

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056001.D
 Acq On : 16 Dec 2022 19:52
 Operator : CG/JU
 Sample : N6038-23
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-40-(3-5)

Quant Time: Dec 17 01:24:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

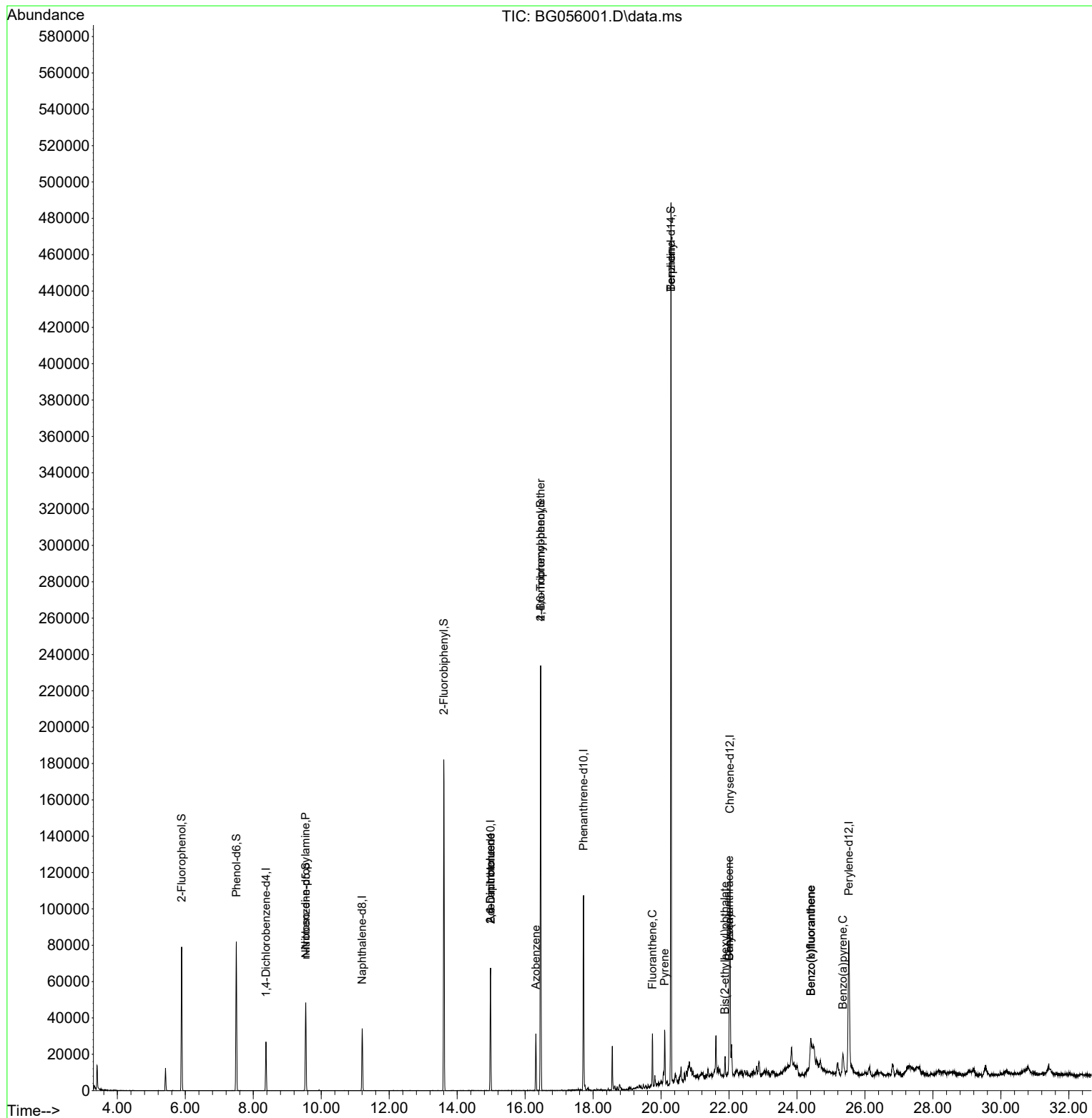
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	8408	20.000	ng	0.00
21) Naphthalene-d8	11.202	136	30647	20.000	ng	# 0.00
39) Acenaphthene-d10	14.980	164	27041	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	78798	20.000	ng	# 0.00
76) Chrysene-d12	22.025	240	81908	20.000	ng	0.00
86) Perylene-d12	25.521	264	98010	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.891	112	32494	90.633	ng	0.00
7) Phenol-d6	7.501	99	39492	85.645	ng	0.00
23) Nitrobenzene-d5	9.546	82	25956	59.186	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	63023	96.655	ng	0.00
45) 2-Fluorobiphenyl	13.606	172	99099	51.398	ng	0.00
79) Terphenyl-d14	20.292	244	257788	55.625	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.540	70	3969	12.008	ng	# 72
51) 2,6-Dinitrotoluene	14.980	165	3536	9.774	ng	# 25
57) 2,4-Dinitrotoluene	14.980	165	3536	6.475	ng	# 35
63) Azobenzene	16.314	77	8450	6.076	ng	# 16
67) 4-Bromophenyl-phenylether	16.455	248	3714	3.217	ng	# 1
75) Fluoranthene	19.745	202	21069	3.644	ng	97
77) Benzidine	20.292	184	3812	2.650	ng	# 91
78) Pyrene	20.104	202	22403	4.520	ng	99
81) Benzo(a)anthracene	22.002	228	16455	2.855	ng	97
83) Chrysene	22.002	228	16455	3.046	ng	94
84) Bis(2-ethylhexyl)phtha...	21.878	149	5525	2.648	ng	95
88) Benzo(b)fluoranthene	24.411	252	21270	3.353	ng	# 100
89) Benzo(k)fluoranthene	24.411	252	21270	3.361	ng	# 98
90) Benzo(a)pyrene	25.351	252	16321	3.044	ng	# 94

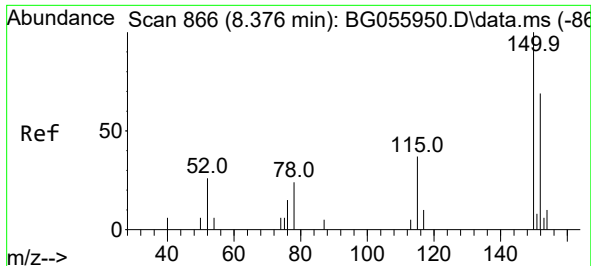
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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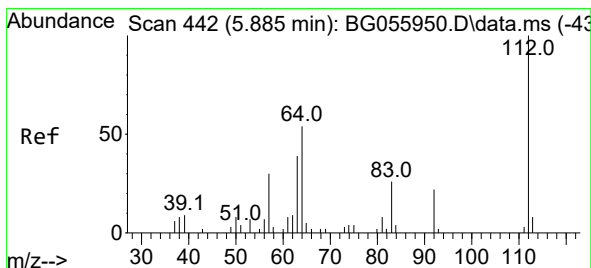
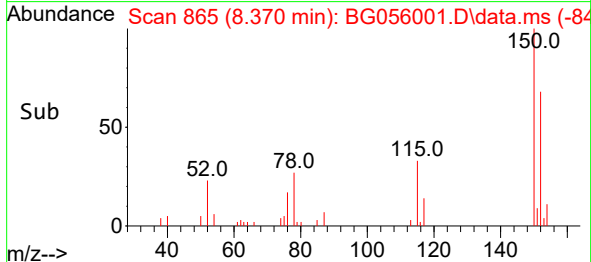
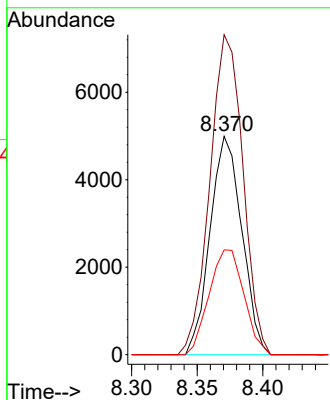
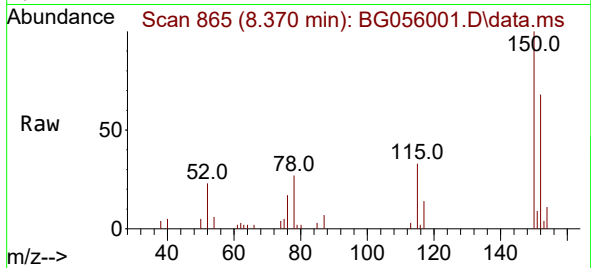




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 866
Delta R.T. -0.005 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

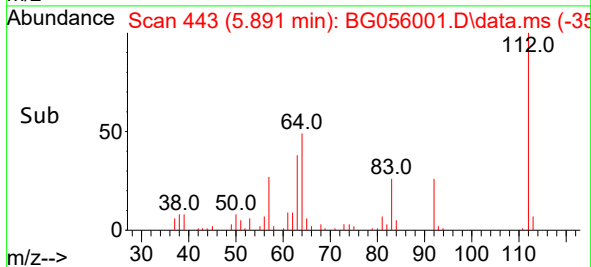
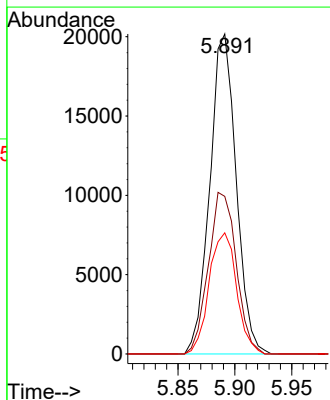
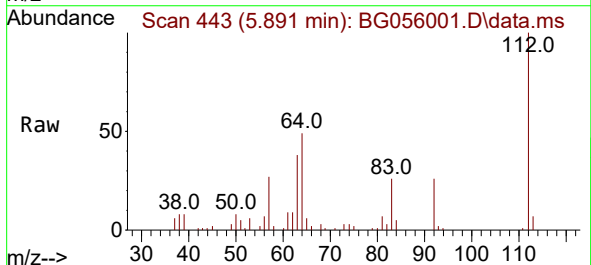
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

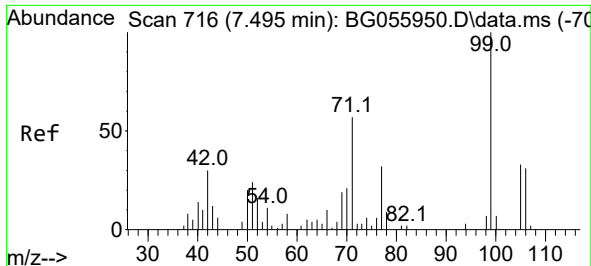
Tgt Ion:152 Resp: 8408
Ion Ratio Lower Upper
152 100
150 146.5 115.7 173.5
115 48.0 43.0 64.4



#5
2-Fluorophenol
Concen: 90.633 ng
RT: 5.891 min Scan# 443
Delta R.T. 0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:112 Resp: 32494
Ion Ratio Lower Upper
112 100
64 49.2 43.0 64.4
63 37.8 31.4 47.2

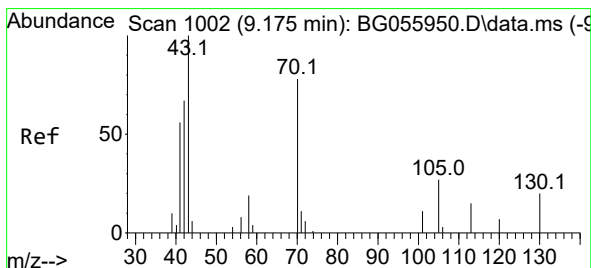
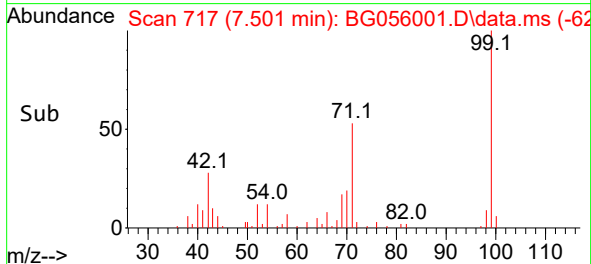
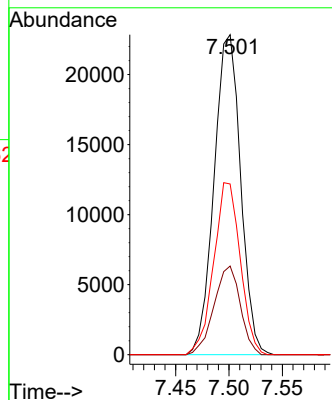
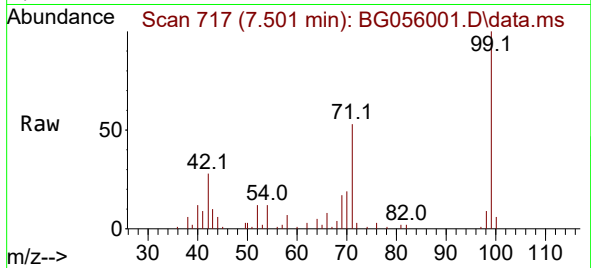




#7
Phenol-d6
Concen: 85.645 ng
RT: 7.501 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

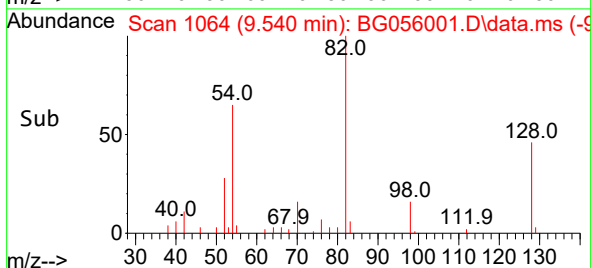
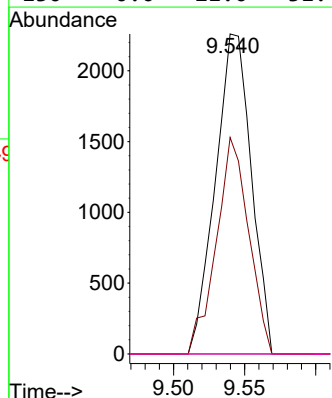
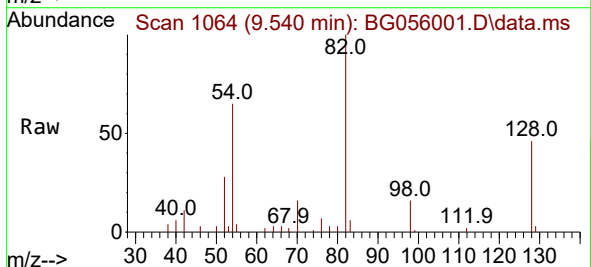
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

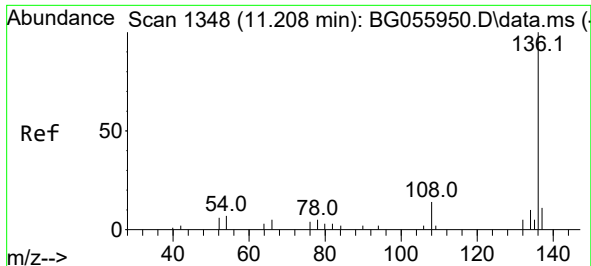
Tgt Ion: 99 Resp: 39492
Ion Ratio Lower Upper
99 100
42 27.7 24.3 36.5
71 53.3 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.008 ng
RT: 9.540 min Scan# 1064
Delta R.T. 0.364 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion: 70 Resp: 3969
Ion Ratio Lower Upper
70 100
42 67.7 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

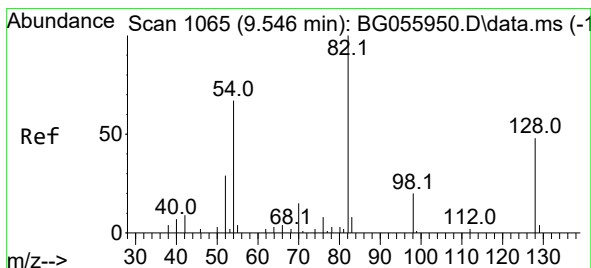
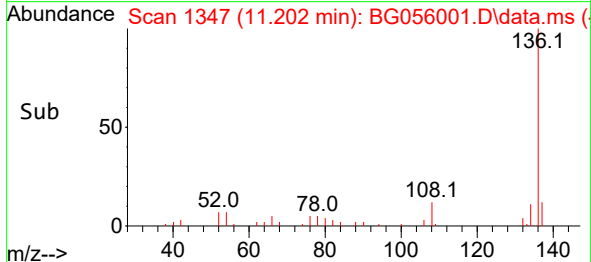
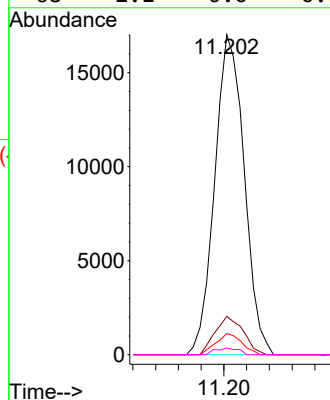
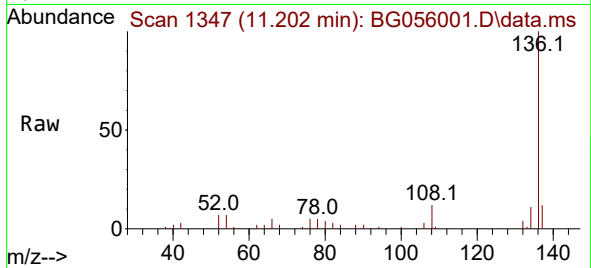




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.202 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

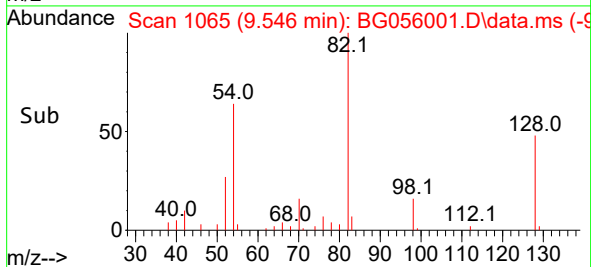
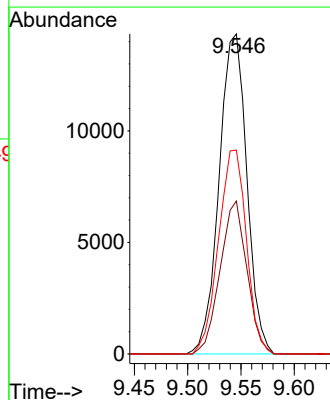
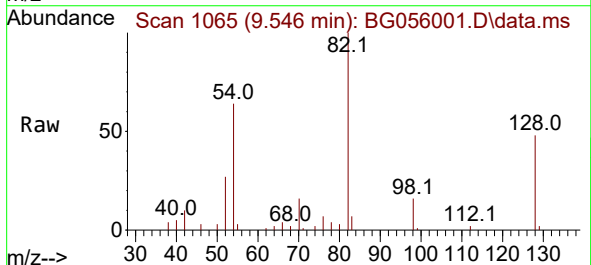
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

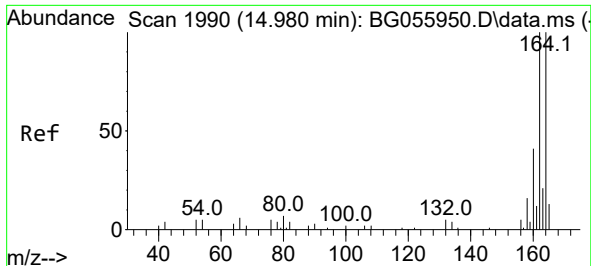
Tgt Ion:	136	Resp:	30647
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.2	13.8
54	6.6	5.6	8.4
68	2.1	0.0	0.0



#23
Nitrobenzene-d5
Concen: 59.186 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.000 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:	82	Resp:	25956
Ion Ratio	Lower	Upper	
82	100		
128	47.8	38.4	57.6
54	63.7	53.3	79.9

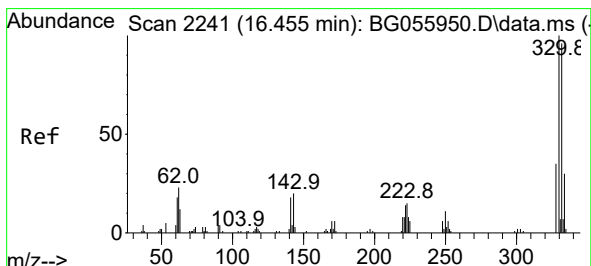
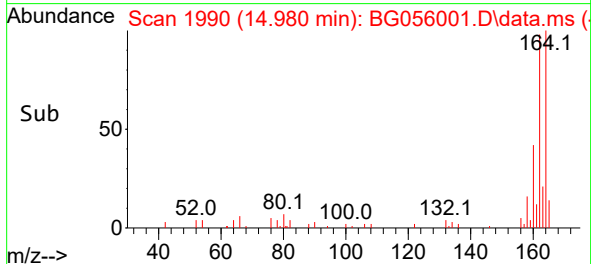
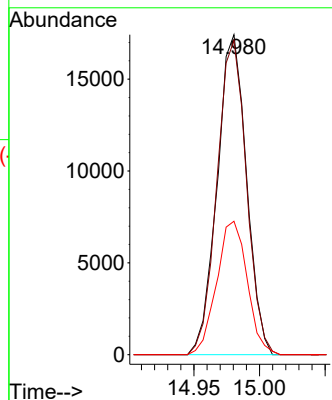
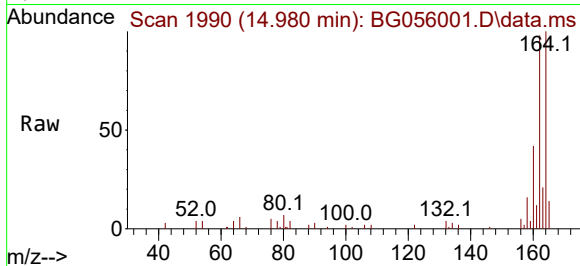




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.980 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

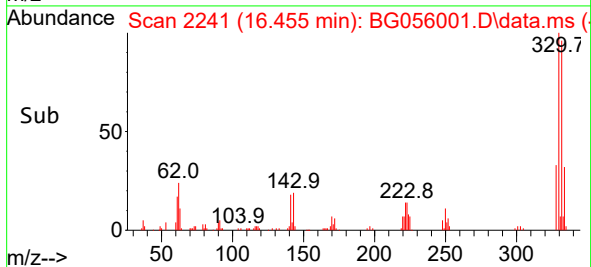
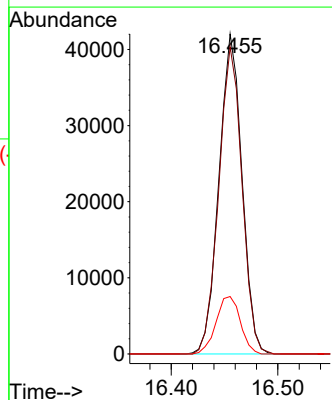
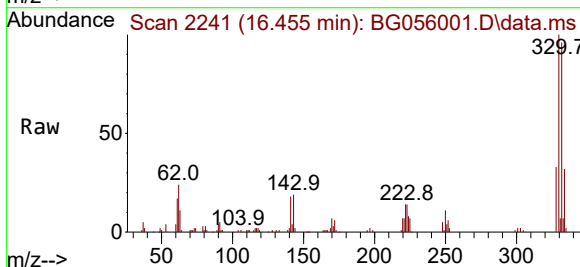
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

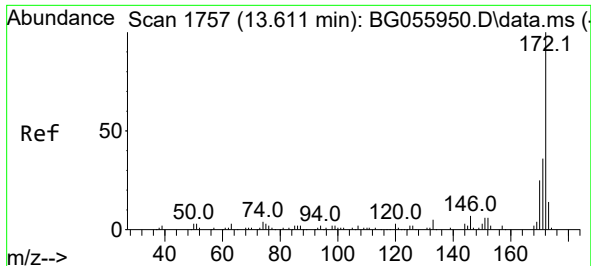
Tgt Ion:164 Resp: 27041
Ion Ratio Lower Upper
164 100
162 98.2 79.8 119.8
160 41.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 96.655 ng
RT: 16.455 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:330 Resp: 63023
Ion Ratio Lower Upper
330 100
332 96.5 76.6 114.8
141 18.9 15.0 22.4

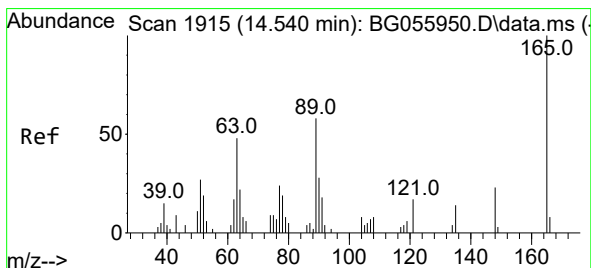
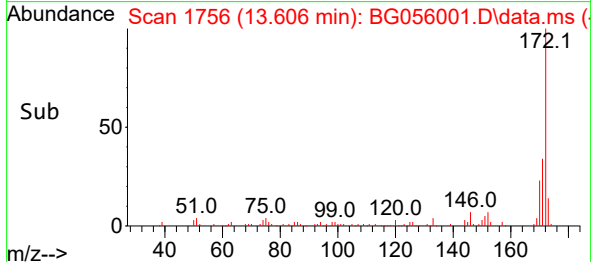
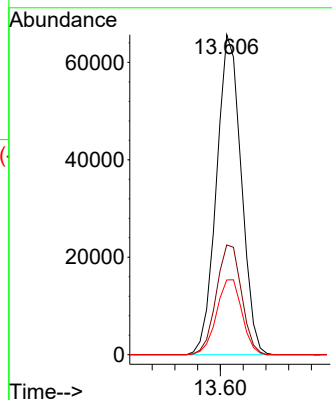
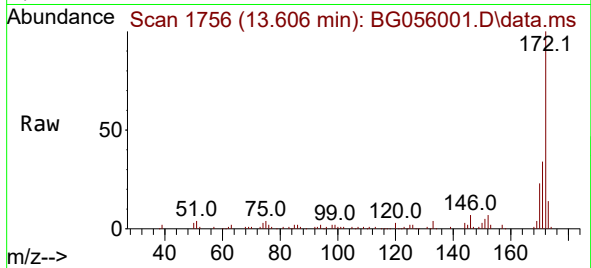




#45
2-Fluorobiphenyl
Concen: 51.398 ng
RT: 13.606 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

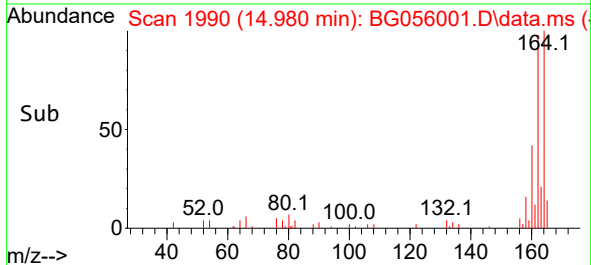
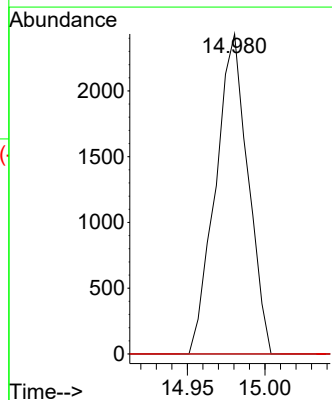
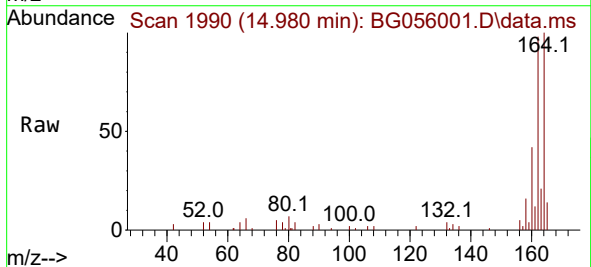
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

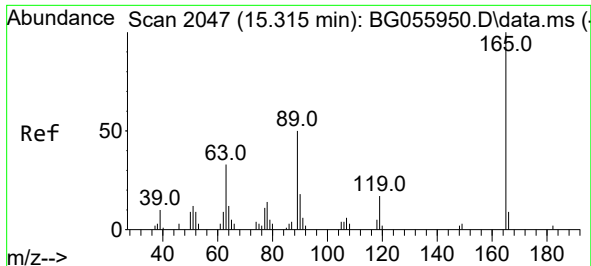
Tgt Ion:172 Resp: 99099
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.4 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.774 ng
RT: 14.980 min Scan# 1990
Delta R.T. 0.435 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:165 Resp: 3536
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





#57

2,4-Dinitrotoluene

Concen: 6.475 ng

RT: 14.980 min Scan# 1990

Delta R.T. -0.341 min

Lab File: BG056001.D

Acq: 16 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

RB-40-(3-5)

Tgt Ion:165 Resp: 3536

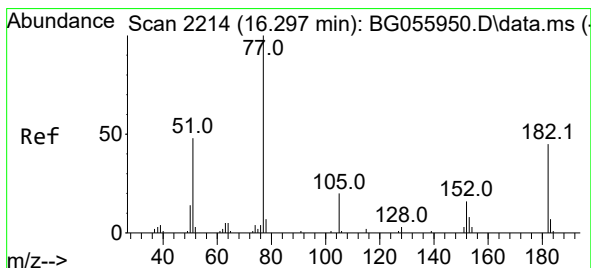
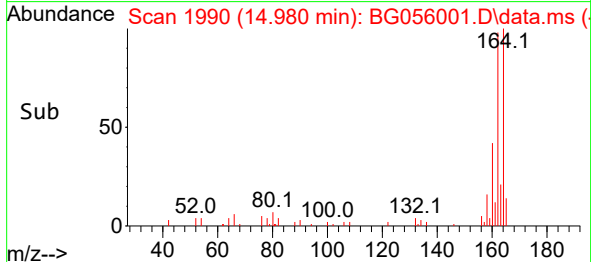
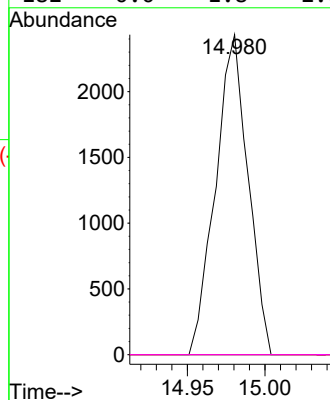
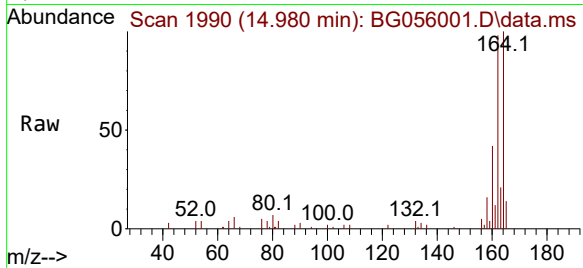
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 6.076 ng

RT: 16.314 min Scan# 2217

Delta R.T. 0.018 min

Lab File: BG056001.D

Acq: 16 Dec 2022 19:52

Tgt Ion: 77 Resp: 8450

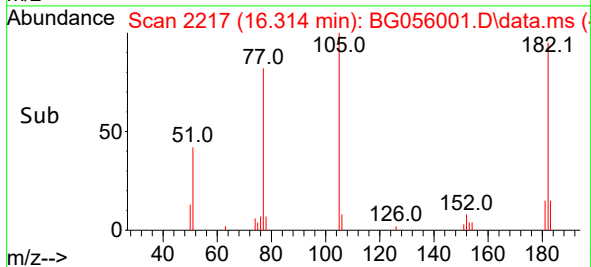
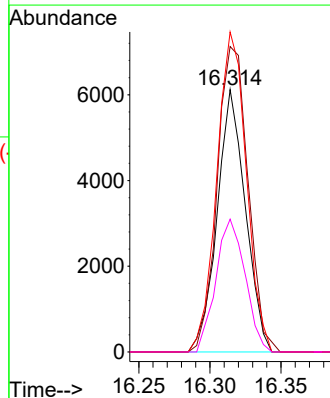
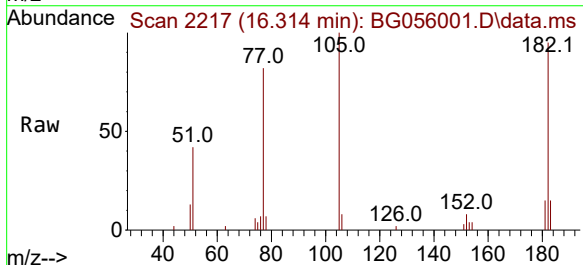
Ion Ratio Lower Upper

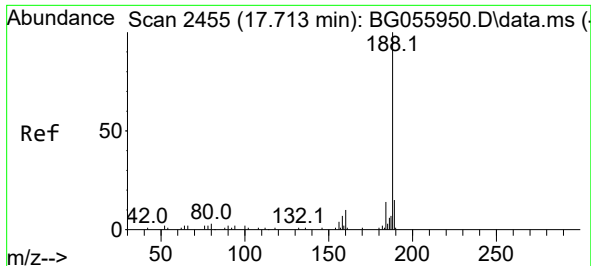
77 100

182 116.4 24.7 64.7#

105 122.0 0.3 40.3#

51 50.6 28.4 68.4

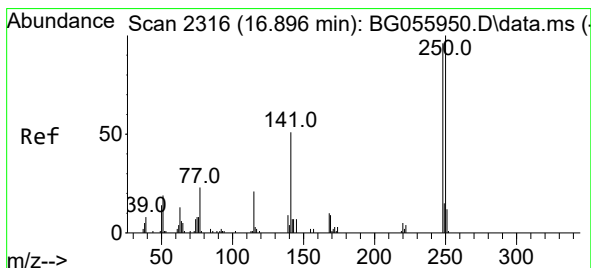
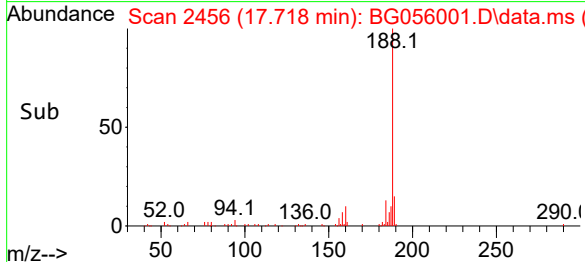
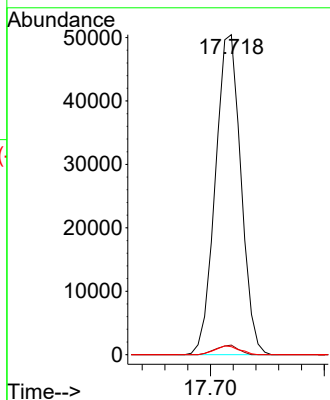
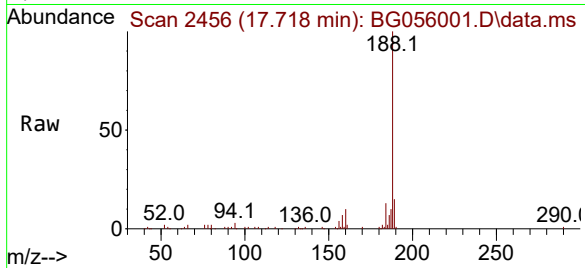




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2455
Delta R.T. 0.000 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

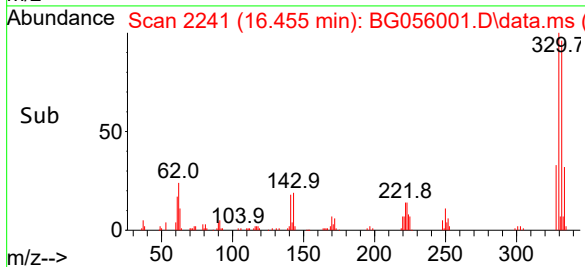
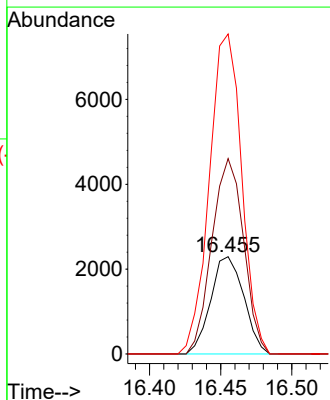
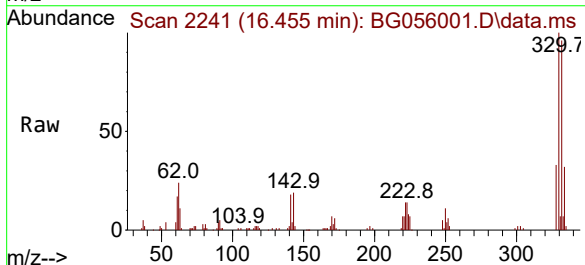
Instrument :
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RB-40-(3-5)

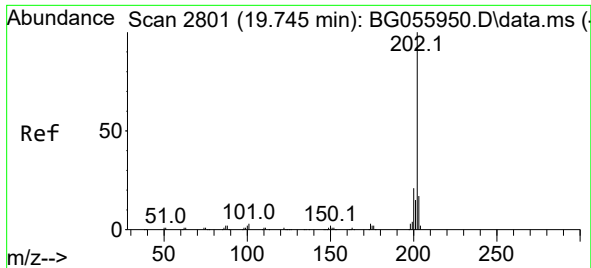
Tgt Ion:188 Resp: 78798
Ion Ratio Lower Upper
188 100
94 3.0 1.8 2.8#
80 2.5 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.217 ng
RT: 16.455 min Scan# 2241
Delta R.T. -0.446 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:248 Resp: 3714
Ion Ratio Lower Upper
248 100
250 200.8 83.0 124.6#
141 329.0 42.6 64.0#

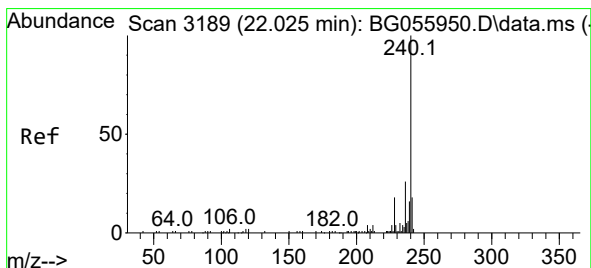
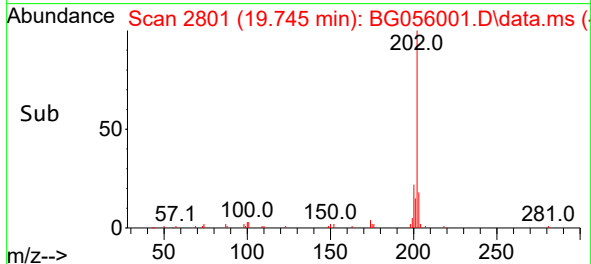
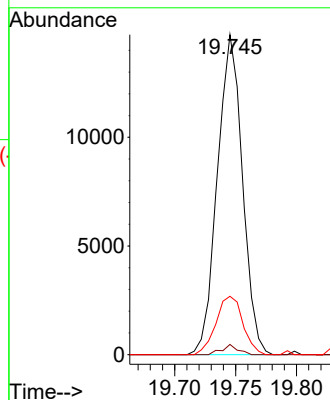
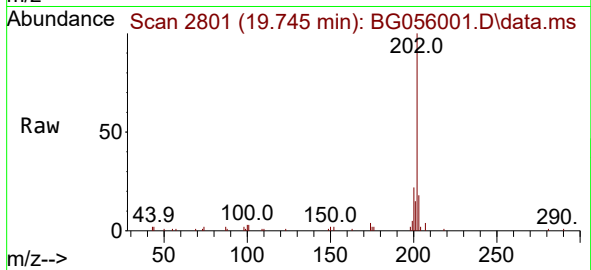




#75
Fluoranthene
Concen: 3.644 ng
RT: 19.745 min Scan# 21069
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

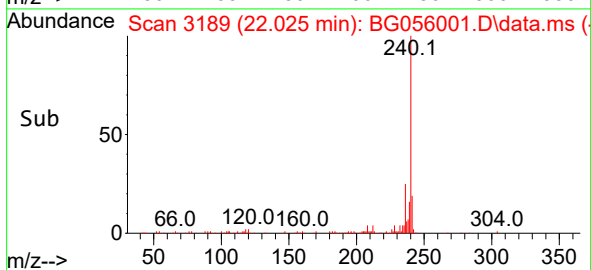
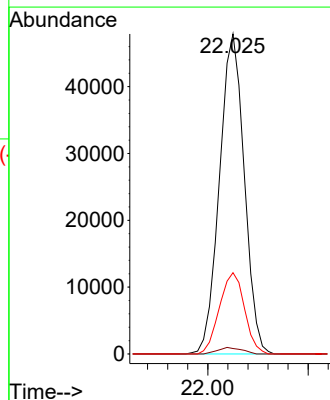
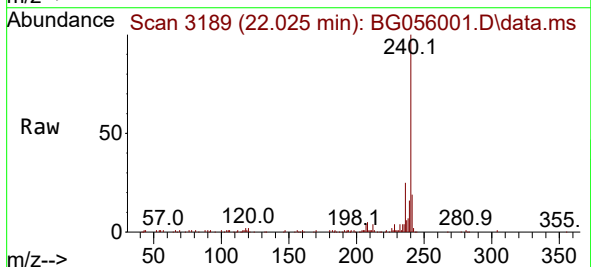
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

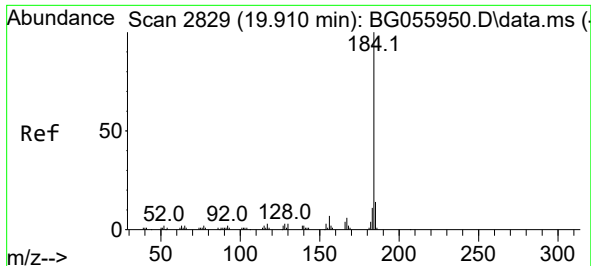
Tgt Ion:	202	Resp:	21069
Ion Ratio	Lower	Upper	
202	100		
101	3.2	0.0	22.6
203	18.3	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:	240	Resp:	81908
Ion Ratio	Lower	Upper	
240	100		
120	2.2	1.7	2.5
236	25.4	21.1	31.7

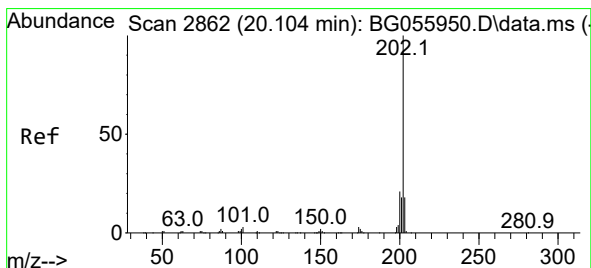
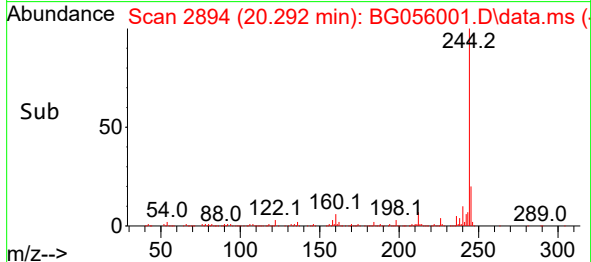
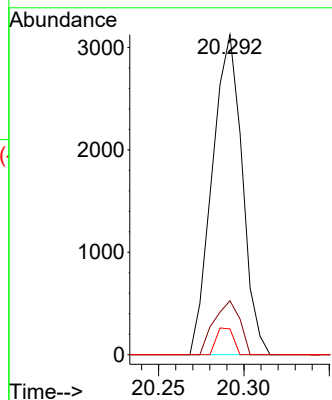
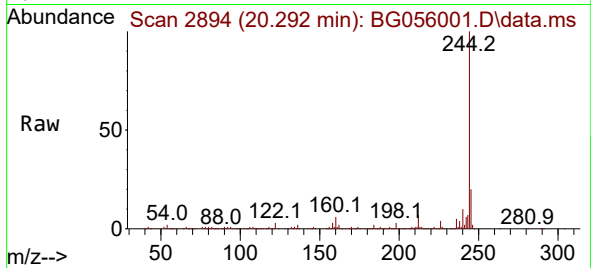




#77
Benzidine
Concen: 2.650 ng
RT: 20.292 min Scan# 2894
Delta R.T. 0.376 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

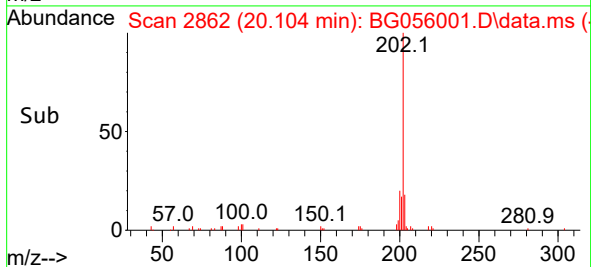
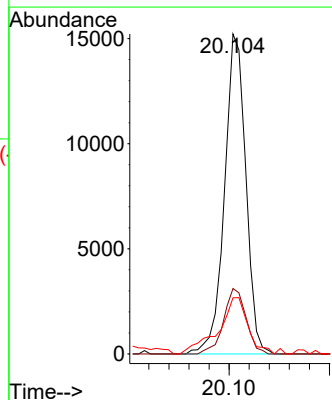
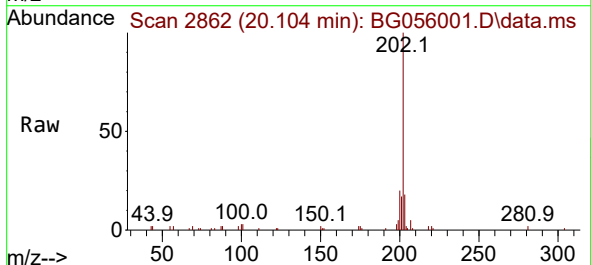
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

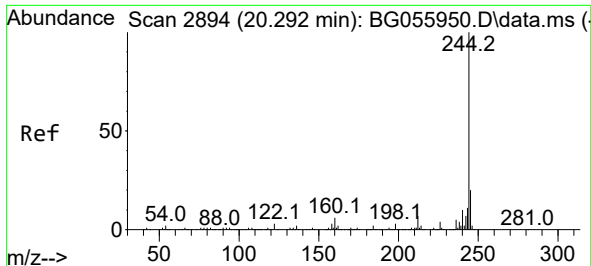
Tgt Ion:184 Resp: 3812
Ion Ratio Lower Upper
184 100
185 16.9 10.9 16.3#
183 8.0 9.2 13.8#



#78
Pyrene
Concen: 4.520 ng
RT: 20.104 min Scan# 2862
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:202 Resp: 22403
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 17.6 14.6 21.8

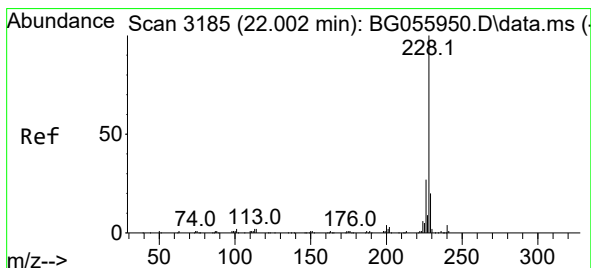
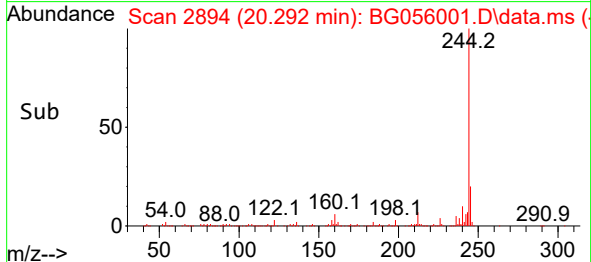
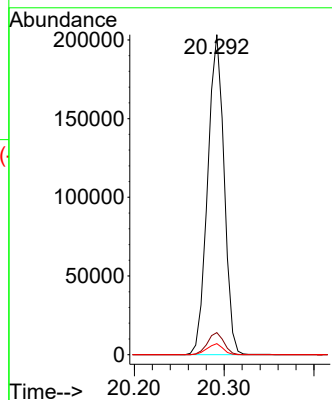
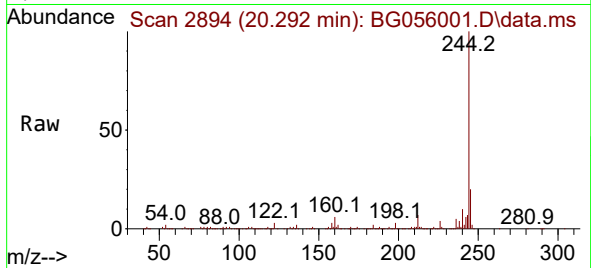




#79
 Terphenyl-d14
 Concen: 55.625 ng
 RT: 20.292 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056001.D
 Acq: 16 Dec 2022 19:52

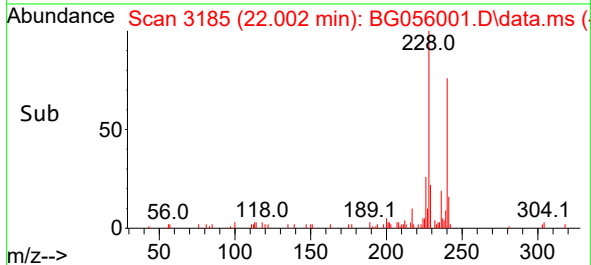
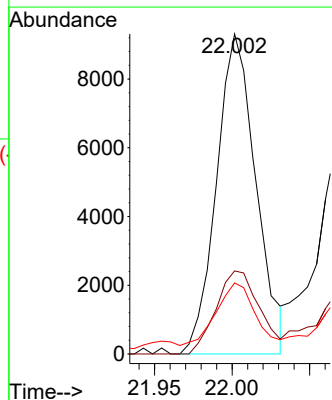
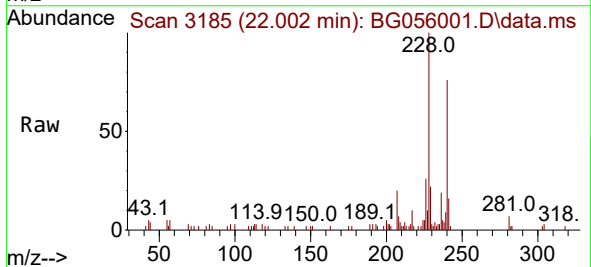
Instrument :
 BNA_G
 ClientSampleId :
 RB-40-(3-5)

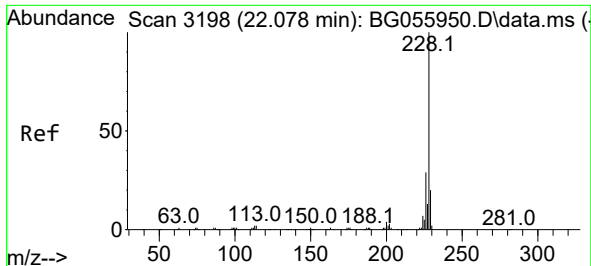
Tgt Ion:244 Resp: 257788
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 3.5 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 2.855 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.006 min
 Lab File: BG056001.D
 Acq: 16 Dec 2022 19:52

Tgt Ion:228 Resp: 16455
 Ion Ratio Lower Upper
 228 100
 226 26.0 21.8 32.6
 229 22.2 15.9 23.9





#83

Chrysene

Concen: 3.046 ng

RT: 22.002 min Scan# 3198

Delta R.T. -0.082 min

Lab File: BG056001.D

Acq: 16 Dec 2022 19:52

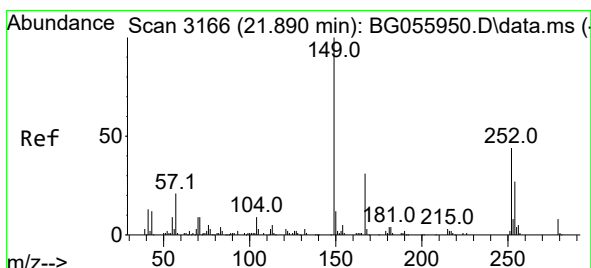
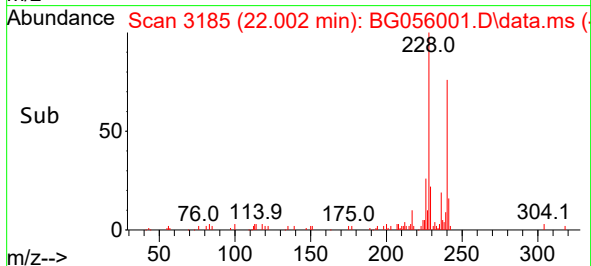
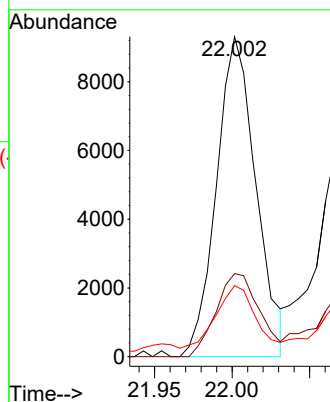
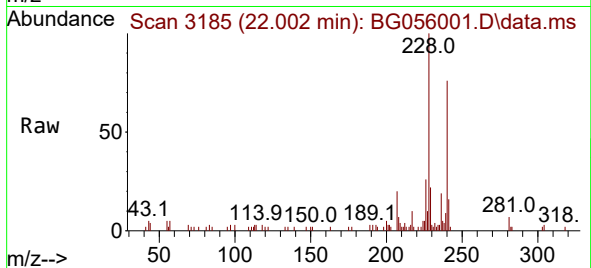
Instrument :

BNA_G

ClientSampleId :

RB-40-(3-5)

Tgt Ion:	228	Resp:	16455
Ion Ratio	Lower	Upper	
228	100		
226	26.0	23.1	34.7
229	22.2	15.7	23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.648 ng

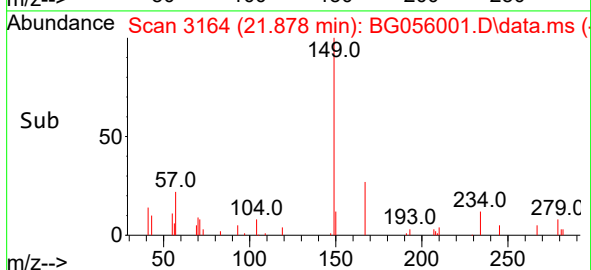
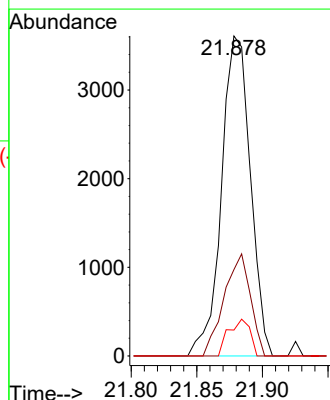
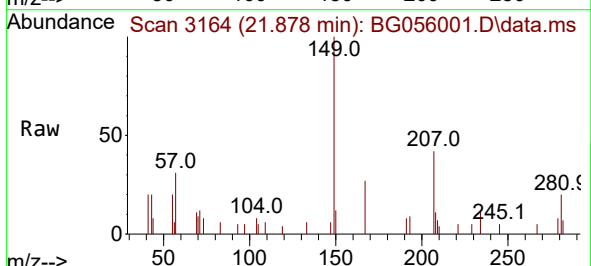
RT: 21.878 min Scan# 3164

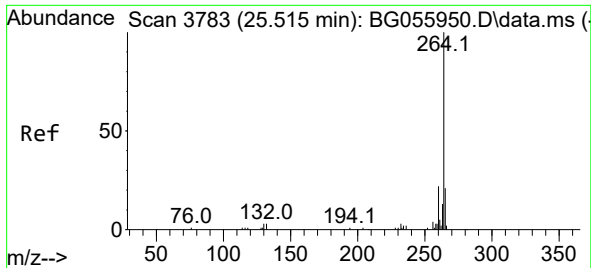
Delta R.T. -0.006 min

Lab File: BG056001.D

Acq: 16 Dec 2022 19:52

Tgt Ion:	149	Resp:	5525
Ion Ratio	Lower	Upper	
149	100		
167	27.0	24.6	36.8
279	8.1	6.3	9.5

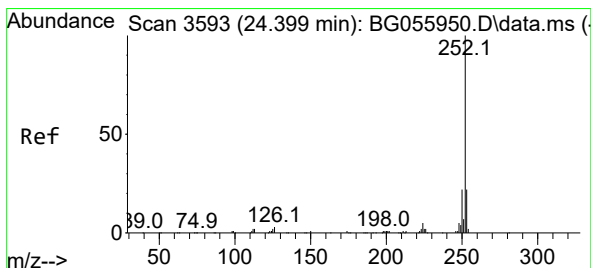
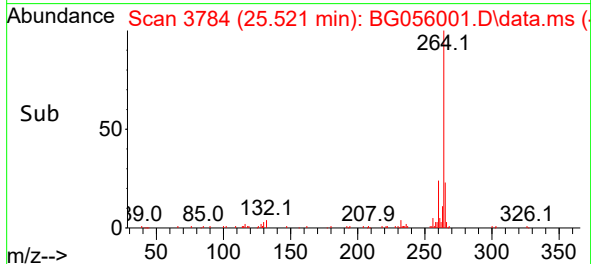
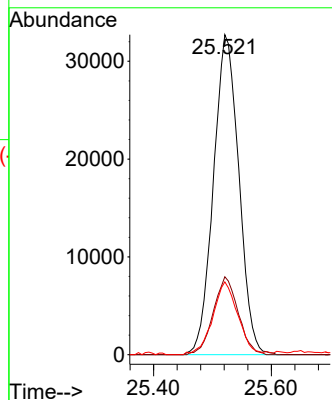
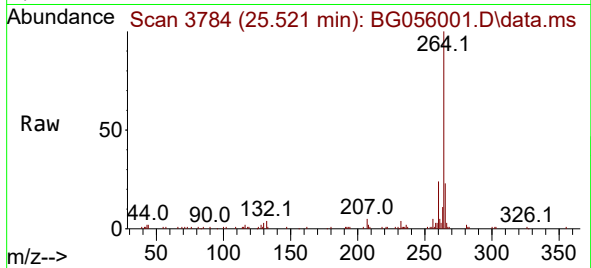




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.521 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

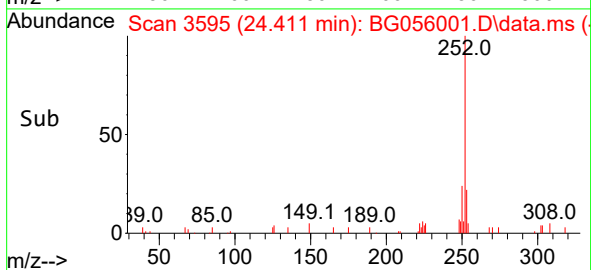
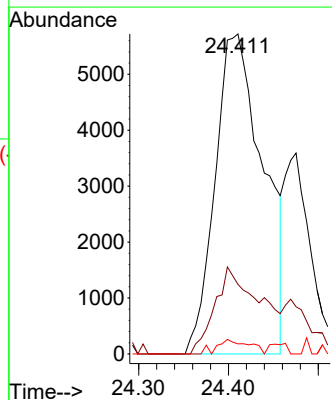
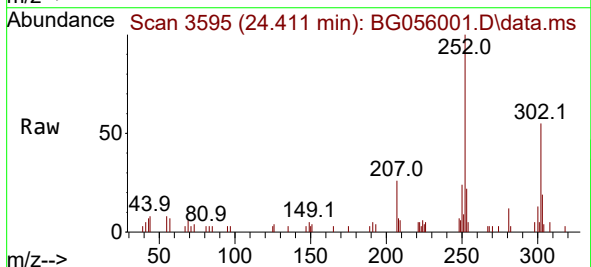
Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

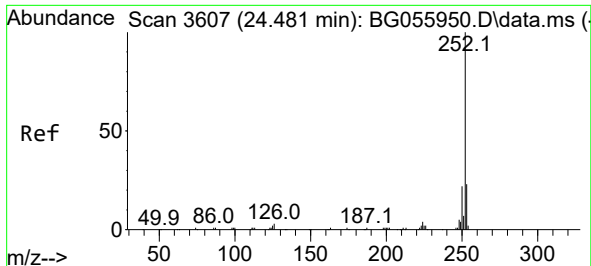
Tgt Ion:264 Resp: 98010
Ion Ratio Lower Upper
264 100
260 24.3 17.8 26.8
265 22.7 16.6 25.0



#88
Benzo(b)fluoranthene
Concen: 3.353 ng
RT: 24.411 min Scan# 3595
Delta R.T. -0.006 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:252 Resp: 21270
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 3.1 1.8 2.8#

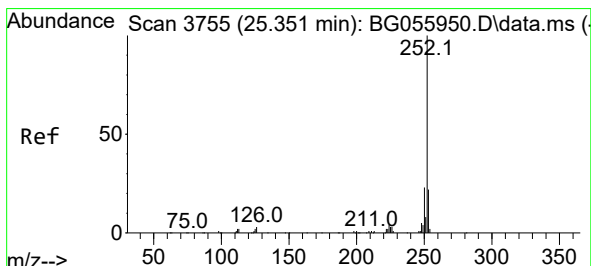
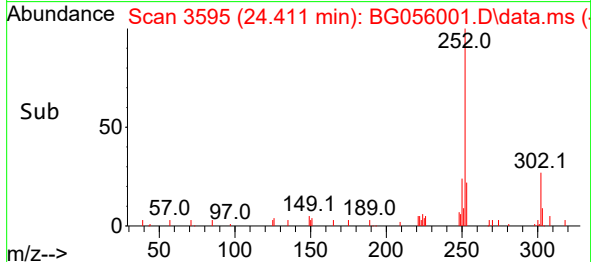
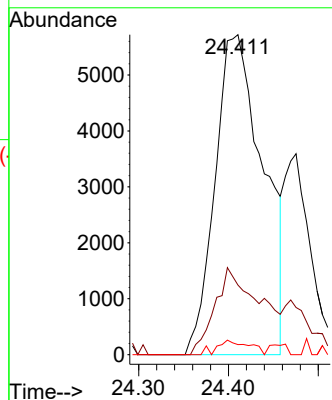
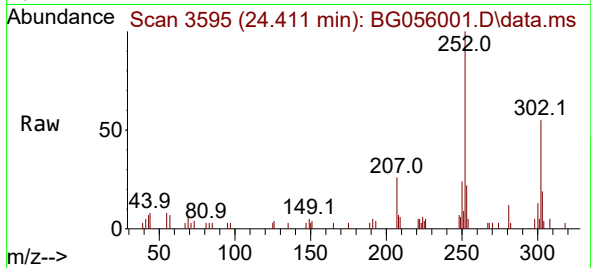




#89
Benzo(k)fluoranthene
Concen: 3.361 ng
RT: 24.411 min Scan# 31
Delta R.T. -0.076 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Instrument :
BNA_G
ClientSampleId :
RB-40-(3-5)

Tgt Ion:252 Resp: 21270
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 3.1 2.0 3.0#



#90
Benzo(a)pyrene
Concen: 3.044 ng
RT: 25.351 min Scan# 3755
Delta R.T. -0.023 min
Lab File: BG056001.D
Acq: 16 Dec 2022 19:52

Tgt Ion:252 Resp: 16321
Ion Ratio Lower Upper
252 100
253 19.1 17.7 26.5
125 4.4 1.9 2.9#

