

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG064006.D
 Acq On : 5 Feb 2025 19:44
 Operator : RC/JU
 Sample : PB166339BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 01:28:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

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

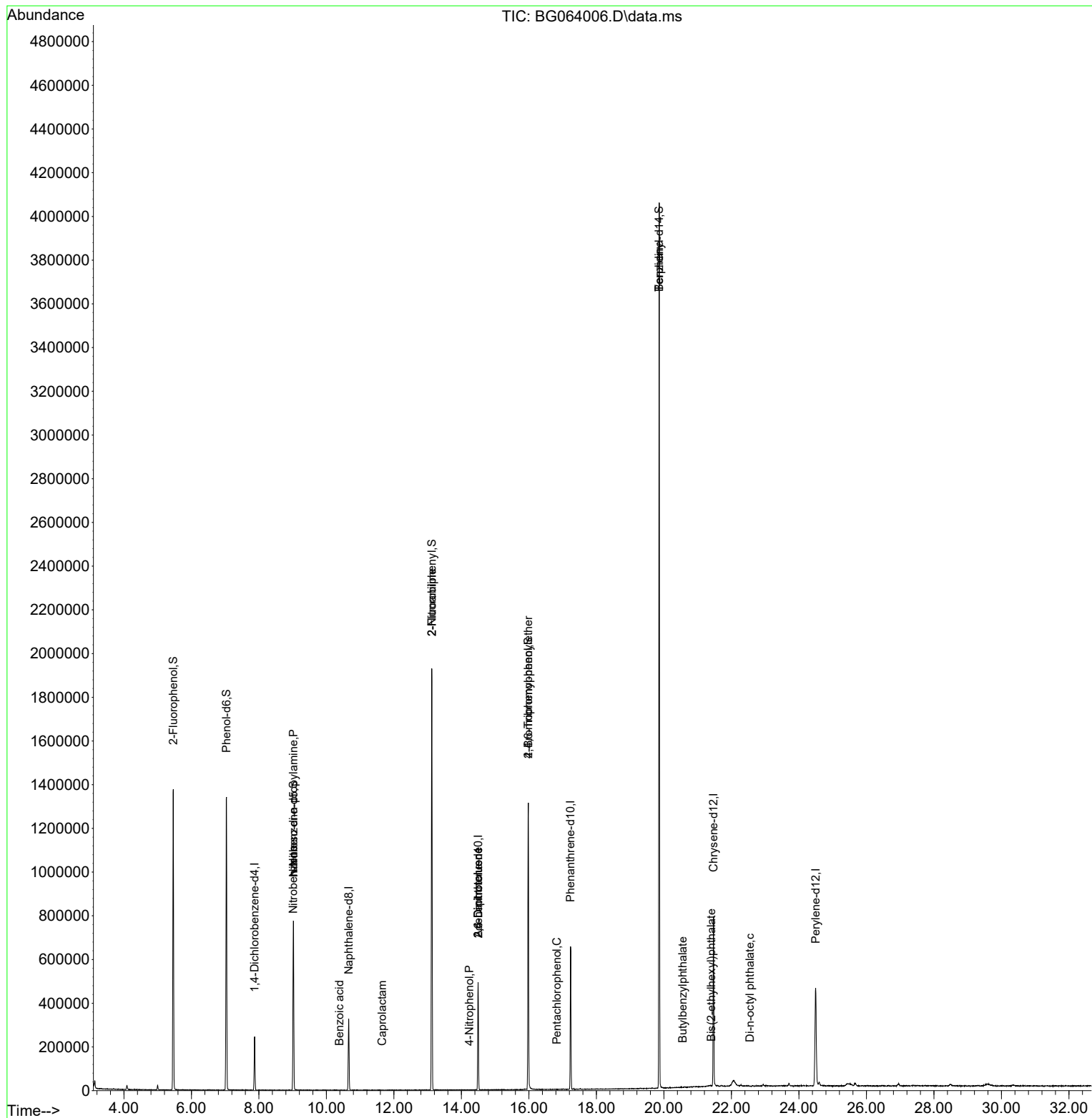
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	63484	20.000	ng	0.00
21) Naphthalene-d8	10.658	136	259668	20.000	ng	0.00
39) Acenaphthene-d10	14.495	164	167864	20.000	ng	0.00
64) Phenanthrene-d10	17.233	188	391472	20.000	ng	0.00
76) Chrysene-d12	21.469	240	435756	20.000	ng	0.00
86) Perylene-d12	24.495	264	459826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	552311	139.489	ng	0.00
7) Phenol-d6	7.039	99	708253	130.343	ng	0.00
23) Nitrobenzene-d5	9.025	82	437210	102.329	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	242088	125.433	ng	0.00
45) 2-Fluorobiphenyl	13.126	172	982060	89.635	ng	0.00
79) Terphenyl-d14	19.859	244	1933457	92.665	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.025	70	57468	15.272	ng	# 77
24) Nitrobenzene	9.013	77	1297	4.067	ng	# 30
32) Benzoic acid	10.382	122	77	5.278	ng	# 1
35) Caprolactam	11.651	113	54	5.354	ng	# 1
48) 2-Nitroaniline	13.126	65	2053	5.171	ng	# 1
51) 2,6-Dinitrotoluene	14.495	165	23176	15.607	ng	# 15
56) 4-Nitrophenol	14.230	139	93	8.473	ng	# 1
57) 2,4-Dinitrotoluene	14.495	165	23176	13.583	ng	# 18
67) 4-Bromophenyl-phenylether	15.981	248	15224	3.907	ng	# 1
70) Pentachlorophenol	16.827	266	118	8.725	ng	# 17
77) Benzidine	19.859	184	28808	3.105	ng	# 94
80) Butylbenzylphthalate	20.552	149	148	5.570	ng	# 19
84) Bis(2-ethylhexyl)phtha...	21.404	149	72	4.472	ng	# 52
85) Di-n-octyl phthalate	22.550	149	135	6.946	ng	# 57

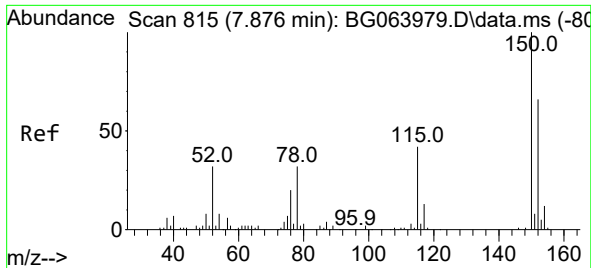
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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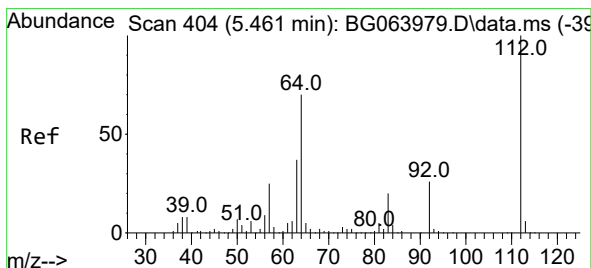
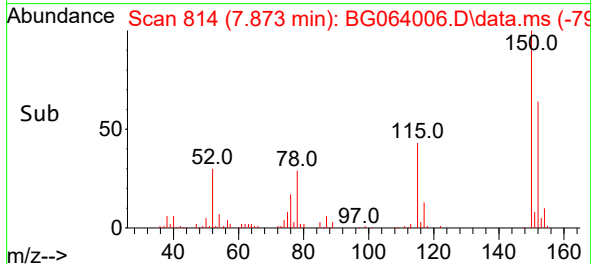
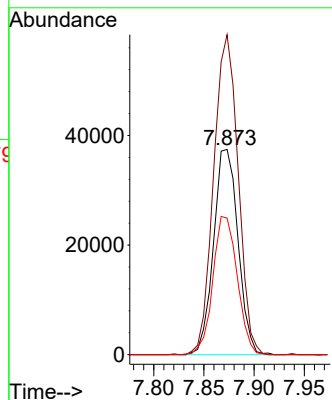
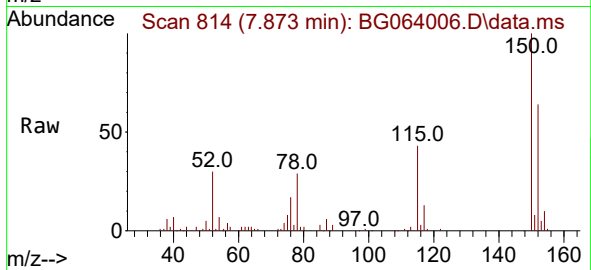




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.873 min Scan# 815
Delta R.T. -0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

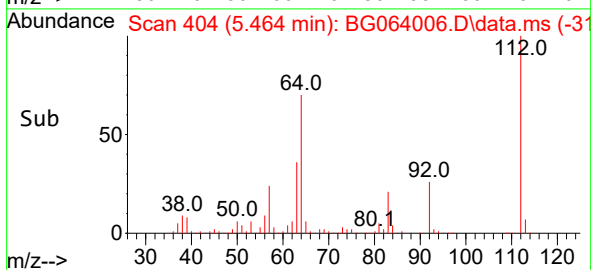
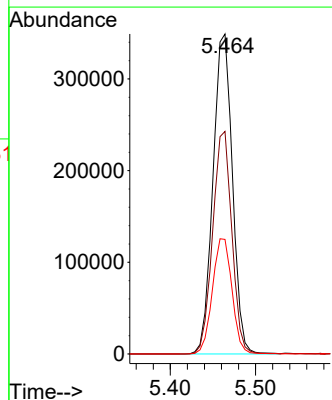
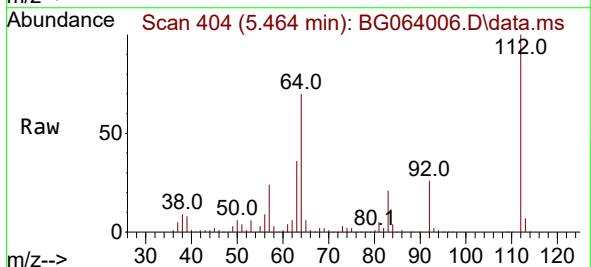
Instrument :
BNA_G
ClientSampleId :

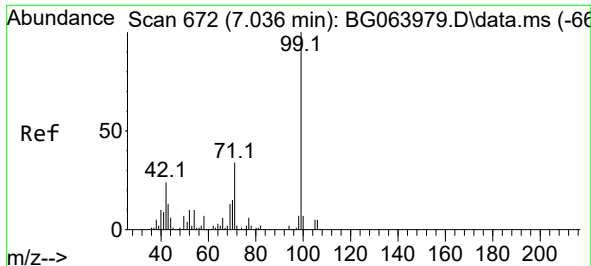
Tgt Ion:152 Resp: 63484
Ion Ratio Lower Upper
152 100
150 155.9 121.0 181.6
115 66.6 50.4 75.6



#5
2-Fluorophenol
Concen: 139.489 ng
RT: 5.464 min Scan# 404
Delta R.T. 0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Tgt Ion:112 Resp: 552311
Ion Ratio Lower Upper
112 100
64 69.5 55.8 83.8
63 35.8 29.3 43.9

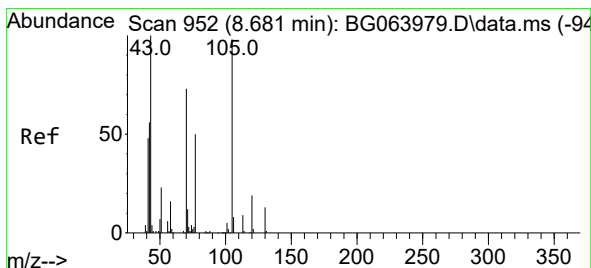
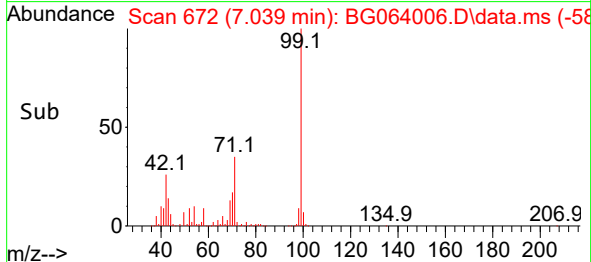
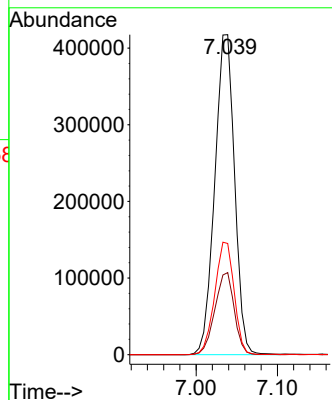
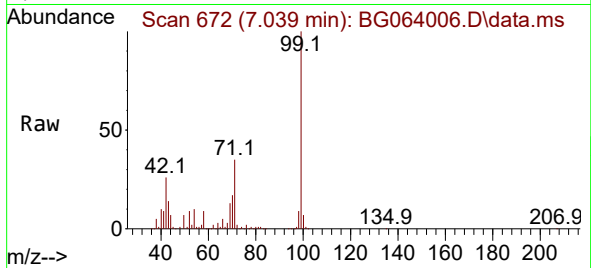




#7
Phenol-d6
Concen: 130.343 ng
RT: 7.039 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

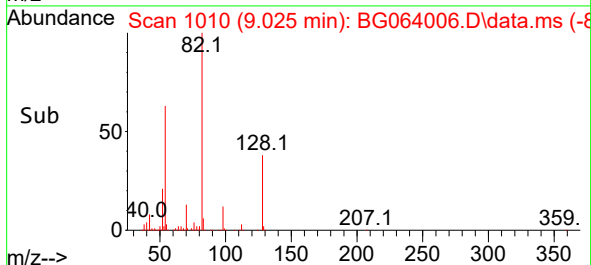
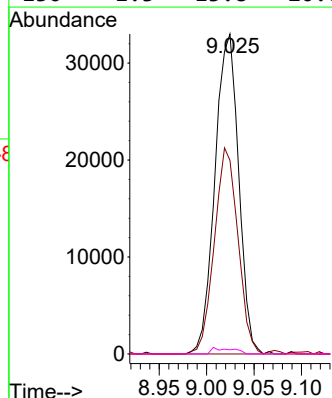
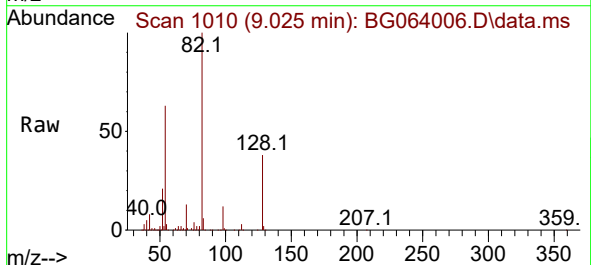
Instrument :
BNA_G
ClientSampleId :

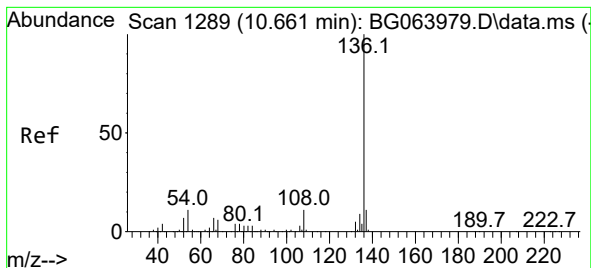
Tgt Ion: 99 Resp: 708253
Ion Ratio Lower Upper
99 100
42 25.7 18.9 28.3
71 34.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.272 ng
RT: 9.025 min Scan# 1010
Delta R.T. 0.343 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Tgt Ion: 70 Resp: 57468
Ion Ratio Lower Upper
70 100
42 60.5 62.2 93.4#
101 0.0 5.6 8.4#
130 1.3 13.8 20.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.658 min Scan# 11

Delta R.T. -0.003 min

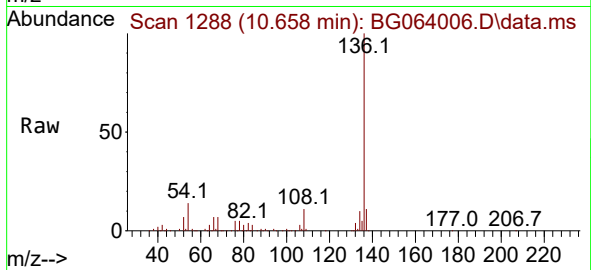
Lab File: BG064006.D

Acq: 5 Feb 2025 19:44

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:136 Resp: 259668

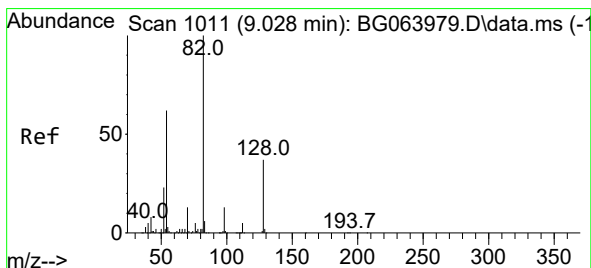
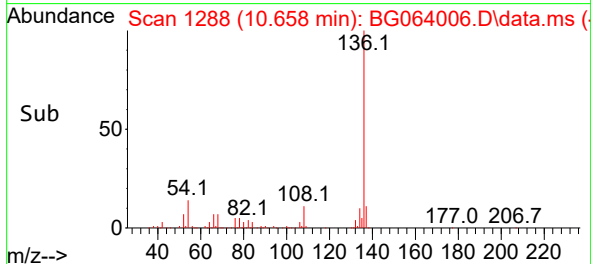
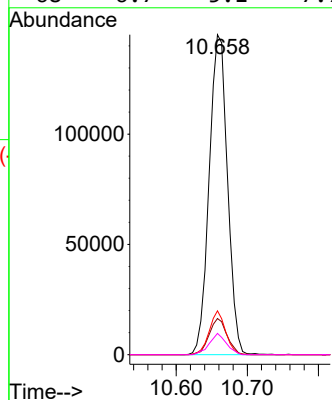
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 13.7 9.2 13.8

68 6.7 5.1 7.7



#23

Nitrobenzene-d5

Concen: 102.329 ng

RT: 9.025 min Scan# 1010

Delta R.T. -0.003 min

Lab File: BG064006.D

Acq: 5 Feb 2025 19:44

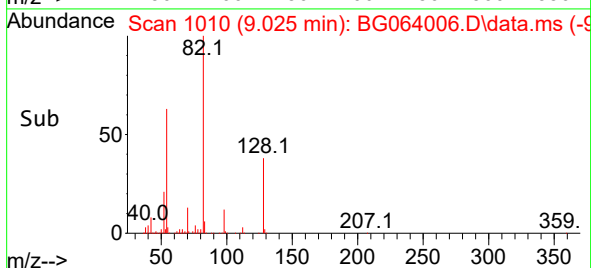
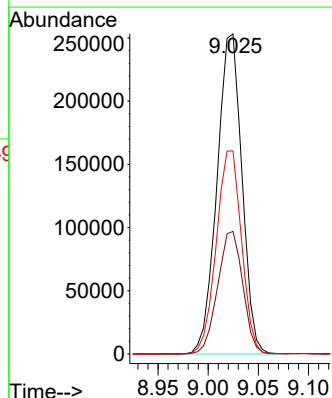
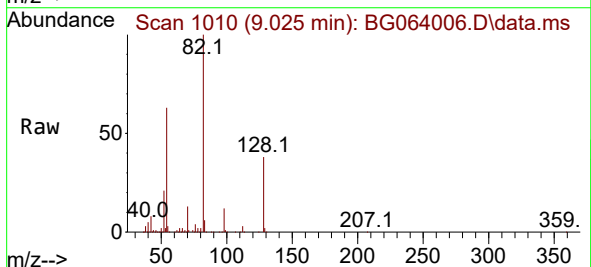
Tgt Ion: 82 Resp: 437210

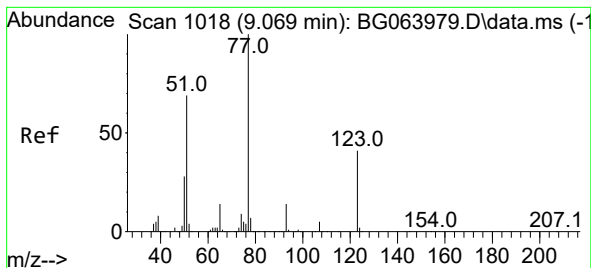
Ion Ratio Lower Upper

82 100

128 38.3 29.4 44.2

54 63.5 49.9 74.9

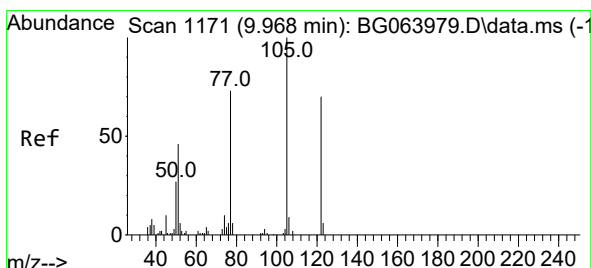
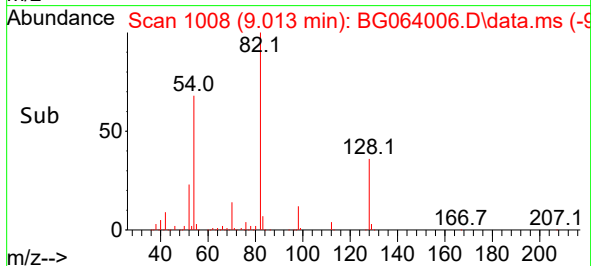
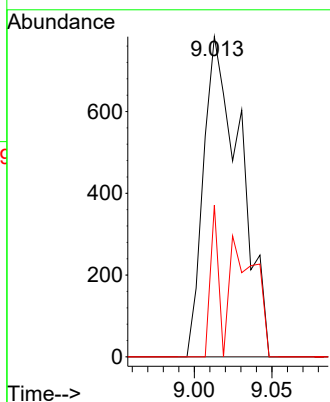
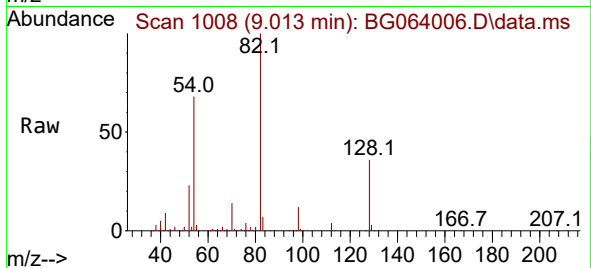




#24
Nitrobenzene
Concen: 4.067 ng
RT: 9.013 min Scan# 1018
Delta R.T. -0.056 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

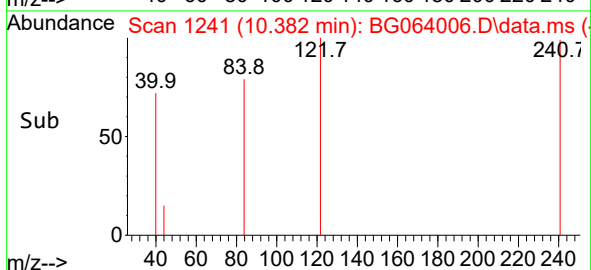
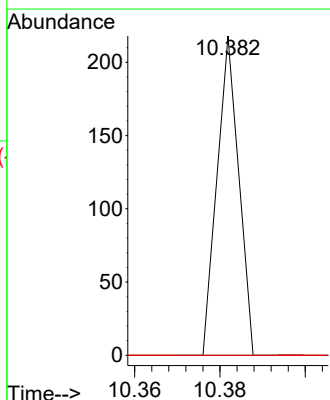
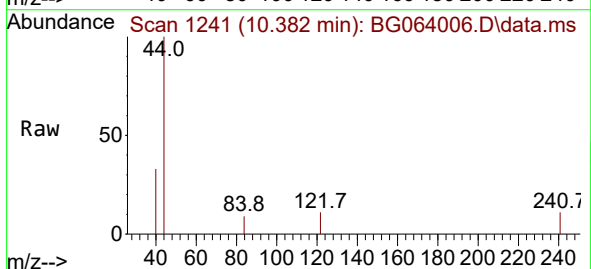
Instrument :
BNA_G
ClientSampleId :

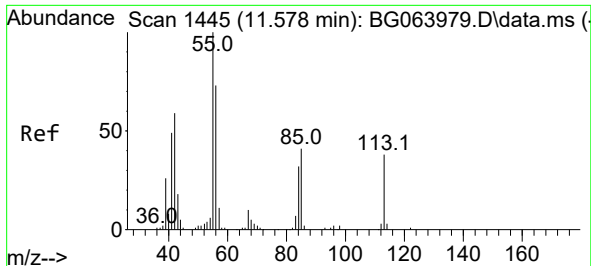
Tgt Ion: 77 Resp: 1297
Ion Ratio Lower Upper
77 100
123 0.0 32.9 49.3#
65 47.4 11.0 16.6#



#32
Benzoic acid
Concen: 5.278 ng
RT: 10.382 min Scan# 1241
Delta R.T. 0.414 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

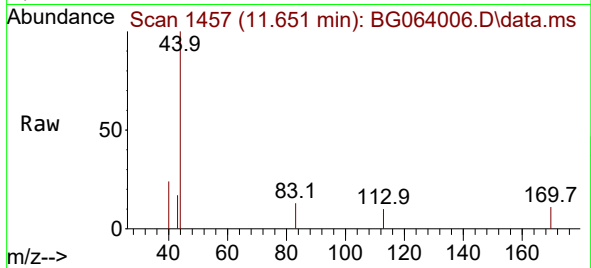
Tgt Ion:122 Resp: 77
Ion Ratio Lower Upper
122 100
105 0.0 117.9 157.9#
77 0.0 83.9 123.9#



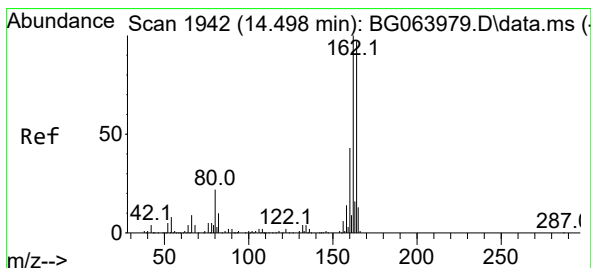
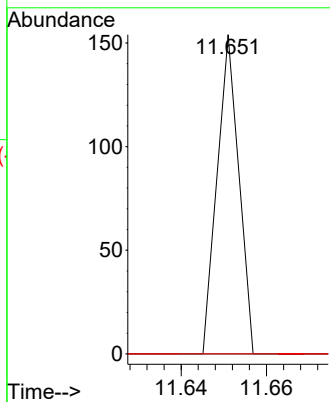
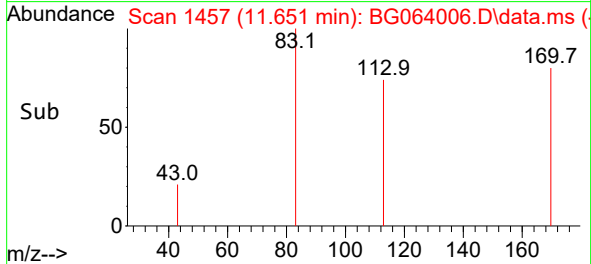


#35
 Caprolactam
 Concen: 5.354 ng
 RT: 11.651 min Scan# 1445
 Delta R.T. 0.073 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44

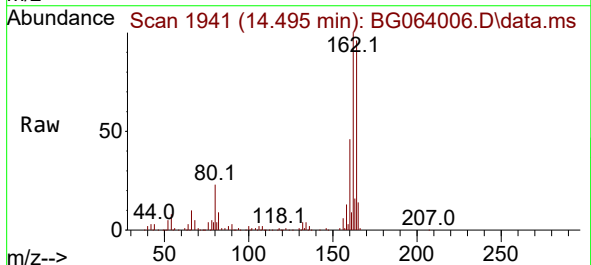
Instrument :
 BNA_G
 ClientSampleId :



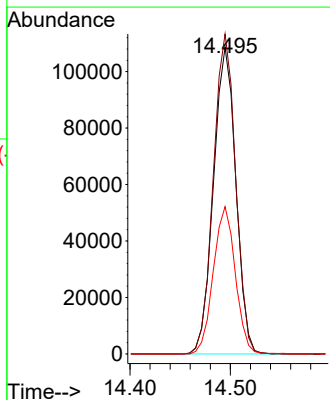
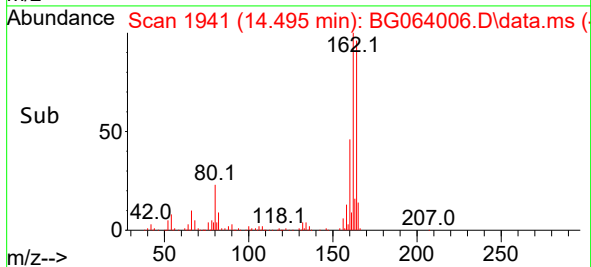
Tgt Ion:113 Resp: 54
 Ion Ratio Lower Upper
 113 100
 55 0.0 241.8 281.8#
 56 0.0 171.5 211.5#

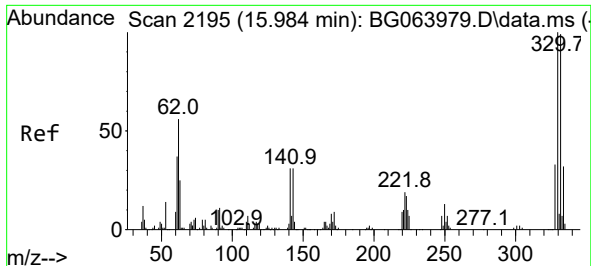


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.495 min Scan# 1941
 Delta R.T. -0.003 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44



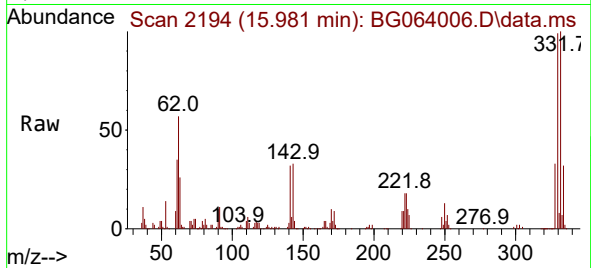
Tgt Ion:164 Resp: 167864
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.3 123.5
 160 48.0 35.4 53.0



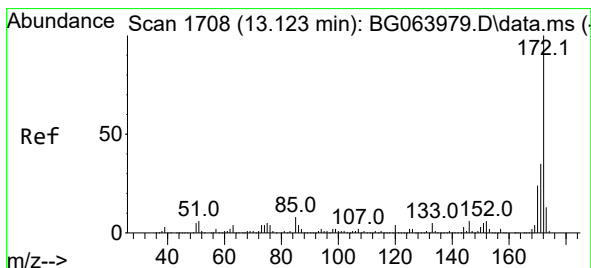
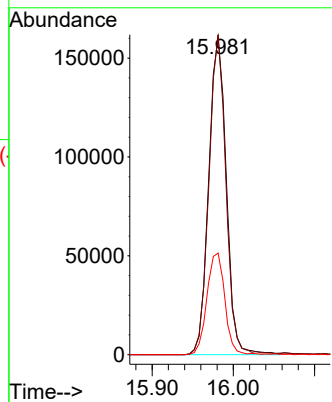
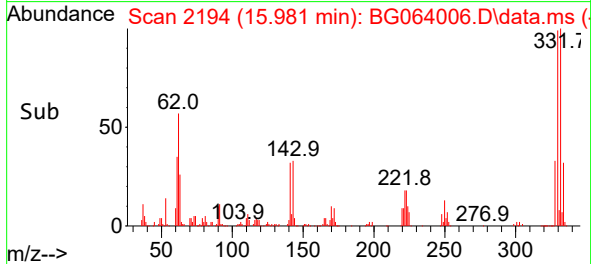


#42
2,4,6-Tribromophenol
Concen: 125.433 ng
RT: 15.981 min Scan# 2195
Delta R.T. -0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

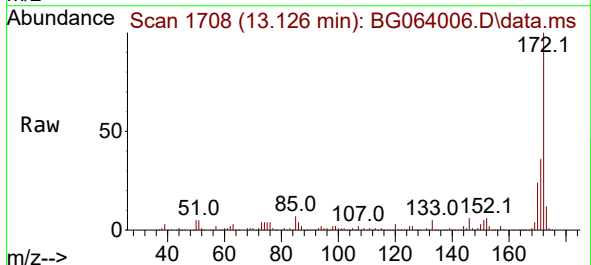
Instrument :
BNA_G
ClientSampleId :



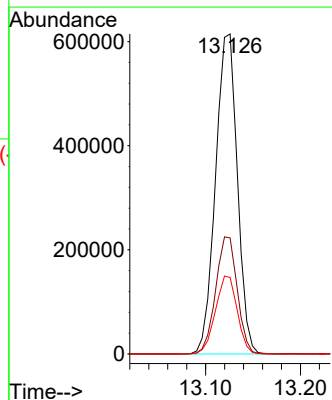
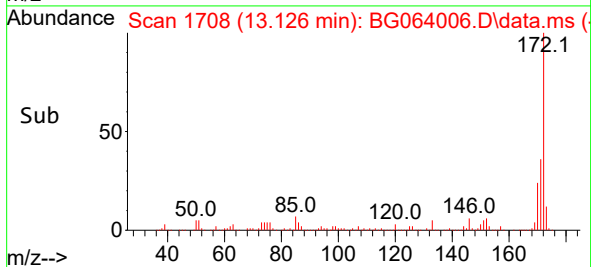
Tgt Ion:330 Resp: 242088
Ion Ratio Lower Upper
330 100
332 97.0 79.0 118.6
141 32.7 27.2 40.8

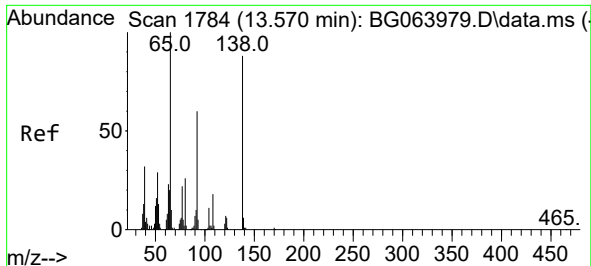


#45
2-Fluorobiphenyl
Concen: 89.635 ng
RT: 13.126 min Scan# 1708
Delta R.T. 0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44



Tgt Ion:172 Resp: 982060
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 23.9 19.4 29.2

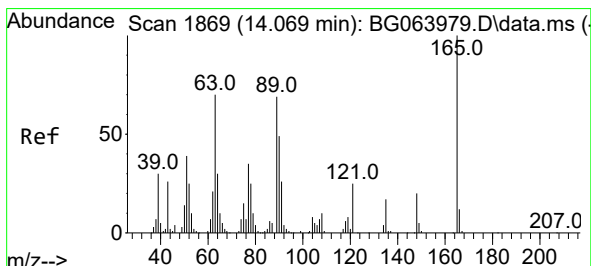
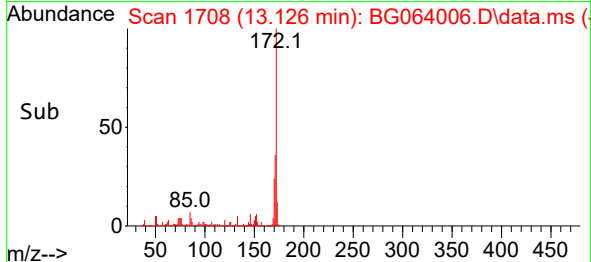
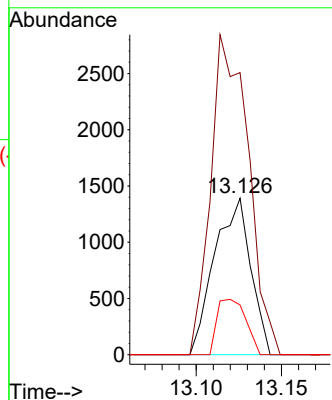
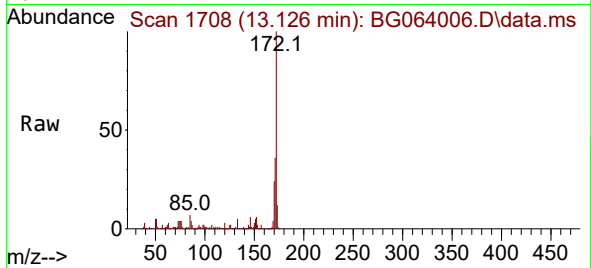




#48
2-Nitroaniline
Concen: 5.171 ng
RT: 13.126 min Scan# 11
Delta R.T. -0.444 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

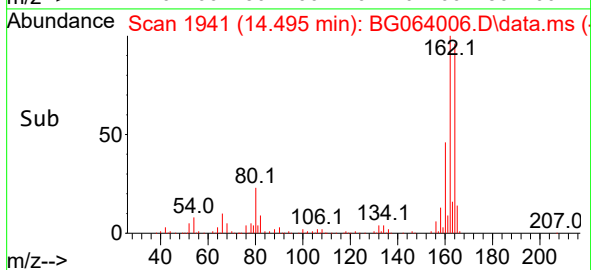
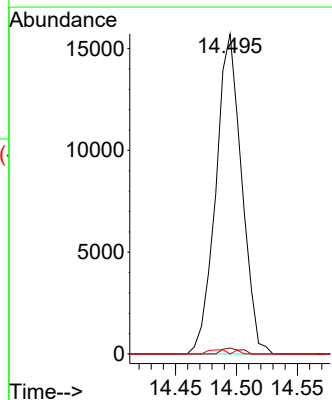
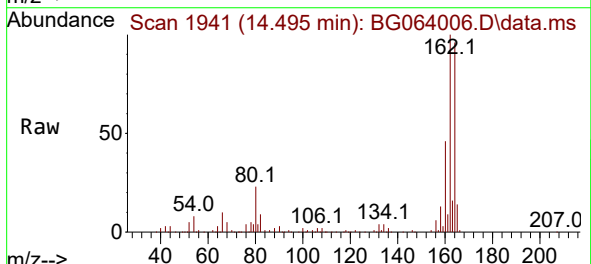
Instrument :
BNA_G
ClientSampleId :

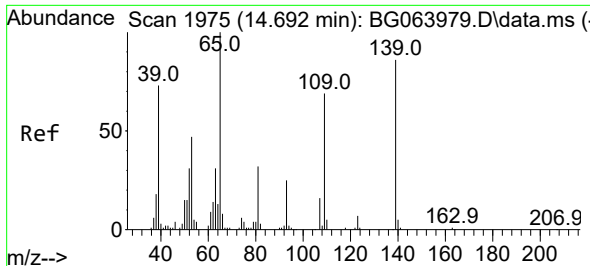
Tgt Ion: 65 Resp: 2053
Ion Ratio Lower Upper
65 100
92 180.3 47.6 71.4#
138 31.8 70.6 106.0#



#51
2,6-Dinitrotoluene
Concen: 15.607 ng
RT: 14.495 min Scan# 1941
Delta R.T. 0.426 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

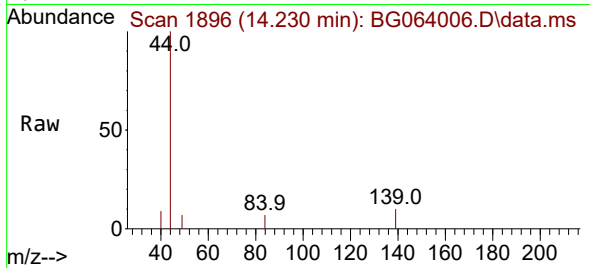
Tgt Ion:165 Resp: 23176
Ion Ratio Lower Upper
165 100
63 1.9 57.7 86.5#
89 0.0 55.6 83.4#



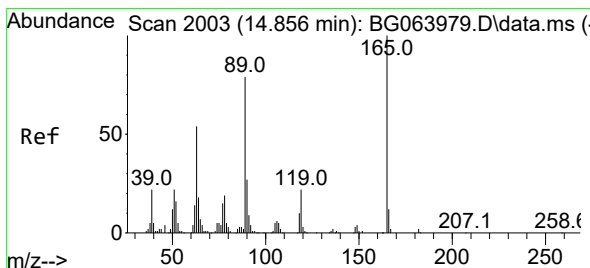
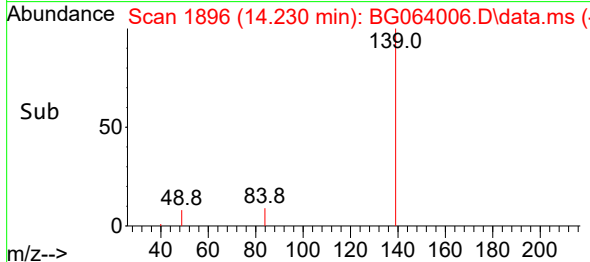
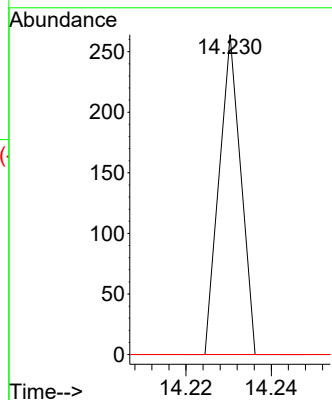


#56
4-Nitrophenol
Concen: 8.473 ng
RT: 14.230 min Scan# 11
Delta R.T. -0.462 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Instrument :
BNA_G
ClientSampleId :

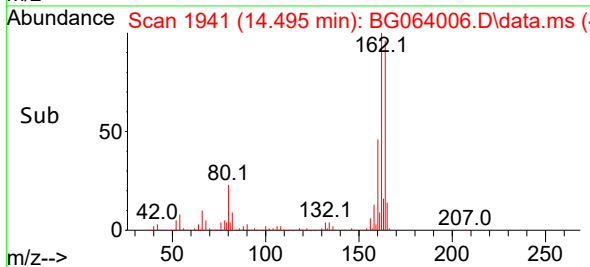
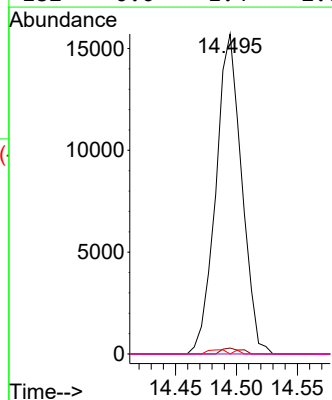
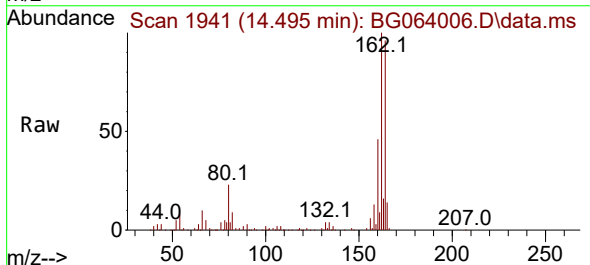


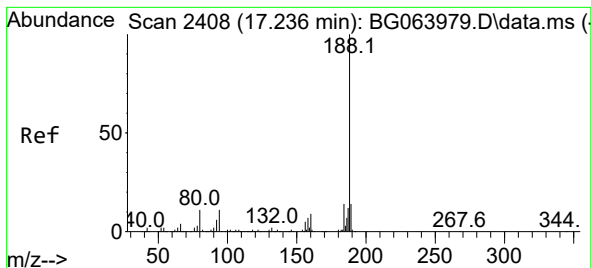
Tgt Ion:139 Resp: 93
Ion Ratio Lower Upper
139 100
109 0.0 60.1 100.1#
65 0.0 96.2 136.2#



#57
2,4-Dinitrotoluene
Concen: 13.583 ng
RT: 14.495 min Scan# 1941
Delta R.T. -0.361 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Tgt Ion:165 Resp: 23176
Ion Ratio Lower Upper
165 100
63 1.9 43.6 65.4#
89 0.0 63.1 94.7#
182 0.0 1.4 2.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.233 min Scan# 2408

Delta R.T. -0.003 min

Lab File: BG064006.D

Acq: 5 Feb 2025 19:44

Instrument :

BNA_G

ClientSampleId :

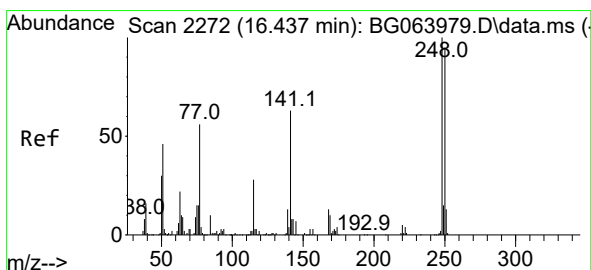
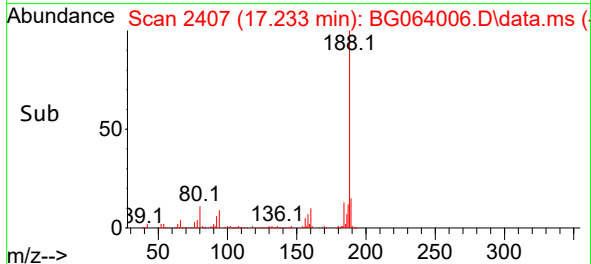
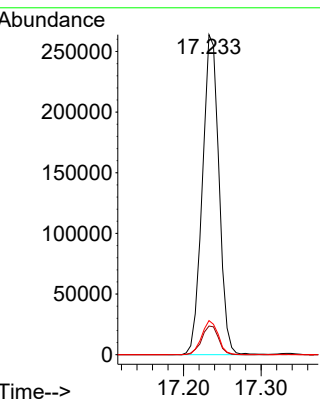
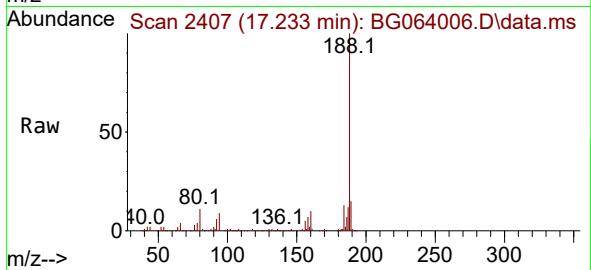
Tgt Ion:188 Resp: 391472

Ion Ratio Lower Upper

188 100

94 9.0 8.6 13.0

80 10.6 8.5 12.7



#67

4-Bromophenyl-phenylether

Concen: 3.907 ng

RT: 15.981 min Scan# 2194

Delta R.T. -0.456 min

Lab File: BG064006.D

Acq: 5 Feb 2025 19:44

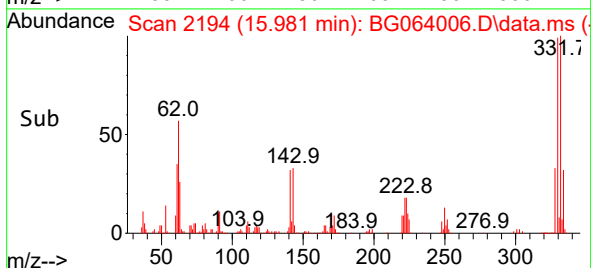
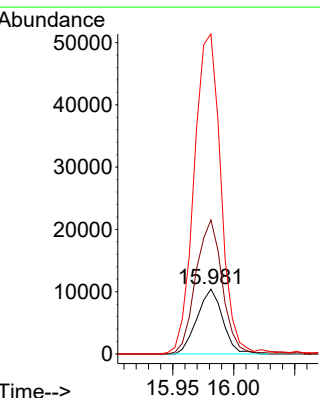
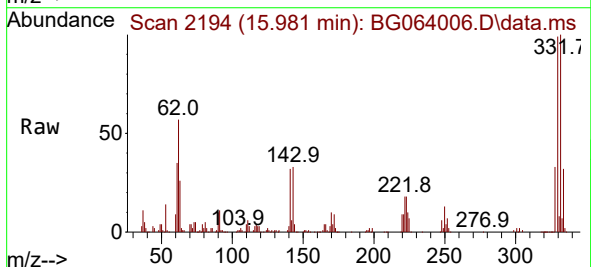
Tgt Ion:248 Resp: 15224

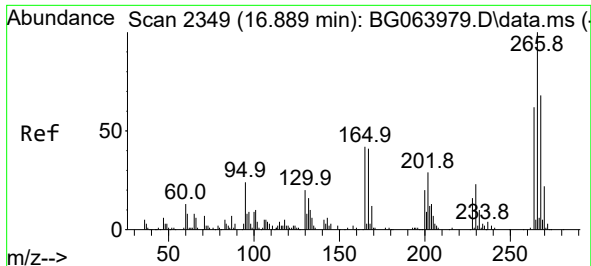
Ion Ratio Lower Upper

248 100

250 207.1 76.2 114.4#

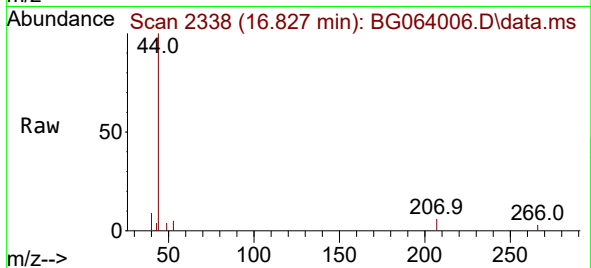
141 494.4 50.6 75.8#



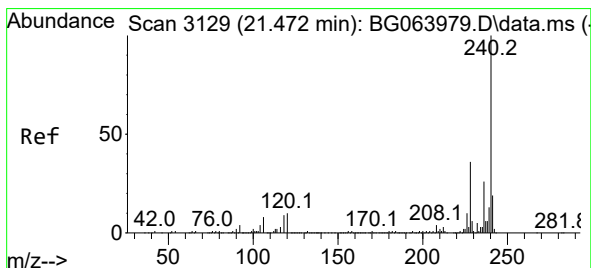
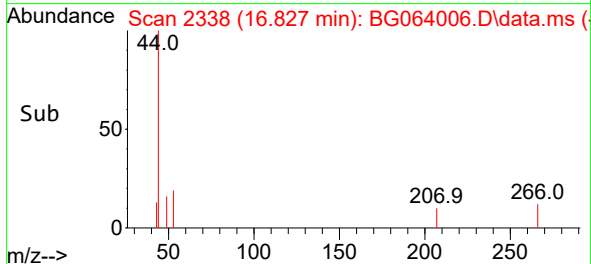
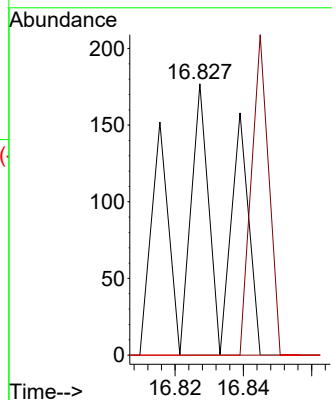


#70
 Pentachlorophenol
 Concen: 8.725 ng
 RT: 16.827 min Scan# 21
 Delta R.T. -0.062 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44

Instrument :
 BNA_G
 ClientSampleId :

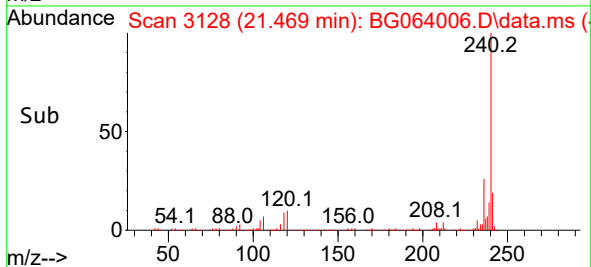
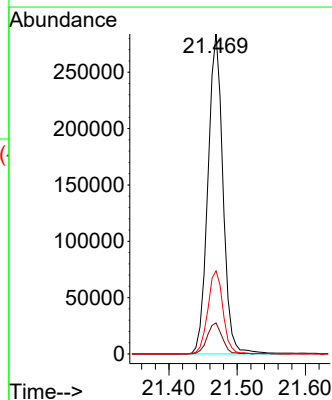
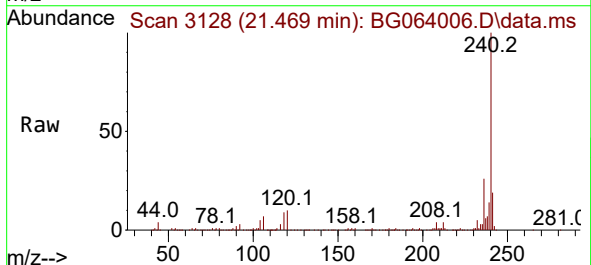


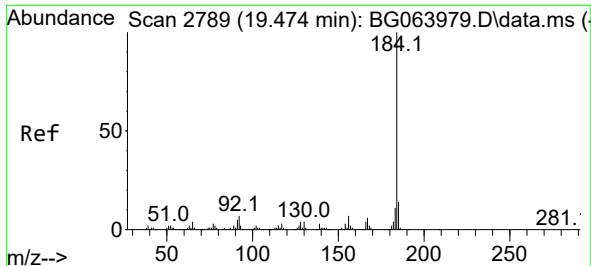
Tgt Ion:266 Resp: 118
 Ion Ratio Lower Upper
 266 100
 268 0.0 54.8 82.2#
 264 0.0 50.0 75.0#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.469 min Scan# 3128
 Delta R.T. -0.003 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44

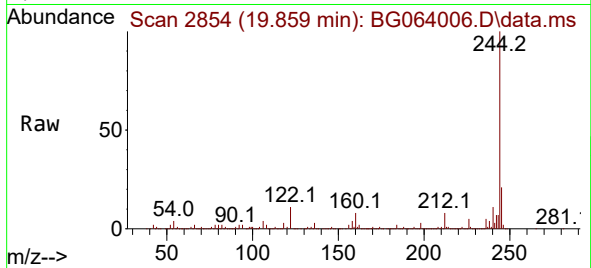
Tgt Ion:240 Resp: 435756
 Ion Ratio Lower Upper
 240 100
 120 9.7 7.9 11.9
 236 26.0 21.0 31.6



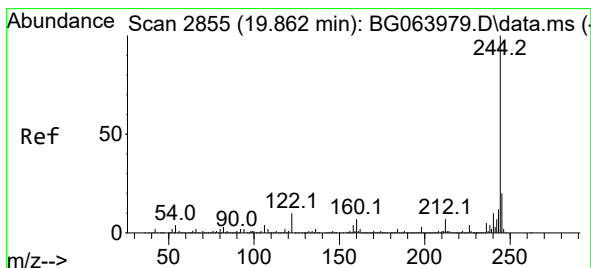
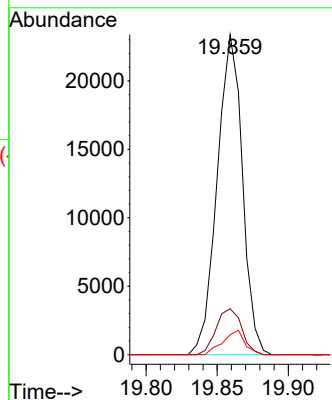


#77
Benzidine
Concen: 3.105 ng
RT: 19.859 min Scan# 2854
Delta R.T. 0.385 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Instrument :
BNA_G
ClientSampleId :

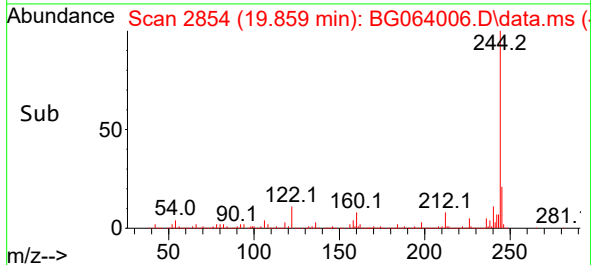
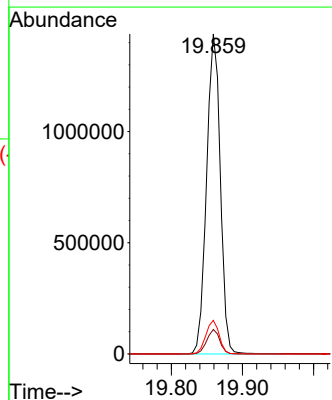
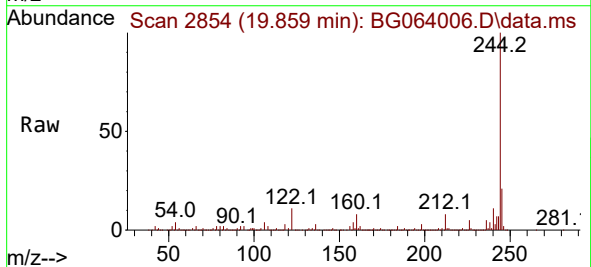


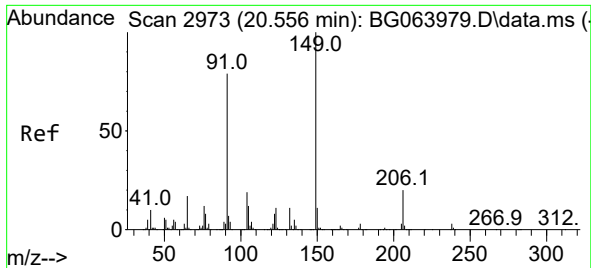
Tgt Ion:184 Resp: 28808
Ion Ratio Lower Upper
184 100
185 14.4 11.2 16.8
183 6.2 8.7 13.1#



#79
Terphenyl-d14
Concen: 92.665 ng
RT: 19.859 min Scan# 2854
Delta R.T. -0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Tgt Ion:244 Resp: 1933457
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.8
122 10.5 7.7 11.5

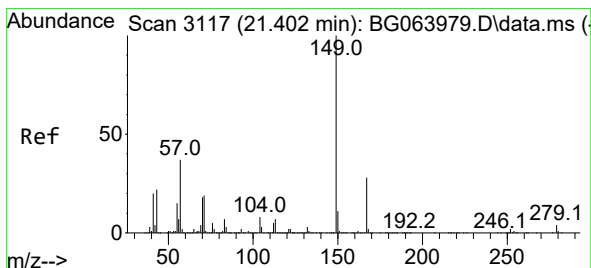
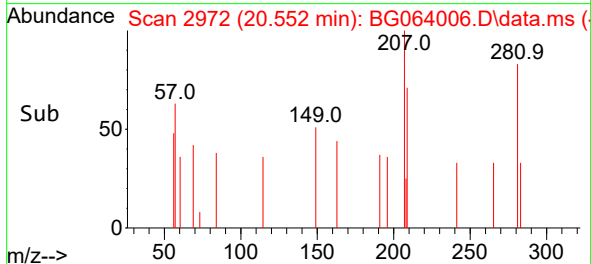
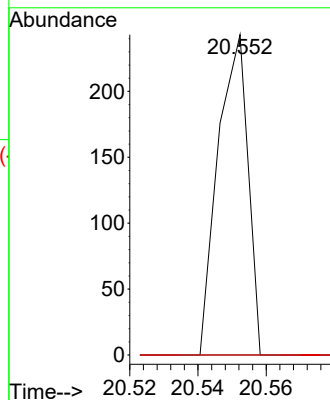
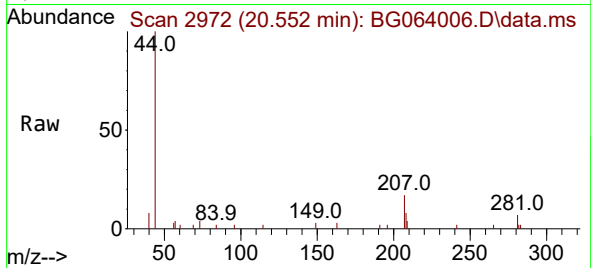




#80
 Butylbenzylphthalate
 Concen: 5.570 ng
 RT: 20.552 min Scan# 2972
 Delta R.T. -0.004 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44

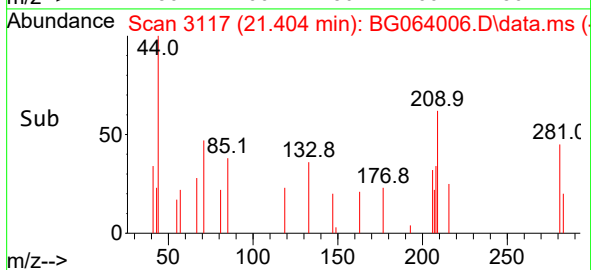
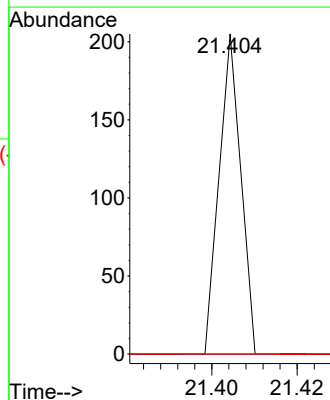
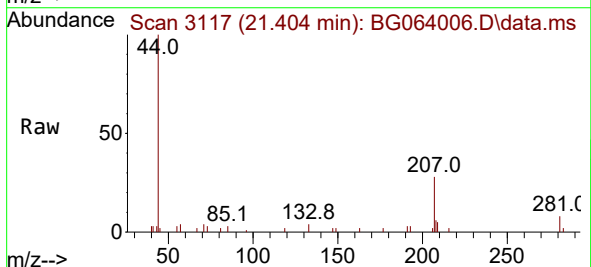
Instrument :
 BNA_G
 ClientSampleId :

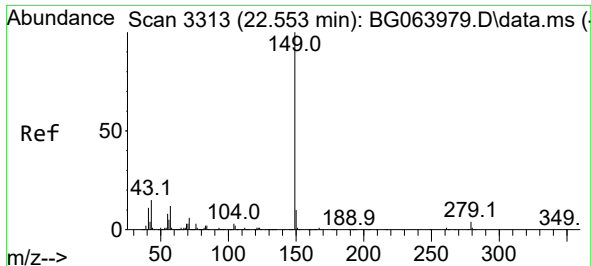
Tgt Ion:149 Resp: 148
 Ion Ratio Lower Upper
 149 100
 91 0.0 63.0 94.6#
 206 0.0 15.8 23.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.472 ng
 RT: 21.404 min Scan# 3117
 Delta R.T. 0.002 min
 Lab File: BG064006.D
 Acq: 5 Feb 2025 19:44

Tgt Ion:149 Resp: 72
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.5 33.7#
 279 0.0 3.0 4.4#

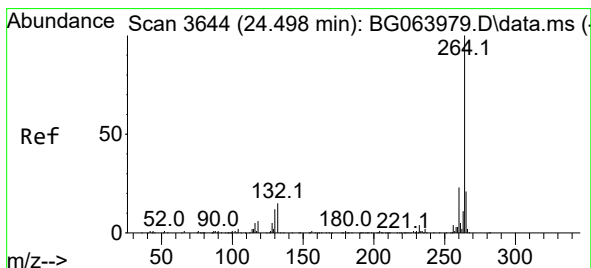
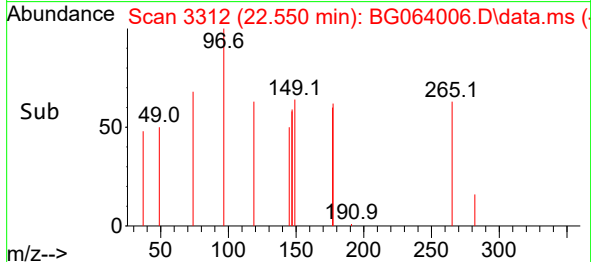
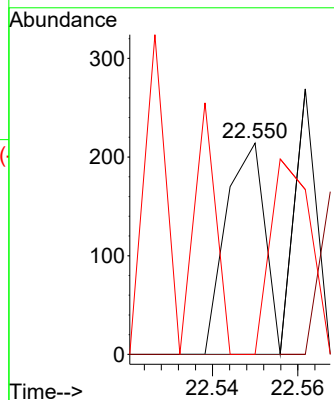
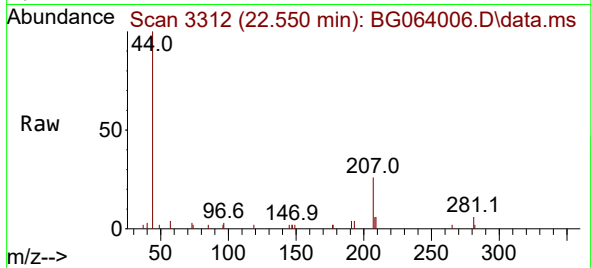




#85
Di-n-octyl phthalate
Concen: 6.946 ng
RT: 22.550 min Scan# 311
Delta R.T. -0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 135
Ion Ratio Lower Upper
149 100
167 43.0 1.2 1.8#
43 0.0 12.3 18.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.495 min Scan# 3643
Delta R.T. -0.003 min
Lab File: BG064006.D
Acq: 5 Feb 2025 19:44

Tgt Ion:264 Resp: 459826
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.3 16.6 24.8

