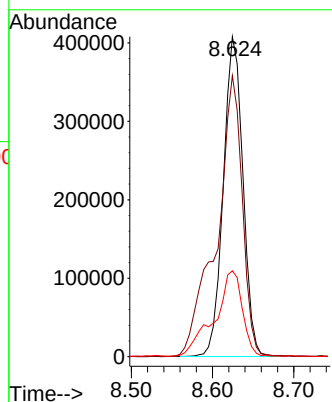
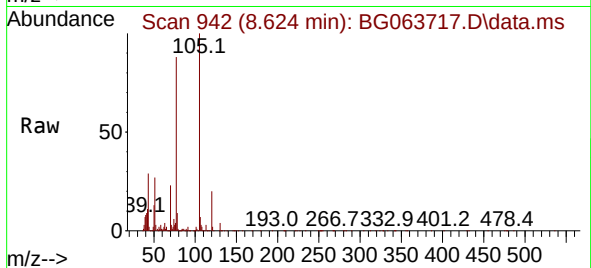




#16
Acetophenone
Concen: 35.640 ng/ul
RT: 8.624 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

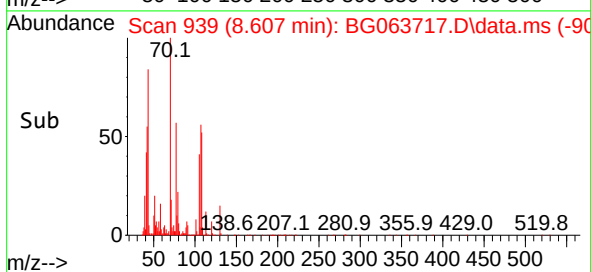
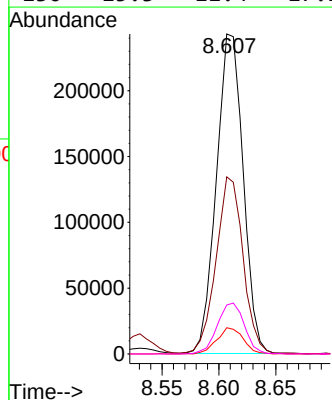
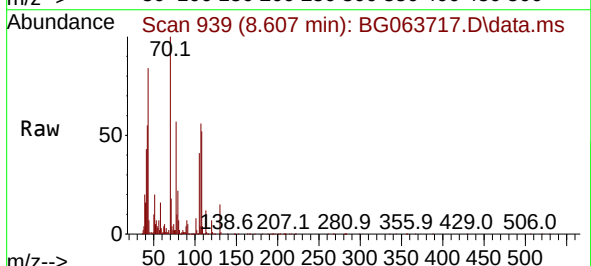
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

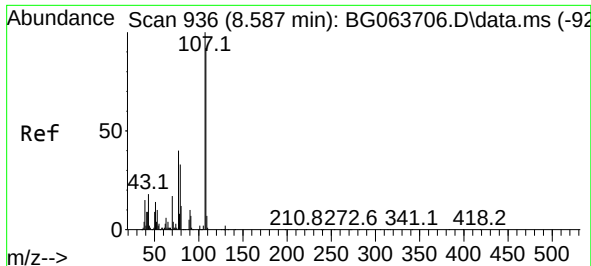
Tgt Ion:105 Resp: 685075
Ion Ratio Lower Upper
105 100
77 87.8 73.6 110.4
51 26.9 25.4 38.2



#17
N-Nitroso-di-n-propylamine
Concen: 34.725 ng/ul
RT: 8.607 min Scan# 939
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion: 70 Resp: 398277
Ion Ratio Lower Upper
70 100
42 55.3 47.4 71.0
101 8.2 6.1 9.1
130 15.3 11.4 17.2

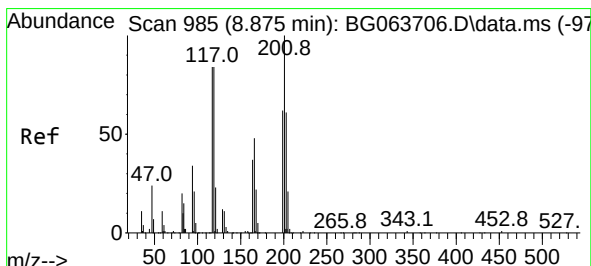
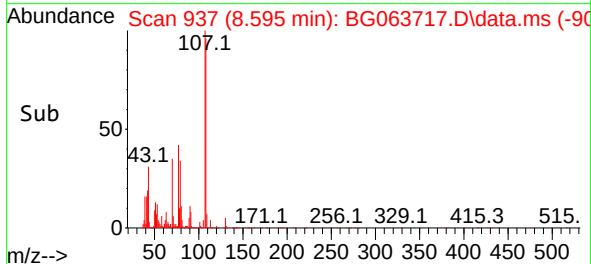
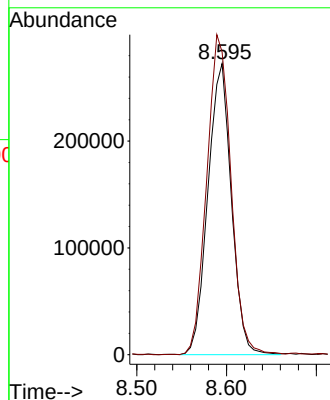
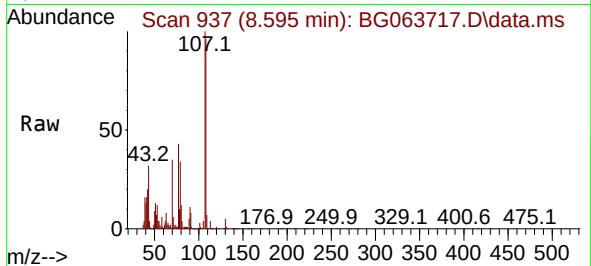




#18
4-Methylphenol
Concen: 40.238 ng/ul
RT: 8.595 min Scan# 91
Delta R.T. 0.008 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

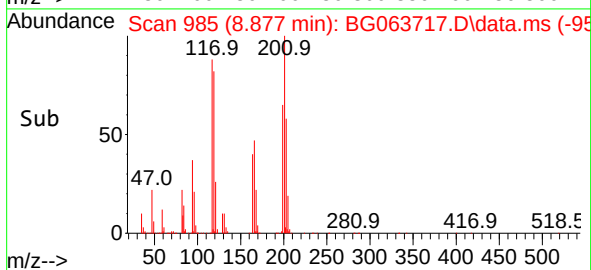
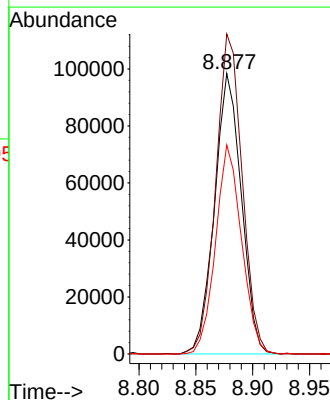
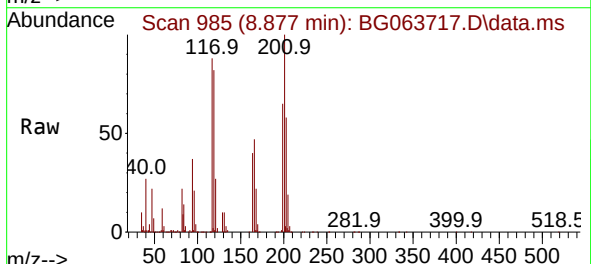
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

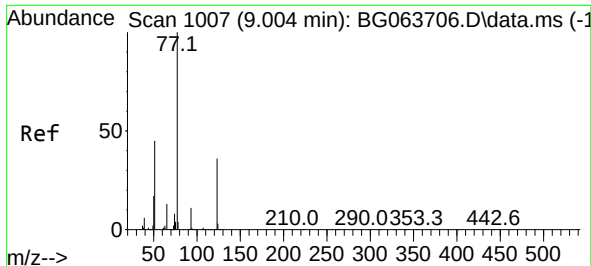
Tgt Ion:108 Resp: 495158
Ion Ratio Lower Upper
108 100
107 103.9 89.2 133.8



#19
Hexachloroethane
Concen: 34.399 ng/ul
RT: 8.877 min Scan# 985
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:117 Resp: 161685
Ion Ratio Lower Upper
117 100
201 114.1 86.8 130.2
199 74.5 59.4 89.2

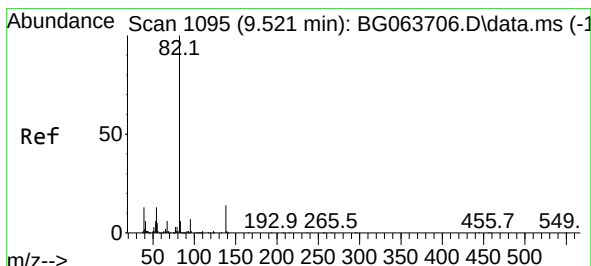
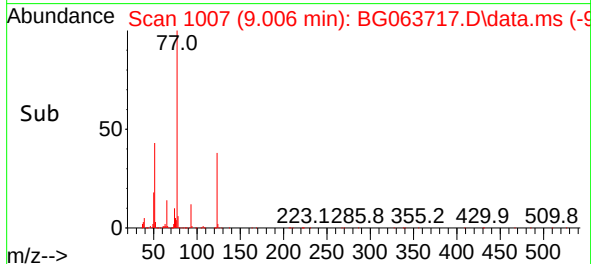
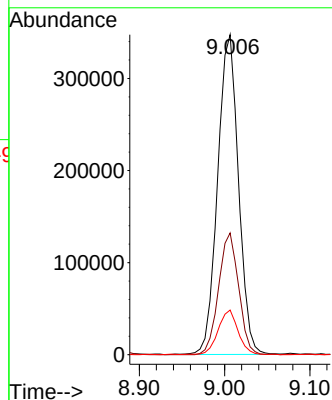
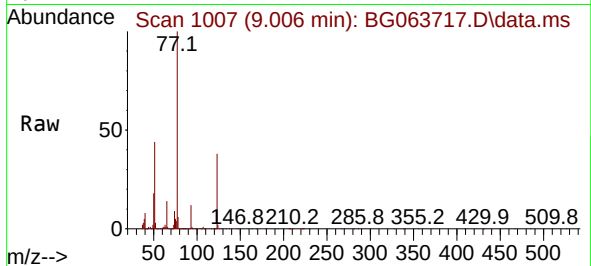




#22
Nitrobenzene
Concen: 35.827 ng/ul
RT: 9.006 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

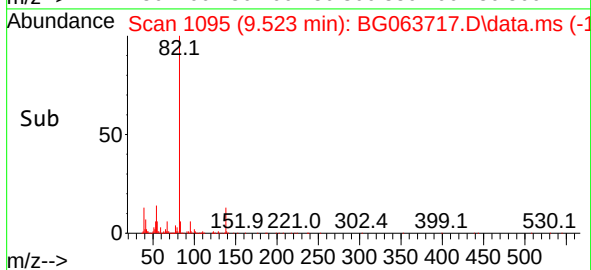
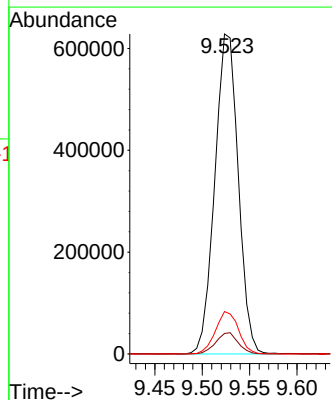
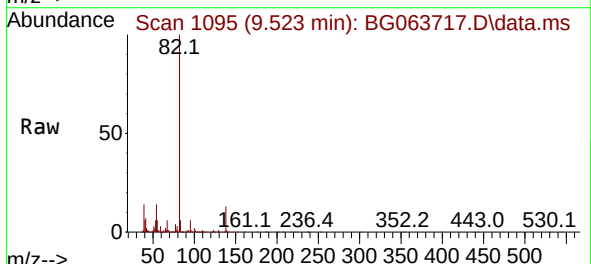
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

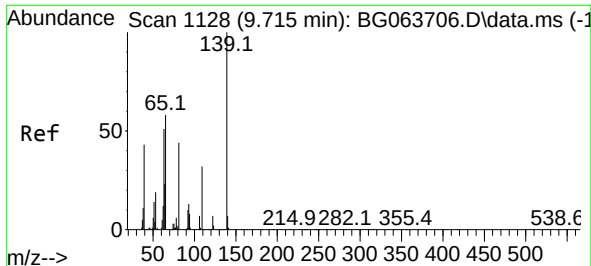
Tgt Ion: 77 Resp: 589509
Ion Ratio Lower Upper
77 100
123 38.1 27.0 40.4
65 14.0 10.8 16.2



#23
Isophorone
Concen: 34.741 ng/ul
RT: 9.523 min Scan# 1095
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion: 82 Resp: 1080088
Ion Ratio Lower Upper
82 100
95 6.4 5.8 8.6
138 13.2 10.3 15.5

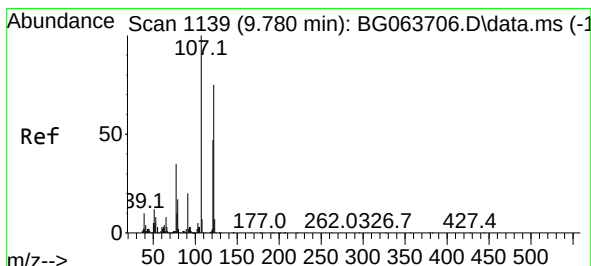
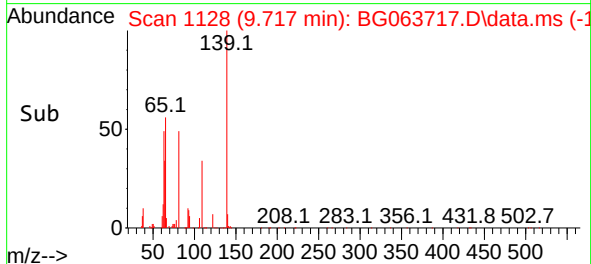
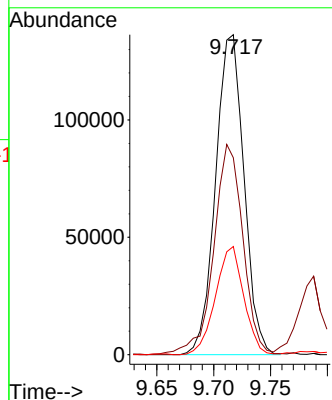
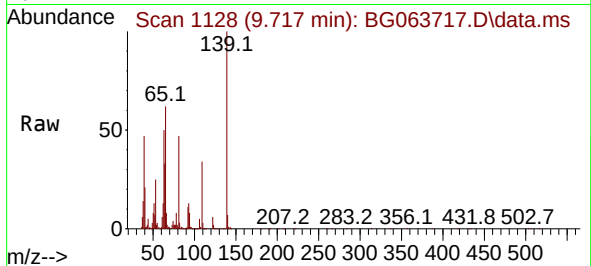




#25
2-Nitrophenol
Concen: 41.694 ng/ul
RT: 9.717 min Scan# 1114
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

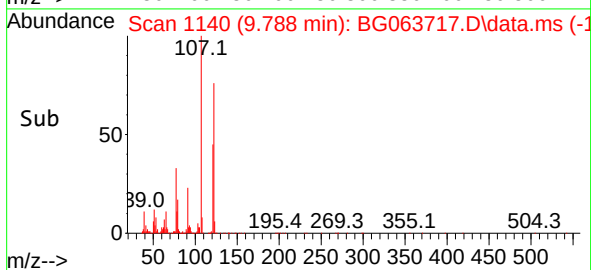
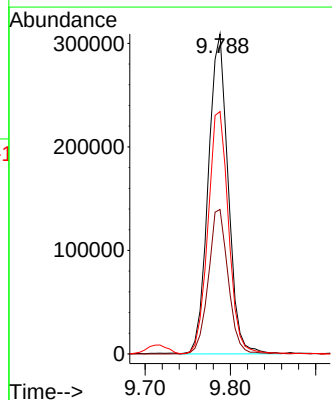
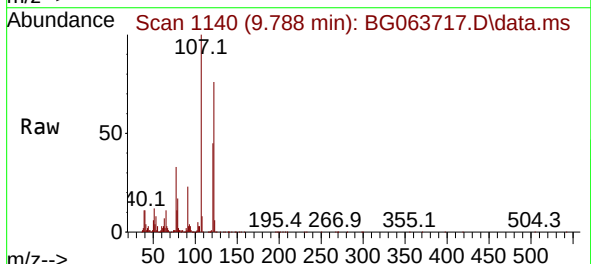
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

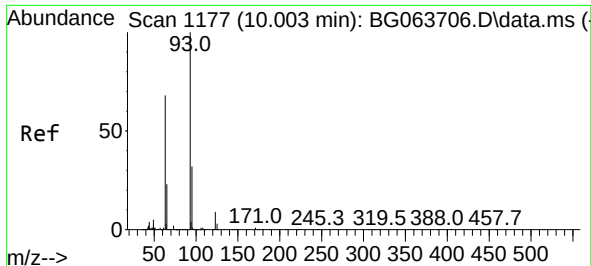
Tgt Ion:139 Resp: 236676
Ion Ratio Lower Upper
139 100
65 61.5 62.2 93.2#
109 33.8 26.9 40.3



#26
2,4-Dimethylphenol
Concen: 38.739 ng/ul
RT: 9.788 min Scan# 1140
Delta R.T. 0.002 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:107 Resp: 498989
Ion Ratio Lower Upper
107 100
121 45.2 38.4 57.6
122 75.7 61.8 92.8





#27

Bis(2-Chloroethoxy)methane

Concen: 35.764 ng/ul

RT: 10.005 min Scan# 1177

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

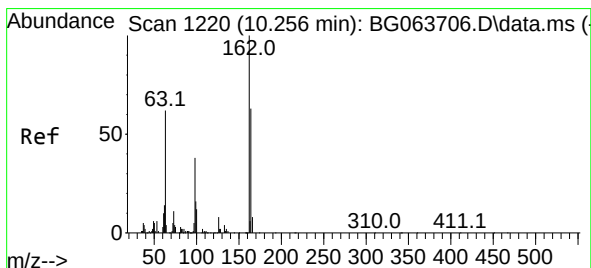
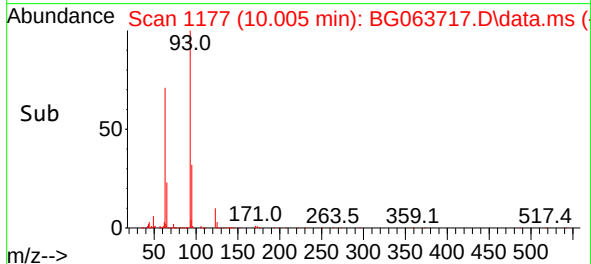
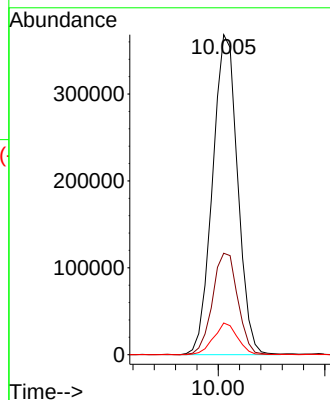
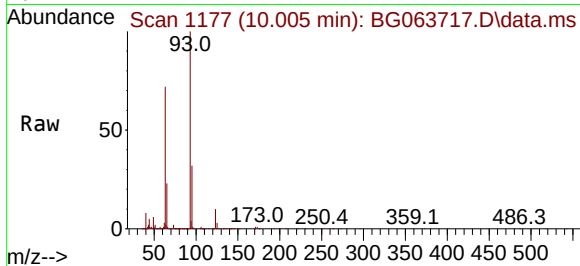
Tgt Ion: 93 Resp: 601386

Ion Ratio Lower Upper

93 100

95 31.7 23.5 35.3

123 9.9 6.2 9.4#



#29

2,4-Dichlorophenol

Concen: 42.083 ng/ul

RT: 10.258 min Scan# 1220

Delta R.T. 0.002 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

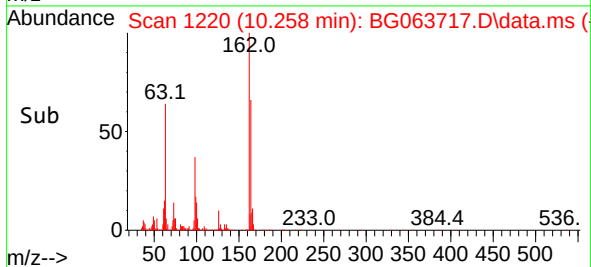
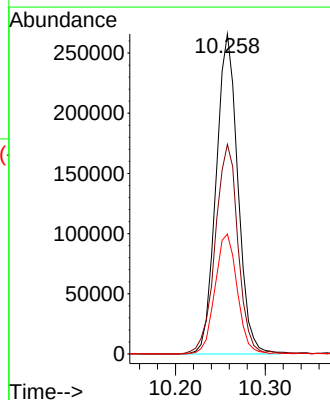
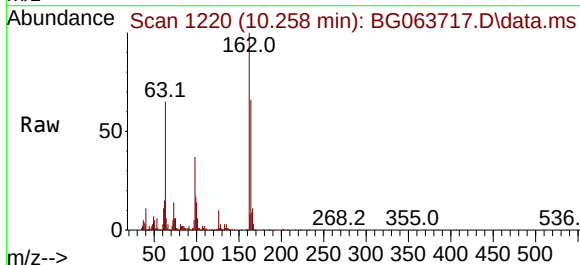
Tgt Ion:162 Resp: 447157

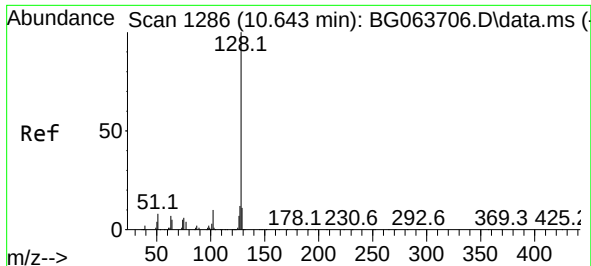
Ion Ratio Lower Upper

162 100

164 65.5 53.0 79.4

98 37.5 33.0 49.6

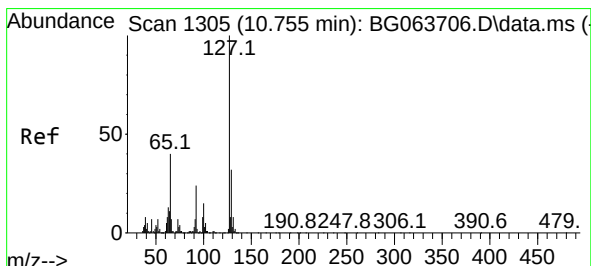
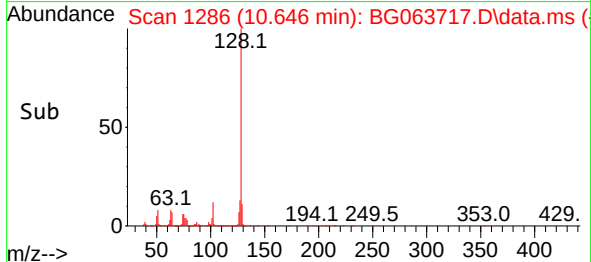
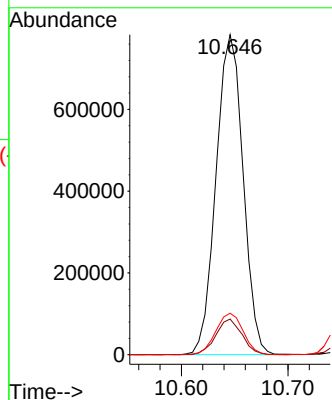
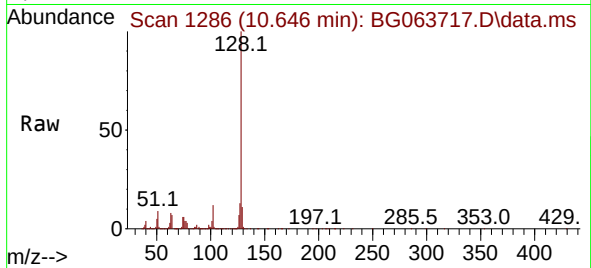




#30
Naphthalene
Concen: 39.966 ng/ul
RT: 10.646 min Scan# 1286
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

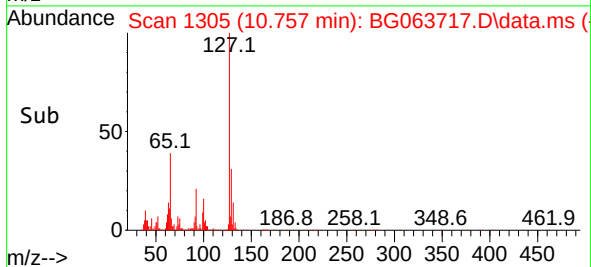
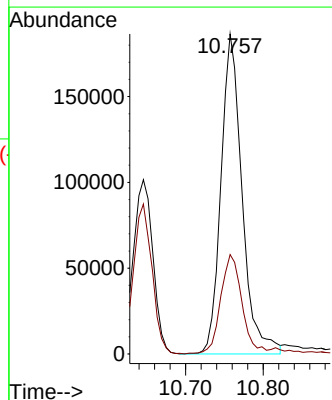
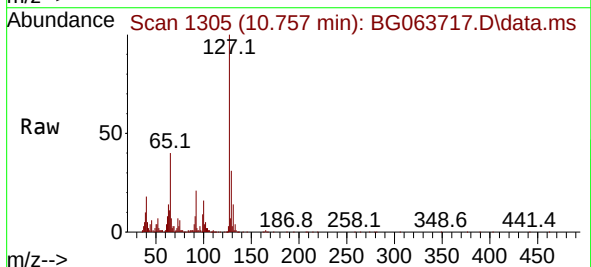
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

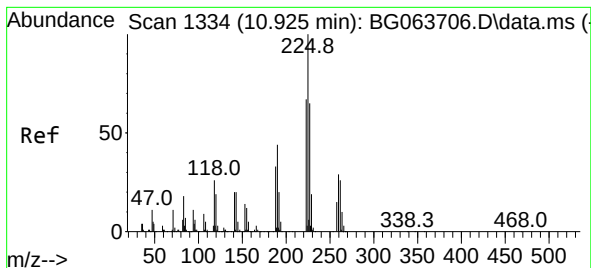
Tgt Ion:128 Resp: 1378949
Ion Ratio Lower Upper
128 100
129 11.2 8.2 12.2
127 13.0 9.8 14.8



#32
4-Chloroaniline
Concen: 27.362 ng/ul
RT: 10.757 min Scan# 1305
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:127 Resp: 353486
Ion Ratio Lower Upper
127 100
129 31.1 24.5 36.7





#33

Hexachlorobutadiene

Concen: 33.824 ng/ul

RT: 10.928 min Scan# 11

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

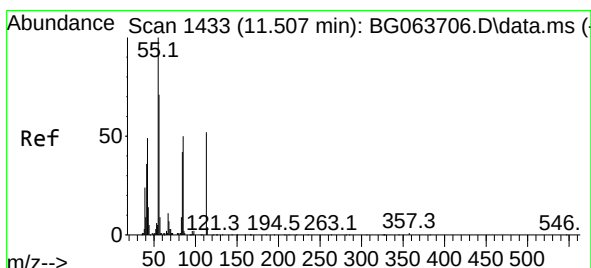
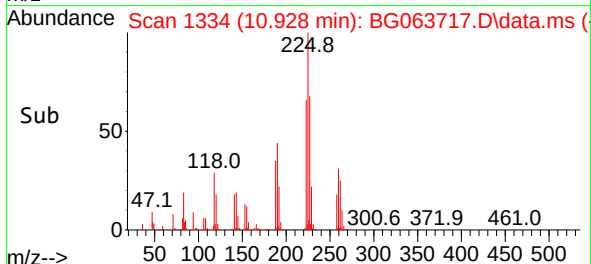
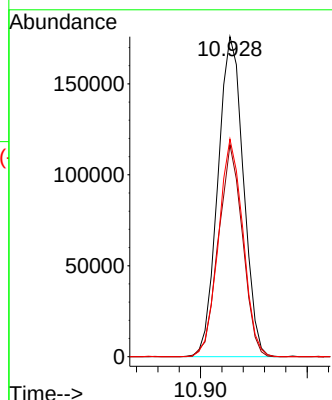
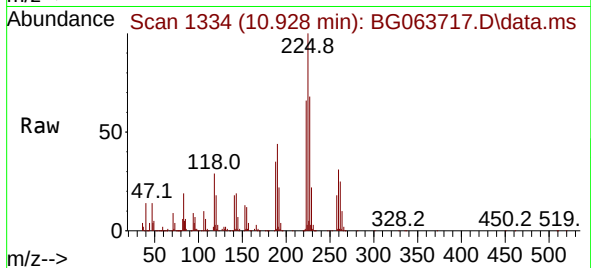
Tgt Ion:225 Resp: 291988

Ion Ratio Lower Upper

225 100

223 66.2 51.2 76.8

227 68.0 51.1 76.7



#34

Caprolactam

Concen: 42.981 ng/ul m

RT: 11.527 min Scan# 1436

Delta R.T. 0.019 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

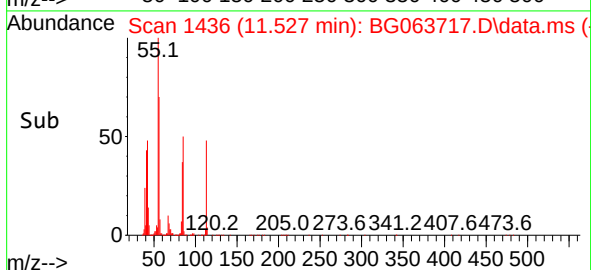
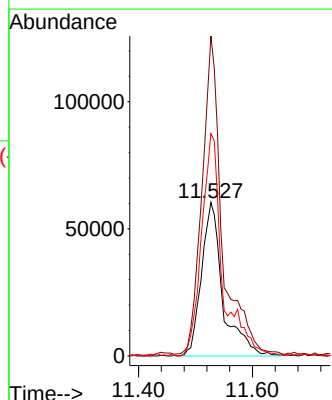
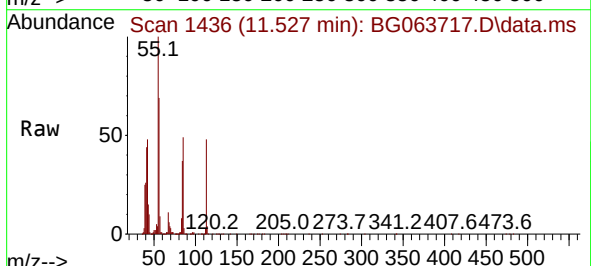
Tgt Ion:113 Resp: 157873

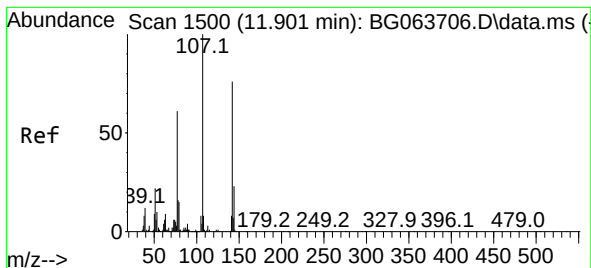
Ion Ratio Lower Upper

113 100

55 208.6 162.3 243.5

56 145.0 107.1 160.7

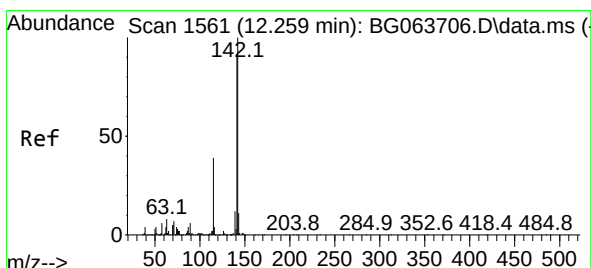
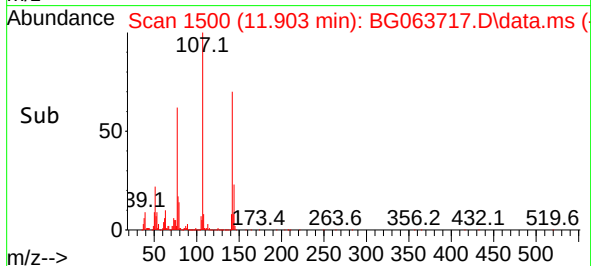
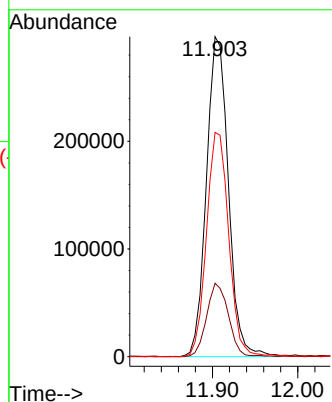
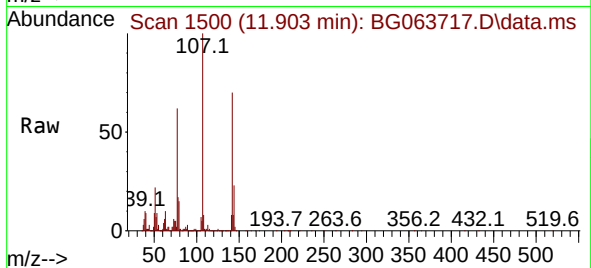




#35
4-Chloro-3-methylphenol
Concen: 42.655 ng/ul
RT: 11.903 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

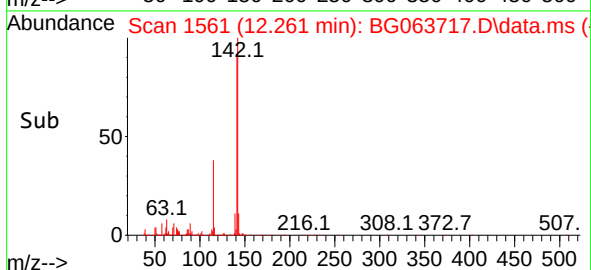
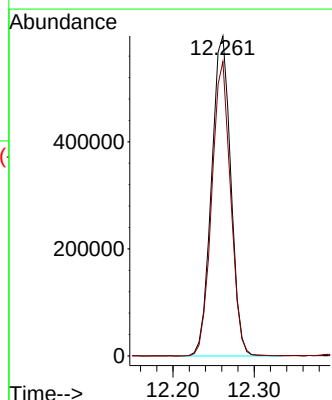
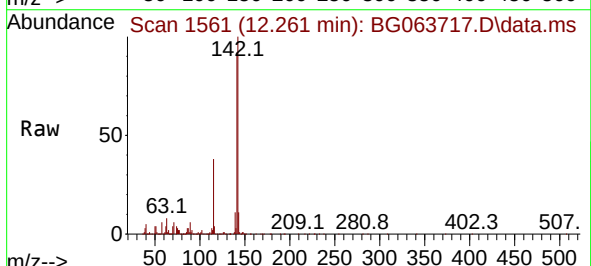
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

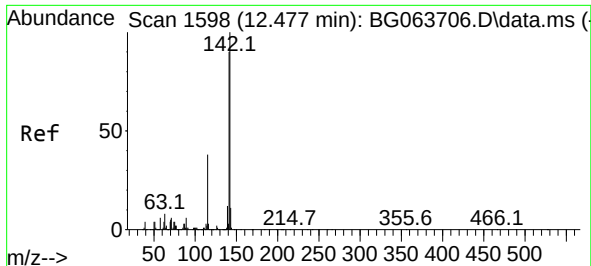
Tgt Ion:107 Resp: 532117
Ion Ratio Lower Upper
107 100
144 22.9 16.3 24.5
142 70.1 55.0 82.4



#36
2-Methylnaphthalene
Concen: 39.709 ng/ul
RT: 12.261 min Scan# 1561
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:142 Resp: 984699
Ion Ratio Lower Upper
142 100
141 92.0 69.5 104.3





#37

1-Methylnaphthalene

Concen: 38.758 ng/ul

RT: 12.479 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

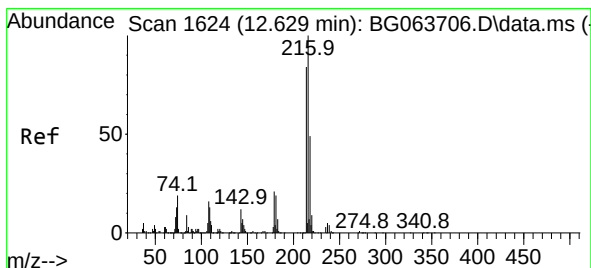
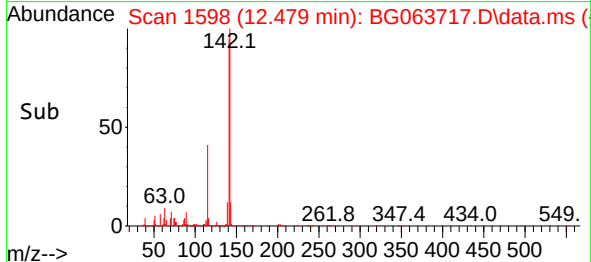
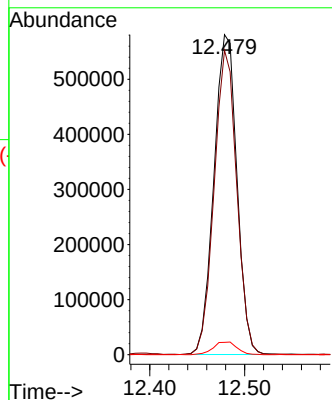
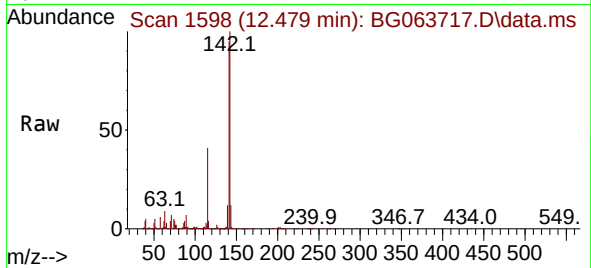
Tgt Ion:142 Resp: 978995

Ion Ratio Lower Upper

142 100

141 95.1 73.8 110.6

116 3.8 3.5 5.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.462 ng/ul

RT: 12.632 min Scan# 1624

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Tgt Ion:216 Resp: 607160

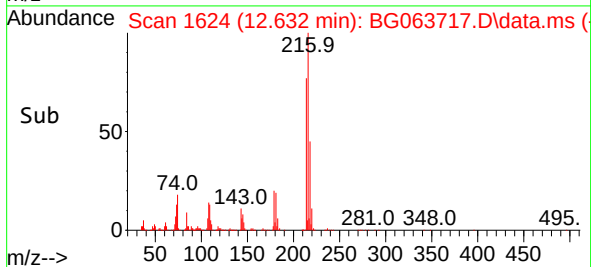
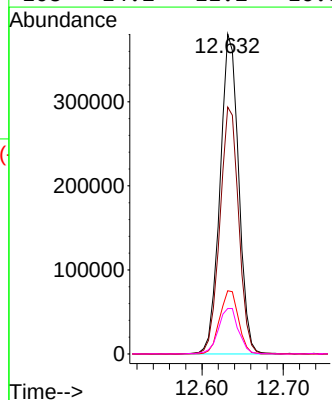
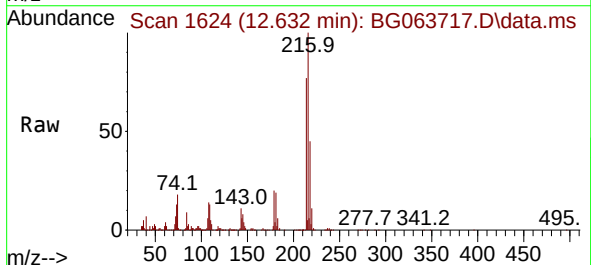
Ion Ratio Lower Upper

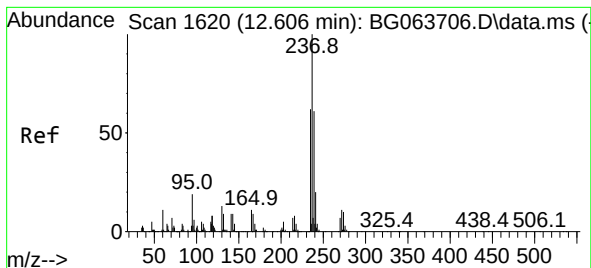
216 100

214 77.2 62.6 93.8

179 19.8 16.5 24.7

108 14.2 11.2 16.8





#40

Hexachlorocyclopentadiene

Concen: 7.298 ng/ul

RT: 12.608 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

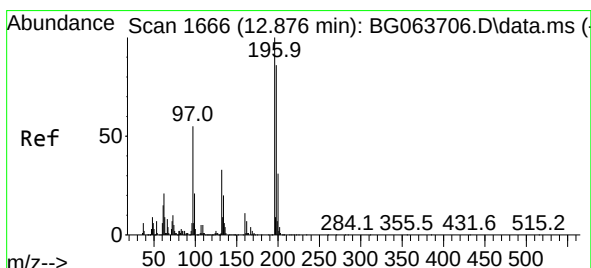
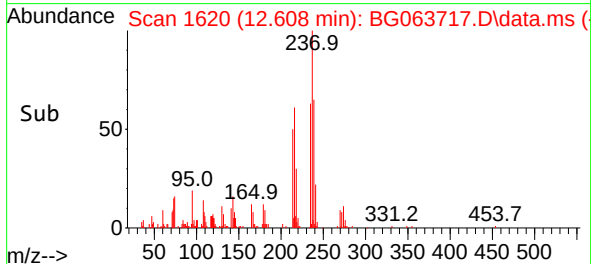
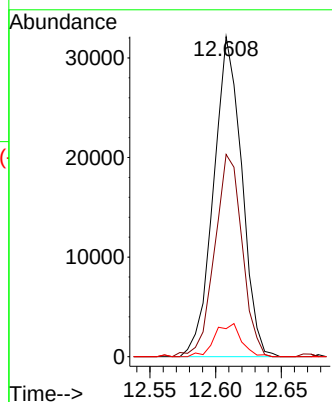
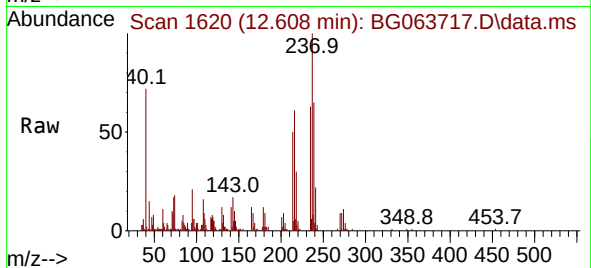
Tgt Ion:237 Resp: 48041

Ion Ratio Lower Upper

237 100

235 63.2 51.0 76.6

272 8.7 9.7 14.5#



#41

2,4,6-Trichlorophenol

Concen: 41.996 ng/ul

RT: 12.884 min Scan# 1667

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

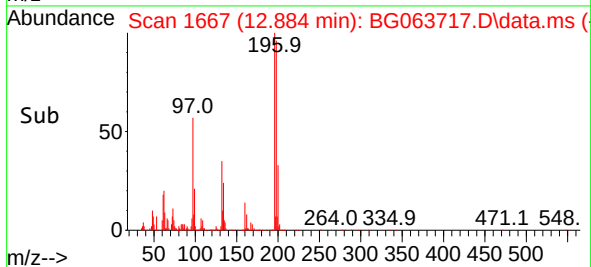
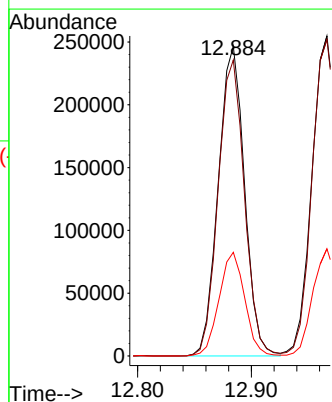
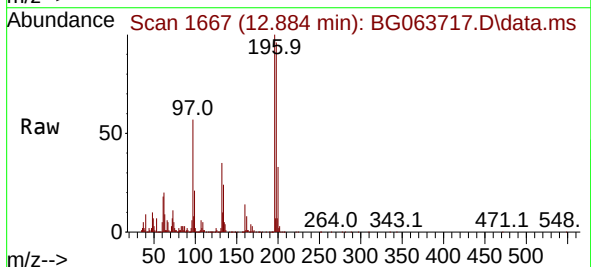
Tgt Ion:196 Resp: 395240

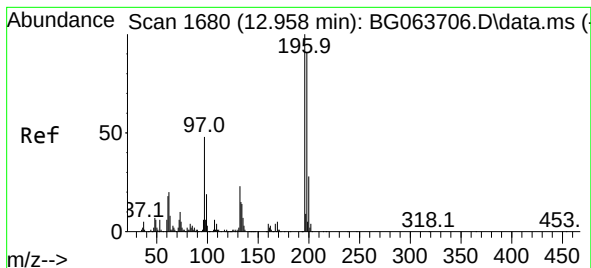
Ion Ratio Lower Upper

196 100

198 95.6 72.4 108.6

200 33.5 22.5 33.7

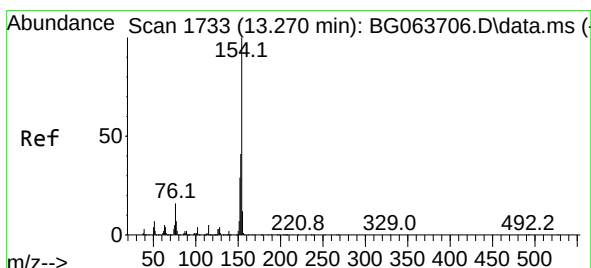
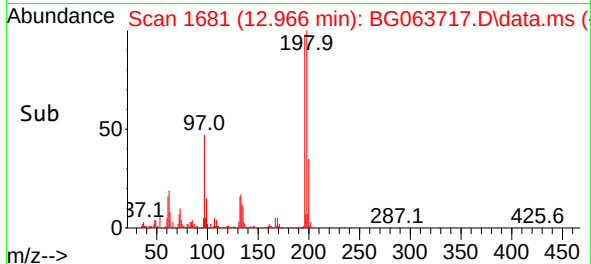
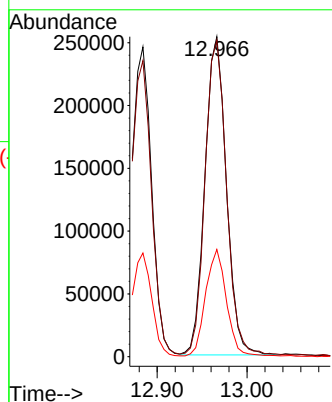
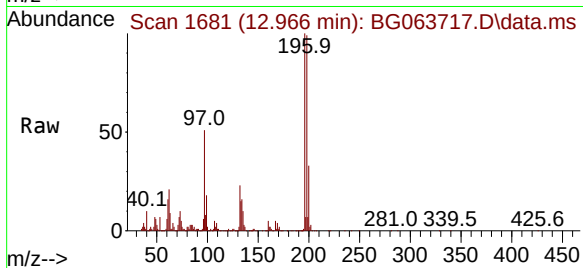




#42
2,4,5-Trichlorophenol
Concen: 42.860 ng/ul
RT: 12.966 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

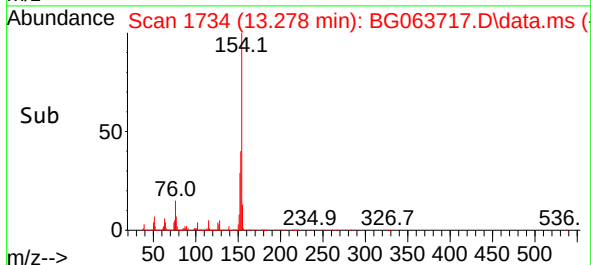
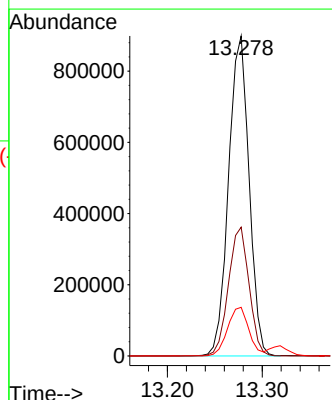
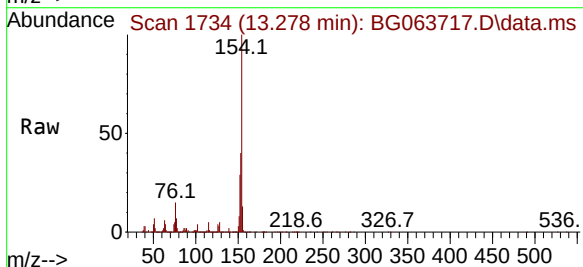
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

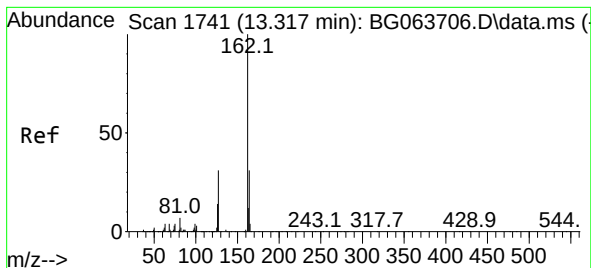
Tgt Ion:196 Resp: 420977
Ion Ratio Lower Upper
196 100
198 98.9 74.2 111.4
200 33.5 23.5 35.3



#43
1,1'-Biphenyl
Concen: 39.269 ng/ul
RT: 13.278 min Scan# 1734
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:154 Resp: 1347087
Ion Ratio Lower Upper
154 100
153 40.3 35.1 52.7
76 15.2 13.4 20.2





#44

2-Chloronaphthalene

Concen: 38.958 ng/ul

RT: 13.319 min Scan# 1741

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

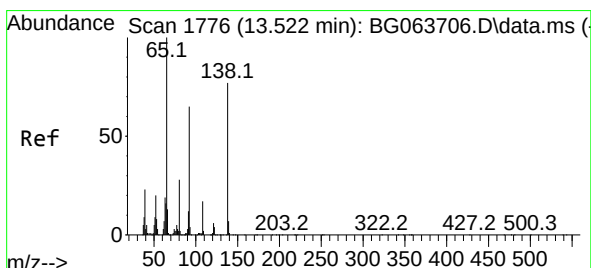
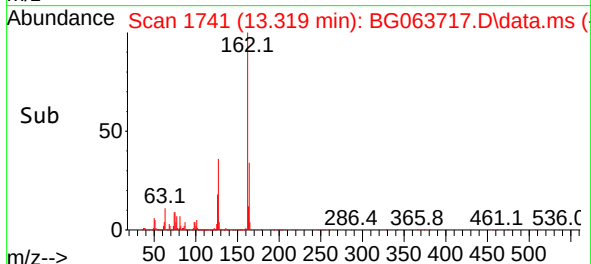
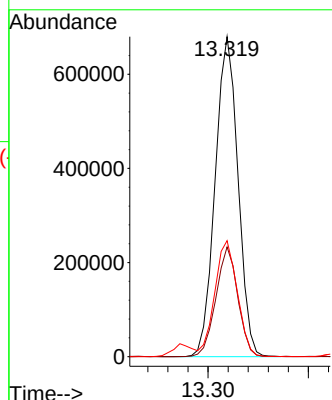
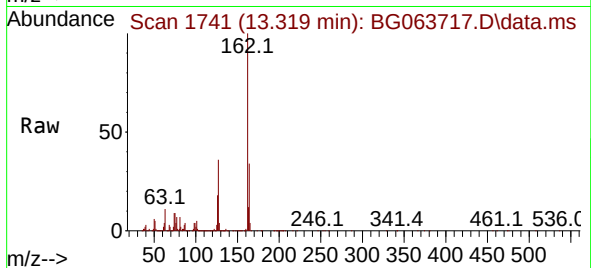
Tgt Ion:162 Resp: 1073146

Ion Ratio Lower Upper

162 100

164 34.3 25.2 37.8

127 36.3 29.2 43.8



#45

2-Nitroaniline

Concen: 45.801 ng/ul

RT: 13.530 min Scan# 1777

Delta R.T. 0.002 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

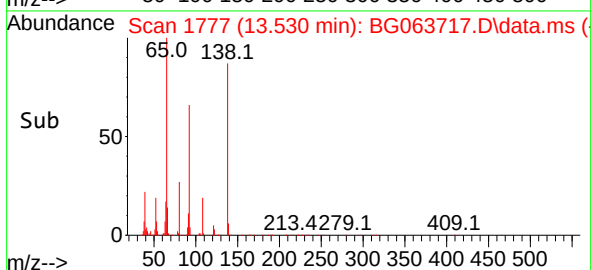
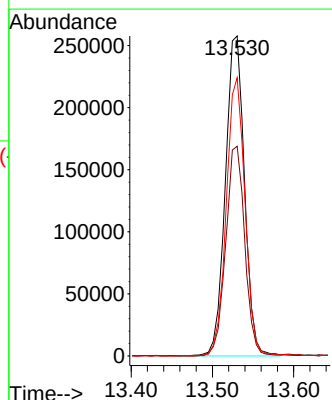
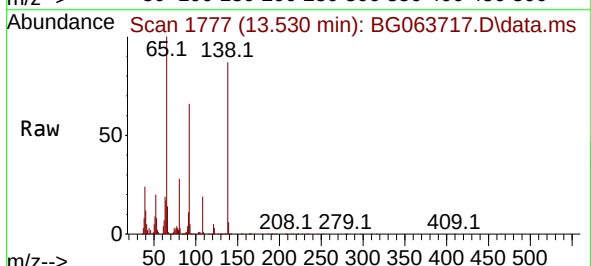
Tgt Ion: 65 Resp: 422606

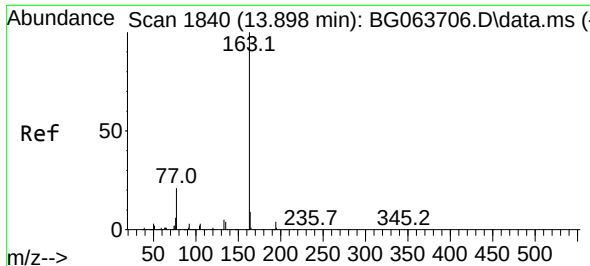
Ion Ratio Lower Upper

65 100

92 65.6 49.5 74.3

138 87.0 61.8 92.8

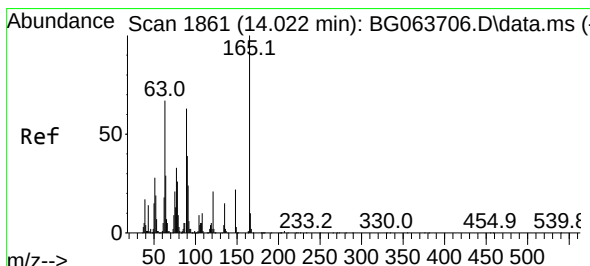
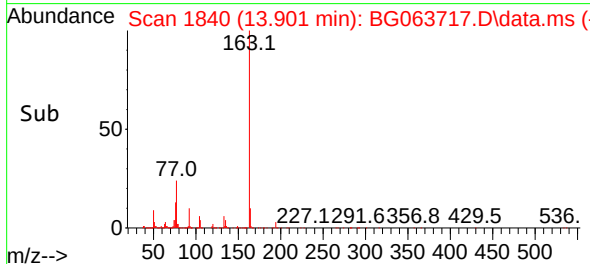
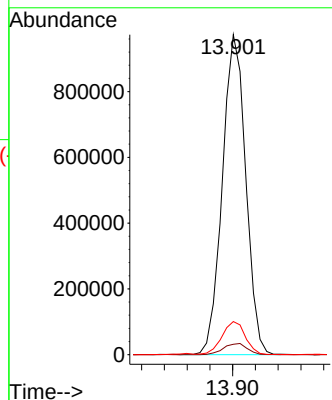
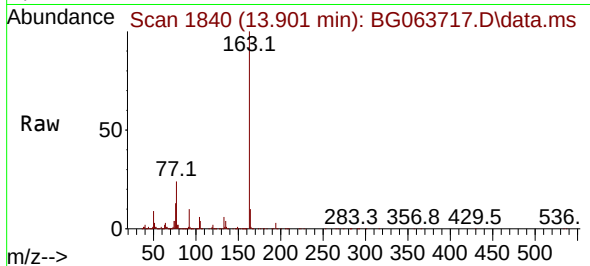




#47
Dimethylphthalate
Concen: 39.235 ng/ul
RT: 13.901 min Scan# 1840
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

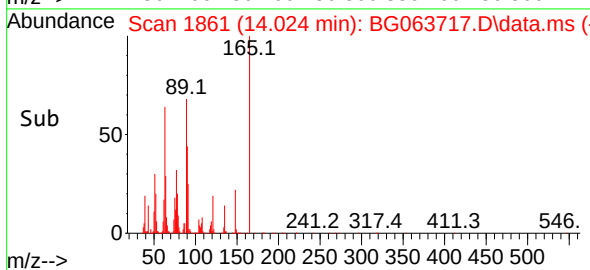
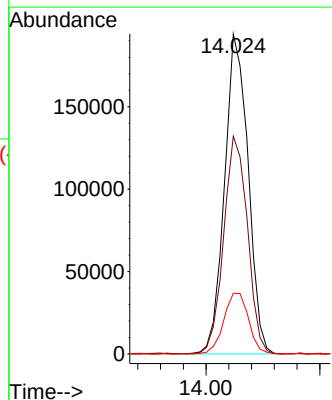
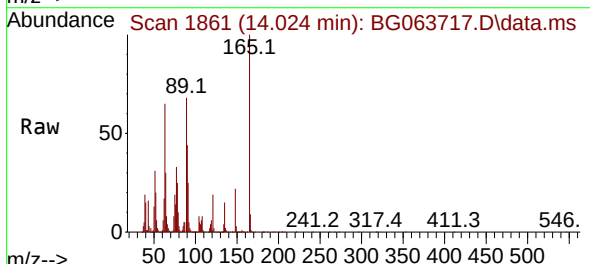
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

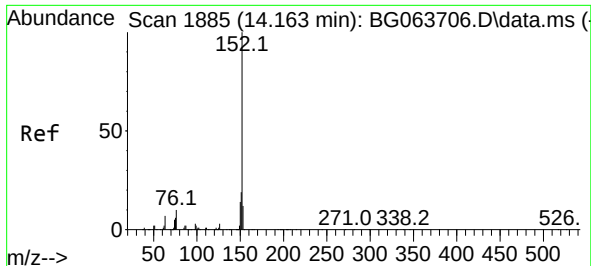
Tgt Ion:163 Resp: 1391767
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.4 8.8 13.2



#48
2,6-Dinitrotoluene
Concen: 42.439 ng/ul
RT: 14.024 min Scan# 1861
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:165 Resp: 279590
Ion Ratio Lower Upper
165 100
89 68.0 59.4 89.2
121 19.0 20.8 31.2#

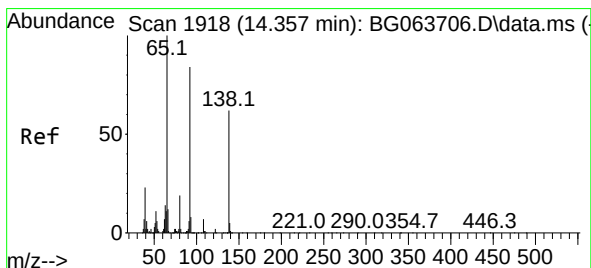
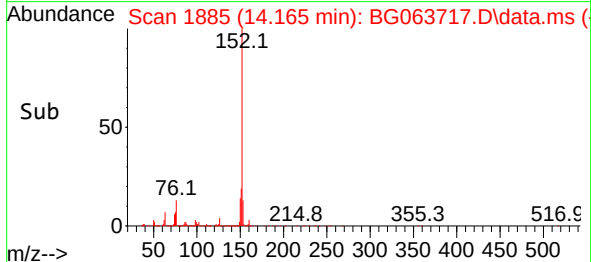
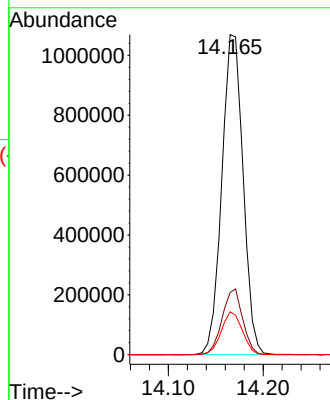
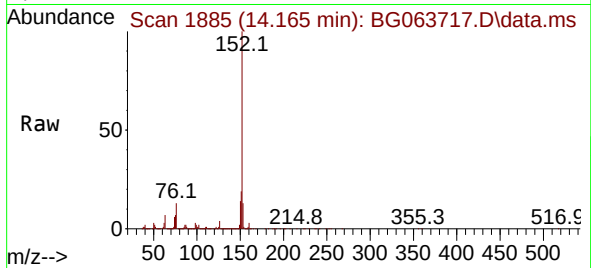




#50
Acenaphthylene
Concen: 38.604 ng/ul
RT: 14.165 min Scan# 1885
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

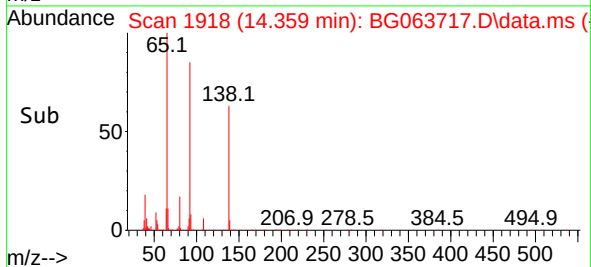
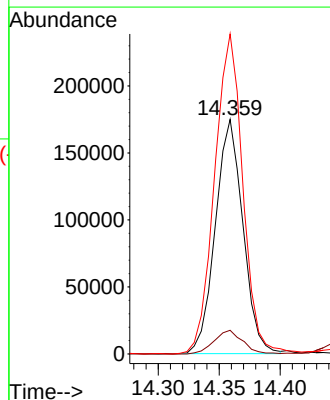
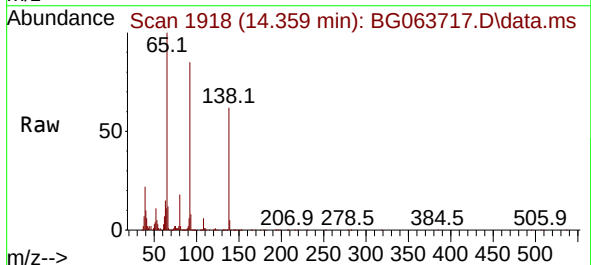
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

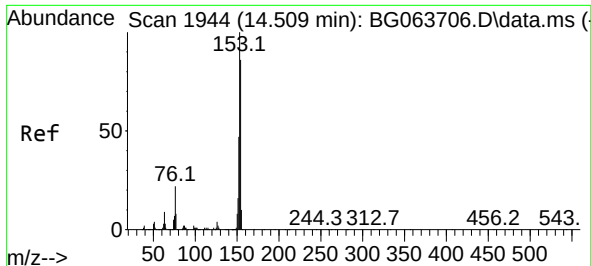
Tgt Ion:152 Resp: 1670126
Ion Ratio Lower Upper
152 100
151 19.5 14.6 22.0
153 13.4 10.0 15.0



#51
3-Nitroaniline
Concen: 45.161 ng/ul
RT: 14.359 min Scan# 1918
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:138 Resp: 275080
Ion Ratio Lower Upper
138 100
108 10.1 8.4 12.6
92 136.5 120.4 180.6

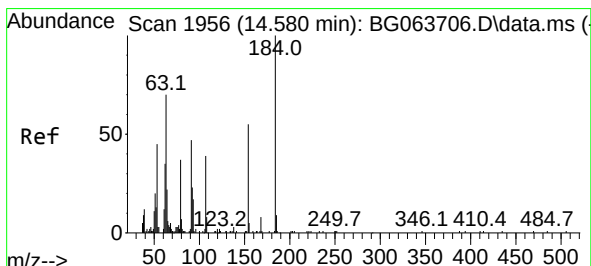
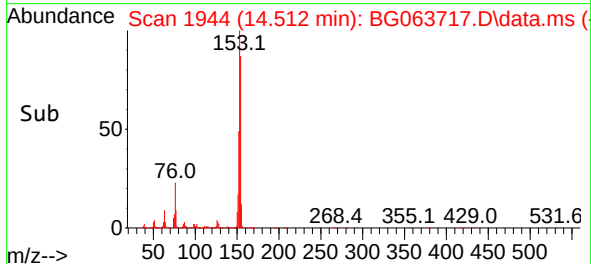
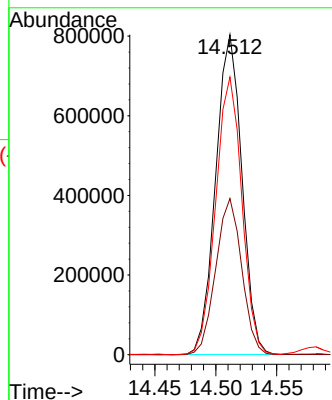
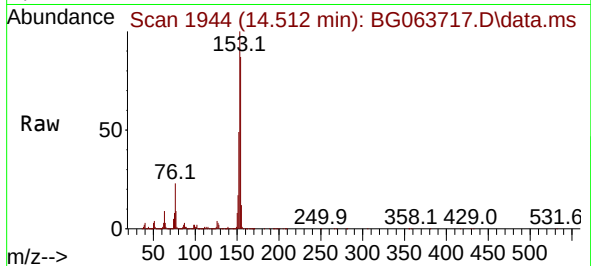




#52
Acenaphthene
Concen: 39.248 ng/ul
RT: 14.512 min Scan# 1944
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

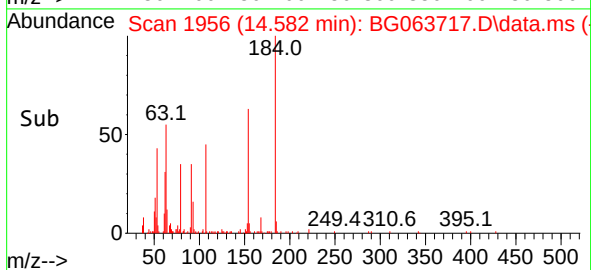
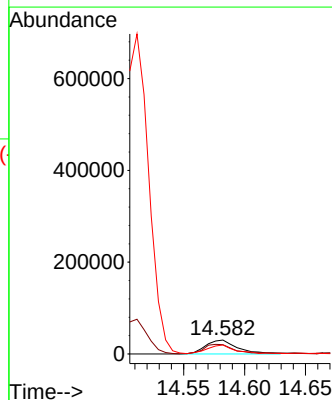
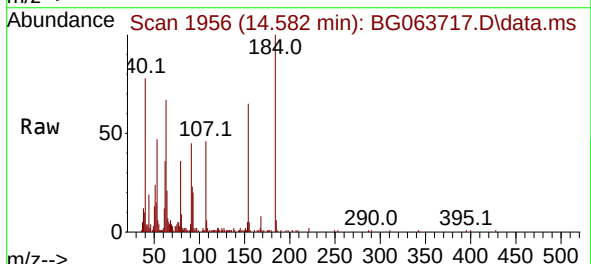
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

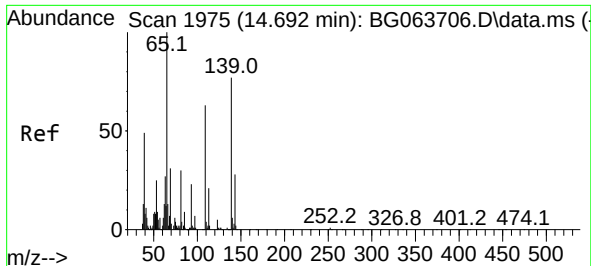
Tgt Ion:153 Resp: 1203495
Ion Ratio Lower Upper
153 100
152 48.8 40.2 60.4
154 86.8 70.8 106.2



#53
2,4-Dinitrophenol
Concen: 16.404 ng/ul
RT: 14.582 min Scan# 1956
Delta R.T. 0.002 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:184 Resp: 55228
Ion Ratio Lower Upper
184 100
63 66.8 52.1 78.1
154 65.0 47.8 71.6

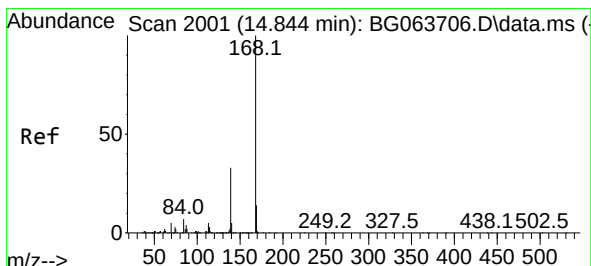
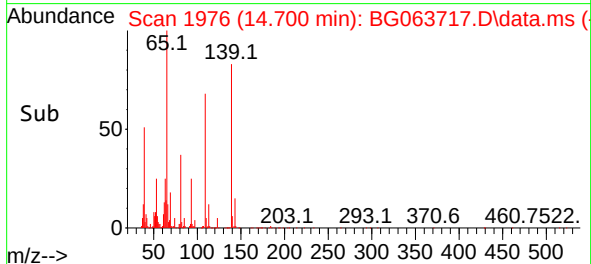
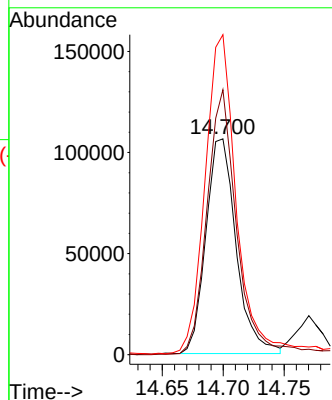
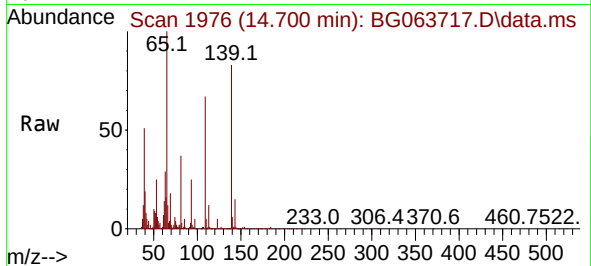




#55
4-Nitrophenol
Concen: 35.253 ng/ul
RT: 14.700 min Scan# 1975
Delta R.T. 0.014 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

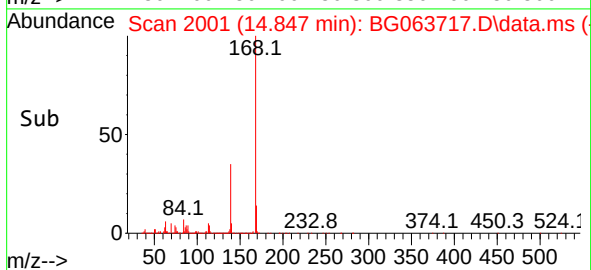
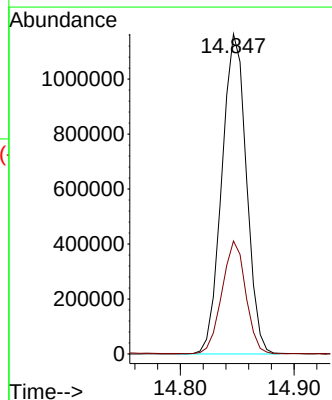
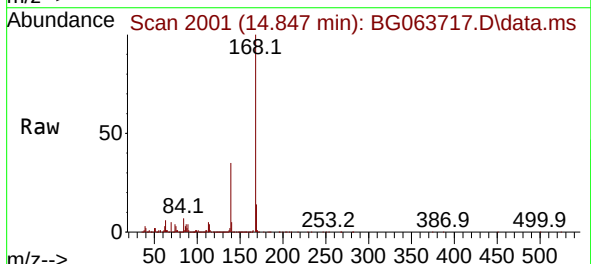
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

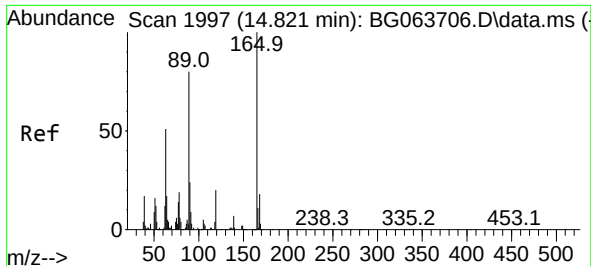
Tgt Ion:109 Resp: 183575
Ion Ratio Lower Upper
109 100
139 122.7 86.4 129.6
65 148.2 127.0 190.4



#56
Dibenzofuran
Concen: 40.410 ng/ul
RT: 14.847 min Scan# 2001
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:168 Resp: 1746958
Ion Ratio Lower Upper
168 100
139 35.3 27.8 41.8





#57

2,4-Dinitrotoluene

Concen: 43.647 ng/ul

RT: 14.823 min Scan# 1997

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

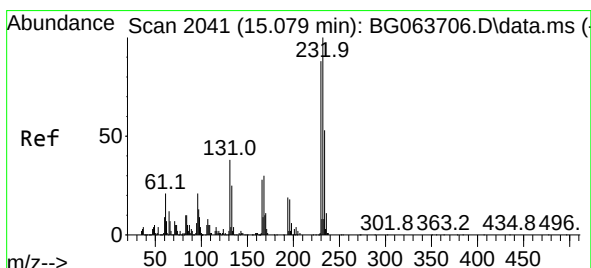
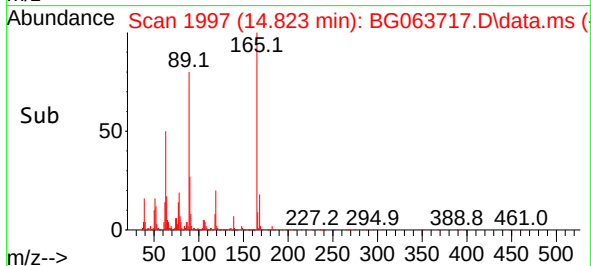
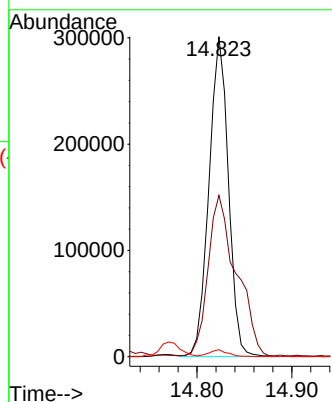
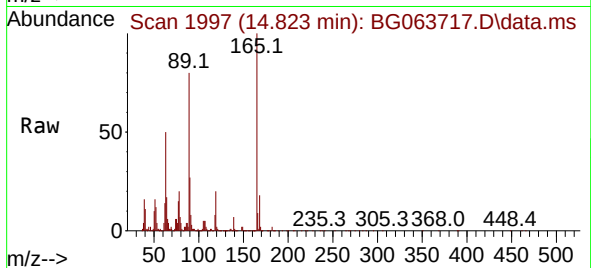
Tgt Ion:165 Resp: 427268

Ion Ratio Lower Upper

165 100

63 50.4 45.0 67.4

182 2.2 1.8 2.8



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.164 ng/ul

RT: 15.087 min Scan# 2042

Delta R.T. 0.002 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Tgt Ion:232 Resp: 365456

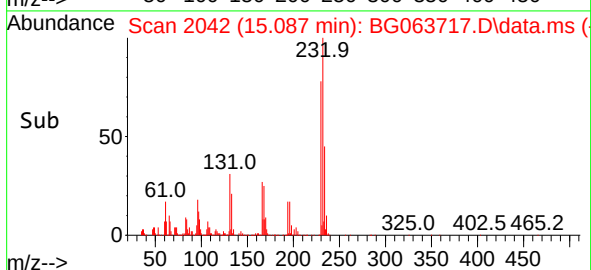
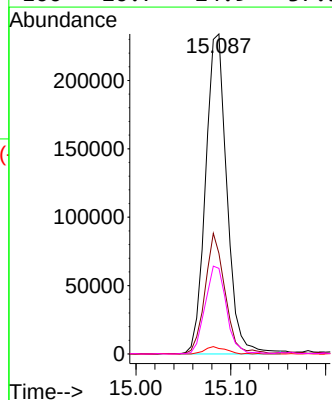
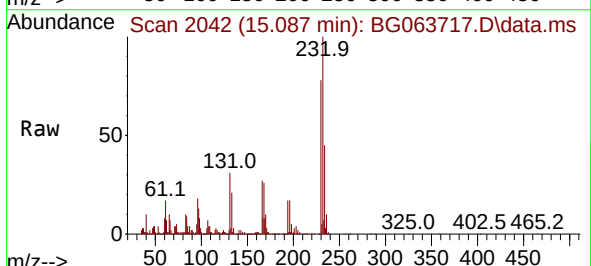
Ion Ratio Lower Upper

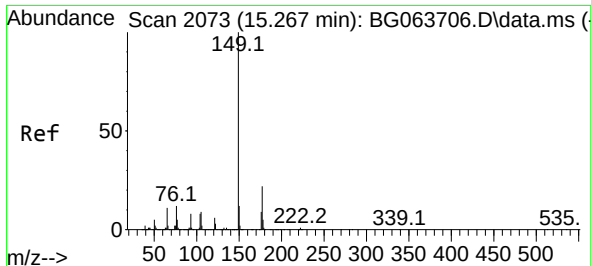
232 100

131 31.4 30.3 45.5

130 1.7 1.8 2.6#

166 26.7 24.9 37.3





#59

Diethylphthalate

Concen: 39.910 ng/ul

RT: 15.270 min Scan# 2073

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

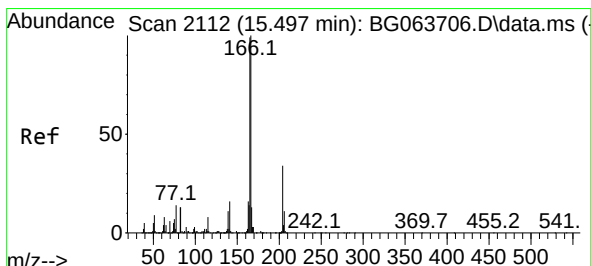
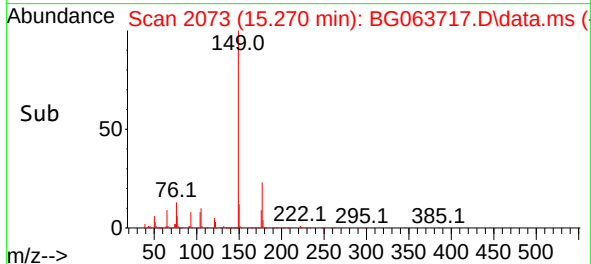
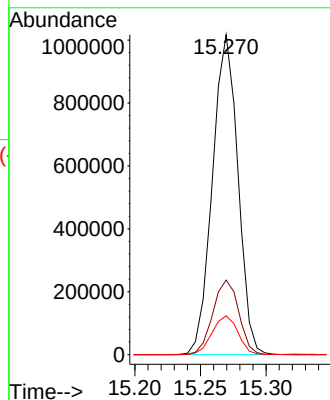
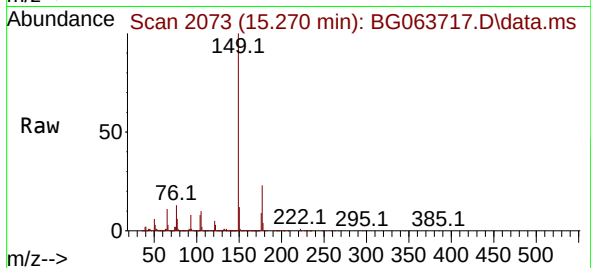
Tgt Ion:149 Resp: 1368611

Ion Ratio Lower Upper

149 100

177 23.3 17.6 26.4

150 12.1 9.0 13.4



#61

Fluorene

Concen: 39.081 ng/ul

RT: 15.499 min Scan# 2112

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

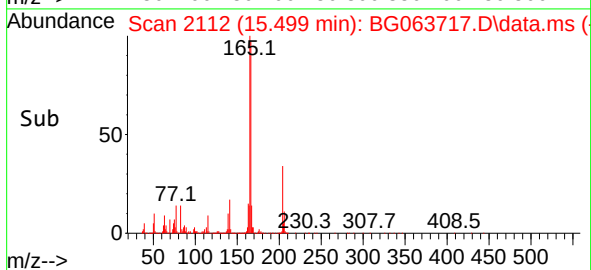
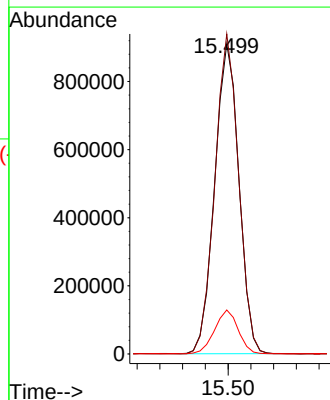
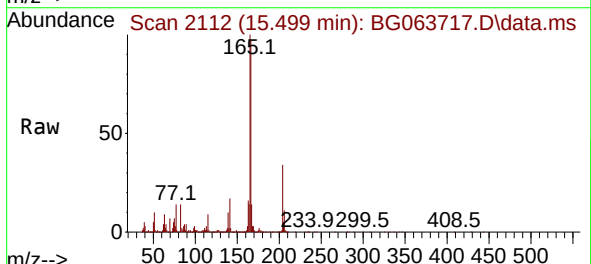
Tgt Ion:166 Resp: 1349094

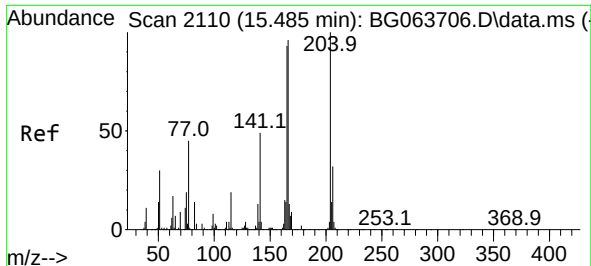
Ion Ratio Lower Upper

166 100

165 103.2 81.9 122.9

167 14.2 11.4 17.0

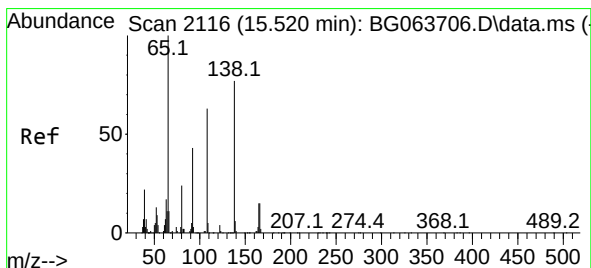
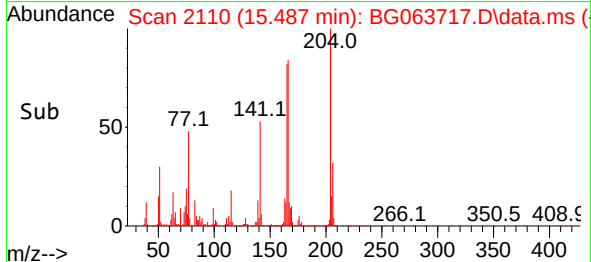
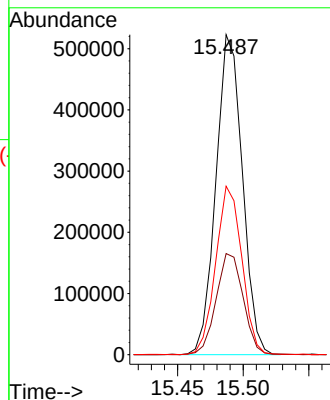
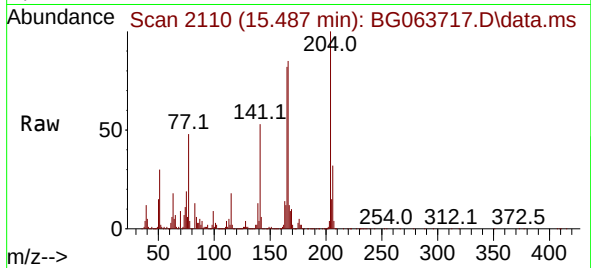




#62
4-Chlorophenyl-phenylether
Concen: 38.079 ng/ul
RT: 15.487 min Scan# 2110
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

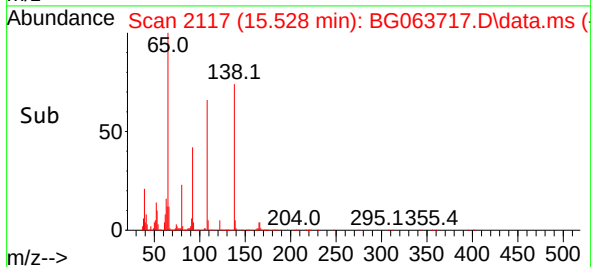
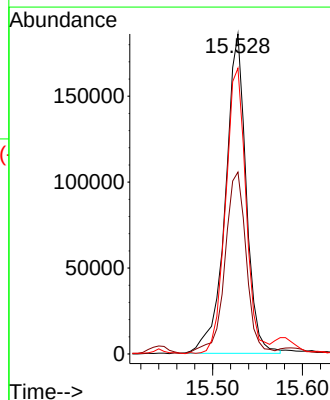
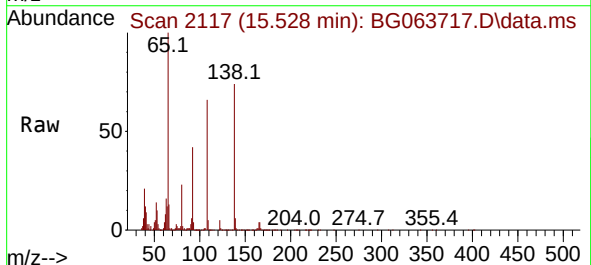
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

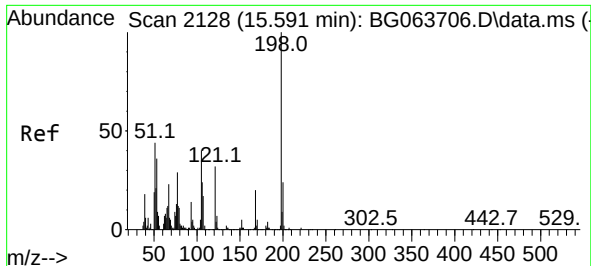
Tgt Ion:204 Resp: 732327
Ion Ratio Lower Upper
204 100
206 31.6 25.6 38.4
141 52.6 42.3 63.5



#63
4-Nitroaniline
Concen: 49.049 ng/ul
RT: 15.528 min Scan# 2117
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:138 Resp: 299098
Ion Ratio Lower Upper
138 100
92 56.8 53.2 79.8
108 89.3 79.4 119.0

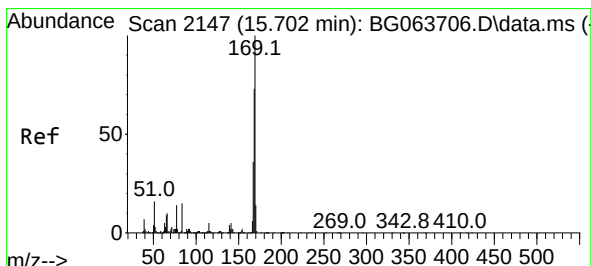
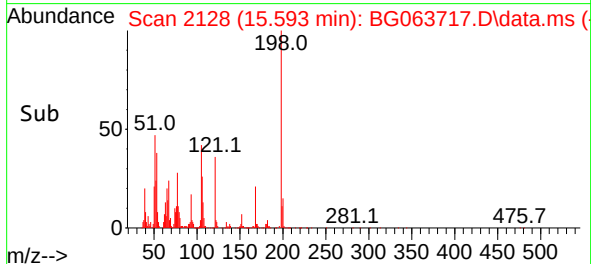
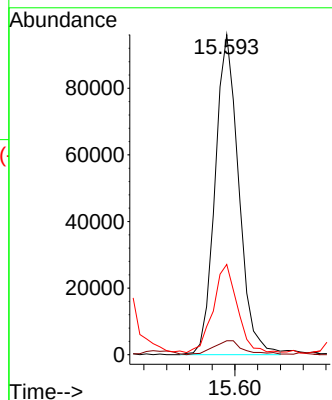
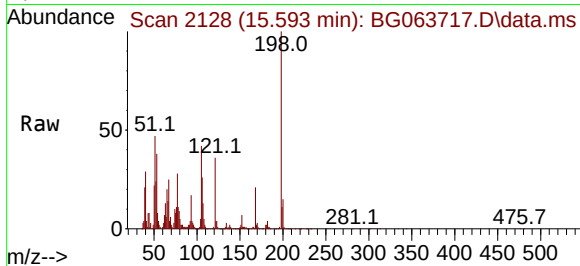




#66
 4,6-Dinitro-2-methylphenol
 Concen: 23.165 ng/ul
 RT: 15.593 min Scan# 2128
 Delta R.T. -0.004 min
 Lab File: BG063717.D
 Acq: 18 Dec 2024 3:27

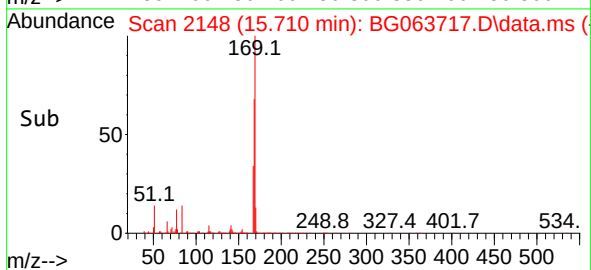
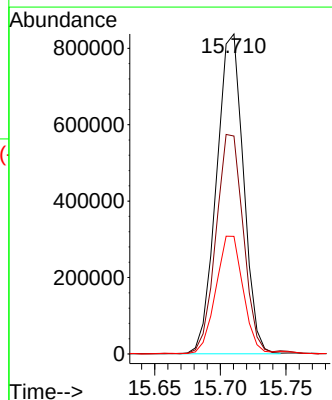
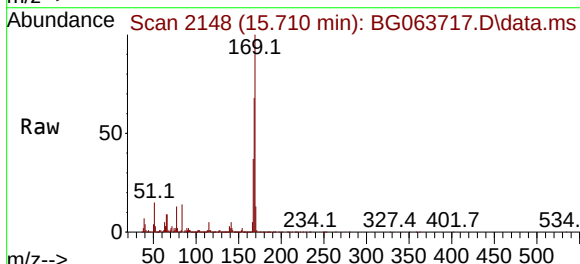
Instrument :
 BNA_G
 ClientSampleId :
 E28W2MSD

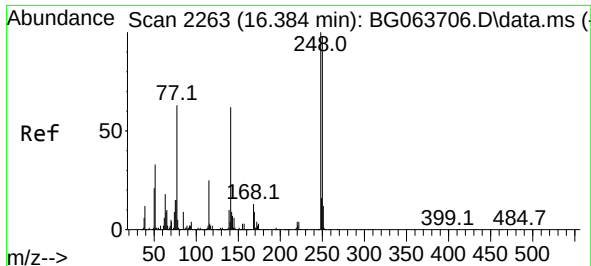
Tgt Ion:198 Resp: 138790
 Ion Ratio Lower Upper
 198 100
 182 4.4 3.4 5.2
 77 28.2 25.2 37.8



#67
 N-Nitrosodiphenylamine
 Concen: 44.103 ng/ul
 RT: 15.710 min Scan# 2148
 Delta R.T. -0.004 min
 Lab File: BG063717.D
 Acq: 18 Dec 2024 3:27

Tgt Ion:169 Resp: 1196245
 Ion Ratio Lower Upper
 169 100
 168 68.1 54.0 81.0
 167 36.8 29.8 44.8

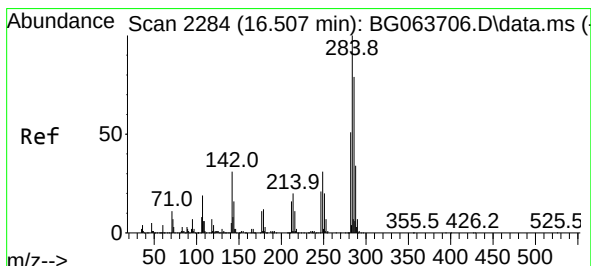
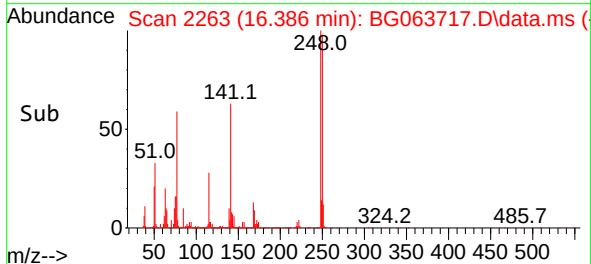
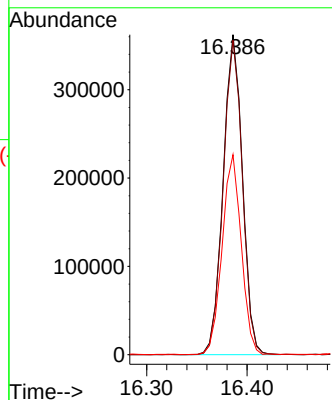
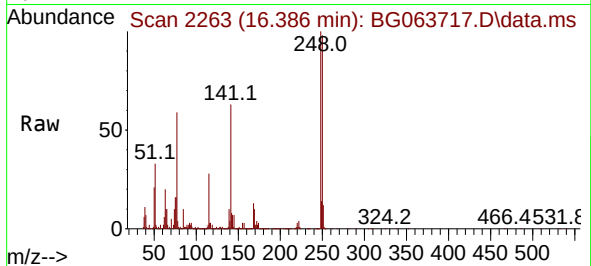




#68
4-Bromophenyl-phenylether
Concen: 42.472 ng/ul
RT: 16.386 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

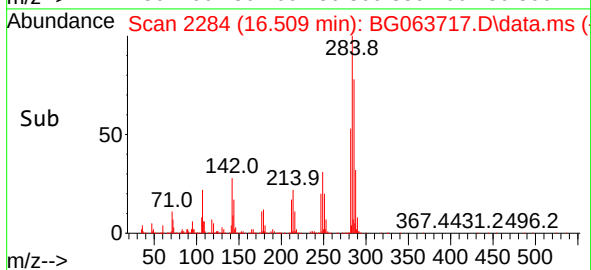
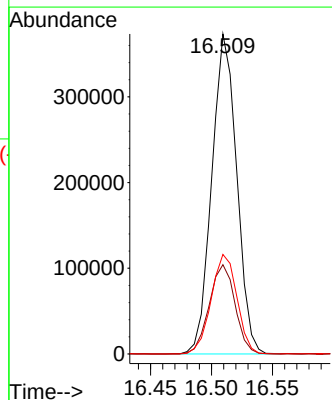
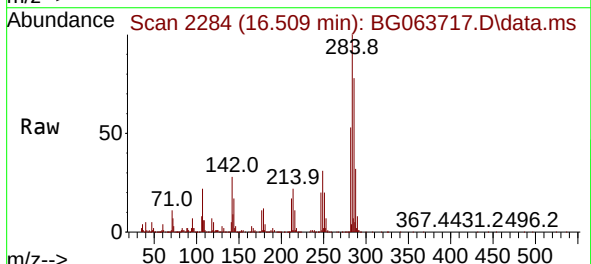
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

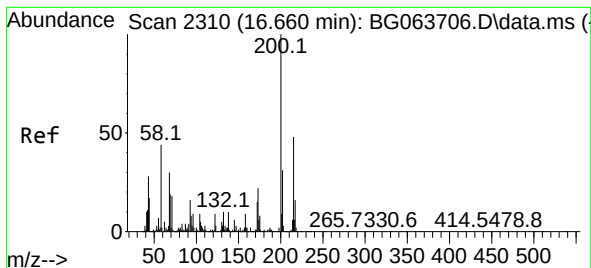
Tgt Ion:248 Resp: 484835
Ion Ratio Lower Upper
248 100
250 98.3 76.1 114.1
141 62.5 46.0 69.0



#69
Hexachlorobenzene
Concen: 41.487 ng/ul
RT: 16.509 min Scan# 2284
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:284 Resp: 530604
Ion Ratio Lower Upper
284 100
142 27.9 23.9 35.9
249 31.1 24.6 36.8





#70

Atrazine

Concen: 41.474 ng/ul

RT: 16.662 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

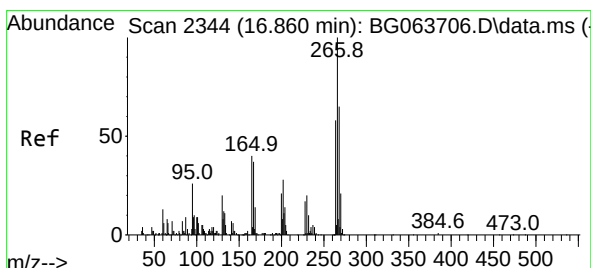
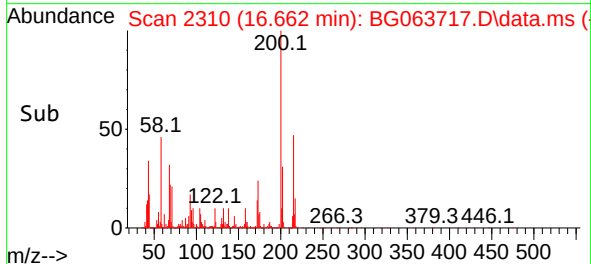
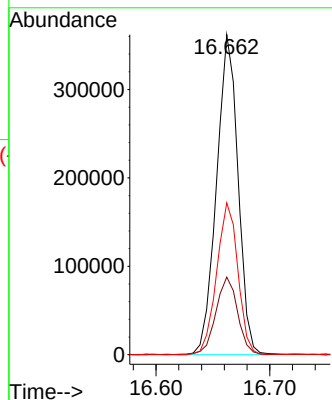
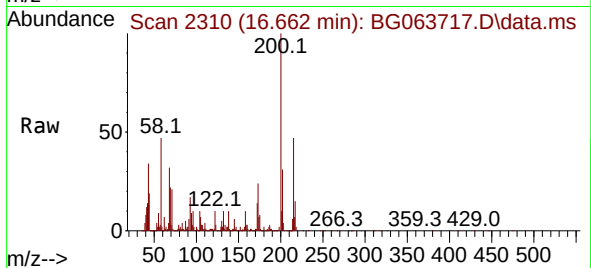
Tgt Ion:200 Resp: 475531

Ion Ratio Lower Upper

200 100

173 24.2 21.3 31.9

215 47.5 37.8 56.8



#71

Pentachlorophenol

Concen: 45.786 ng/ul

RT: 16.862 min Scan# 2344

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

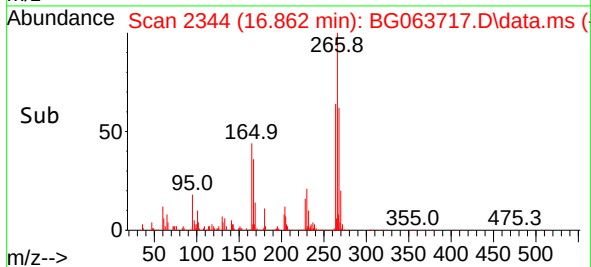
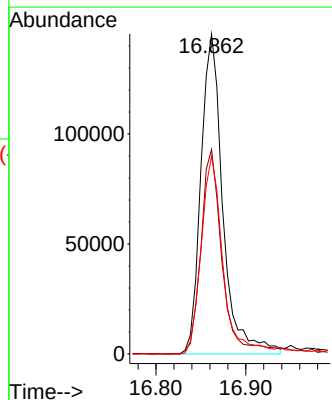
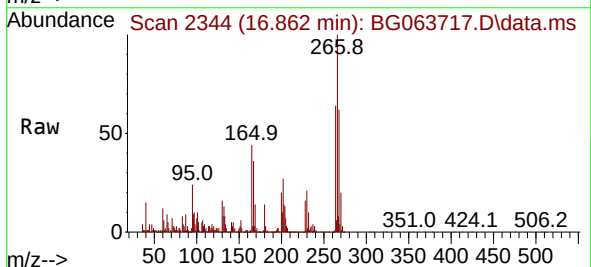
Tgt Ion:266 Resp: 246902

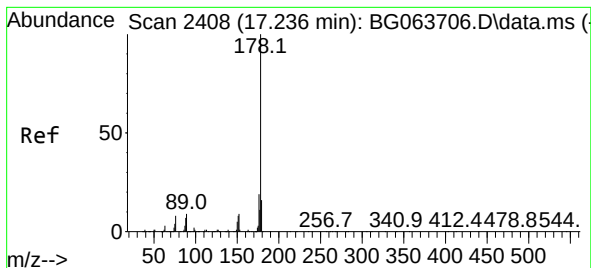
Ion Ratio Lower Upper

266 100

264 63.9 49.3 73.9

268 61.9 50.5 75.7





#72

Phenanthrene

Concen: 44.281 ng/ul

RT: 17.244 min Scan# 2409

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

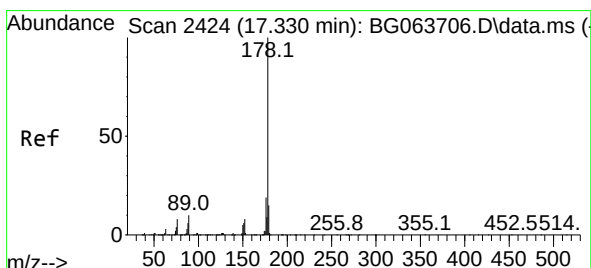
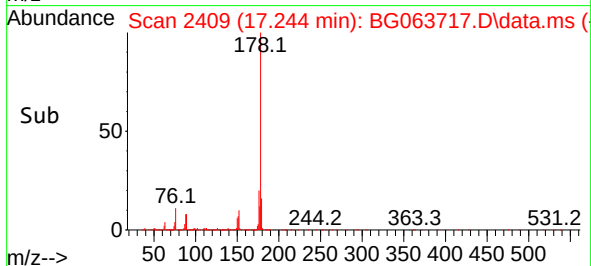
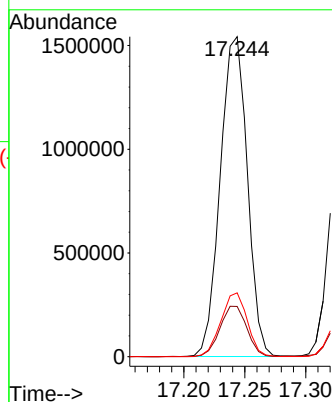
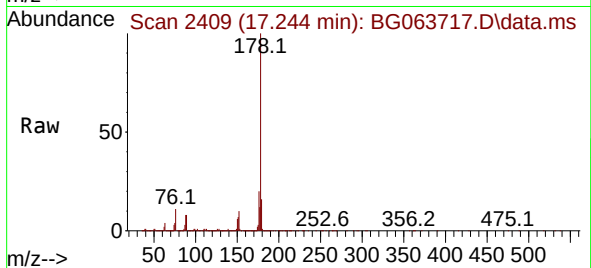
Tgt Ion:178 Resp: 2390185

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

176 19.9 15.8 23.6



#74

Anthracene

Concen: 41.307 ng/ul

RT: 17.332 min Scan# 2424

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

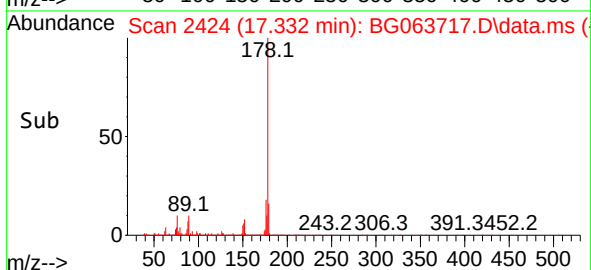
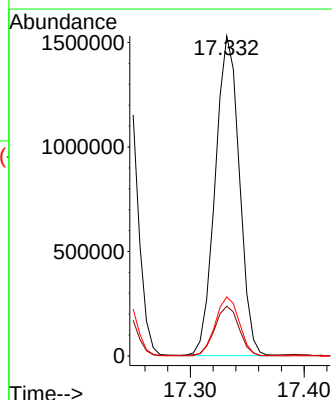
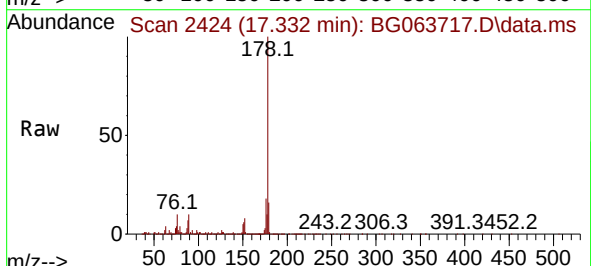
Tgt Ion:178 Resp: 2256729

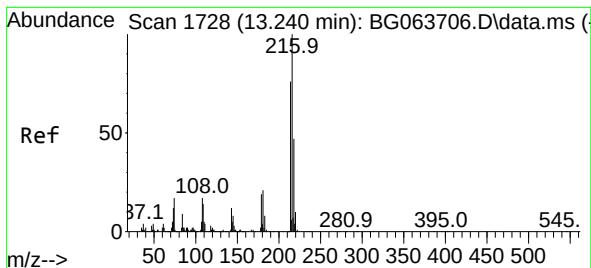
Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 18.5 14.4 21.6





#75

1,2,3,4-Tetrachlorobenzene

Concen: 40.065 ng/ul

RT: 13.243 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

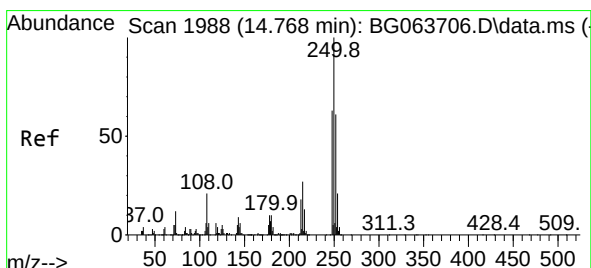
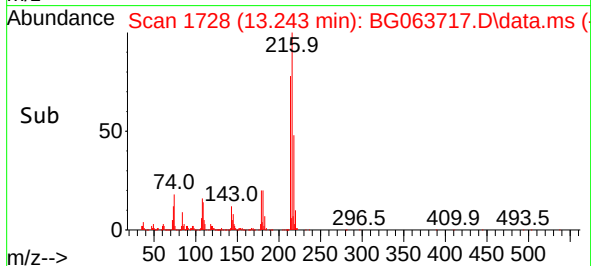
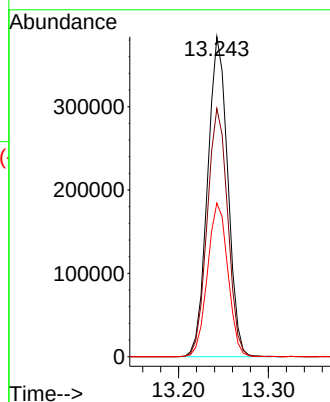
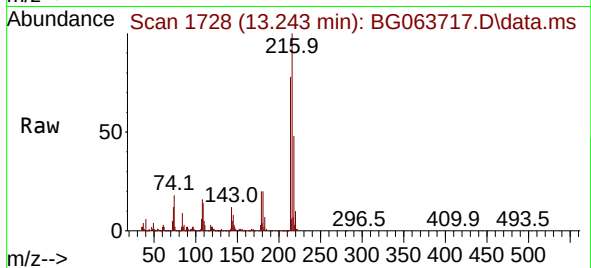
Tgt Ion:216 Resp: 598763

Ion Ratio Lower Upper

216 100

214 77.6 60.2 90.4

218 48.0 37.6 56.4



#76

Pentachlorobenzene

Concen: 42.367 ng/ul

RT: 14.770 min Scan# 1988

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

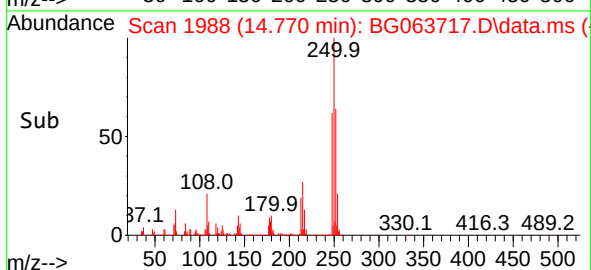
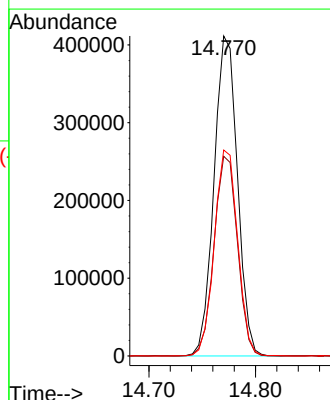
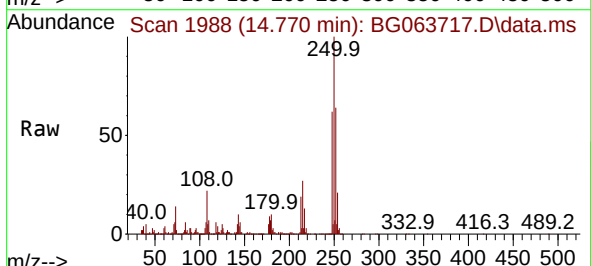
Tgt Ion:250 Resp: 627259

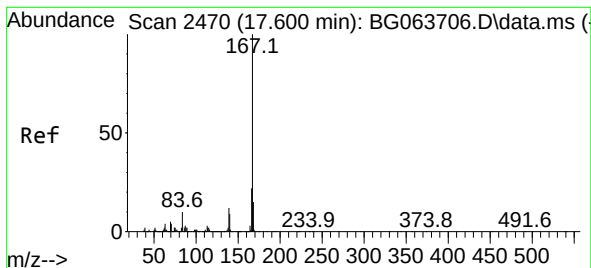
Ion Ratio Lower Upper

250 100

248 62.4 49.8 74.8

252 64.3 50.4 75.6





#77

Carbazole

Concen: 43.788 ng/ul

RT: 17.608 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

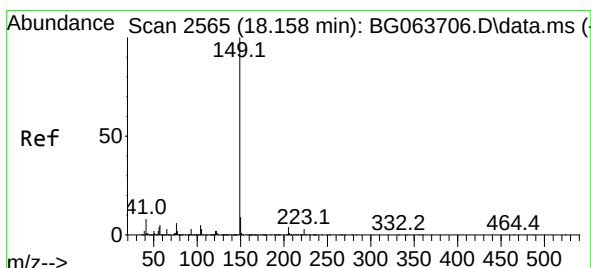
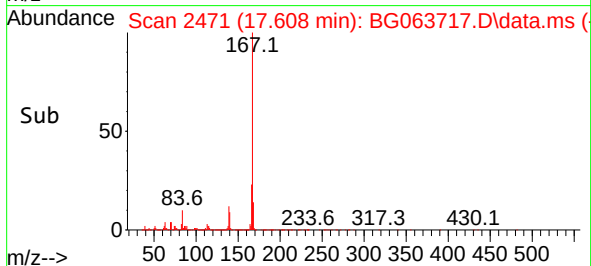
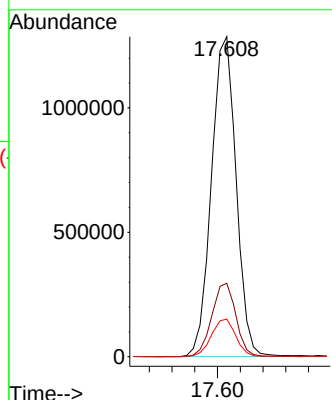
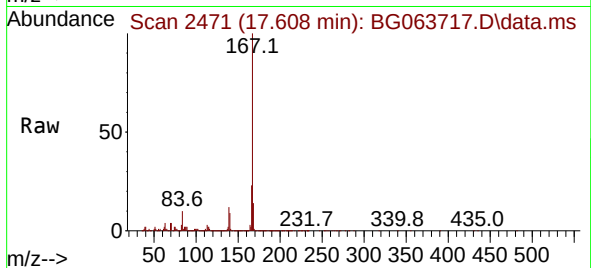
Tgt Ion:167 Resp: 1936440

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.4

139 11.8 10.1 15.1



#78

Di-n-butylphthalate

Concen: 43.636 ng/ul

RT: 18.160 min Scan# 2565

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

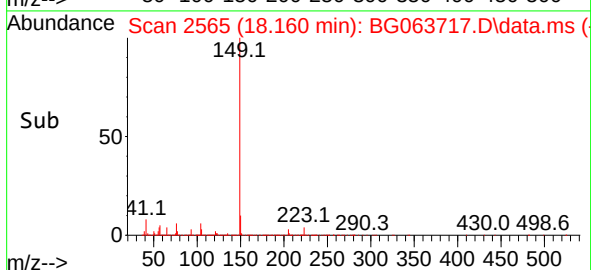
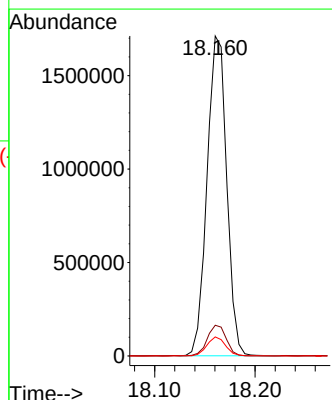
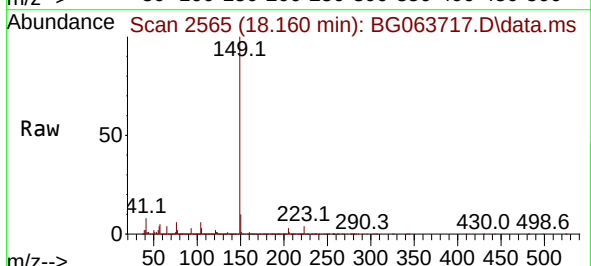
Tgt Ion:149 Resp: 2330518

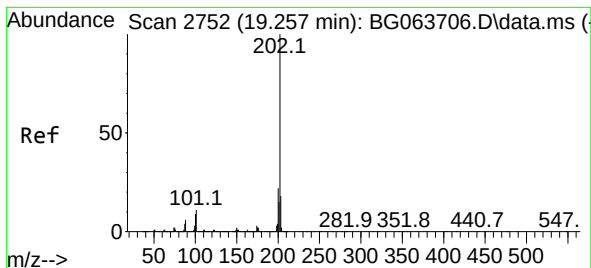
Ion Ratio Lower Upper

149 100

150 9.6 7.2 10.8

104 5.9 5.4 8.0





#80

Fluoranthene

Concen: 45.392 ng/u1

RT: 19.259 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

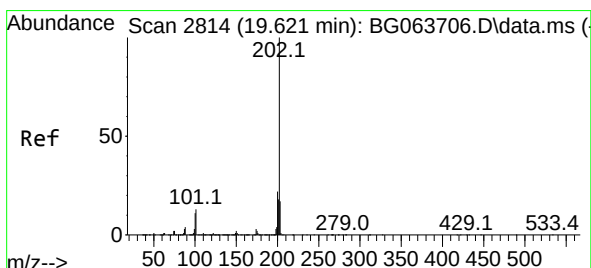
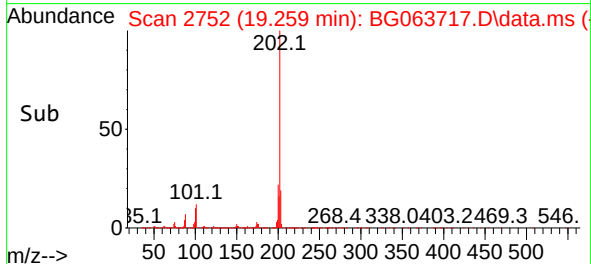
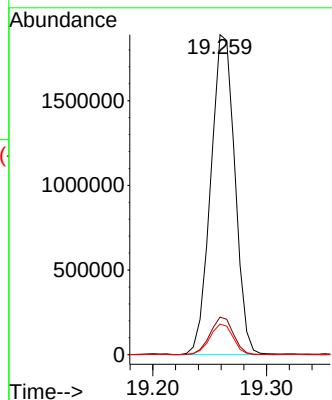
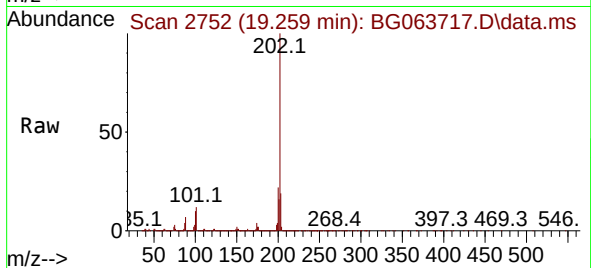
Tgt Ion:202 Resp: 2778809

Ion Ratio Lower Upper

202 100

101 11.8 8.1 12.1

100 9.6 6.5 9.7



#82

Pyrene

Concen: 44.660 ng/u1

RT: 19.623 min Scan# 2814

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

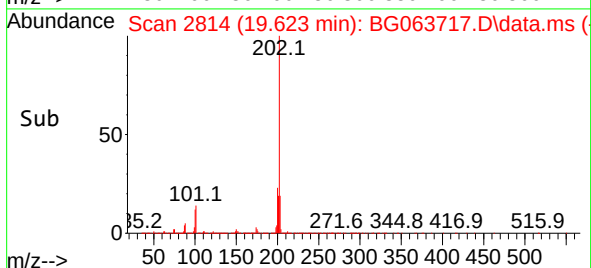
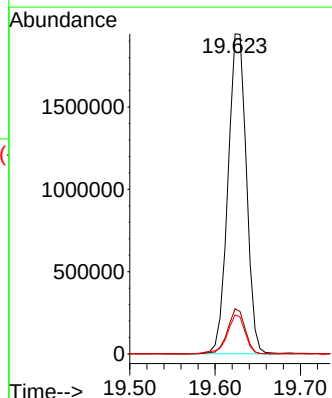
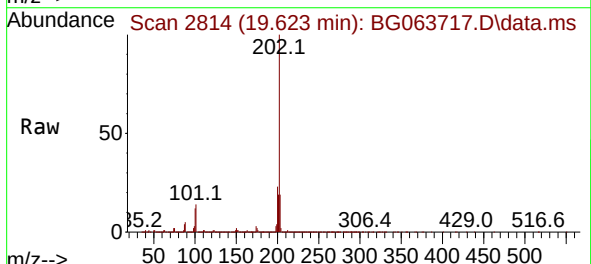
Tgt Ion:202 Resp: 2908801

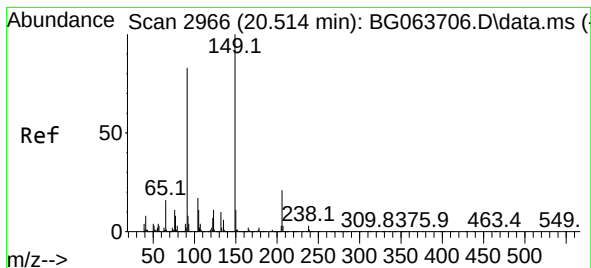
Ion Ratio Lower Upper

202 100

101 14.1 8.7 13.1#

100 12.3 7.8 11.6#





#83

Butylbenzylphthalate

Concen: 51.249 ng/ul

RT: 20.516 min Scan# 2966

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

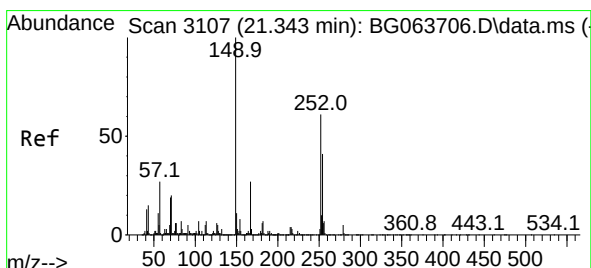
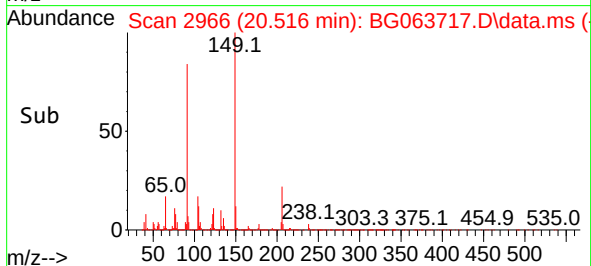
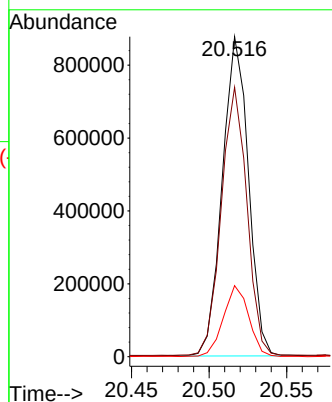
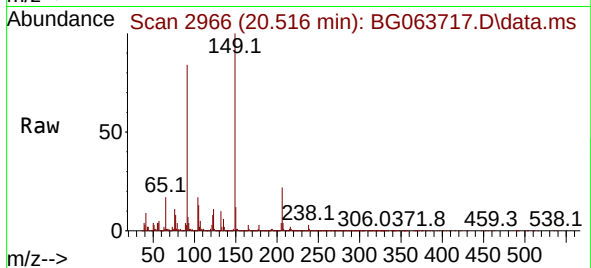
Tgt Ion:149 Resp: 1024650

Ion Ratio Lower Upper

149 100

91 84.2 68.7 103.1

206 22.2 17.3 25.9



#84

3,3'-Dichlorobenzidine

Concen: 28.343 ng/ul

RT: 21.351 min Scan# 3108

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

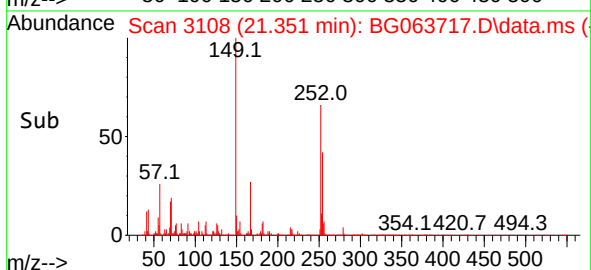
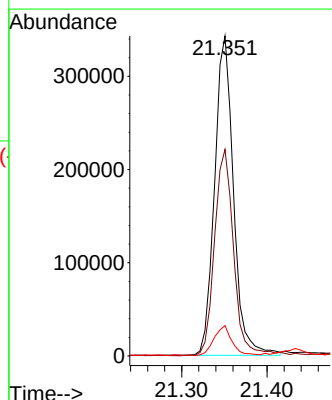
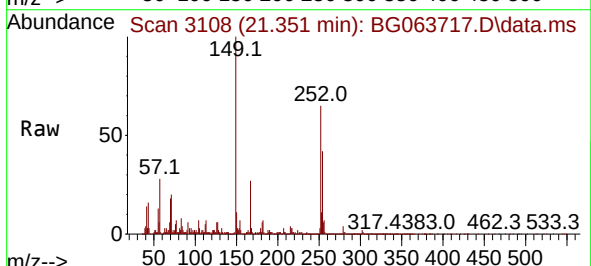
Tgt Ion:252 Resp: 529570

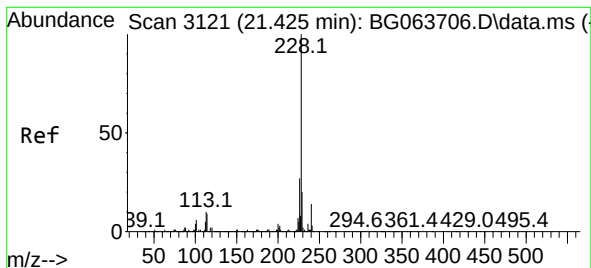
Ion Ratio Lower Upper

252 100

254 64.5 55.8 83.6

126 9.5 6.4 9.6





#85

Benzo(a)anthracene

Concen: 42.384 ng/ul

RT: 21.427 min Scan# 3121

Delta R.T. -0.016 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

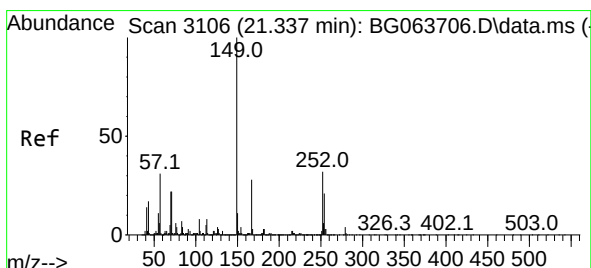
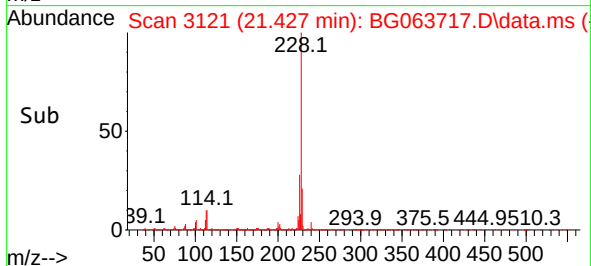
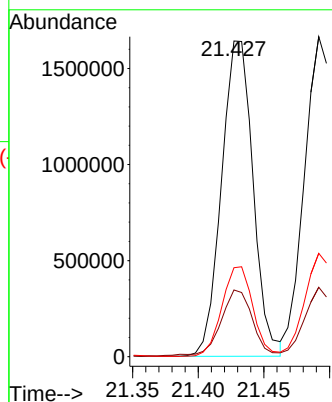
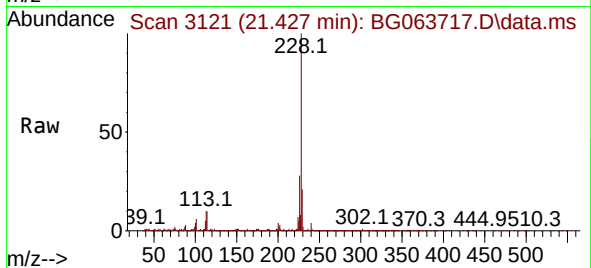
Tgt Ion:228 Resp: 2749320

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

226 28.2 22.0 33.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 51.348 ng/ul

RT: 21.339 min Scan# 3106

Delta R.T. -0.016 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

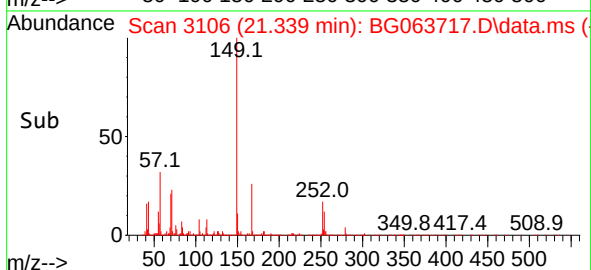
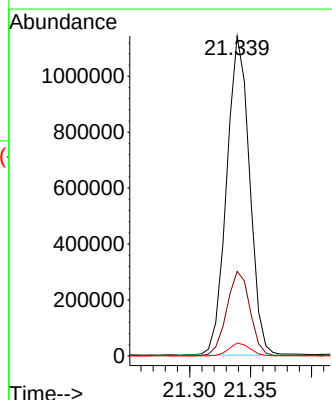
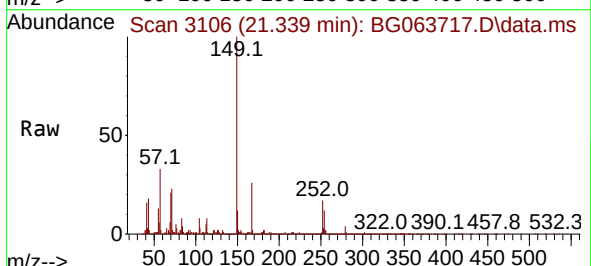
Tgt Ion:149 Resp: 1493402

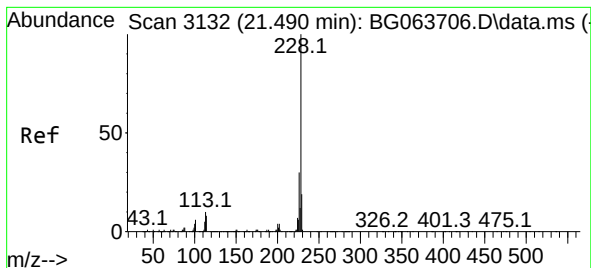
Ion Ratio Lower Upper

149 100

167 26.4 22.1 33.1

279 4.0 2.9 4.3





#87

Chrysene

Concen: 42.762 ng/ul

RT: 21.492 min Scan# 3132

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

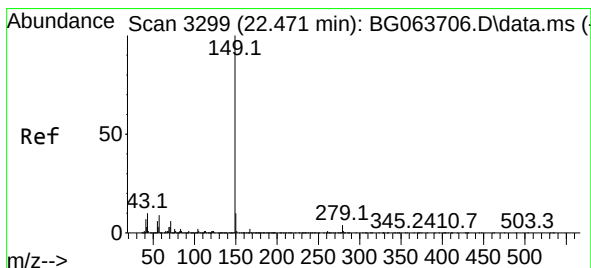
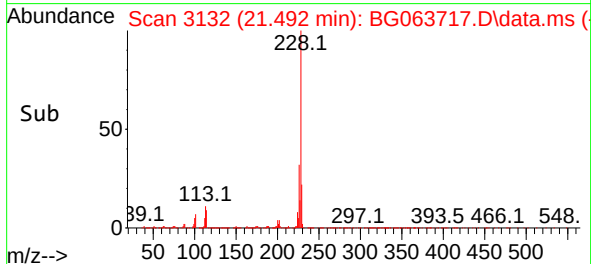
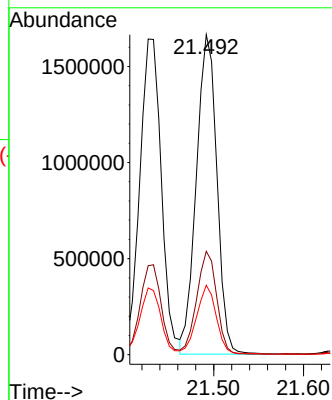
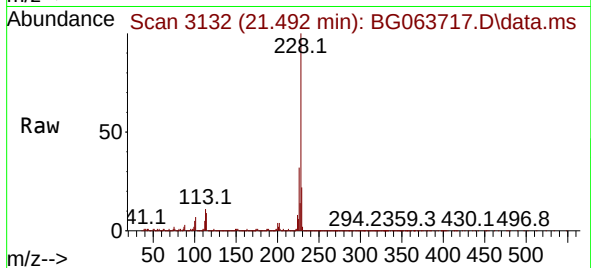
Tgt Ion:228 Resp: 2643748

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

229 21.7 14.8 22.2



#89

Di-n-octyl phthalate

Concen: 51.269 ng/ul

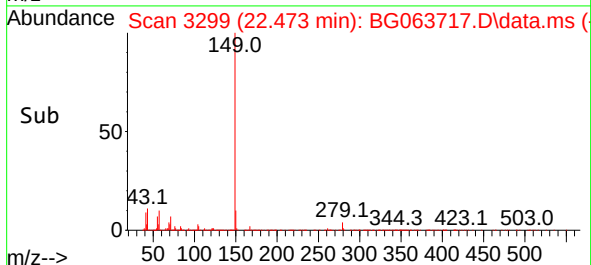
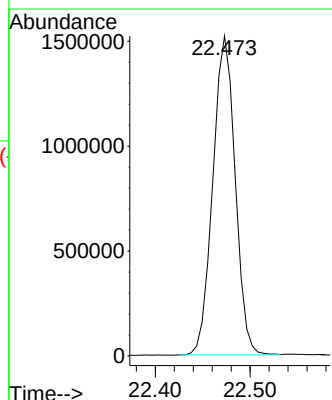
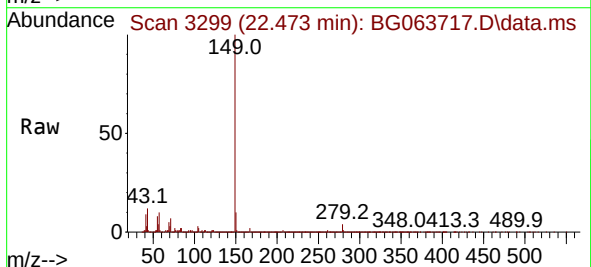
RT: 22.473 min Scan# 3299

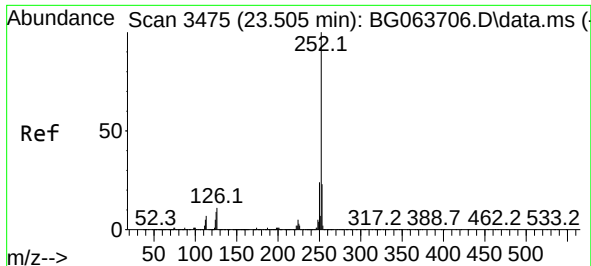
Delta R.T. -0.016 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Tgt Ion:149 Resp: 2488706

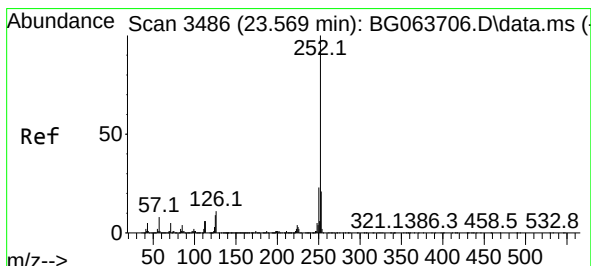
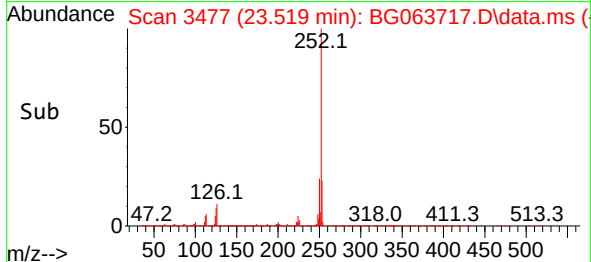
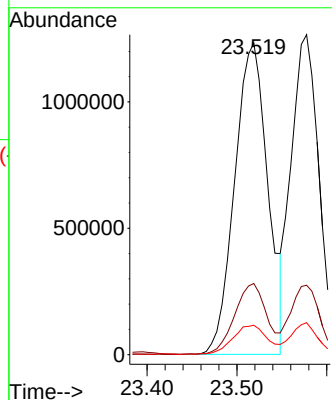
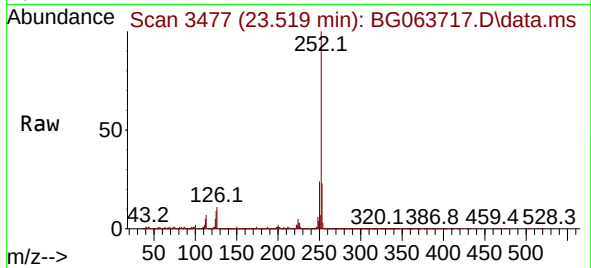




#90
Benzo(b)fluoranthene
Concen: 49.458 ng/ul
RT: 23.519 min Scan# 3475
Delta R.T. -0.004 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

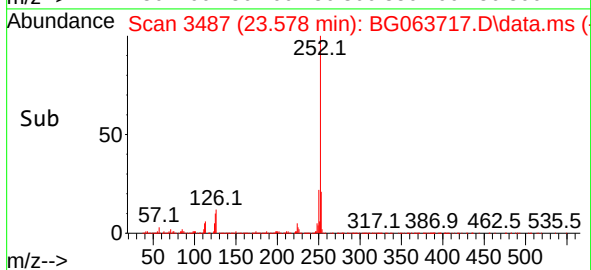
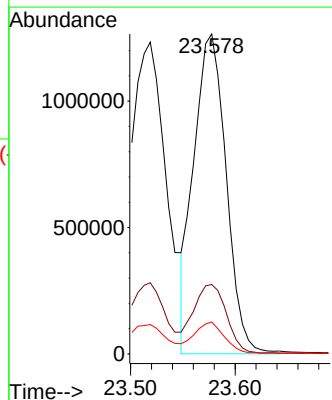
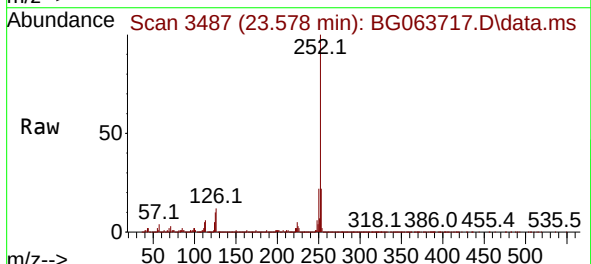
Instrument :
BNA_G
ClientSampleId :
E28W2MSD

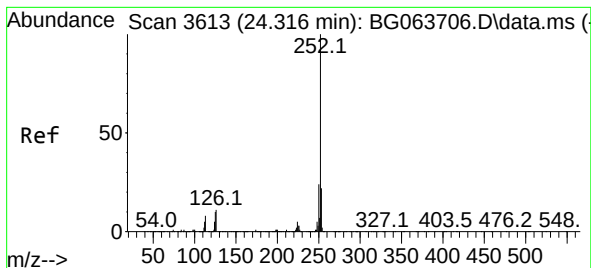
Tgt Ion:252 Resp: 3161351
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.4 7.0 10.4



#91
Benzo(k)fluoranthene
Concen: 42.742 ng/ul m
RT: 23.578 min Scan# 3487
Delta R.T. -0.010 min
Lab File: BG063717.D
Acq: 18 Dec 2024 3:27

Tgt Ion:252 Resp: 2725247
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 10.0 6.5 9.7#





#93

Benzo(a)pyrene

Concen: 47.255 ng/ul

RT: 24.330 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

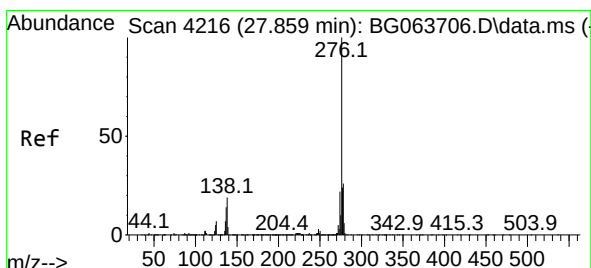
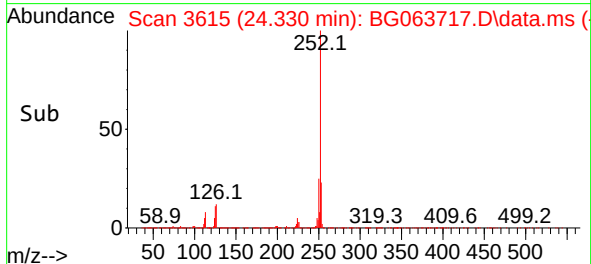
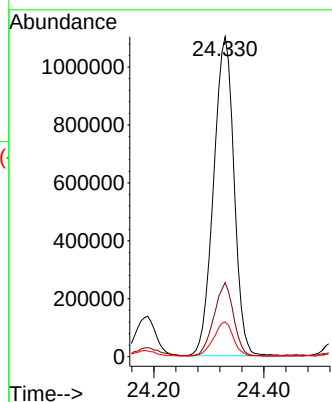
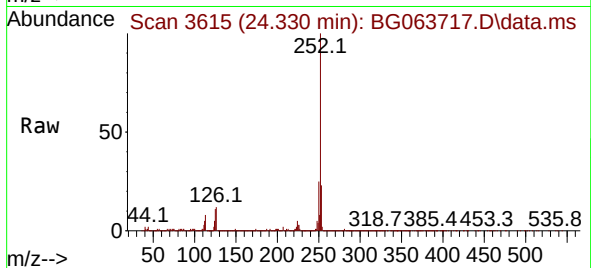
Tgt Ion:252 Resp: 2835209

Ion Ratio Lower Upper

252 100

253 23.2 16.6 24.8

125 10.9 8.0 12.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 47.489 ng/ul

RT: 27.884 min Scan# 4220

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

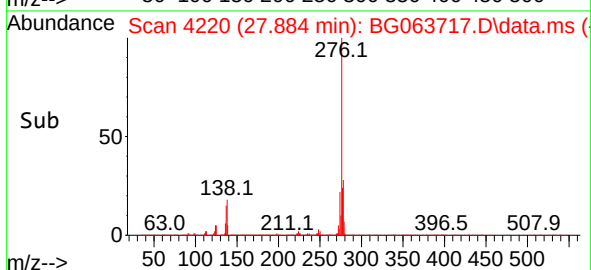
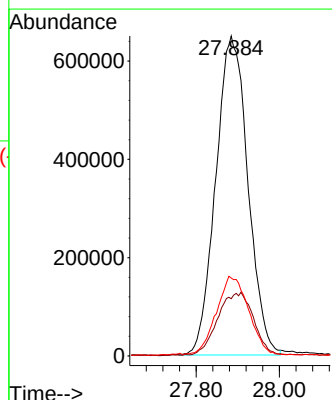
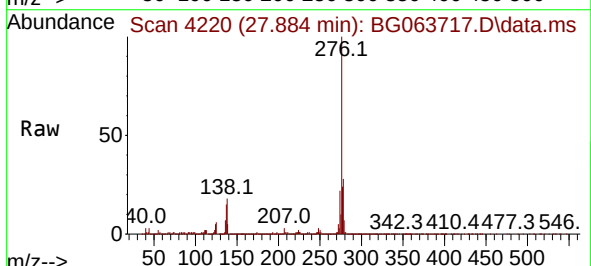
Tgt Ion:276 Resp: 3479557

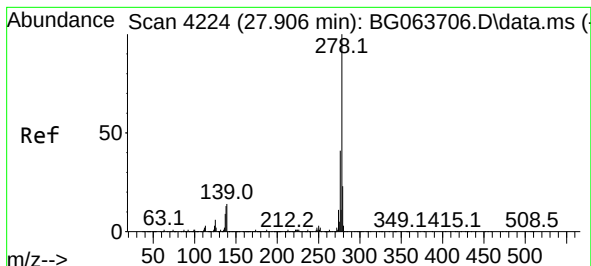
Ion Ratio Lower Upper

276 100

138 17.9 13.7 20.5

277 24.4 18.4 27.6





#95

Dibenzo(a,h)anthracene

Concen: 43.850 ng/ul

RT: 27.931 min Scan# 41

Delta R.T. -0.004 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Instrument :

BNA_G

ClientSampleId :

E28W2MSD

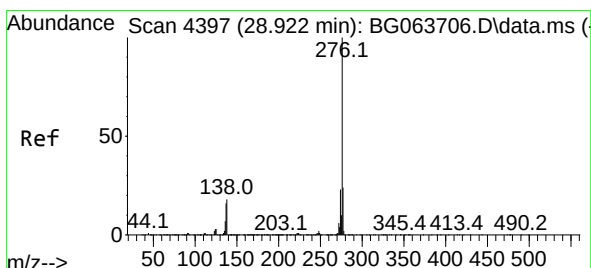
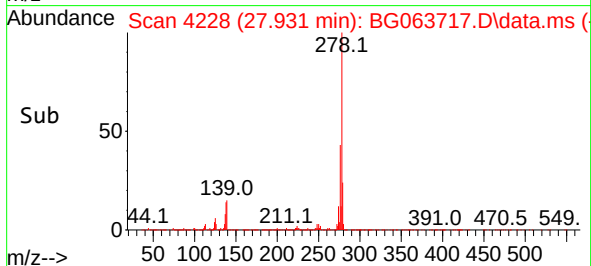
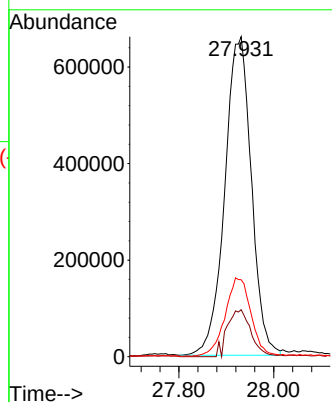
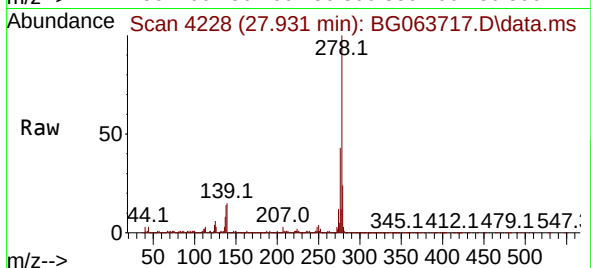
Tgt Ion:278 Resp: 2570828

Ion Ratio Lower Upper

278 100

139 14.7 9.7 14.5#

279 24.1 17.3 25.9



#96

Benzo(g,h,i)perylene

Concen: 48.604 ng/ul

RT: 28.948 min Scan# 4401

Delta R.T. 0.008 min

Lab File: BG063717.D

Acq: 18 Dec 2024 3:27

Tgt Ion:276 Resp: 2825959

Ion Ratio Lower Upper

276 100

138 18.9 13.8 20.8

277 23.8 17.8 26.8

