

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124211.D
 Acq On : 9 Jun 2021 16:23
 Operator : JU/CG
 Sample : M2624-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-1

Quant Time: Jun 09 16:45:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 09 14:34:04 2021
 Response via : Initial Calibration

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

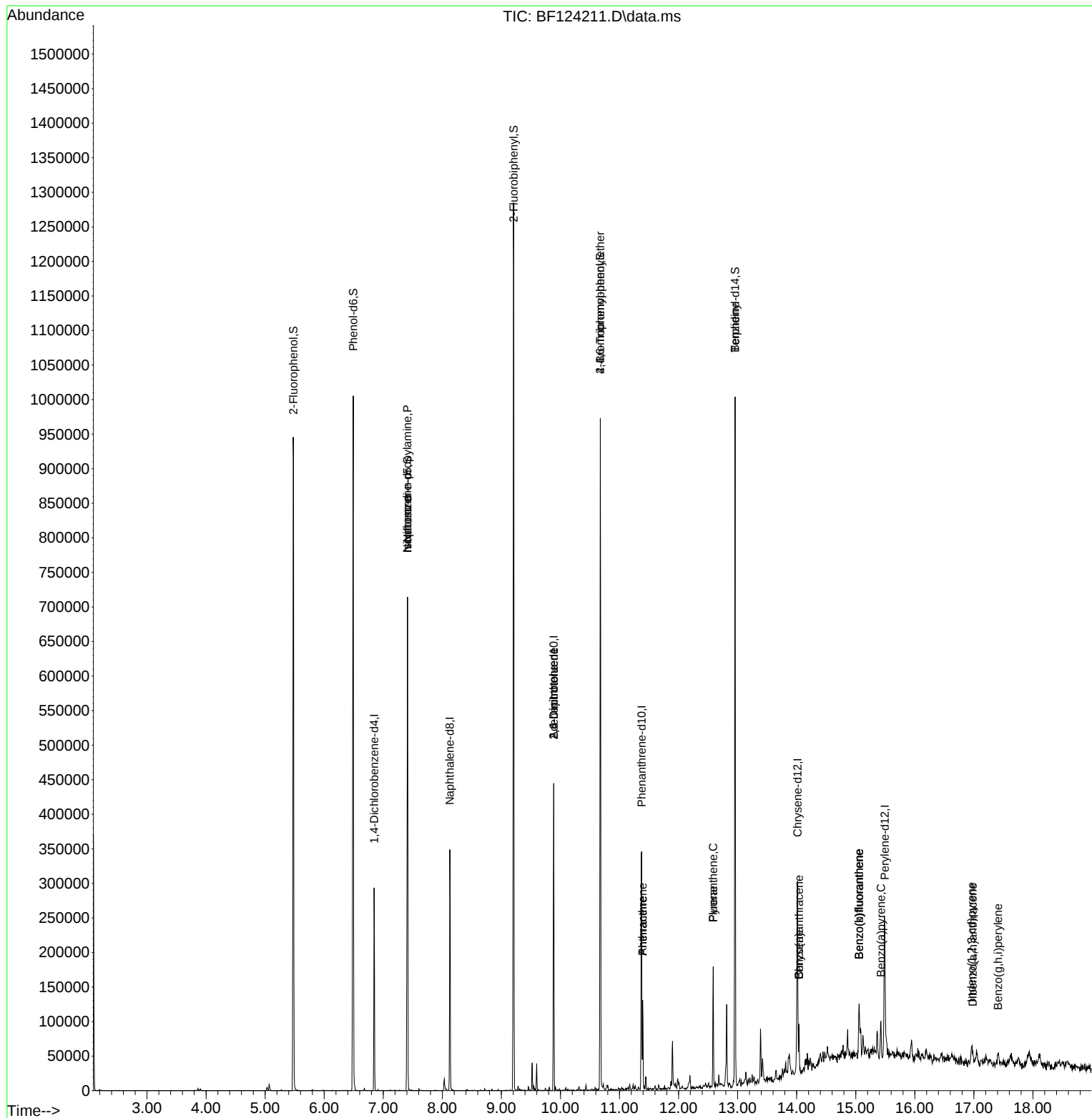
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	33370	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	124710	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	72791	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	125653	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	82330	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	81322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	213117	96.138	ng	0.00
7) Phenol-d6	6.492	99	268308	90.046	ng	0.00
23) Nitrobenzene-d5	7.410	82	208913	66.440	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	96366	93.444	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	352318	60.907	ng	0.00
79) Terphenyl-d14	12.957	244	261827	43.663	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	30245	14.379	ng	# 65
25) Isophorone	7.410	82	208906	36.869	ng	# 69
51) 2,6-Dinitrotoluene	9.886	165	10232	7.410	ng	# 10
57) 2,4-Dinitrotoluene	9.886	165	10232	5.619	ng	# 15
67) 4-Bromophenyl-phenylether	10.674	248	6811	3.949	ng	# 1
71) Phenanthrene	11.392	178	40835	5.202	ng	97
72) Anthracene	11.392	178	40835	5.166	ng	98
75) Fluoranthene	12.586	202	58227	7.067	ng	94
77) Benzidine	12.957	184	4588	6.249	ng	# 88
78) Pyrene	12.586	202	58227	7.365	ng	96
81) Benzo(a)anthracene	14.039	228	24718	4.121	ng	97
83) Chrysene	14.039	228	24718	4.272	ng	95
87) Indeno(1,2,3-cd)pyrene	16.962	276	11171	5.837	ng	# 86
88) Benzo(b)fluoranthene	15.056	252	45022	7.127	ng	# 97
89) Benzo(k)fluoranthene	15.056	252	45022	7.528	ng	# 97
90) Benzo(a)pyrene	15.427	252	21381	3.897	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	3249	4.688	ng	# 63
92) Benzo(g,h,i)perylene	17.409	276	9441	5.332	ng	# 87

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

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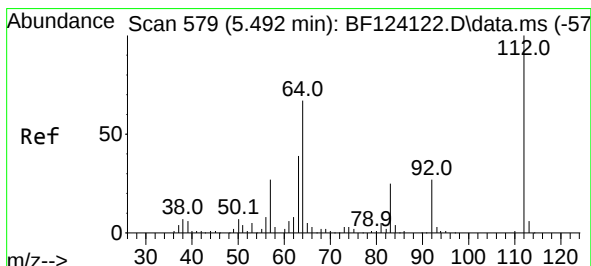
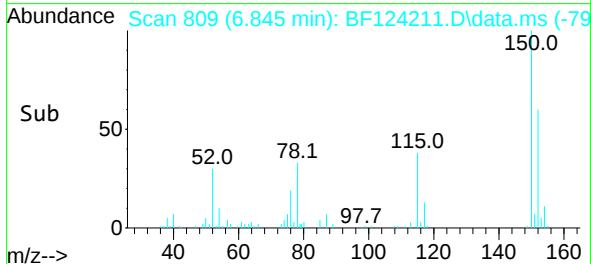
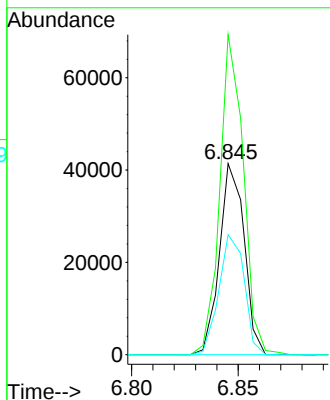
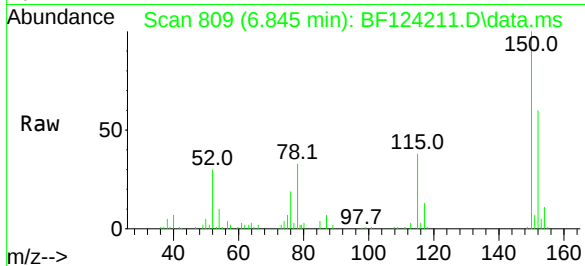




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

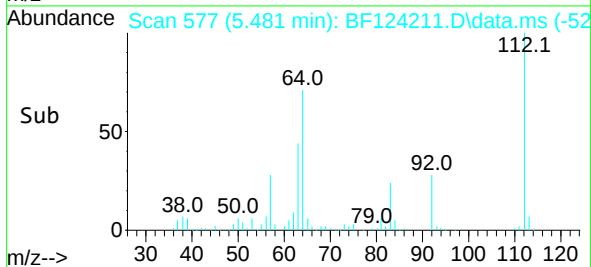
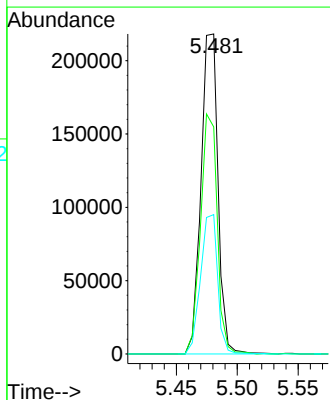
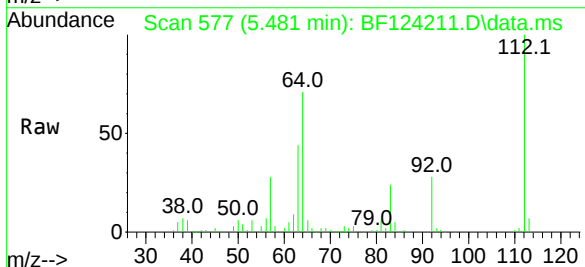
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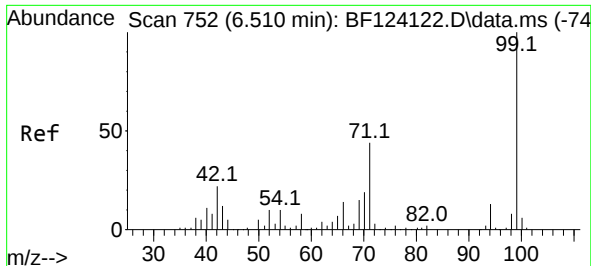
Tgt Ion:152 Resp: 33370
Ion Ratio Lower Upper
152 100
150 167.5 127.0 190.6
115 62.8 54.3 81.5



#5
2-Fluorophenol
Concen: 96.138 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:112 Resp: 213117
Ion Ratio Lower Upper
112 100
64 70.9 61.4 92.0
63 43.5 33.0 49.4

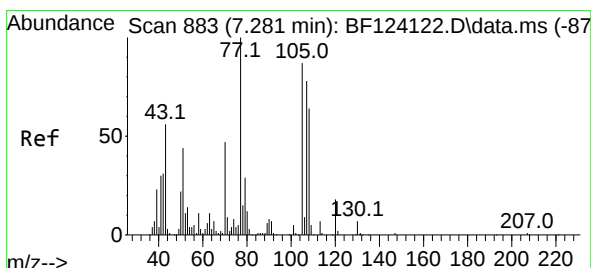
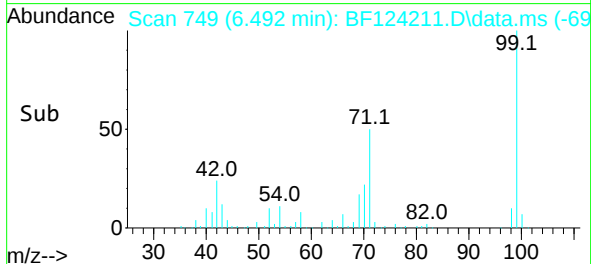
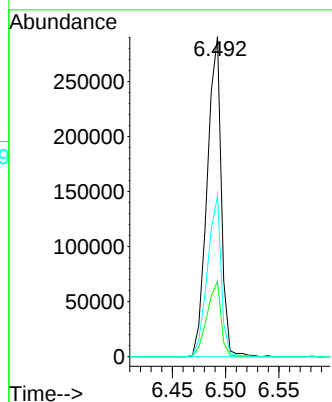
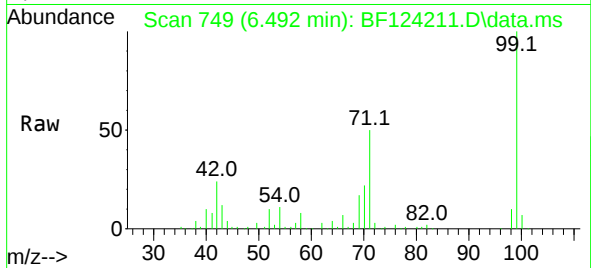




#7
Phenol-d6
Concen: 90.046 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

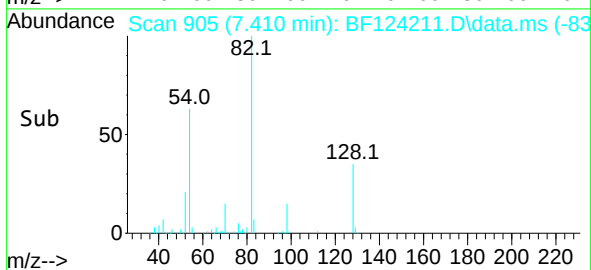
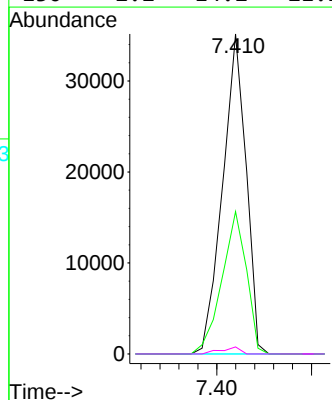
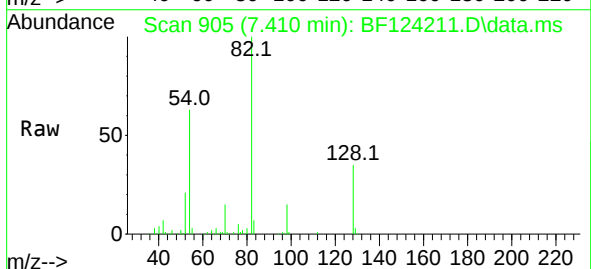
Instrument :
BNA_F
ClientSampleId :
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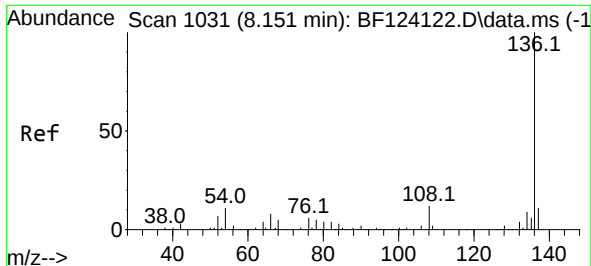
Tgt Ion: 99 Resp: 268308
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.8
71 50.2 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 14.379 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

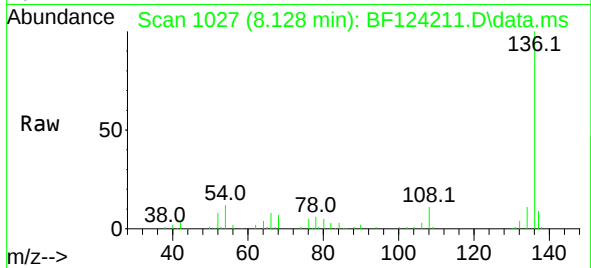
Tgt Ion: 70 Resp: 30245
Ion Ratio Lower Upper
70 100
42 44.5 60.1 90.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.2#



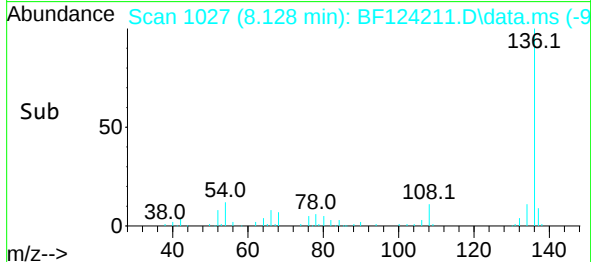
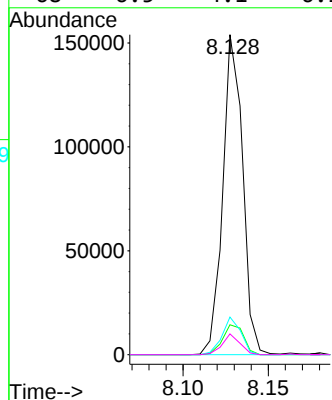


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Instrument :
BNA_F
ClientSampled :
G-1

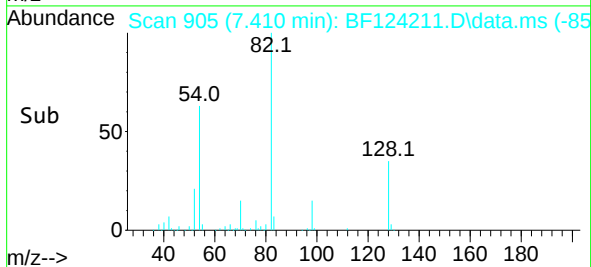
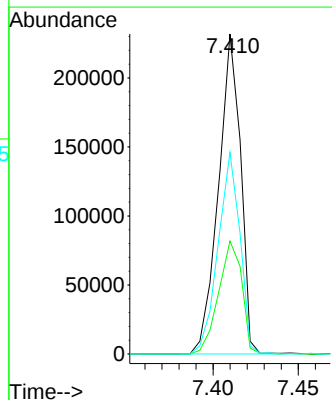
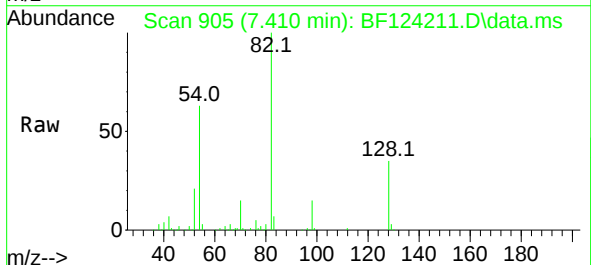


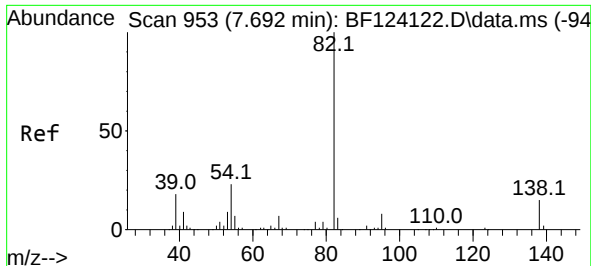
Tgt Ion:136 Resp: 124710
Ion Ratio Lower Upper
136 100
137 9.4 8.7 13.1
54 11.7 9.8 14.6
68 6.5 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 66.440 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion: 82 Resp: 208913
Ion Ratio Lower Upper
82 100
128 35.3 29.4 44.2
54 63.0 54.1 81.1

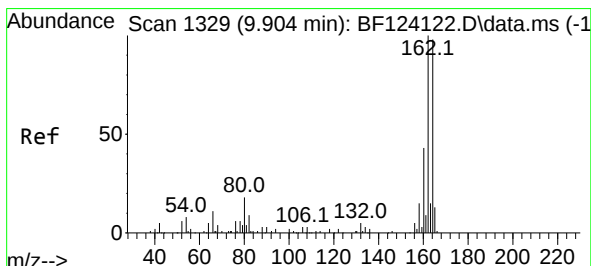
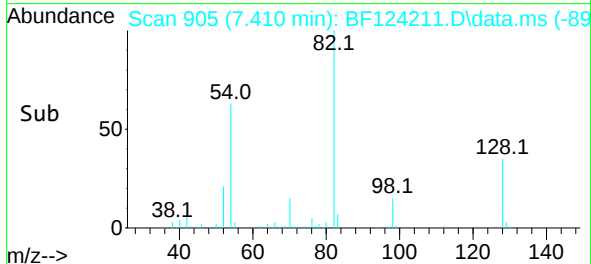
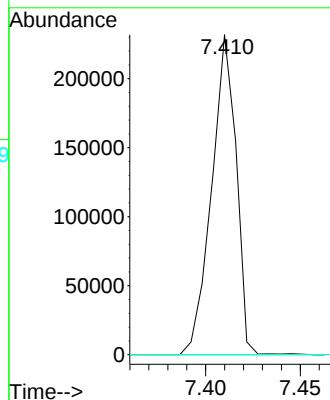
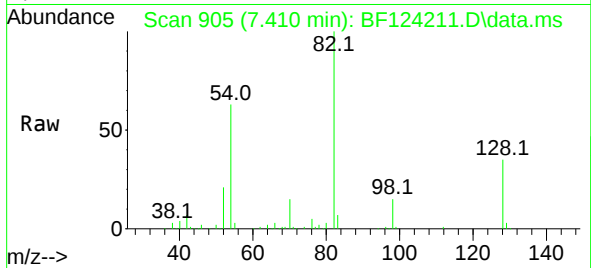




#25
Isophorone
Concen: 36.869 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

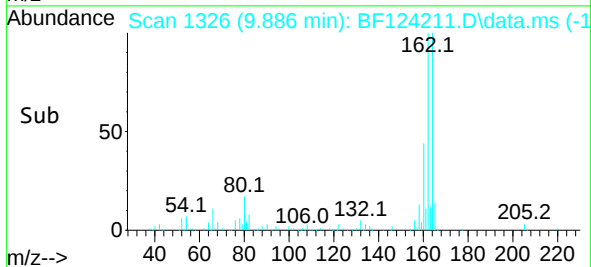
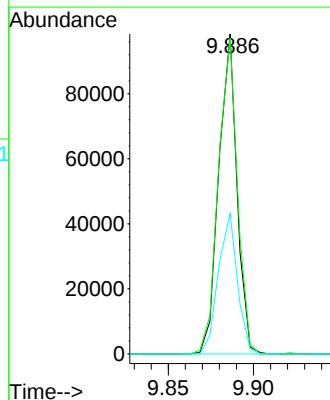
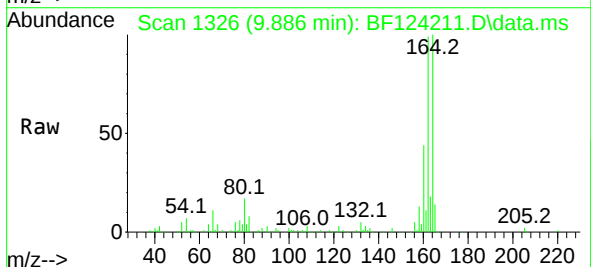
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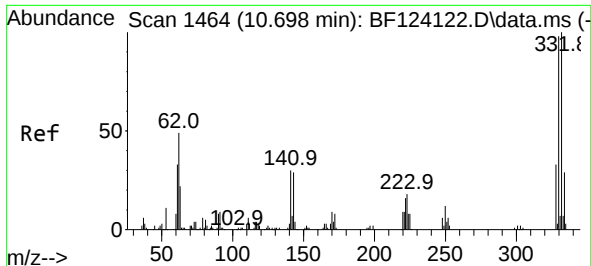
Tgt Ion: 82 Resp: 208906
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion: 164 Resp: 72791
Ion Ratio Lower Upper
164 100
162 98.7 80.7 121.1
160 43.9 37.3 55.9

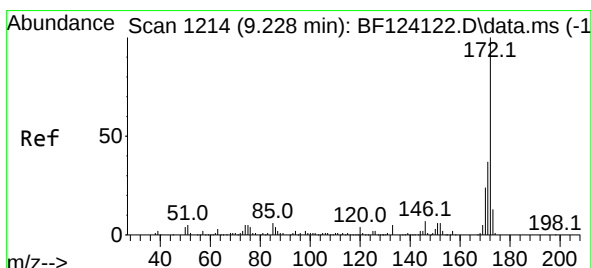
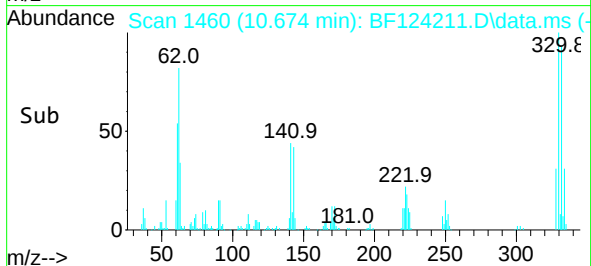
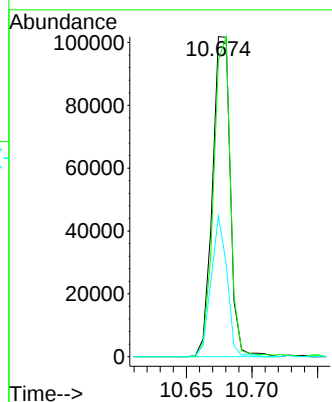
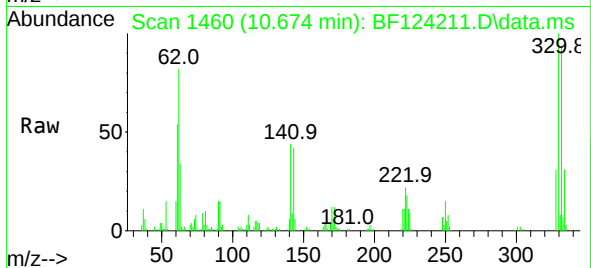




#42
2,4,6-Tribromophenol
Concen: 93.444 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

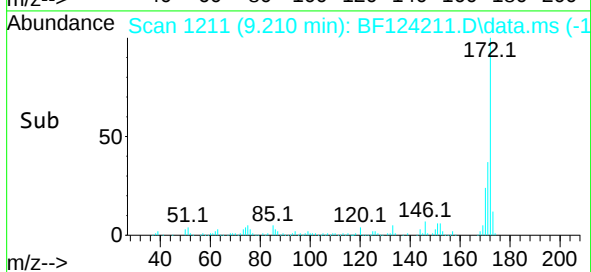
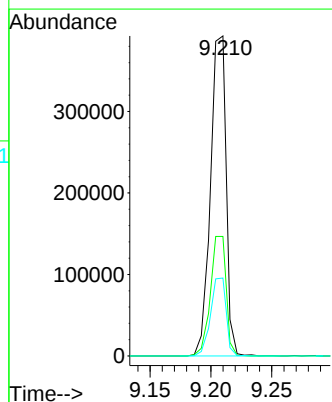
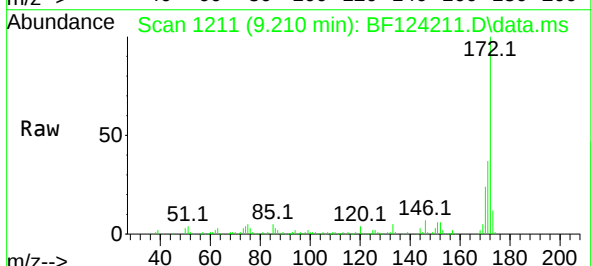
Instrument :
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ClientSampleId :
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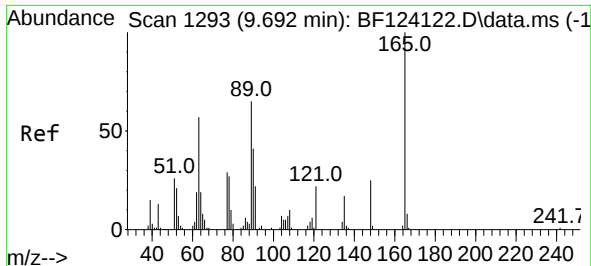
Tgt Ion: 330 Resp: 96366
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 39.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 60.907 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion: 172 Resp: 352318
Ion Ratio Lower Upper
172 100
171 37.3 28.1 42.1
170 24.4 19.2 28.8

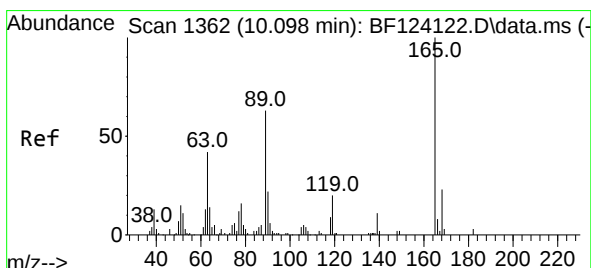
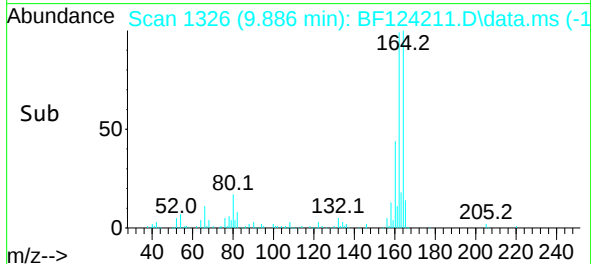
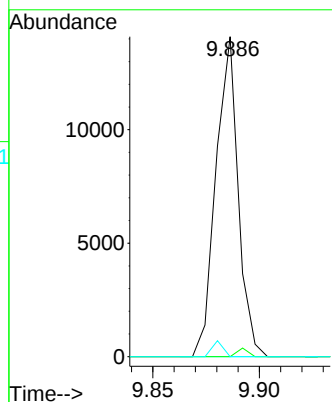
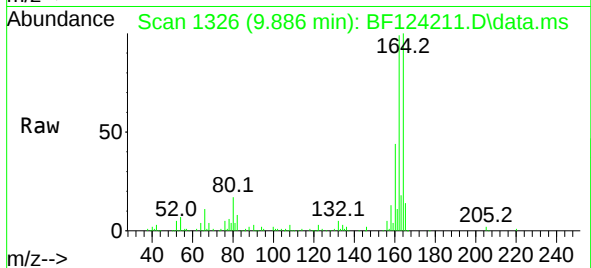




#51
2,6-Dinitrotoluene
Concen: 7.410 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

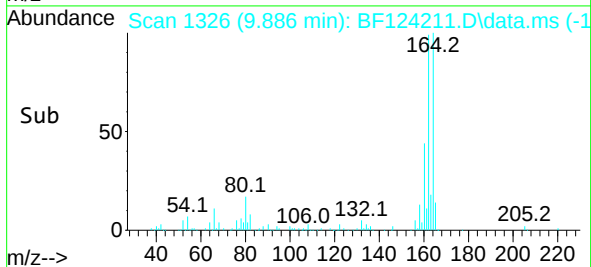
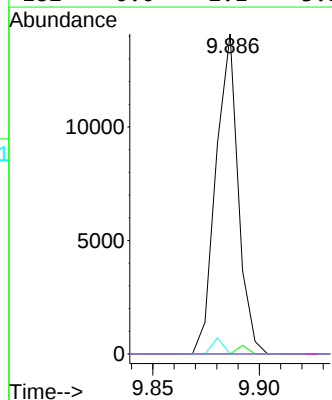
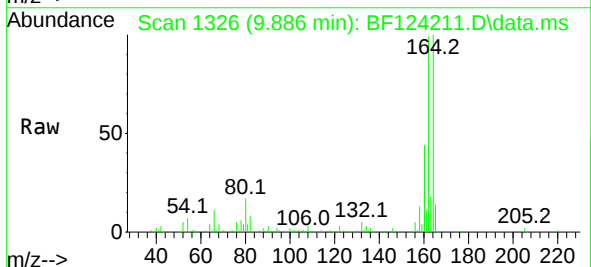
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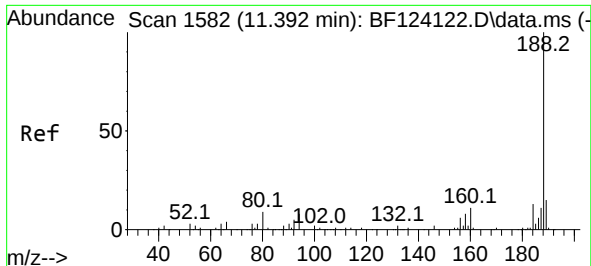
Tgt Ion:165 Resp: 10232
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.619 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:165 Resp: 10232
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

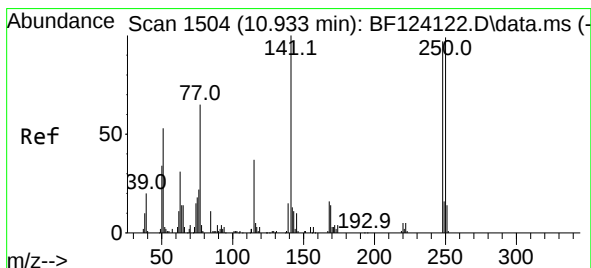
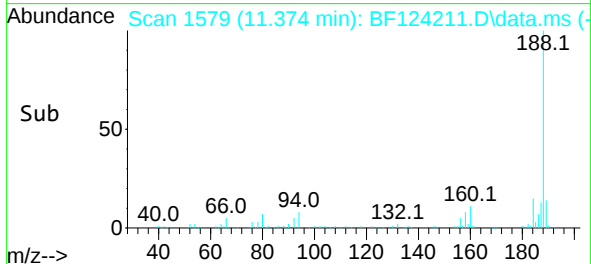
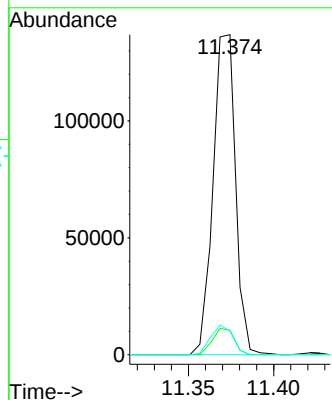
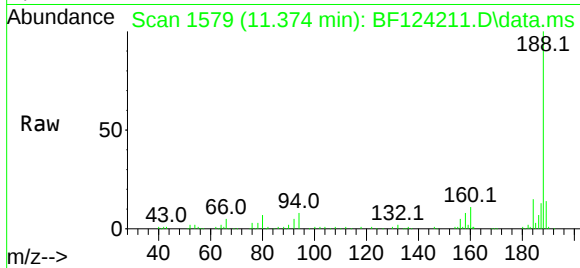




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

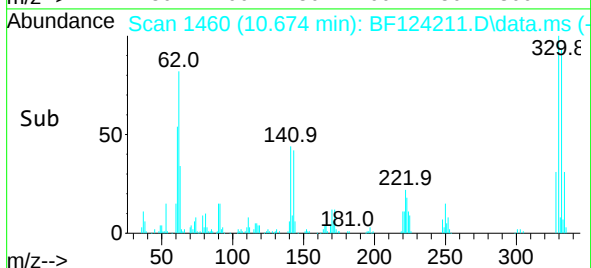
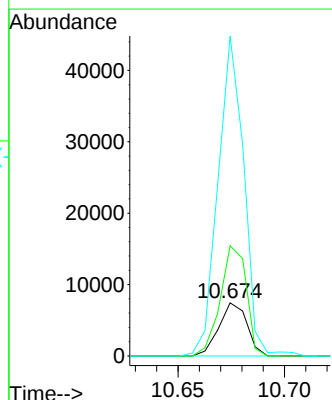
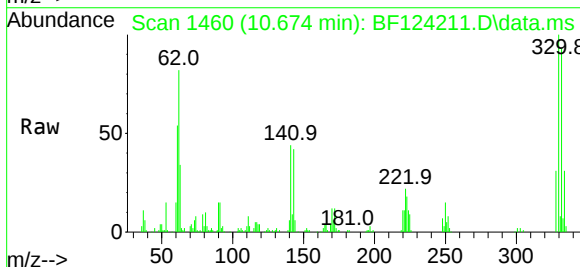
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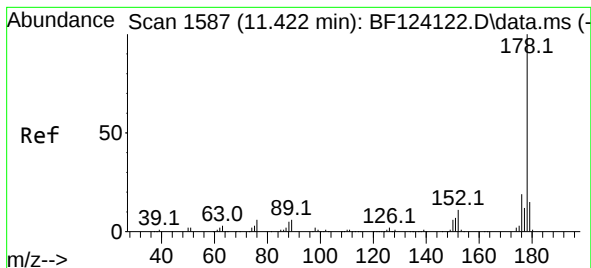
Tgt Ion:188 Resp: 125653
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 7.4 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 3.949 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:248 Resp: 6811
Ion Ratio Lower Upper
248 100
250 207.8 77.4 116.2#
141 602.8 63.7 95.5#

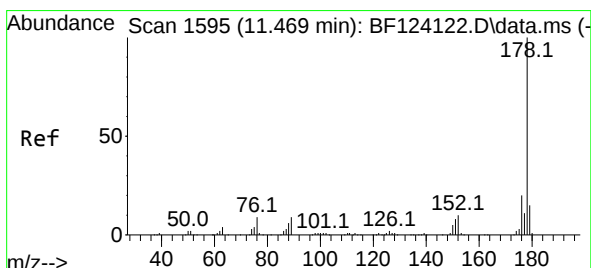
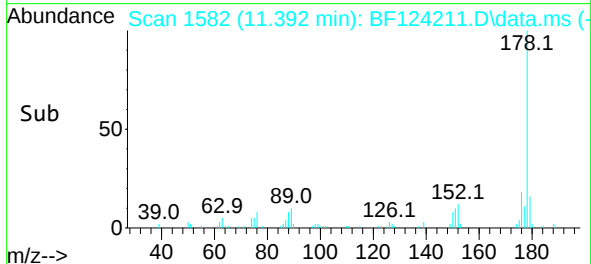
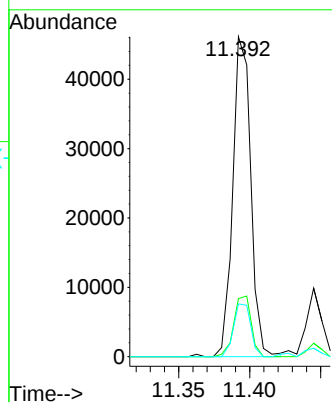
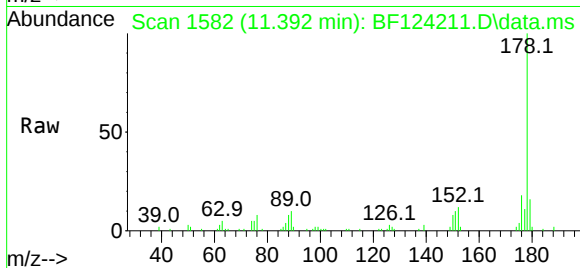




#71
Phenanthrene
Concen: 5.202 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

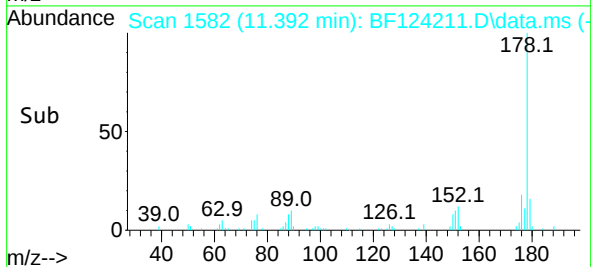
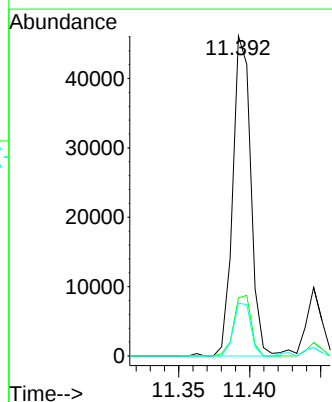
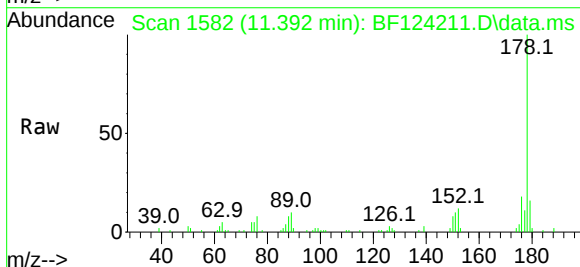
Instrument :
BNA_F
ClientSampleId :
G-1

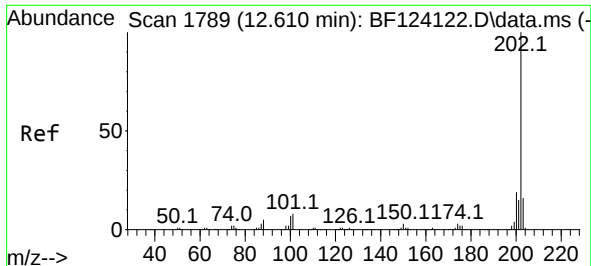
Tgt Ion:178 Resp: 40835
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 16.5 12.5 18.7



#72
Anthracene
Concen: 5.166 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.065 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:178 Resp: 40835
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 16.5 12.6 18.8

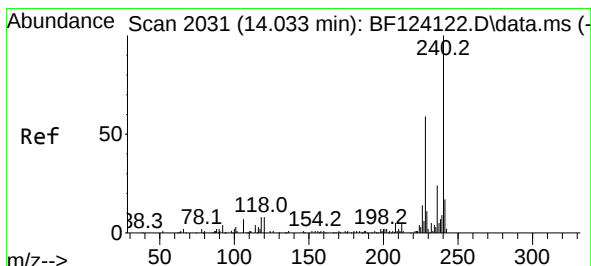
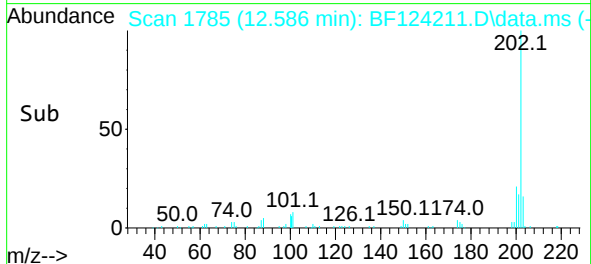
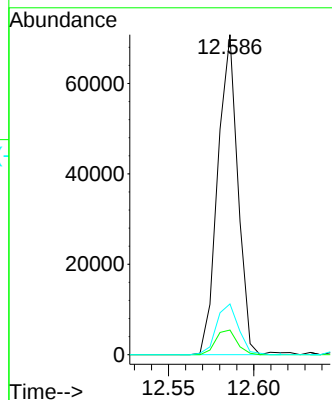
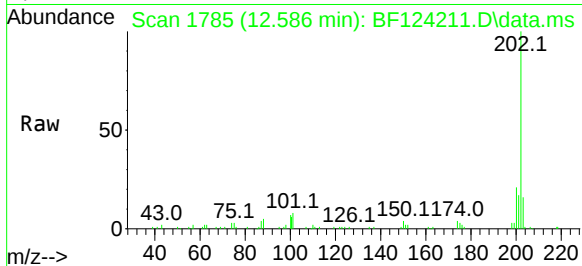




#75
Fluoranthene
Concen: 7.067 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

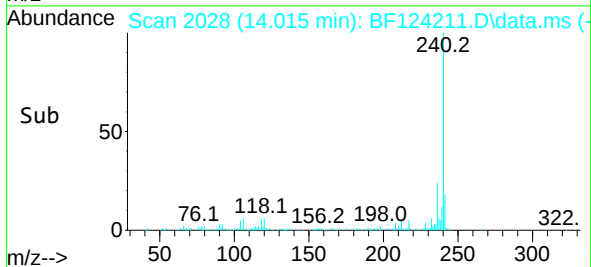
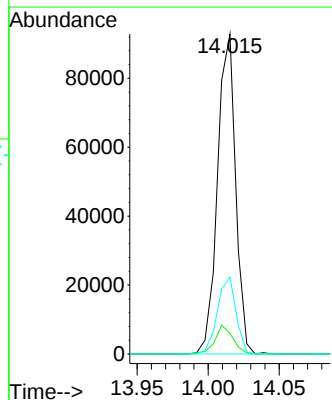
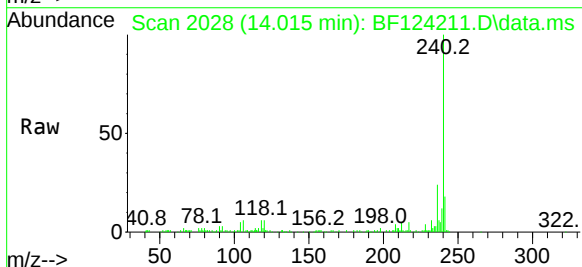
Instrument :
BNA_F
ClientSampleId :
G-1

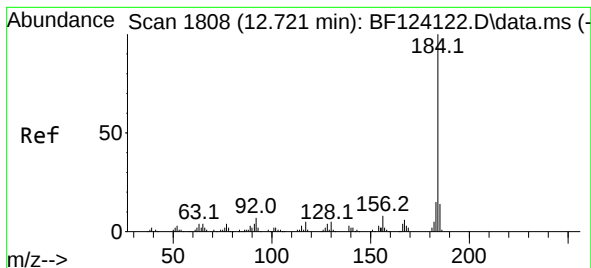
Tgt Ion:202 Resp: 58227
Ion Ratio Lower Upper
202 100
101 7.7 0.0 30.9
203 15.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:240 Resp: 82330
Ion Ratio Lower Upper
240 100
120 6.4 7.2 10.8#
236 24.0 19.0 28.4





#77

Benzidine

Concen: 6.249 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.247 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

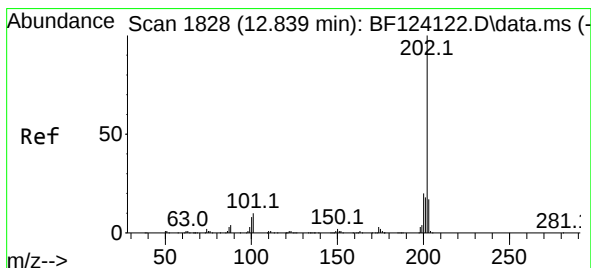
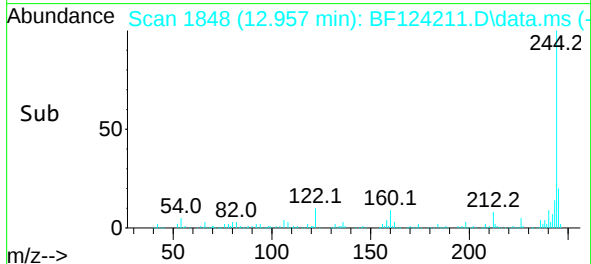
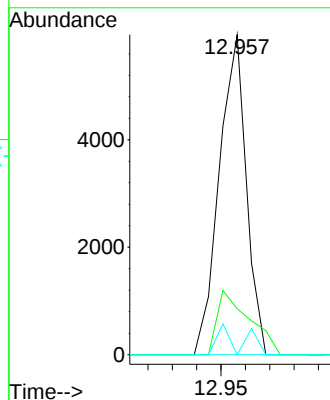
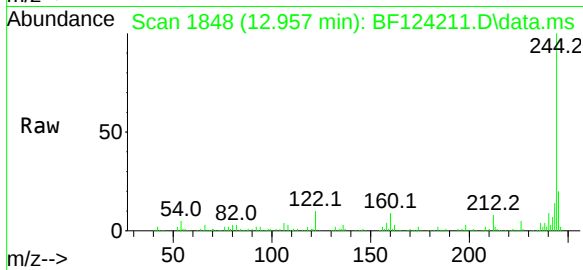
Tgt Ion:184 Resp: 4588

Ion Ratio Lower Upper

184 100

185 14.4 12.1 18.1

183 0.0 7.8 11.8#



#78

Pyrene

Concen: 7.365 ng

RT: 12.586 min Scan# 1785

Delta R.T. -0.235 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

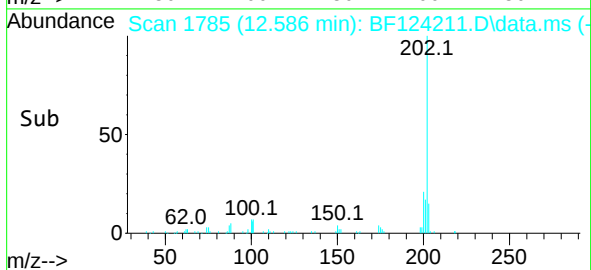
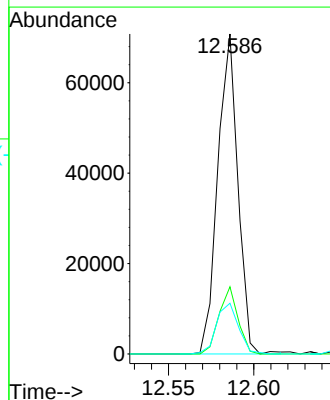
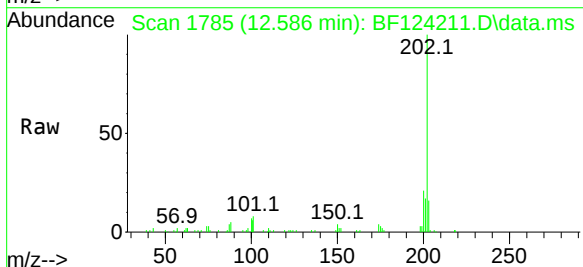
Tgt Ion:202 Resp: 58227

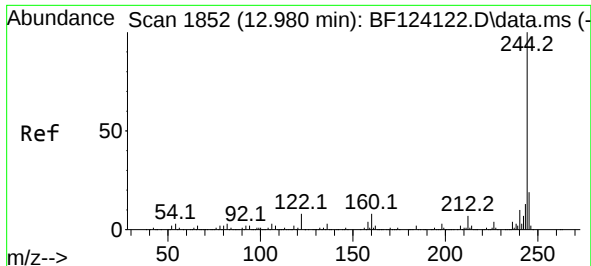
Ion Ratio Lower Upper

202 100

200 21.0 16.1 24.1

203 15.8 14.8 22.2

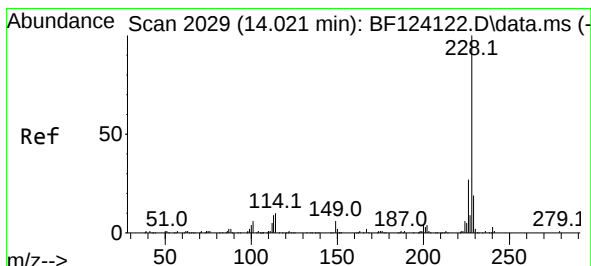
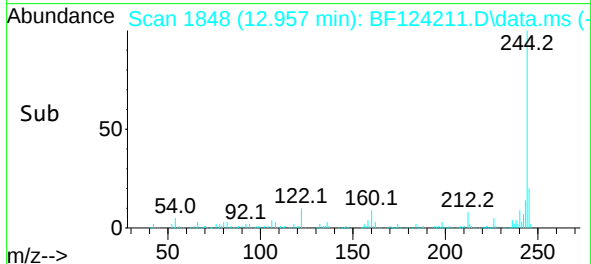
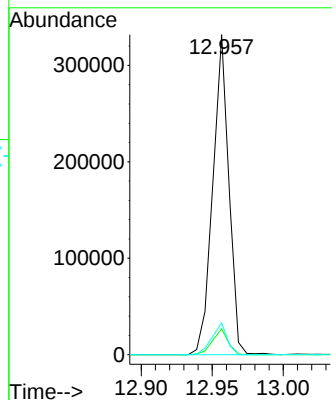
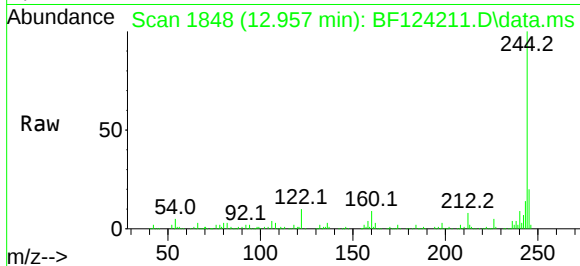




#79
 Terphenyl-d14
 Concen: 43.663 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124211.D
 Acq: 9 Jun 2021 16:23

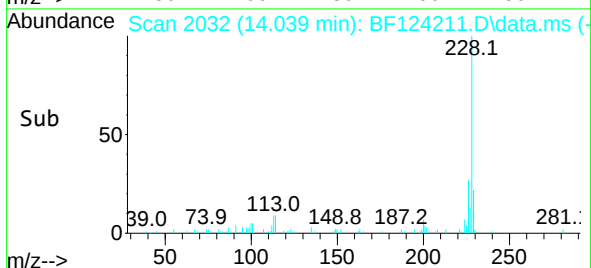
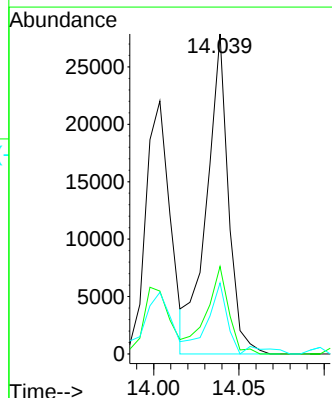
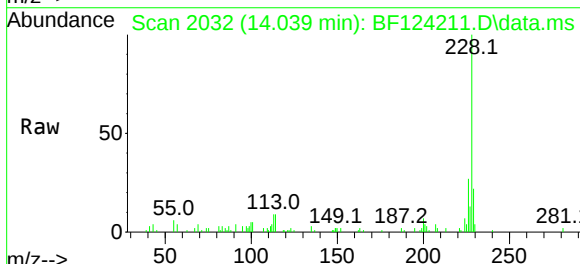
Instrument :
 BNA_F
 ClientSampleId :
 G-1

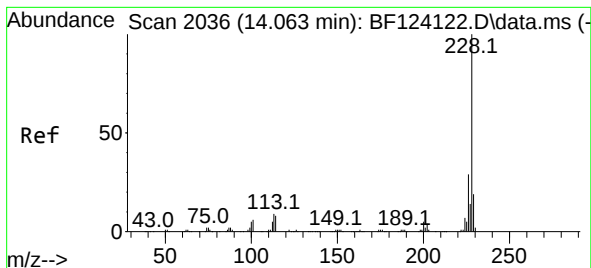
Tgt Ion:244 Resp: 261827
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 9.9 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.121 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.029 min
 Lab File: BF124211.D
 Acq: 9 Jun 2021 16:23

Tgt Ion:228 Resp: 24718
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.4 33.6
 229 22.2 16.0 24.0





#83

Chrysene

Concen: 4.272 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

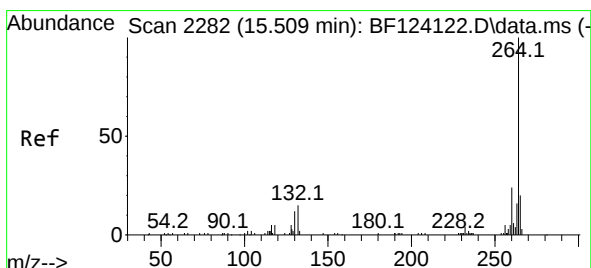
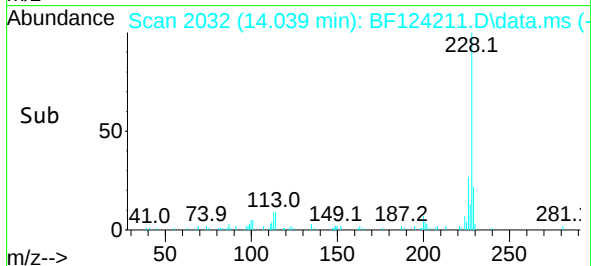
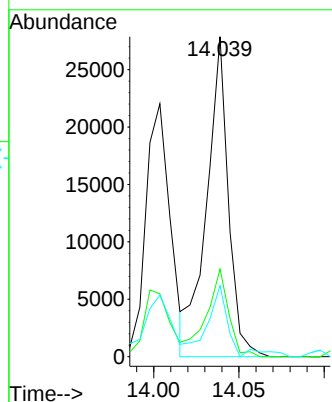
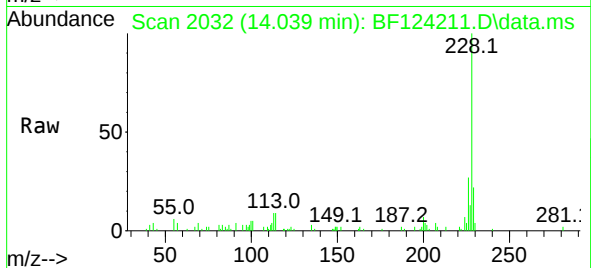
Tgt Ion:228 Resp: 24718

Ion Ratio Lower Upper

228 100

226 27.4 24.3 36.5

229 22.2 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

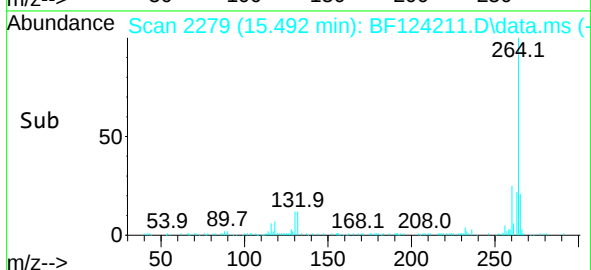
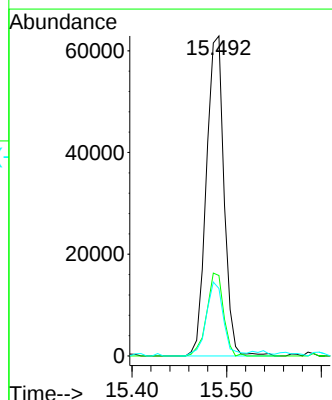
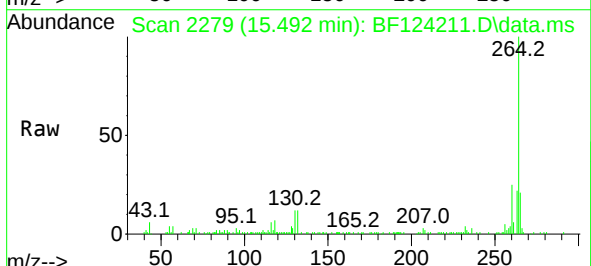
Tgt Ion:264 Resp: 81322

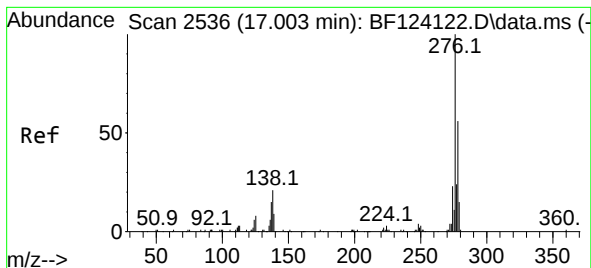
Ion Ratio Lower Upper

264 100

260 25.1 18.7 28.1

265 21.1 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.837 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

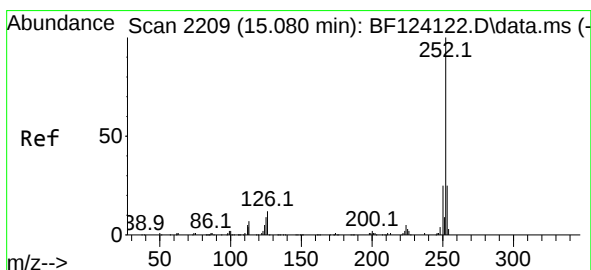
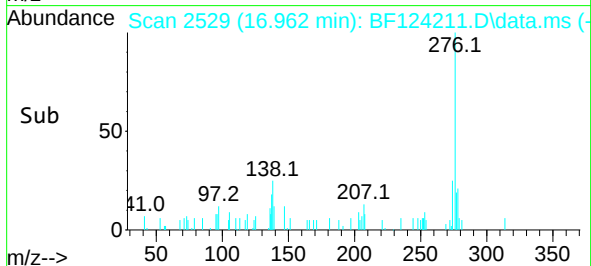
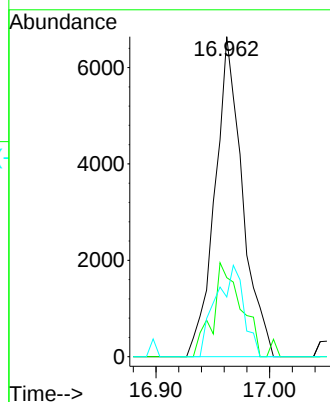
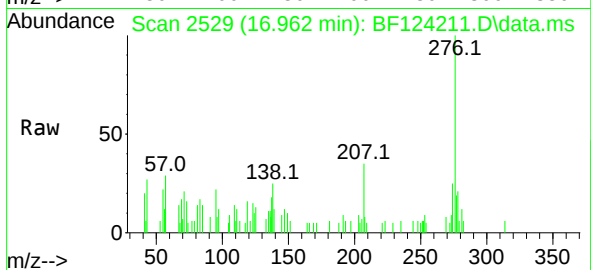
Instrument :

BNA_F

ClientSampleId :

G-1

Tgt Ion:	276	Resp:	11171
Ion Ratio	Lower	Upper	
276	100		
138	30.1	16.2	24.2#
277	28.8	20.1	30.1



#88

Benzo(b)fluoranthene

Concen: 7.127 ng

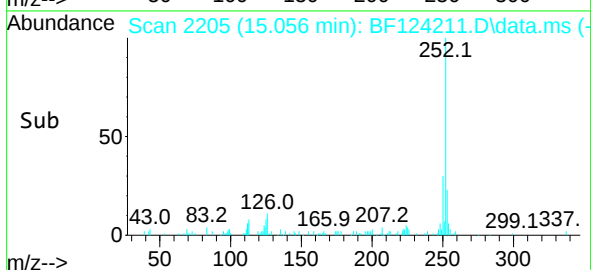
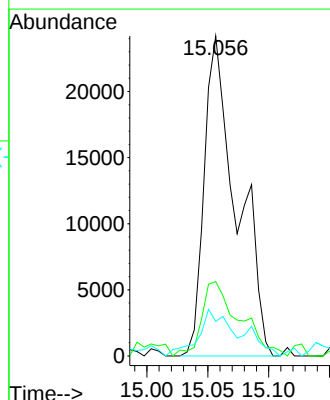
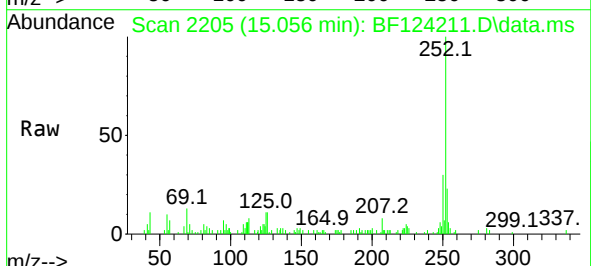
RT: 15.056 min Scan# 2205

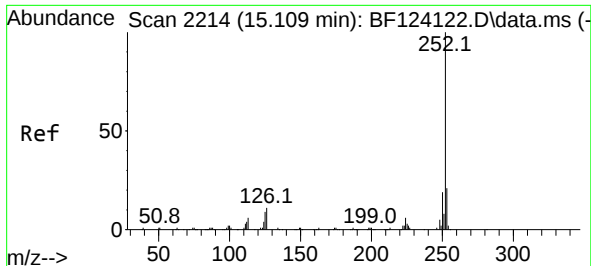
Delta R.T. -0.006 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

Tgt Ion:	252	Resp:	45022
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	10.8	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 7.528 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

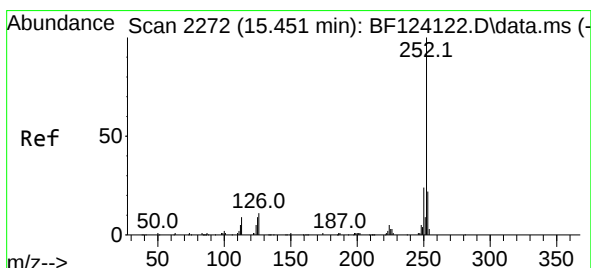
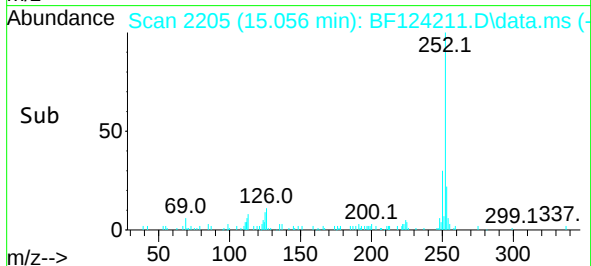
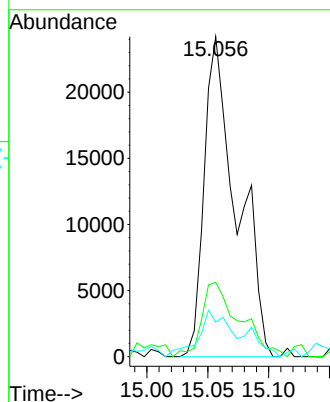
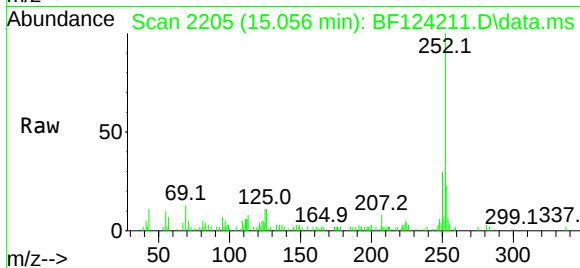
Tgt Ion:	252	Resp:	45022
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	10.8	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

G-1



#90

Benzo(a)pyrene

Concen: 3.897 ng

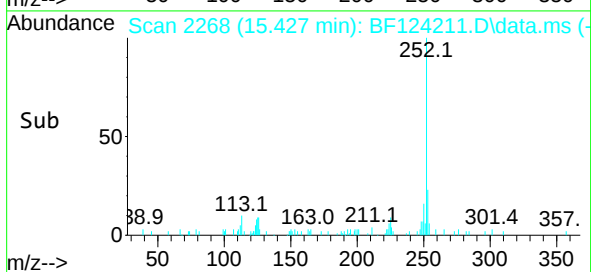
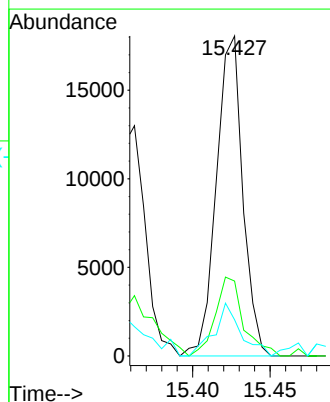
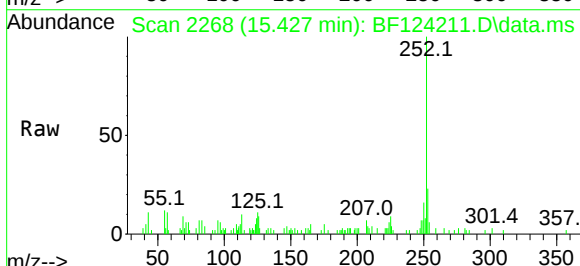
RT: 15.427 min Scan# 2268

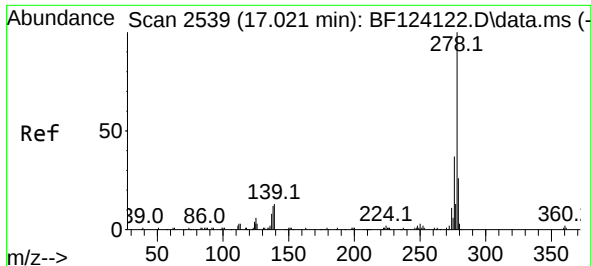
Delta R.T. -0.006 min

Lab File: BF124211.D

Acq: 9 Jun 2021 16:23

Tgt Ion:	252	Resp:	21381
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	11.3	8.0	12.0

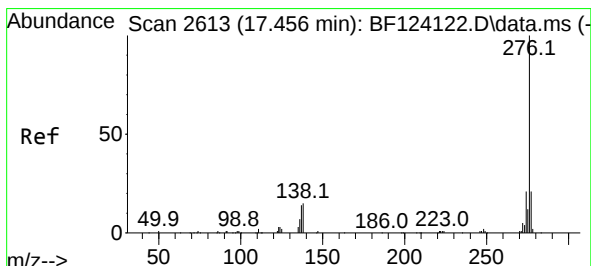
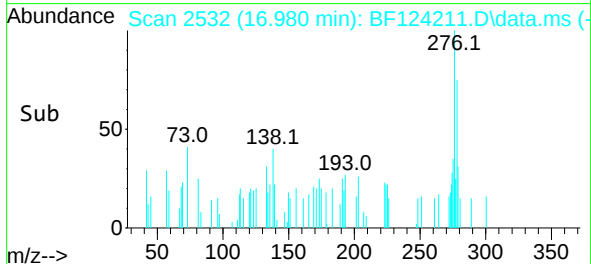
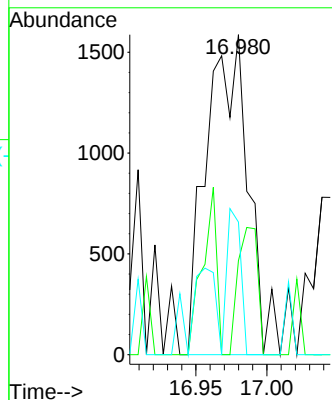
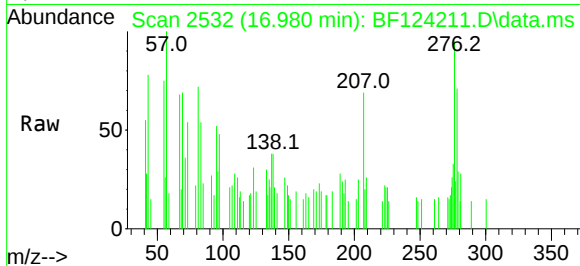




#91
Dibenzo(a,h)anthracene
Concen: 4.688 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Instrument :
BNA_F
ClientSampled :
G-1

Tgt Ion:278 Resp: 3249
Ion Ratio Lower Upper
278 100
139 29.4 10.2 15.2#
279 41.5 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.332 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.023 min
Lab File: BF124211.D
Acq: 9 Jun 2021 16:23

Tgt Ion:276 Resp: 9441
Ion Ratio Lower Upper
276 100
277 33.6 18.2 27.2#
138 16.8 13.8 20.6

