

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051524\
 Data File : BG061214.D
 Acq On : 15 May 2024 20:27
 Operator : MA/JU
 Sample : P2466-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-051324DL

Quant Time: May 16 01:16:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

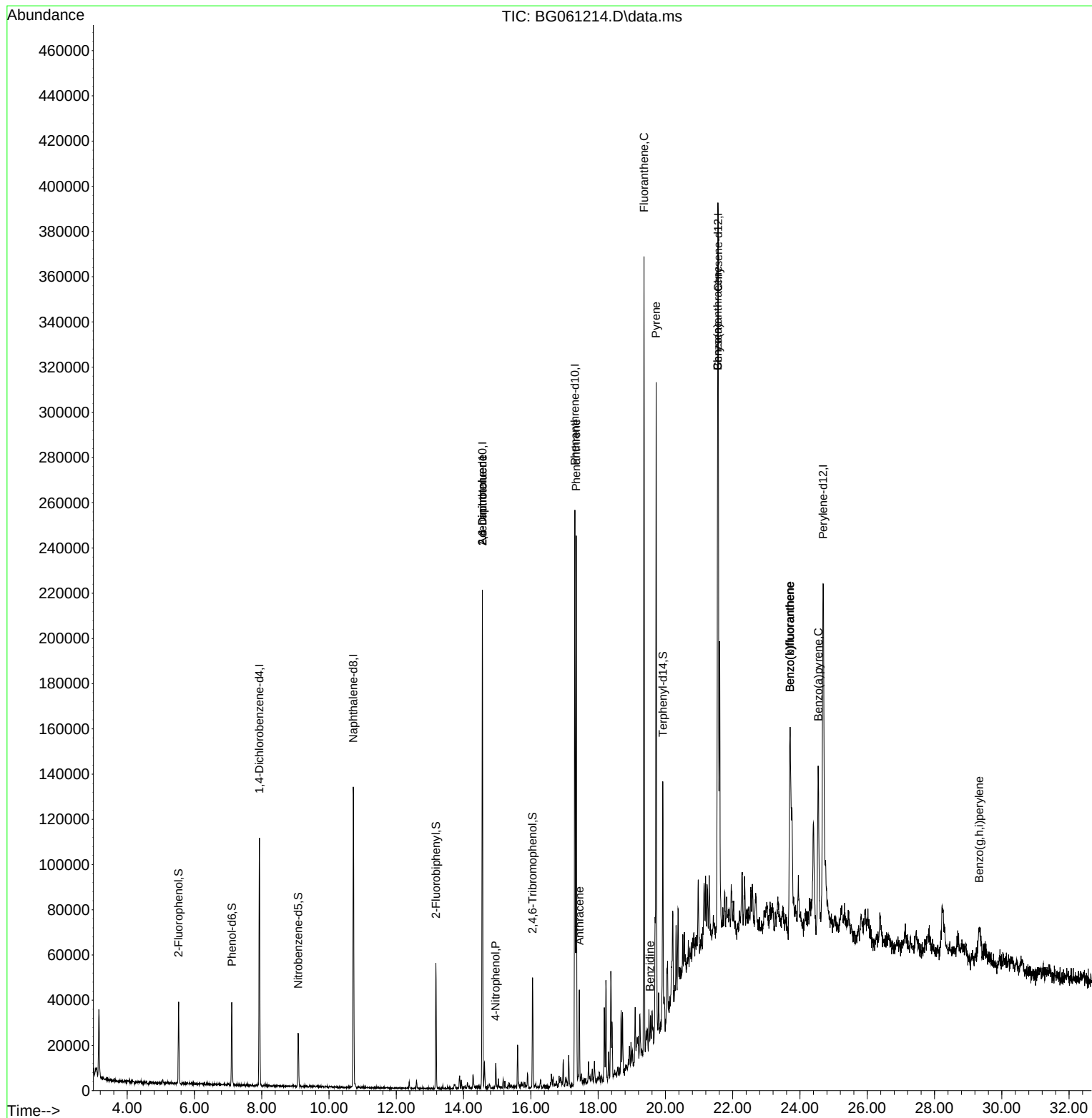
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	27993	20.000	ng	-0.03
21) Naphthalene-d8	10.721	136	105462	20.000	ng	#-0.04
39) Acenaphthene-d10	14.557	164	76894	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	168377	20.000	ng	-0.03
76) Chrysene-d12	21.567	240	168830	20.000	ng	-0.03
86) Perylene-d12	24.687	264	202625	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	12854	9.339	ng	-0.02
7) Phenol-d6	7.113	99	16958	8.328	ng	-0.02
23) Nitrobenzene-d5	9.081	82	13437	6.316	ng	-0.04
42) 2,4,6-Tribromophenol	16.050	330	10667	6.940	ng	-0.03
45) 2-Fluorobiphenyl	13.177	172	29036	5.584	ng	-0.03
79) Terphenyl-d14	19.922	244	51112	5.035	ng	-0.03
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.557	165	10041	7.904	ng	# 15
56) 4-Nitrophenol	14.951	139	2138	2.276	ng	# 1
57) 2,4-Dinitrotoluene	14.557	165	10041	5.342	ng	# 17
71) Phenanthrene	17.348	178	146901	19.081	ng	98
72) Anthracene	17.442	178	28516	3.712	ng	97
75) Fluoranthene	19.363	202	229390	21.749	ng	99
77) Benzidine	19.546	184	213	2.858	ng	# 1
78) Pyrene	19.722	202	195297	18.195	ng	98
81) Benzo(a)anthracene	21.549	228	102692	9.295	ng	93
83) Chrysene	21.549	228	102692	9.921	ng	97
88) Benzo(b)fluoranthene	23.700	252	110836	9.789	ng	100
89) Benzo(k)fluoranthene	23.700	252	110836	10.175	ng	98
90) Benzo(a)pyrene	24.540	252	78808	7.989	ng	# 96
92) Benzo(g,h,i)perylene	29.328	276	38582	3.491	ng	# 93

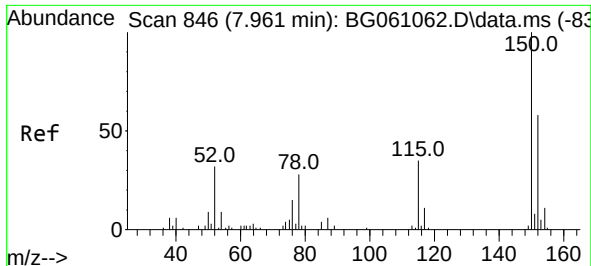
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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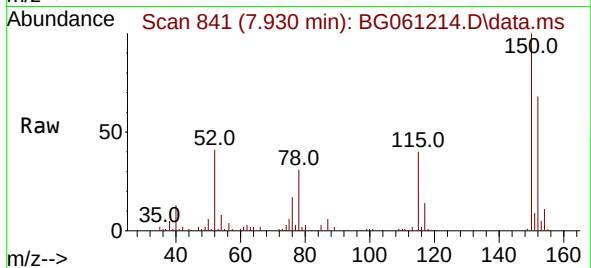
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



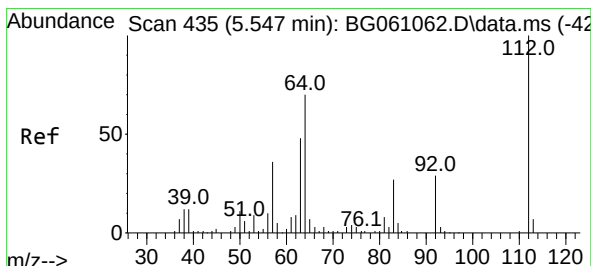
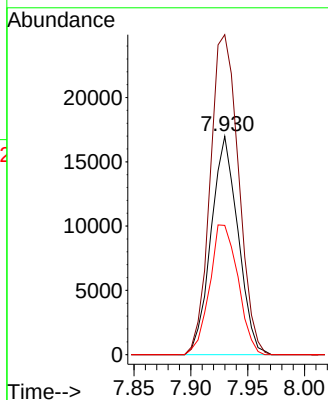
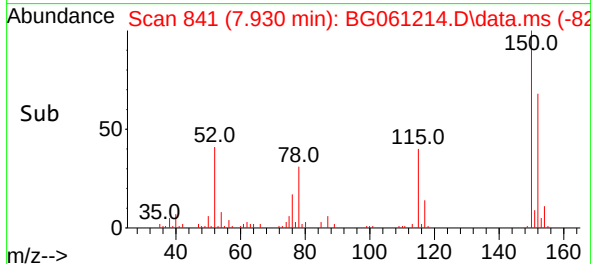


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 84
Delta R.T. -0.031 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

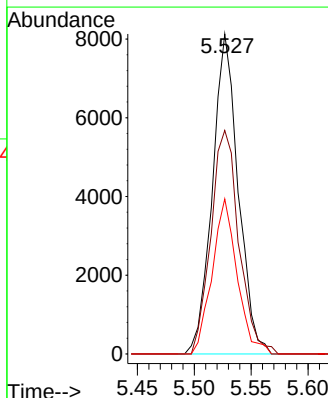
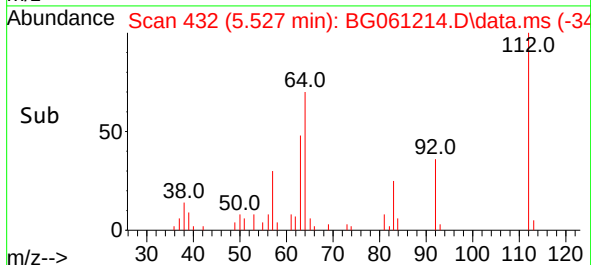
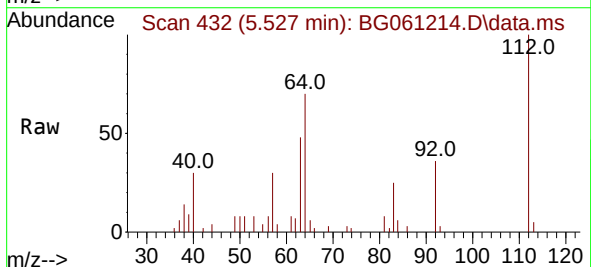


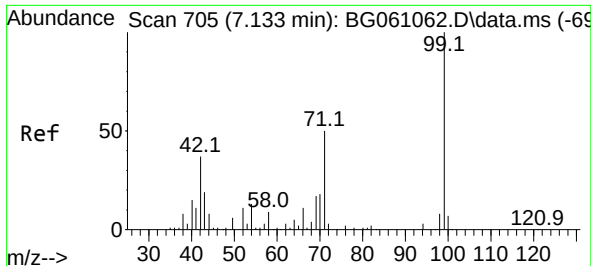
Tgt Ion:152 Resp: 27993
Ion Ratio Lower Upper
152 100
150 146.5 138.3 207.5
115 59.2 48.0 72.0



#5
2-Fluorophenol
Concen: 9.339 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:112 Resp: 12854
Ion Ratio Lower Upper
112 100
64 69.8 55.7 83.5
63 48.4 38.1 57.1

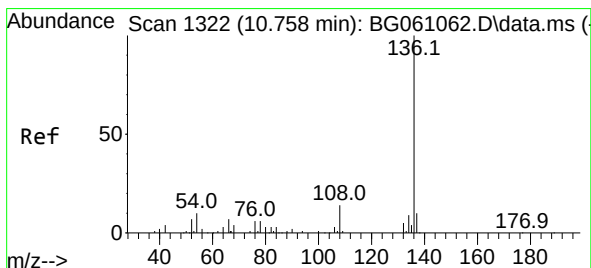
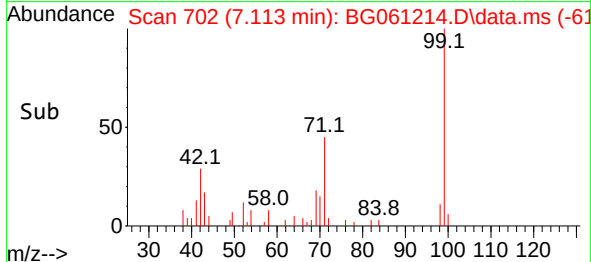
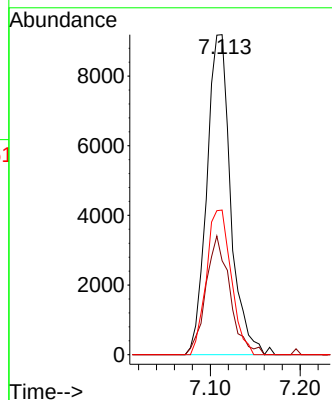
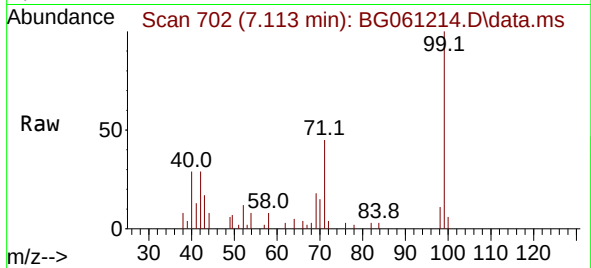




#7
Phenol-d6
Concen: 8.328 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

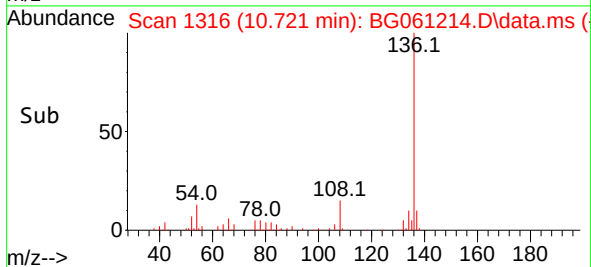
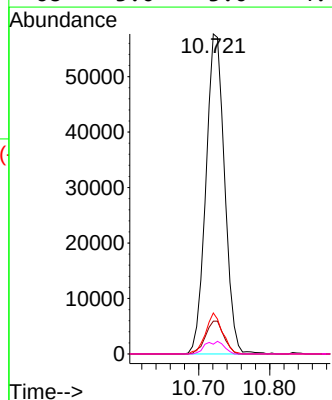
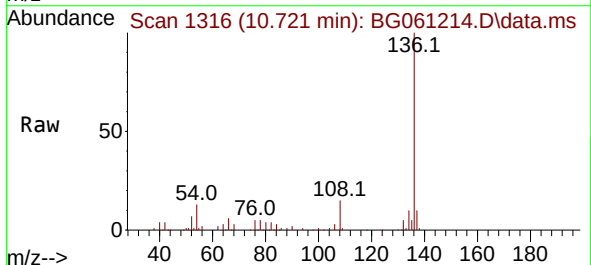
Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

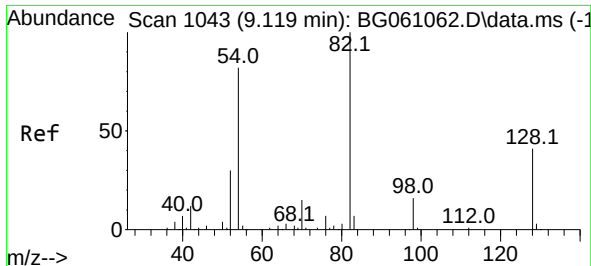
Tgt Ion: 99 Resp: 16958
Ion Ratio Lower Upper
99 100
42 29.4 29.2 43.8
71 45.2 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion: 136 Resp: 105462
Ion Ratio Lower Upper
136 100
137 10.2 7.8 11.6
54 12.8 8.1 12.1#
68 3.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 6.316 ng

RT: 9.081 min Scan# 1043

Delta R.T. -0.037 min

Lab File: BG061214.D

Acq: 15 May 2024 20:27

Instrument :

BNA_G

ClientSampleId :

OR-03-051324DL

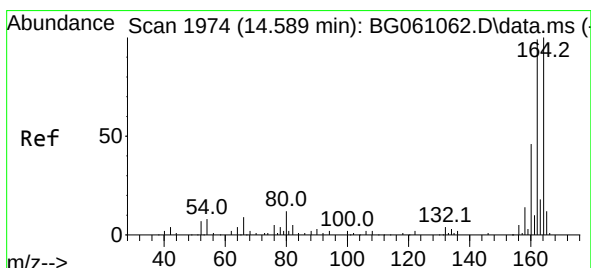
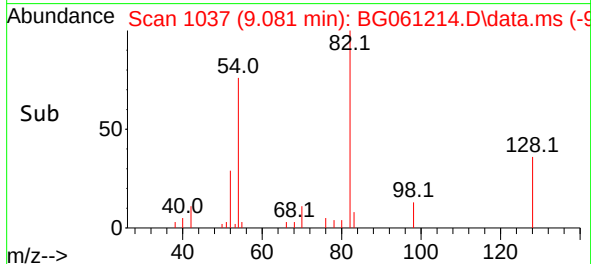
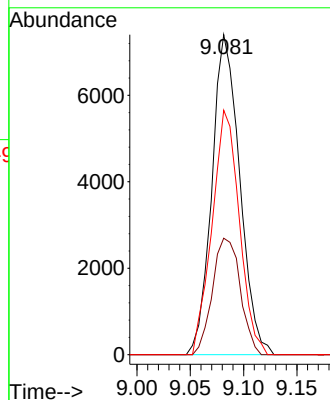
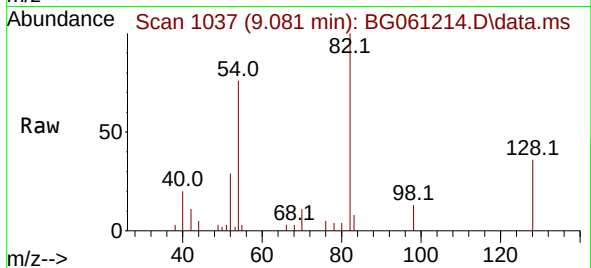
Tgt Ion: 82 Resp: 13437

Ion Ratio Lower Upper

82 100

128 36.4 32.7 49.1

54 76.4 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061214.D

Acq: 15 May 2024 20:27

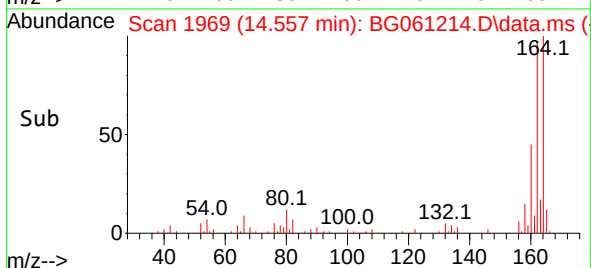
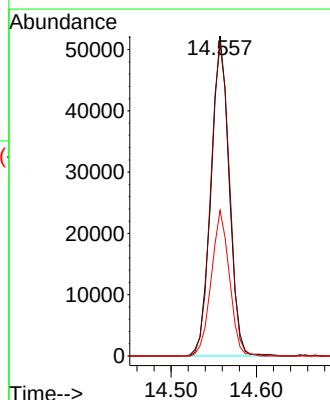
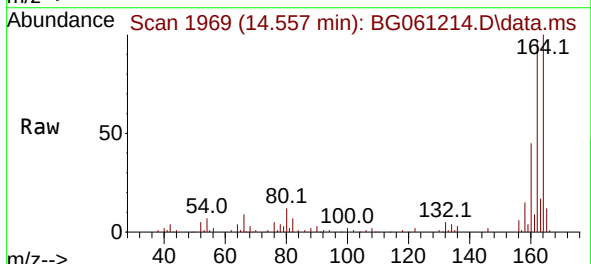
Tgt Ion:164 Resp: 76894

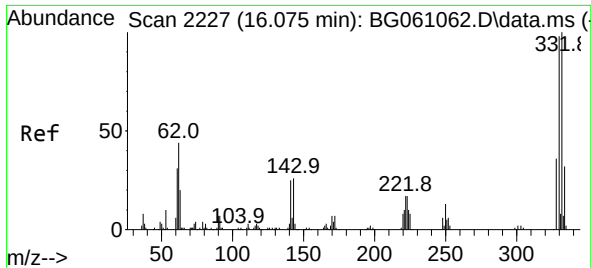
Ion Ratio Lower Upper

164 100

162 97.4 79.4 119.2

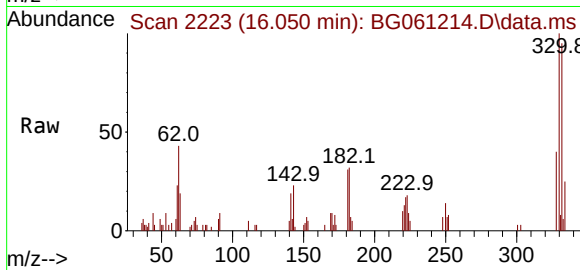
160 45.5 37.0 55.6



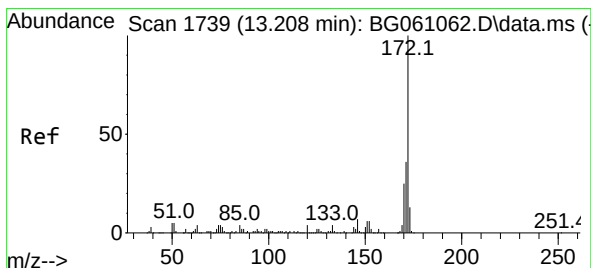
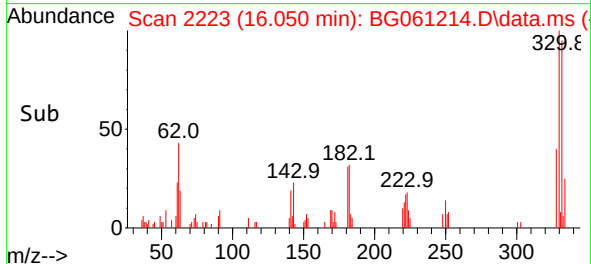
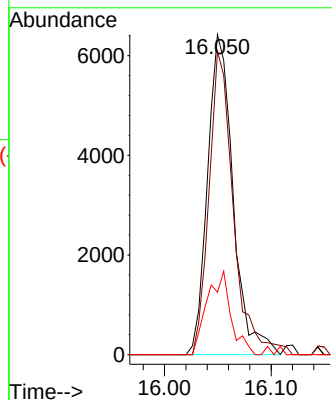


#42
2,4,6-Tribromophenol
Concen: 6.940 ng
RT: 16.050 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

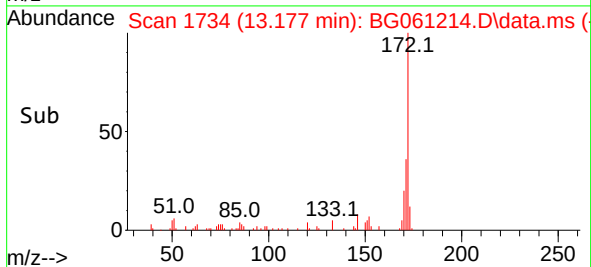
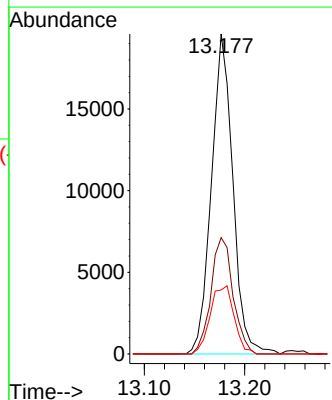
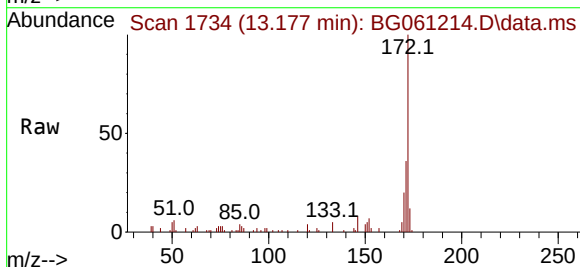


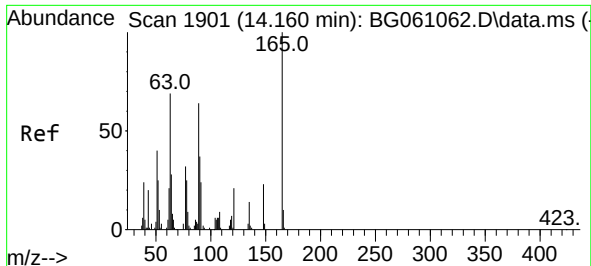
Tgt Ion:330 Resp: 10667
Ion Ratio Lower Upper
330 100
332 90.4 78.6 117.8
141 24.4 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 5.584 ng
RT: 13.177 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:172 Resp: 29036
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 20.0 20.2 30.4#

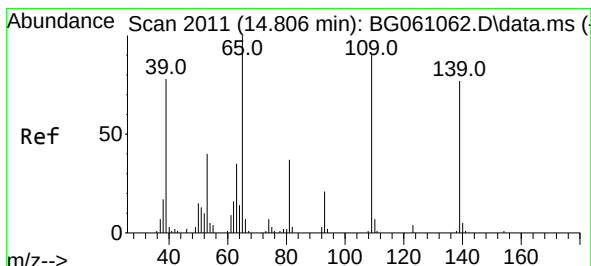
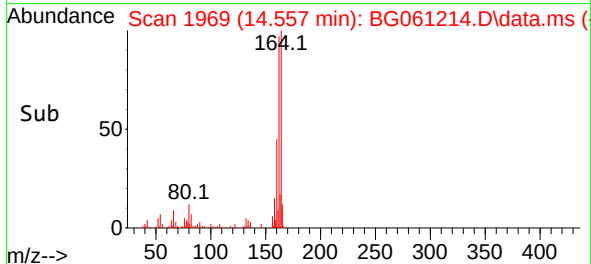
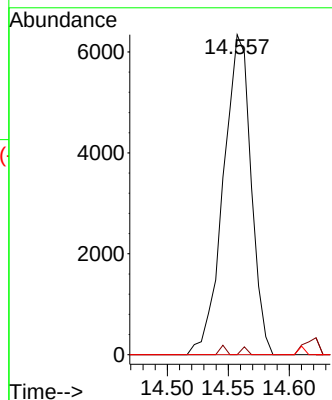
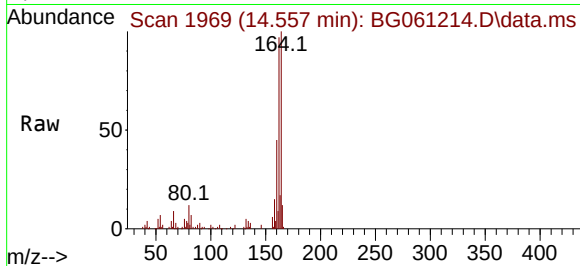




#51
2,6-Dinitrotoluene
Concen: 7.904 ng
RT: 14.557 min Scan# 1901
Delta R.T. 0.397 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

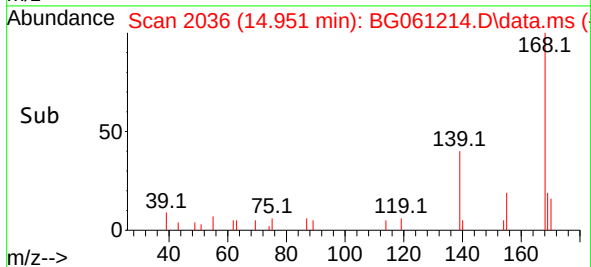
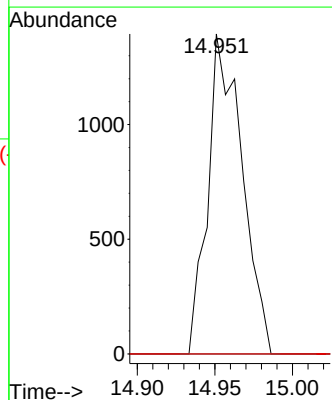
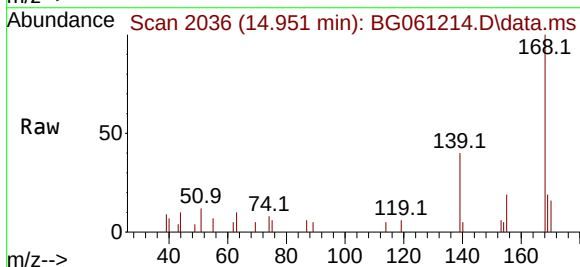
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ClientSampleId :
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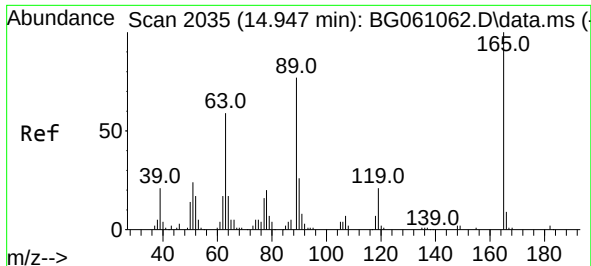
Tgt Ion:165 Resp: 10041
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#56
4-Nitrophenol
Concen: 2.276 ng
RT: 14.951 min Scan# 2036
Delta R.T. 0.145 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:139 Resp: 2138
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 0.0 110.7 150.7#

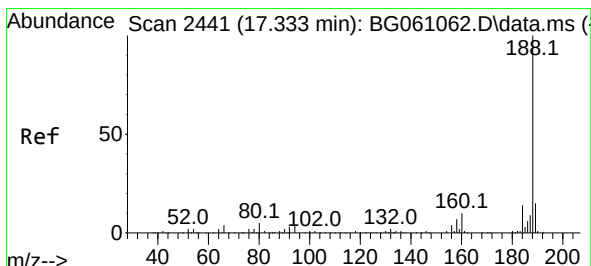
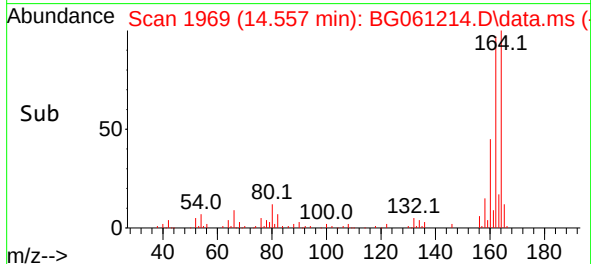
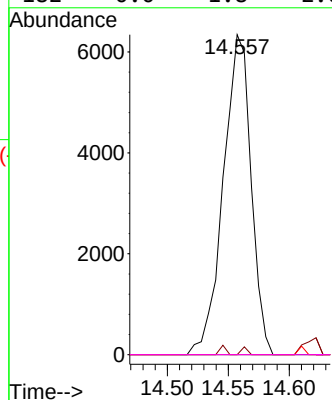
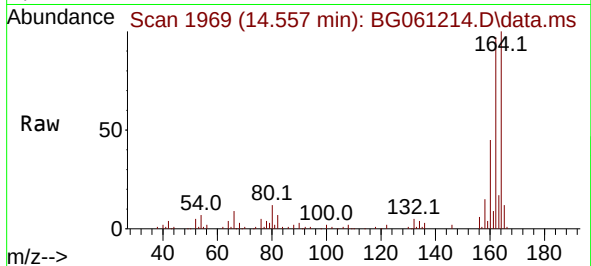




#57
2,4-Dinitrotoluene
Concen: 5.342 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.390 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

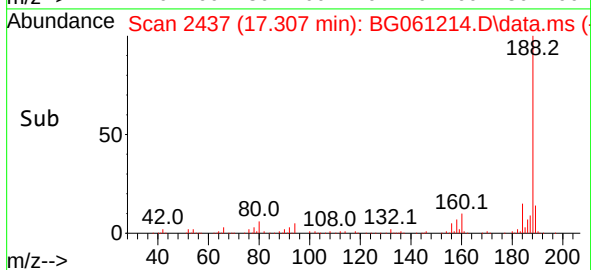
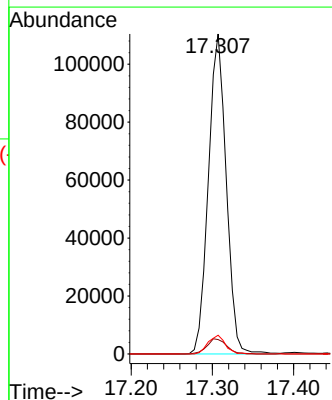
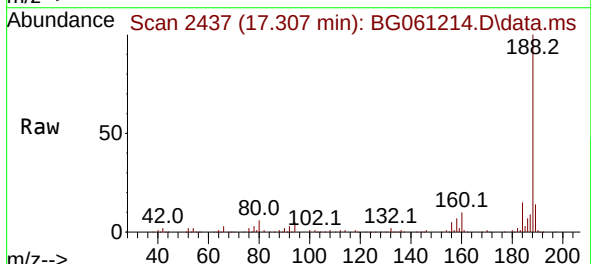
Instrument :
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OR-03-051324DL

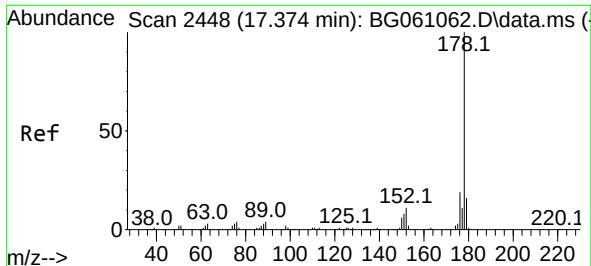
Tgt Ion:165 Resp: 10041
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2437
Delta R.T. -0.026 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:188 Resp: 168377
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 5.8 4.2 6.2

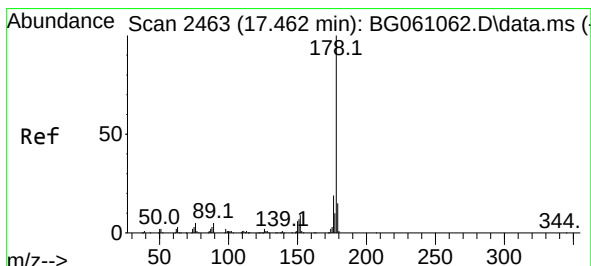
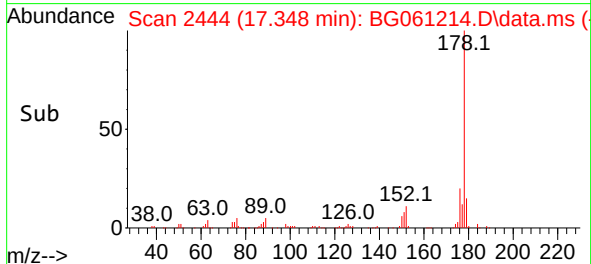
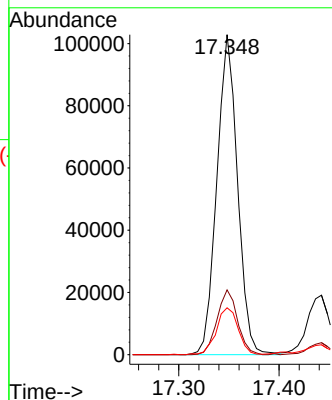
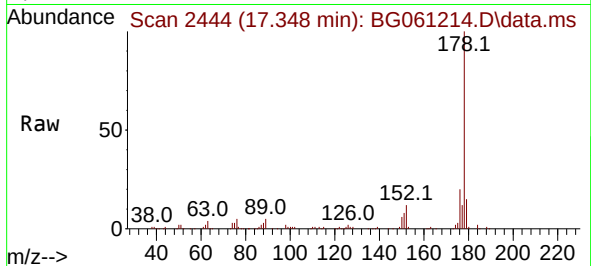




#71
Phenanthrene
Concen: 19.081 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

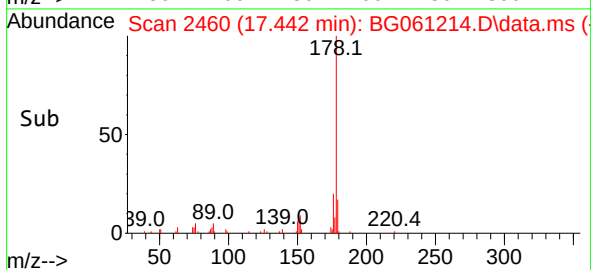
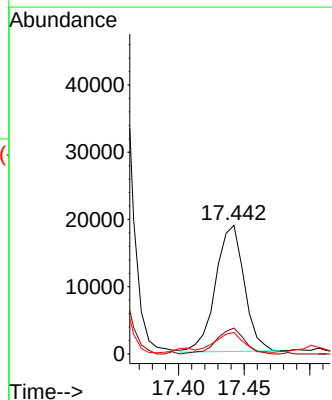
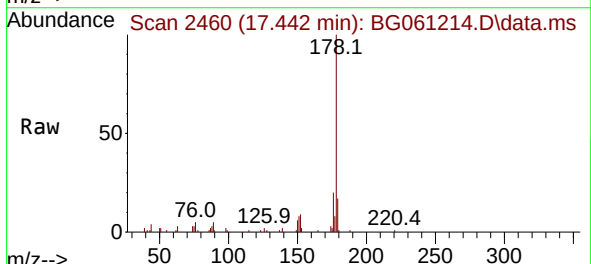
Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

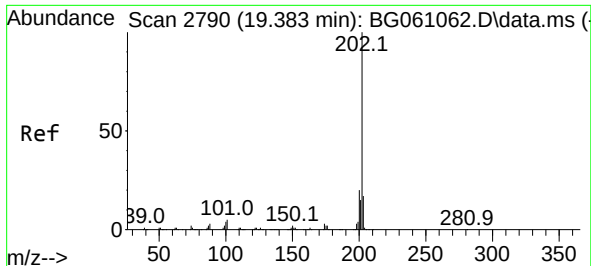
Tgt Ion:178 Resp: 146901
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 14.7 12.6 19.0



#72
Anthracene
Concen: 3.712 ng
RT: 17.442 min Scan# 2460
Delta R.T. -0.020 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:178 Resp: 28516
Ion Ratio Lower Upper
178 100
176 20.1 15.0 22.6
179 16.6 12.0 18.0

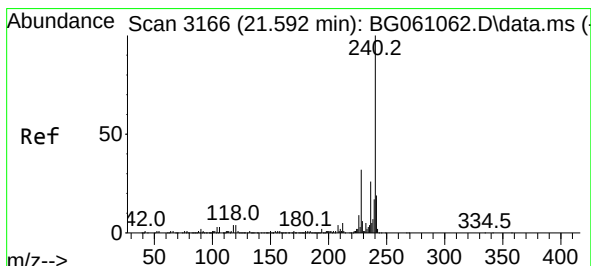
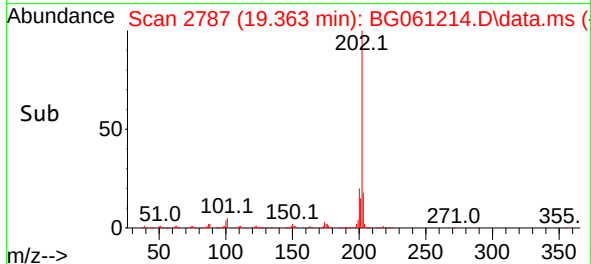
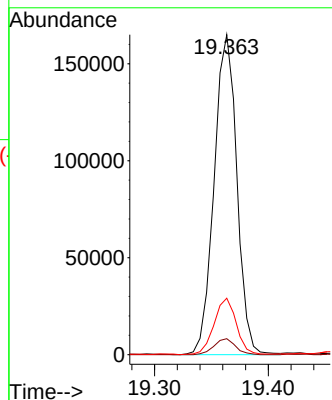
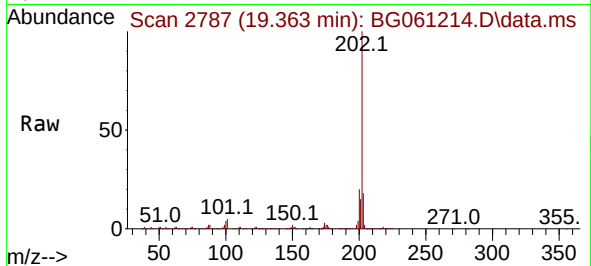




#75
 Fluoranthene
 Concen: 21.749 ng
 RT: 19.363 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BG061214.D
 Acq: 15 May 2024 20:27

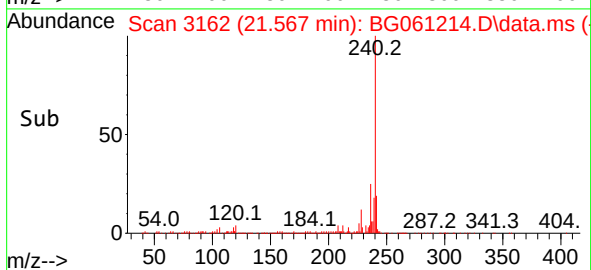
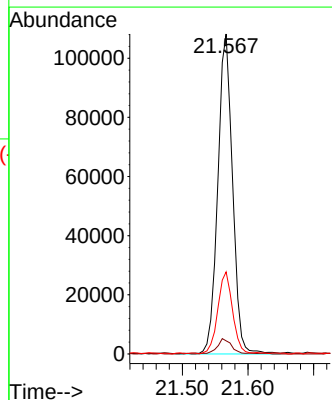
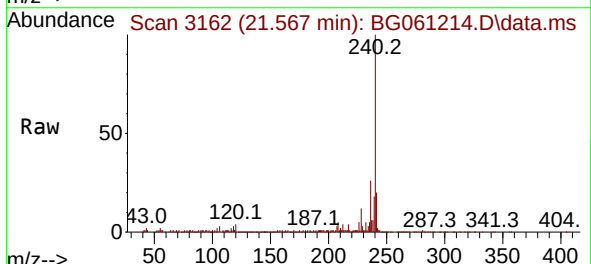
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-051324DL

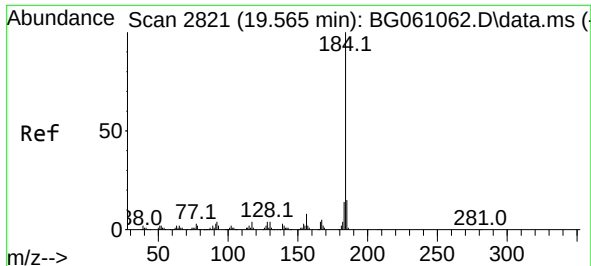
Tgt Ion:202 Resp: 229390
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 24.7
 203 17.7 0.0 37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.567 min Scan# 3162
 Delta R.T. -0.026 min
 Lab File: BG061214.D
 Acq: 15 May 2024 20:27

Tgt Ion:240 Resp: 168830
 Ion Ratio Lower Upper
 240 100
 120 4.1 3.2 4.8
 236 25.7 21.0 31.6

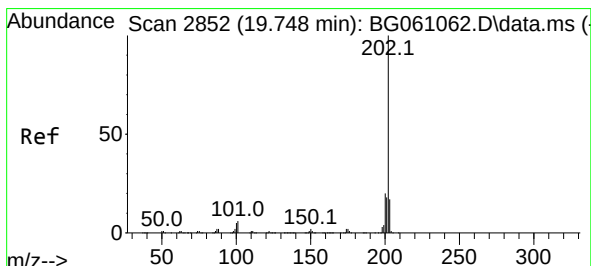
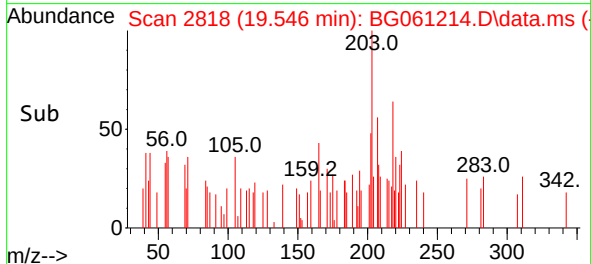
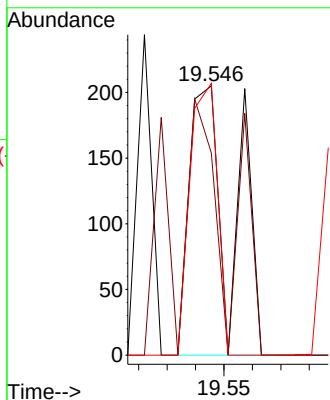
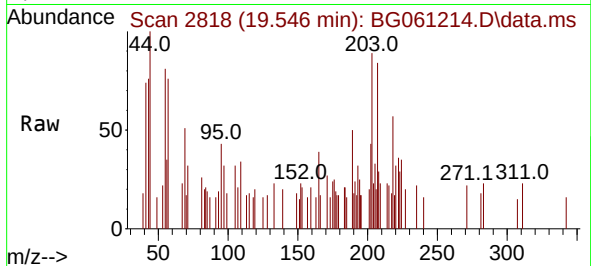




#77
Benzidine
Concen: 2.858 ng
RT: 19.546 min Scan# 213
Delta R.T. -0.019 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

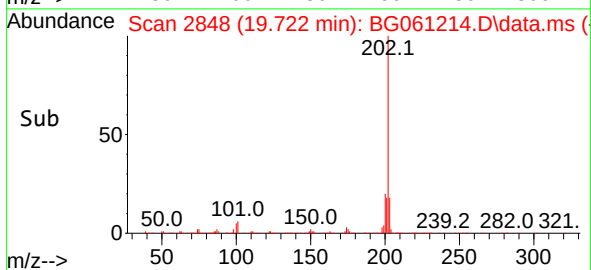
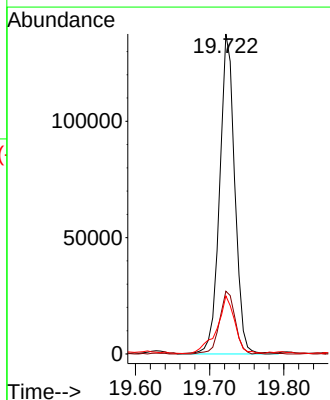
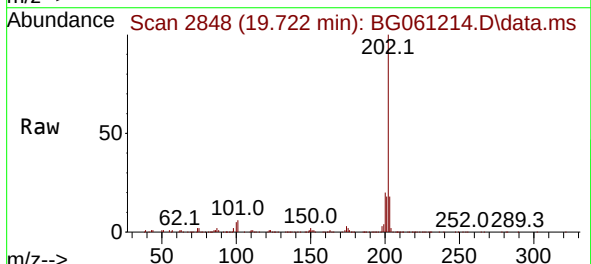
Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

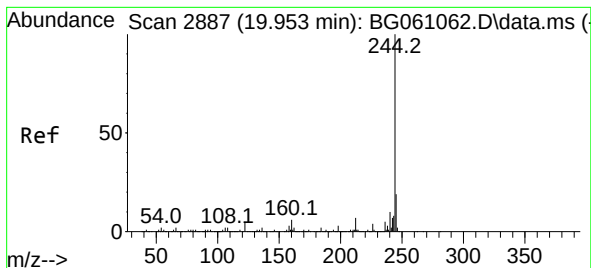
Tgt Ion:184 Resp: 213
Ion Ratio Lower Upper
184 100
185 75.1 12.0 18.0#
183 101.0 10.9 16.3#



#78
Pyrene
Concen: 18.195 ng
RT: 19.722 min Scan# 2848
Delta R.T. -0.026 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:202 Resp: 195297
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 18.1 13.3 19.9





#79

Terphenyl-d14

Concen: 5.035 ng

RT: 19.922 min Scan# 21

Delta R.T. -0.032 min

Lab File: BG061214.D

Acq: 15 May 2024 20:27

Instrument :

BNA_G

ClientSampleId :

OR-03-051324DL

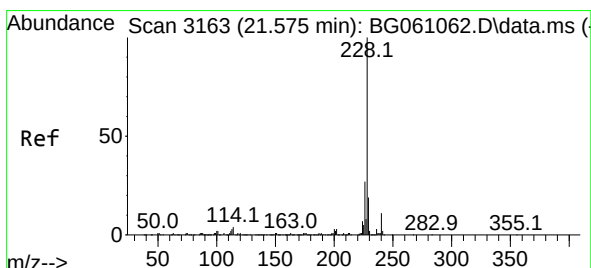
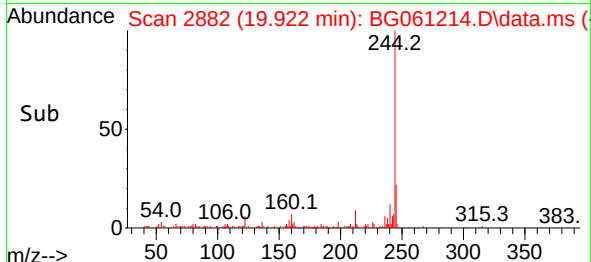
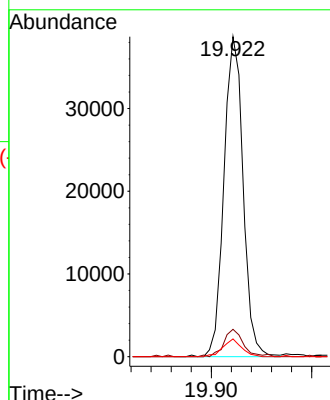
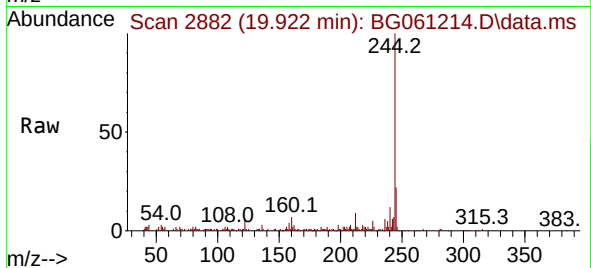
Tgt Ion:244 Resp: 51112

Ion Ratio Lower Upper

244 100

212 8.6 5.7 8.5#

122 5.5 4.2 6.2



#81

Benzo(a)anthracene

Concen: 9.295 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.026 min

Lab File: BG061214.D

Acq: 15 May 2024 20:27

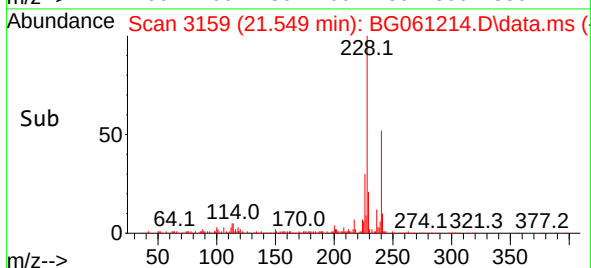
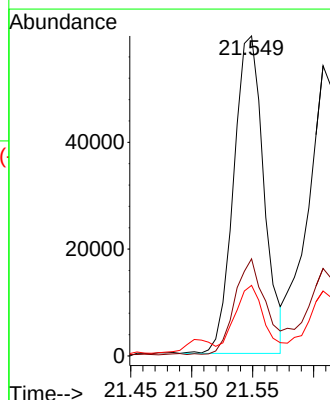
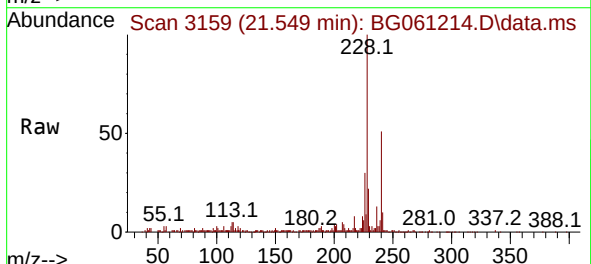
Tgt Ion:228 Resp: 102692

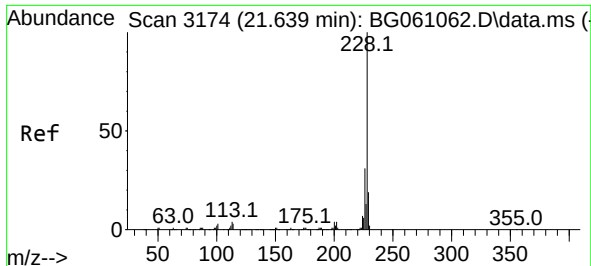
Ion Ratio Lower Upper

228 100

226 30.4 21.6 32.4

229 22.1 15.0 22.4

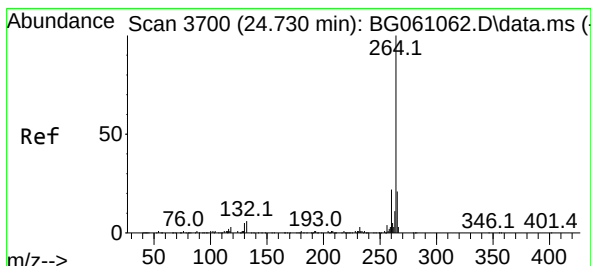
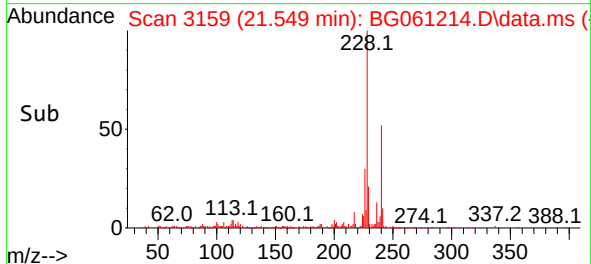
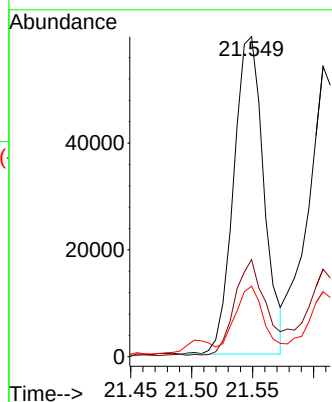
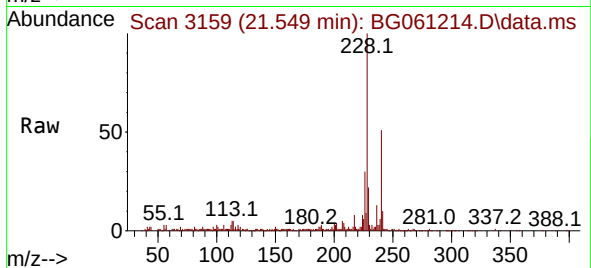




#83
Chrysene
Concen: 9.921 ng
RT: 21.549 min Scan# 3174
Delta R.T. -0.090 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

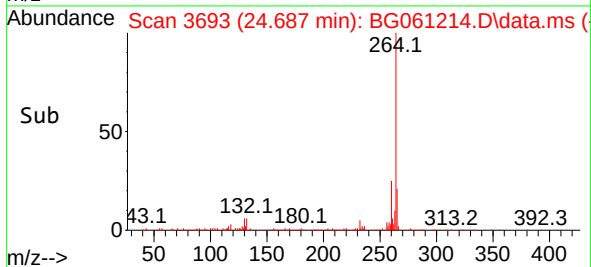
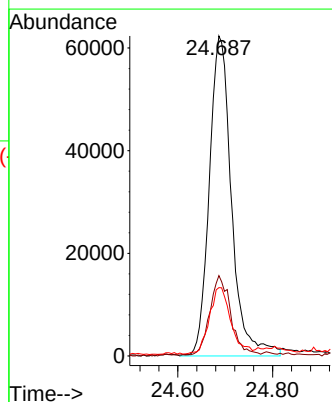
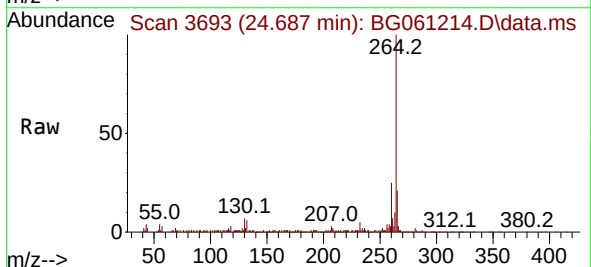
Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

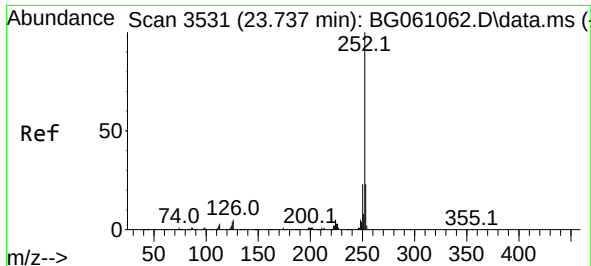
Tgt Ion:228 Resp: 102692
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.1 14.8 22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.687 min Scan# 3693
Delta R.T. -0.043 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:264 Resp: 202625
Ion Ratio Lower Upper
264 100
260 25.1 17.7 26.5
265 21.4 16.4 24.6

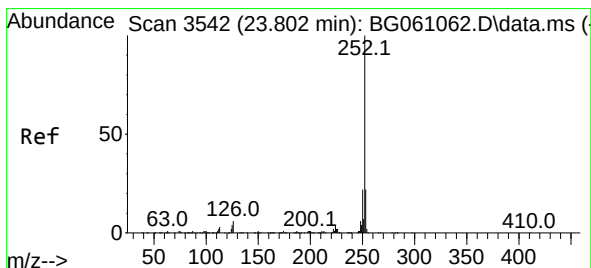
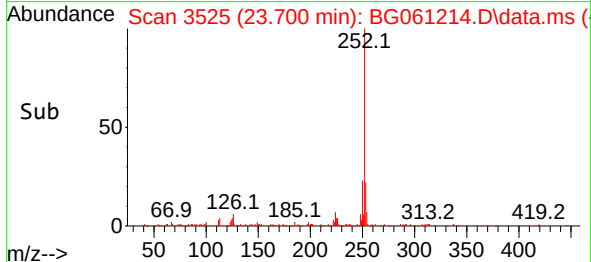
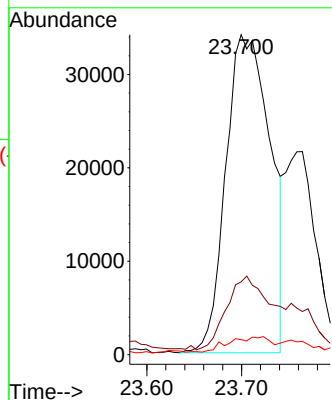
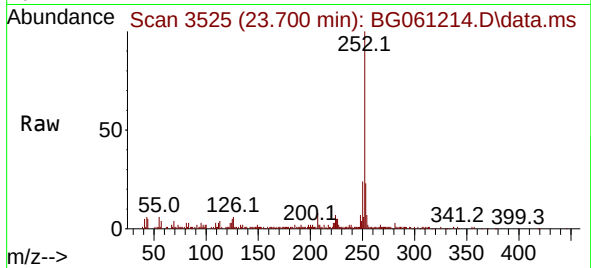




#88
Benzo(b)fluoranthene
Concen: 9.789 ng
RT: 23.700 min Scan# 31
Delta R.T. -0.037 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

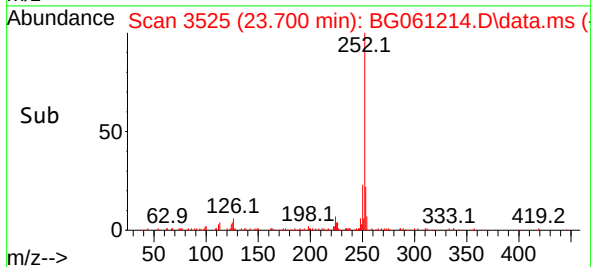
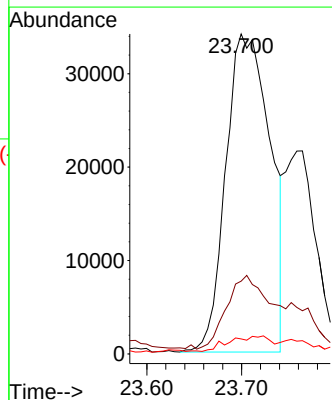
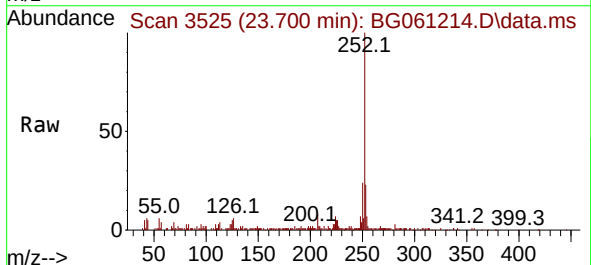
Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

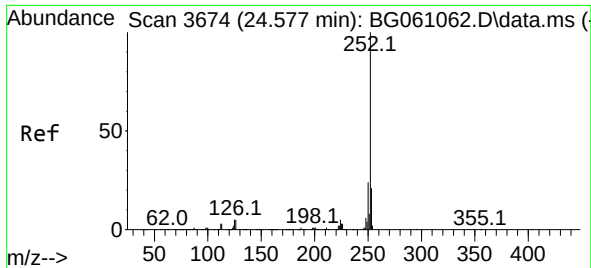
Tgt Ion:252 Resp: 110836
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 4.7 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 10.175 ng
RT: 23.700 min Scan# 3525
Delta R.T. -0.102 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:252 Resp: 110836
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 4.7 3.2 4.8

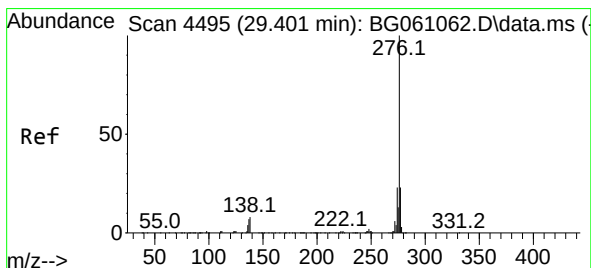
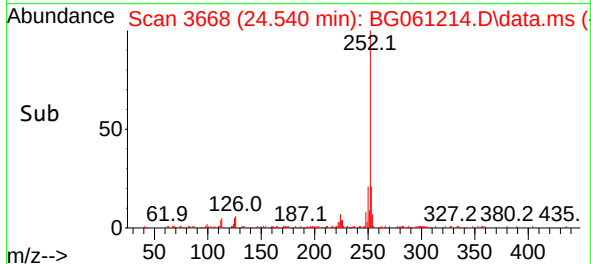
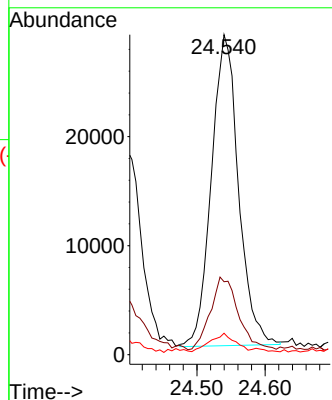
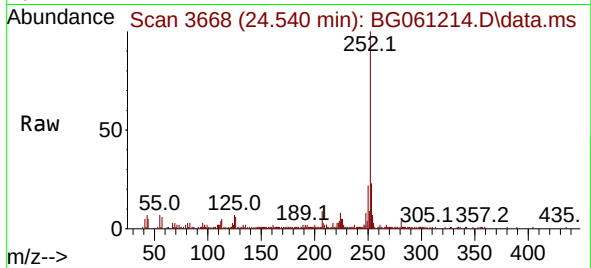




#90
Benzo(a)pyrene
Concen: 7.989 ng
RT: 24.540 min Scan# 30
Delta R.T. -0.037 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Instrument :
BNA_G
ClientSampleId :
OR-03-051324DL

Tgt Ion:252 Resp: 78808
Ion Ratio Lower Upper
252 100
253 22.8 16.9 25.3
125 6.7 3.8 5.8#



#92
Benzo(g,h,i)perylene
Concen: 3.491 ng
RT: 29.328 min Scan# 4483
Delta R.T. -0.073 min
Lab File: BG061214.D
Acq: 15 May 2024 20:27

Tgt Ion:276 Resp: 38582
Ion Ratio Lower Upper
276 100
277 26.4 18.2 27.4
138 9.8 6.2 9.2#

