

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080423\
 Data File : BG058616.D
 Acq On : 4 Aug 2023 18:12
 Operator : MA/JU
 Sample : 03769-04RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P14B

Quant Time: Aug 04 23:23:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

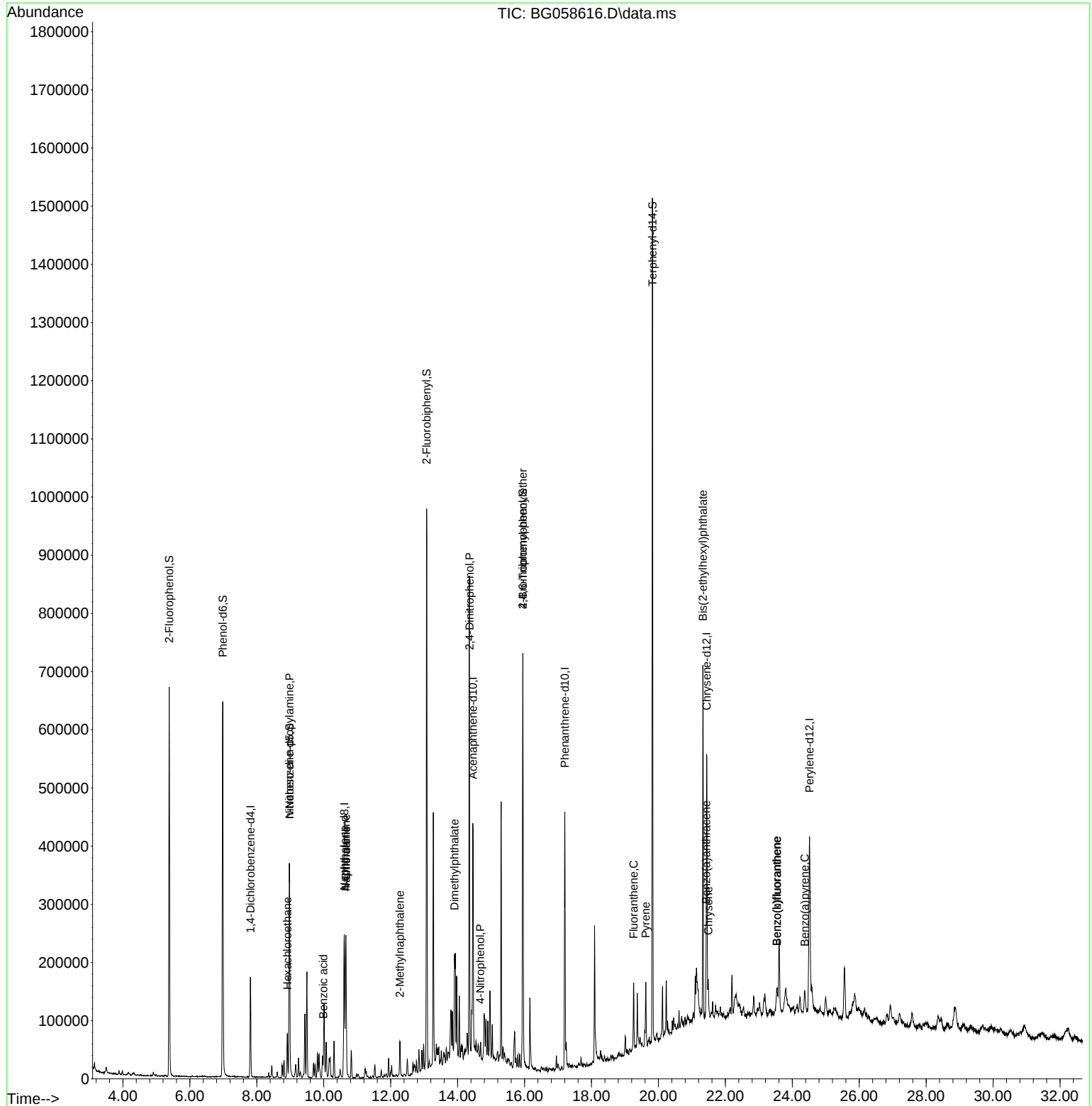
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	47609	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	207397	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	135676	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	292570	20.000	ng	0.00
76) Chrysene-d12	21.442	240	256177	20.000	ng	0.00
86) Perylene-d12	24.515	264	318053	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	281293	90.307	ng	0.00
7) Phenol-d6	6.983	99	396235	91.420	ng	0.00
23) Nitrobenzene-d5	8.975	82	235137	55.696	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	163484	73.515	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	535487	59.147	ng	0.00
79) Terphenyl-d14	19.827	244	769685	56.501	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.916	117	4429	3.719	ng	# 1
19) n-Nitroso-di-n-propyla...	8.975	70	29565	10.560	ng	# 82
31) Naphthalene	10.661	128	155848	14.257	ng	99
32) Benzoic acid	9.985	122	619	4.799	ng	# 1
33) 4-Chloroaniline	10.661	127	21107	4.570	ng	# 40
37) 2-Methylnaphthalene	12.277	142	33031	4.224	ng	99
50) Dimethylphthalate	13.910	163	44764	4.393	ng	# 97
54) 2,4-Dinitrophenol	14.357	184	60	7.528	ng	# 1
56) 4-Nitrophenol	14.680	139	117	3.393	ng	# 1
67) 4-Bromophenyl-phenylether	15.949	248	9942	2.996	ng	# 1
75) Fluoranthene	19.263	202	61511	3.691	ng	97
78) Pyrene	19.621	202	68179	3.911	ng	98
81) Benzo(a)anthracene	21.425	228	39513	2.241	ng	97
83) Chrysene	21.489	228	40799	2.414	ng	96
84) Bis(2-ethylhexyl)phtha...	21.331	149	231059	22.079	ng	99
88) Benzo(b)fluoranthene	23.540	252	49362	2.861	ng	# 87
89) Benzo(k)fluoranthene	23.540	252	49362	2.848	ng	# 88
90) Benzo(a)pyrene	24.374	252	35874	2.118	ng	# 89

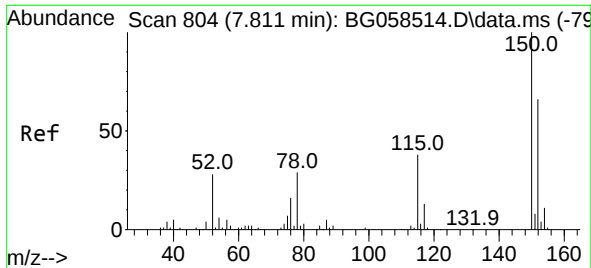
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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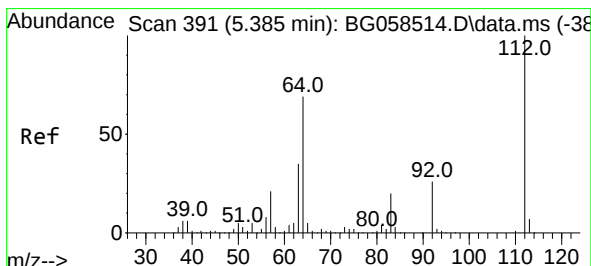
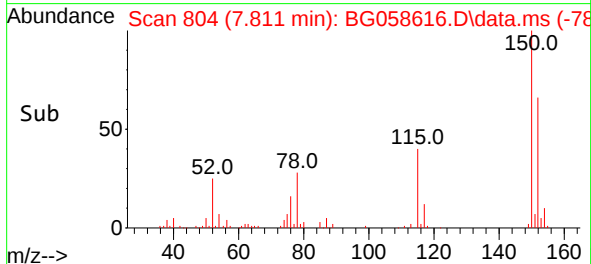
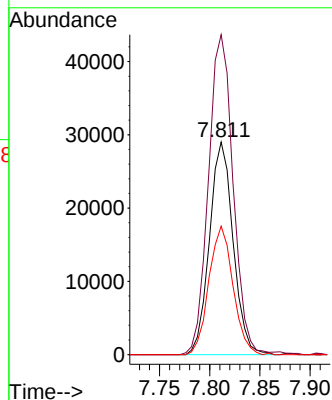
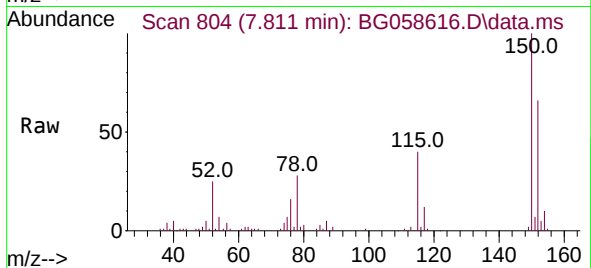




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

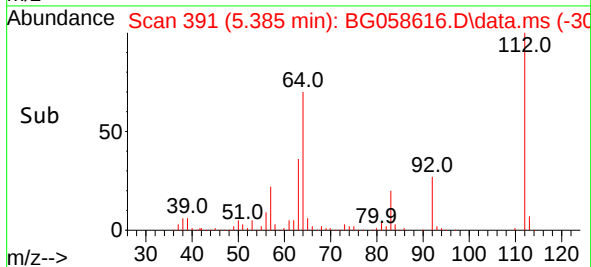
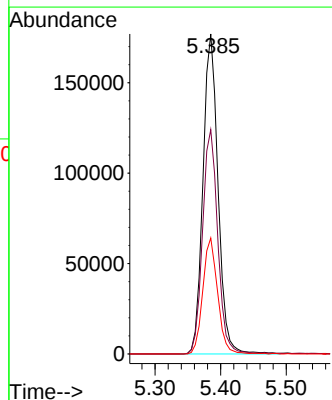
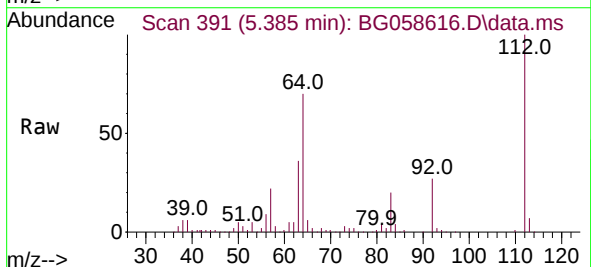
Instrument :
BNA_G
ClientSampleId :
B-P14B

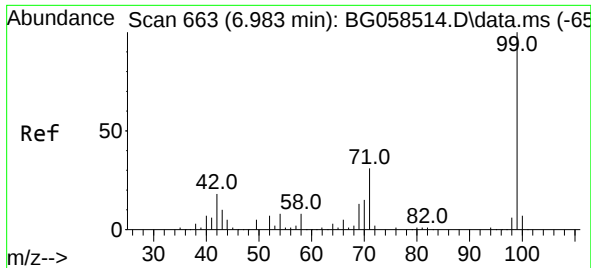
Tgt Ion:152 Resp: 47609
Ion Ratio Lower Upper
152 100
150 150.5 120.5 180.7
115 60.4 45.9 68.9



#5
2-Fluorophenol
Concen: 90.307 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:112 Resp: 281293
Ion Ratio Lower Upper
112 100
64 70.1 55.3 82.9
63 36.2 28.3 42.5

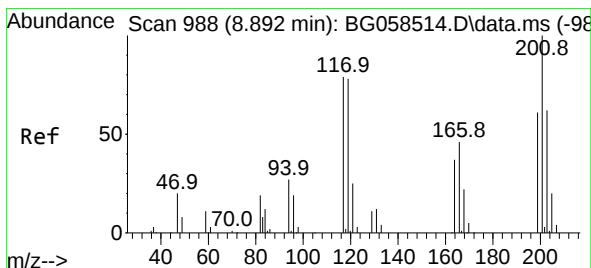
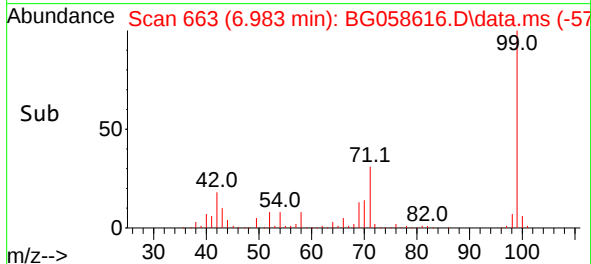
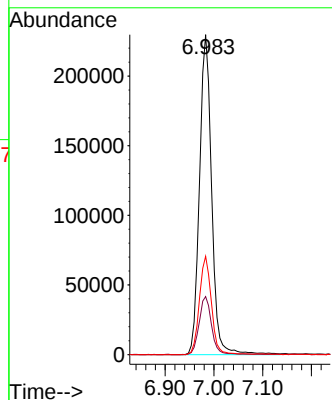
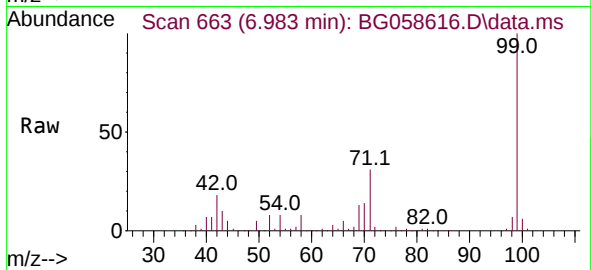




#7
Phenol-d6
Concen: 91.420 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

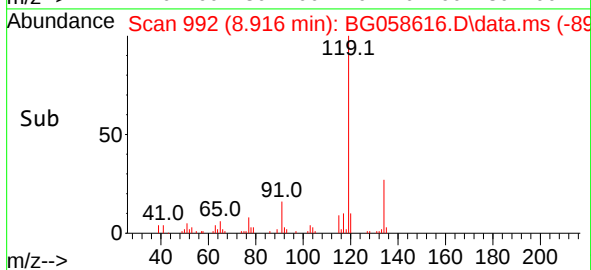
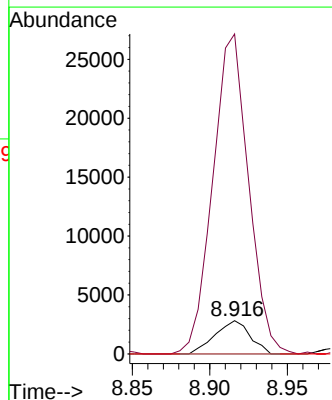
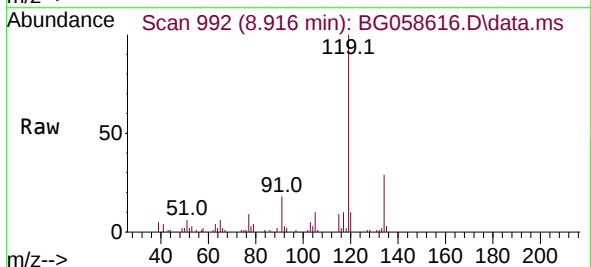
Instrument :
BNA_G
ClientSampleId :
B-P14B

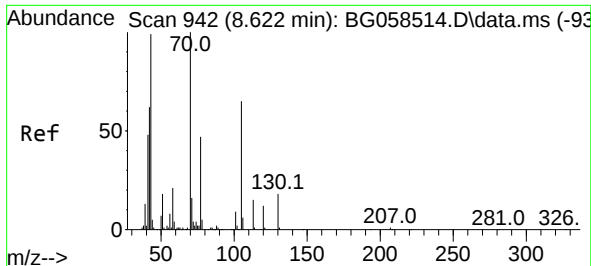
Tgt Ion: 99 Resp: 396235
Ion Ratio Lower Upper
99 100
42 18.1 14.6 21.8
71 30.7 25.0 37.4



#18
Hexachloroethane
Concen: 3.719 ng
RT: 8.916 min Scan# 992
Delta R.T. 0.024 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion: 117 Resp: 4429
Ion Ratio Lower Upper
117 100
119 963.8 78.6 117.8#
201 0.0 101.4 152.0#

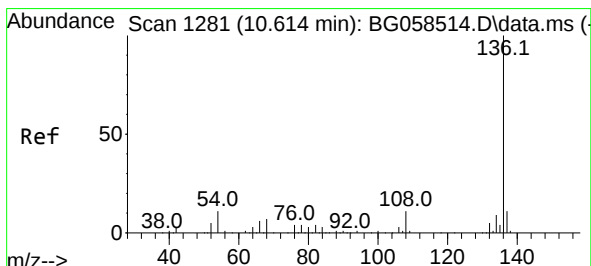
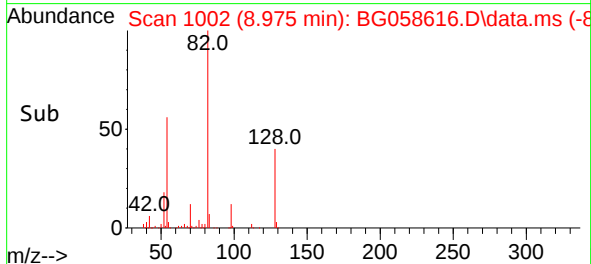
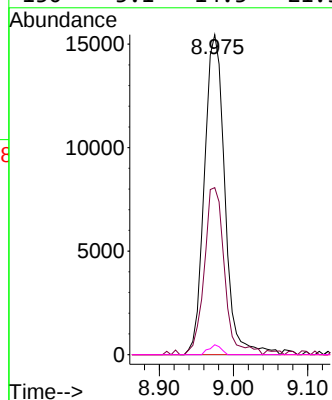
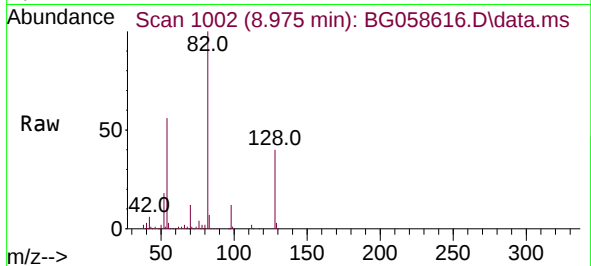




#19
n-Nitroso-di-n-propylamine
Concen: 10.560 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

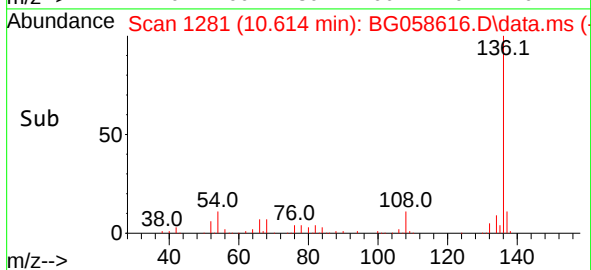
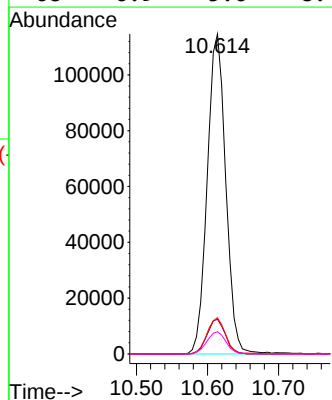
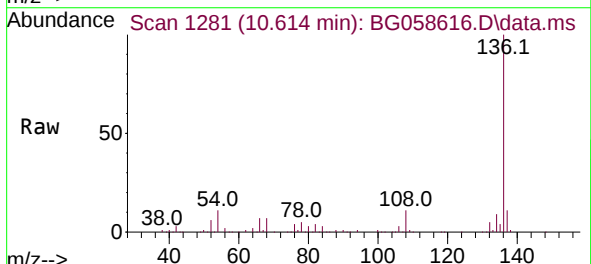
Instrument :
BNA_G
ClientSampleId :
B-P14B

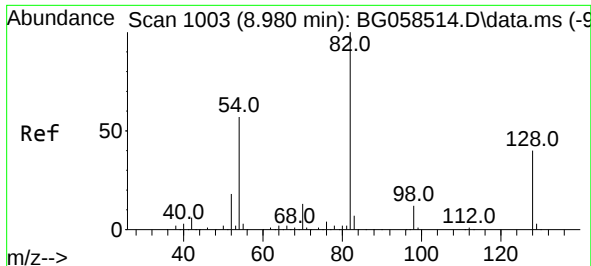
Tgt Ion: 70 Resp: 29565
Ion Ratio Lower Upper
70 100
42 52.2 49.7 74.5
101 0.0 7.0 10.4#
130 3.1 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion: 136 Resp: 207397
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 11.3 8.9 13.3
68 6.9 5.6 8.4

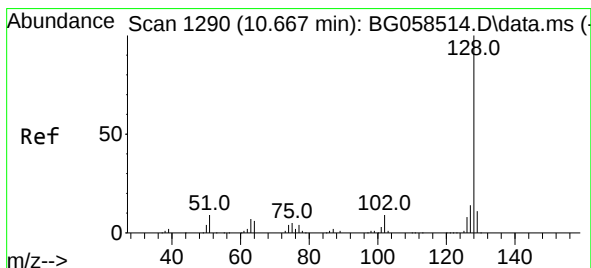
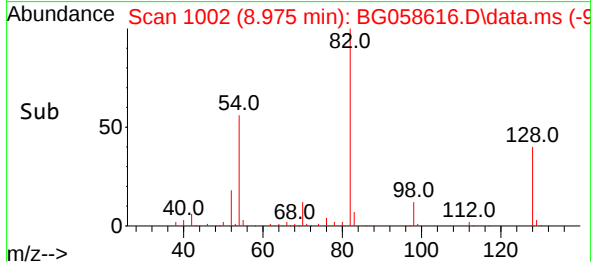
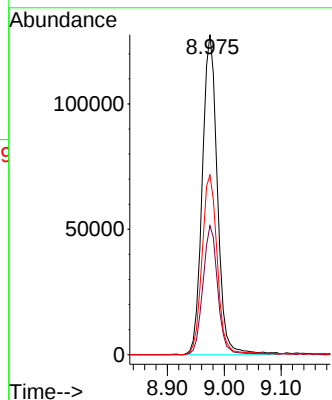
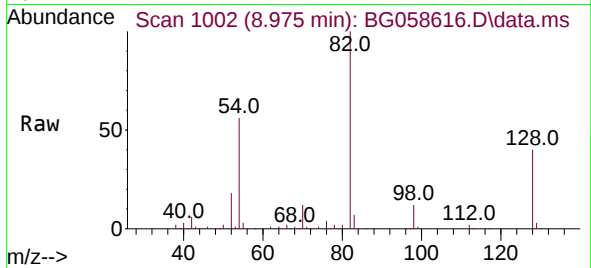




#23
Nitrobenzene-d5
Concen: 55.696 ng
RT: 8.975 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

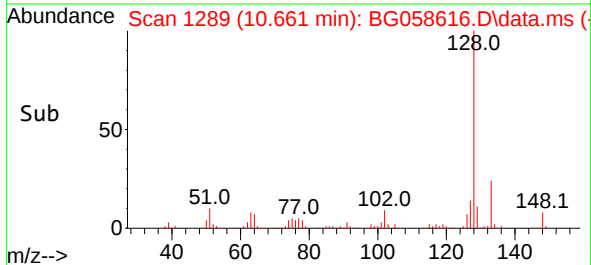
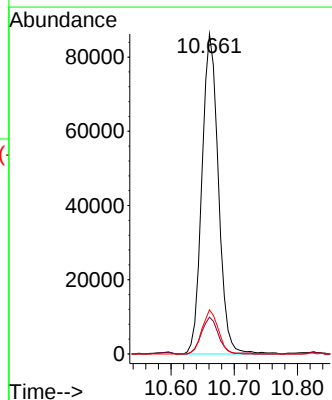
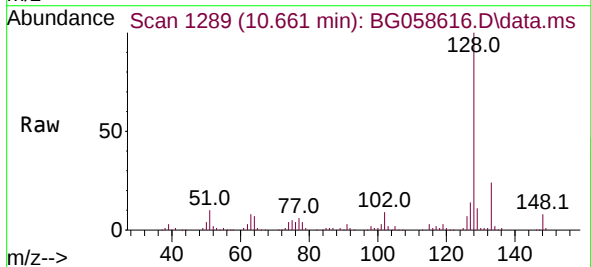
Instrument :
BNA_G
ClientSampleId :
B-P14B

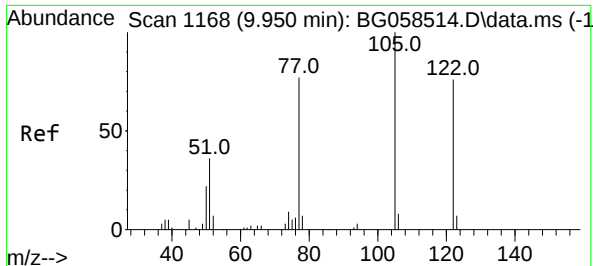
Tgt Ion: 82 Resp: 235137
Ion Ratio Lower Upper
82 100
128 40.3 32.2 48.2
54 56.1 46.0 69.0



#31
Naphthalene
Concen: 14.257 ng
RT: 10.661 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion: 128 Resp: 155848
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.8 10.9 16.3





#32

Benzoic acid

Concen: 4.799 ng

RT: 9.985 min Scan# 1174

Delta R.T. 0.035 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

Instrument :

BNA_G

ClientSampleId :

B-P14B

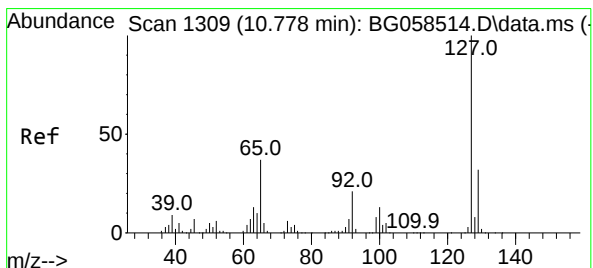
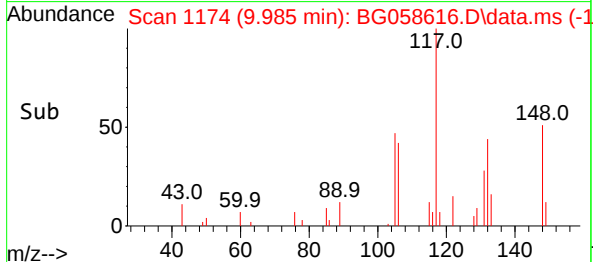
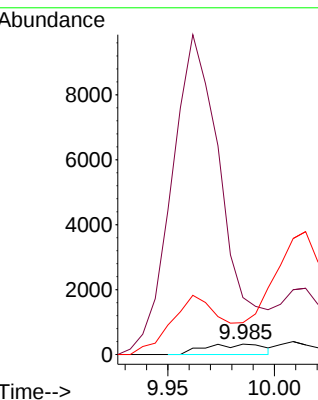
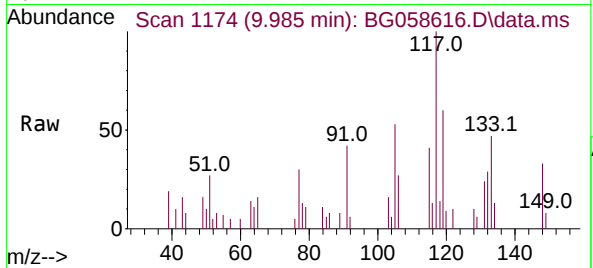
Tgt Ion:122 Resp: 619

Ion Ratio Lower Upper

122 100

105 542.0 106.5 146.5#

77 303.7 78.1 118.1#



#33

4-Chloroaniline

Concen: 4.570 ng

RT: 10.661 min Scan# 1289

Delta R.T. -0.117 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

Tgt Ion:127 Resp: 21107

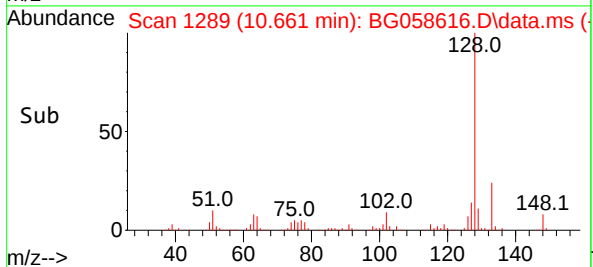
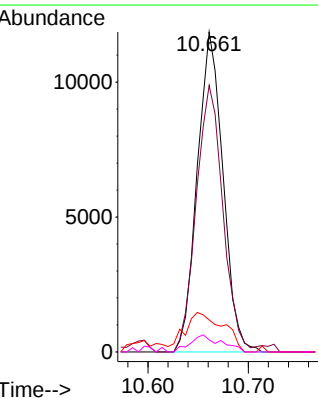
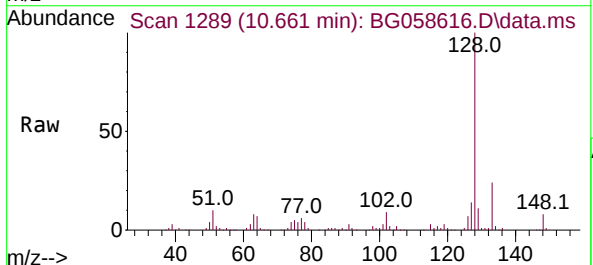
Ion Ratio Lower Upper

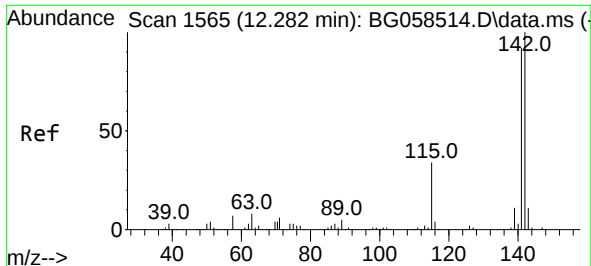
127 100

129 83.3 25.4 38.2#

65 10.0 29.5 44.3#

92 3.8 16.6 24.8#





#37

2-Methylnaphthalene

Concen: 4.224 ng

RT: 12.277 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

Instrument :

BNA_G

ClientSampleId :

B-P14B

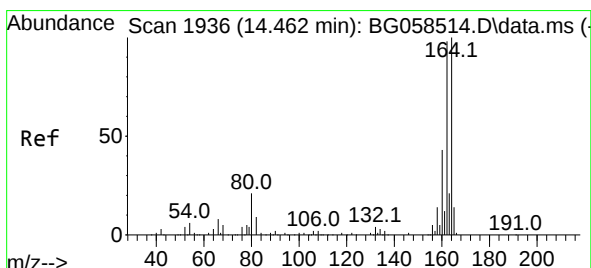
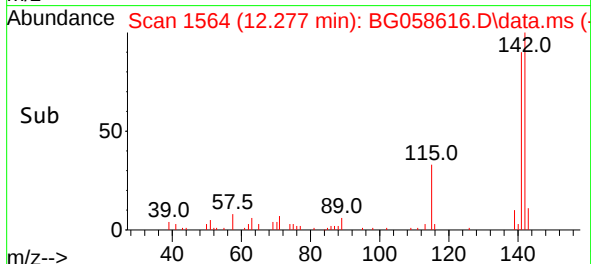
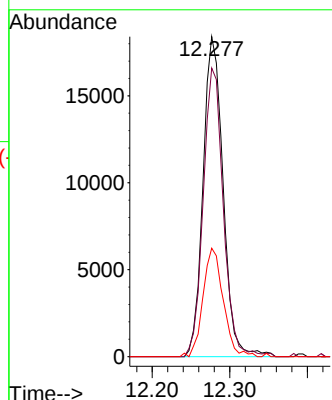
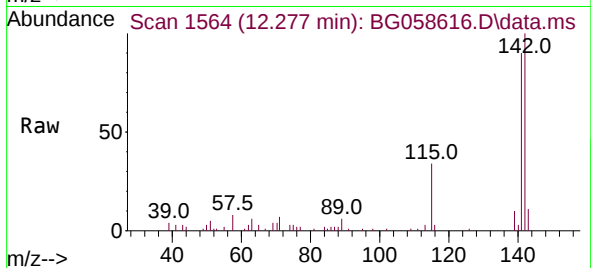
Tgt Ion:142 Resp: 33031

Ion Ratio Lower Upper

142 100

141 90.2 73.5 110.3

115 33.9 27.4 41.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.456 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

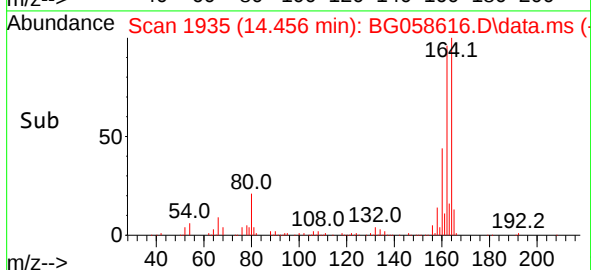
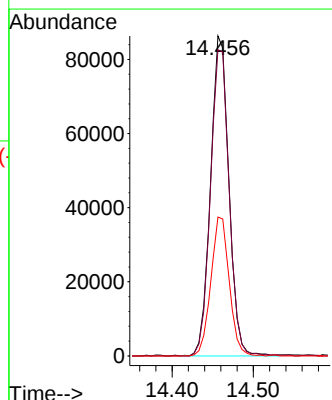
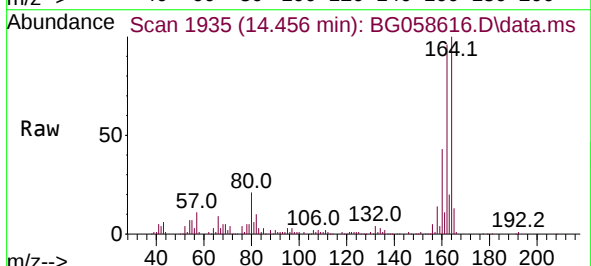
Tgt Ion:164 Resp: 135676

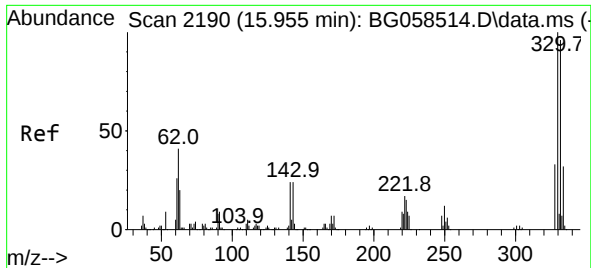
Ion Ratio Lower Upper

164 100

162 95.7 78.3 117.5

160 43.4 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 73.515 ng

RT: 15.949 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

Instrument :

BNA_G

ClientSampleId :

B-P14B

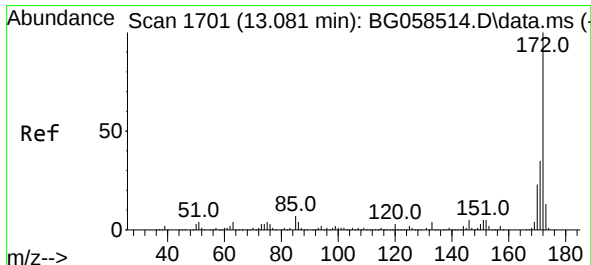
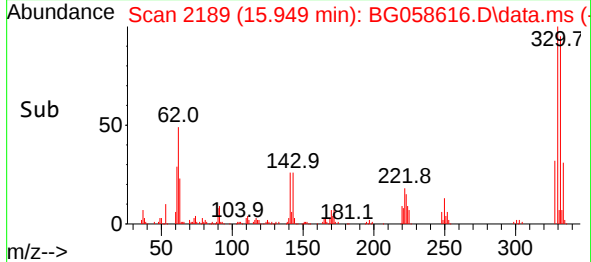
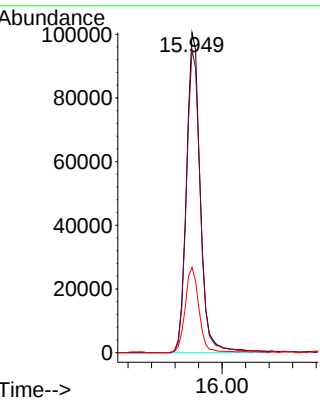
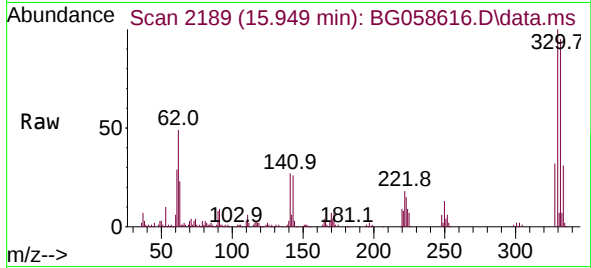
Tgt Ion:330 Resp: 163484

Ion Ratio Lower Upper

330 100

332 95.4 77.5 116.3

141 26.6 20.7 31.1



#45

2-Fluorobiphenyl

Concen: 59.147 ng

RT: 13.076 min Scan# 1700

Delta R.T. -0.006 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

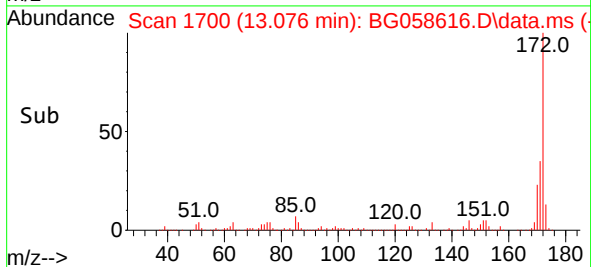
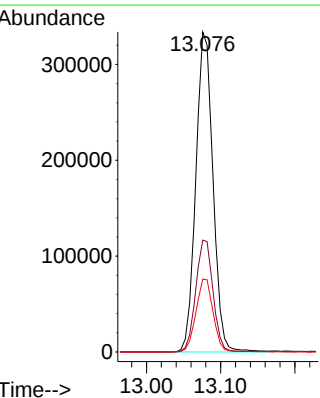
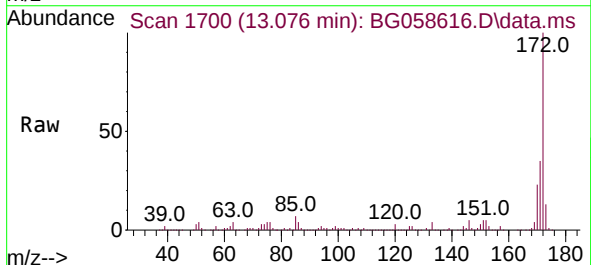
Tgt Ion:172 Resp: 535487

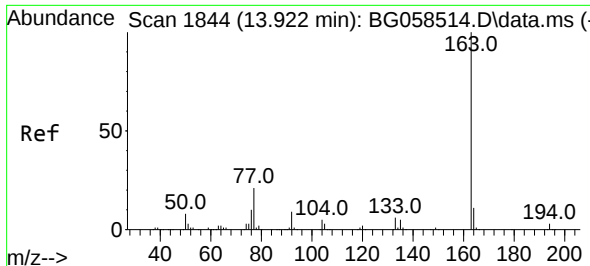
Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

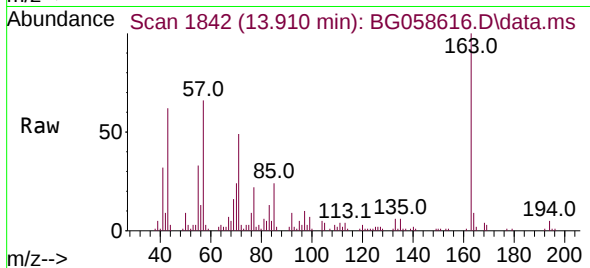
170 22.7 18.4 27.6



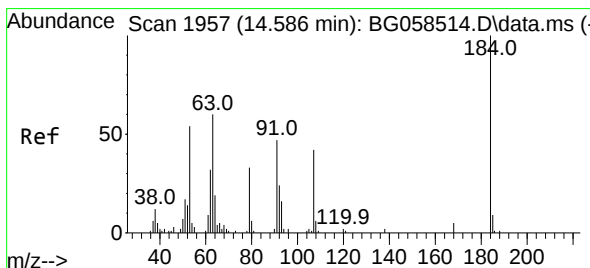
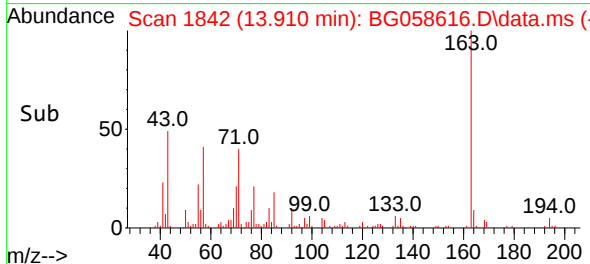
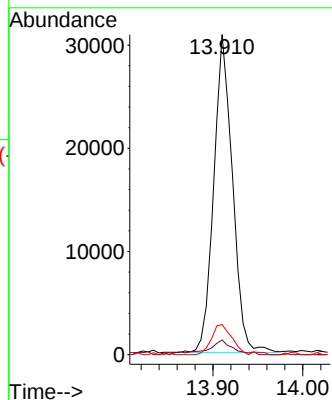


#50
Dimethylphthalate
Concen: 4.393 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Instrument :
BNA_G
ClientSampleId :
B-P14B

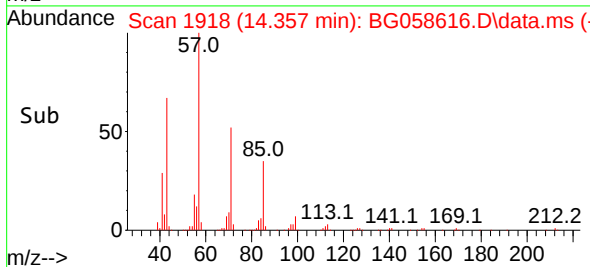
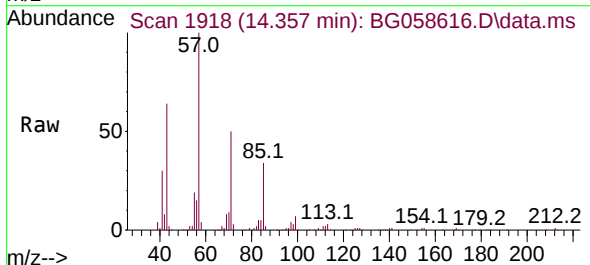
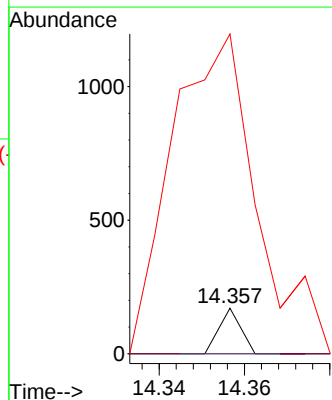


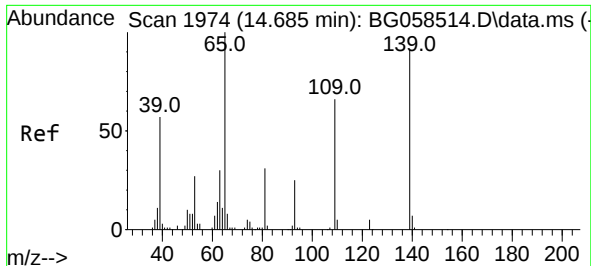
Tgt Ion:163 Resp: 44764
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 9.4 8.6 12.8



#54
2,4-Dinitrophenol
Concen: 7.528 ng
RT: 14.357 min Scan# 1918
Delta R.T. -0.229 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 56.7 85.1#
154 700.0 46.1 69.1#

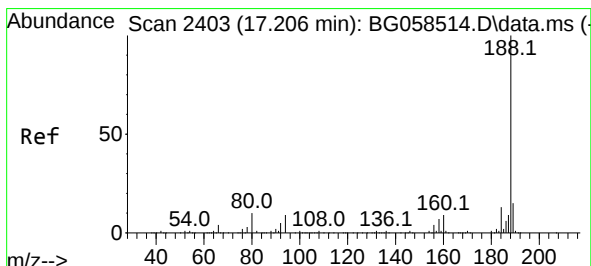
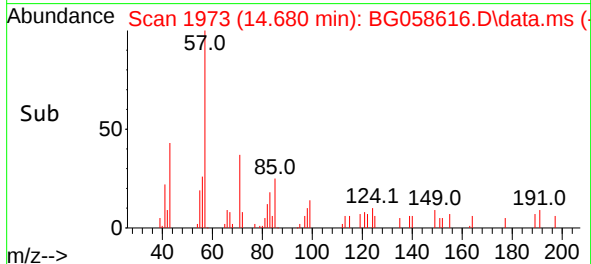
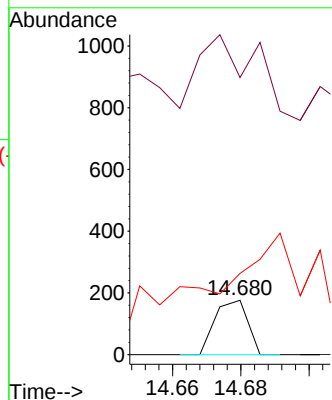
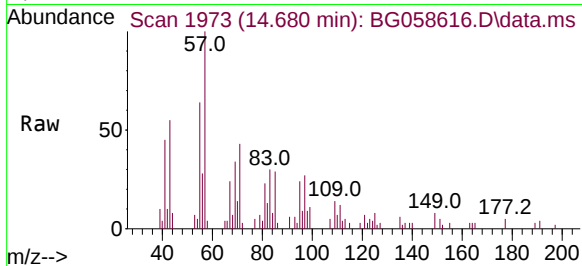




#56
4-Nitrophenol
Concen: 3.393 ng
RT: 14.680 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

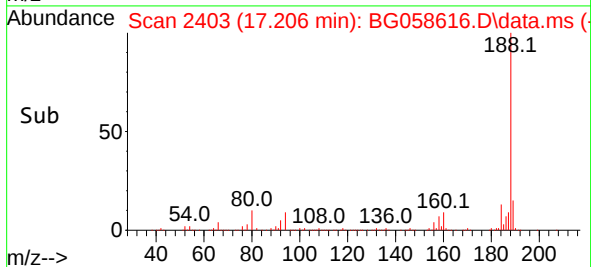
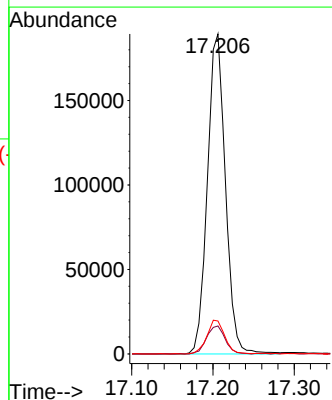
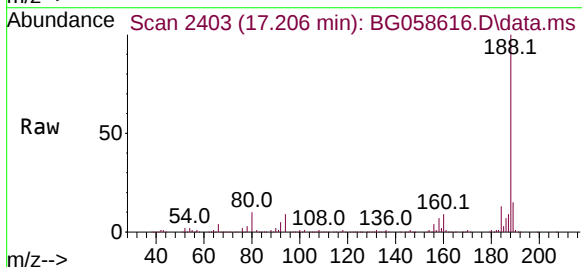
Instrument :
BNA_G
ClientSampleId :
B-P14B

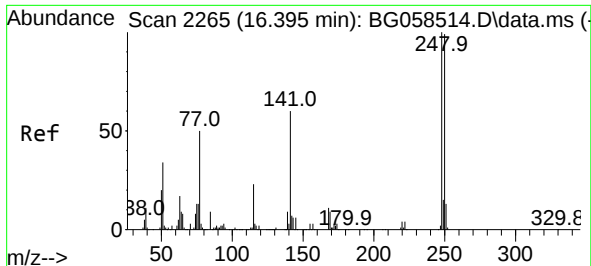
Tgt Ion:139 Resp: 117
Ion Ratio Lower Upper
139 100
109 510.2 52.5 92.5#
65 149.4 90.5 130.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 2403
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:188 Resp: 292570
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 10.3 8.1 12.1

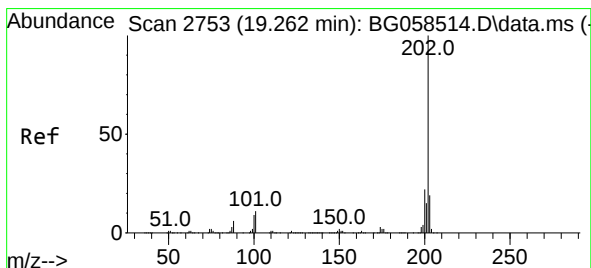
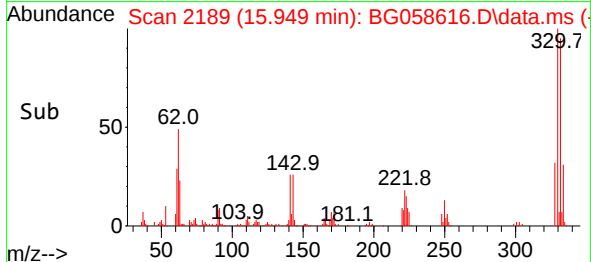
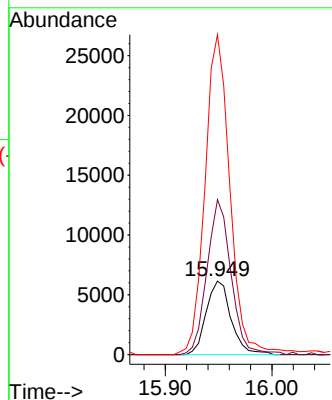
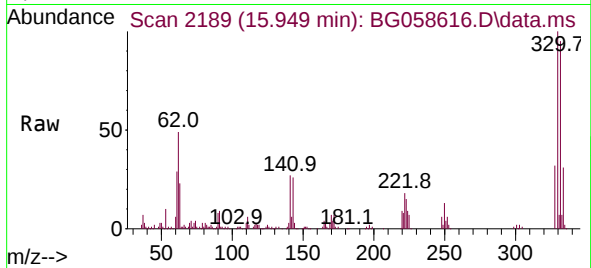




#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

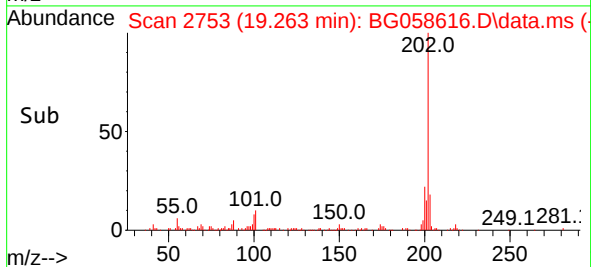
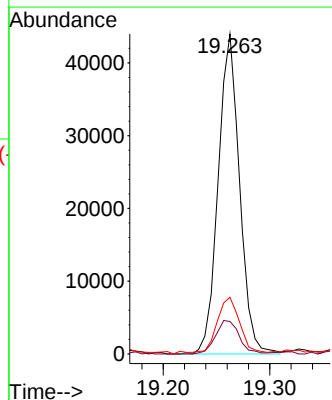
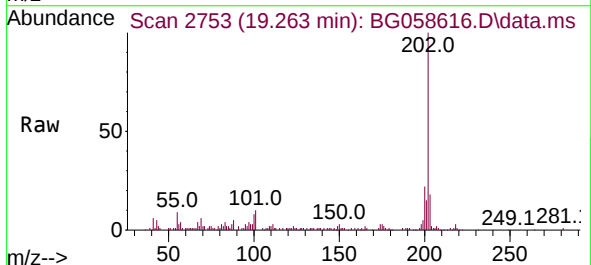
Instrument :
BNA_G
ClientSampleId :
B-P14B

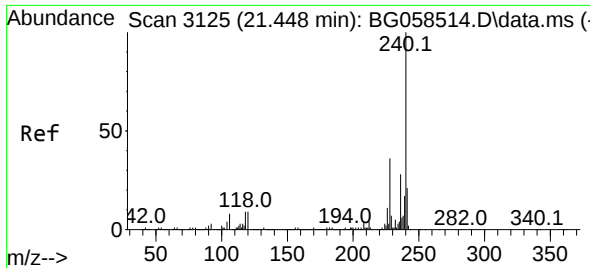
Tgt Ion:248 Resp: 9942
Ion Ratio Lower Upper
248 100
250 210.8 79.5 119.3#
141 435.2 48.2 72.2#



#75
Fluoranthene
Concen: 3.691 ng
RT: 19.263 min Scan# 2753
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:202 Resp: 61511
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.7 0.0 39.0

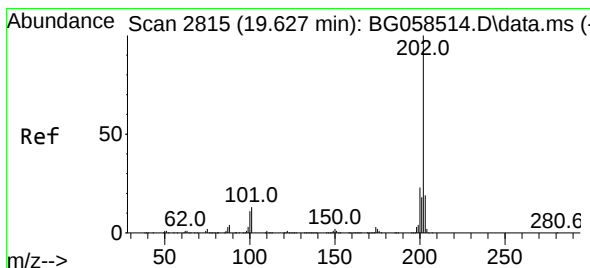
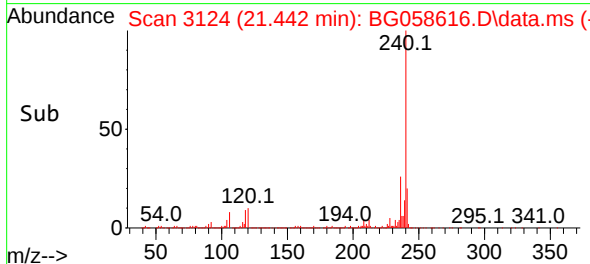
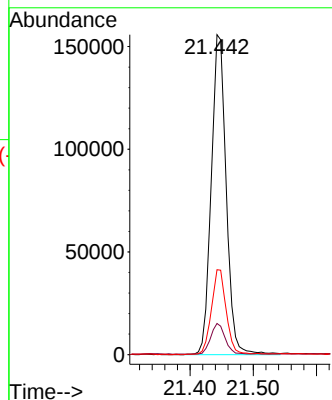
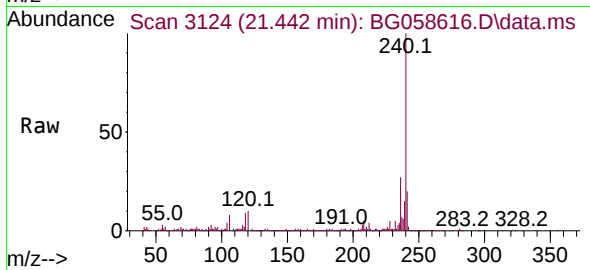




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.442 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

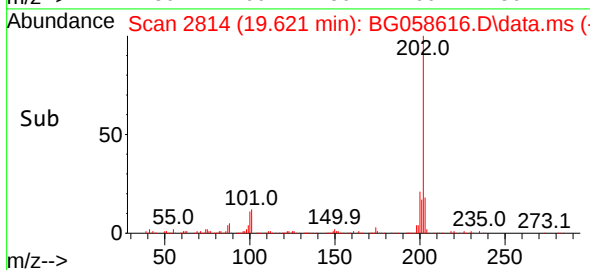
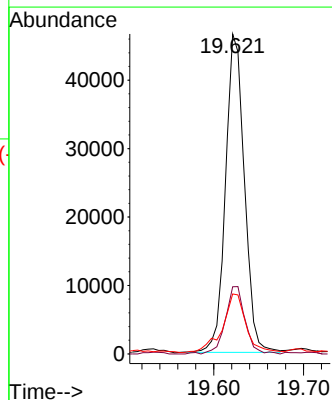
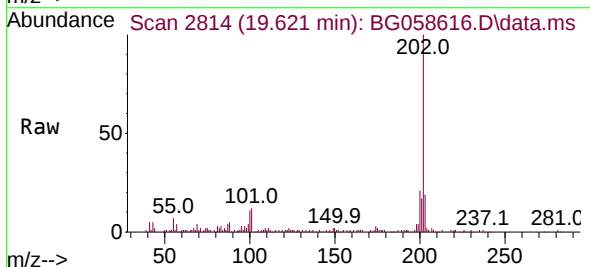
Instrument :
BNA_G
ClientSampleId :
B-P14B

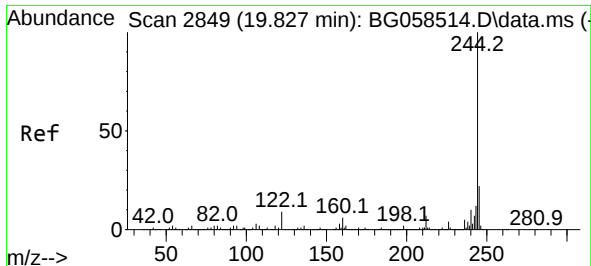
Tgt Ion:240 Resp: 256177
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 26.5 22.2 33.4



#78
Pyrene
Concen: 3.911 ng
RT: 19.621 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:202 Resp: 68179
Ion Ratio Lower Upper
202 100
200 21.0 18.2 27.2
203 18.7 15.1 22.7

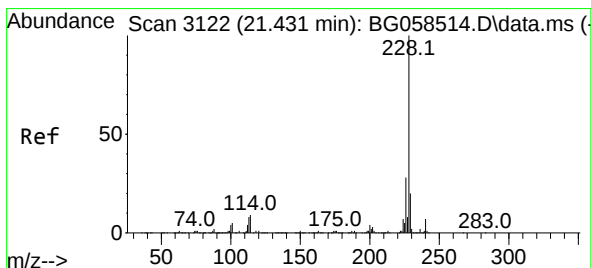
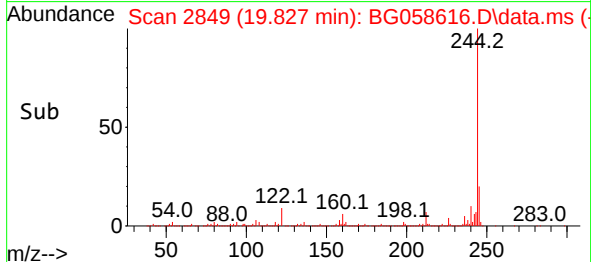
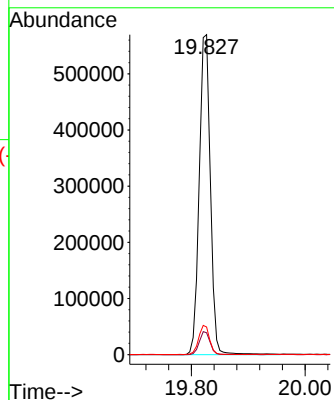
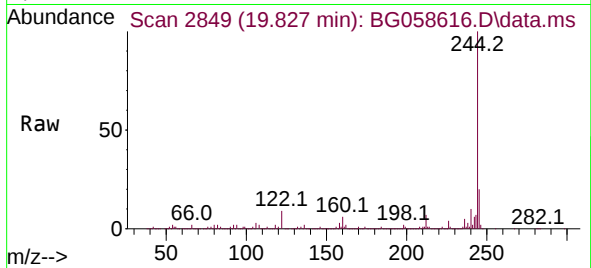




#79
 Terphenyl-d14
 Concen: 56.501 ng
 RT: 19.827 min Scan# 2849
 Delta R.T. 0.000 min
 Lab File: BG058616.D
 Acq: 4 Aug 2023 18:12

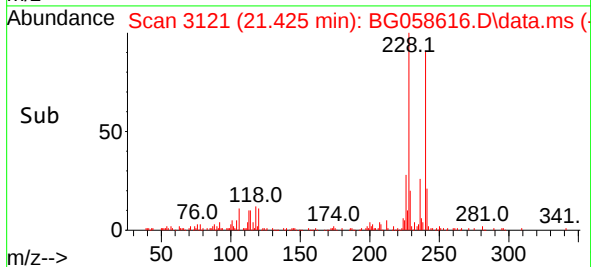
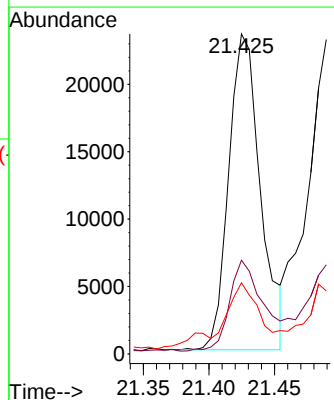
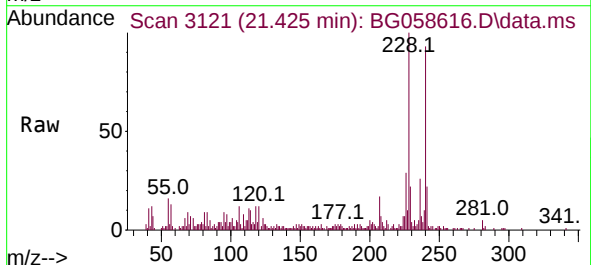
Instrument :
 BNA_G
 ClientSampleId :
 B-P14B

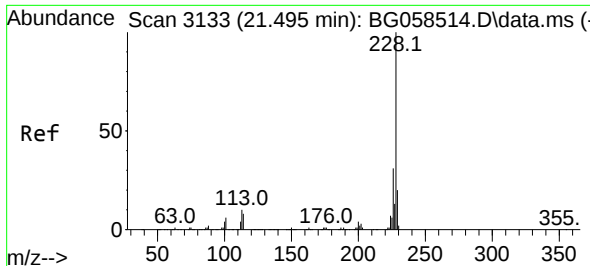
Tgt Ion:244 Resp: 769685
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 8.6 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 2.241 ng
 RT: 21.425 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BG058616.D
 Acq: 4 Aug 2023 18:12

Tgt Ion:228 Resp: 39513
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 22.2 16.3 24.5

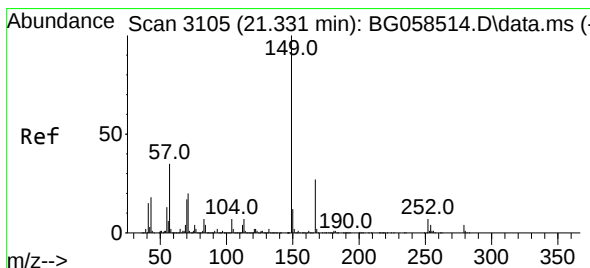
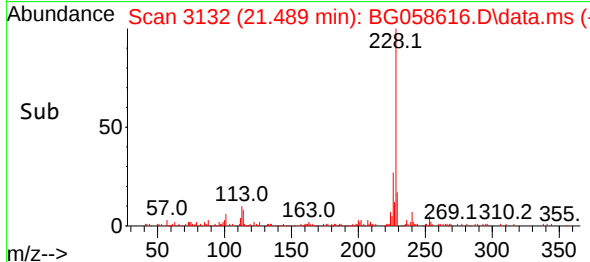
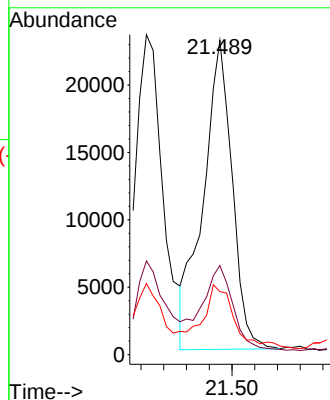
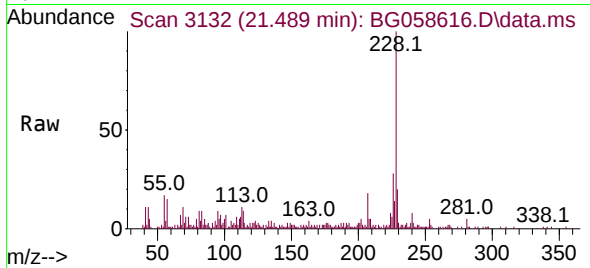




#83
Chrysene
Concen: 2.414 ng
RT: 21.489 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

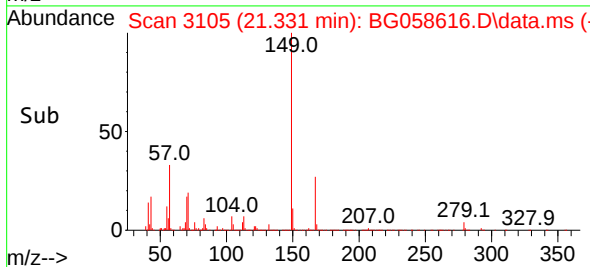
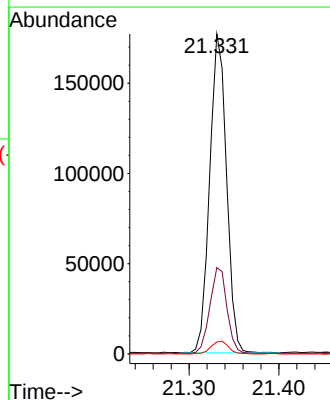
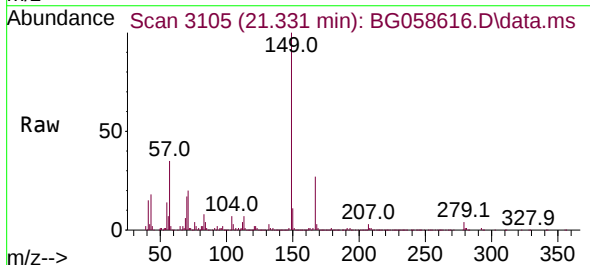
Instrument :
BNA_G
ClientSampleId :
B-P14B

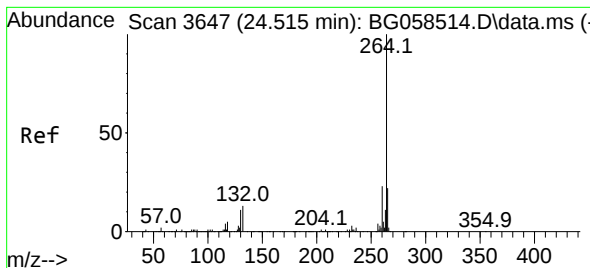
Tgt Ion:228 Resp: 40799
Ion Ratio Lower Upper
228 100
226 28.3 25.0 37.6
229 20.0 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.079 ng
RT: 21.331 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:149 Resp: 231059
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.7 2.9 4.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.515 min Scan# 30

Delta R.T. 0.000 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

Instrument :

BNA_G

ClientSampleId :

B-P14B

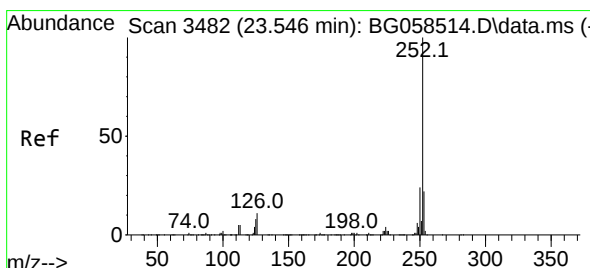
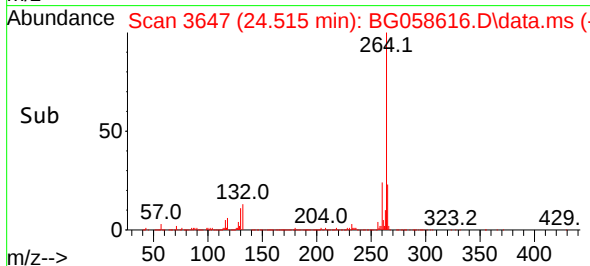
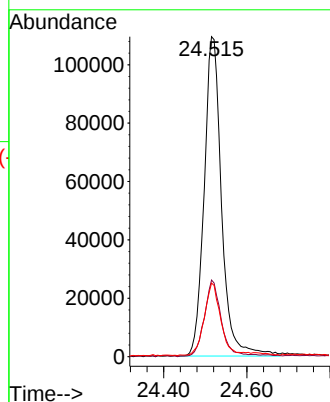
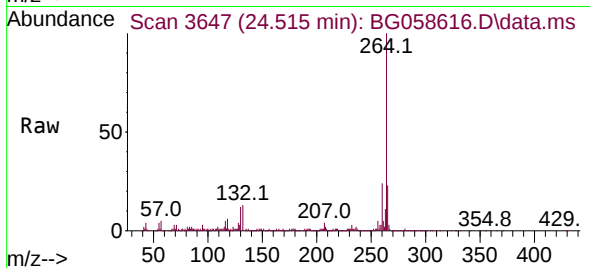
Tgt Ion:264 Resp: 318053

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 23.0 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.861 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.006 min

Lab File: BG058616.D

Acq: 4 Aug 2023 18:12

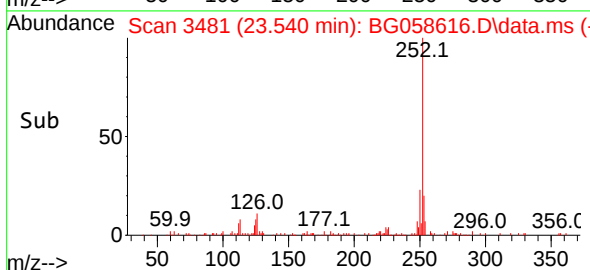
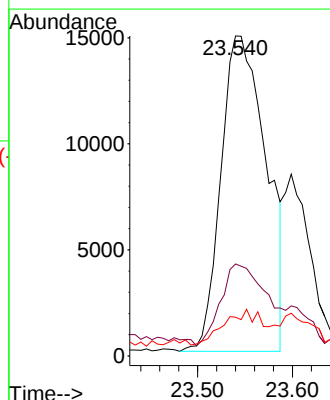
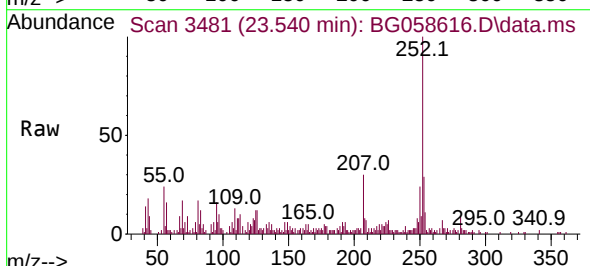
Tgt Ion:252 Resp: 49362

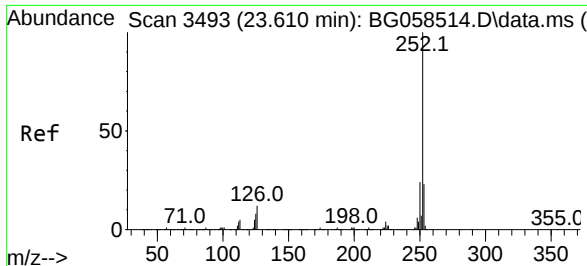
Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.8#

125 12.1 6.6 9.8#

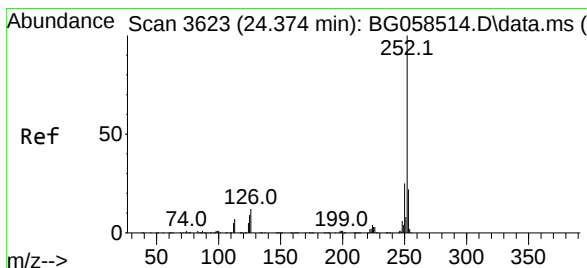
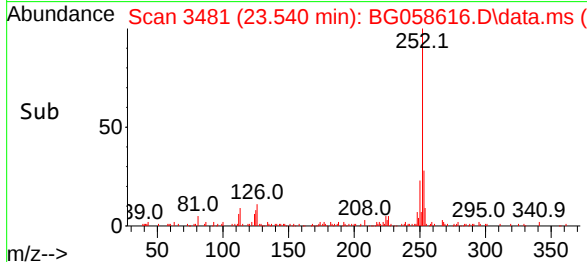
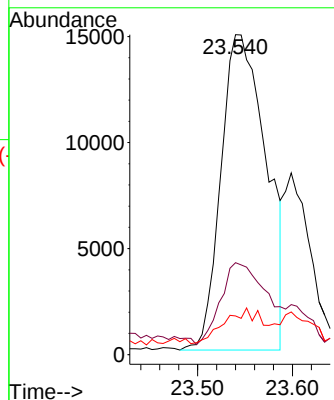
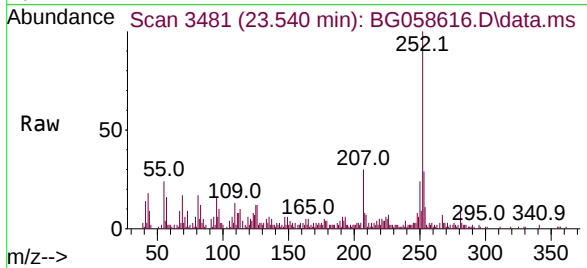




#89
Benzo(k)fluoranthene
Concen: 2.848 ng
RT: 23.540 min Scan# 3493
Delta R.T. -0.070 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Instrument :
BNA_G
ClientSampleId :
B-P14B

Tgt Ion:252 Resp: 49362
Ion Ratio Lower Upper
252 100
253 28.7 17.9 26.9#
125 12.1 6.6 10.0#



#90
Benzo(a)pyrene
Concen: 2.118 ng
RT: 24.374 min Scan# 3623
Delta R.T. 0.000 min
Lab File: BG058616.D
Acq: 4 Aug 2023 18:12

Tgt Ion:252 Resp: 35874
Ion Ratio Lower Upper
252 100
253 26.8 17.5 26.3#
125 13.3 7.4 11.2#

