

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124166.D
 Acq On : 7 Jun 2021 20:20
 Operator : JU/CG
 Sample : M2589-19RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)

Quant Time: Jun 08 01:30:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

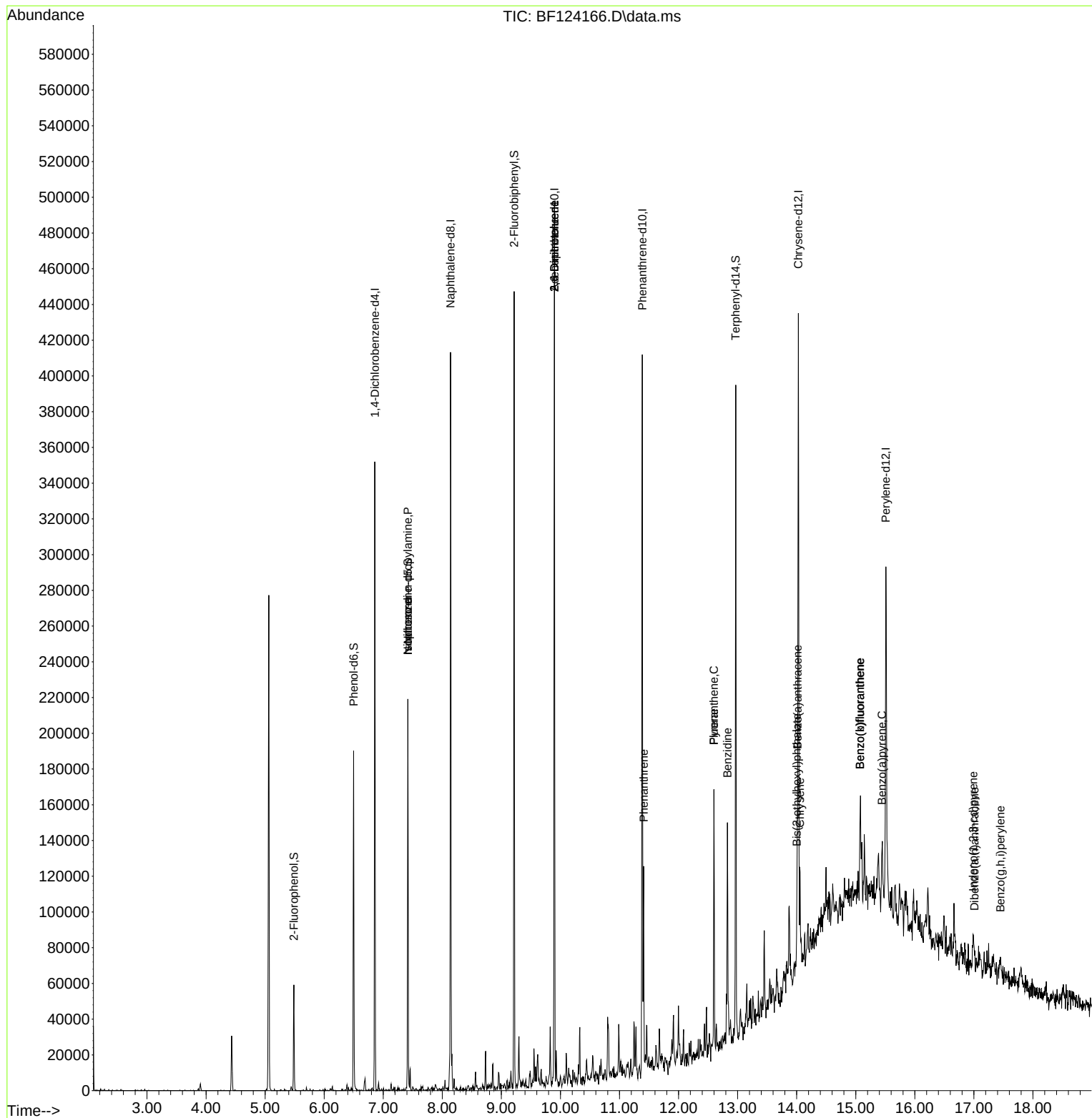
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	38757	20.00	ng	-0.01
21) Naphthalene-d8	8.139	136	148676	20.00	ng	-0.01
39) Acenaphthene-d10	9.898	164	82585	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	128822	20.00	ng	# 0.00
76) Chrysene-d12	14.027	240	97633	20.00	ng	0.00
86) Perylene-d12	15.509	264	75780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	12694	4.93	ng	0.00
7) Phenol-d6	6.498	99	45340	13.10	ng	-0.01
23) Nitrobenzene-d5	7.416	82	56261	15.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	440	0.38	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	105155	16.02	ng	-0.01
79) Terphenyl-d14	12.968	244	88352	12.42	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	7955	3.26	ng	# 72
25) Isophorone	7.416	82	56259	8.33	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	11174	7.13	ng	# 11
57) 2,4-Dinitrotoluene	9.898	165	11174	5.41	ng	# 17
71) Phenanthrene	11.410	178	37570	4.67	ng	# 94
75) Fluoranthene	12.598	202	46752	5.53	ng	97
77) Benzidine	12.827	184	249	4.16	ng	# 68
78) Pyrene	12.598	202	46752	4.99	ng	96
81) Benzo(a)anthracene	14.015	228	21810	3.07	ng	95
83) Chrysene	14.057	228	19925	2.90	ng	93
84) Bis(2-ethylhexyl)phtha...	14.004	149	11023	2.44	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.992	276	7401	5.40	ng	# 84
88) Benzo(b)fluoranthene	15.074	252	28797	4.89	ng	# 92
89) Benzo(k)fluoranthene	15.074	252	28797	5.17	ng	# 93
90) Benzo(a)pyrene	15.445	252	14241	2.79	ng	# 77
91) Dibenzo(a,h)anthracene	17.009	278	2590	4.61	ng	# 76
92) Benzo(g,h,i)perylene	17.450	276	7176	5.05	ng	# 75

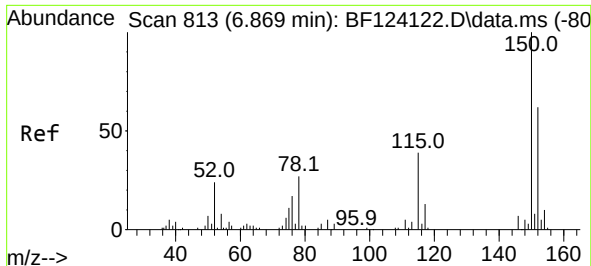
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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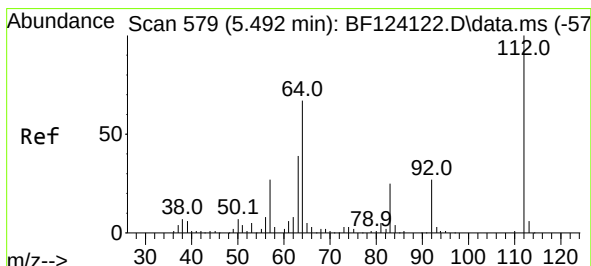
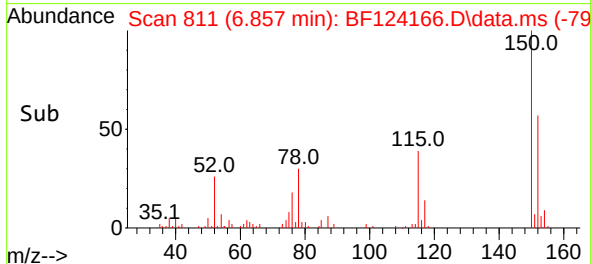
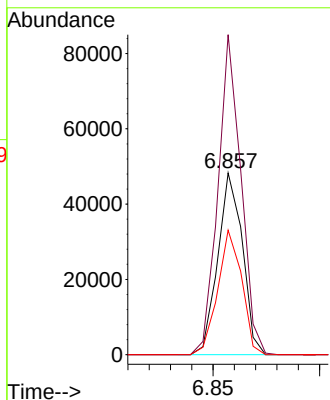
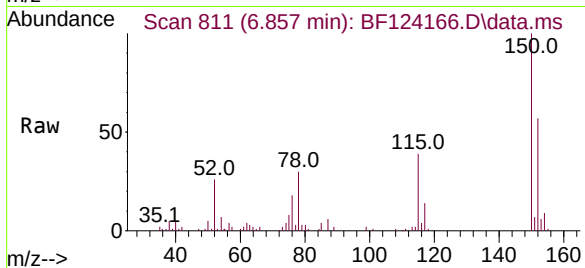




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

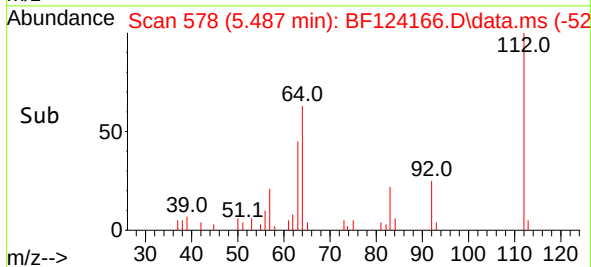
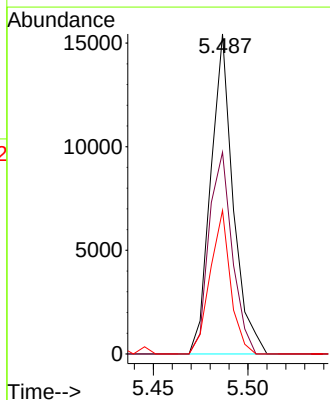
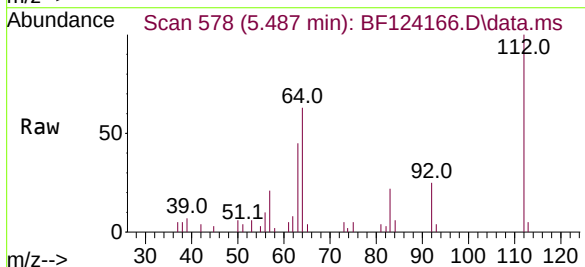
Instrument :
BNA_F
ClientSampled :
18-B12(2-4)

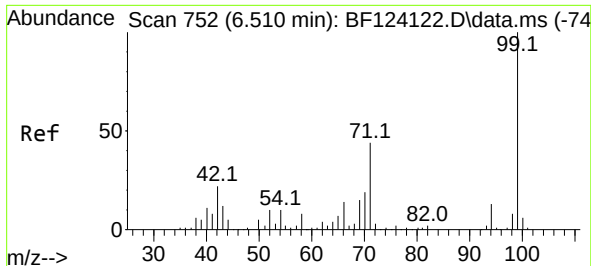
Tgt Ion:152 Resp: 38757
Ion Ratio Lower Upper
152 100
150 176.0 127.0 190.6
115 68.5 54.3 81.5



#5
2-Fluorophenol
Concen: 4.93 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:112 Resp: 12694
Ion Ratio Lower Upper
112 100
64 63.1 61.4 92.0
63 44.9 33.0 49.4

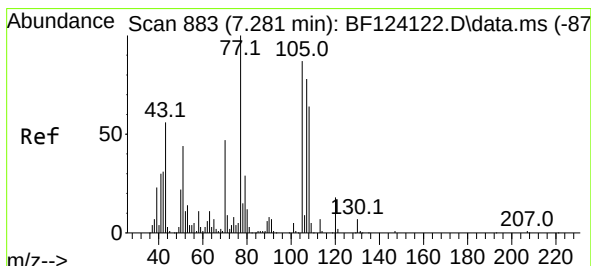
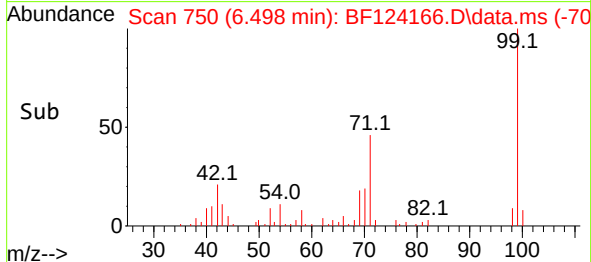
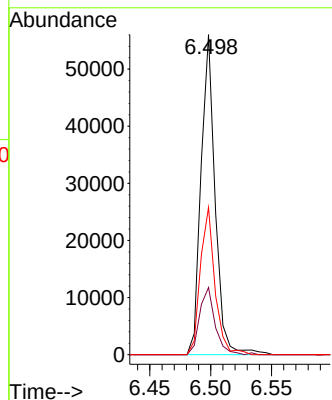
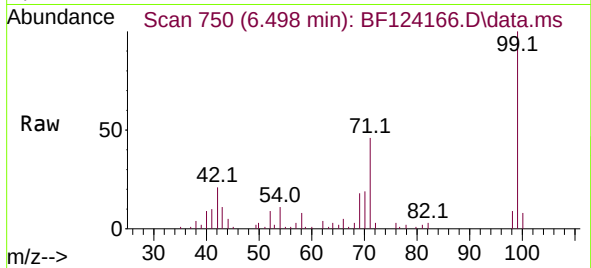




#7
Phenol-d6
Concen: 13.10 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

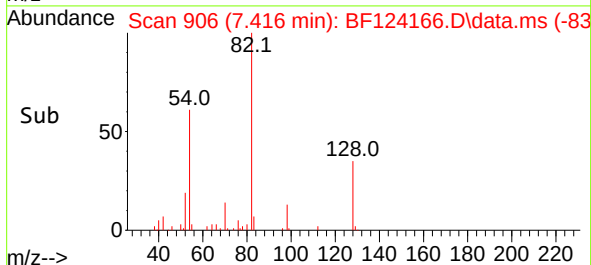
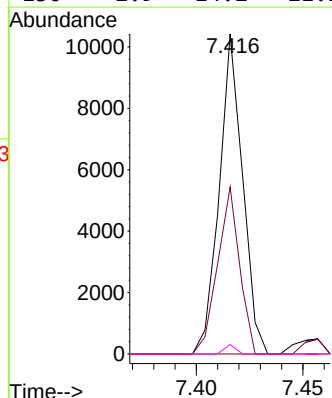
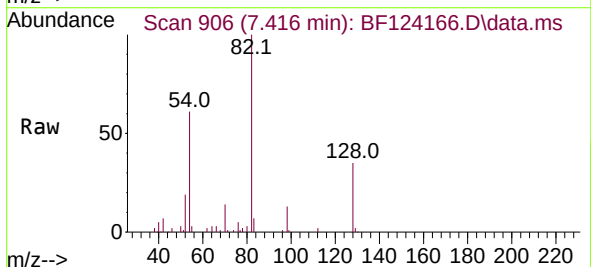
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

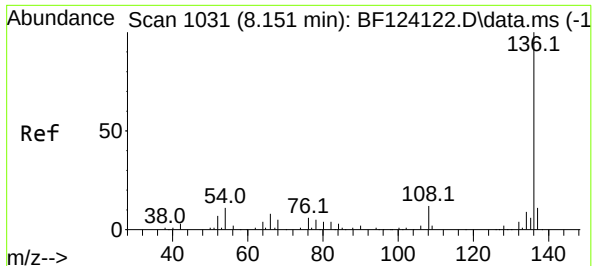
Tgt Ion: 99 Resp: 45340
Ion Ratio Lower Upper
99 100
42 21.0 19.8 29.8
71 46.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.26 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion: 70 Resp: 7955
Ion Ratio Lower Upper
70 100
42 52.2 60.1 90.1#
101 0.0 7.4 11.2#
130 2.9 14.2 21.2#

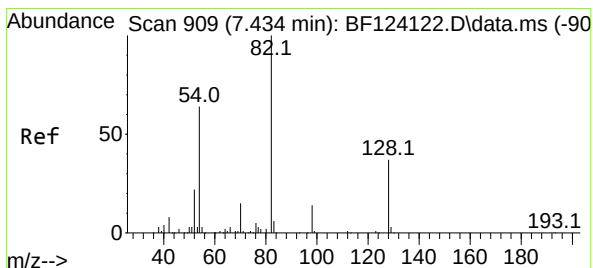
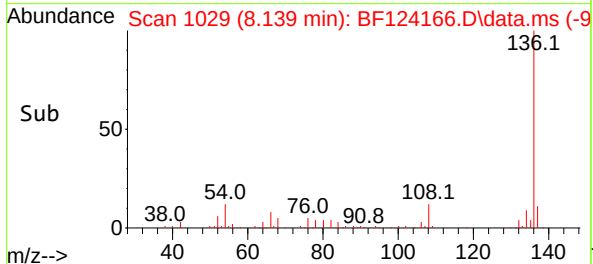
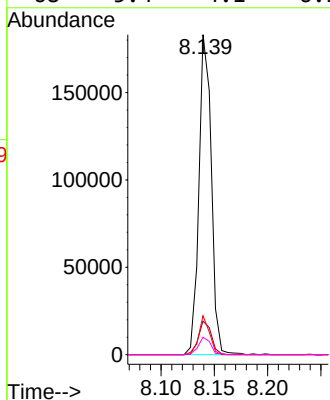
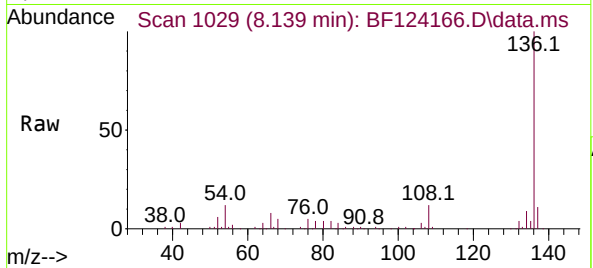




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

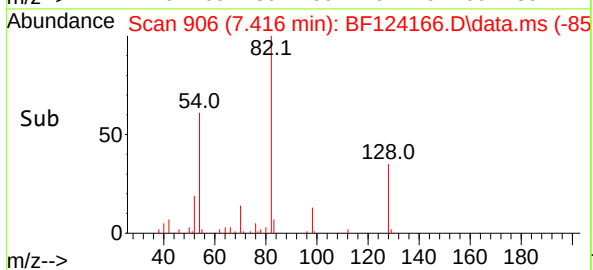
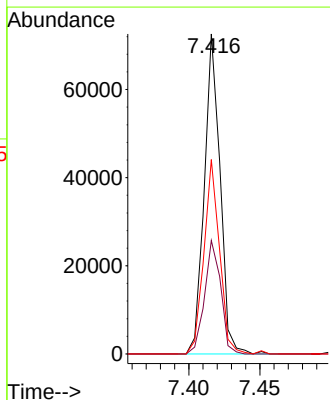
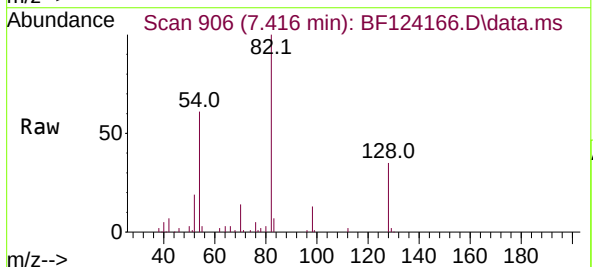
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

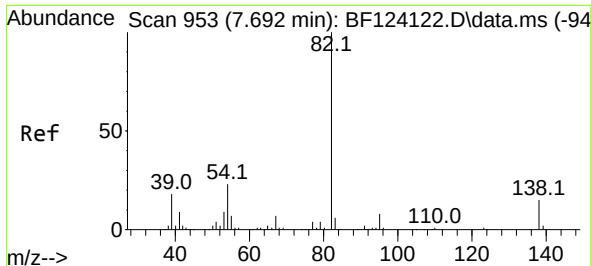
Tgt Ion:136	Resp: 148676
Ion Ratio	Lower Upper
136	100
137	10.5 8.7 13.1
54	12.1 9.8 14.6
68	5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 15.01 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion: 82	Resp: 56261
Ion Ratio	Lower Upper
82	100
128	35.5 29.4 44.2
54	60.7 54.1 81.1

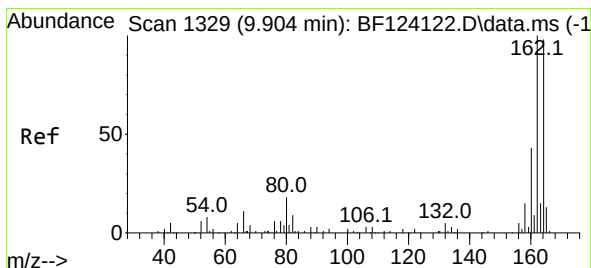
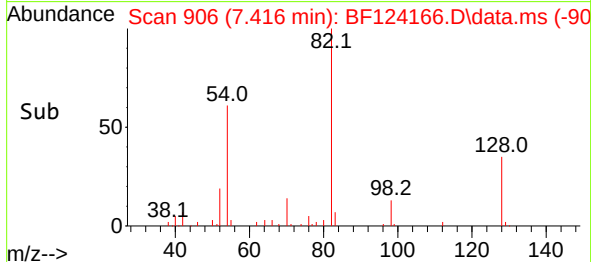
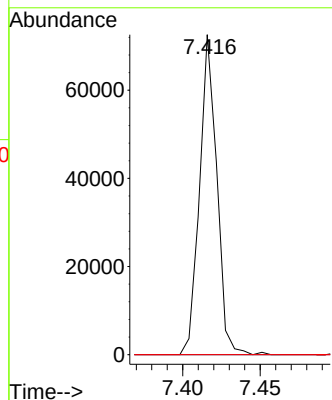
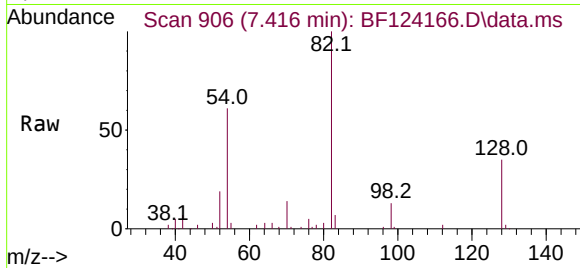




#25
Isophorone
Concen: 8.33 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.277 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

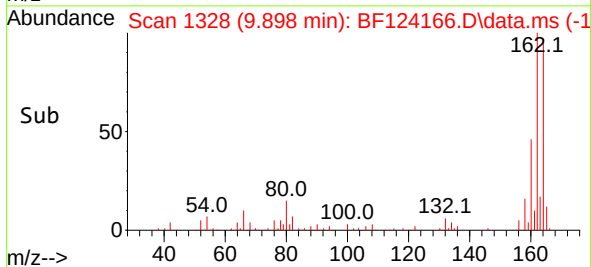
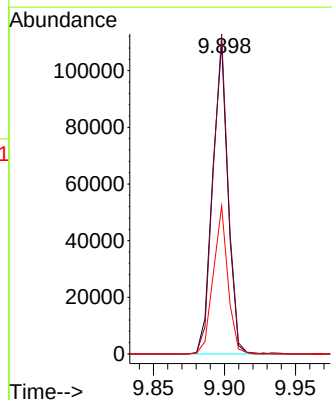
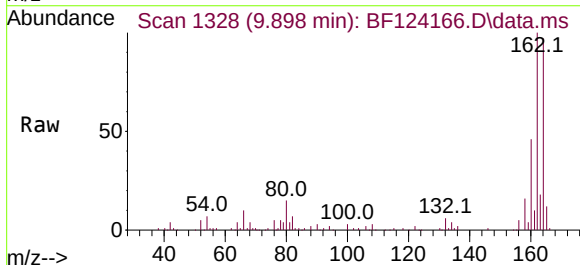
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

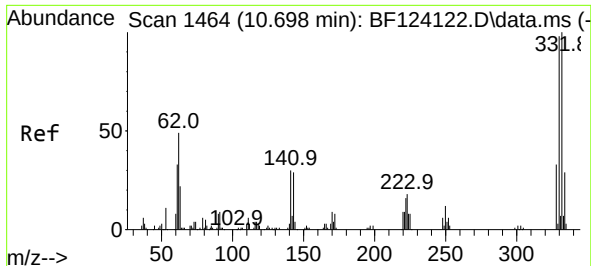
Tgt Ion: 82 Resp: 56259
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion: 164 Resp: 82585
Ion Ratio Lower Upper
164 100
162 102.9 80.7 121.1
160 47.6 37.3 55.9

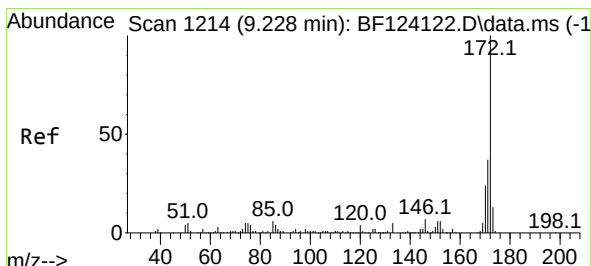
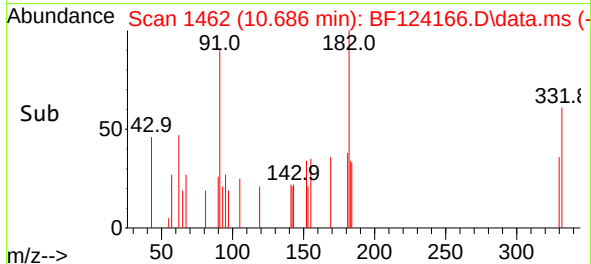
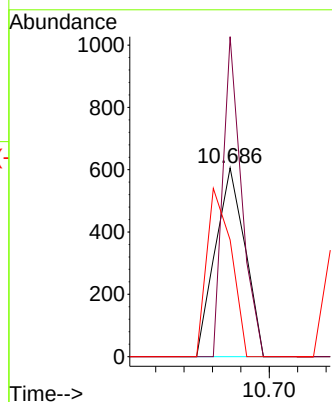
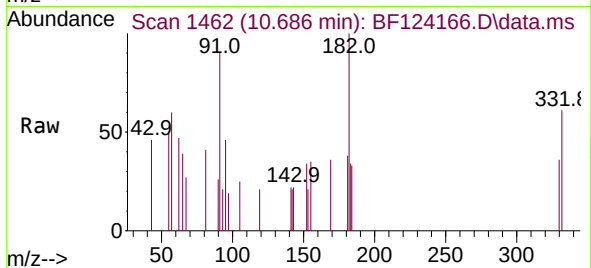




#42
2,4,6-Tribromophenol
Concen: 0.38 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

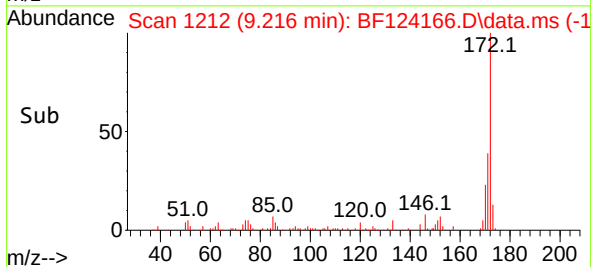
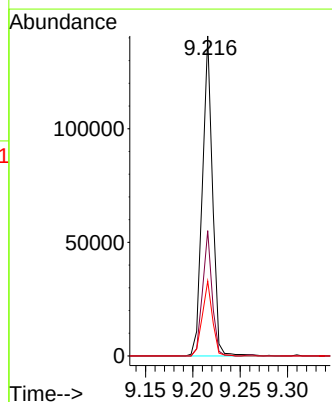
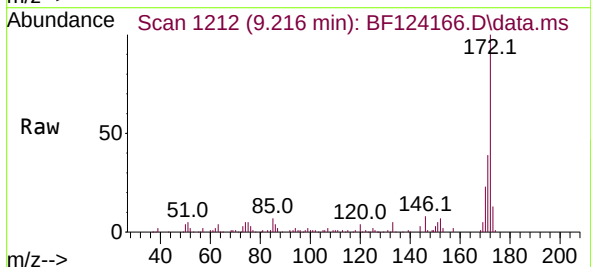
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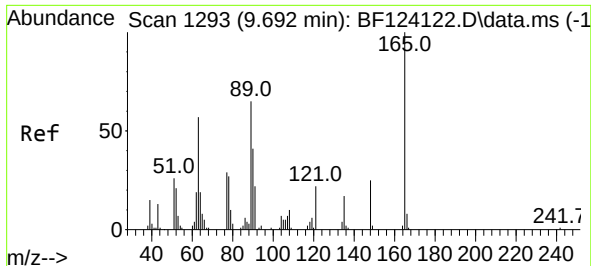
Tgt Ion:330 Resp: 440
Ion Ratio Lower Upper
330 100
332 106.6 77.1 115.7
141 73.4 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 16.02 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:172 Resp: 105155
Ion Ratio Lower Upper
172 100
171 39.2 28.1 42.1
170 23.4 19.2 28.8

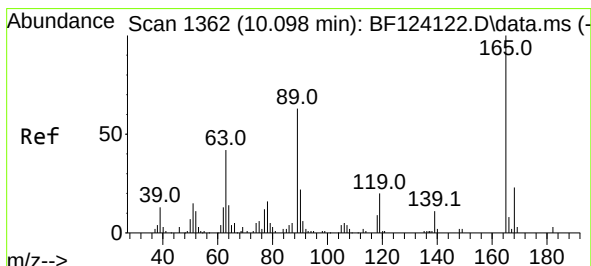
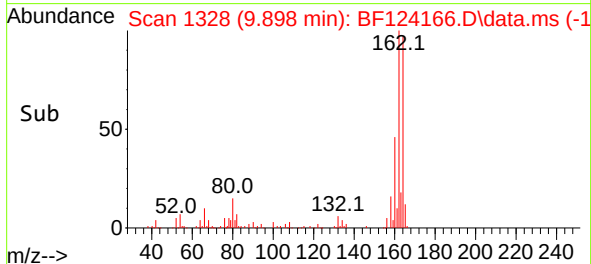
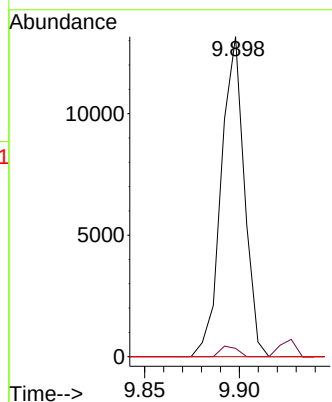
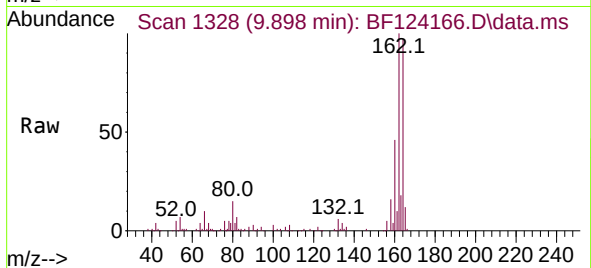




#51
2,6-Dinitrotoluene
Concen: 7.13 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

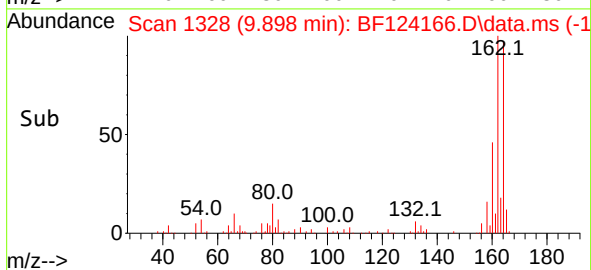
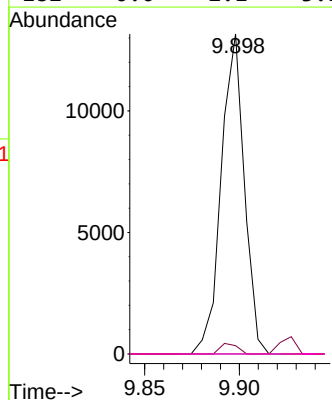
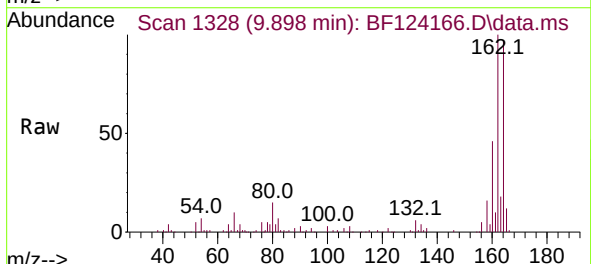
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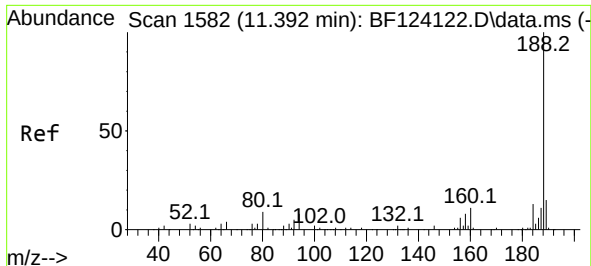
Tgt Ion:165 Resp: 11174
Ion Ratio Lower Upper
165 100
63 2.6 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.41 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:165 Resp: 11174
Ion Ratio Lower Upper
165 100
63 2.6 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

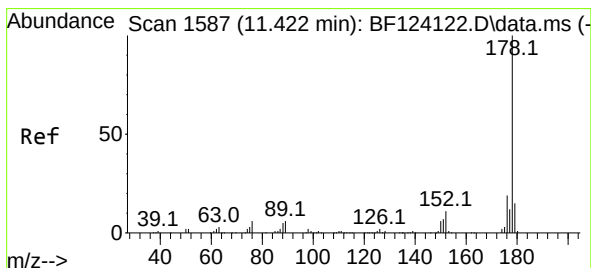
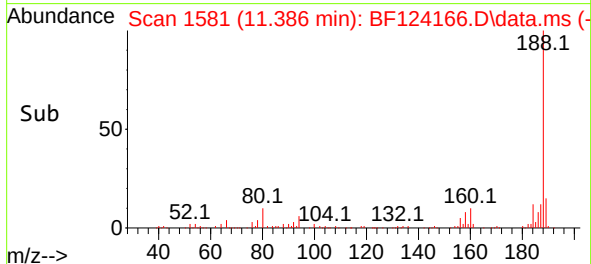
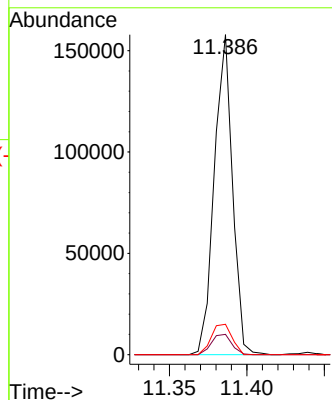
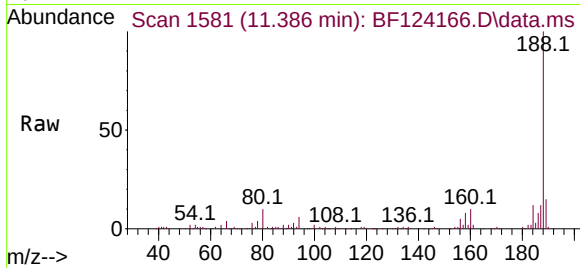




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

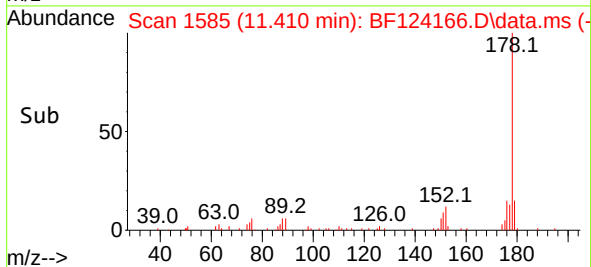
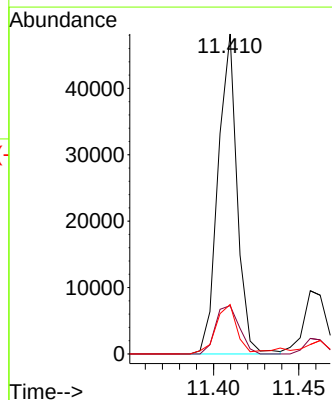
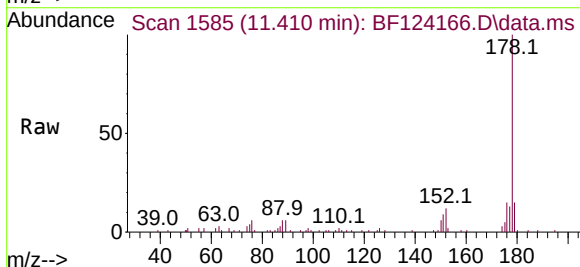
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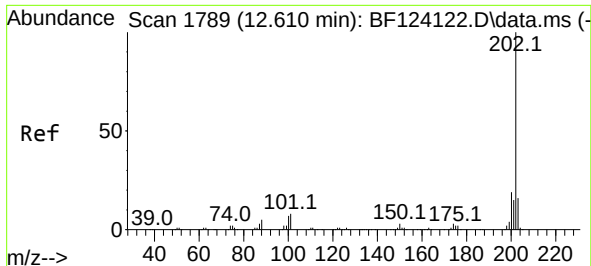
Tgt Ion:188 Resp: 128822
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 9.5 8.2 12.2



#71
Phenanthrene
Concen: 4.67 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:178 Resp: 37570
Ion Ratio Lower Upper
178 100
176 15.1 15.6 23.4#
179 15.5 12.5 18.7

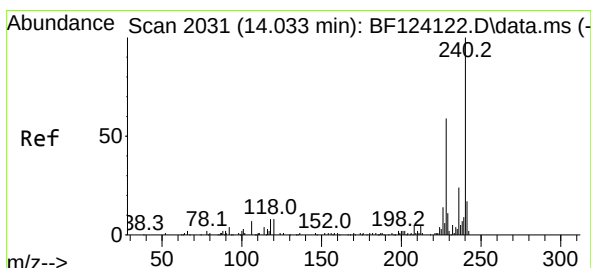
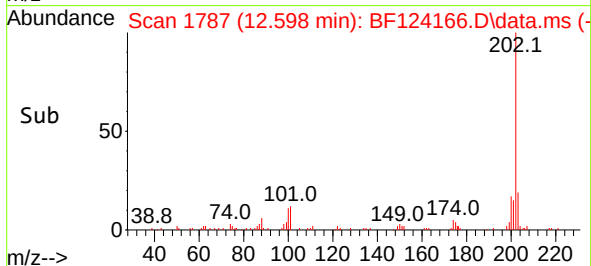
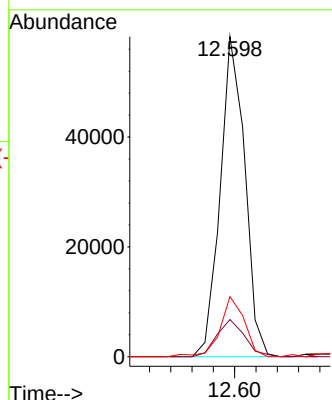
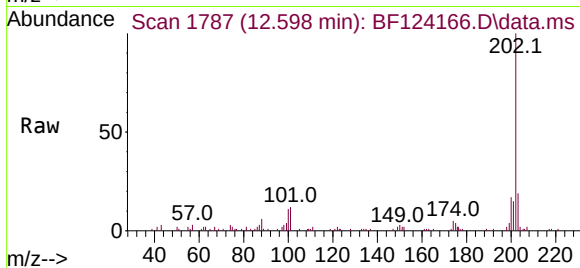




#75
Fluoranthene
Concen: 5.53 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

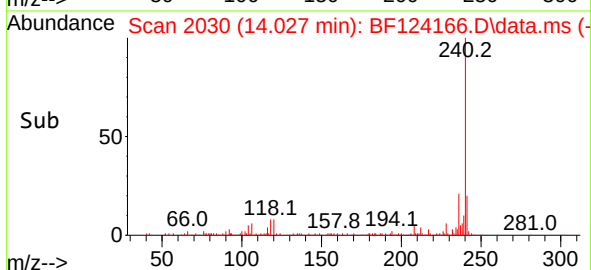
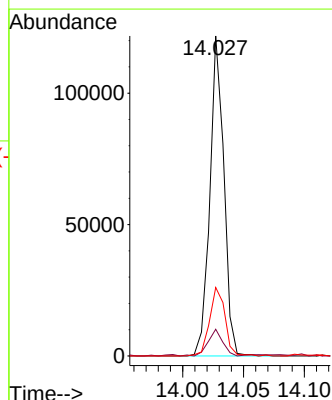
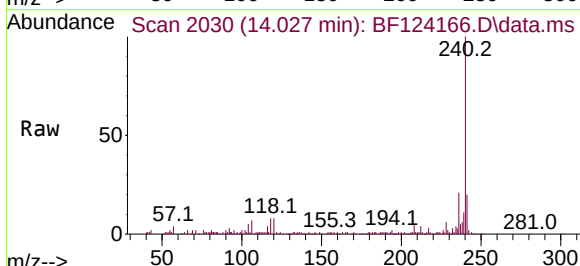
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

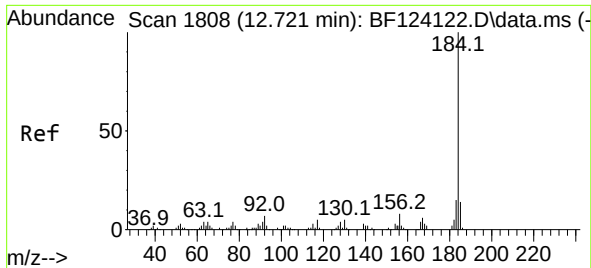
Tgt Ion:202	Resp:	46752
Ion Ratio	Lower	Upper
202	100	
101	11.6	0.0 30.9
203	18.8	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:240	Resp:	97633
Ion Ratio	Lower	Upper
240	100	
120	8.4	7.2 10.8
236	21.4	19.0 28.4

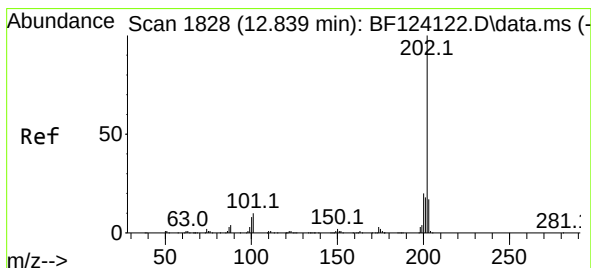
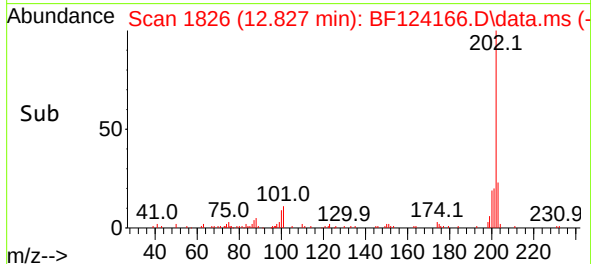
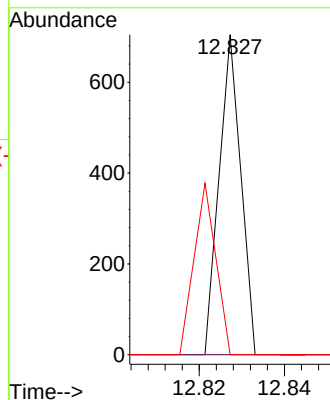
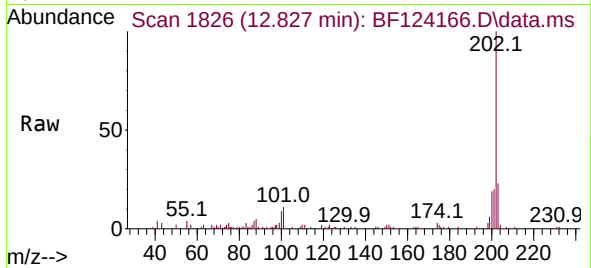




#77
Benzidine
Concen: 4.16 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.106 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

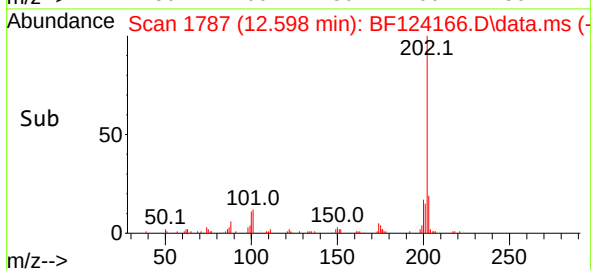
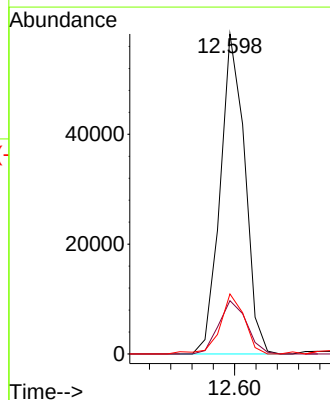
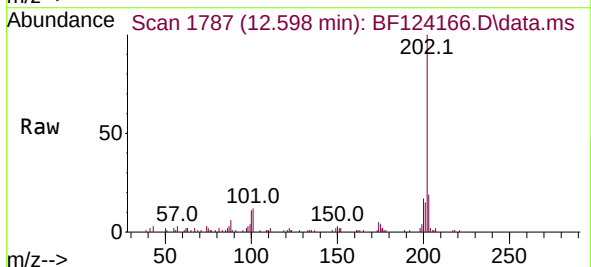
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

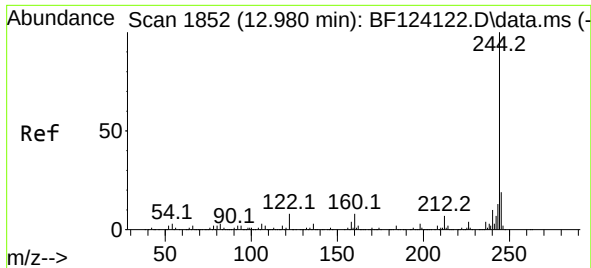
Tgt Ion:184 Resp: 249
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 4.99 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.241 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:202 Resp: 46752
Ion Ratio Lower Upper
202 100
200 16.7 16.1 24.1
203 18.8 14.8 22.2

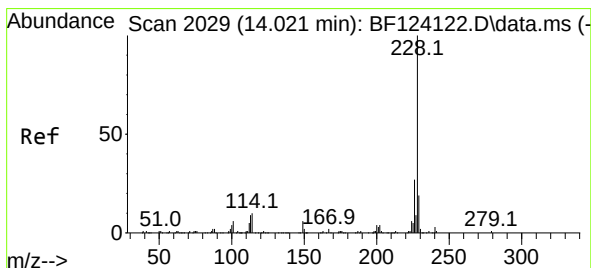
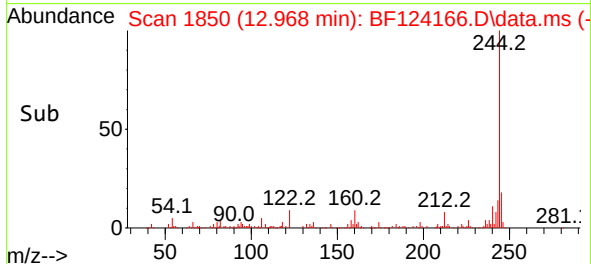
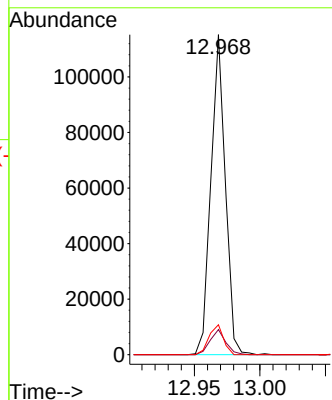
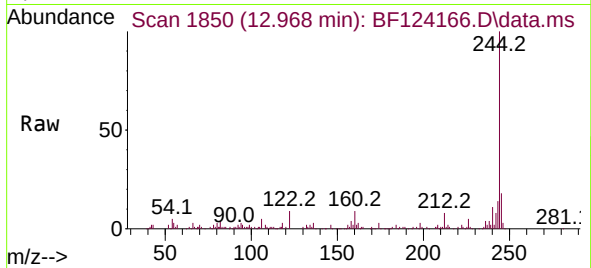




#79
 Terphenyl-d14
 Concen: 12.42 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF124166.D
 Acq: 7 Jun 2021 20:20

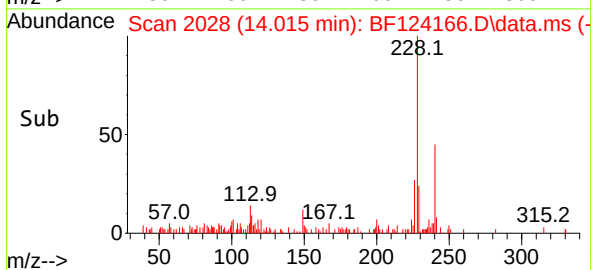
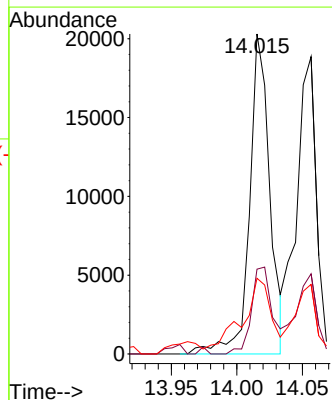
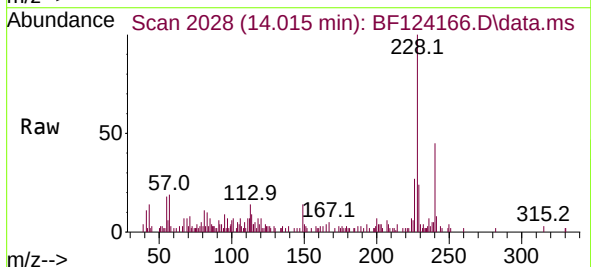
Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)

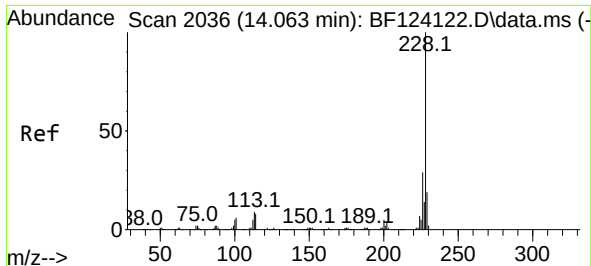
Tgt Ion:244 Resp: 88352
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 9.4 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 3.07 ng
 RT: 14.015 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF124166.D
 Acq: 7 Jun 2021 20:20

Tgt Ion:228 Resp: 21810
 Ion Ratio Lower Upper
 228 100
 226 26.5 22.4 33.6
 229 23.6 16.0 24.0

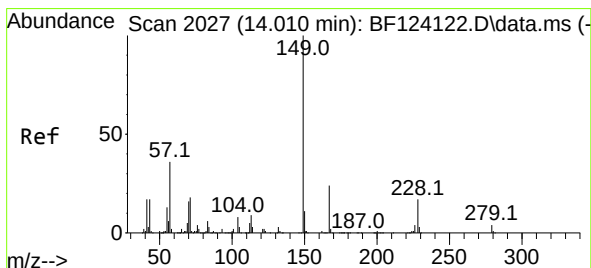
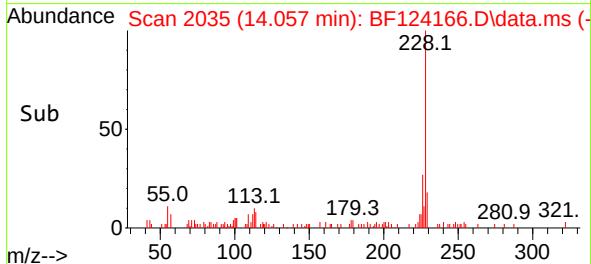
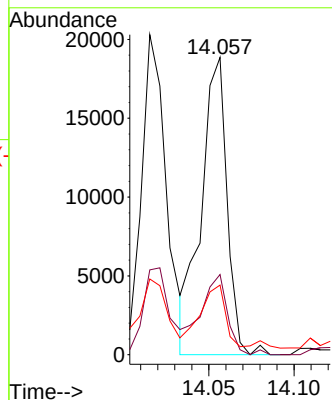
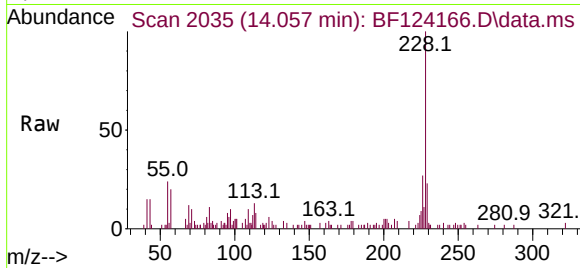




#83
Chrysene
Concen: 2.90 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

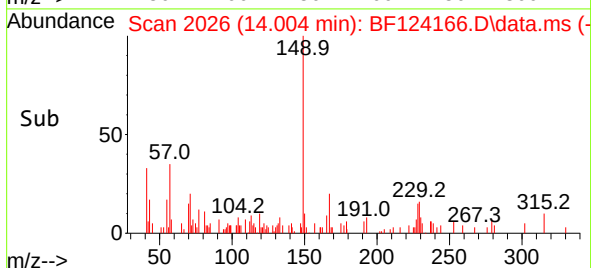
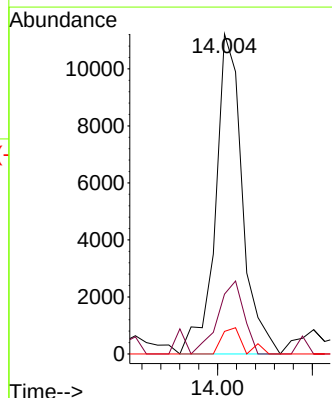
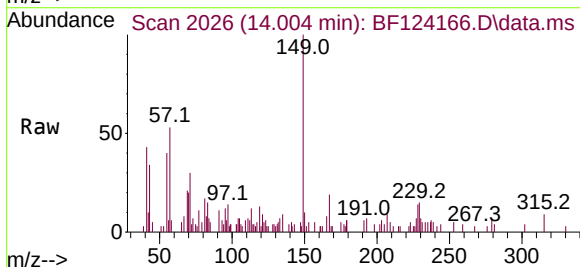
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

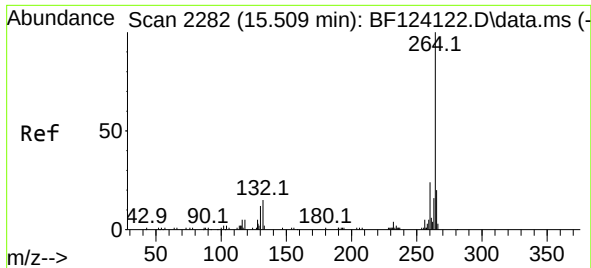
Tgt Ion:228	Resp:	19925
Ion Ratio	Lower	Upper
228	100	
226	27.0	24.3 36.5
229	23.4	16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.44 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:149	Resp:	11023
Ion Ratio	Lower	Upper
149	100	
167	18.7	21.8 32.6#
279	7.1	3.3 4.9#

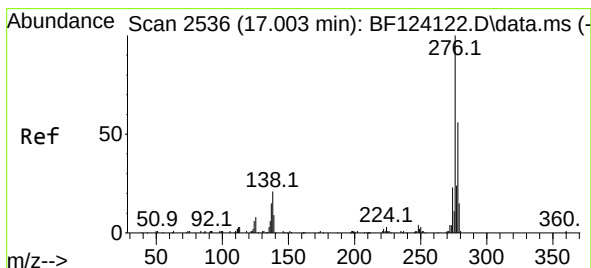
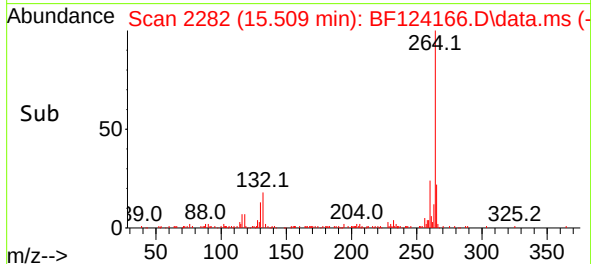
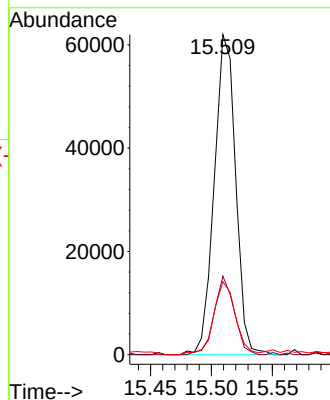
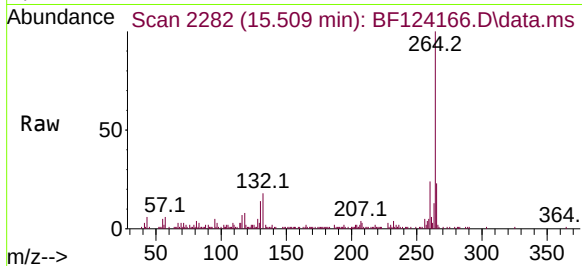




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

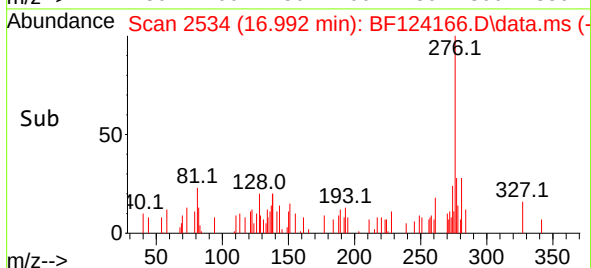
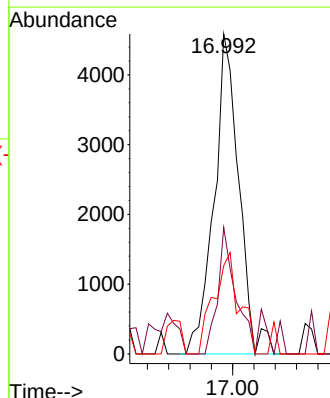
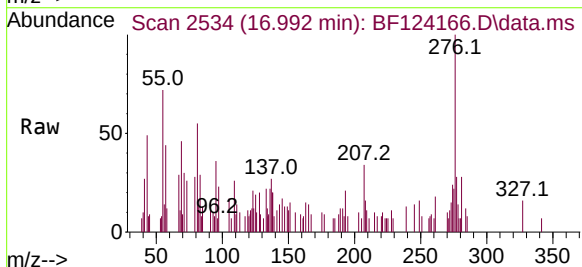
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

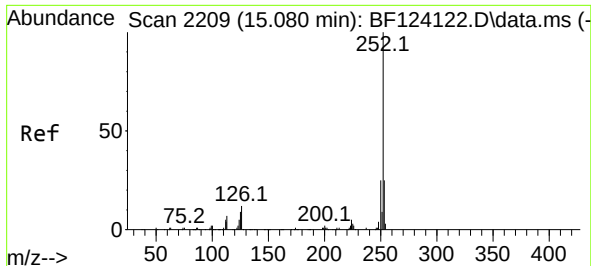
Tgt Ion:	264	Resp:	75780
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	22.8	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.40 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.011 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:	276	Resp:	7401
Ion Ratio	Lower	Upper	
276	100		
138	28.4	16.2	24.2#
277	32.4	20.1	30.1#

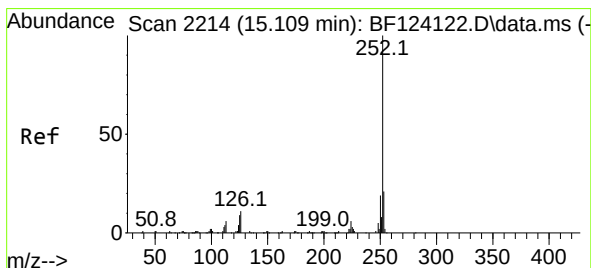
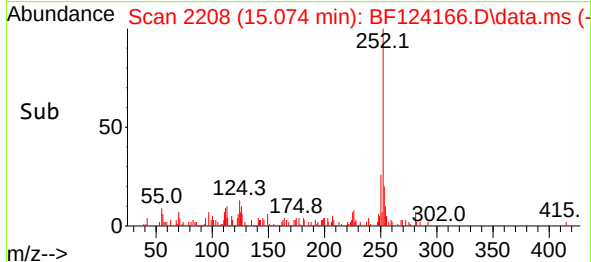
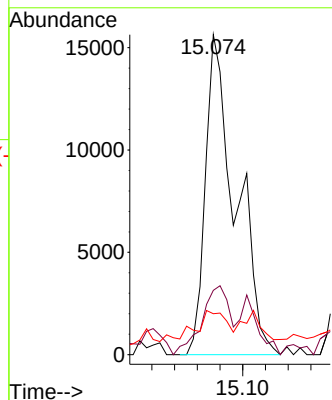
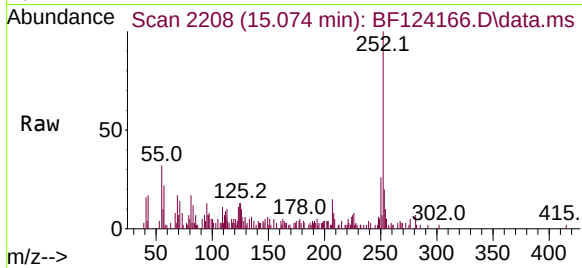




#88
Benzo(b)fluoranthene
Concen: 4.89 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

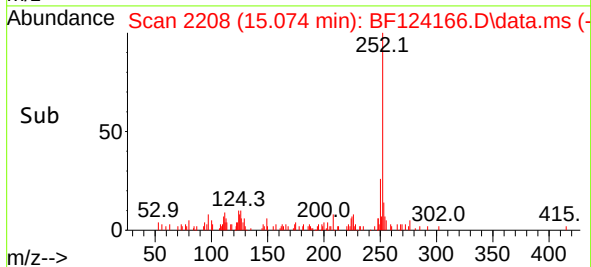
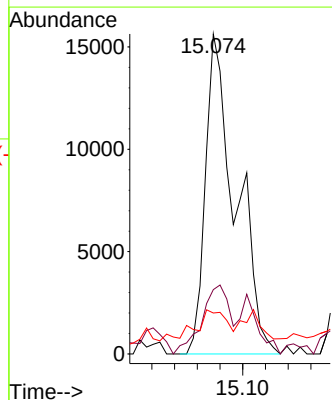
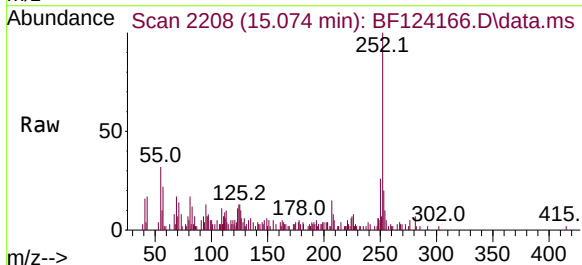
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

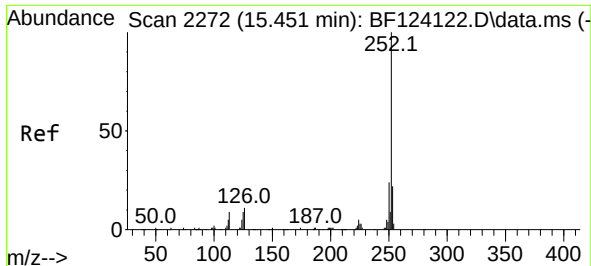
Tgt Ion:252 Resp: 28797
Ion Ratio Lower Upper
252 100
253 20.1 18.1 27.1
125 12.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.17 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:252 Resp: 28797
Ion Ratio Lower Upper
252 100
253 20.1 17.9 26.9
125 12.8 7.0 10.6#

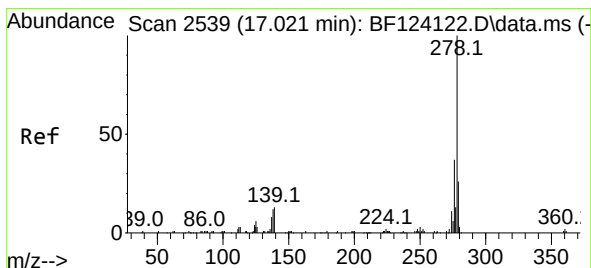
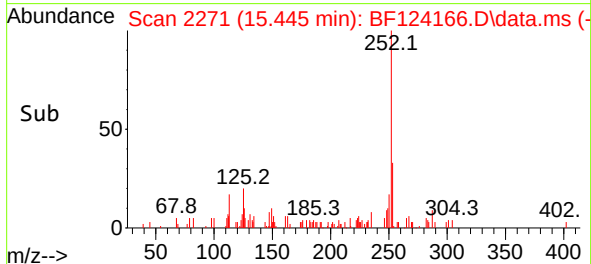
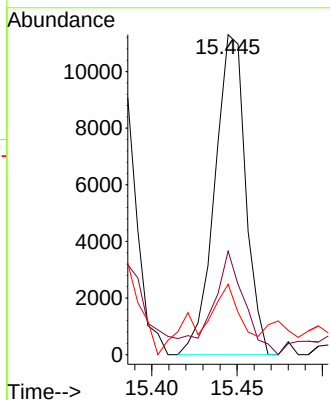
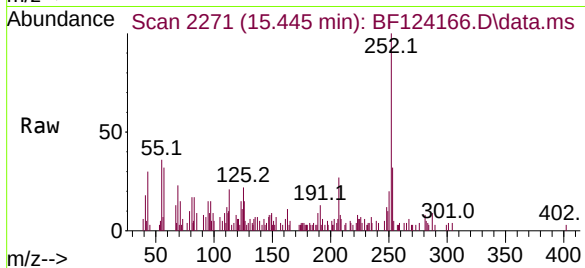




#90
Benzo(a)pyrene
Concen: 2.79 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

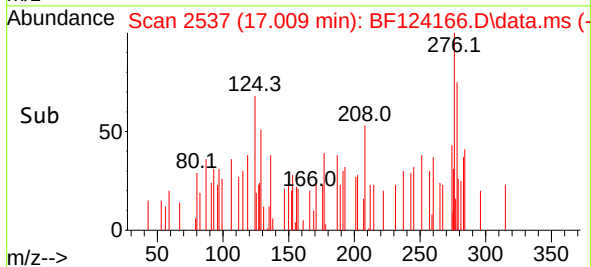
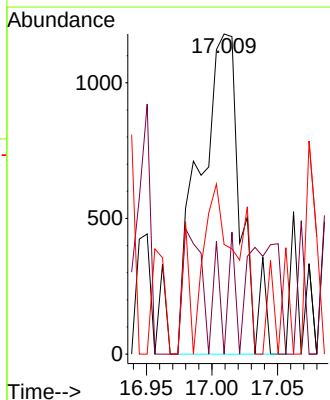
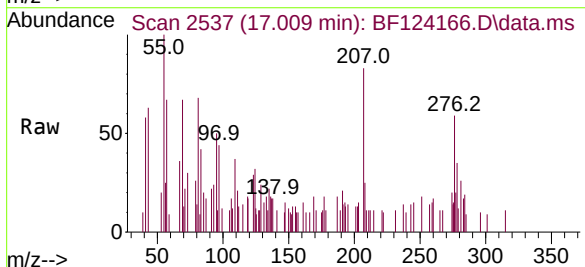
Instrument :
BNA_F
ClientSampled :
18-B12(2-4)

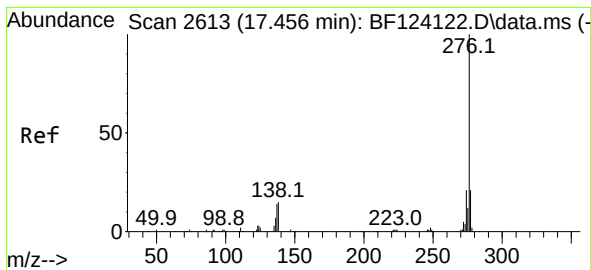
Tgt Ion:252 Resp: 14241
Ion Ratio Lower Upper
252 100
253 32.4 18.4 27.6#
125 22.0 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.61 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

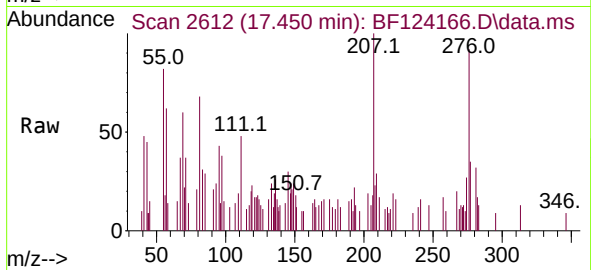
Tgt Ion:278 Resp: 2590
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 34.2 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 5.05 ng
 RT: 17.450 min Scan# 2612
 Delta R.T. -0.006 min
 Lab File: BF124166.D
 Acq: 7 Jun 2021 20:20

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)



Tgt Ion:	276	Resp:	7176
Ion Ratio	Lower	Upper	
276	100		
277	38.4	18.2	27.2#
138	23.5	13.8	20.6#

