

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
 Data File : BG055786.D
 Acq On : 25 Nov 2022 18:40
 Operator : CG/JU
 Sample : N5741-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 26 00:28:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

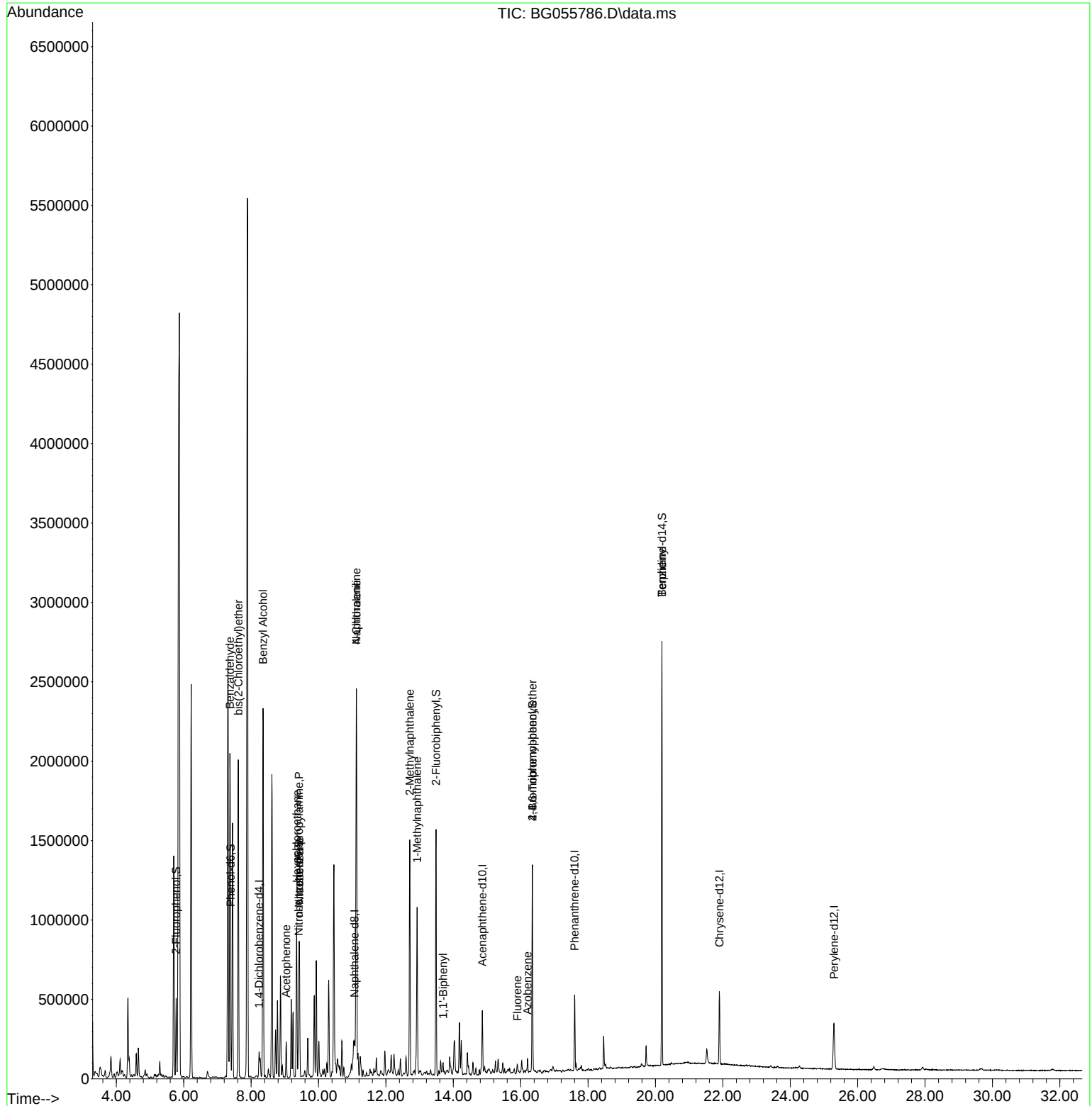
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.234	152	47650	20.000	ng	0.00
21) Naphthalene-d8	11.066	136	188125	20.000	ng	0.00
39) Acenaphthene-d10	14.862	164	136817	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	303959	20.000	ng	0.00
76) Chrysene-d12	21.895	240	302601	20.000	ng	0.00
86) Perylene-d12	25.297	264	312220	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.773	112	214391	81.325	ng	0.00
7) Phenol-d6	7.388	99	189695	54.056	ng	0.00
23) Nitrobenzene-d5	9.410	82	331078	93.018	ng	0.00
42) 2,4,6-Tribromophenol	16.349	330	279927	145.299	ng	0.00
45) 2-Fluorobiphenyl	13.487	172	811058	88.810	ng	0.00
79) Terphenyl-d14	20.191	244	1323906	87.507	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.371	77	150927	63.329	ng	# 1
11) bis(2-Chloroethyl)ether	7.618	93	7077	2.350	ng	# 1
15) Benzyl Alcohol	8.352	79	133362	46.761	ng	# 7
18) Hexachloroethane	9.351	117	149335	121.182	ng	# 1
19) n-Nitroso-di-n-propyla...	9.415	70	46228	17.145	ng	# 75
22) Acetophenone	9.039	105	157632	32.246	ng	# 55
24) Nitrobenzene	9.433	77	23783	6.397	ng	# 1
31) Naphthalene	11.125	128	2026040	199.222	ng	95
33) 4-Chloroaniline	11.125	127	304561	72.598	ng	# 31
37) 2-Methylnaphthalene	12.706	142	737138	96.807	ng	99
38) 1-Methylnaphthalene	12.923	142	494357	66.877	ng	100
46) 1,1'-Biphenyl	13.699	154	37697	3.781	ng	97
58) Fluorene	15.902	166	23405	2.278	ng	96
63) Azobenzene	16.202	77	22895	2.378	ng	# 1
67) 4-Bromophenyl-phenylether	16.349	248	18601	5.371	ng	# 1
77) Benzidine	20.191	184	20878	2.982	ng	# 90

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

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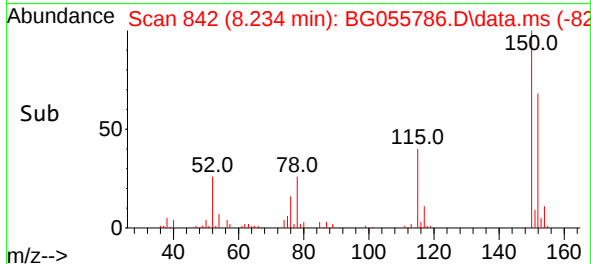
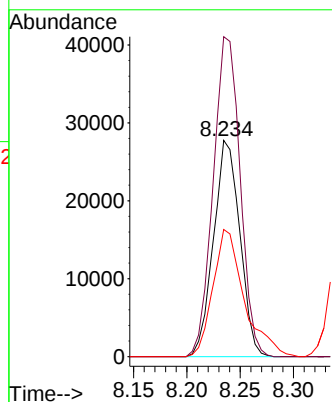
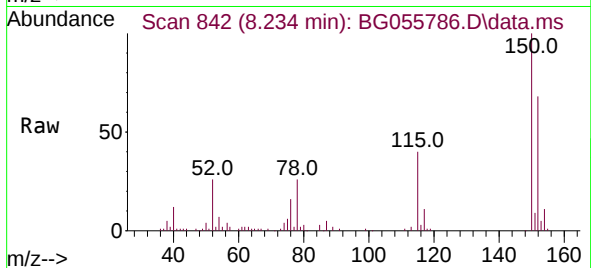




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.234 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

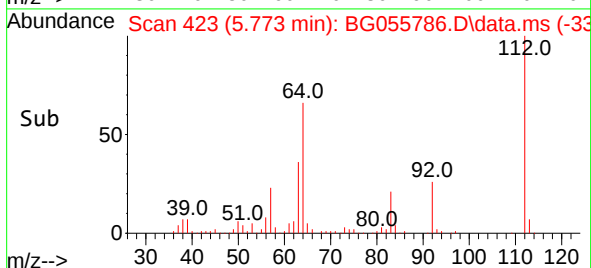
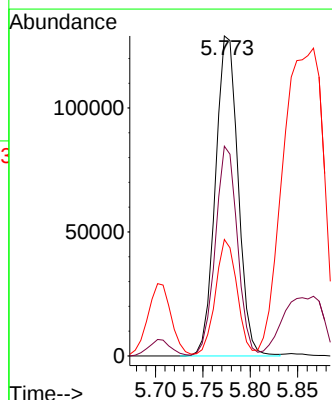
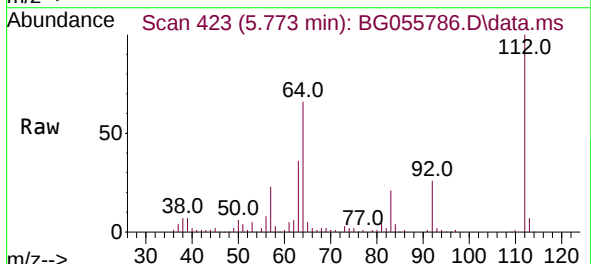
Instrument :
BNA_G
ClientSampleId :

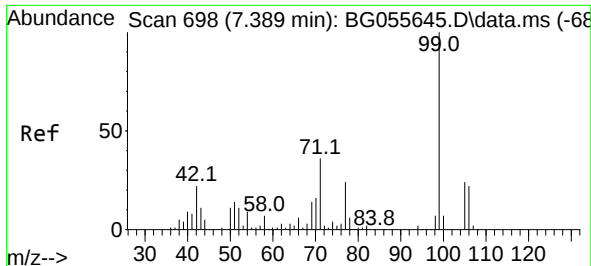
Tgt Ion:152 Resp: 47650
Ion Ratio Lower Upper
152 100
150 147.9 123.0 184.6
115 58.8 47.0 70.4



#5
2-Fluorophenol
Concen: 81.325 ng
RT: 5.773 min Scan# 423
Delta R.T. 0.005 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion:112 Resp: 214391
Ion Ratio Lower Upper
112 100
64 65.5 50.6 76.0
63 36.4 27.5 41.3

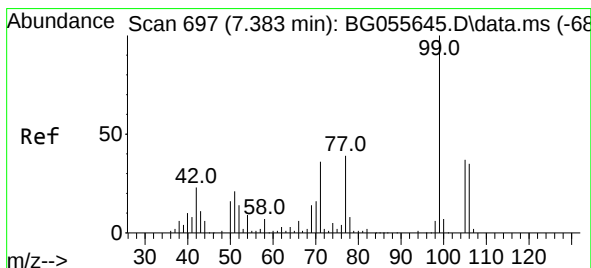
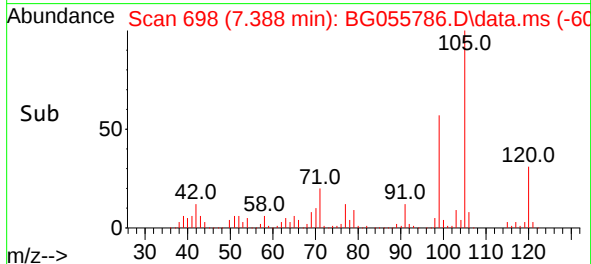
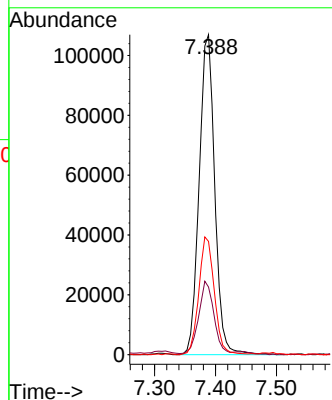
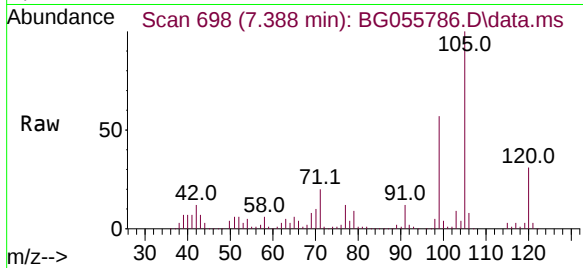




#7
Phenol-d6
Concen: 54.056 ng
RT: 7.388 min Scan# 698
Delta R.T. 0.005 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

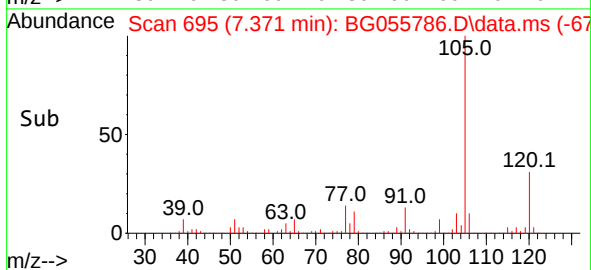
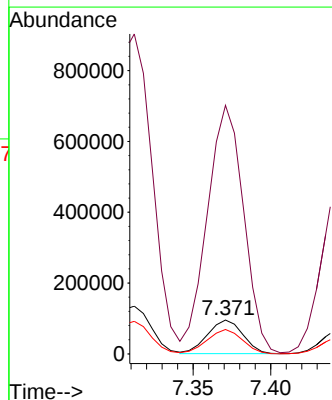
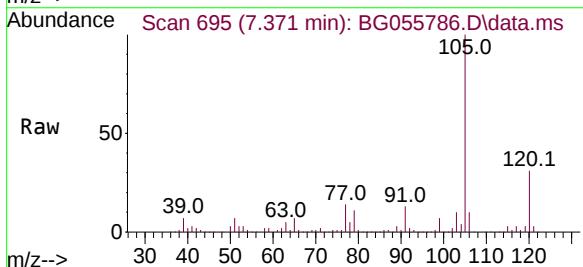
Instrument :
BNA_G
ClientSampleId :

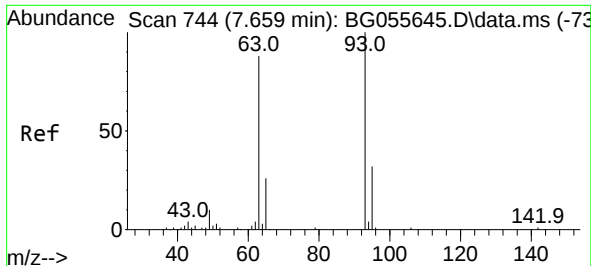
Tgt Ion:	99	Resp:	189695
Ion	Ratio	Lower	Upper
99	100		
42	21.1	18.0	27.0
71	35.4	29.0	43.6



#9
Benzaldehyde
Concen: 63.329 ng
RT: 7.371 min Scan# 695
Delta R.T. 0.005 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

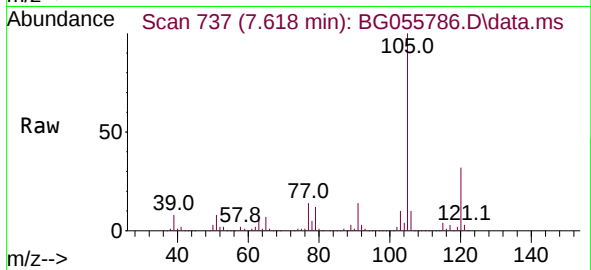
Tgt Ion:	77	Resp:	150927
Ion	Ratio	Lower	Upper
77	100		
105	732.8	76.3	116.3#
106	71.8	69.8	109.8



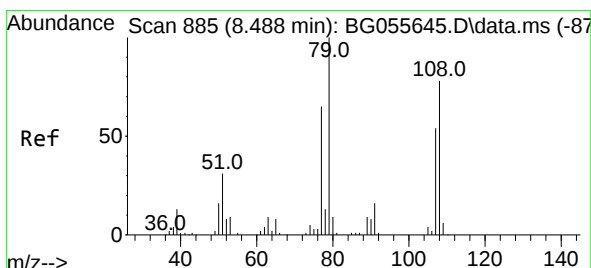
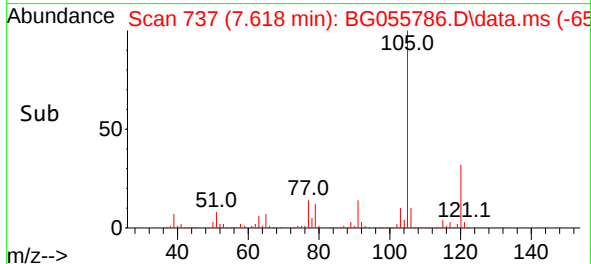
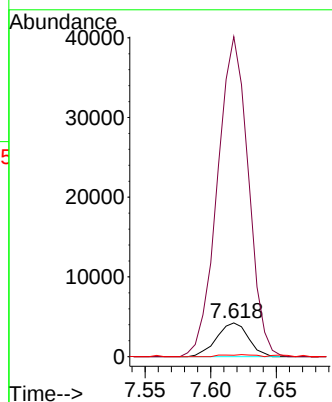


#11
bis(2-Chloroethyl)ether
Concen: 2.350 ng
RT: 7.618 min Scan# 744
Delta R.T. -0.025 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Instrument :
BNA_G
ClientSampleId :

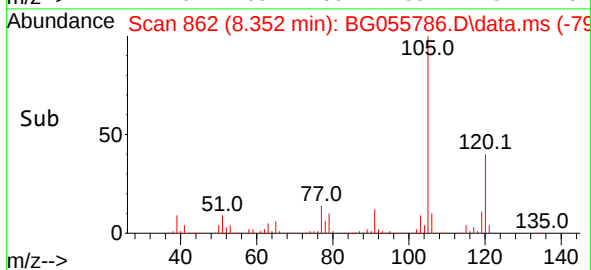
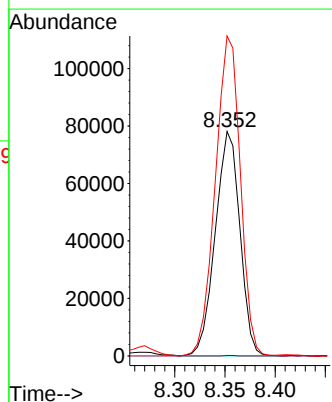
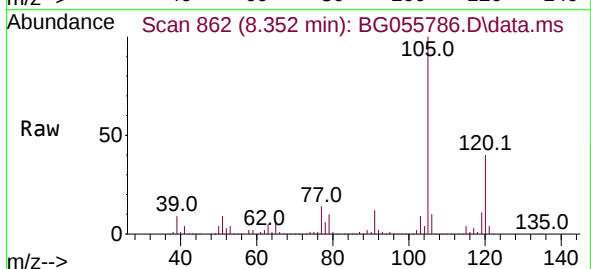


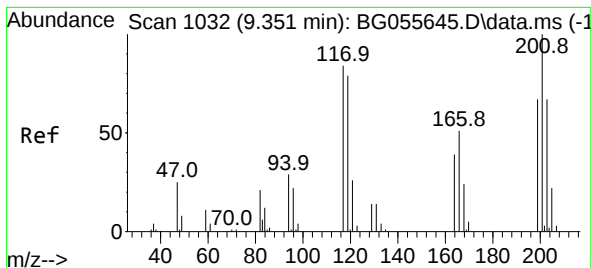
Tgt Ion: 93 Resp: 7077
Ion Ratio Lower Upper
93 100
63 951.5 67.6 107.6#
95 3.8 11.8 51.8#



#15
Benzyl Alcohol
Concen: 46.761 ng
RT: 8.352 min Scan# 862
Delta R.T. -0.119 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion: 79 Resp: 133362
Ion Ratio Lower Upper
79 100
108 0.2 62.6 93.8#
77 142.6 52.4 78.6#





#18

Hexachloroethane

Concen: 121.182 ng

RT: 9.351 min Scan# 1032

Delta R.T. 0.017 min

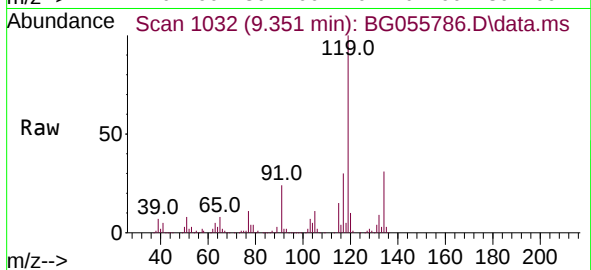
Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

Instrument :

BNA_G

ClientSampleId :



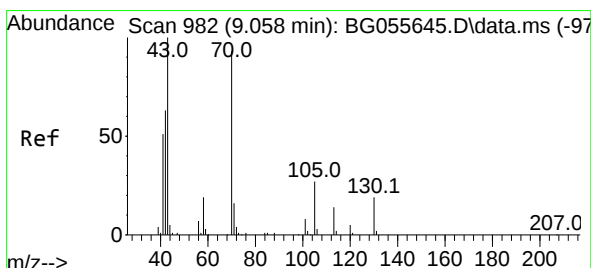
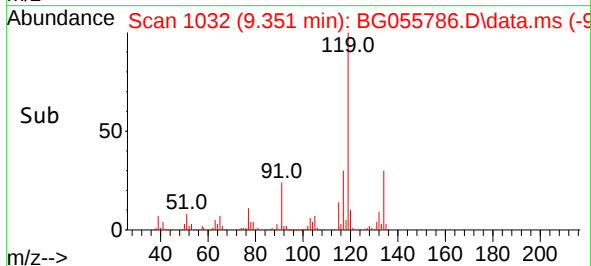
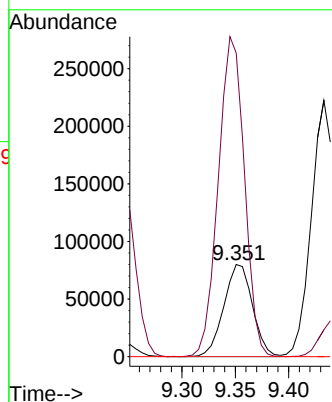
Tgt Ion:117 Resp: 149335

Ion Ratio Lower Upper

117 100

119 329.8 76.0 114.0#

201 0.0 98.6 148.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.145 ng

RT: 9.415 min Scan# 1043

Delta R.T. 0.369 min

Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

Tgt Ion: 70 Resp: 46228

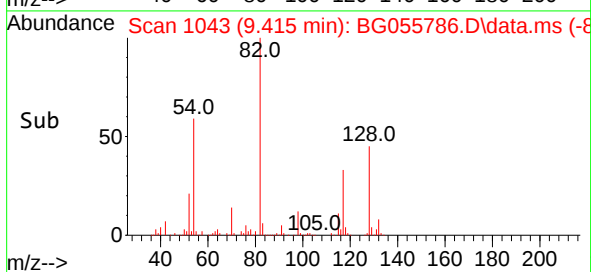
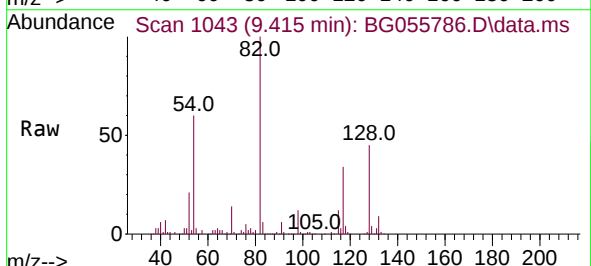
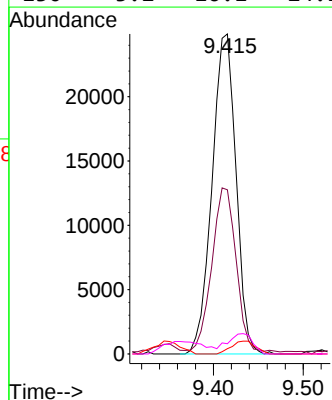
Ion Ratio Lower Upper

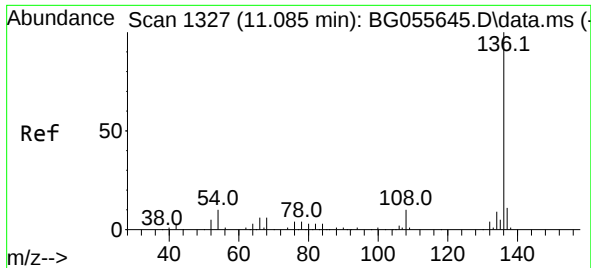
70 100

42 51.3 55.2 82.8#

101 1.6 7.1 10.7#

130 3.2 16.1 24.1#

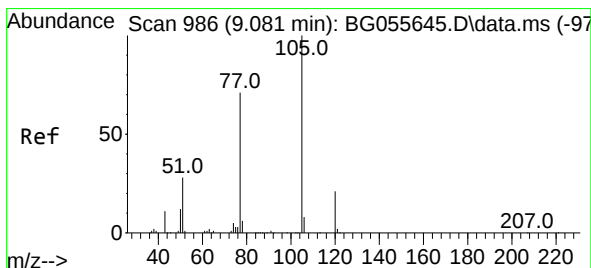
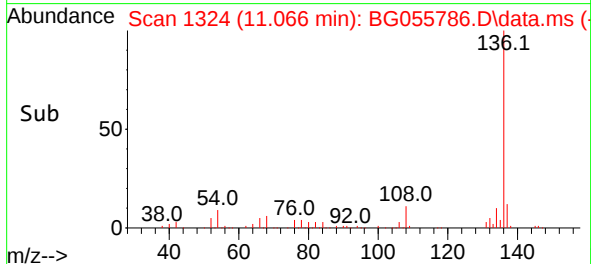
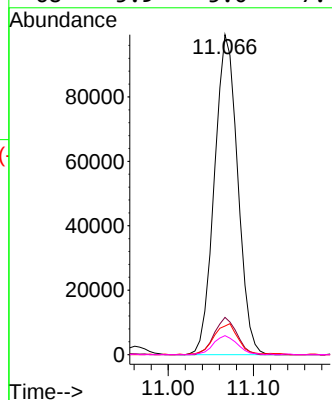
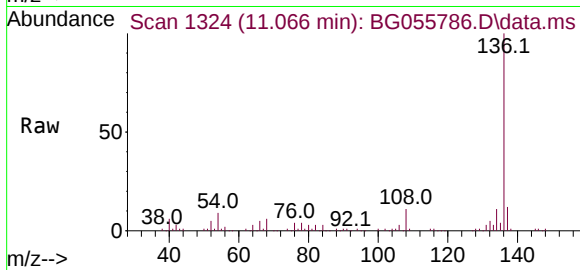




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.066 min Scan# 1327
Delta R.T. -0.001 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

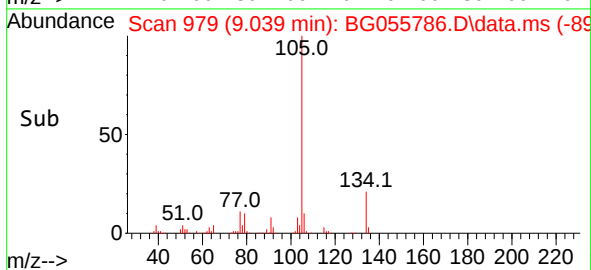
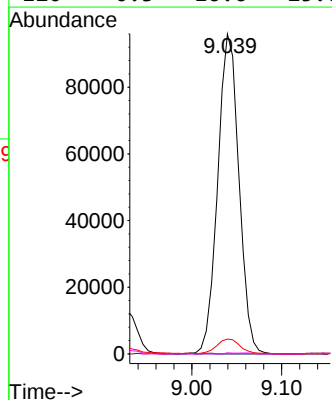
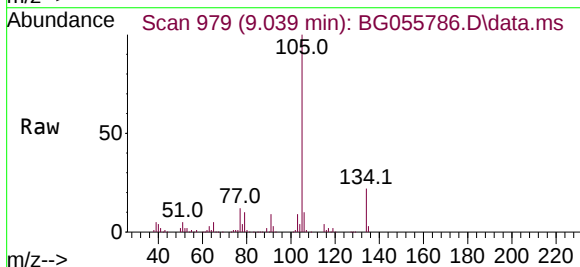
Instrument :
BNA_G
ClientSampleId :

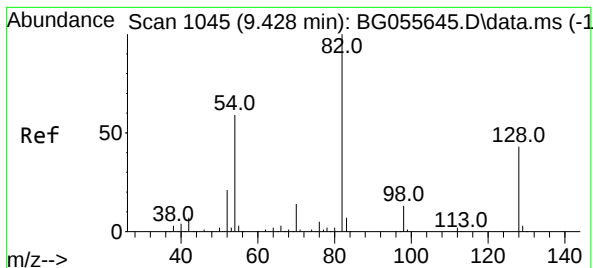
Tgt Ion:	136	Resp:	188125
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	8.9	7.8	11.6
68	5.9	5.0	7.4



#22
Acetophenone
Concen: 32.246 ng
RT: 9.039 min Scan# 979
Delta R.T. -0.025 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion:	105	Resp:	157632
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.6	1.0#
51	4.6	24.5	36.7#
120	0.3	16.6	25.0#





#23

Nitrobenzene-d5

Concen: 93.018 ng

RT: 9.410 min Scan# 1042

Delta R.T. -0.001 min

Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

Instrument :

BNA_G

ClientSampleId :

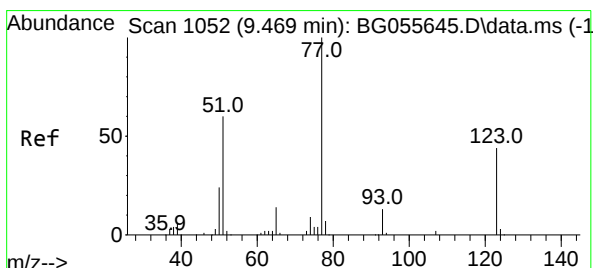
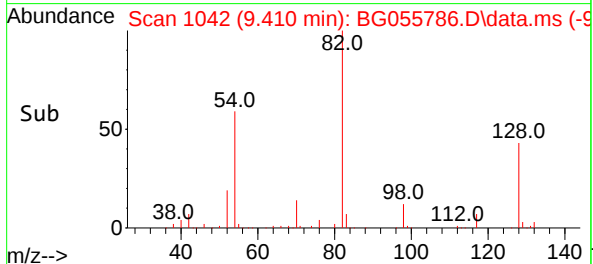
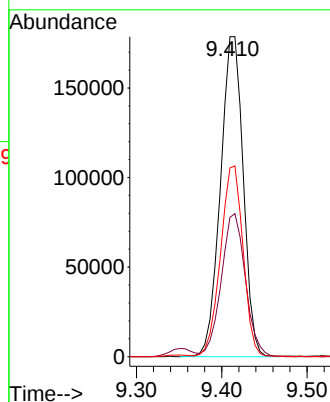
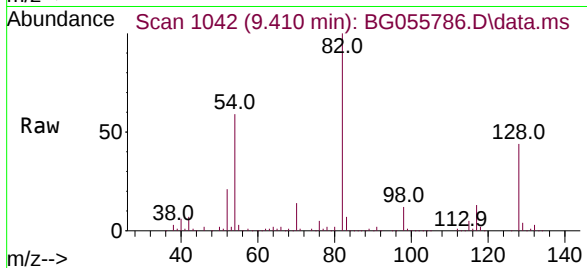
Tgt Ion: 82 Resp: 331078

Ion Ratio Lower Upper

82 100

128 43.5 34.1 51.1

54 59.0 47.3 70.9



#24

Nitrobenzene

Concen: 6.397 ng

RT: 9.433 min Scan# 1046

Delta R.T. -0.025 min

Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

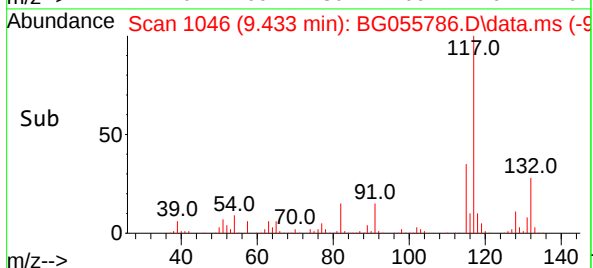
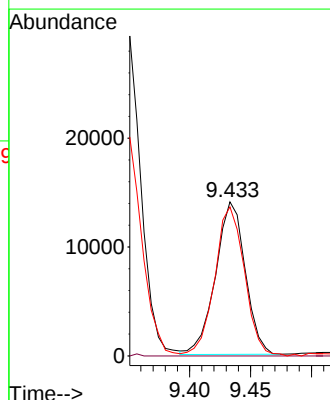
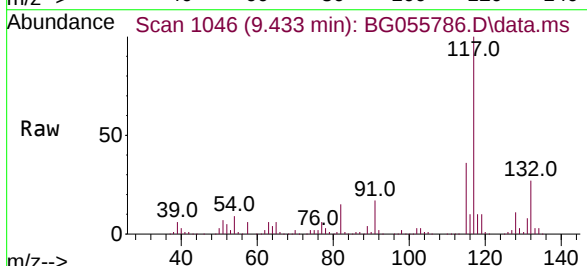
Tgt Ion: 77 Resp: 23783

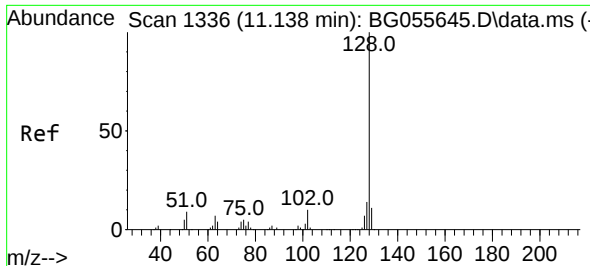
Ion Ratio Lower Upper

77 100

123 0.0 35.5 53.3#

65 96.8 11.5 17.3#

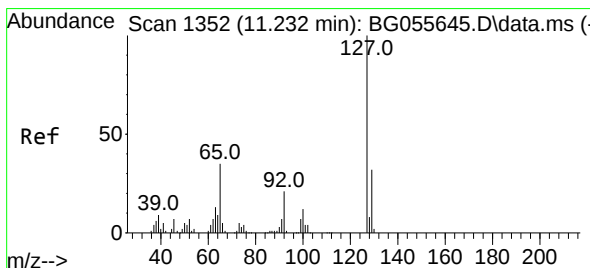
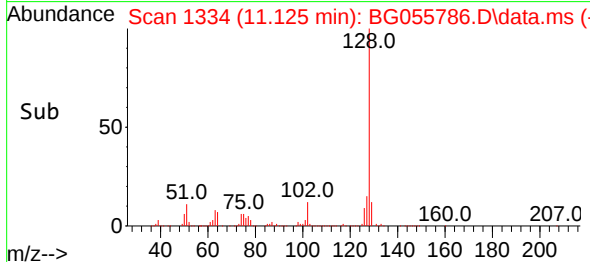
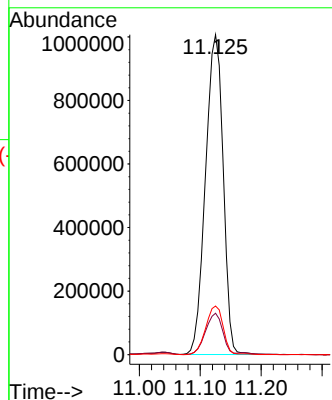
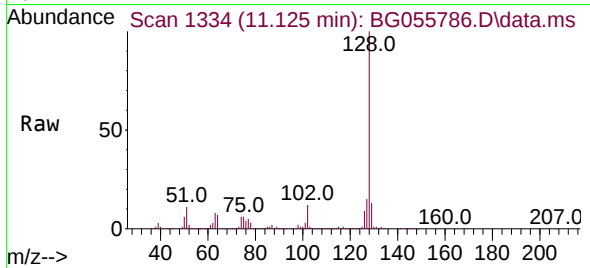




#31
Naphthalene
Concen: 199.222 ng
RT: 11.125 min Scan# 1334
Delta R.T. 0.005 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

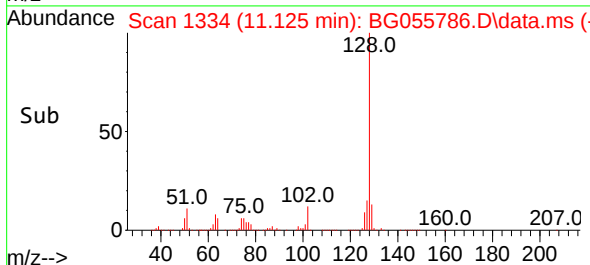
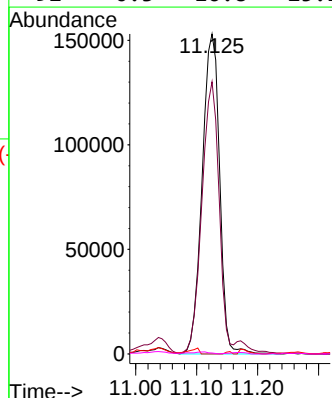
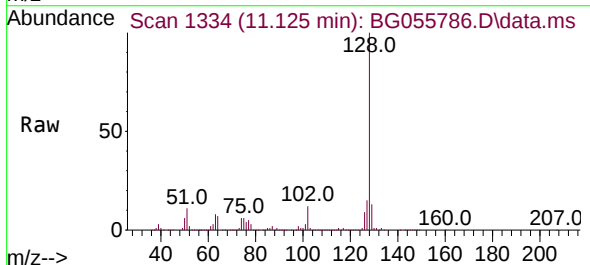
Instrument :
BNA_G
ClientSampleId :

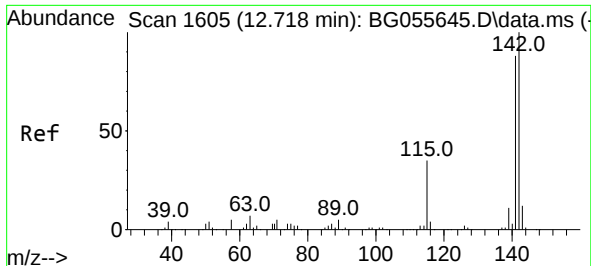
Tgt Ion:128 Resp: 2026040
Ion Ratio Lower Upper
128 100
129 12.9 8.7 13.1
127 15.2 10.9 16.3



#33
4-Chloroaniline
Concen: 72.598 ng
RT: 11.125 min Scan# 1334
Delta R.T. -0.095 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion:127 Resp: 304561
Ion Ratio Lower Upper
127 100
129 85.0 25.9 38.9#
65 0.0 27.9 41.9#
92 0.3 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 96.807 ng

RT: 12.706 min Scan# 1603

Delta R.T. -0.001 min

Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

Instrument :

BNA_G

ClientSampleId :

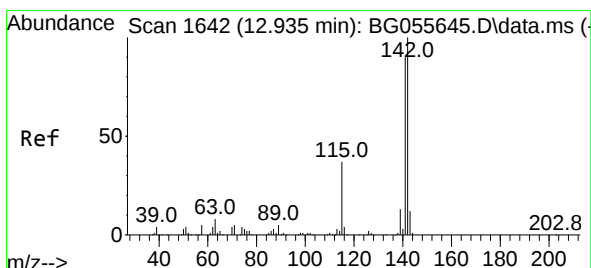
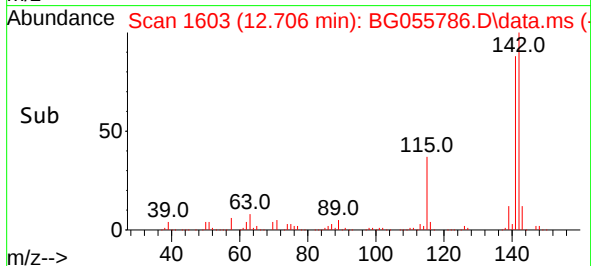
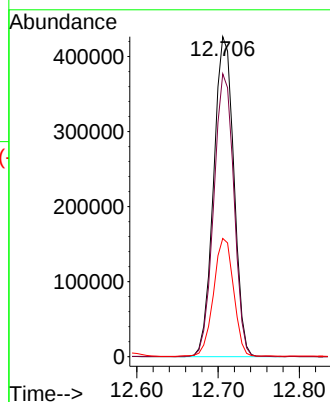
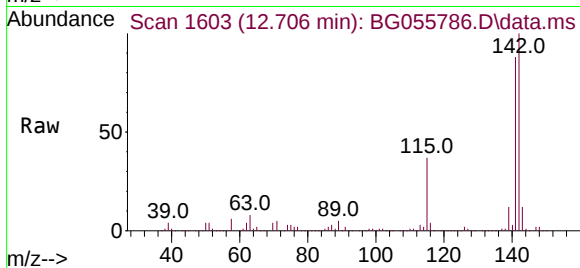
Tgt Ion:142 Resp: 737138

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5

115 36.9 27.9 41.9



#38

1-Methylnaphthalene

Concen: 66.877 ng

RT: 12.923 min Scan# 1640

Delta R.T. -0.001 min

Lab File: BG055786.D

Acq: 25 Nov 2022 18:40

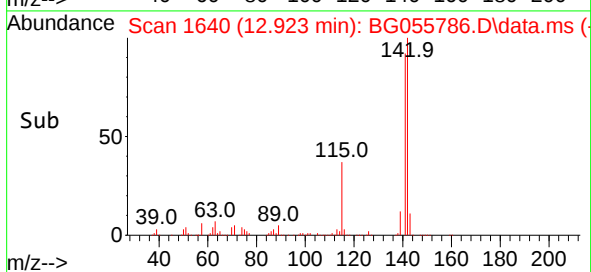
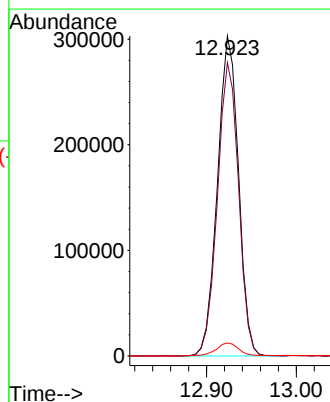
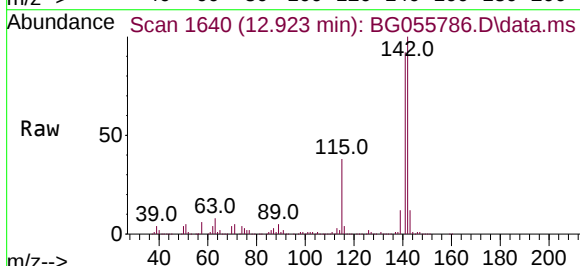
Tgt Ion:142 Resp: 494357

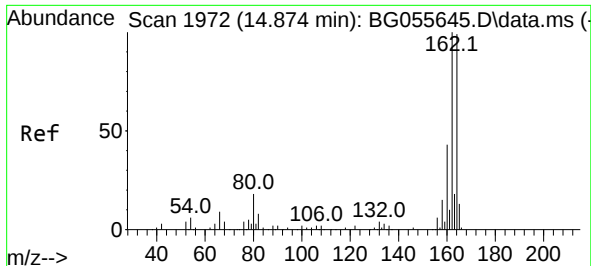
Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4

116 4.0 3.1 4.7

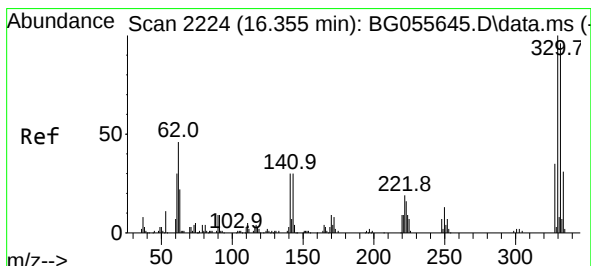
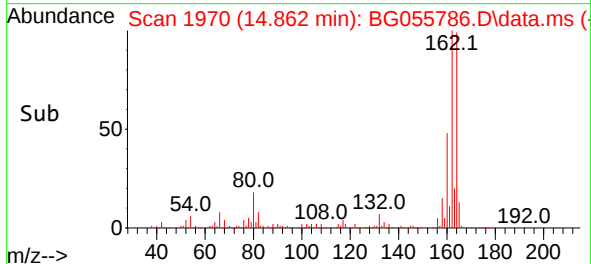
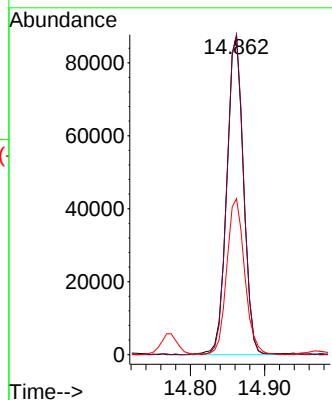
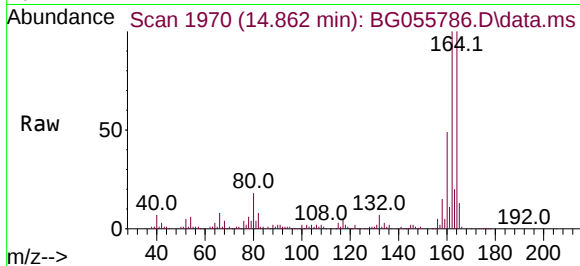




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.862 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

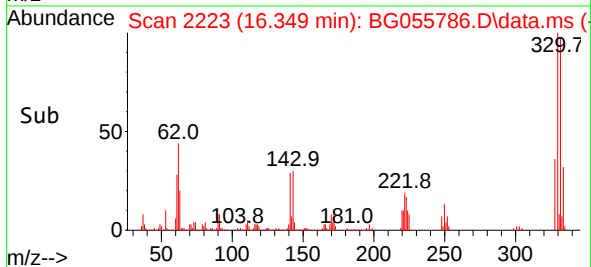
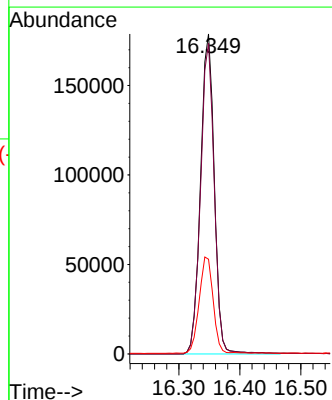
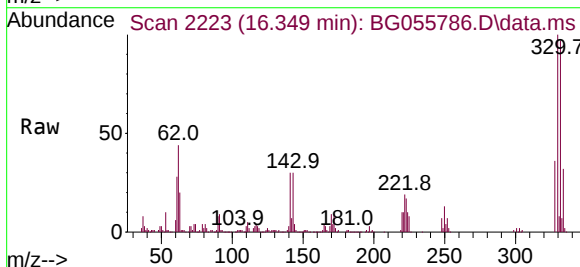
Instrument :
BNA_G
ClientSampleId :

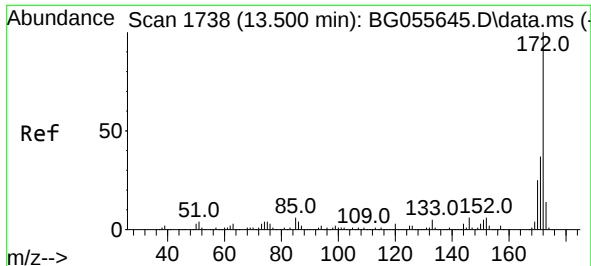
Tgt Ion:164 Resp: 136817
Ion Ratio Lower Upper
164 100
162 100.3 81.1 121.7
160 48.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 145.299 ng
RT: 16.349 min Scan# 2223
Delta R.T. -0.001 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion:330 Resp: 279927
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 30.7 23.9 35.9

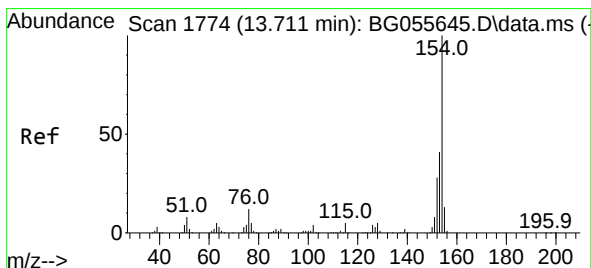
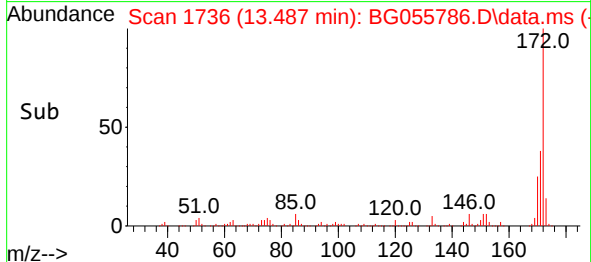
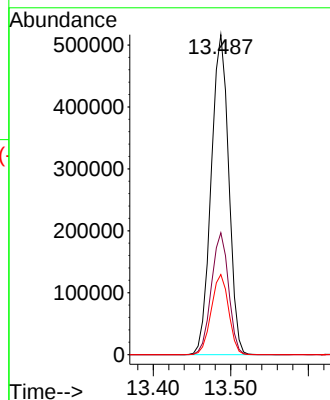
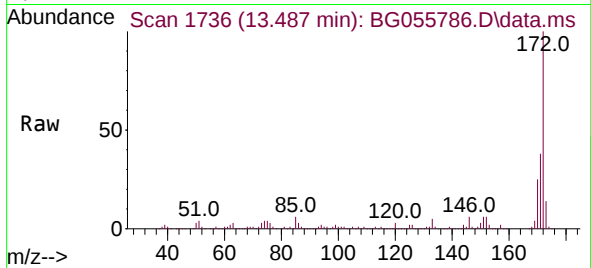




#45
2-Fluorobiphenyl
Concen: 88.810 ng
RT: 13.487 min Scan# 1736
Delta R.T. -0.001 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

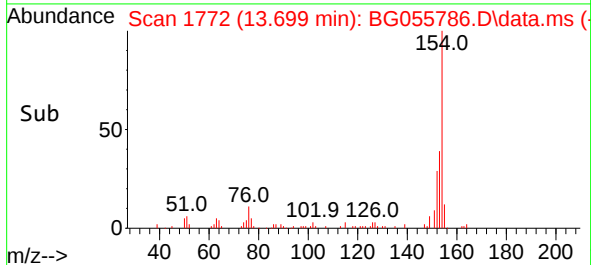
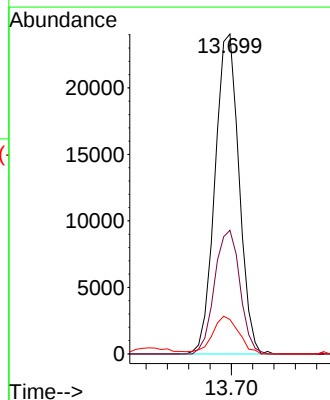
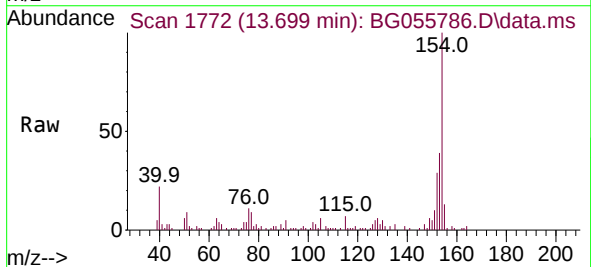
Instrument :
BNA_G
ClientSampleId :

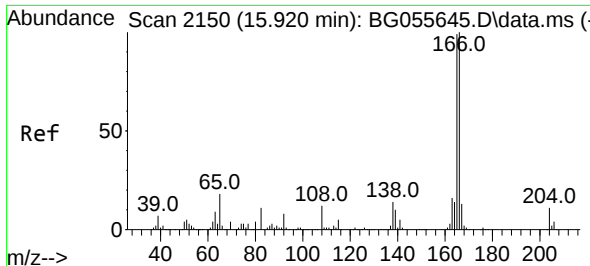
Tgt Ion:172 Resp: 811058
Ion Ratio Lower Upper
172 100
171 38.1 29.8 44.6
170 25.0 20.2 30.4



#46
1,1'-Biphenyl
Concen: 3.781 ng
RT: 13.699 min Scan# 1772
Delta R.T. -0.001 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

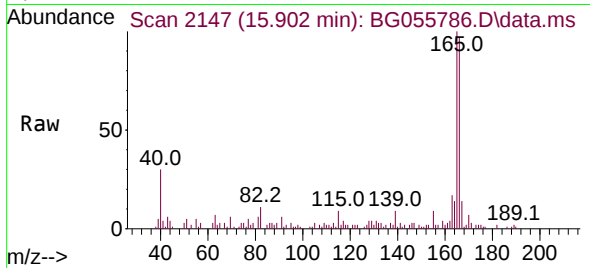
Tgt Ion:154 Resp: 37697
Ion Ratio Lower Upper
154 100
153 38.6 20.6 60.6
76 10.7 0.0 32.4



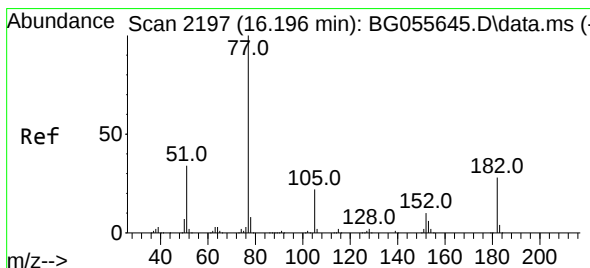
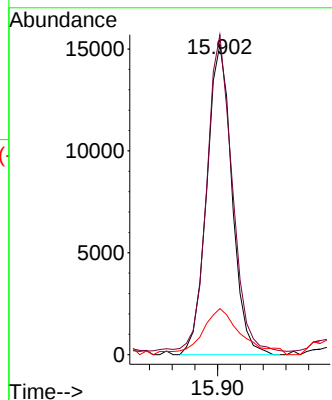
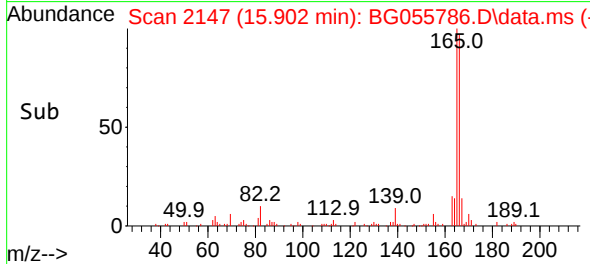


#58
Fluorene
Concen: 2.278 ng
RT: 15.902 min Scan# 2150
Delta R.T. -0.007 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

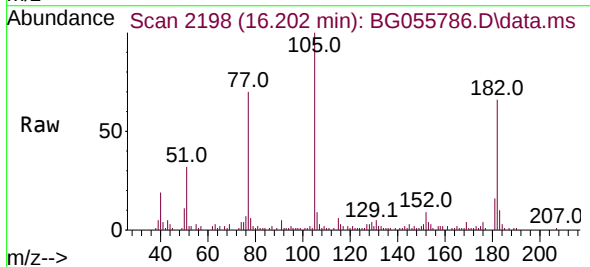
Instrument :
BNA_G
ClientSampleId :



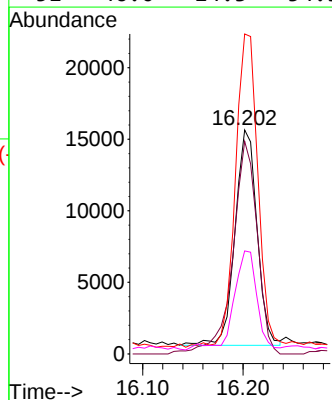
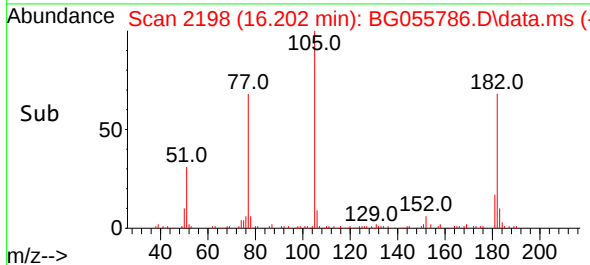
Tgt Ion:166 Resp: 23405
Ion Ratio Lower Upper
166 100
165 103.2 79.3 118.9
167 14.9 10.6 15.8

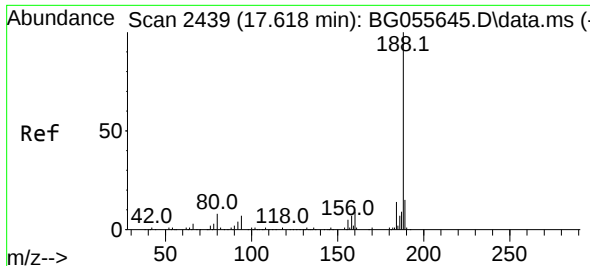


#63
Azobenzene
Concen: 2.378 ng
RT: 16.202 min Scan# 2198
Delta R.T. 0.017 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40



Tgt Ion: 77 Resp: 22895
Ion Ratio Lower Upper
77 100
182 95.0 8.1 48.1#
105 142.9 1.8 41.8#
51 46.0 14.3 54.3

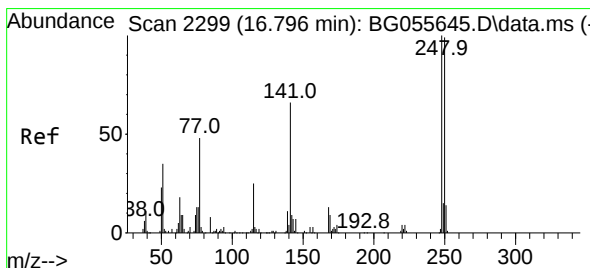
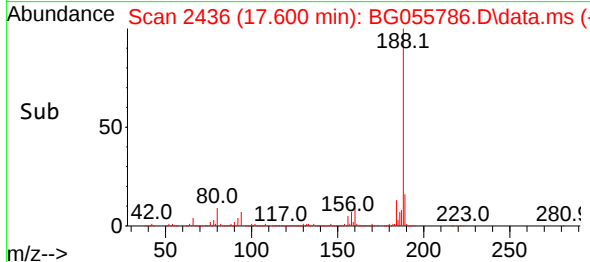
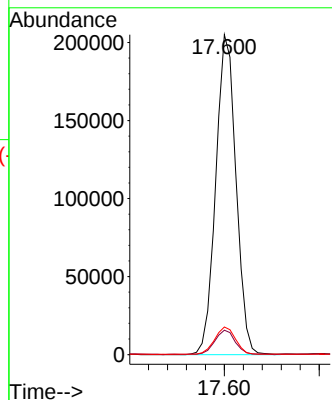
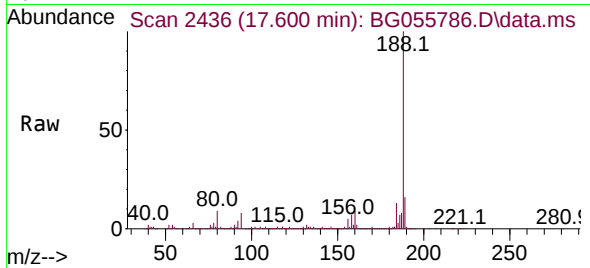




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 2439
Delta R.T. -0.007 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

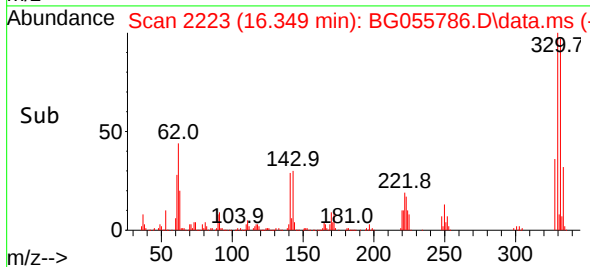
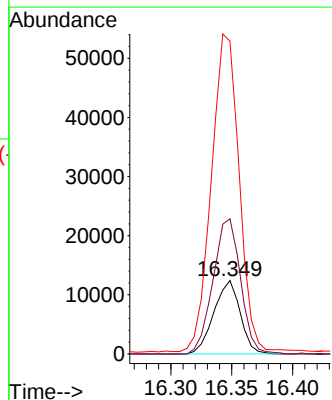
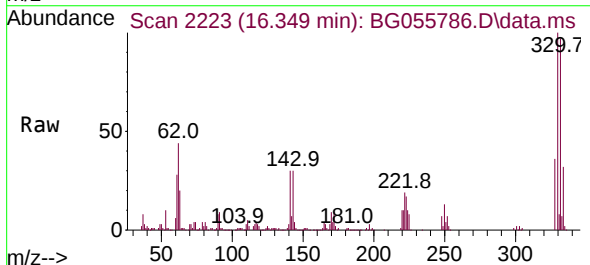
Instrument :
BNA_G
ClientSampleId :

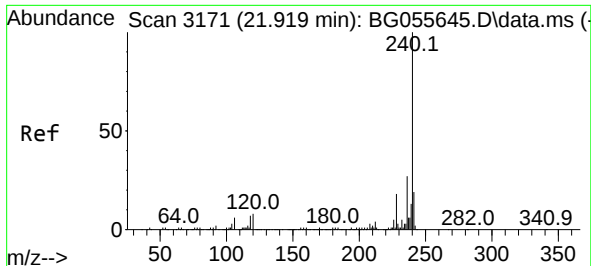
Tgt Ion:188 Resp: 303959
Ion Ratio Lower Upper
188 100
94 7.6 5.4 8.2
80 8.6 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 5.371 ng
RT: 16.349 min Scan# 2223
Delta R.T. -0.436 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

Tgt Ion:248 Resp: 18601
Ion Ratio Lower Upper
248 100
250 184.2 79.0 118.4#
141 426.1 52.9 79.3#

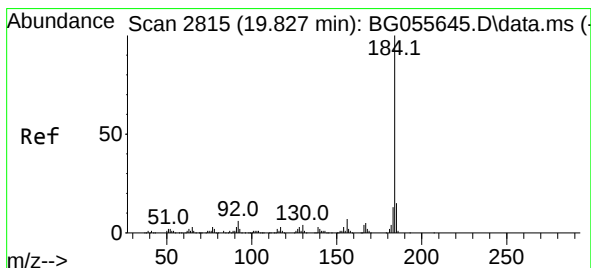
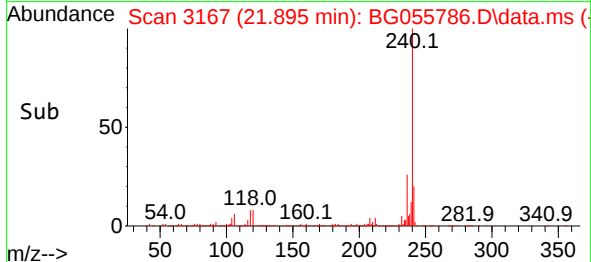
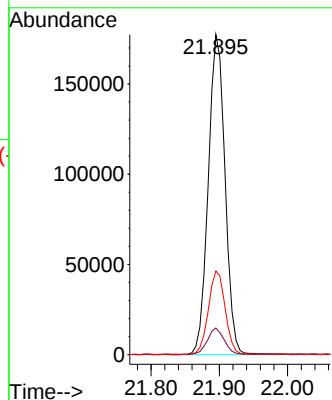
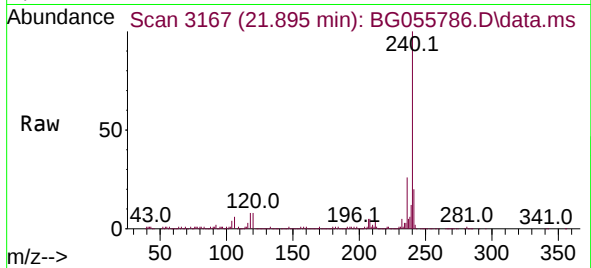




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3171
Delta R.T. -0.007 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

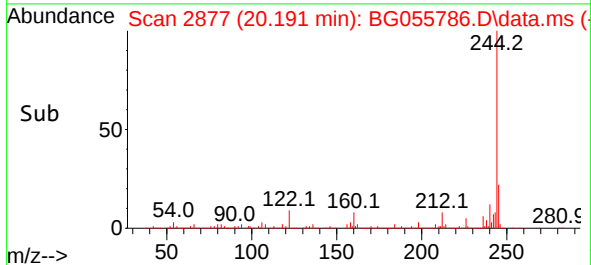
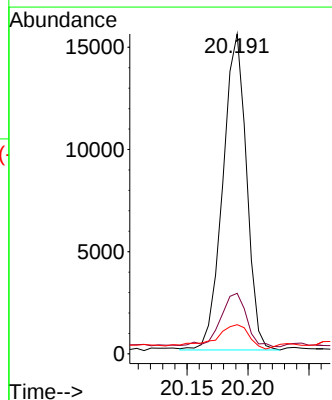
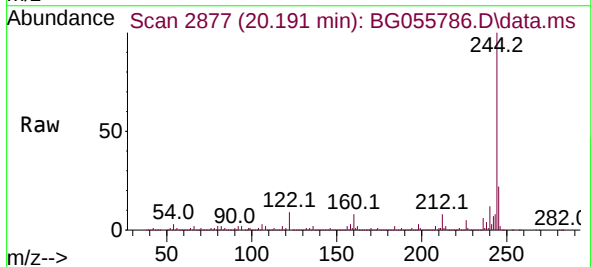
Instrument :
BNA_G
ClientSampleId :

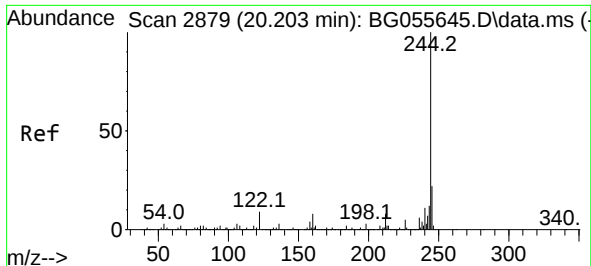
Tgt Ion:240 Resp: 302601
Ion Ratio Lower Upper
240 100
120 8.3 6.3 9.5
236 26.1 21.9 32.9



#77
Benzidine
Concen: 2.982 ng
RT: 20.191 min Scan# 2877
Delta R.T. 0.375 min
Lab File: BG055786.D
Acq: 25 Nov 2022 18:40

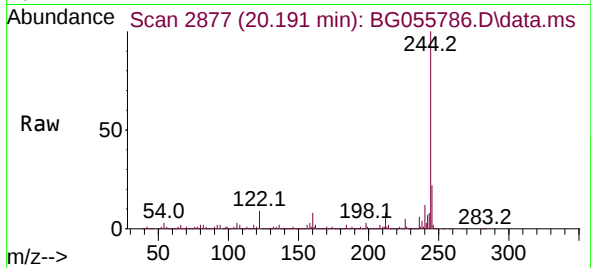
Tgt Ion:184 Resp: 20878
Ion Ratio Lower Upper
184 100
185 18.9 11.8 17.8#
183 9.1 10.6 15.8#





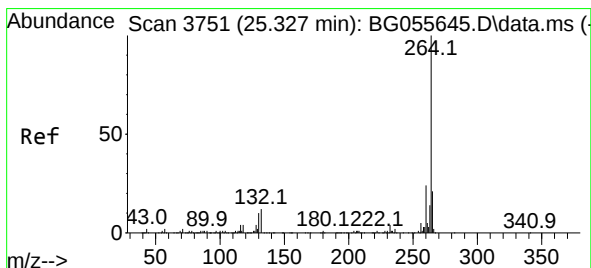
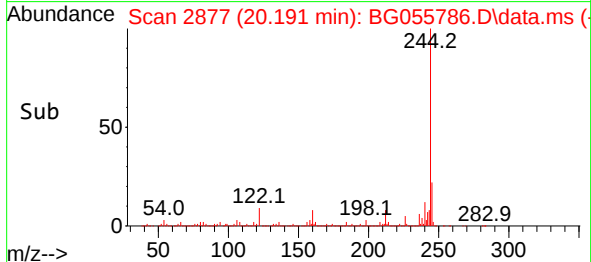
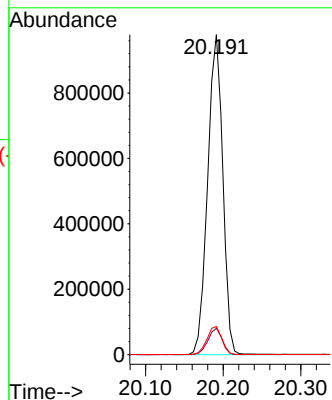
#79
 Terphenyl-d14
 Concen: 87.507 ng
 RT: 20.191 min Scan# 2877
 Delta R.T. -0.001 min
 Lab File: BG055786.D
 Acq: 25 Nov 2022 18:40

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:244 Resp: 1323906

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	8.8	6.9	10.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.297 min Scan# 3746
 Delta R.T. -0.007 min
 Lab File: BG055786.D
 Acq: 25 Nov 2022 18:40

Tgt Ion:264 Resp: 312220

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.8	17.1	25.7

