

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
 Data File : BG064192.D
 Acq On : 4 Apr 2025 8:08
 Operator : RC/JU
 Sample : Q1695-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 08:45:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

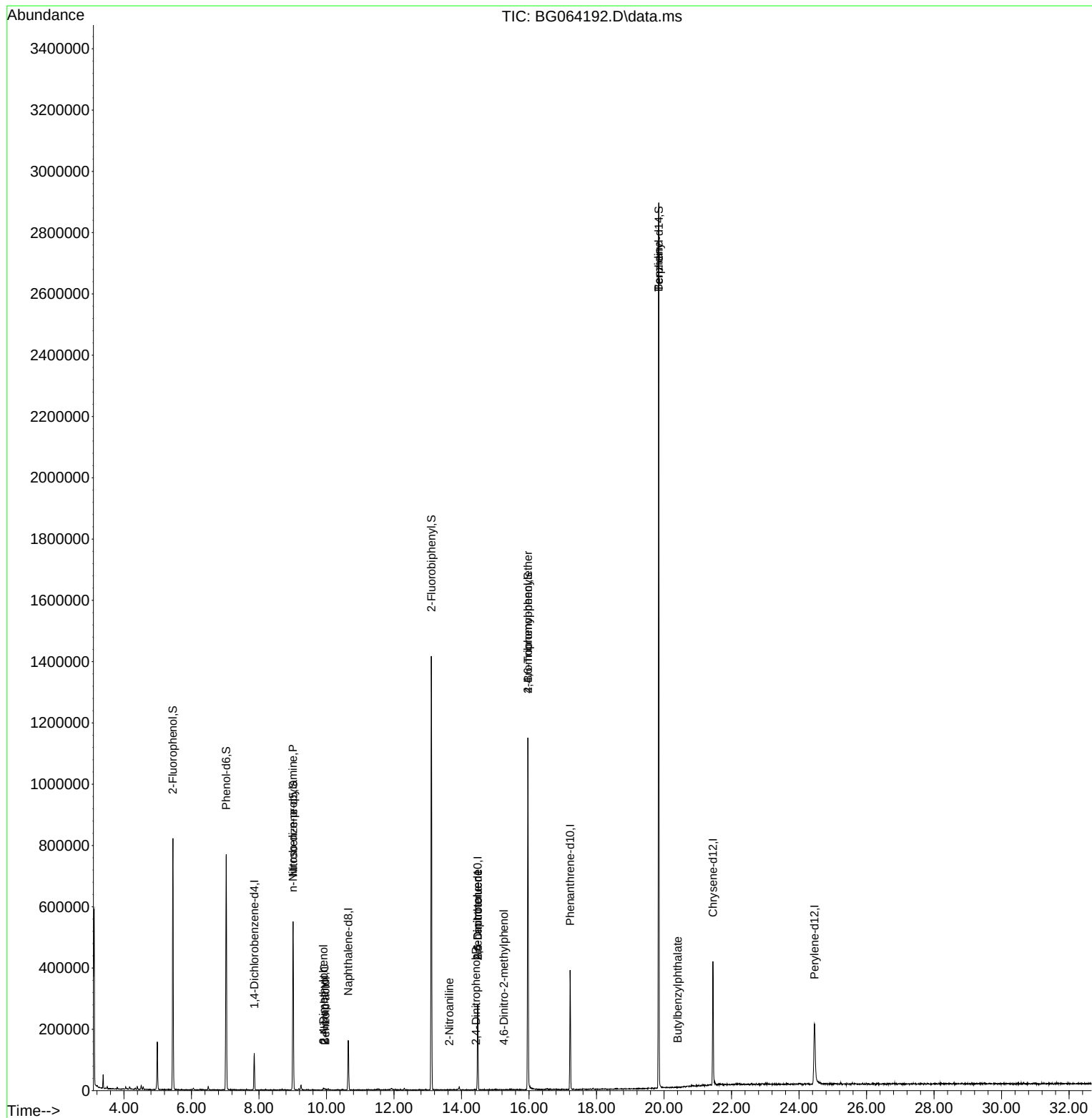
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	26895	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	126699	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	91097	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	216248	20.000	ng	-0.01
76) Chrysene-d12	21.448	240	231974	20.000	ng	-0.01
86) Perylene-d12	24.456	264	227340	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	294202	170.805	ng	0.00
7) Phenol-d6	7.030	99	368307	157.182	ng	0.00
23) Nitrobenzene-d5	9.010	82	284052	123.894	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	195217	192.786	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	677176	112.833	ng	-0.01
79) Terphenyl-d14	19.844	244	1308842	114.085	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.004	70	40379	24.555	ng	# 69
26) 2-Nitrophenol	9.938	139	56	3.358	ng	# 26
27) 2,4-Dimethylphenol	9.909	122	2998	2.179	ng	# 2
32) Benzoic acid	9.962	122	877	9.258	ng	# 53
48) 2-Nitroaniline	13.640	65	64	3.255	ng	# 11
51) 2,6-Dinitrotoluene	14.480	165	12040	11.565	ng	# 19
54) 2,4-Dinitrophenol	14.427	184	70	7.993	ng	# 15
57) 2,4-Dinitrotoluene	14.480	165	12040	9.556	ng	# 20
65) 4,6-Dinitro-2-methylph...	15.255	198	56	8.229	ng	# 23
67) 4-Bromophenyl-phenylether	15.966	248	13423	6.061	ng	# 1
77) Benzidine	19.838	184	26128	8.134	ng	# 94
80) Butylbenzylphthalate	20.402	149	59	3.647	ng	# 13

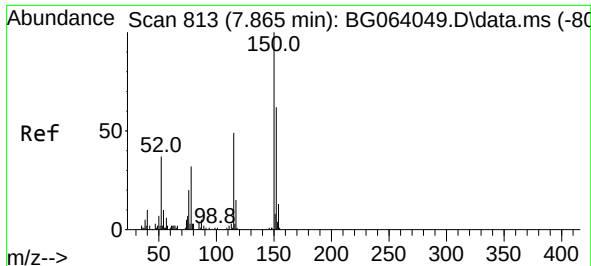
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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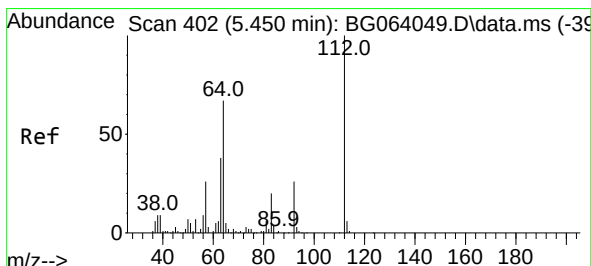
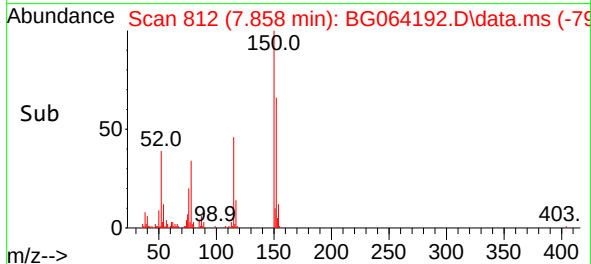
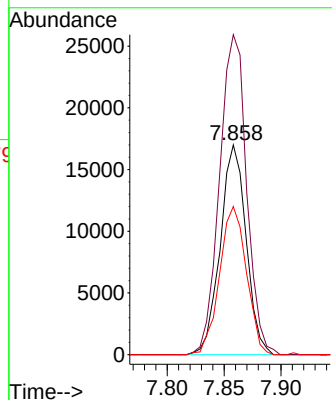
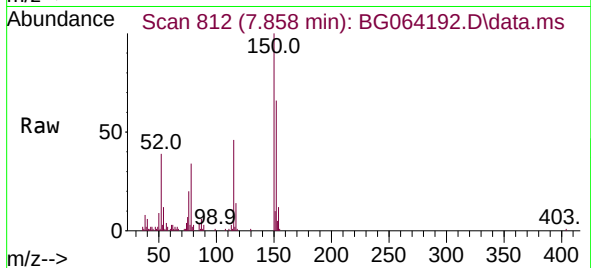




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 813
Delta R.T. -0.007 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

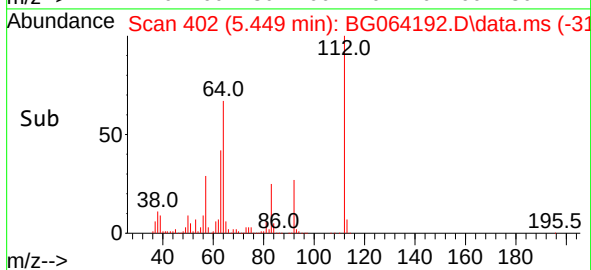
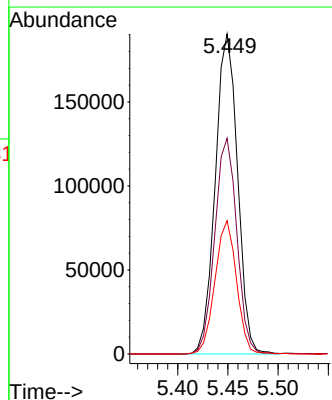
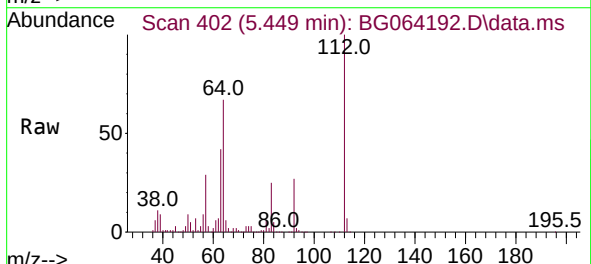
Instrument :
BNA_G
ClientSampleId :

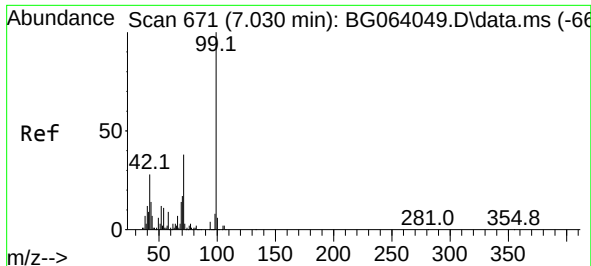
Tgt Ion:152 Resp: 26895
Ion Ratio Lower Upper
152 100
150 152.6 129.2 193.8
115 70.7 63.0 94.6



#5
2-Fluorophenol
Concen: 170.805 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Tgt Ion:112 Resp: 294202
Ion Ratio Lower Upper
112 100
64 67.4 53.7 80.5
63 41.6 30.2 45.4

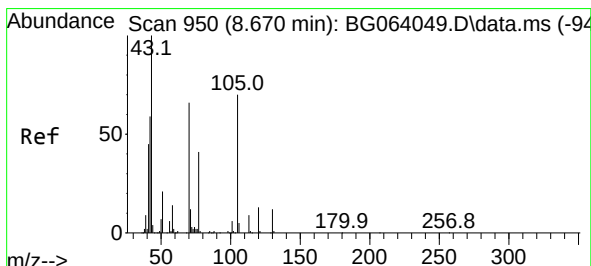
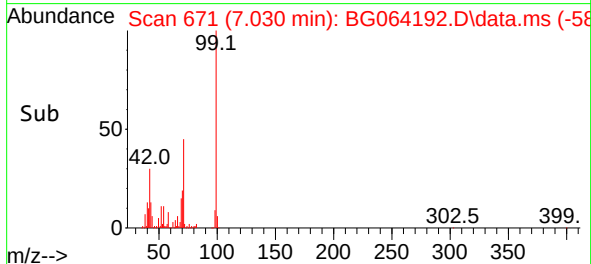
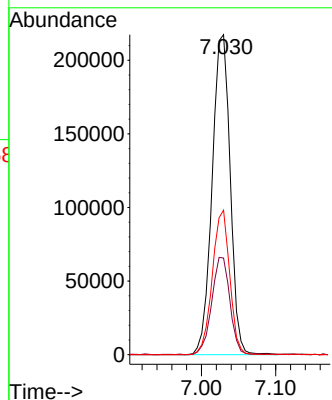
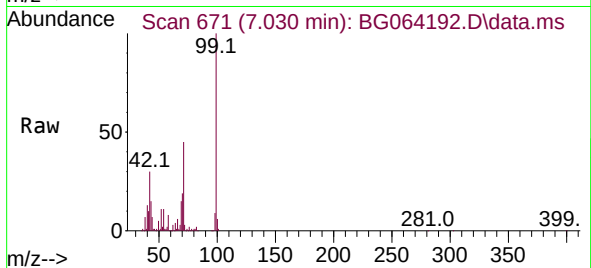




#7
Phenol-d6
Concen: 157.182 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

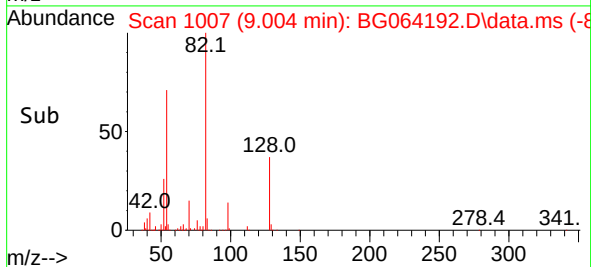
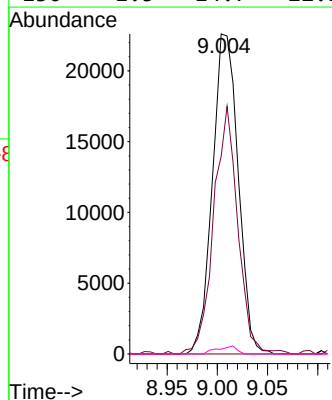
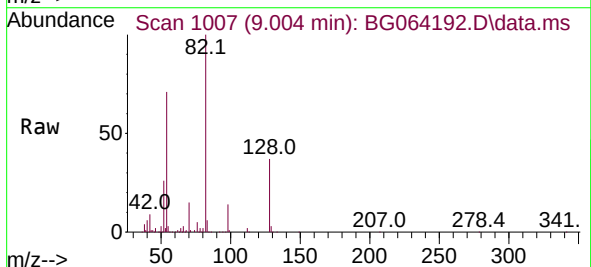
Instrument :
BNA_G
ClientSampleId :

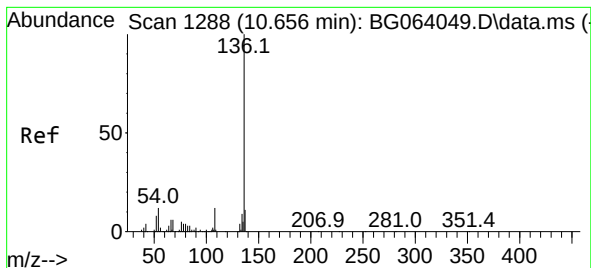
Tgt Ion: 99 Resp: 368307
Ion Ratio Lower Upper
99 100
42 30.2 22.7 34.1
71 45.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 24.555 ng
RT: 9.004 min Scan# 1007
Delta R.T. 0.334 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Tgt Ion: 70 Resp: 40379
Ion Ratio Lower Upper
70 100
42 61.7 72.1 108.1#
101 0.0 7.2 10.8#
130 1.5 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.643 min Scan# 11

Delta R.T. -0.013 min

Lab File: BG064192.D

Acq: 4 Apr 2025 8:08

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:136 Resp: 126699

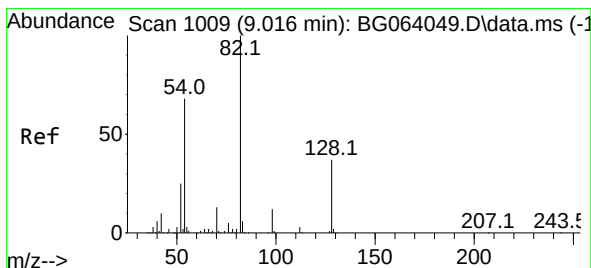
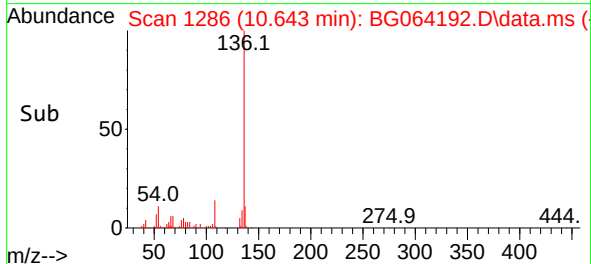
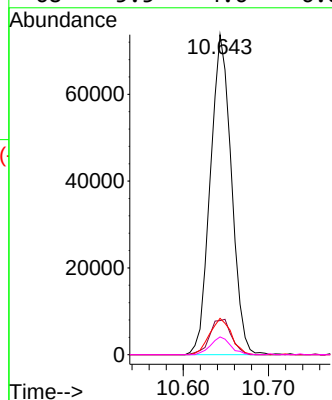
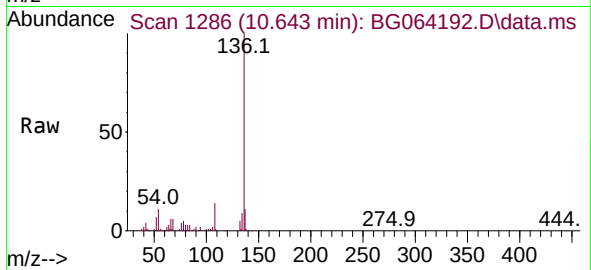
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.3 9.9 14.9

68 5.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 123.894 ng

RT: 9.010 min Scan# 1008

Delta R.T. -0.007 min

Lab File: BG064192.D

Acq: 4 Apr 2025 8:08

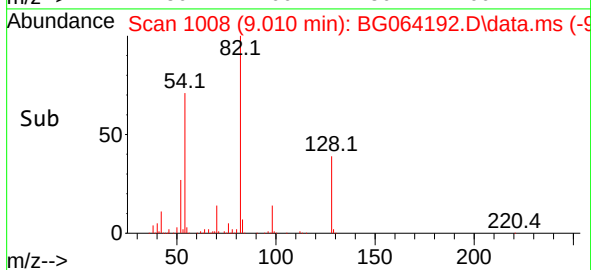
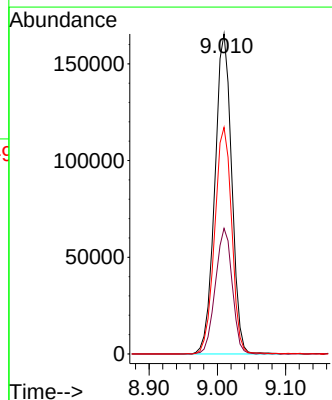
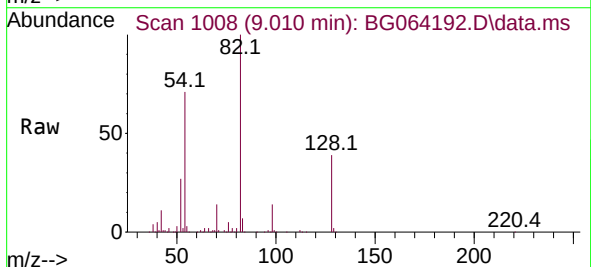
Tgt Ion: 82 Resp: 284052

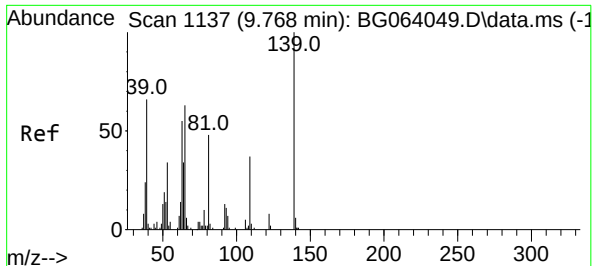
Ion Ratio Lower Upper

82 100

128 39.2 30.0 45.0

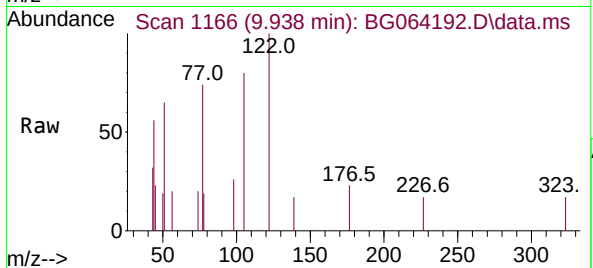
54 70.8 54.7 82.1



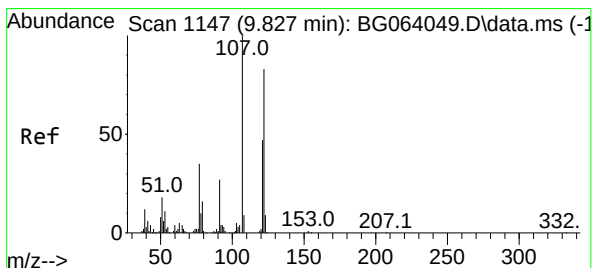
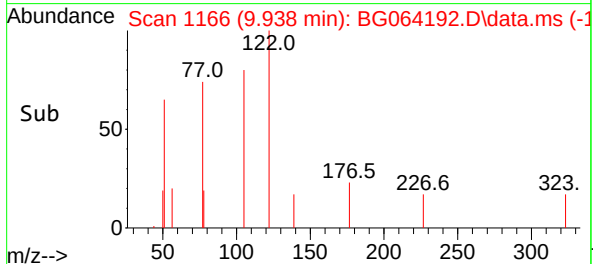
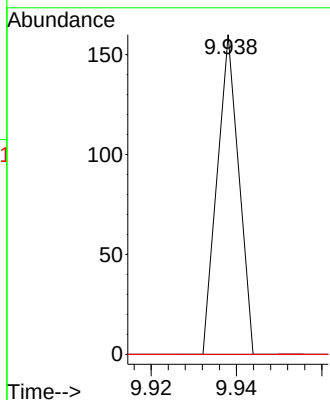


#26
2-Nitrophenol
Concen: 3.358 ng
RT: 9.938 min Scan# 1166
Delta R.T. 0.170 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

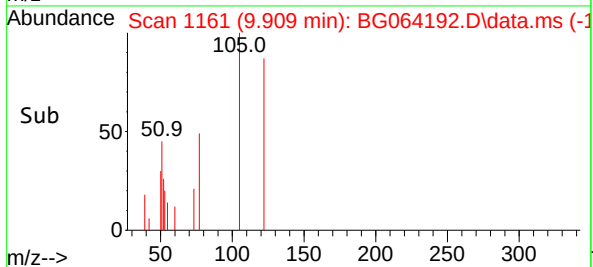
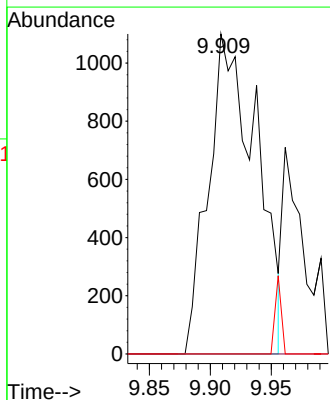
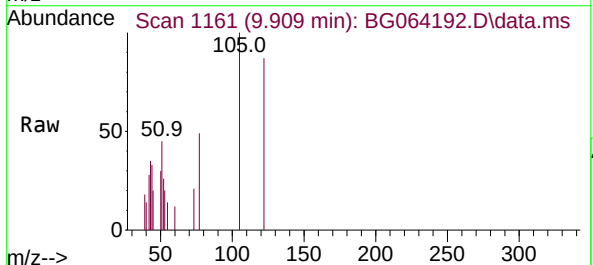


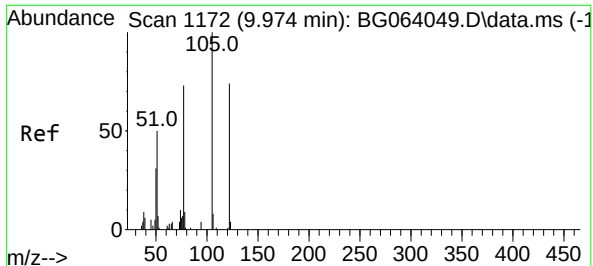
Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#27
2,4-Dimethylphenol
Concen: 2.179 ng
RT: 9.909 min Scan# 1161
Delta R.T. 0.082 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

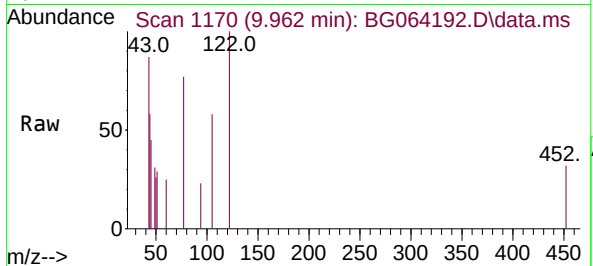
Tgt Ion:122 Resp: 2998
Ion Ratio Lower Upper
122 100
107 0.0 95.4 143.0#
121 0.0 44.9 67.3#



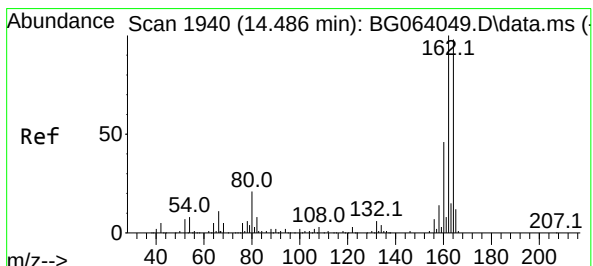
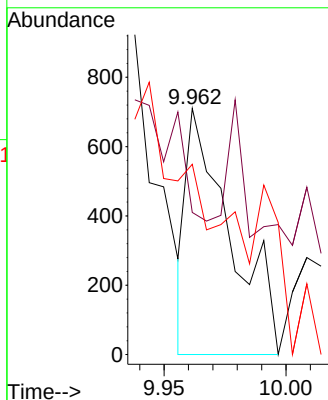
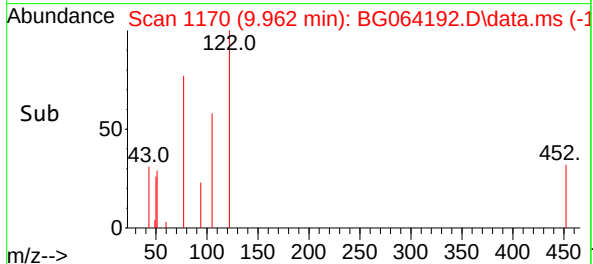


#32
Benzoic acid
Concen: 9.258 ng
RT: 9.962 min Scan# 1172
Delta R.T. -0.012 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

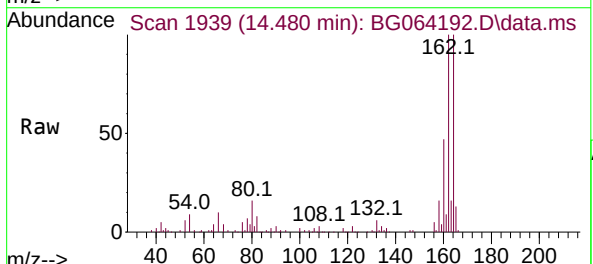
Instrument :
BNA_G
ClientSampleId :



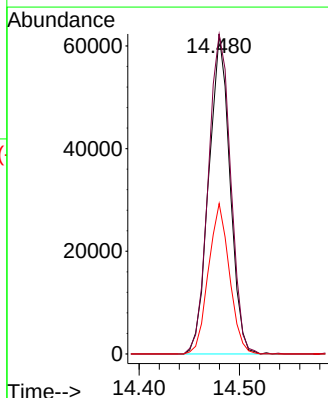
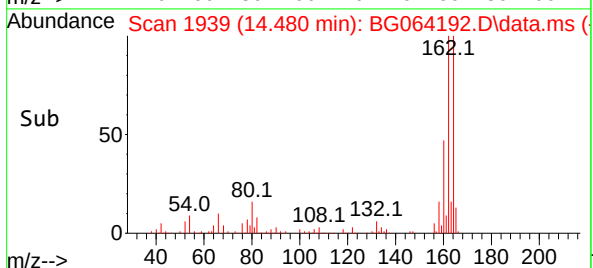
Tgt Ion:122 Resp: 877
Ion Ratio Lower Upper
122 100
105 57.7 115.0 155.0#
77 77.3 80.9 120.9#

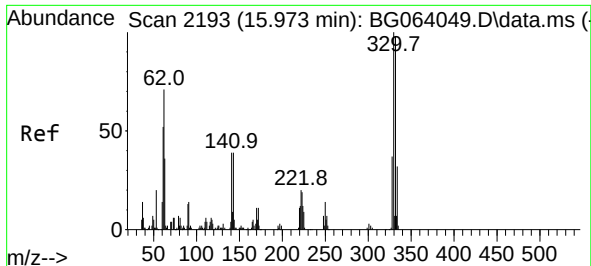


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08



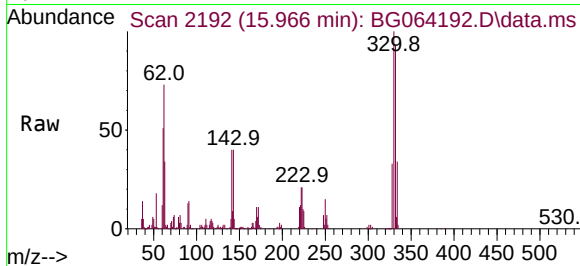
Tgt Ion:164 Resp: 91097
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 47.0 37.0 55.6



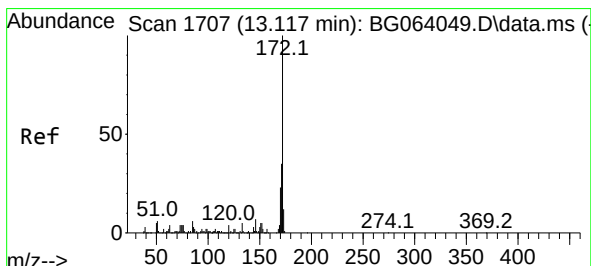
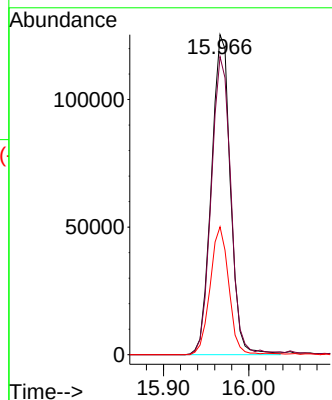
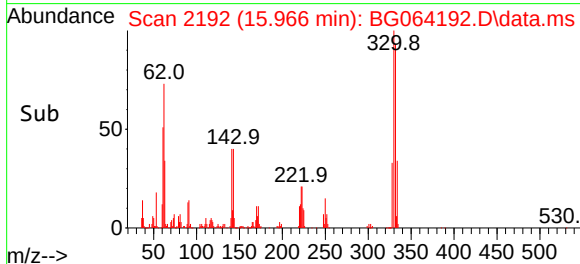


#42
2,4,6-Tribromophenol
Concen: 192.786 ng
RT: 15.966 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

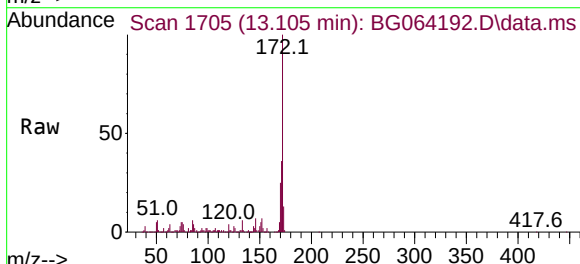
Instrument :
BNA_G
ClientSampleId :



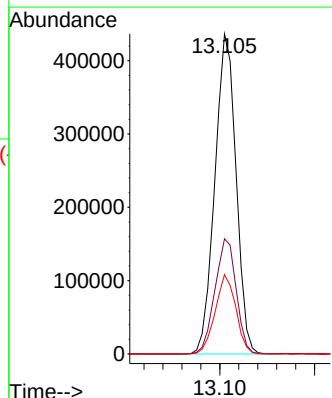
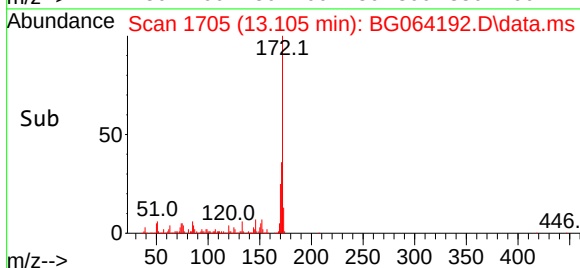
Tgt Ion:330 Resp: 195217
Ion Ratio Lower Upper
330 100
332 95.6 76.7 115.1
141 39.2 29.7 44.5

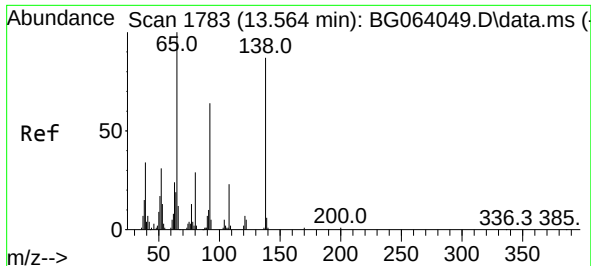


#45
2-Fluorobiphenyl
Concen: 112.833 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08



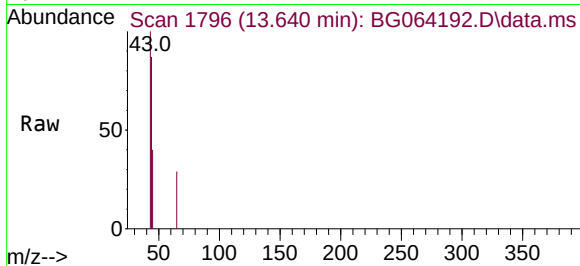
Tgt Ion:172 Resp: 677176
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 24.8 18.7 28.1



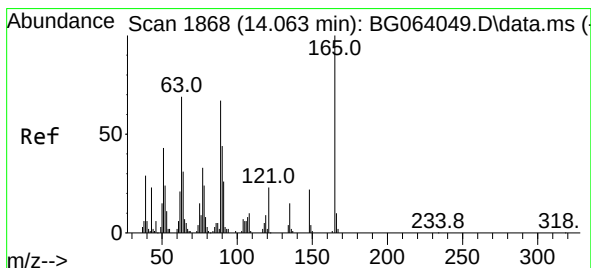
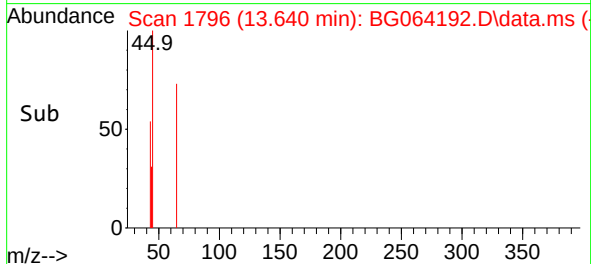
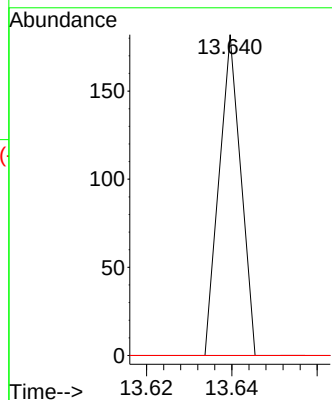


#48
2-Nitroaniline
Concen: 3.255 ng
RT: 13.640 min Scan# 1
Delta R.T. 0.076 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

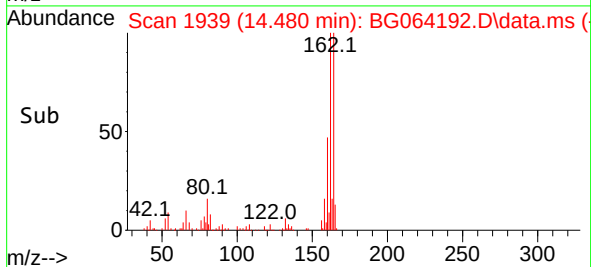
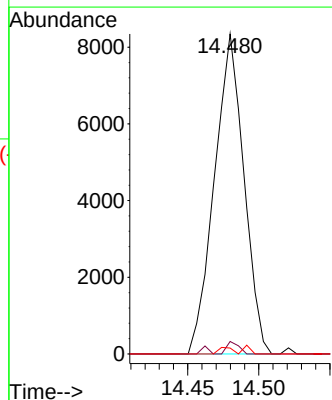
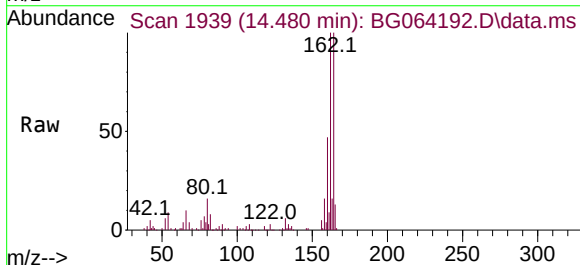


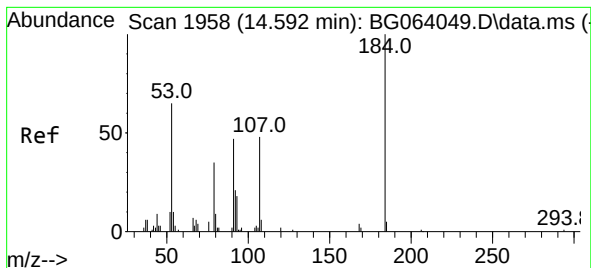
Tgt Ion: 65 Resp: 64
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.565 ng
RT: 14.480 min Scan# 1939
Delta R.T. 0.417 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

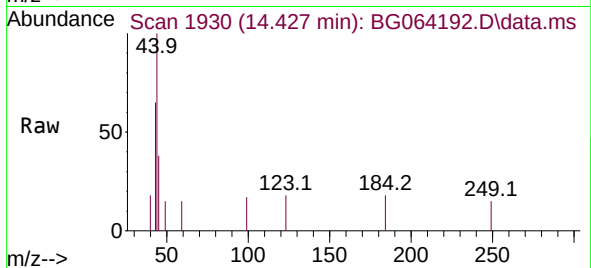
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Ion Ratio Lower Upper
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63 3.9 56.7 85.1#
89 1.9 53.7 80.5#



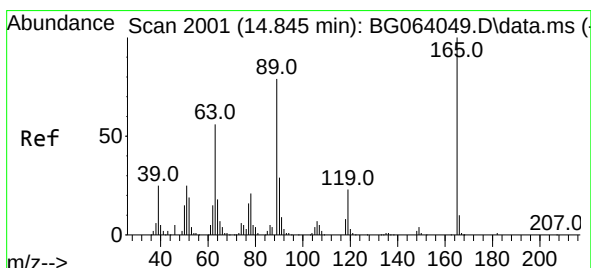
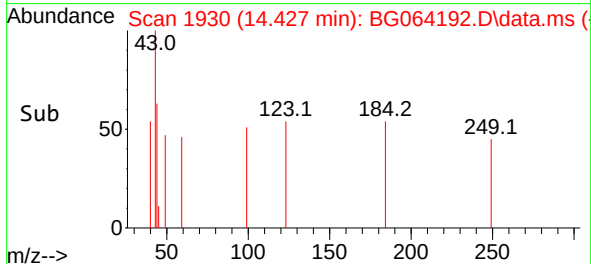
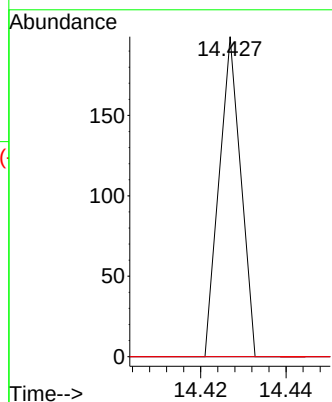


#54
2,4-Dinitrophenol
Concen: 7.993 ng
RT: 14.427 min Scan# 1930
Delta R.T. -0.165 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

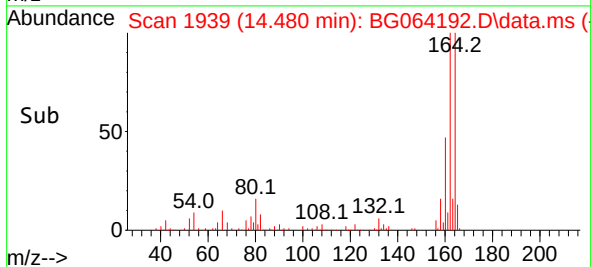
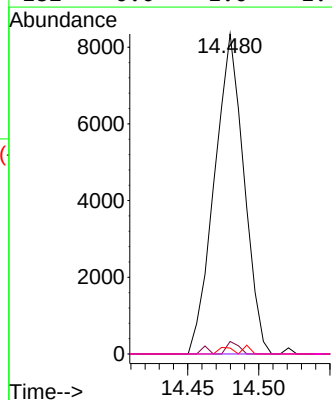
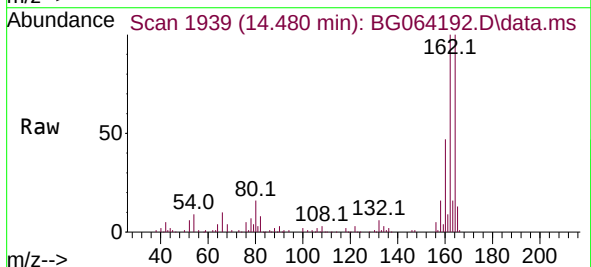


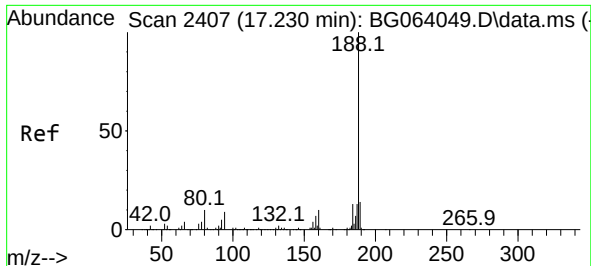
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



#57
2,4-Dinitrotoluene
Concen: 9.556 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.365 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

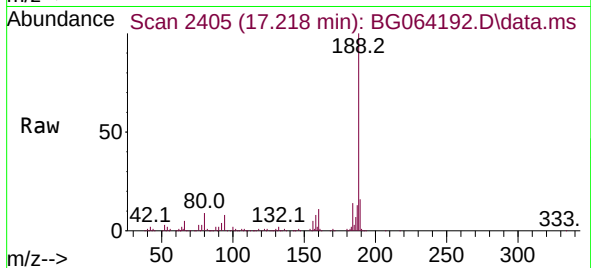
Tgt Ion:165 Resp: 12040
Ion Ratio Lower Upper
165 100
63 3.9 45.0 67.6#
89 1.9 63.1 94.7#
182 0.0 1.0 1.4#



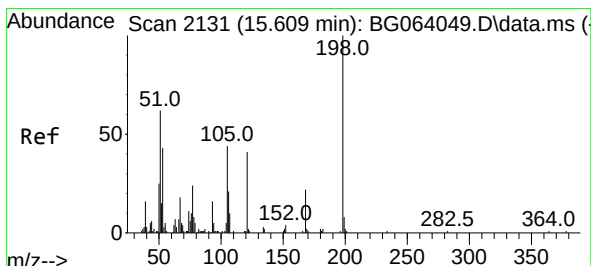
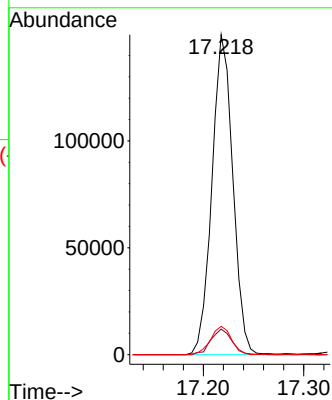
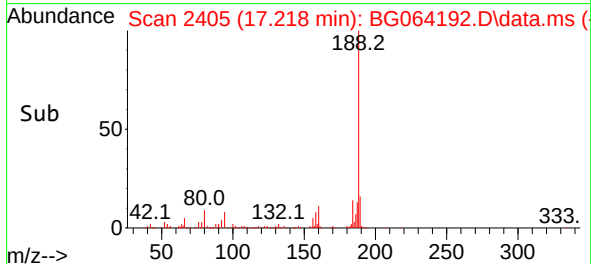


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

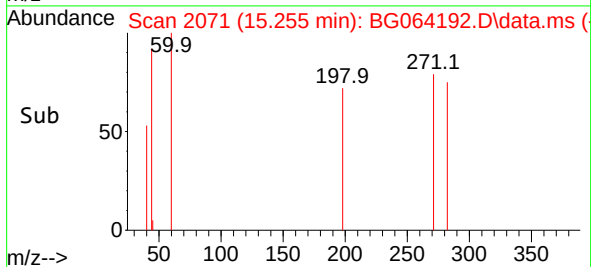
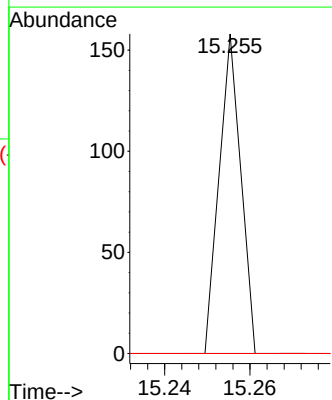
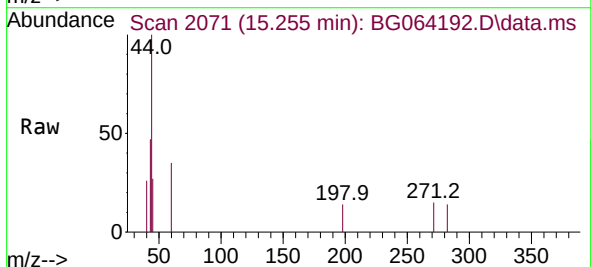


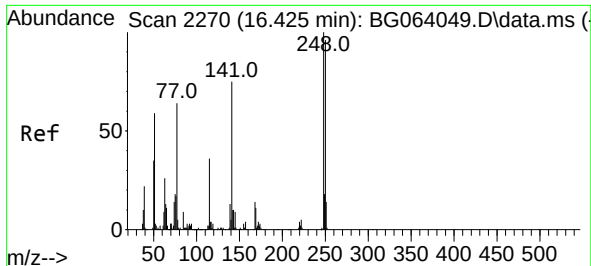
Tgt Ion:188 Resp: 216248
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.9 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 8.229 ng
RT: 15.255 min Scan# 2071
Delta R.T. -0.354 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

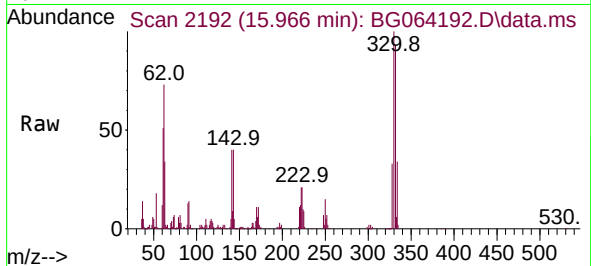
Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 0.0 25.3 65.3#



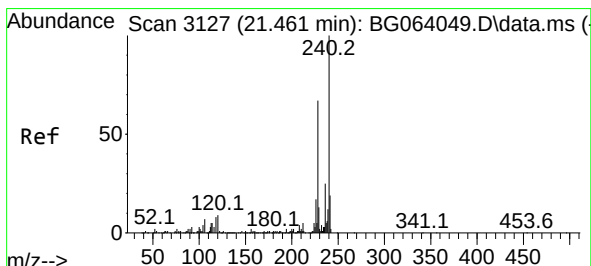
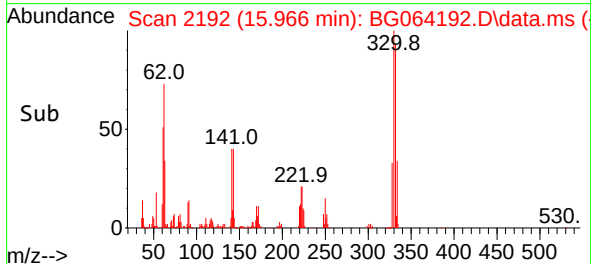
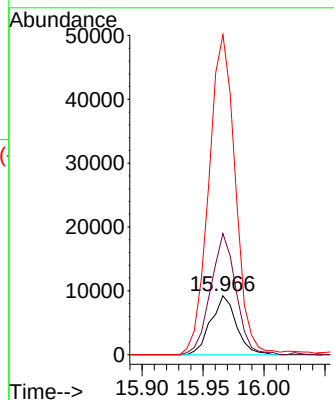


#67
4-Bromophenyl-phenylether
Concen: 6.061 ng
RT: 15.966 min Scan# 211
Delta R.T. -0.459 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

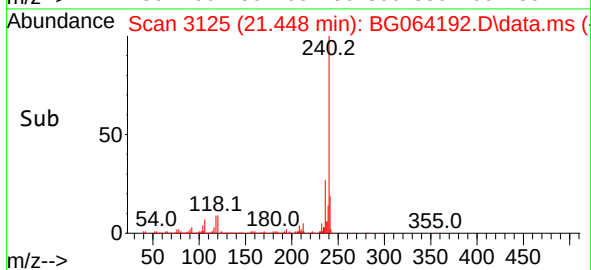
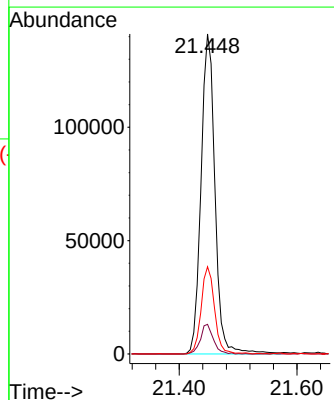
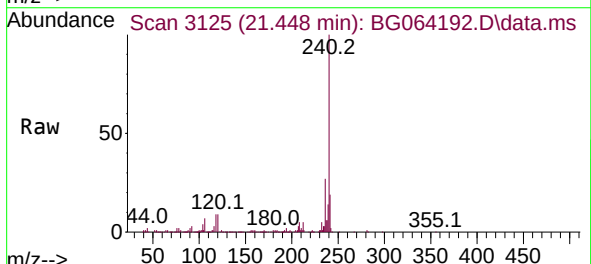


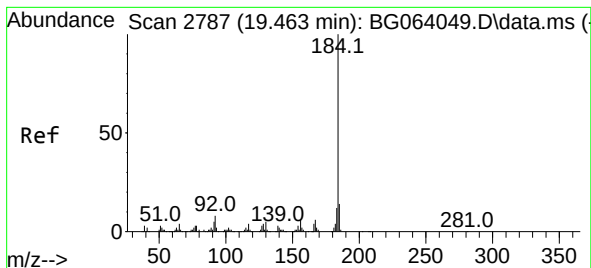
Tgt Ion:248 Resp: 13423
Ion Ratio Lower Upper
248 100
250 205.9 77.1 115.7#
141 543.7 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Tgt Ion:240 Resp: 231974
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 27.3 20.2 30.2





#77

Benzidine

Concen: 8.134 ng

RT: 19.838 min Scan# 2

Delta R.T. 0.375 min

Lab File: BG064192.D

Acq: 4 Apr 2025 8:08

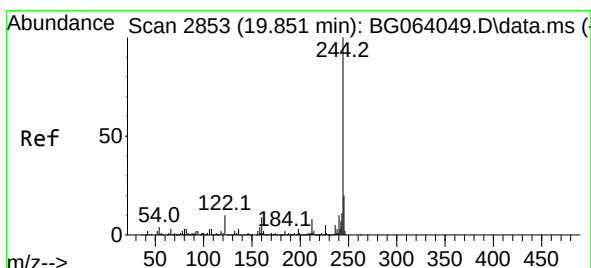
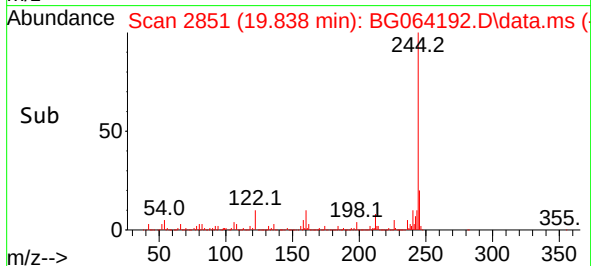
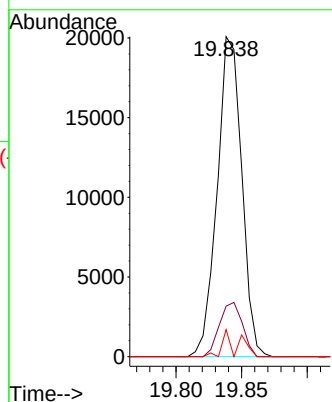
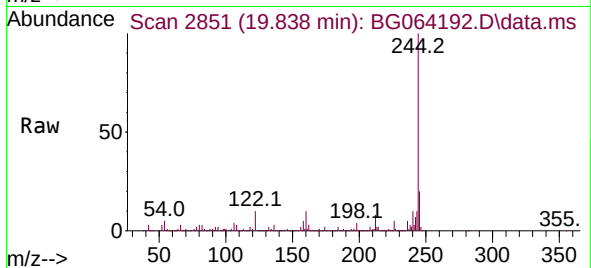
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:184 Resp: 26128

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.3	16.9
183	8.5	9.5	14.3



#79

Terphenyl-d14

Concen: 114.085 ng

RT: 19.844 min Scan# 2852

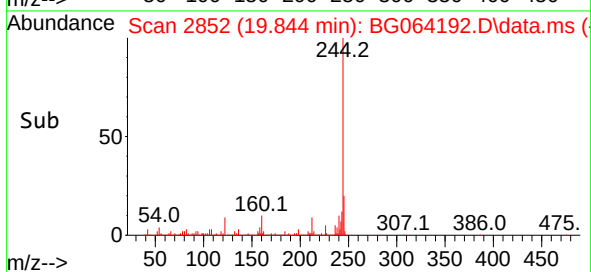
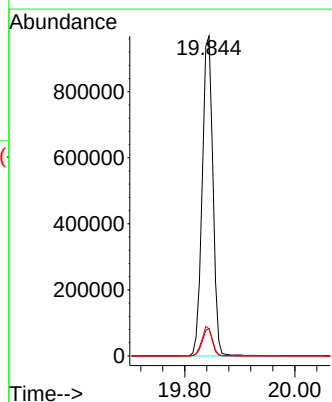
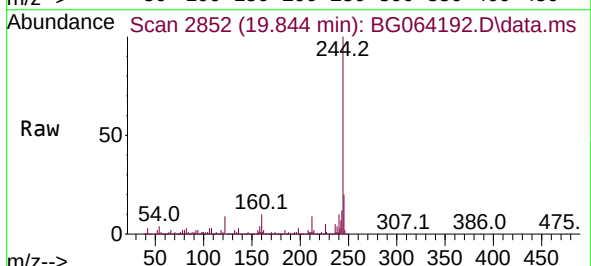
Delta R.T. -0.007 min

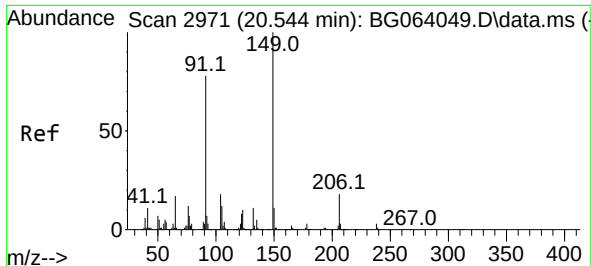
Lab File: BG064192.D

Acq: 4 Apr 2025 8:08

Tgt Ion:244 Resp: 1308842

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.2	9.4
122	8.5	8.0	12.0

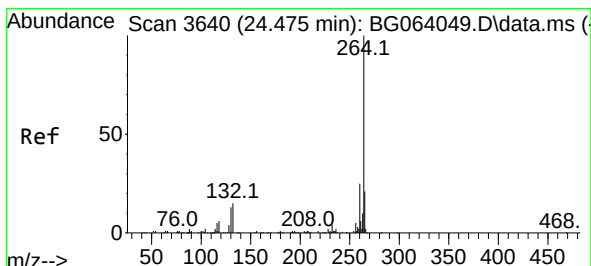
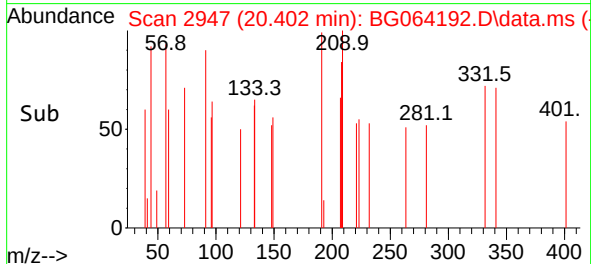
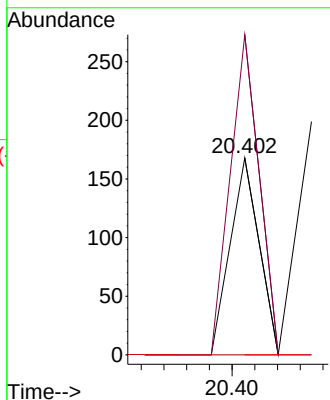
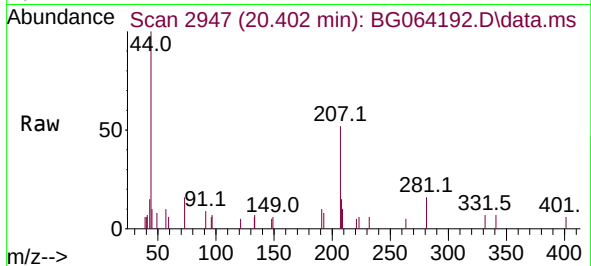




#80
Butylbenzylphthalate
Concen: 3.647 ng
RT: 20.402 min Scan# 2971
Delta R.T. -0.142 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 59
Ion Ratio Lower Upper
149 100
91 162.5 62.0 93.0#
206 0.0 14.6 21.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3637
Delta R.T. -0.018 min
Lab File: BG064192.D
Acq: 4 Apr 2025 8:08

Tgt Ion:264 Resp: 227340
Ion Ratio Lower Upper
264 100
260 22.3 19.6 29.4
265 21.9 16.6 25.0

