

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124209.D
 Acq On : 9 Jun 2021 15:14
 Operator : JU/CG
 Sample : M2589-16DL 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B11(4-6)DL

Quant Time: Jun 09 15:39:19 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)

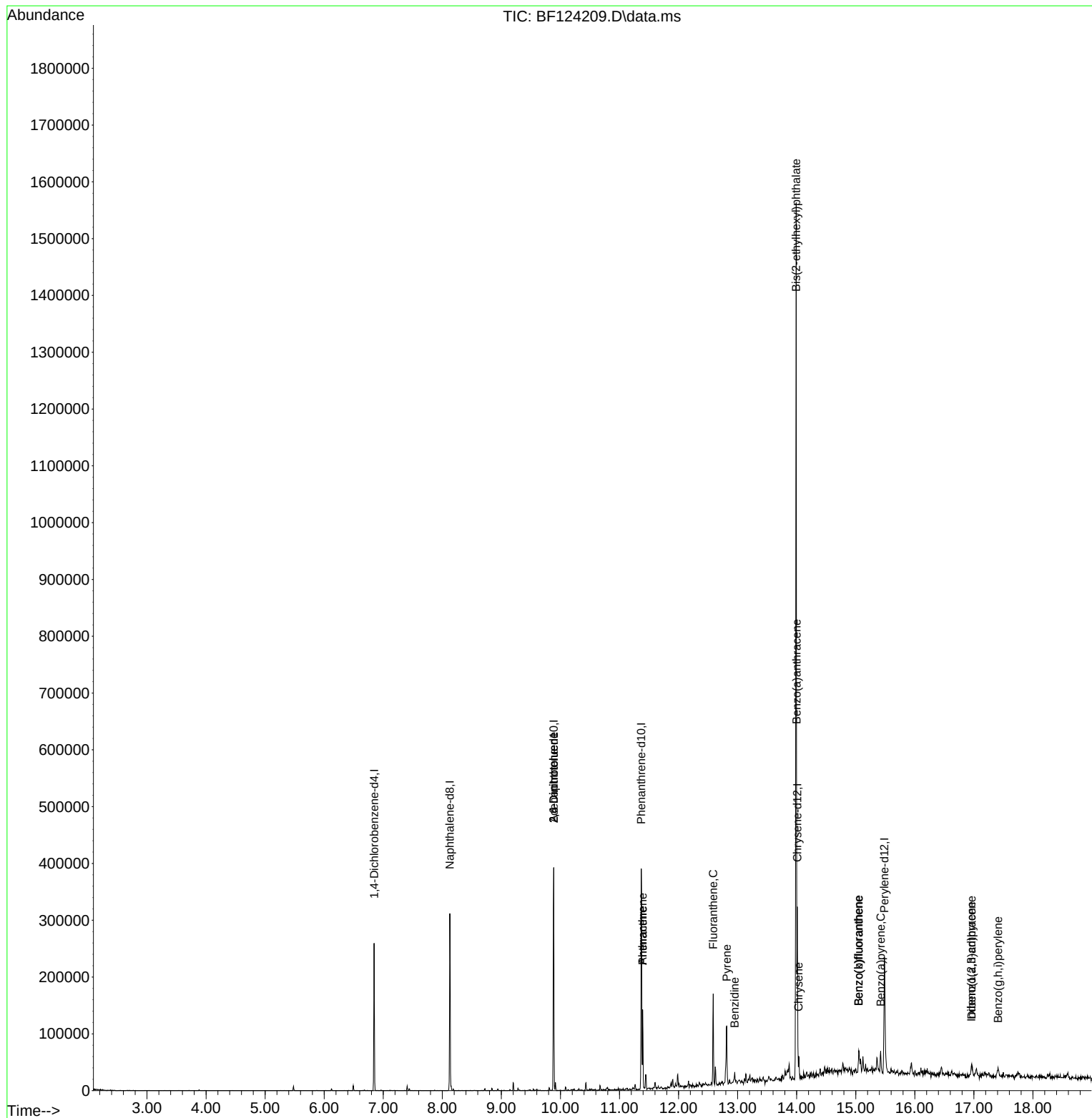
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	29675	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	112187	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	70859	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	129178	20.000	ng	0.00
76) Chrysene-d12	14.010	240	76656	20.000	ng	-0.01
86) Perylene-d12	15.486	264	81352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2345	1.190	ng	0.00
7) Phenol-d6	6.493	99	2741	1.034	ng	0.00
23) Nitrobenzene-d5	7.404	82	2324	0.822	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	672	0.669	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	5113	0.908	ng	-0.01
79) Terphenyl-d14	12.951	244	5316	0.952	ng	-0.01
Target Compounds					Qvalue	
51) 2,6-Dinitrotoluene	9.886	165	8874	6.602	ng	# 12
57) 2,4-Dinitrotoluene	9.886	165	8874	5.006	ng	# 18
71) Phenanthrene	11.392	178	39966	4.953	ng	96
72) Anthracene	11.392	178	39966	4.918	ng	96
75) Fluoranthene	12.586	202	50827	6.001	ng	91
77) Benzidine	12.951	184	302	4.215	ng	# 68
78) Pyrene	12.816	202	42099	5.719	ng	97
81) Benzo(a)anthracene	13.998	228	15938	2.854	ng	# 91
83) Chrysene	14.033	228	13816	2.564	ng	# 84
84) Bis(2-ethylhexyl)phtha...	13.992	149	345781	97.348	ng	96
87) Indeno(1,2,3-cd)pyrene	16.957	276	9896	5.665	ng	# 88
88) Benzo(b)fluoranthene	15.051	252	24879	3.937	ng	# 89
89) Benzo(k)fluoranthene	15.051	252	24879	4.159	ng	# 90
90) Benzo(a)pyrene	15.421	252	12725	2.318	ng	93
91) Dibenzo(a,h)anthracene	16.962	278	1735	4.449	ng	# 86
92) Benzo(g,h,i)perylene	17.409	276	9148	5.284	ng	# 89

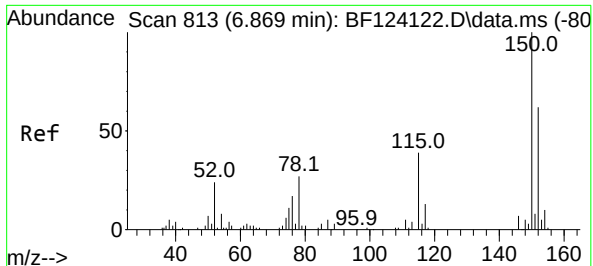
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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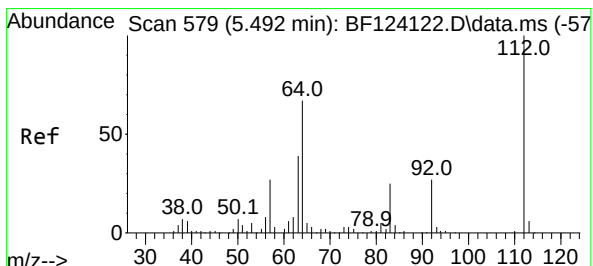
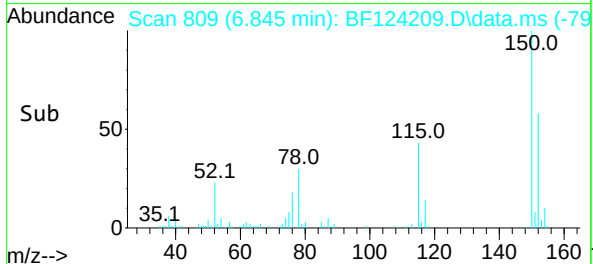
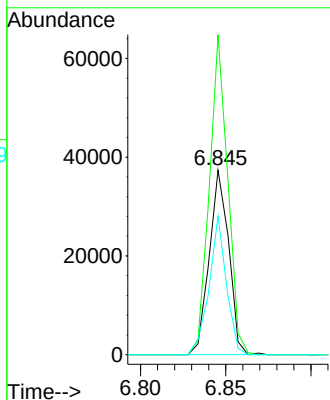
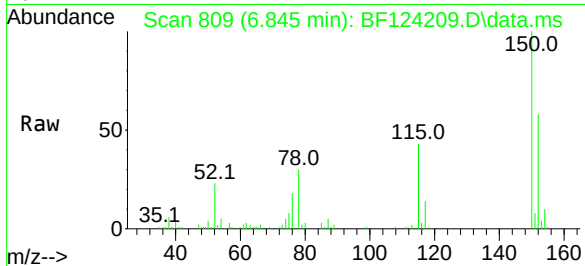




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

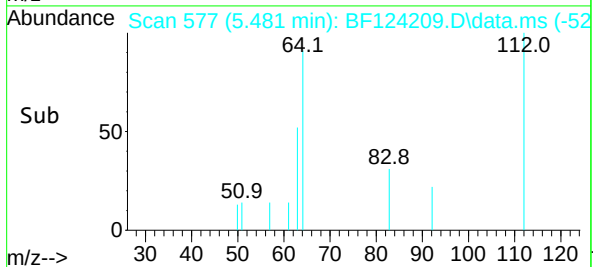
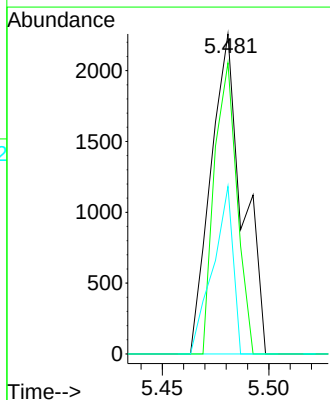
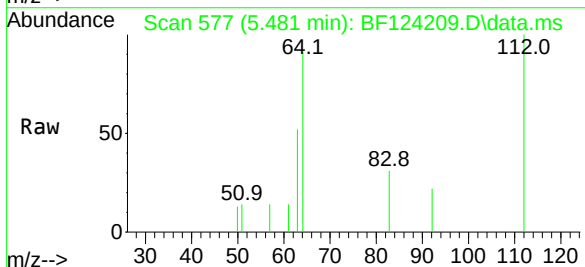
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

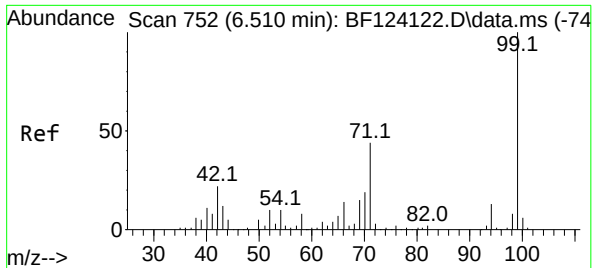
Tgt Ion:152 Resp: 29675
Ion Ratio Lower Upper
152 100
150 173.5 127.0 190.6
115 75.2 54.3 81.5



#5
2-Fluorophenol
Concen: 1.190 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:112 Resp: 2345
Ion Ratio Lower Upper
112 100
64 91.0 61.4 92.0
63 52.4 33.0 49.4#

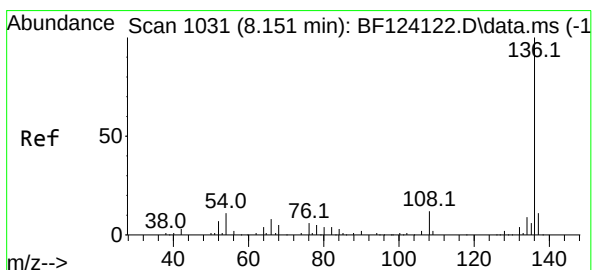
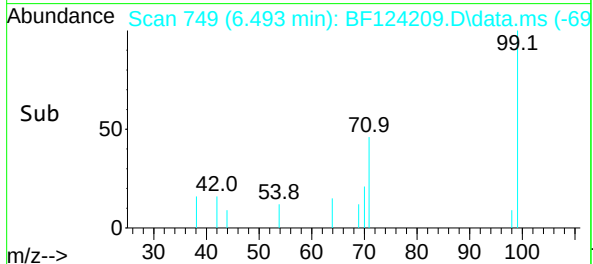
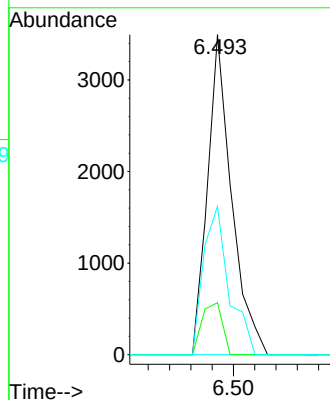
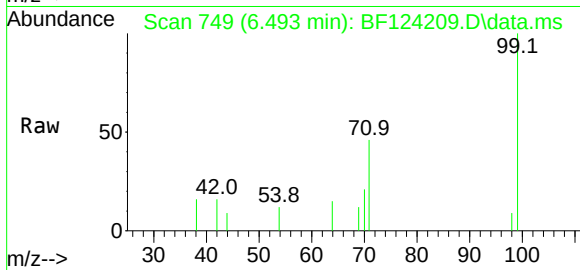




#7
Phenol-d6
Concen: 1.034 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

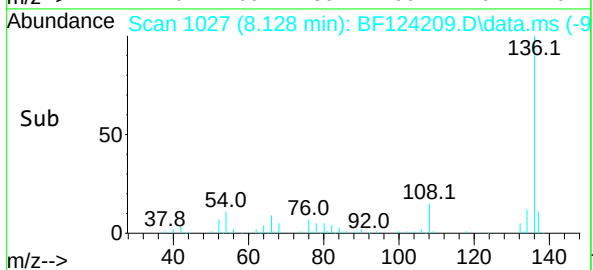
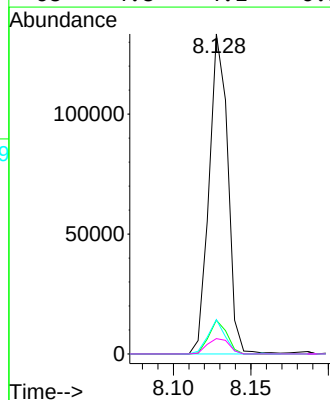
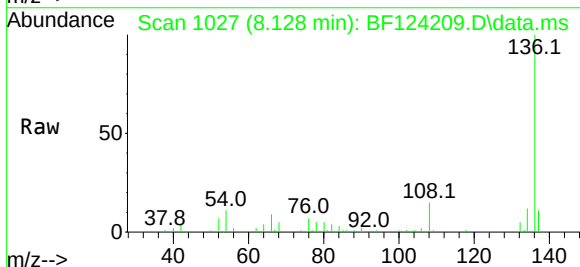
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

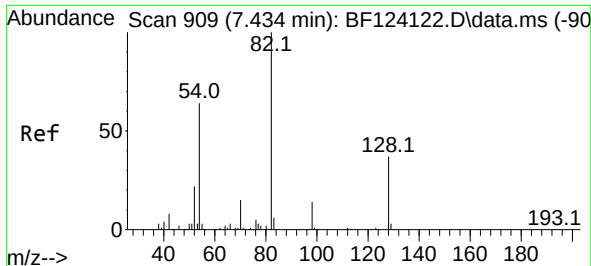
Tgt Ion: 99 Resp: 2741
Ion Ratio Lower Upper
99 100
42 16.2 19.8 29.8#
71 46.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion: 136 Resp: 112187
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 10.8 9.8 14.6
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 0.822 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF124209.D

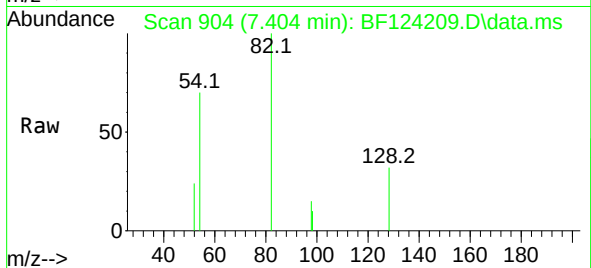
Acq: 9 Jun 2021 15:14

Instrument :

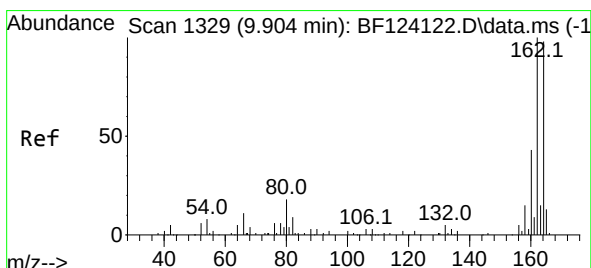
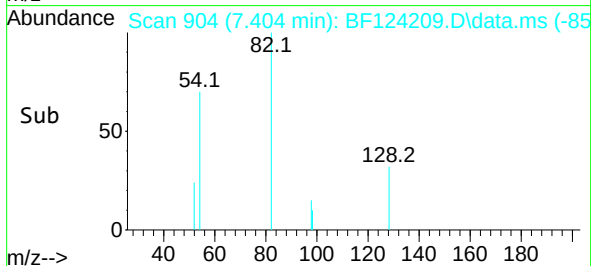
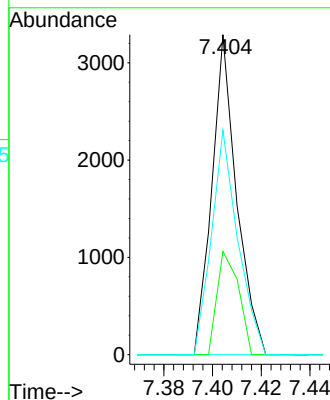
BNA_F

ClientSampleId :

18-B11(4-6)DL



Tgt Ion:	82	Resp:	2324
Ion	Ratio	Lower	Upper
82	100		
128	32.3	29.4	44.2
54	70.2	54.1	81.1



#39

Acenaphthene-d10

Concen: 20.000 ng

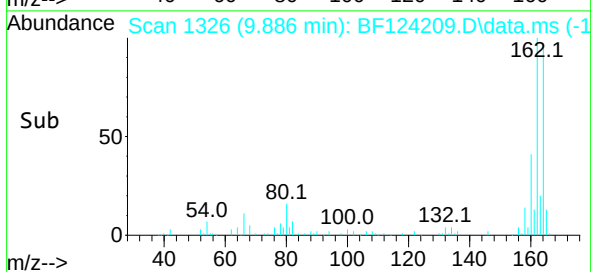
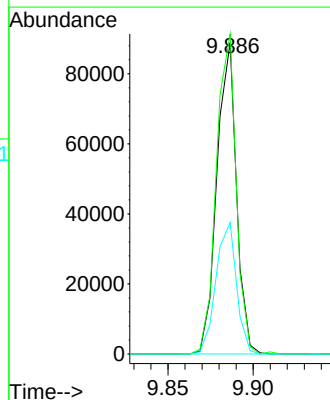
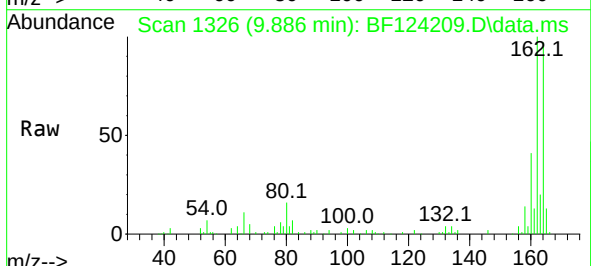
RT: 9.886 min Scan# 1326

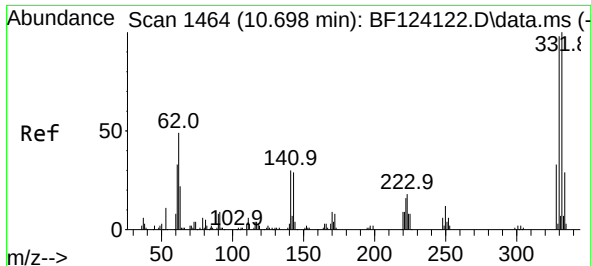
Delta R.T. -0.006 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

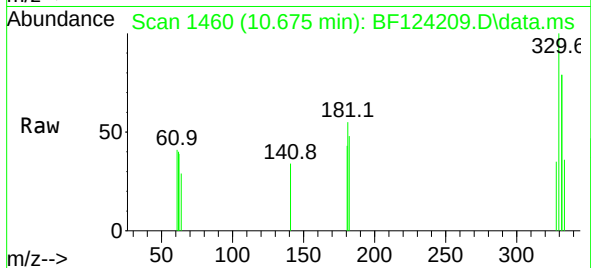
Tgt Ion:	164	Resp:	70859
Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.7	121.1
160	42.2	37.3	55.9



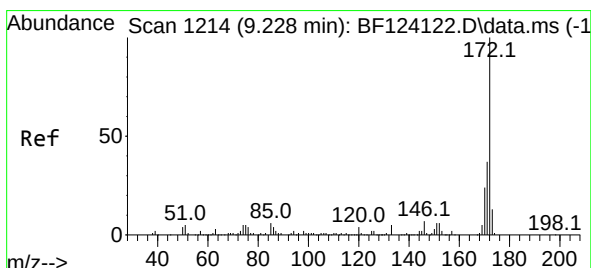
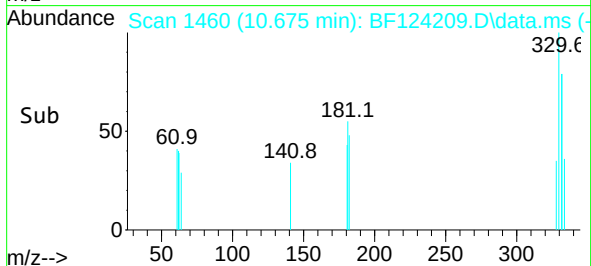
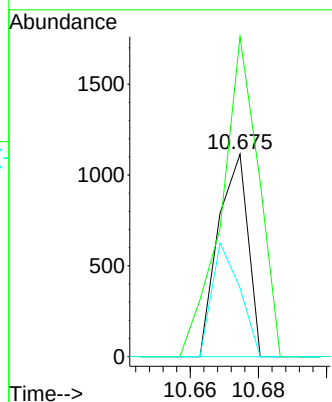


#42
2,4,6-Tribromophenol
Concen: 0.669 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

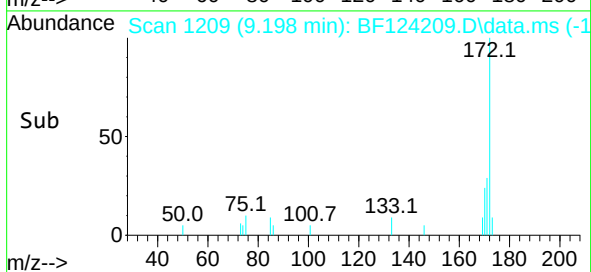
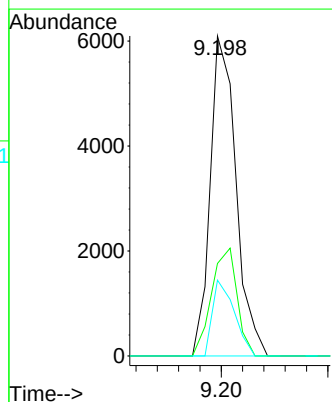
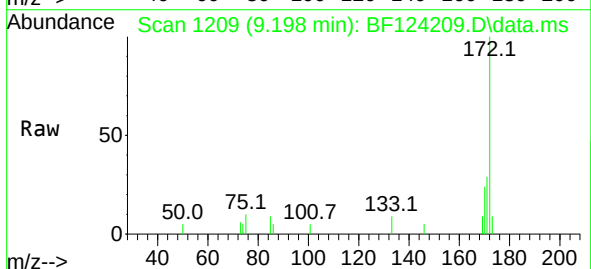


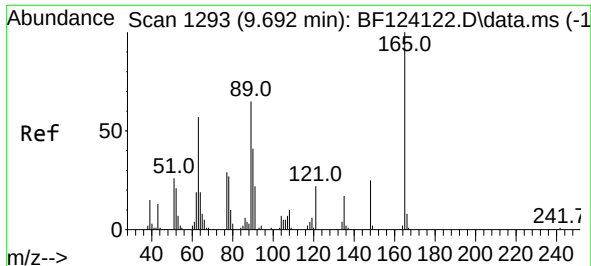
Tgt Ion:330 Resp: 672
Ion Ratio Lower Upper
330 100
332 196.6 77.1 115.7#
141 52.7 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 0.908 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:172 Resp: 5113
Ion Ratio Lower Upper
172 100
171 28.9 28.1 42.1
170 23.7 19.2 28.8

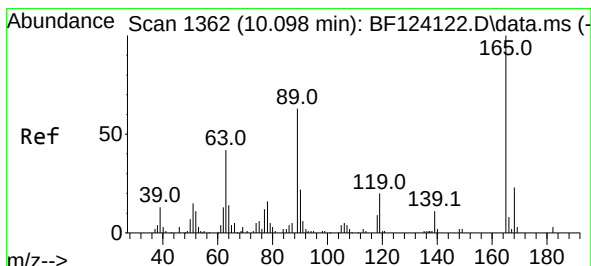
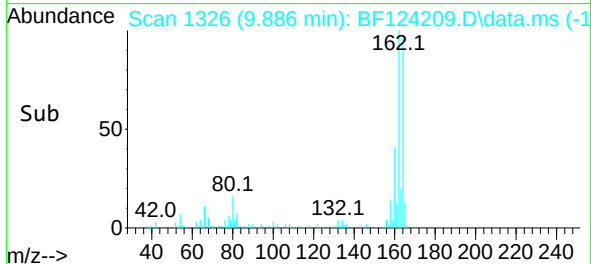
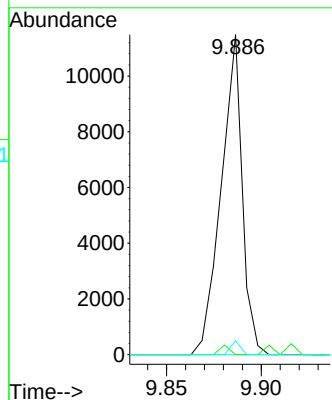
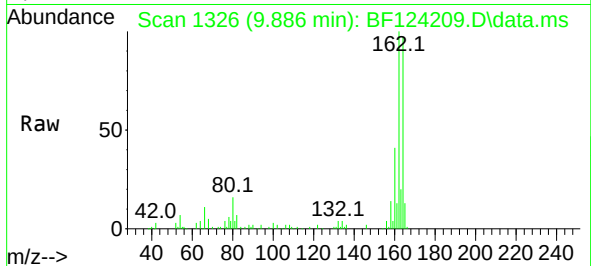




#51
2,6-Dinitrotoluene
Concen: 6.602 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

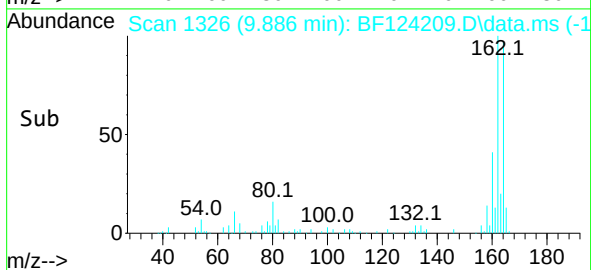
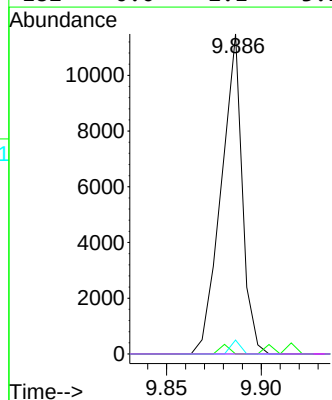
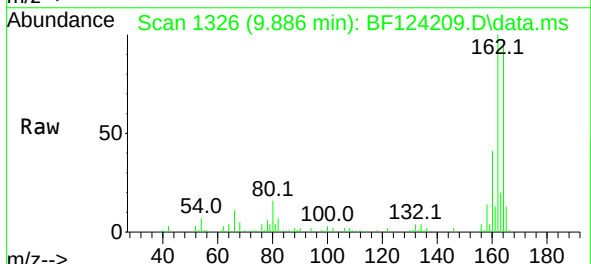
Instrument :
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ClientSampleId :
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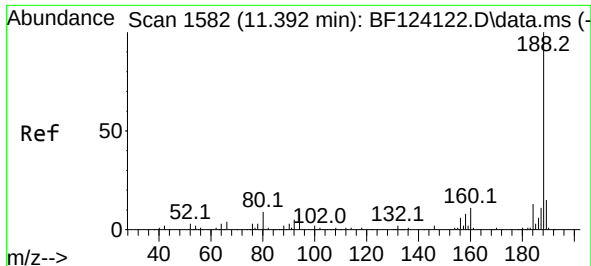
Tgt Ion:165 Resp: 8874
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.3 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.006 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:165 Resp: 8874
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.3 67.7 101.5#
182 0.0 2.1 3.1#

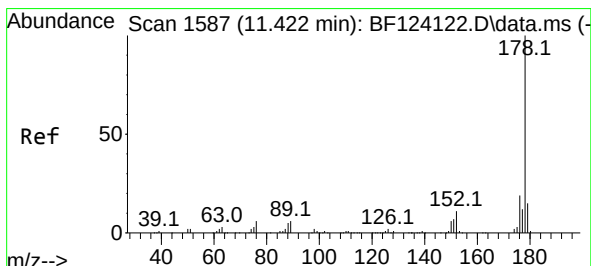
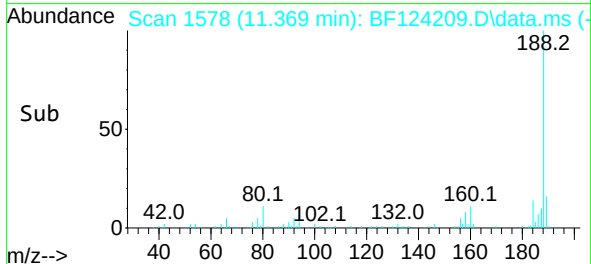
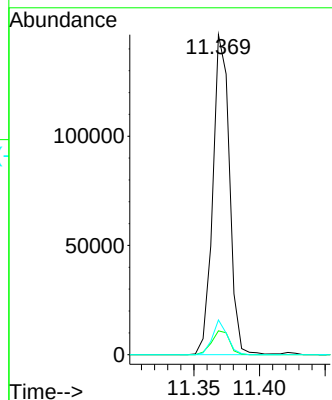
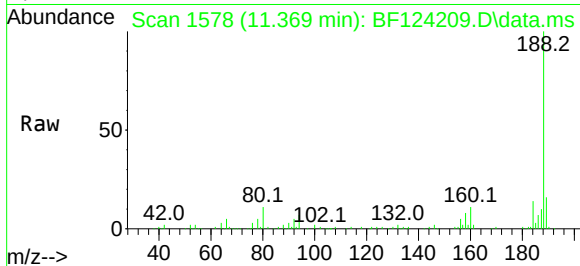




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

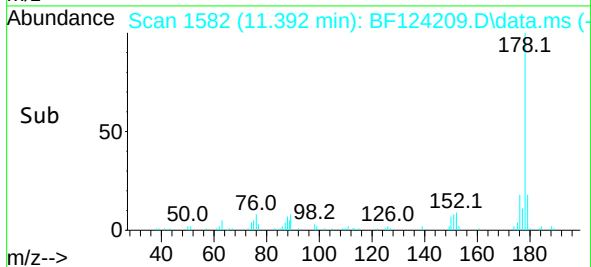
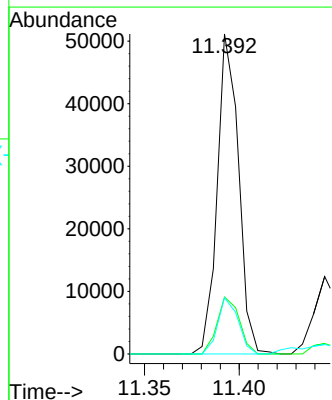
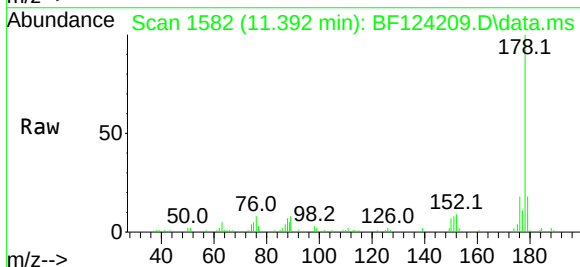
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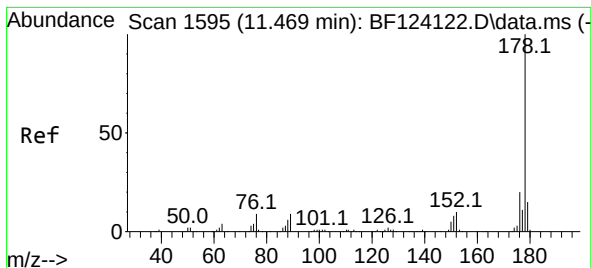
Tgt Ion:188 Resp: 129178
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 10.9 8.2 12.2



#71
Phenanthrene
Concen: 4.953 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:178 Resp: 39966
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 17.5 12.5 18.7





#72

Anthracene

Concen: 4.918 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.064 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

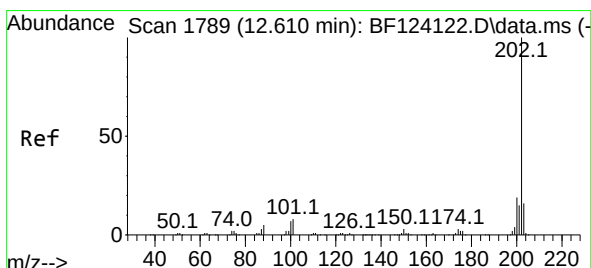
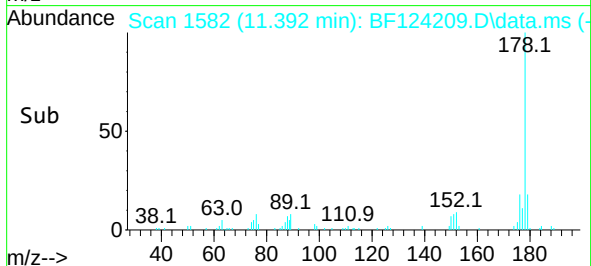
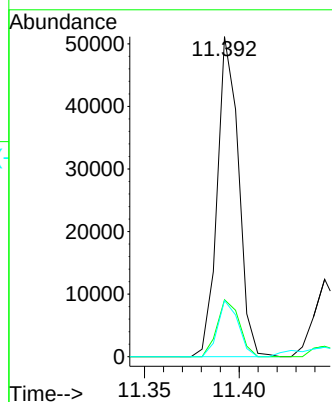
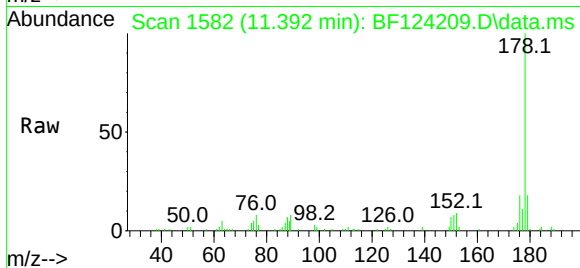
Tgt Ion:178	Resp:	39966
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.4 23.0
179	17.5	12.6 18.8

Instrument :

BNA_F

ClientSampleId :

18-B11(4-6)DL



#75

Fluoranthene

Concen: 6.001 ng

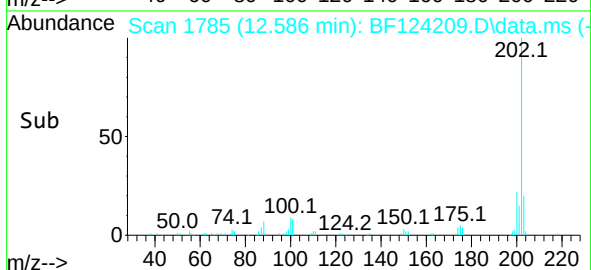
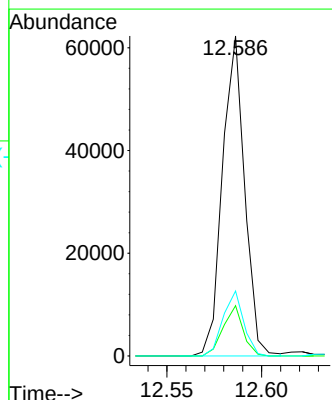
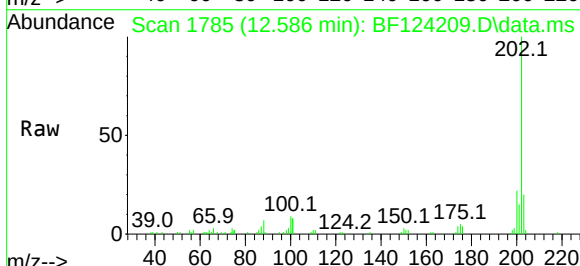
RT: 12.586 min Scan# 1785

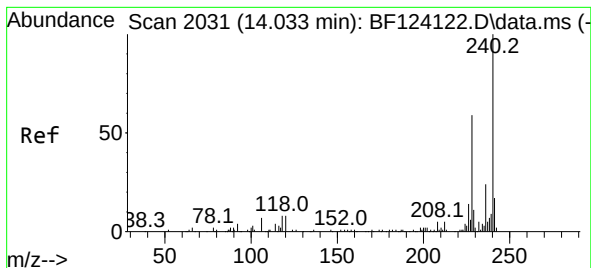
Delta R.T. -0.006 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

Tgt Ion:202	Resp:	50827
Ion Ratio	Lower	Upper
202	100	
101	15.7	0.0 30.9
203	20.3	0.0 37.5

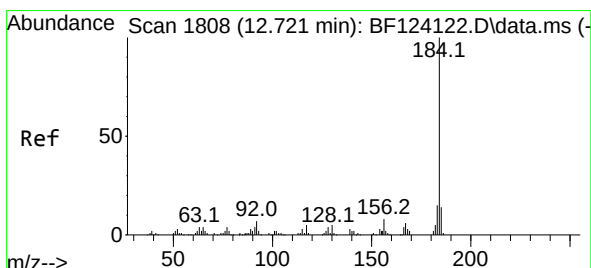
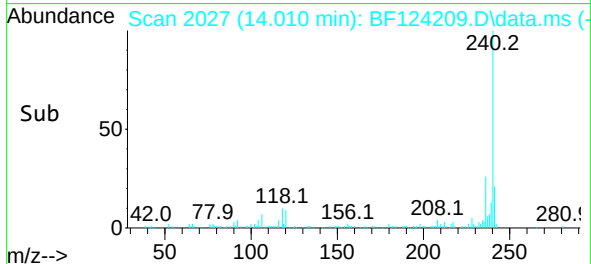
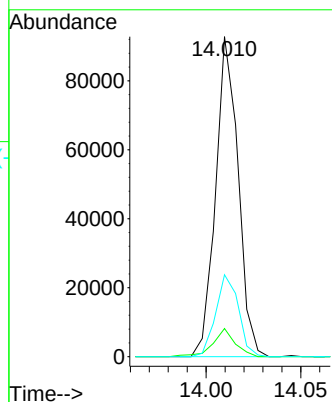
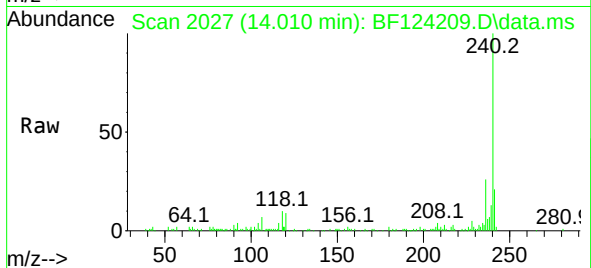




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

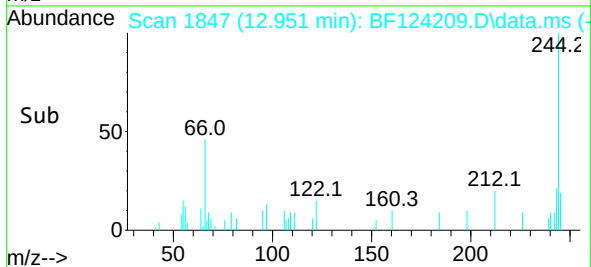
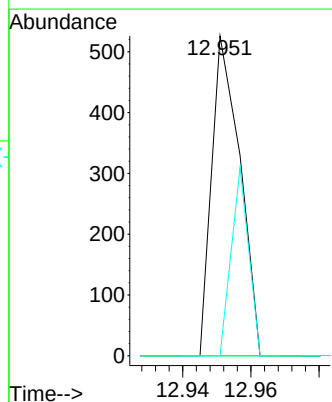
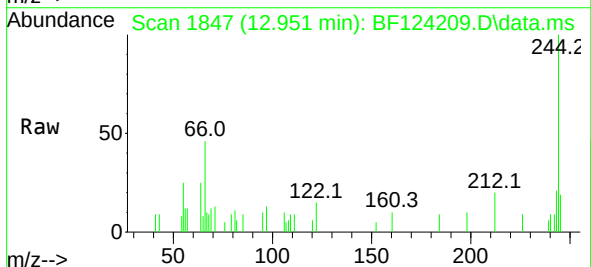
Instrument :
BNA_F
ClientSampled :
18-B11(4-6)DL

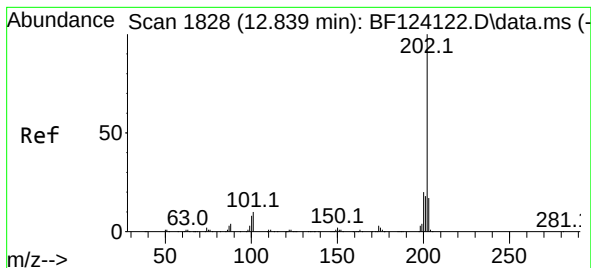
Tgt Ion:240 Resp: 76656
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 25.6 19.0 28.4



#77
Benzidine
Concen: 4.215 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:184 Resp: 302
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#





#78

Pyrene

Concen: 5.719 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

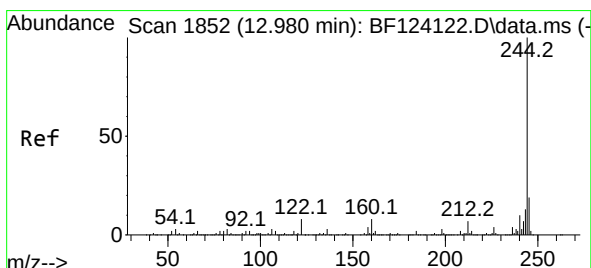
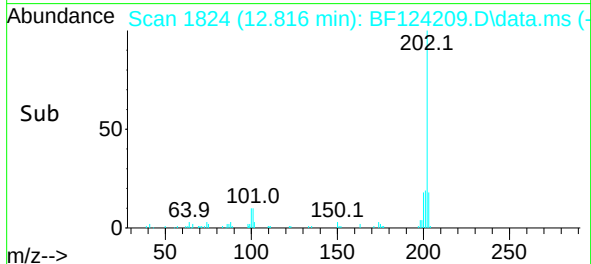
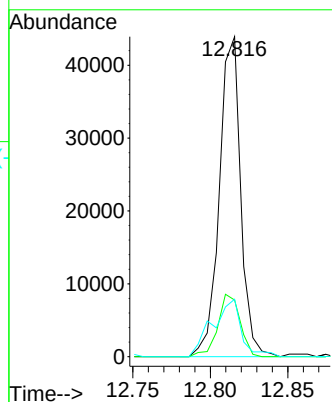
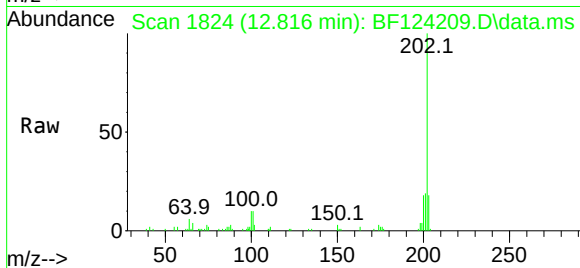
Tgt Ion:202 Resp: 42099

Ion Ratio Lower Upper

202 100

200 17.7 16.1 24.1

203 17.9 14.8 22.2



#79

Terphenyl-d14

Concen: 0.952 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

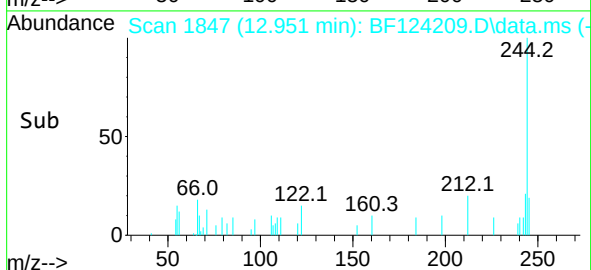
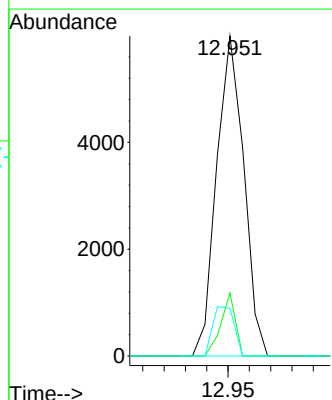
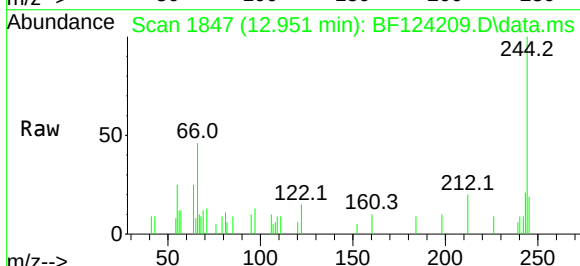
Tgt Ion:244 Resp: 5316

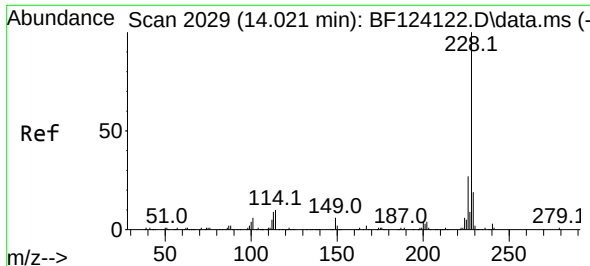
Ion Ratio Lower Upper

244 100

212 19.7 5.7 8.5#

122 14.9 9.7 14.5#

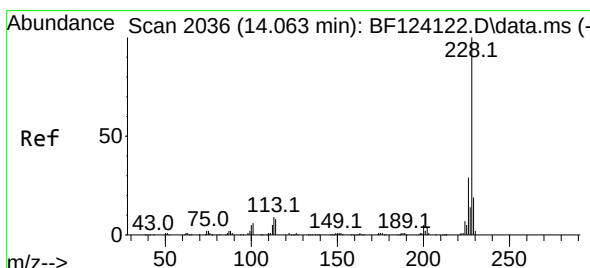
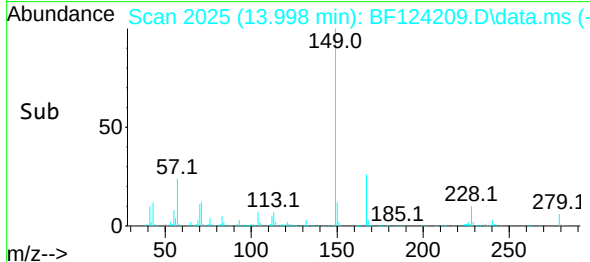
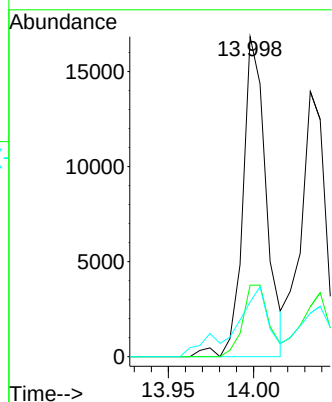
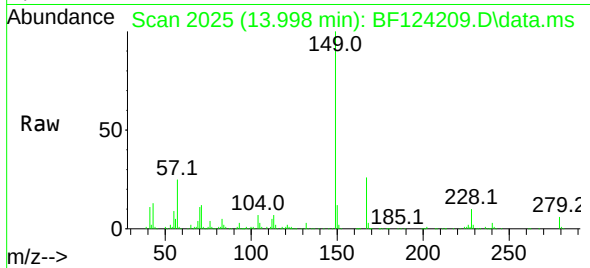




#81
Benzo(a)anthracene
Concen: 2.854 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

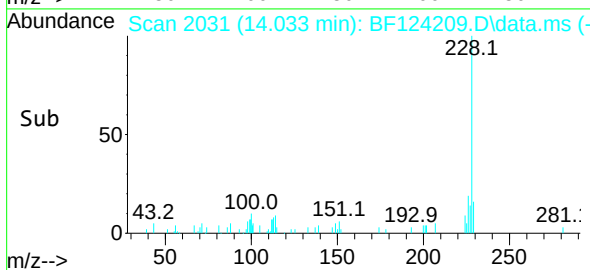
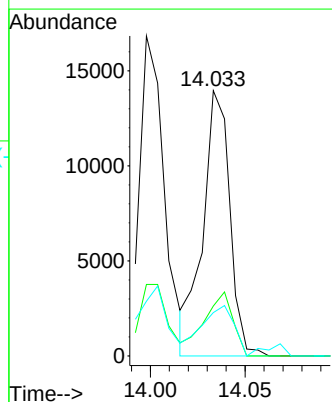
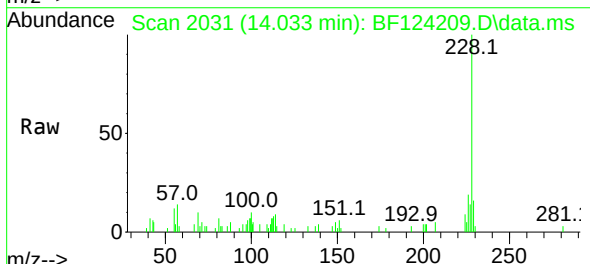
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

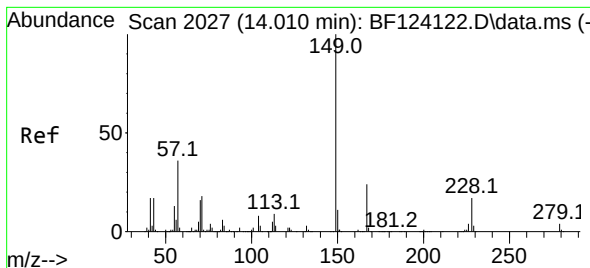
Tgt Ion:228 Resp: 15938
Ion Ratio Lower Upper
228 100
226 22.4 22.4 33.6#
229 17.1 16.0 24.0



#83
Chrysene
Concen: 2.564 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:228 Resp: 13816
Ion Ratio Lower Upper
228 100
226 18.8 24.3 36.5#
229 16.3 16.2 24.2

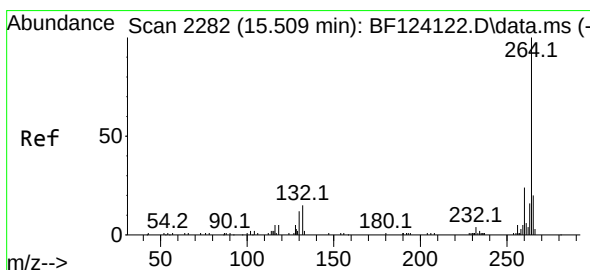
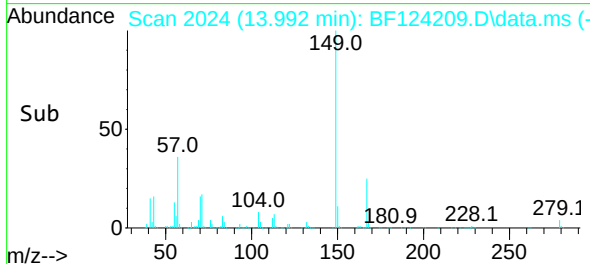
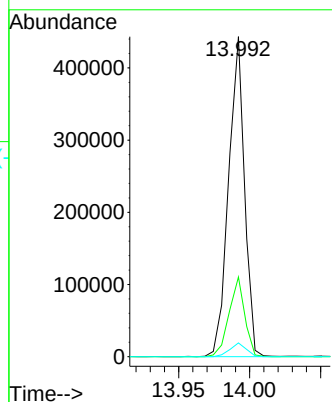
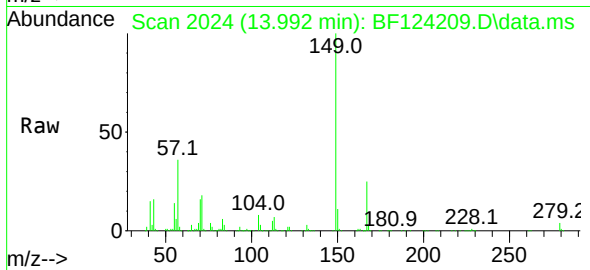




#84
Bis(2-ethylhexyl)phthalate
Concen: 97.348 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

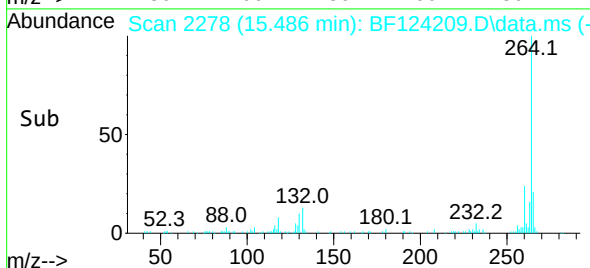
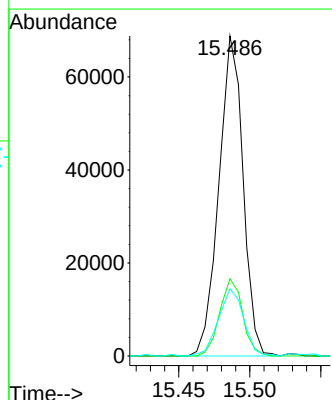
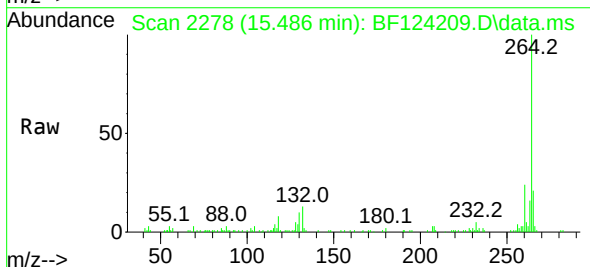
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

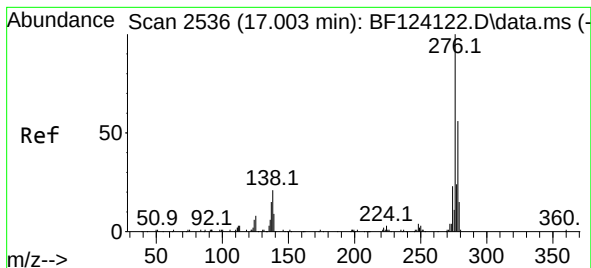
Tgt Ion:149 Resp: 345781
Ion Ratio Lower Upper
149 100
167 24.9 21.8 32.6
279 4.3 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:264 Resp: 81352
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.0 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.665 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.023 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

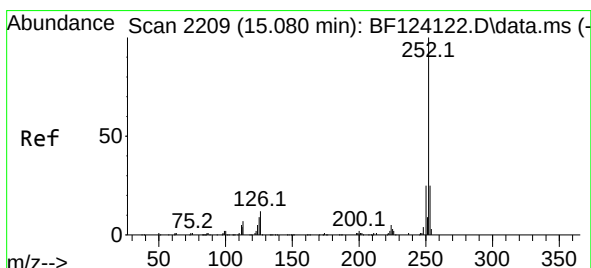
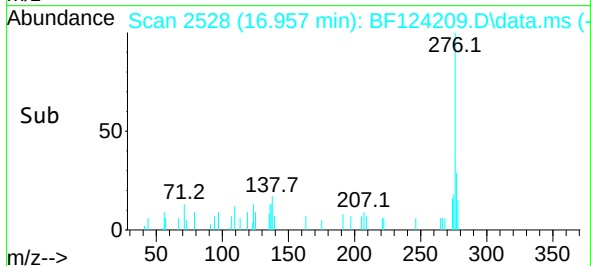
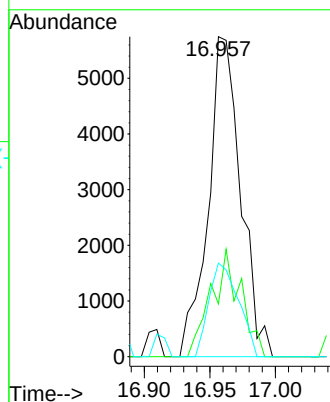
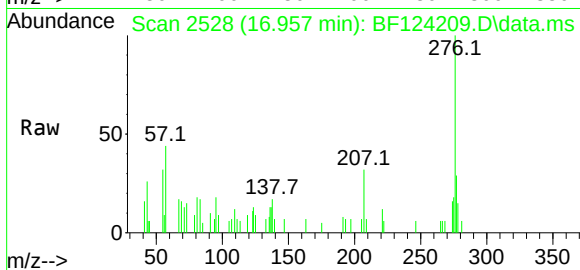
Tgt Ion:	276	Resp:	9896
Ion Ratio	Lower	Upper	
276	100		
138	30.6	16.2	24.2#
277	26.8	20.1	30.1

Instrument :

BNA_F

ClientSampleId :

18-B11(4-6)DL



#88

Benzo(b)fluoranthene

Concen: 3.937 ng

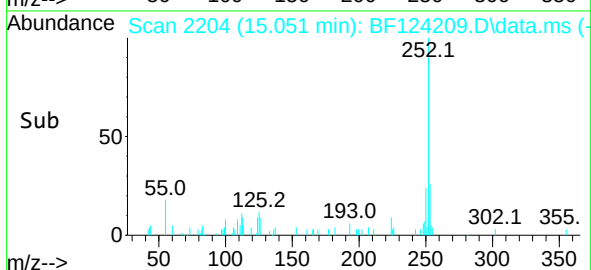
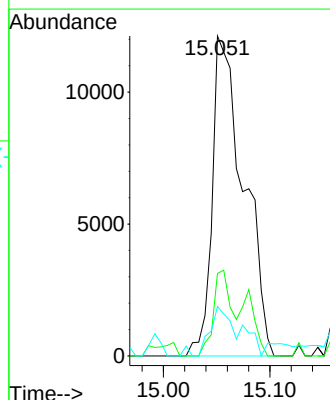
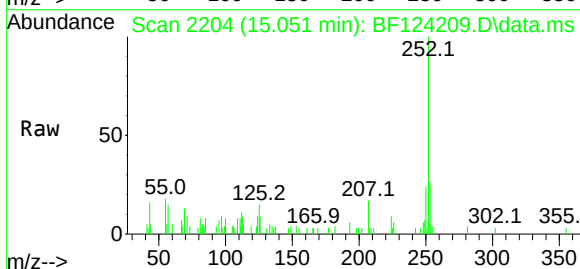
RT: 15.051 min Scan# 2204

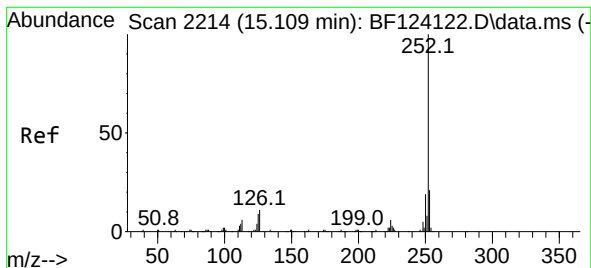
Delta R.T. -0.012 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

Tgt Ion:	252	Resp:	24879
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.1	27.1
125	15.5	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 4.159 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.041 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

Tgt Ion:252 Resp: 24879

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

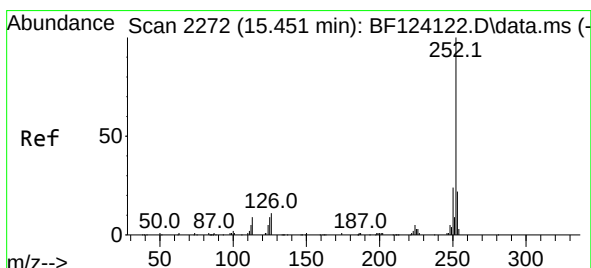
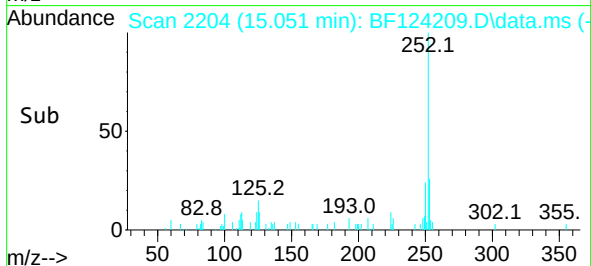
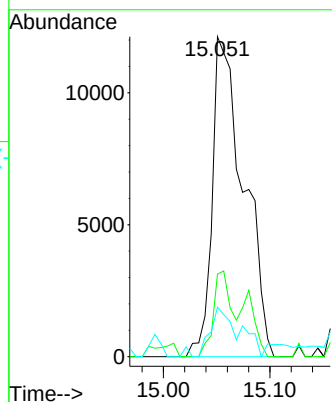
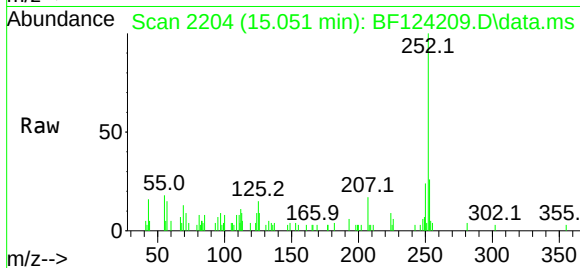
125 15.5 7.0 10.6#

Instrument :

BNA_F

ClientSampled :

18-B11(4-6)DL



#90

Benzo(a)pyrene

Concen: 2.318 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF124209.D

Acq: 9 Jun 2021 15:14

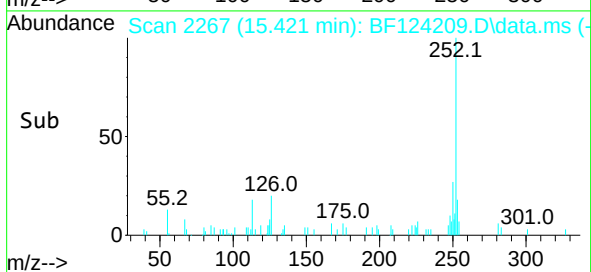
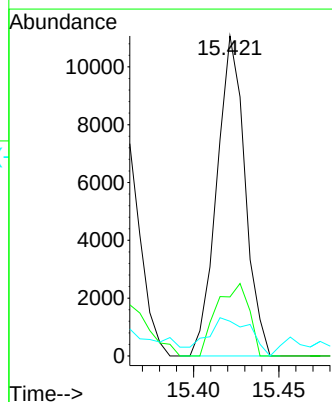
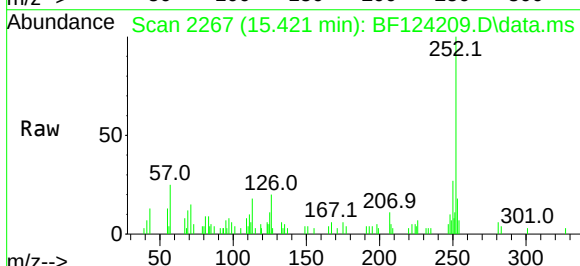
Tgt Ion:252 Resp: 12725

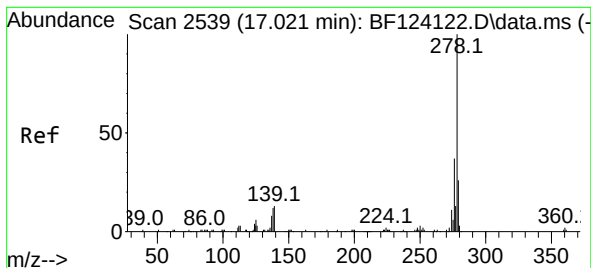
Ion Ratio Lower Upper

252 100

253 18.5 18.4 27.6

125 10.8 8.0 12.0

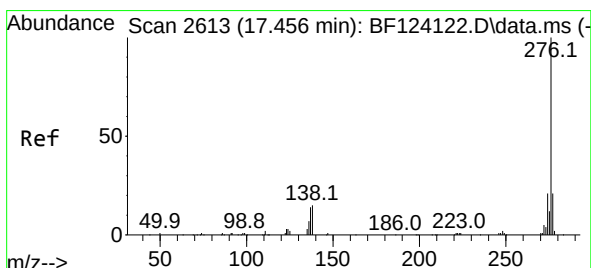
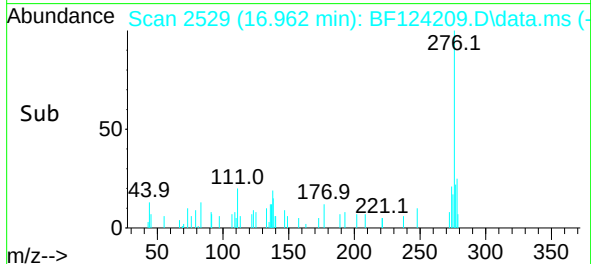
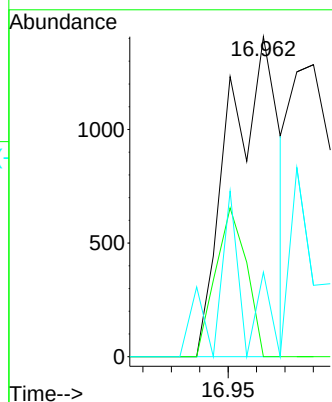
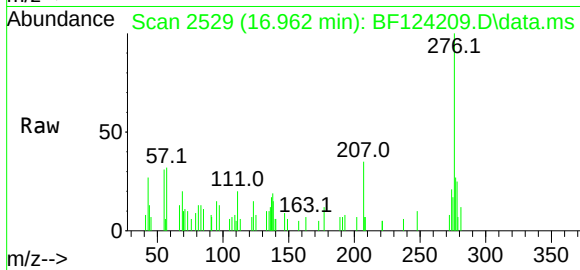




#91
Dibenzo(a,h)anthracene
Concen: 4.449 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.029 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

Tgt Ion:278 Resp: 1735
Ion Ratio Lower Upper
278 100
139 25.5 10.2 15.2#
279 26.4 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 5.284 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.023 min
Lab File: BF124209.D
Acq: 9 Jun 2021 15:14

Tgt Ion:276 Resp: 9148
Ion Ratio Lower Upper
276 100
277 26.7 18.2 27.2
138 23.6 13.8 20.6#

