

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124214.D
 Acq On : 9 Jun 2021 18:06
 Operator : JU/CG
 Sample : M2612-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(6-10)

Quant Time: Jun 10 01:54:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

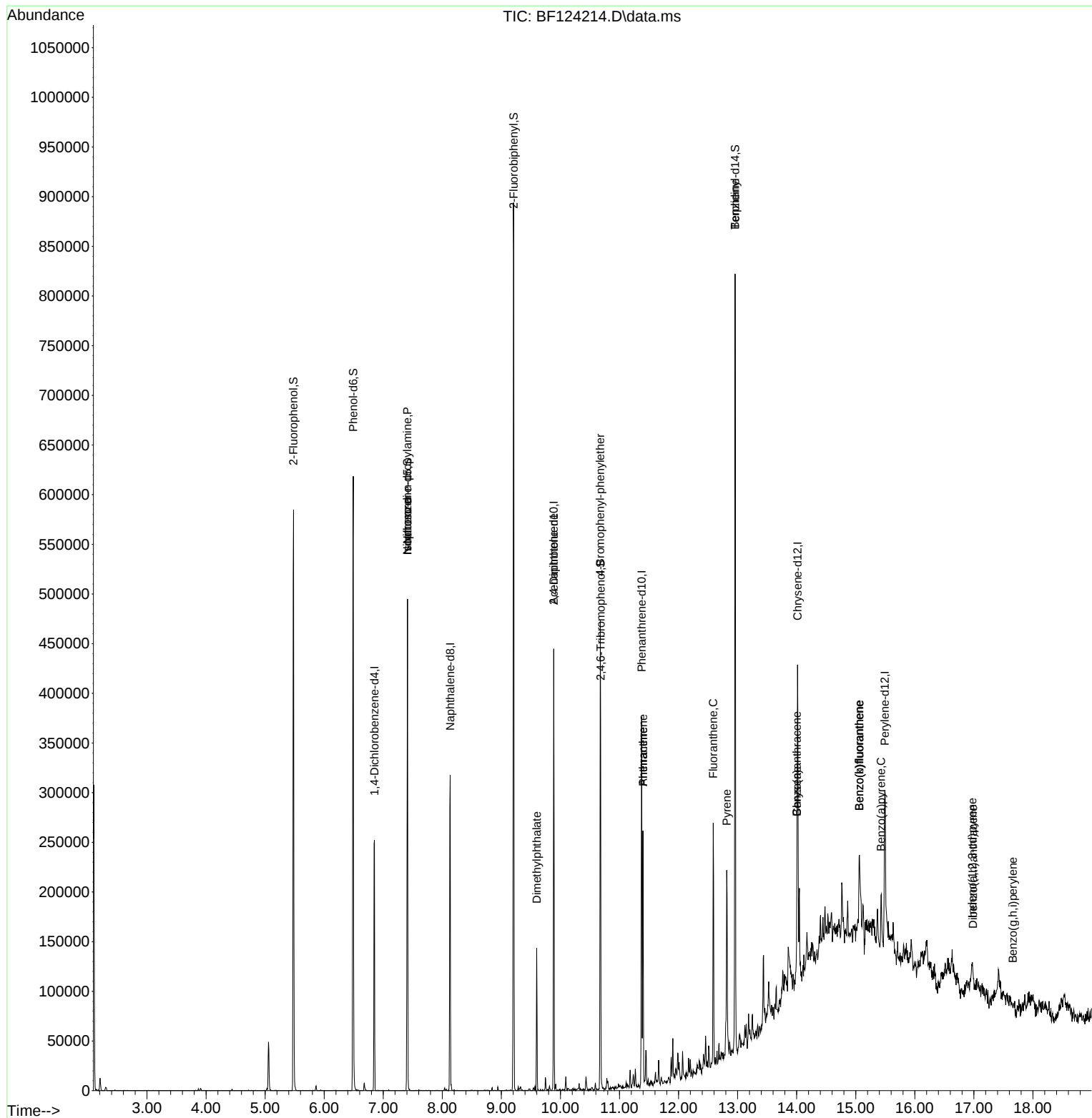
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	34552	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	125636	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	73367	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	120240	20.000	ng	0.00
76) Chrysene-d12	14.015	240	81927	20.000	ng	0.00
86) Perylene-d12	15.492	264	60368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	125559	54.703	ng	0.00
7) Phenol-d6	6.492	99	161707	52.413	ng	0.00
23) Nitrobenzene-d5	7.410	82	130660	41.247	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	45990	44.245	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	246886	42.345	ng	0.00
79) Terphenyl-d14	12.957	244	210229	35.231	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	18273	8.390	ng	# 67
25) Isophorone	7.410	82	130688	22.894	ng	# 69
50) Dimethylphthalate	9.598	163	42605	7.019	ng	# 98
57) 2,4-Dinitrotoluene	9.886	165	9504	5.178	ng	# 18
67) 4-Bromophenyl-phenylether	10.674	248	3660	2.218	ng	# 1
71) Phenanthrene	11.398	178	78418	10.440	ng	95
72) Anthracene	11.398	178	78418	10.367	ng	95
75) Fluoranthene	12.586	202	86627	10.987	ng	97
77) Benzidine	12.957	184	4047	6.001	ng	# 94
78) Pyrene	12.815	202	73929	9.397	ng	97
81) Benzo(a)anthracene	14.004	228	33402	5.597	ng	99
83) Chrysene	14.004	228	33402	5.801	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	12782	6.649	ng	# 67
88) Benzo(b)fluoranthene	15.062	252	45000	9.596	ng	# 88
89) Benzo(k)fluoranthene	15.062	252	45000	10.137	ng	# 89
90) Benzo(a)pyrene	15.427	252	22796	5.597	ng	# 92
91) Dibenzo(a,h)anthracene	16.986	278	4718	5.179	ng	# 67
92) Benzo(g,h,i)perylene	17.662	276	3083	4.478	ng	98

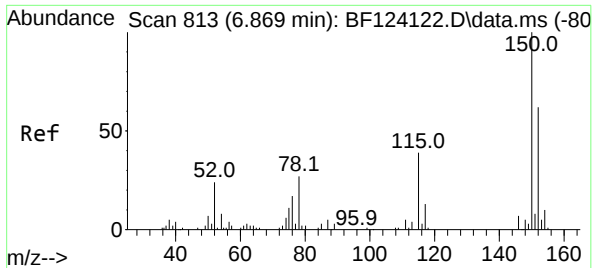
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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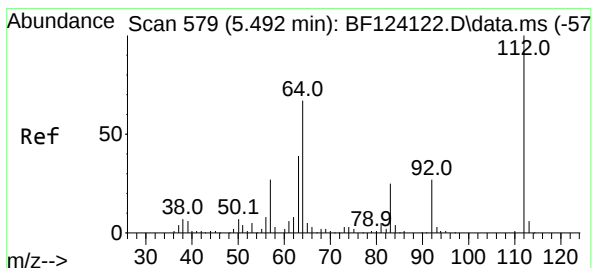
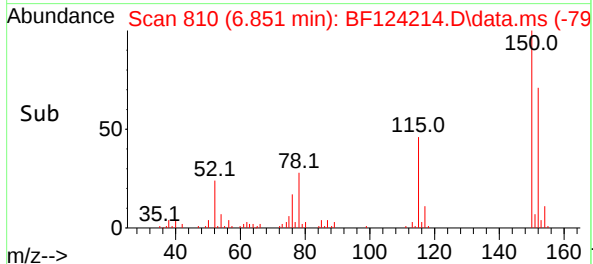
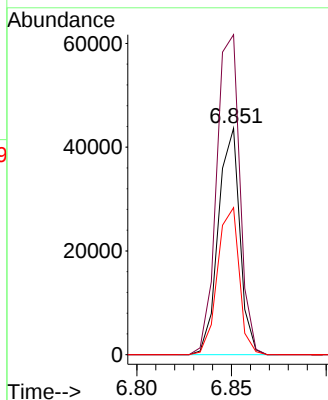
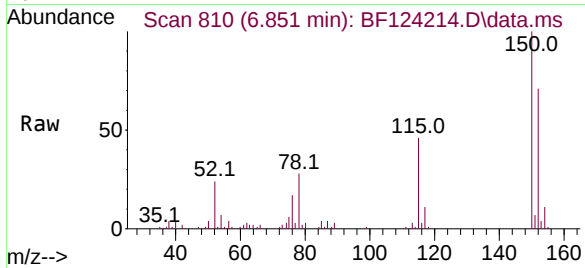




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

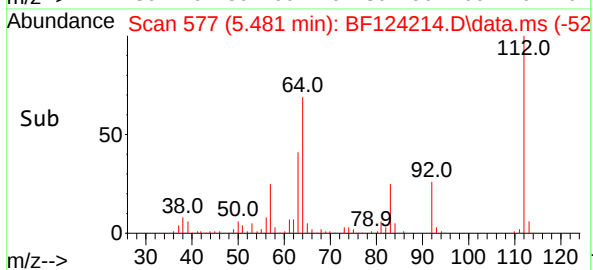
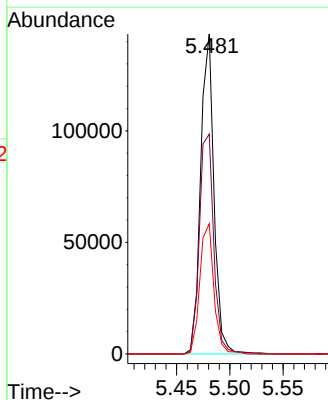
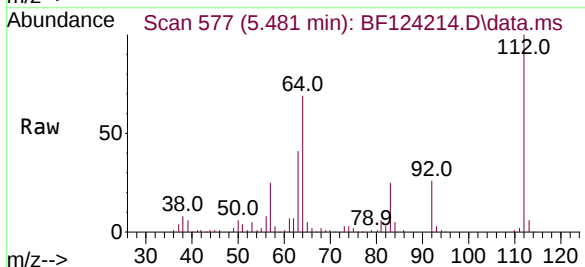
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

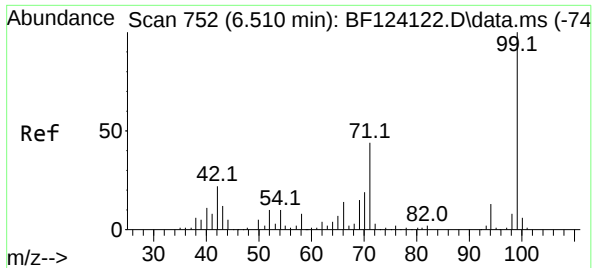
Tgt Ion:152 Resp: 34552
Ion Ratio Lower Upper
152 100
150 141.3 127.0 190.6
115 65.0 54.3 81.5



#5
2-Fluorophenol
Concen: 54.703 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:112 Resp: 125559
Ion Ratio Lower Upper
112 100
64 68.7 61.4 92.0
63 40.7 33.0 49.4

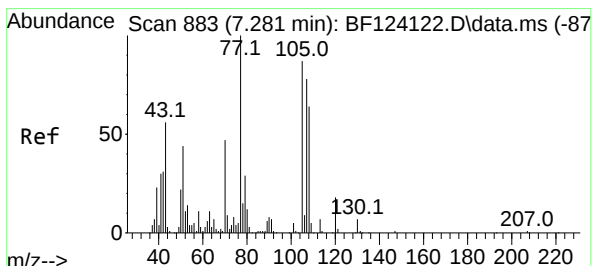
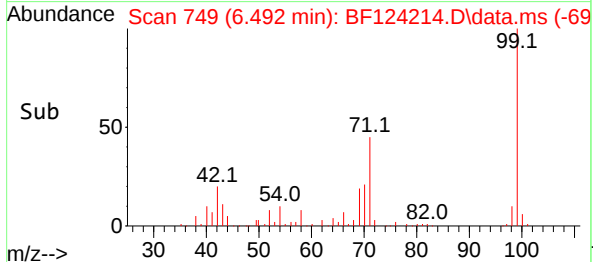
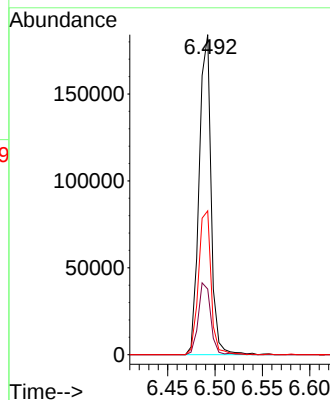
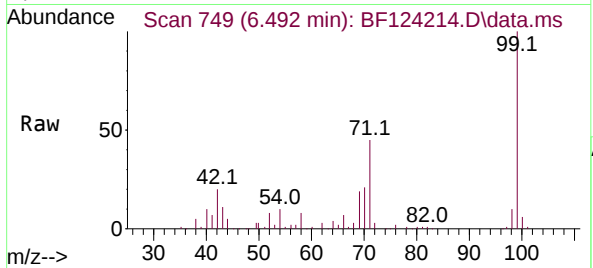




#7
Phenol-d6
Concen: 52.413 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

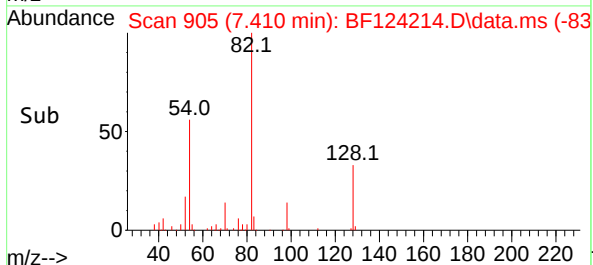
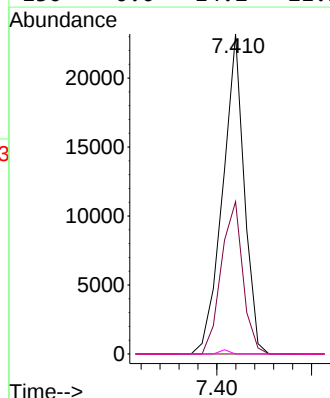
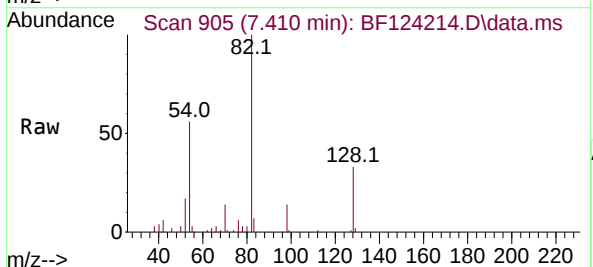
Instrument :
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ClientSampleId :
18-B12(6-10)

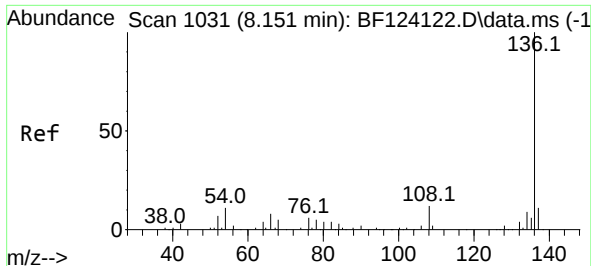
Tgt Ion: 99 Resp: 161707
Ion Ratio Lower Upper
99 100
42 20.5 19.8 29.8
71 45.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.390 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

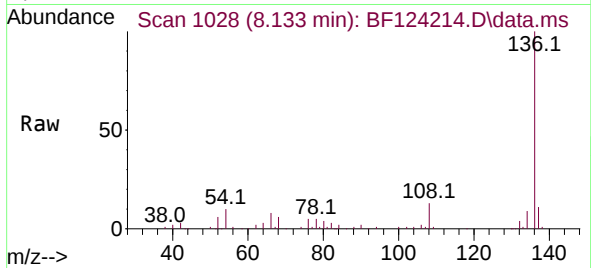
Tgt Ion: 70 Resp: 18273
Ion Ratio Lower Upper
70 100
42 47.6 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



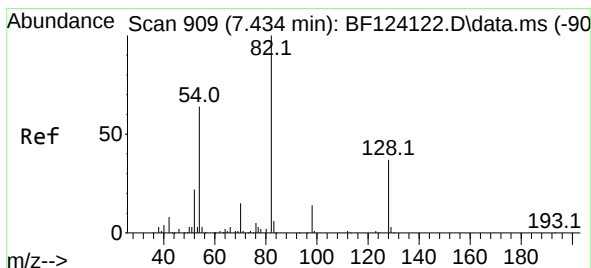
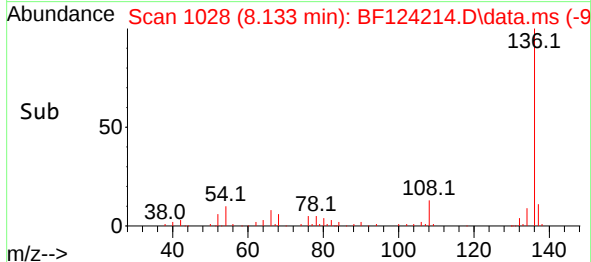
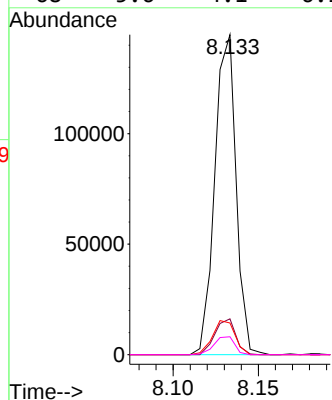


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

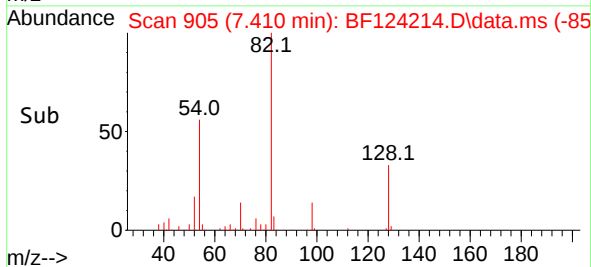
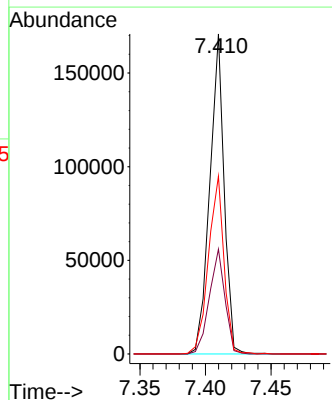
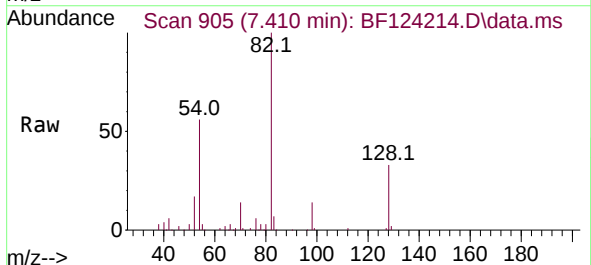


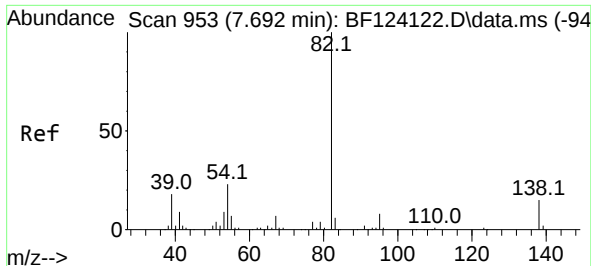
Tgt Ion:136 Resp: 125636
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.9 9.8 14.6
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 41.247 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion: 82 Resp: 130660
Ion Ratio Lower Upper
82 100
128 32.7 29.4 44.2
54 55.6 54.1 81.1

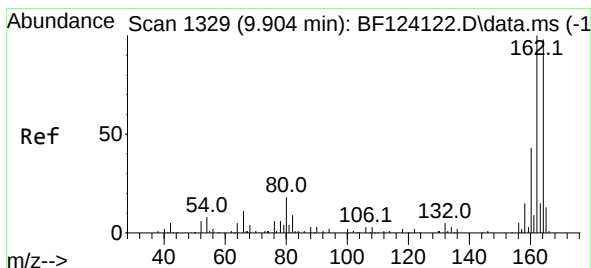
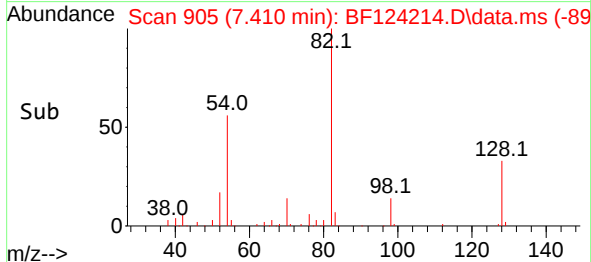
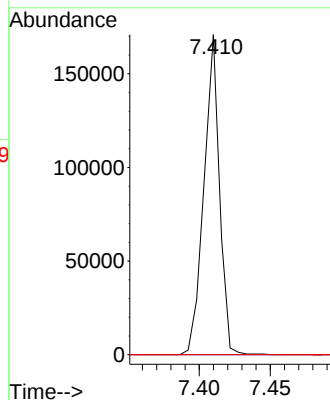
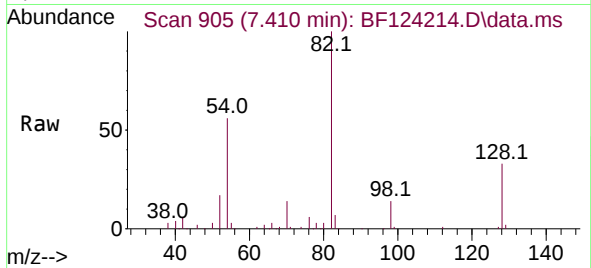




#25
Isophorone
Concen: 22.894 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

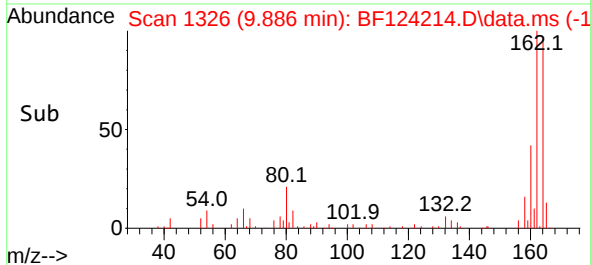
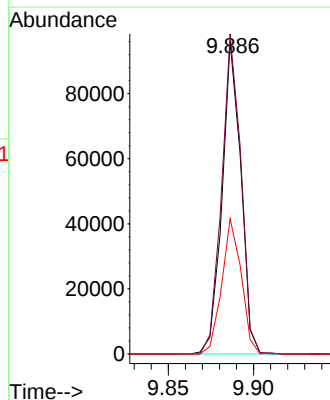
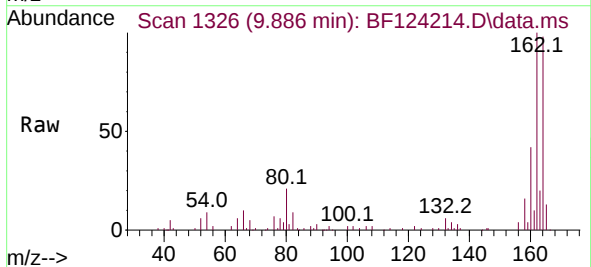
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

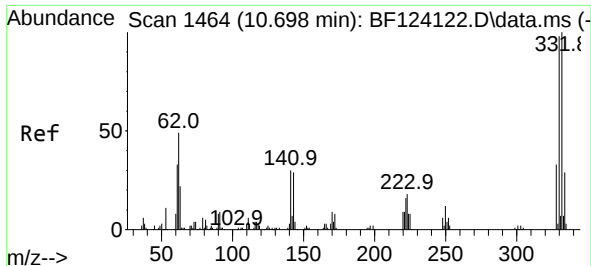
Tgt Ion: 82 Resp: 130688
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion: 164 Resp: 73367
Ion Ratio Lower Upper
164 100
162 102.4 80.7 121.1
160 43.3 37.3 55.9

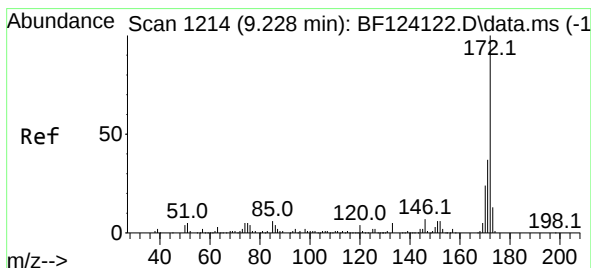
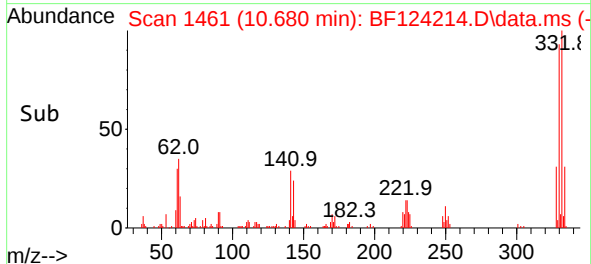
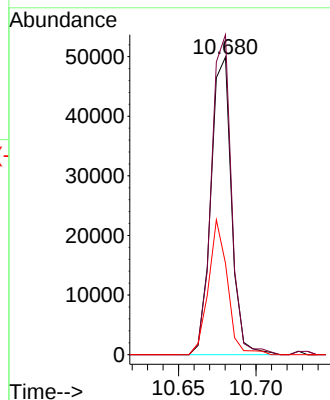
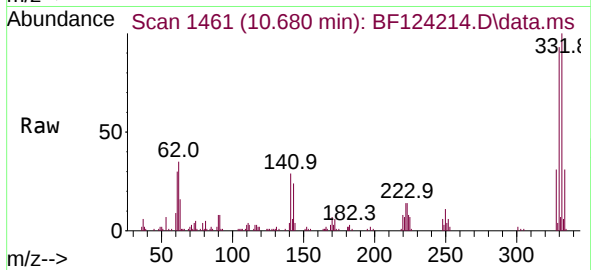




#42
2,4,6-Tribromophenol
Concen: 44.245 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

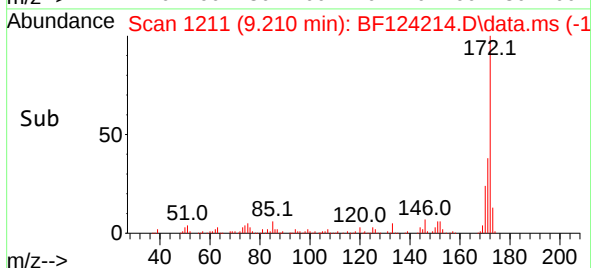
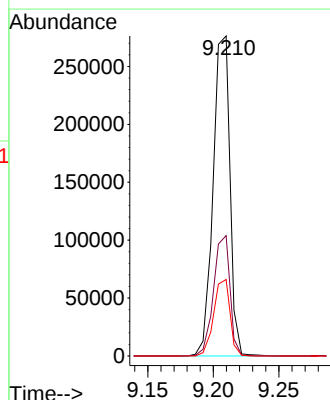
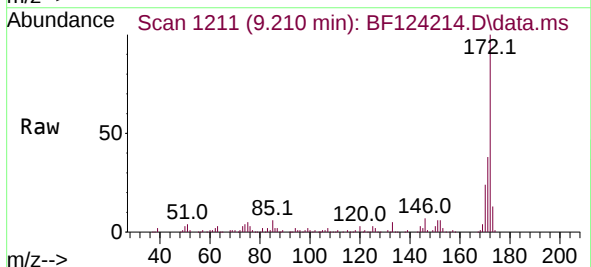
Instrument :
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ClientSampleId :
18-B12(6-10)

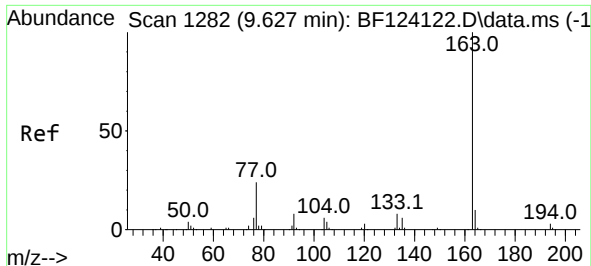
Tgt Ion: 330 Resp: 45990
Ion Ratio Lower Upper
330 100
332 105.2 77.1 115.7
141 41.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 42.345 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion: 172 Resp: 246886
Ion Ratio Lower Upper
172 100
171 37.6 28.1 42.1
170 23.9 19.2 28.8

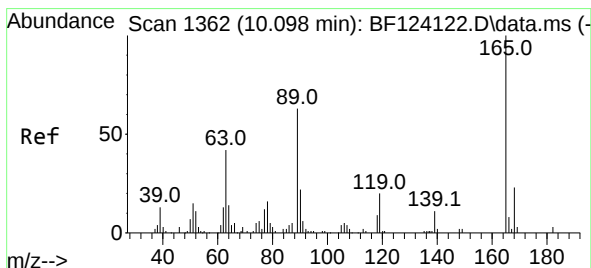
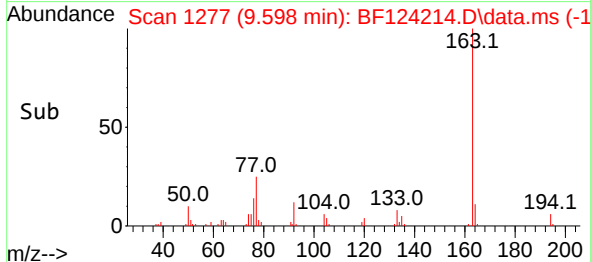
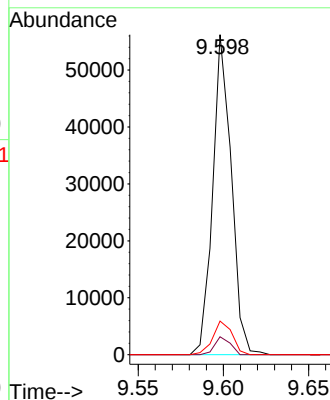
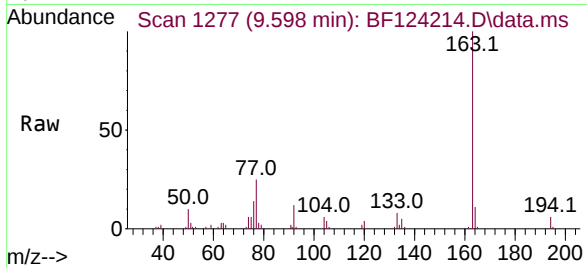




#50
Dimethylphthalate
Concen: 7.019 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

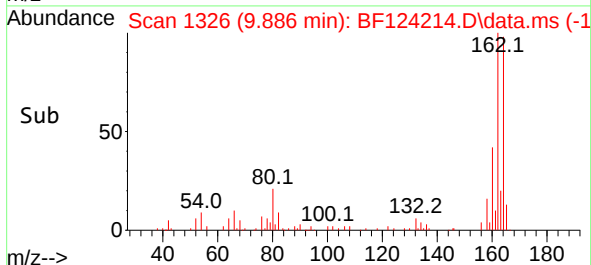
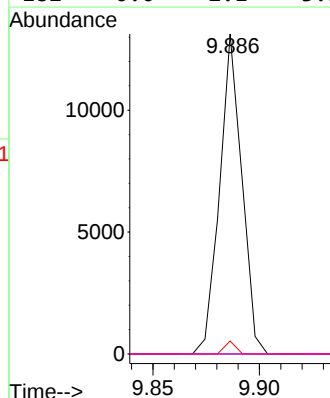
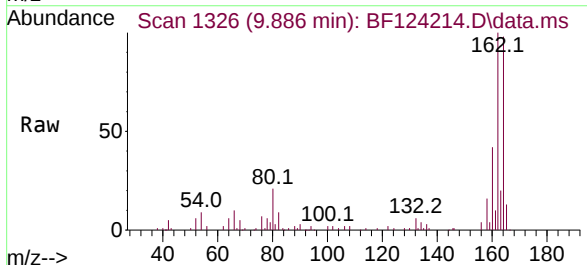
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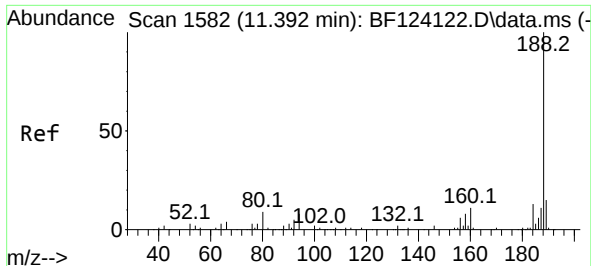
Tgt Ion:163 Resp: 42605
Ion Ratio Lower Upper
163 100
194 5.6 3.1 4.7#
164 10.5 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 5.178 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:165 Resp: 9504
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.1 67.7 101.5#
182 0.0 2.1 3.1#

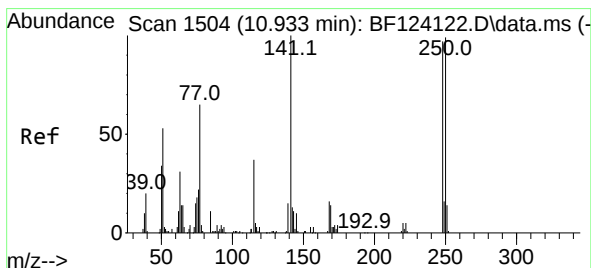
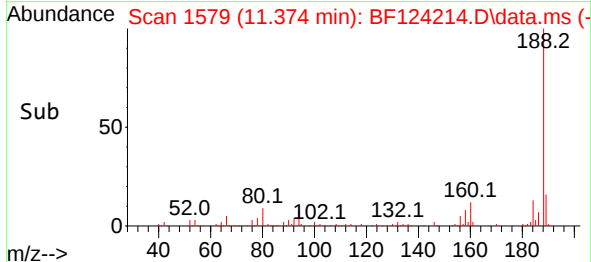
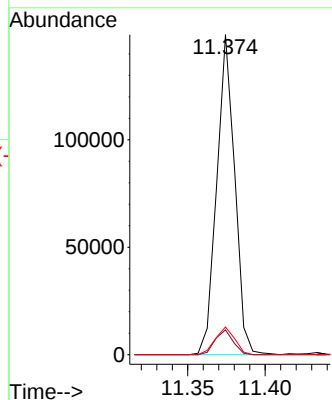
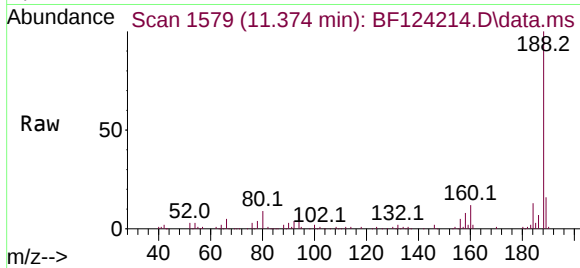




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

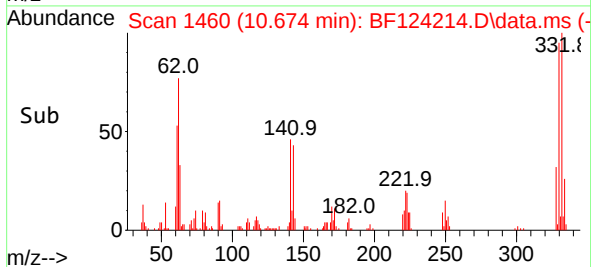
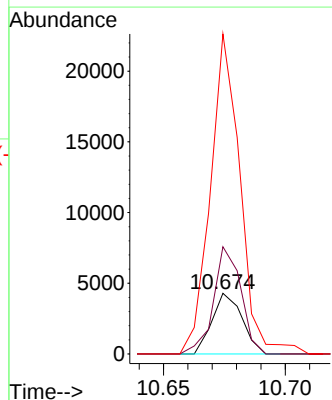
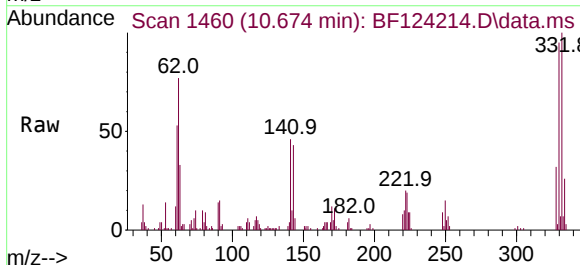
Instrument :
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18-B12(6-10)

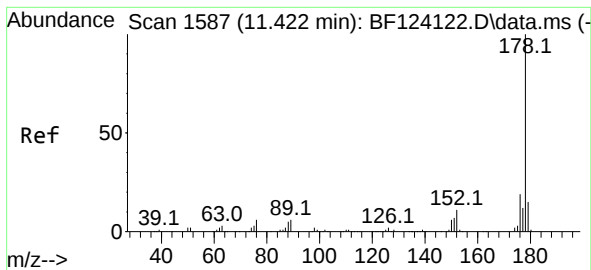
Tgt Ion:188 Resp: 120240
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 8.7 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.218 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:248 Resp: 3660
Ion Ratio Lower Upper
248 100
250 228.8 77.4 116.2#
141 527.8 63.7 95.5#

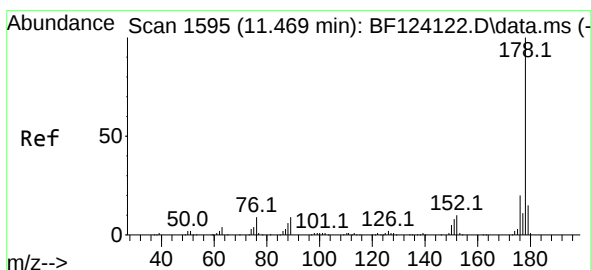
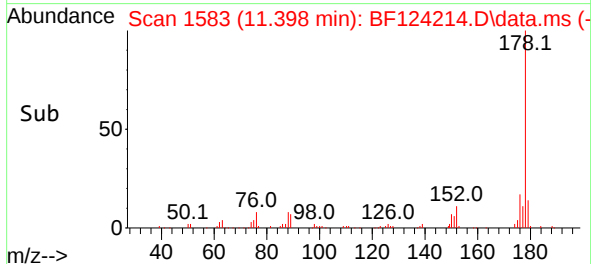
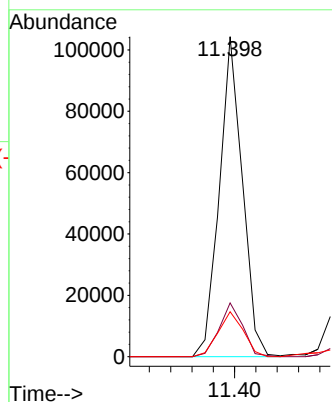
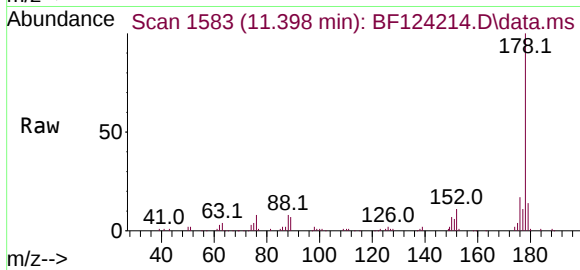




#71
Phenanthrene
Concen: 10.440 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

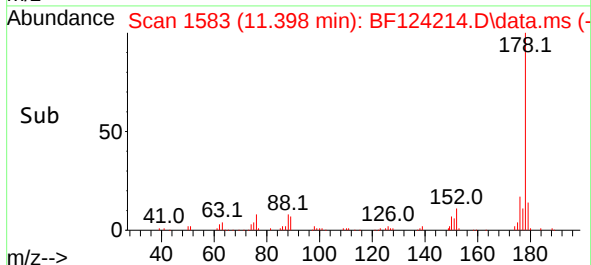
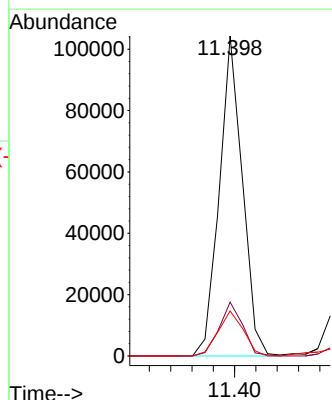
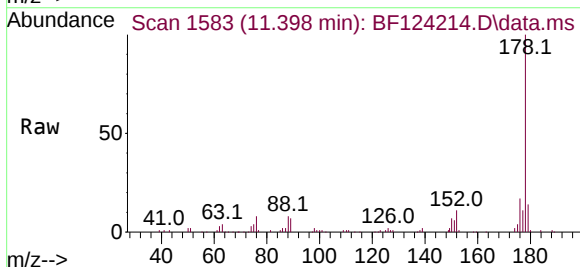
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

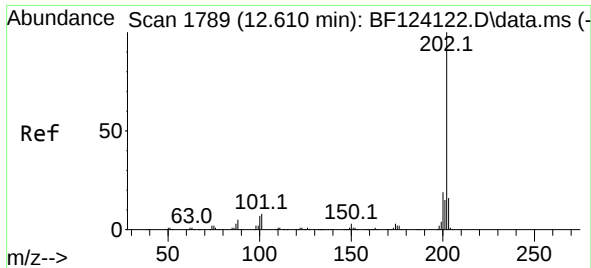
Tgt Ion:178 Resp: 78418
Ion Ratio Lower Upper
178 100
176 16.8 15.6 23.4
179 14.0 12.5 18.7



#72
Anthracene
Concen: 10.367 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.059 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:178 Resp: 78418
Ion Ratio Lower Upper
178 100
176 16.8 15.4 23.0
179 14.0 12.6 18.8

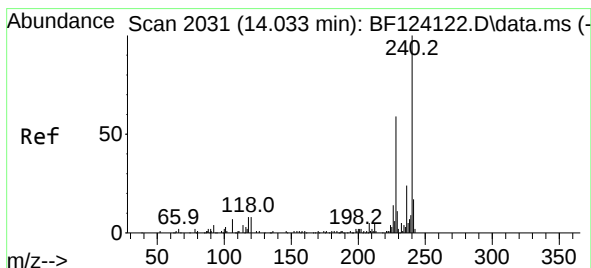
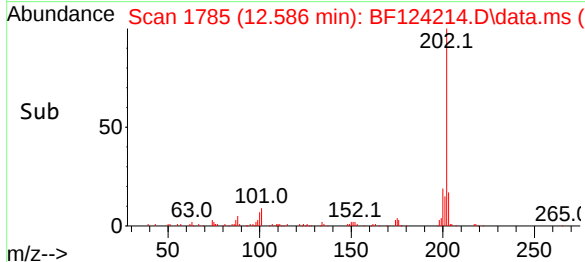
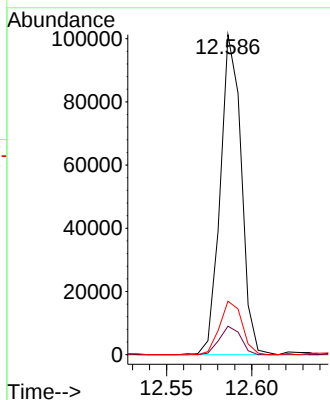
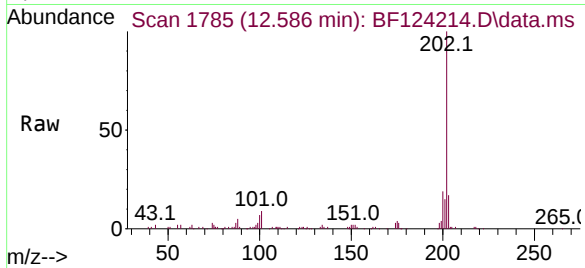




#75
Fluoranthene
Concen: 10.987 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

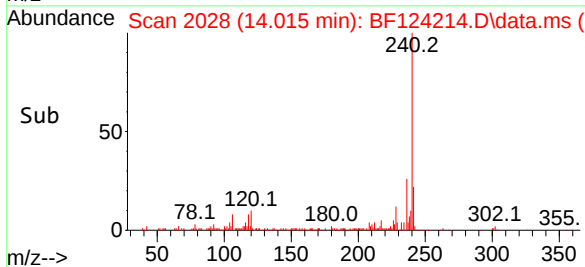
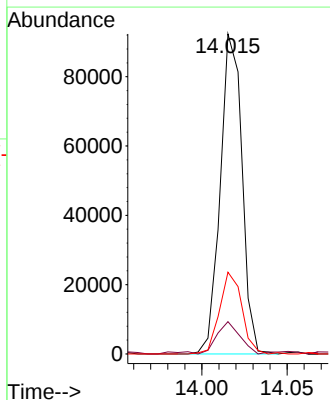
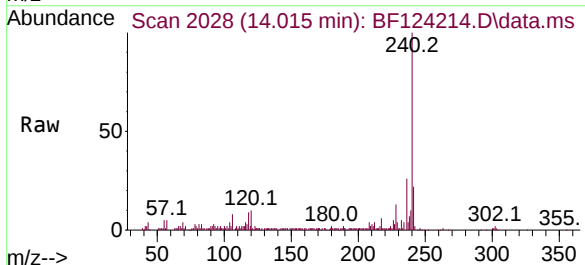
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

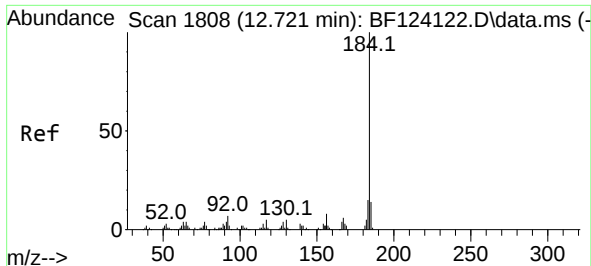
Tgt Ion:202 Resp: 86627
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.9
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:240 Resp: 81927
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 25.5 19.0 28.4

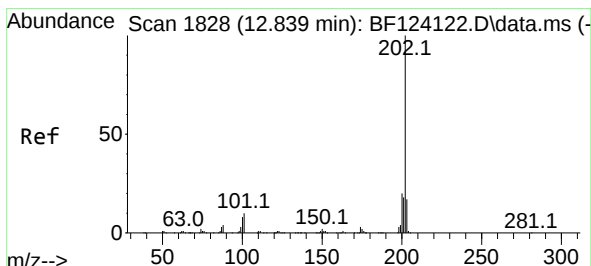
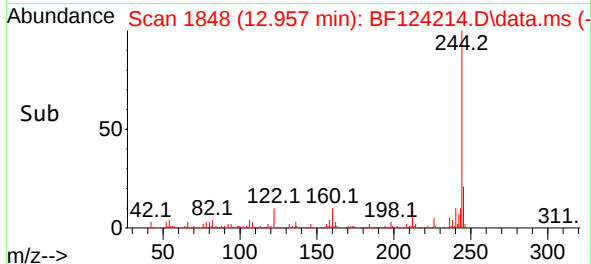
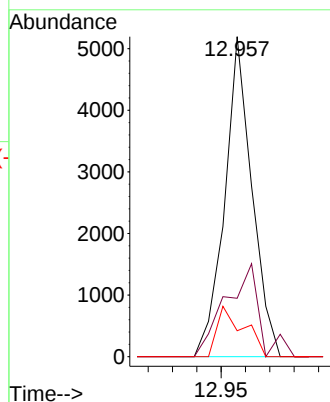
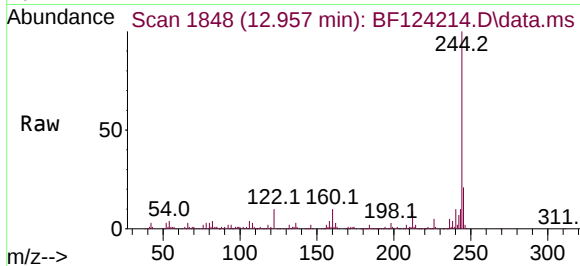




#77
Benzidine
Concen: 6.001 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.247 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

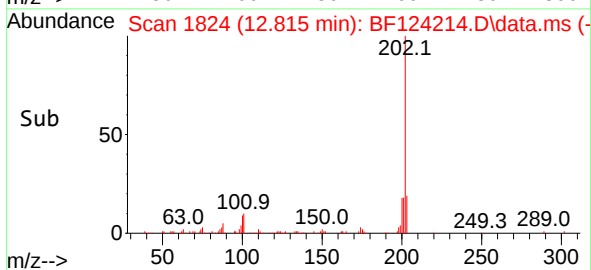
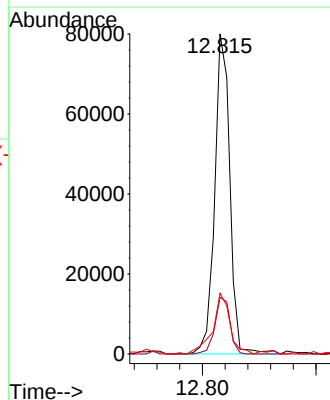
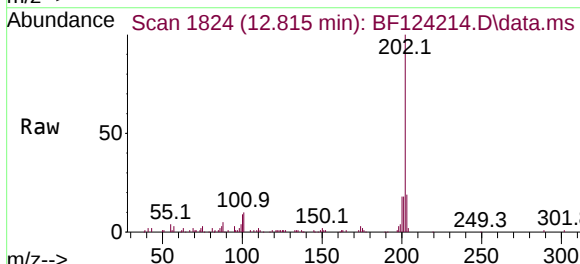
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

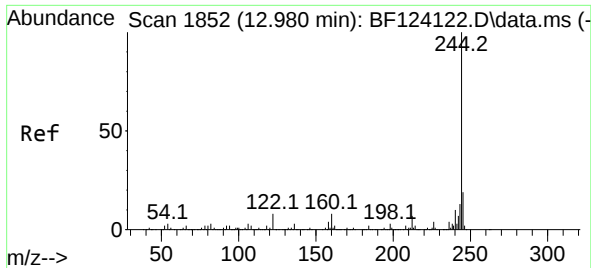
Tgt Ion:184 Resp: 4047
Ion Ratio Lower Upper
184 100
185 18.3 12.1 18.1#
183 8.1 7.8 11.8



#78
Pyrene
Concen: 9.397 ng
RT: 12.815 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:202 Resp: 73929
Ion Ratio Lower Upper
202 100
200 17.7 16.1 24.1
203 18.9 14.8 22.2

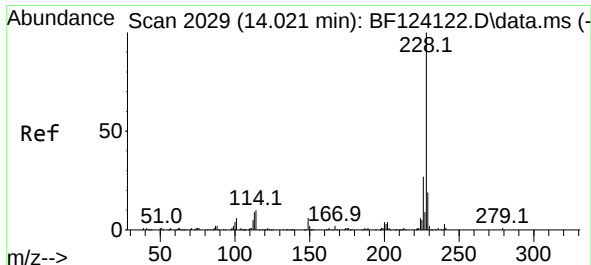
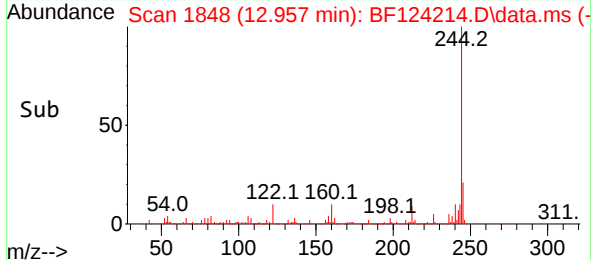
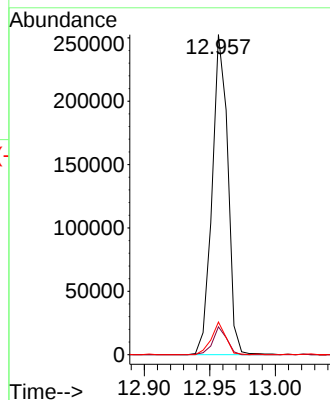
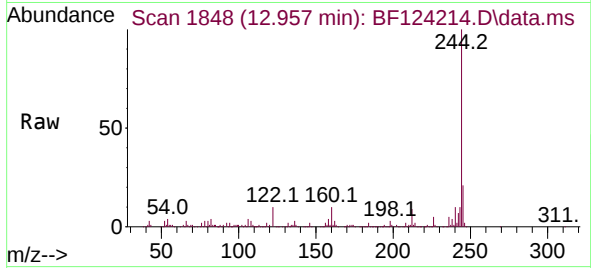




#79
Terphenyl-d14
Concen: 35.231 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

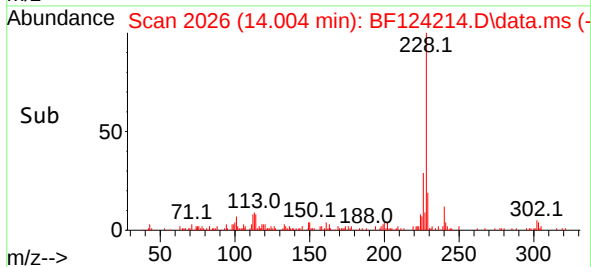
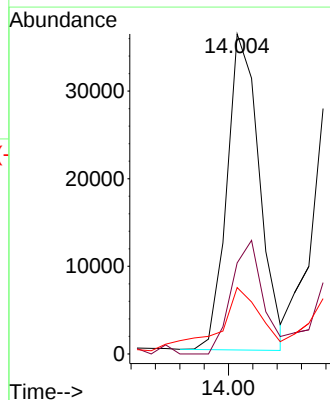
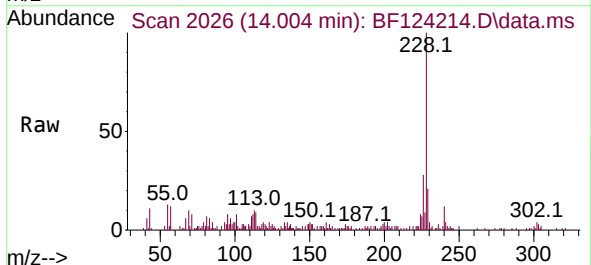
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

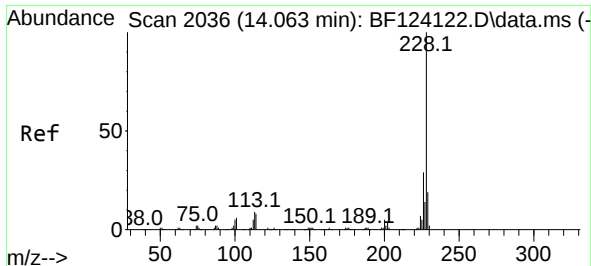
Tgt Ion:244 Resp: 210229
Ion Ratio Lower Upper
244 100
212 8.7 5.7 8.5#
122 10.2 9.7 14.5



#81
Benzo(a)anthracene
Concen: 5.597 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:228 Resp: 33402
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.8 16.0 24.0

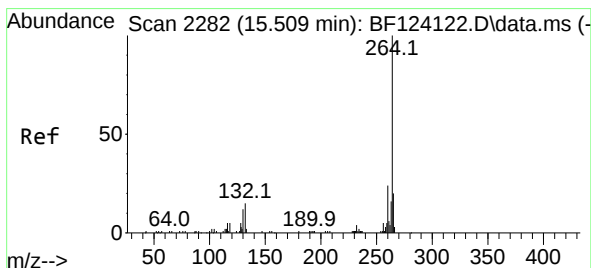
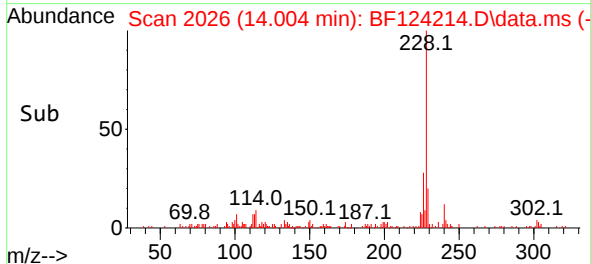
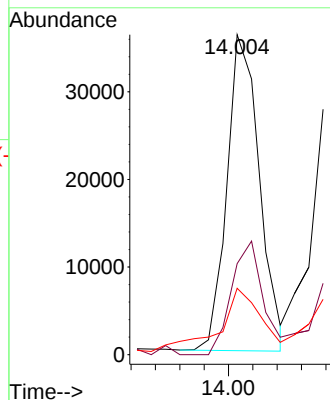
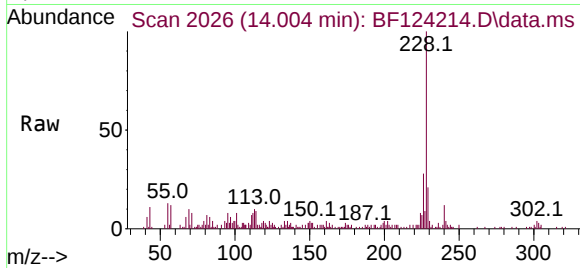




#83
Chrysene
Concen: 5.801 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.041 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

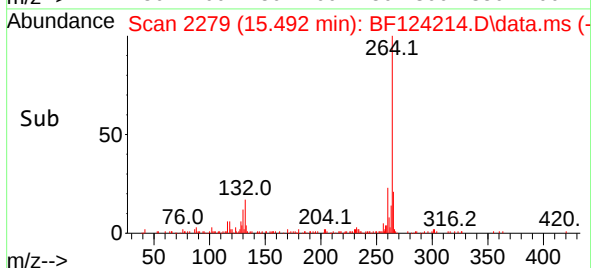
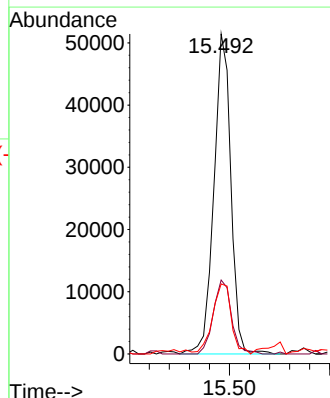
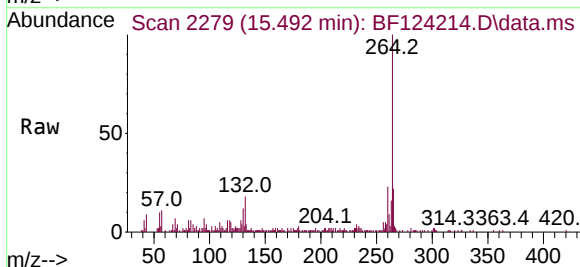
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

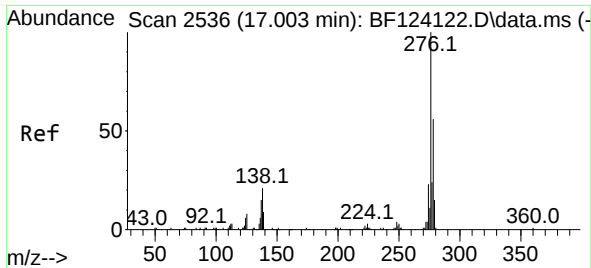
Tgt Ion:228 Resp: 33402
Ion Ratio Lower Upper
228 100
226 28.4 24.3 36.5
229 20.8 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:264 Resp: 60368
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.9 17.8 26.8

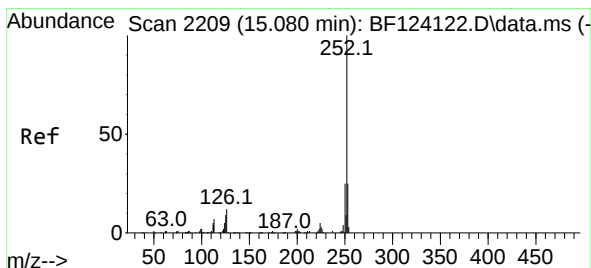
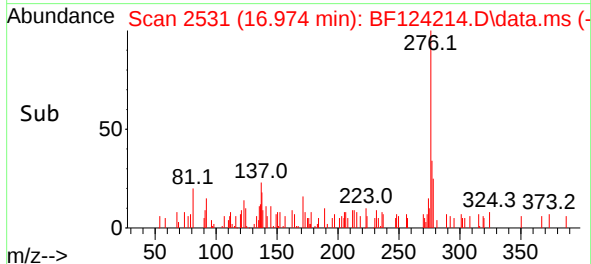
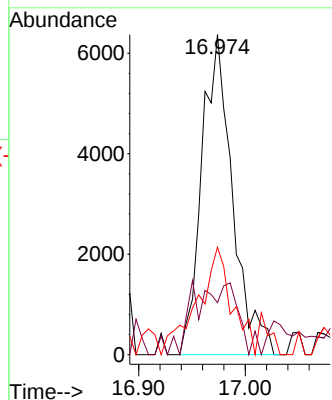
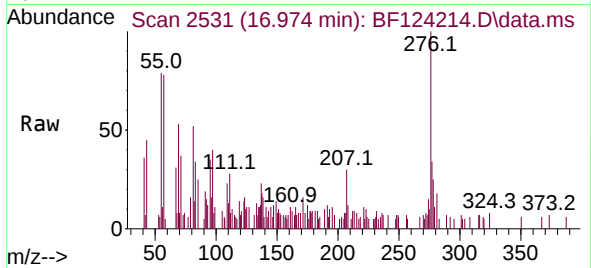




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.649 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

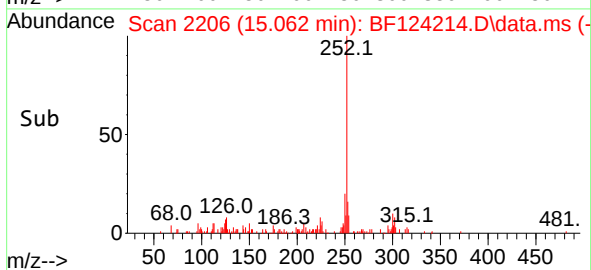
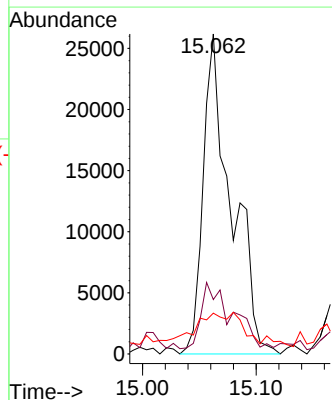
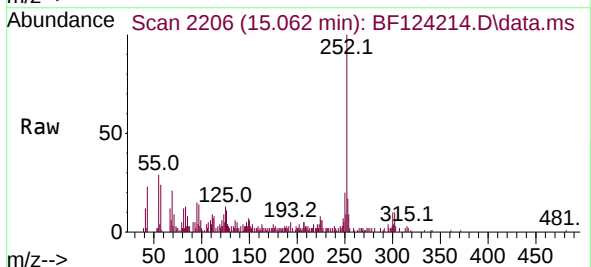
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

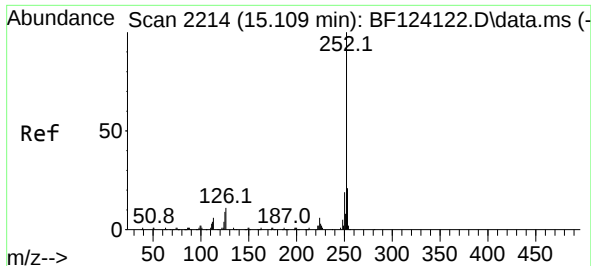
Tgt Ion:276 Resp: 12782
Ion Ratio Lower Upper
276 100
138 0.0 16.2 24.2#
277 37.6 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 9.596 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:252 Resp: 45000
Ion Ratio Lower Upper
252 100
253 17.0 18.1 27.1#
125 12.7 6.2 9.4#

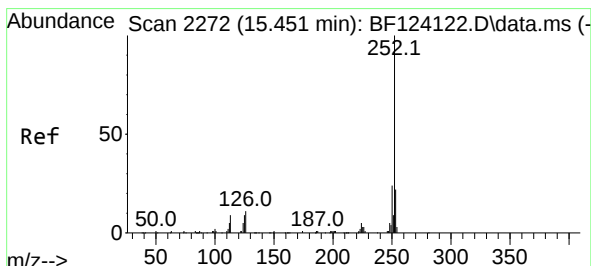
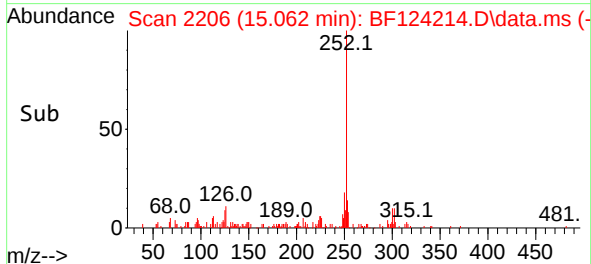
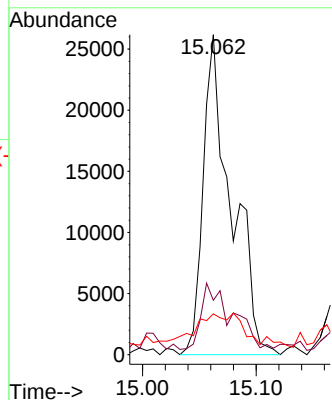
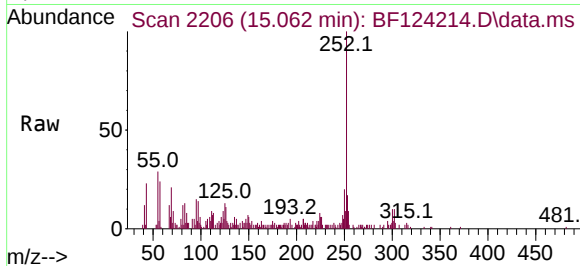




#89
Benzo(k)fluoranthene
Concen: 10.137 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

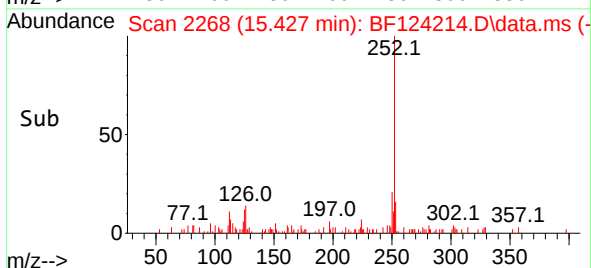
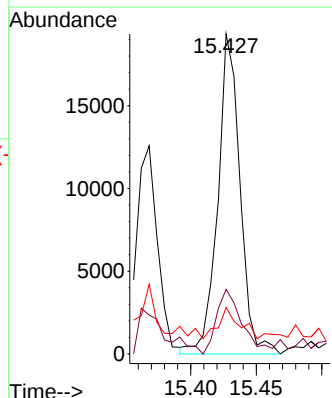
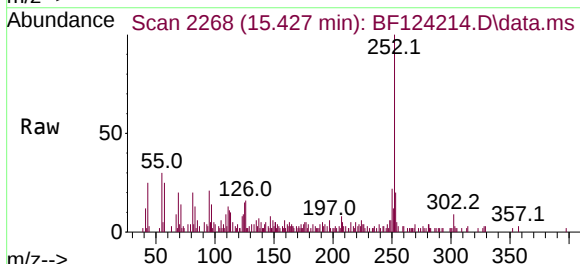
Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

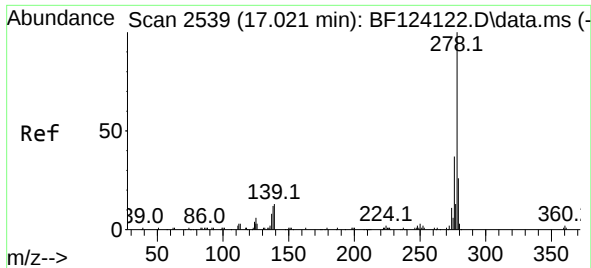
Tgt Ion:252 Resp: 45000
Ion Ratio Lower Upper
252 100
253 17.0 17.9 26.9#
125 12.7 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 5.597 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:252 Resp: 22796
Ion Ratio Lower Upper
252 100
253 20.2 18.4 27.6
125 14.5 8.0 12.0#

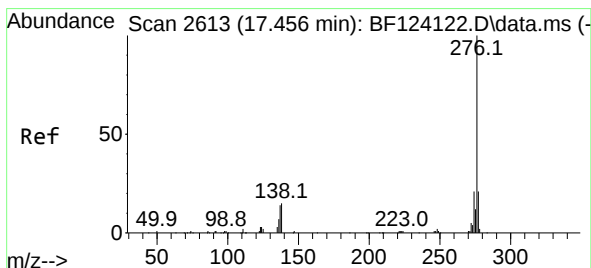
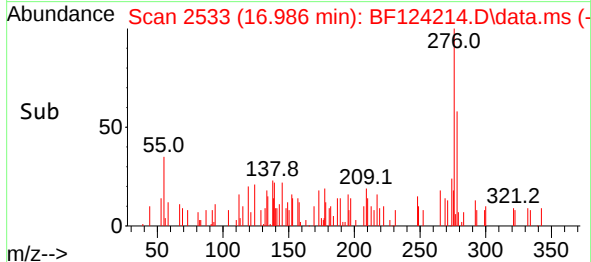
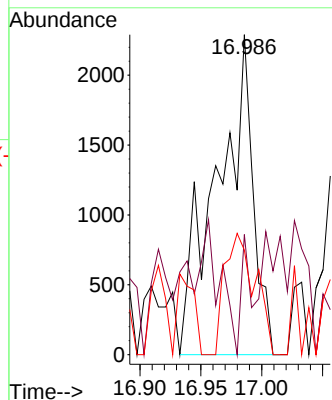
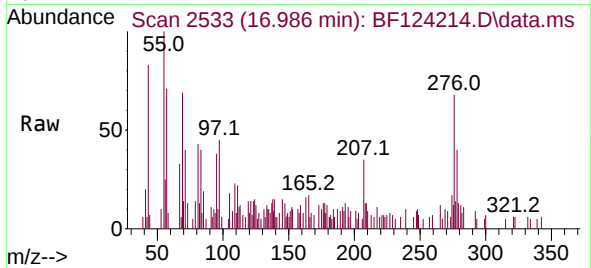




#91
Dibenzo(a,h)anthracene
Concen: 5.179 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Instrument :
BNA_F
ClientSampleId :
18-B12(6-10)

Tgt Ion:278 Resp: 4718
Ion Ratio Lower Upper
278 100
139 37.6 10.2 15.2#
279 32.7 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.478 ng
RT: 17.662 min Scan# 2648
Delta R.T. 0.229 min
Lab File: BF124214.D
Acq: 9 Jun 2021 18:06

Tgt Ion:276 Resp: 3083
Ion Ratio Lower Upper
276 100
277 21.1 18.2 27.2
138 17.8 13.8 20.6

