

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124285.D
 Acq On : 12 Jun 2021 14:33
 Operator : JU/CG
 Sample : M2651-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17-B2(0-5)

Quant Time: Jun 14 04:25:22 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)

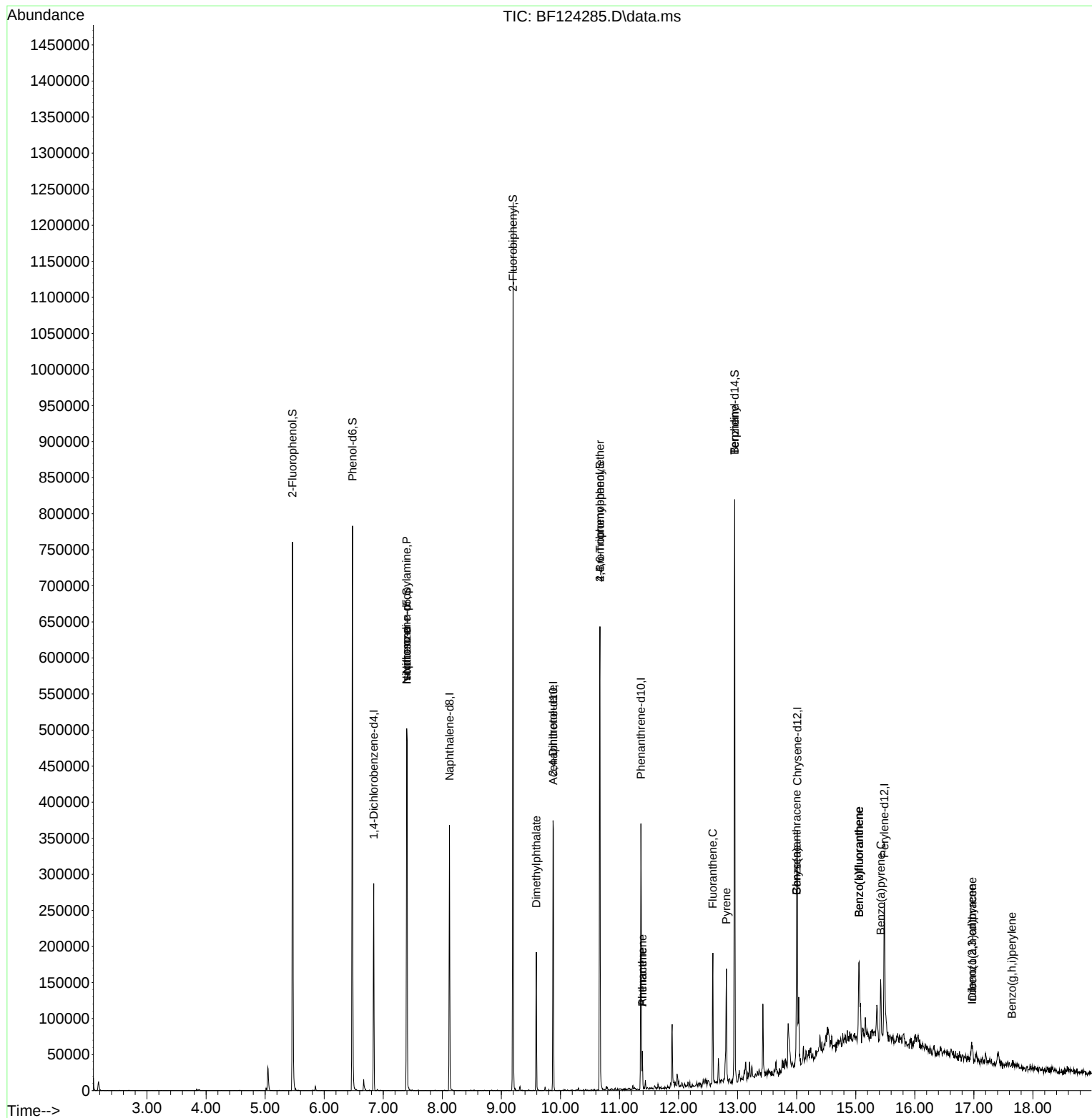
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	33322	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	127796	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	73707	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	117496	20.000	ng	-0.01
76) Chrysene-d12	14.009	240	85726	20.000	ng	-0.01
86) Perylene-d12	15.486	264	75120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	165390	74.716	ng	-0.02
7) Phenol-d6	6.481	99	210708	70.817	ng	-0.02
23) Nitrobenzene-d5	7.398	82	162068	50.298	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	64767	62.022	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	294114	50.213	ng	-0.01
79) Terphenyl-d14	12.951	244	233617	37.415	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	21338	10.159	ng	# 69
25) Isophorone	7.398	82	162066	27.912	ng	# 69
50) Dimethylphthalate	9.592	163	63212	10.366	ng	98
57) 2,4-Dinitrotoluene	9.874	165	9108	4.939	ng	# 18
67) 4-Bromophenyl-phenylether	10.669	248	5060	3.138	ng	# 1
71) Phenanthrene	11.386	178	16305	2.221	ng	97
72) Anthracene	11.386	178	16305	2.206	ng	96
75) Fluoranthene	12.580	202	62079	8.058	ng	98
77) Benzidine	12.951	184	4232	6.000	ng	96
78) Pyrene	12.810	202	56469	6.860	ng	95
81) Benzo(a)anthracene	13.998	228	38022	6.088	ng	97
83) Chrysene	13.998	228	38022	6.310	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	14585	6.457	ng	# 83
88) Benzo(b)fluoranthene	15.057	252	68814	11.793	ng	# 98
89) Benzo(k)fluoranthene	15.057	252	68814	12.457	ng	99
90) Benzo(a)pyrene	15.421	252	33286	6.567	ng	94
91) Dibenzo(a,h)anthracene	16.974	278	4672	4.974	ng	# 75
92) Benzo(g,h,i)perylene	17.645	276	1839	4.129	ng	97

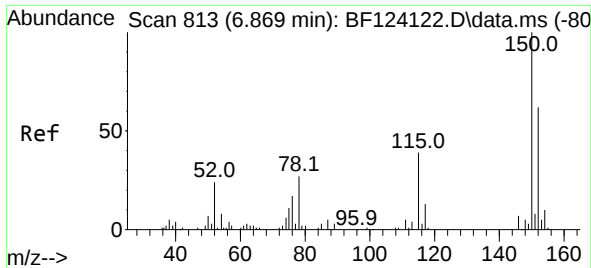
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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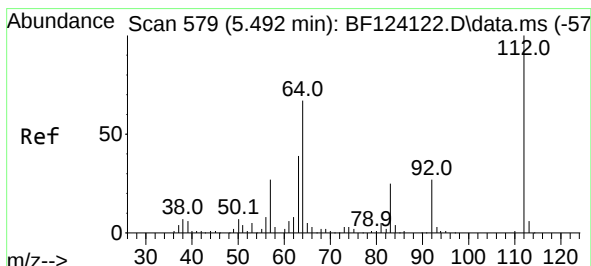
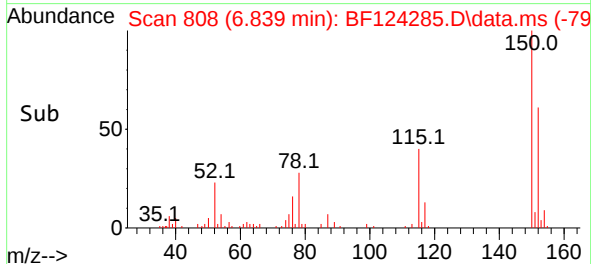
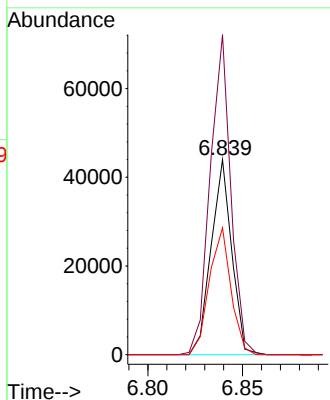
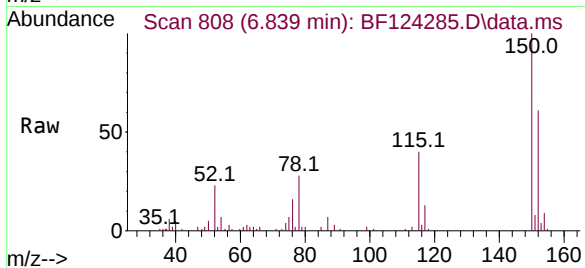




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

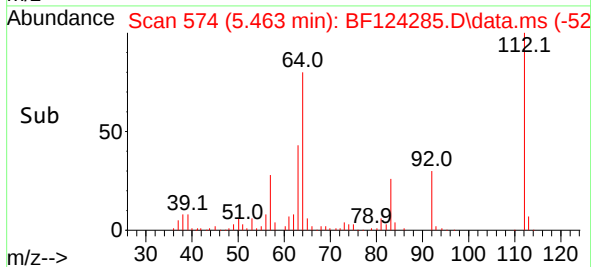
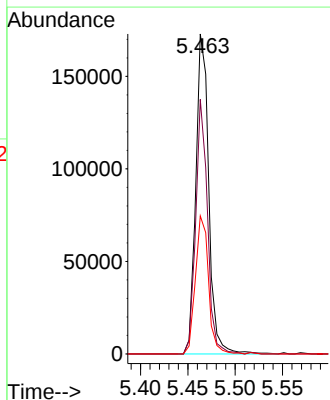
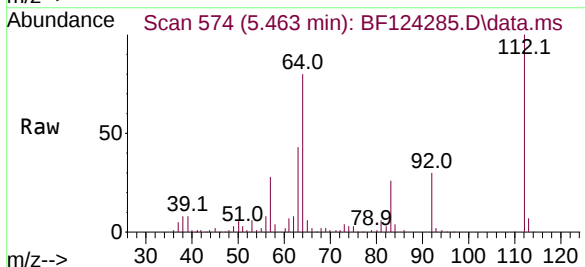
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

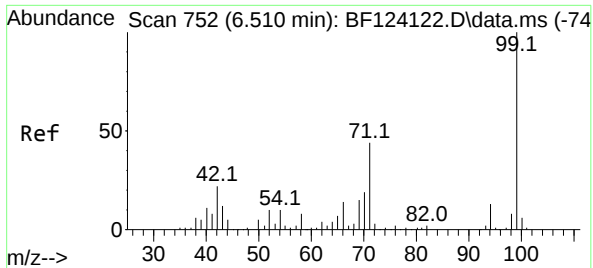
Tgt Ion:152 Resp: 33322
Ion Ratio Lower Upper
152 100
150 163.9 127.0 190.6
115 65.0 54.3 81.5



#5
2-Fluorophenol
Concen: 74.716 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.018 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:112 Resp: 165390
Ion Ratio Lower Upper
112 100
64 79.6 61.4 92.0
63 43.2 33.0 49.4

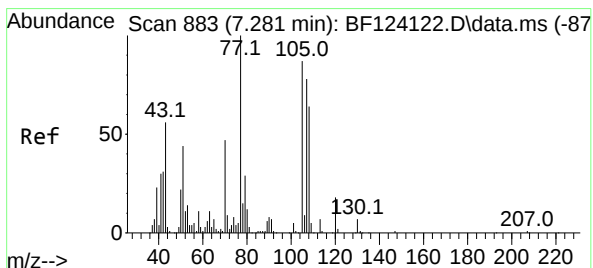
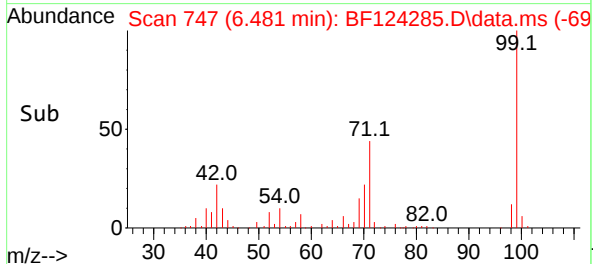
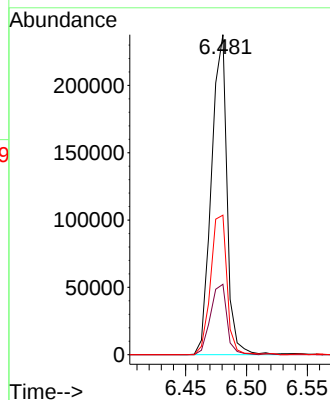
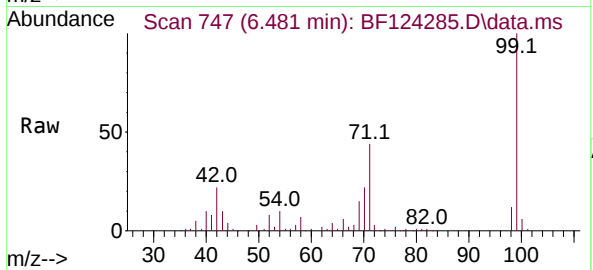




#7
Phenol-d6
Concen: 70.817 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

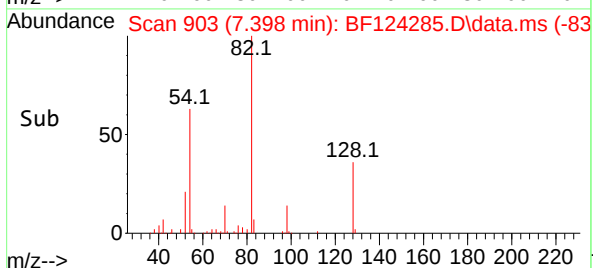
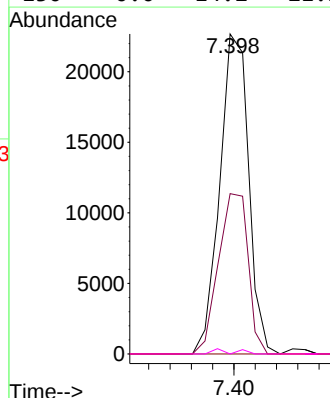
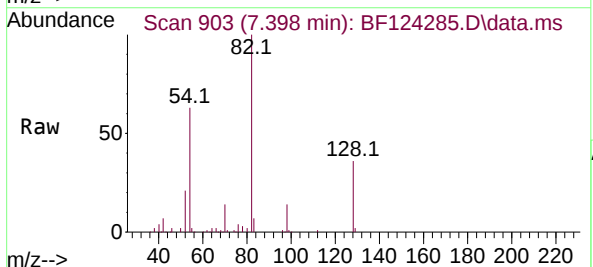
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

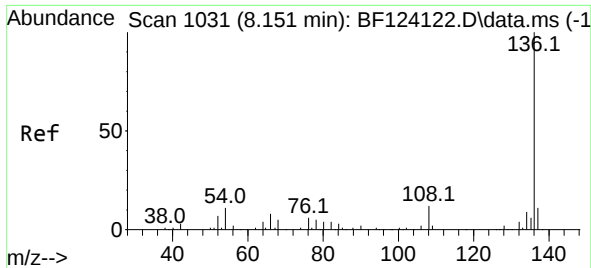
Tgt Ion: 99 Resp: 210708
Ion Ratio Lower Upper
99 100
42 22.0 19.8 29.8
71 43.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.159 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.129 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion: 70 Resp: 21338
Ion Ratio Lower Upper
70 100
42 50.1 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

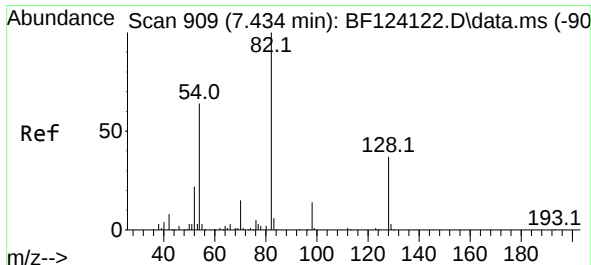
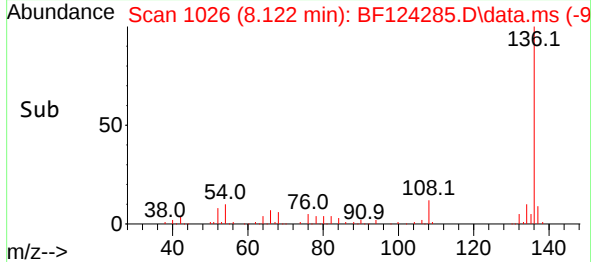
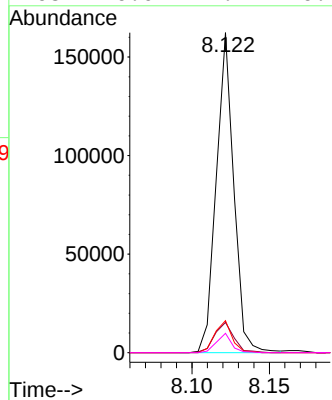
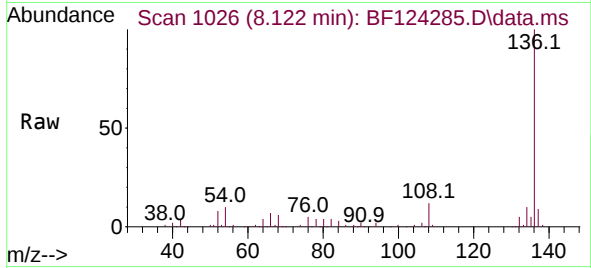




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

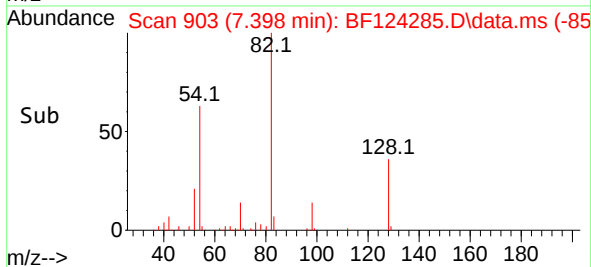
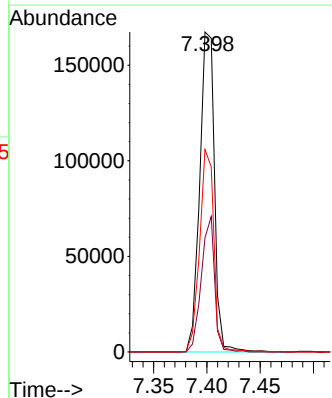
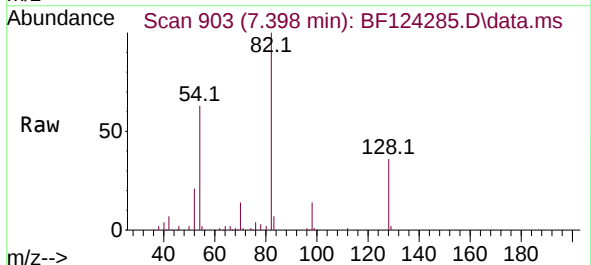
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

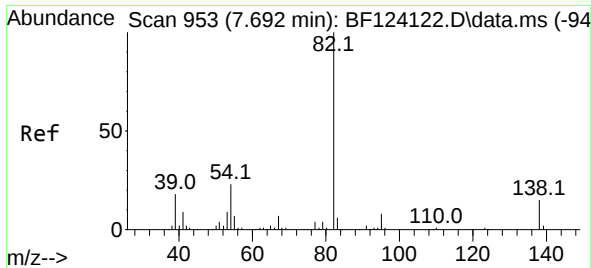
Tgt Ion:136	Resp:	127796
Ion Ratio	Lower	Upper
136	100	
137	9.5	8.7 13.1
54	10.0	9.8 14.6
68	6.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 50.298 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.018 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion: 82	Resp:	162068
Ion Ratio	Lower	Upper
82	100	
128	35.7	29.4 44.2
54	63.3	54.1 81.1

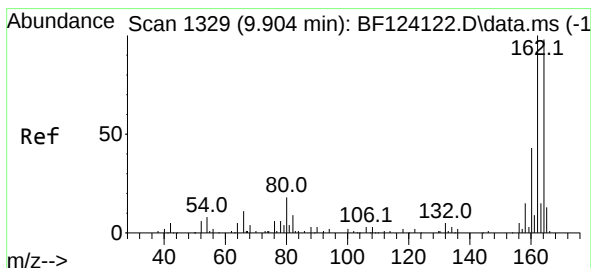
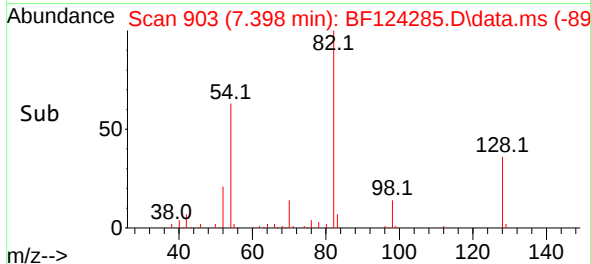
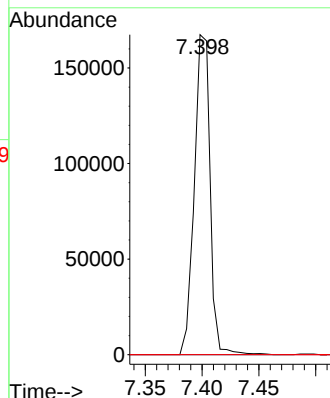
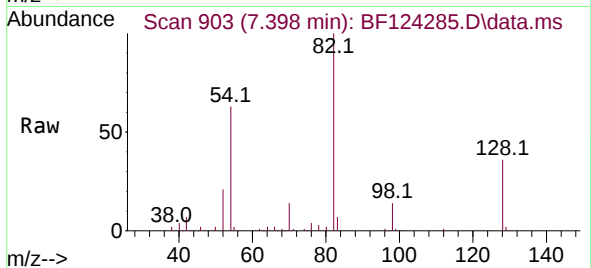




#25
Isophorone
Concen: 27.912 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.276 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

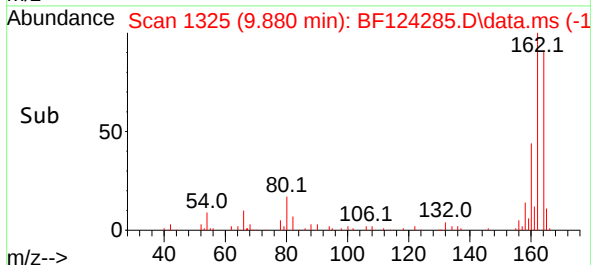
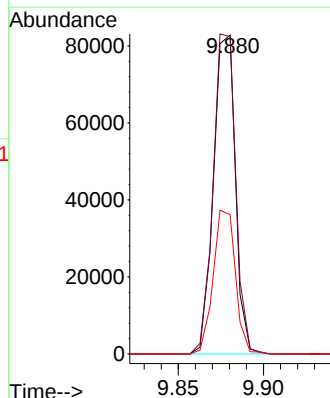
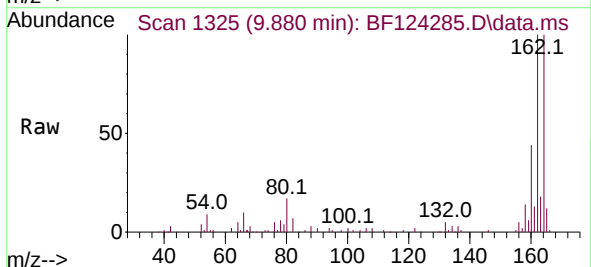
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

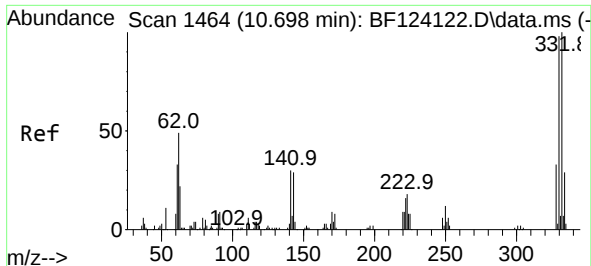
Tgt Ion: 82 Resp: 162066
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:164 Resp: 73707
Ion Ratio Lower Upper
164 100
162 99.5 80.7 121.1
160 43.7 37.3 55.9

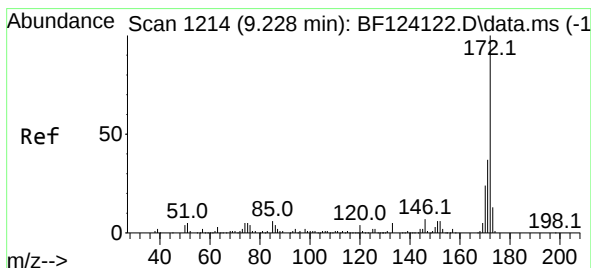
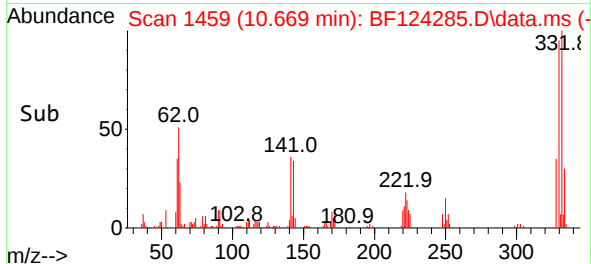
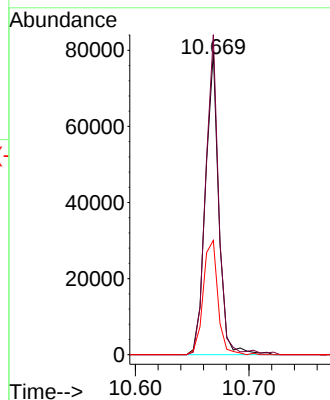
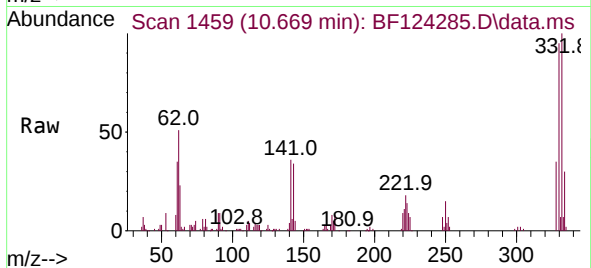




#42
2,4,6-Tribromophenol
Concen: 62.022 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

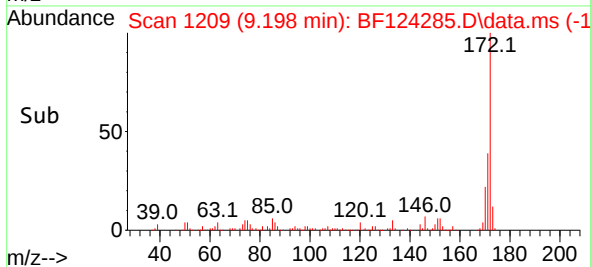
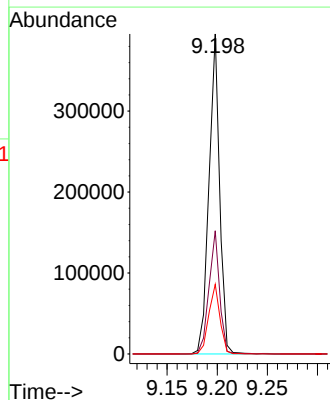
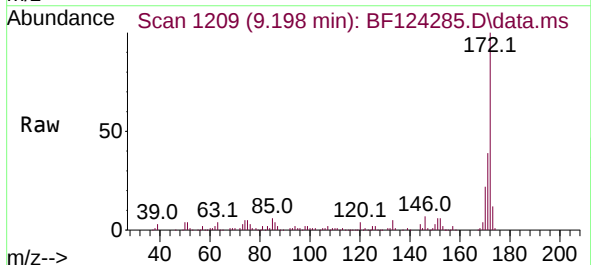
Instrument :
BNA_F
ClientSampled :
17-B2(0-5)

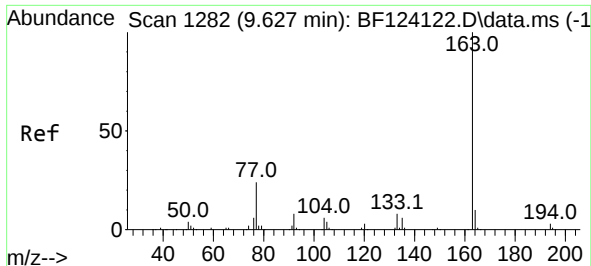
Tgt Ion: 330 Resp: 64767
Ion Ratio Lower Upper
330 100
332 103.0 77.1 115.7
141 41.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 50.213 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion: 172 Resp: 294114
Ion Ratio Lower Upper
172 100
171 38.5 28.1 42.1
170 21.8 19.2 28.8

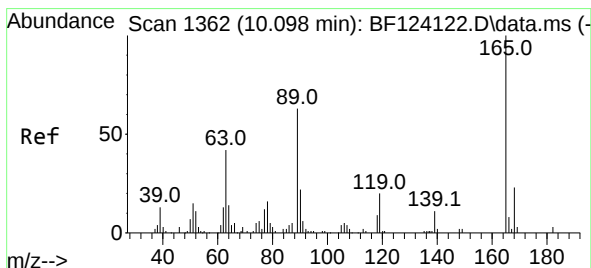
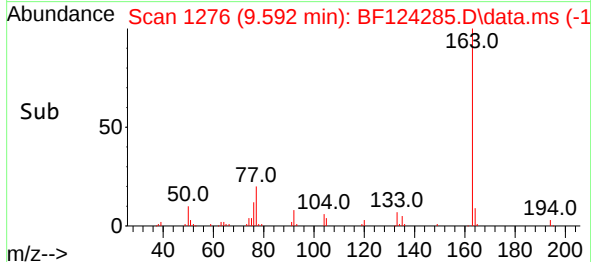
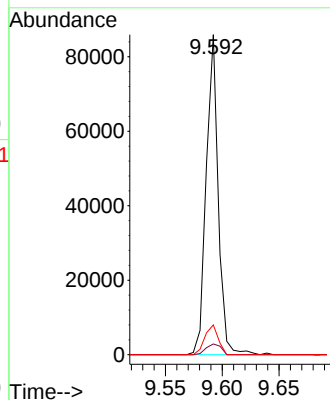
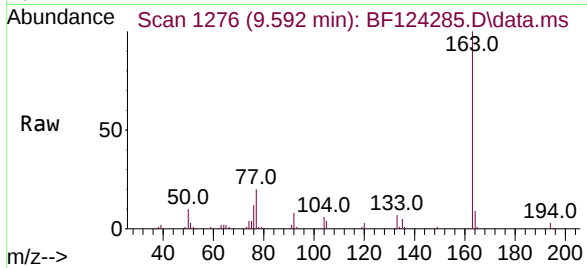




#50
Dimethylphthalate
Concen: 10.366 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.023 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

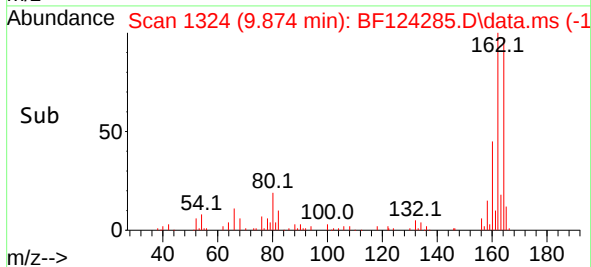
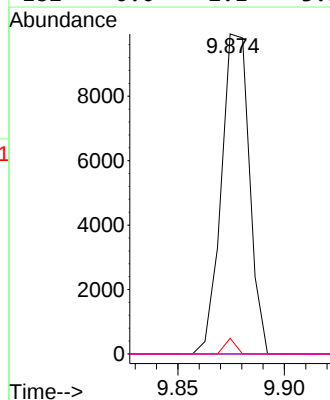
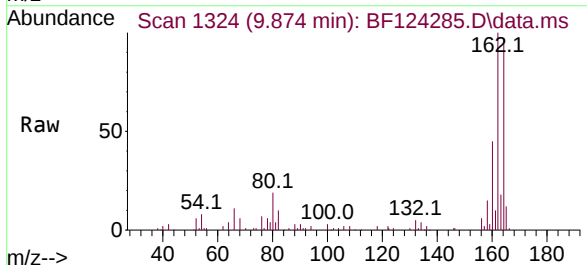
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17-B2(0-5)

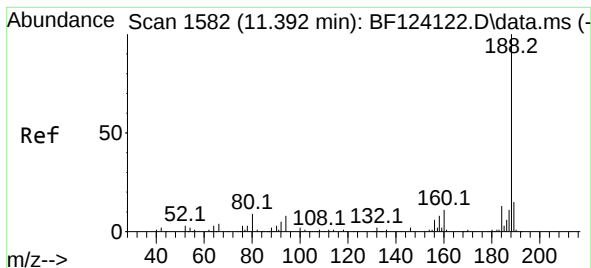
Tgt Ion:163 Resp: 63212
Ion Ratio Lower Upper
163 100
194 3.4 3.1 4.7
164 9.3 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 4.939 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.212 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

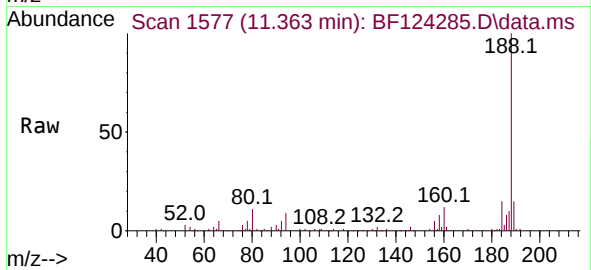
Tgt Ion:165 Resp: 9108
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.9 67.7 101.5#
182 0.0 2.1 3.1#



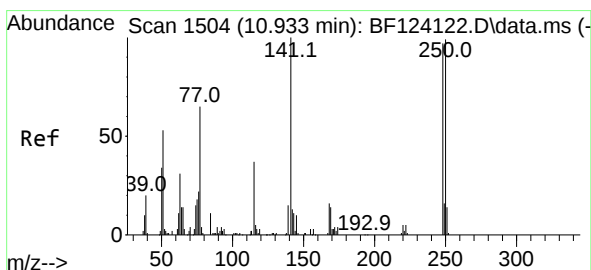
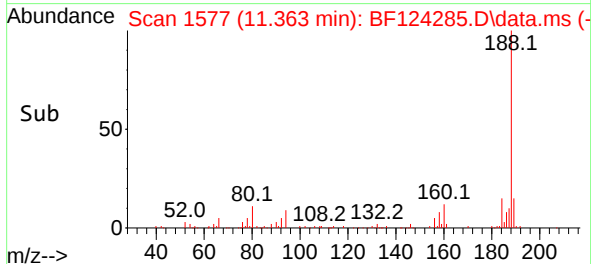
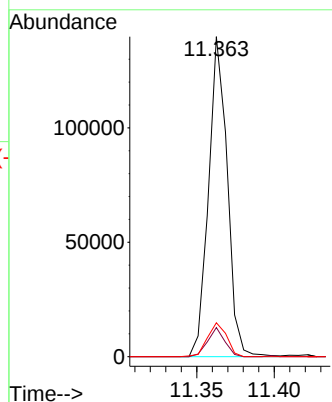


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

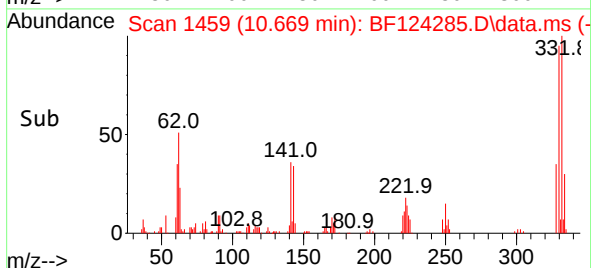
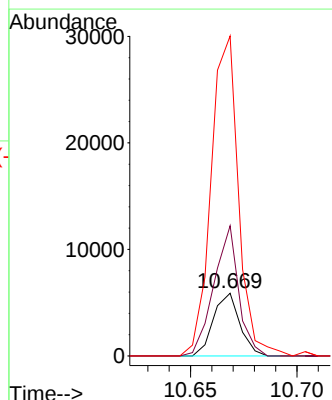
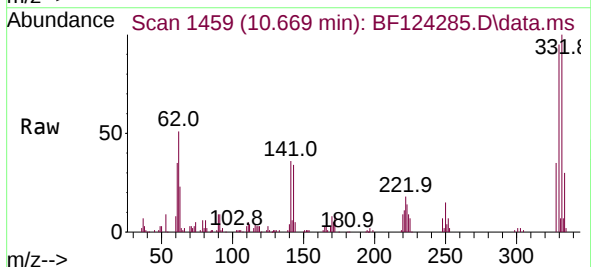


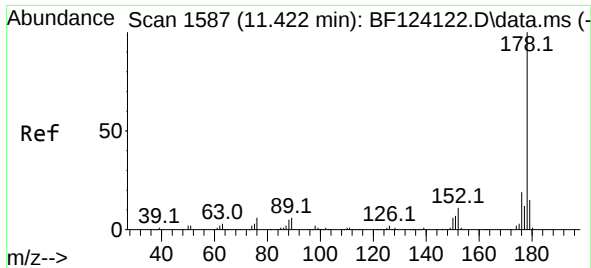
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Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.6 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:248 Resp: 5060
Ion Ratio Lower Upper
248 100
250 207.8 77.4 116.2#
141 510.8 63.7 95.5#

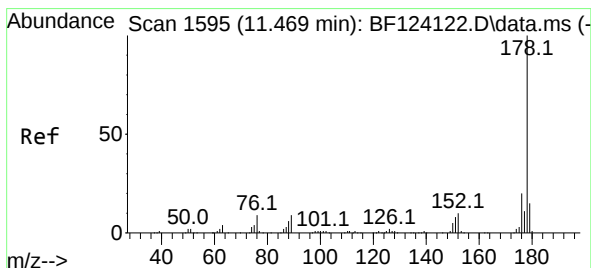
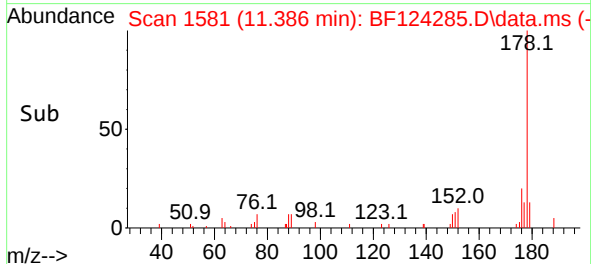
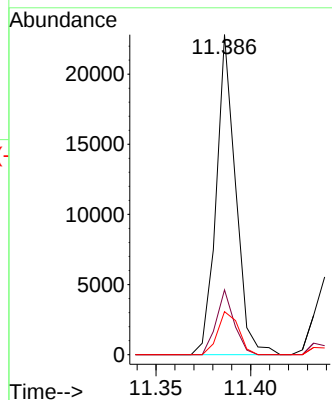
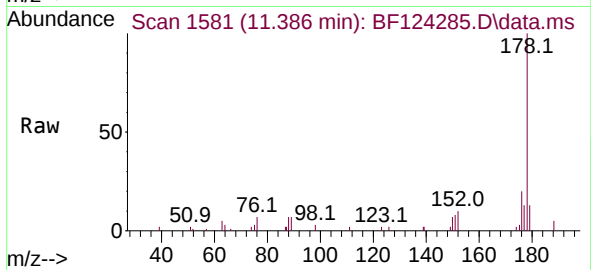




#71
Phenanthrene
Concen: 2.221 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.018 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

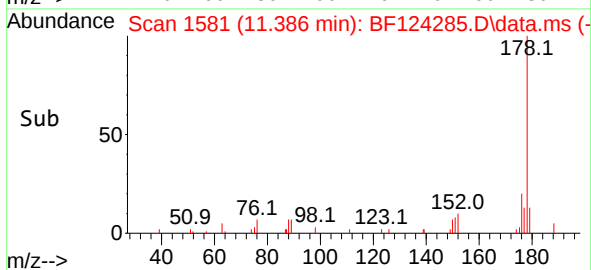
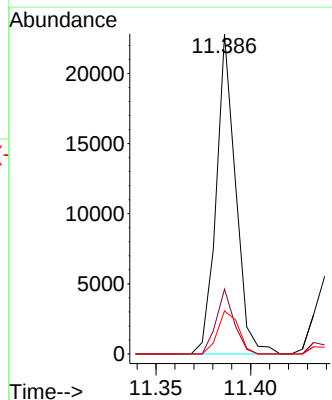
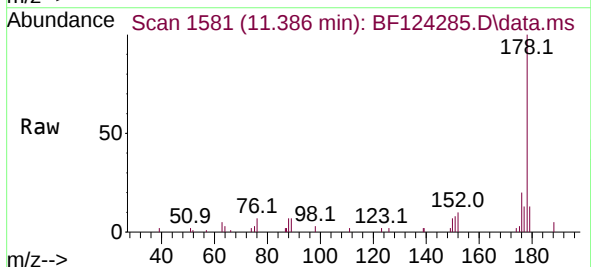
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

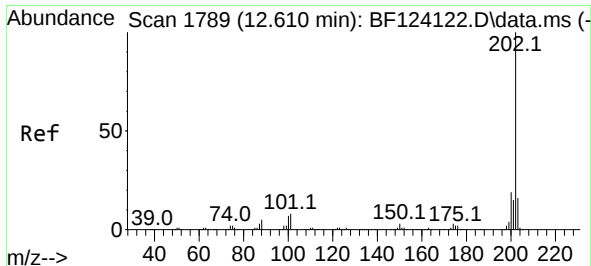
Tgt Ion:178 Resp: 16305
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 13.5 12.5 18.7



#72
Anthracene
Concen: 2.206 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.071 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:178 Resp: 16305
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 13.5 12.6 18.8

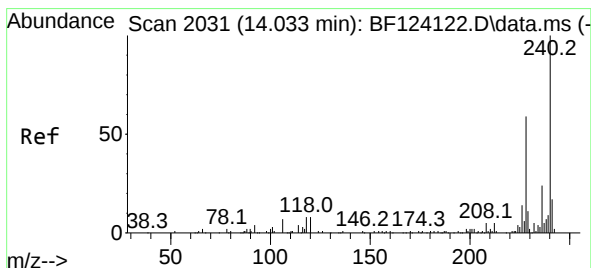
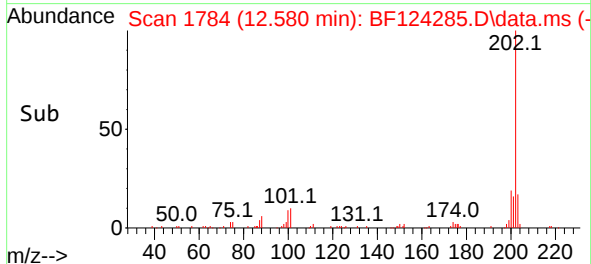
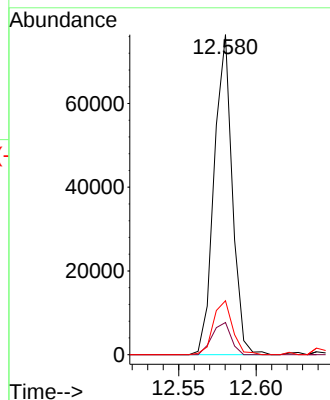
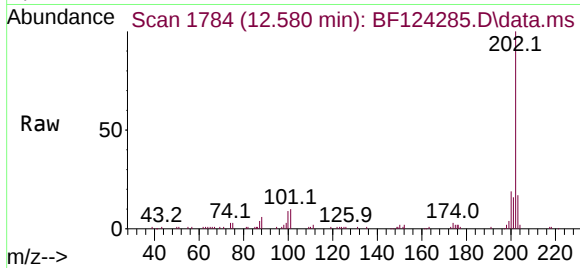




#75
Fluoranthene
Concen: 8.058 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

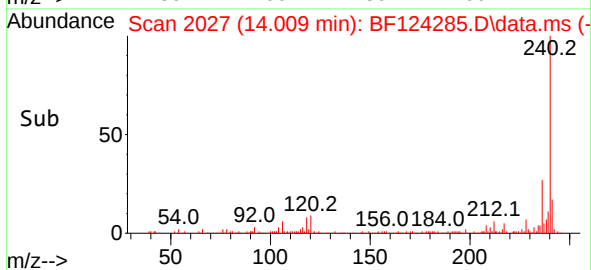
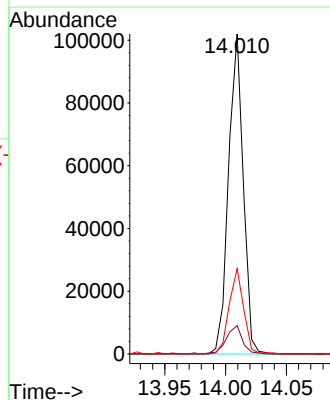
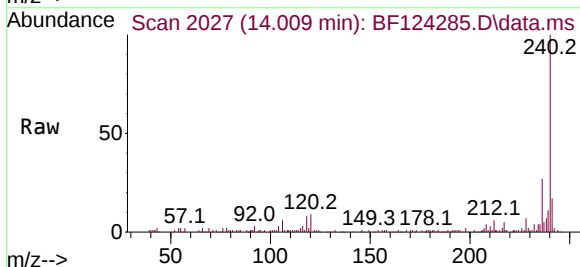
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

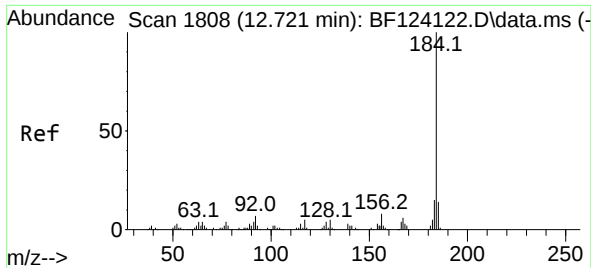
Tgt Ion:	202	Resp:	62079
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	30.9
203	16.9	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:	240	Resp:	85726
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.2	10.8
236	26.7	19.0	28.4

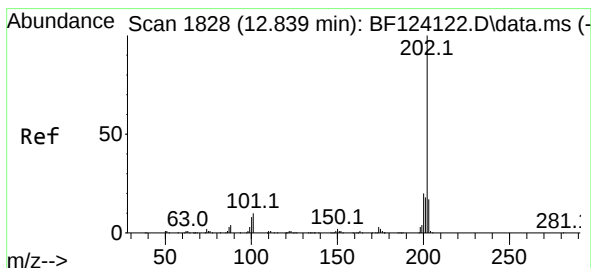
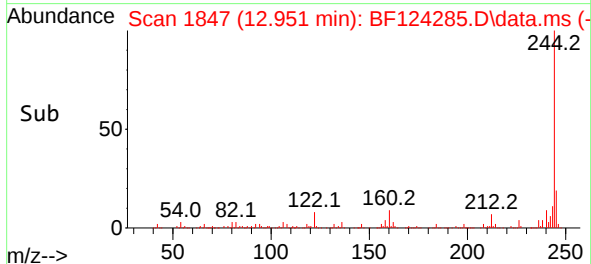
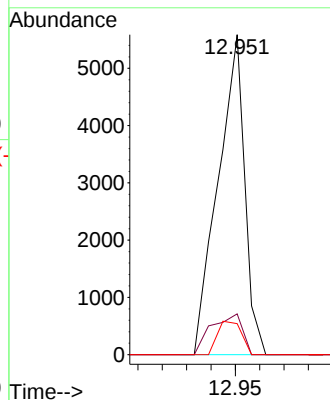
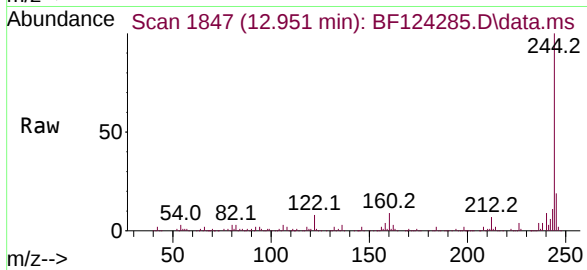




#77
Benzidine
Concen: 6.000 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

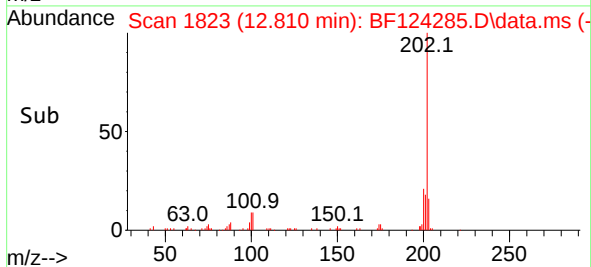
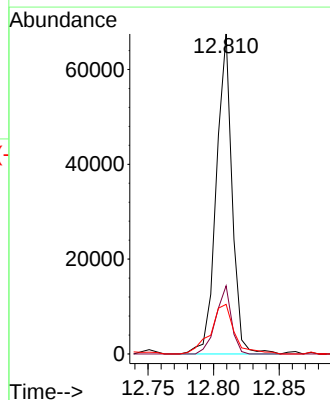
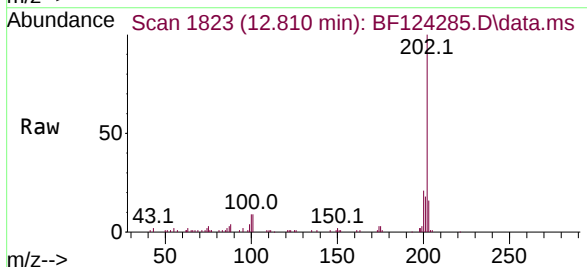
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

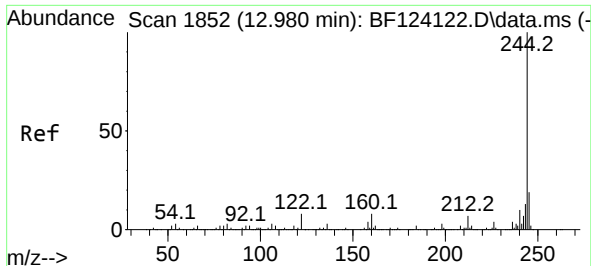
Tgt Ion:184 Resp: 4232
Ion Ratio Lower Upper
184 100
185 12.7 12.1 18.1
183 9.7 7.8 11.8



#78
Pyrene
Concen: 6.860 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

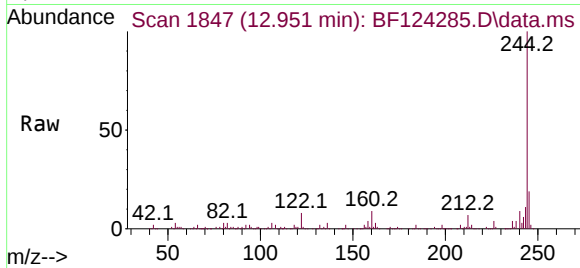
Tgt Ion:202 Resp: 56469
Ion Ratio Lower Upper
202 100
200 21.3 16.1 24.1
203 15.5 14.8 22.2



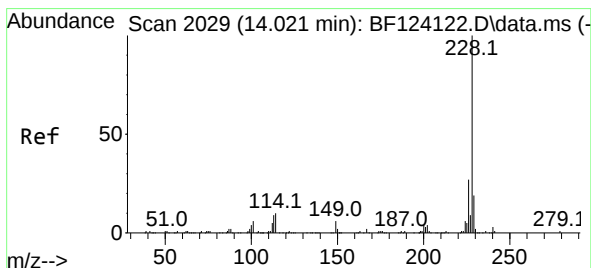
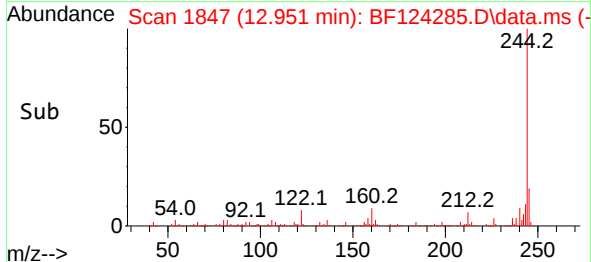
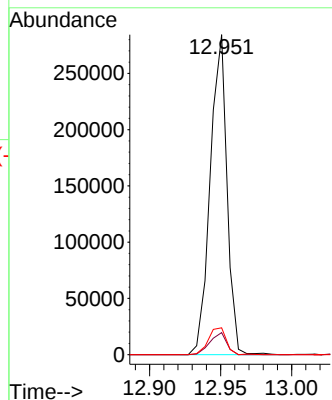


#79
 Terphenyl-d14
 Concen: 37.415 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF124285.D
 Acq: 12 Jun 2021 14:33

Instrument :
 BNA_F
 ClientSampleId :
 17-B2(0-5)

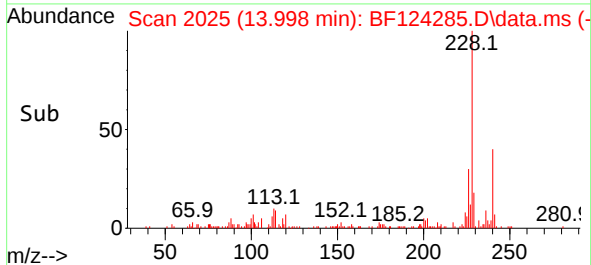
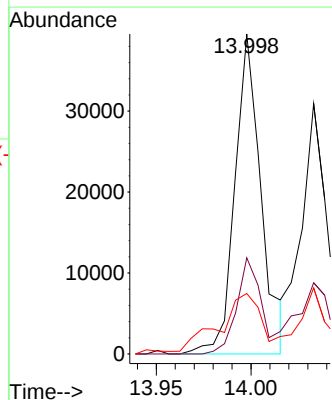
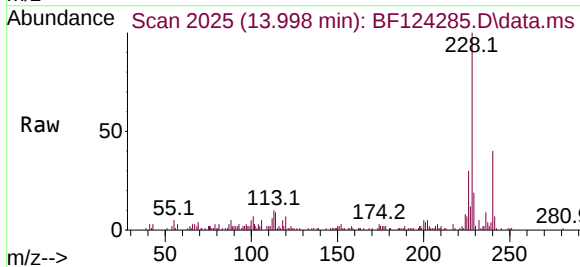


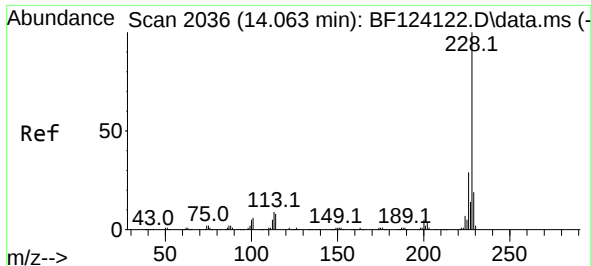
Tgt Ion:244 Resp: 233617
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 8.4 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 6.088 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.012 min
 Lab File: BF124285.D
 Acq: 12 Jun 2021 14:33

Tgt Ion:228 Resp: 38022
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.4 33.6
 229 18.9 16.0 24.0

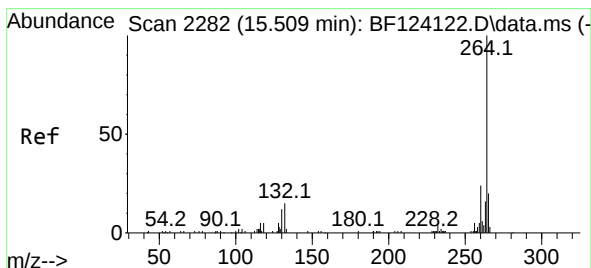
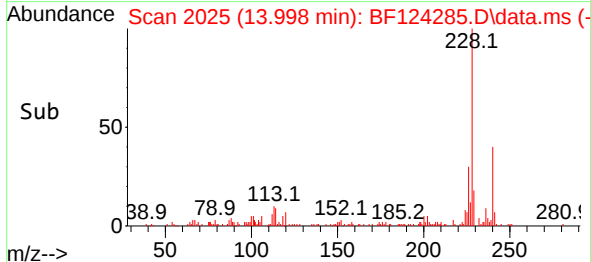
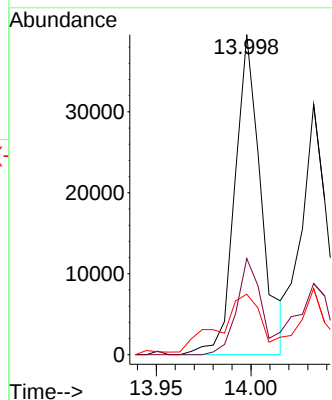
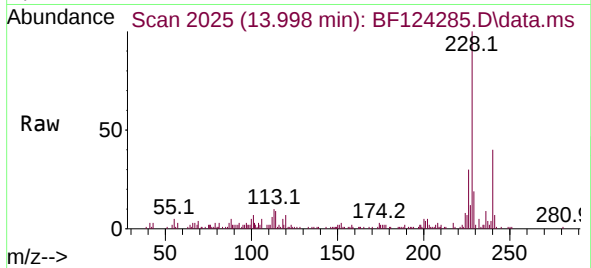




#83
Chrysene
Concen: 6.310 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.047 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

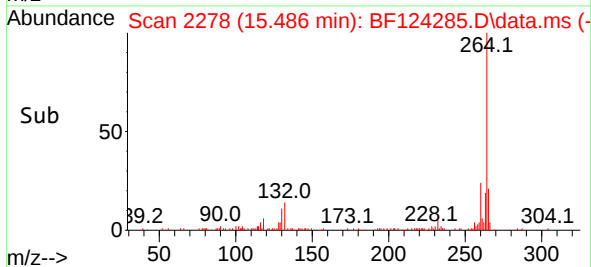
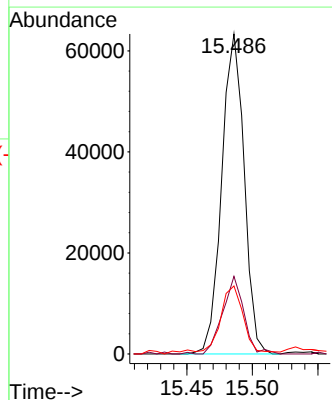
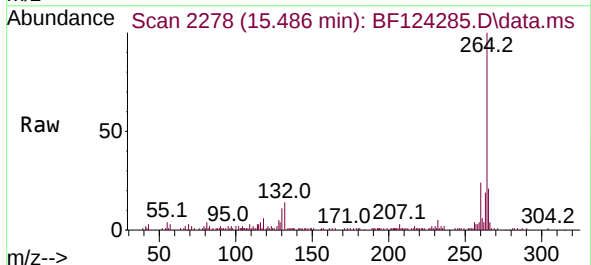
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

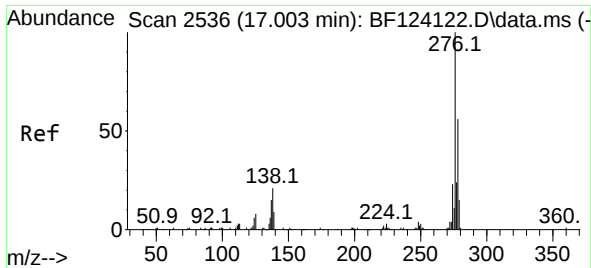
Tgt Ion:228	Resp:	38022
Ion Ratio	Lower	Upper
228	100	
226	30.0	24.3 36.5
229	18.9	16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:264	Resp:	75120
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.7 28.1
265	21.3	17.8 26.8

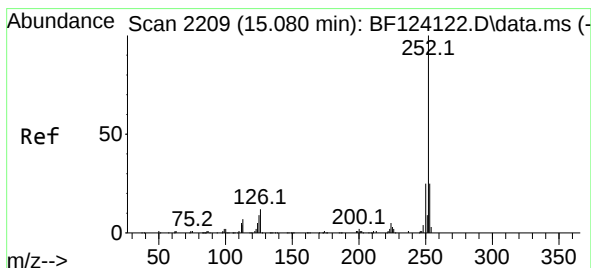
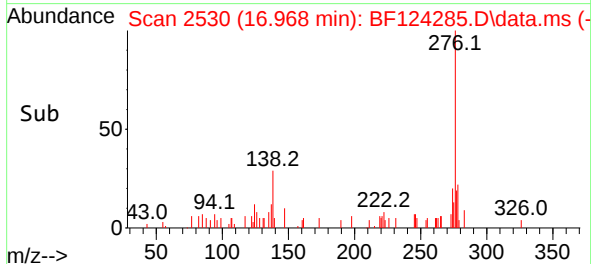
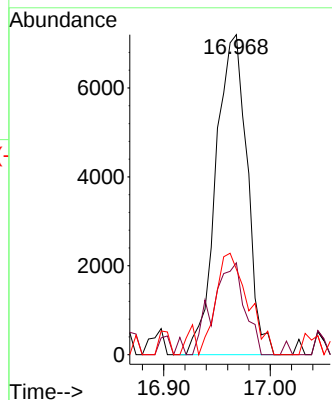
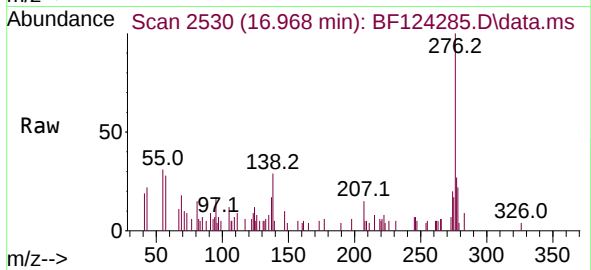




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.457 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

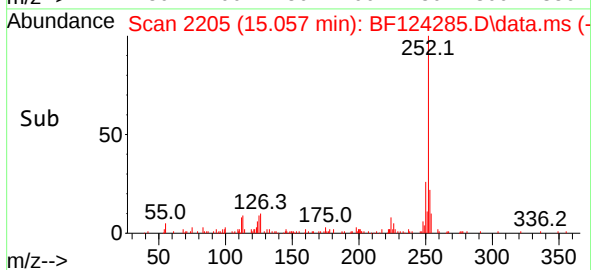
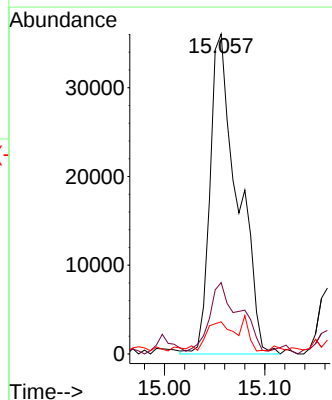
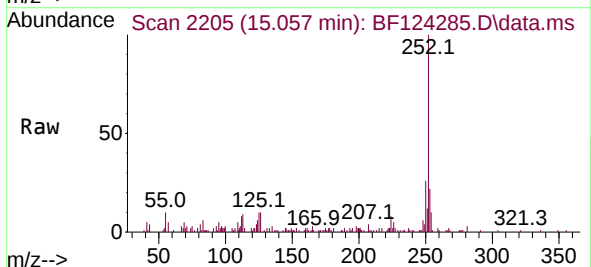
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

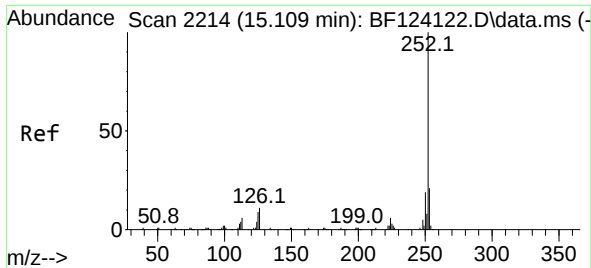
Tgt Ion:276 Resp: 14585
Ion Ratio Lower Upper
276 100
138 29.4 16.2 24.2#
277 32.7 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 11.793 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:252 Resp: 68814
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.1 6.2 9.4#

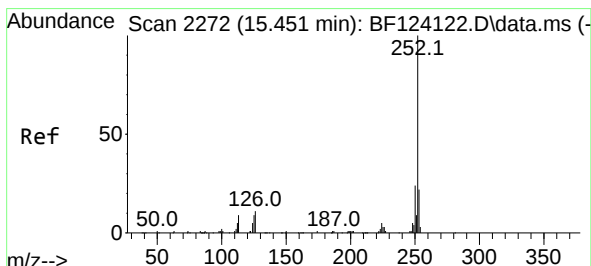
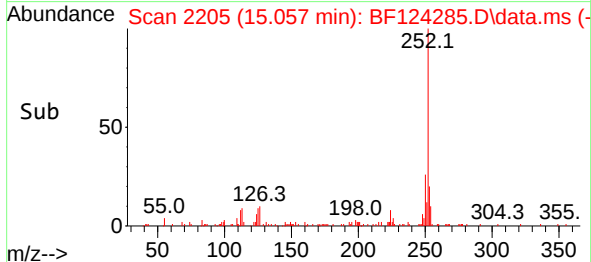
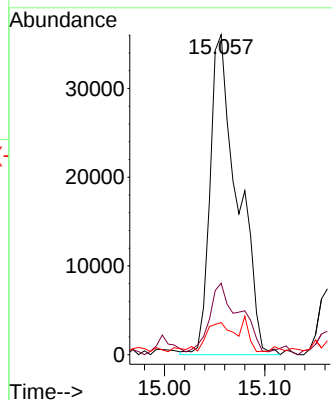
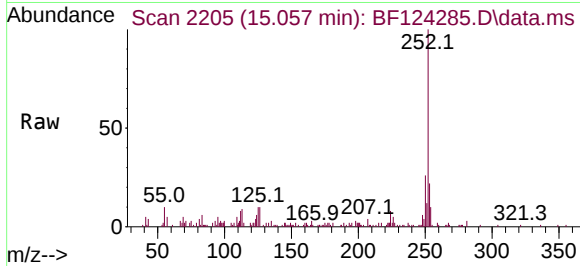




#89
Benzo(k)fluoranthene
Concen: 12.457 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

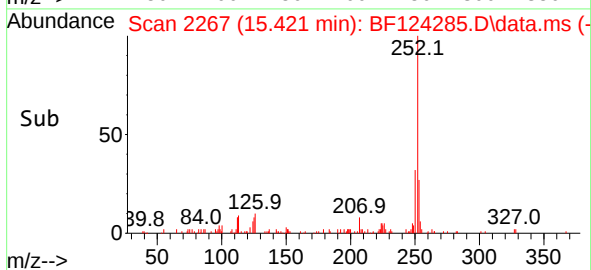
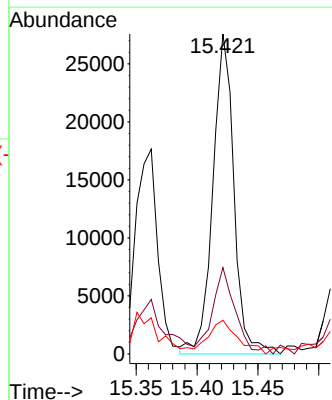
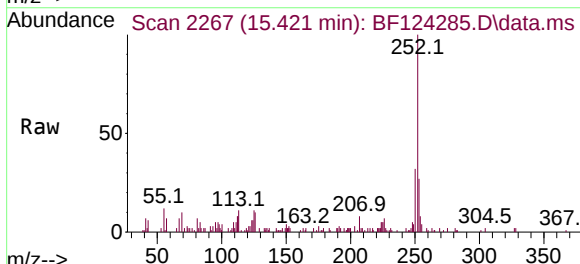
Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

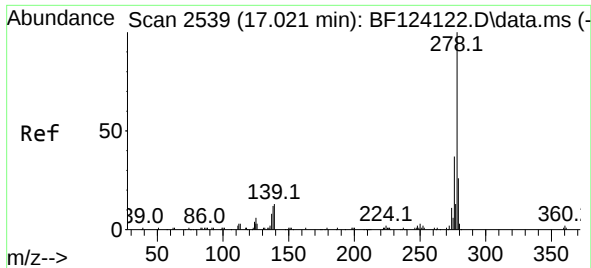
Tgt Ion:252 Resp: 68814
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 10.1 7.0 10.6



#90
Benzo(a)pyrene
Concen: 6.567 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:252 Resp: 33286
Ion Ratio Lower Upper
252 100
253 27.0 18.4 27.6
125 10.5 8.0 12.0

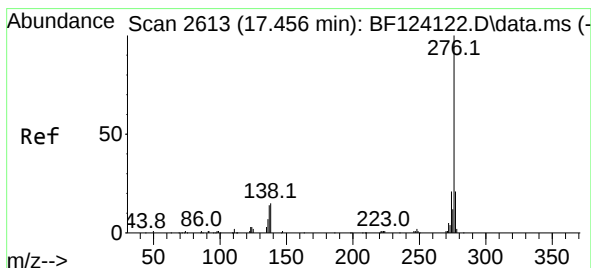
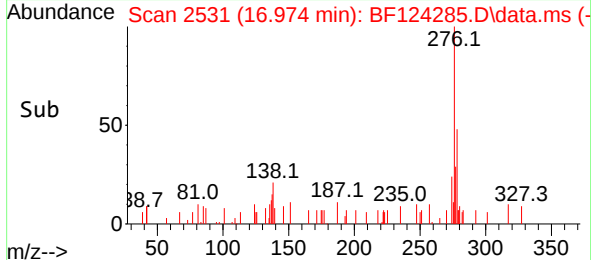
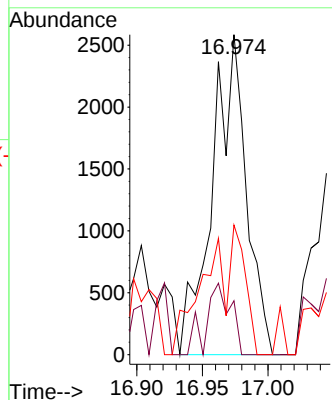
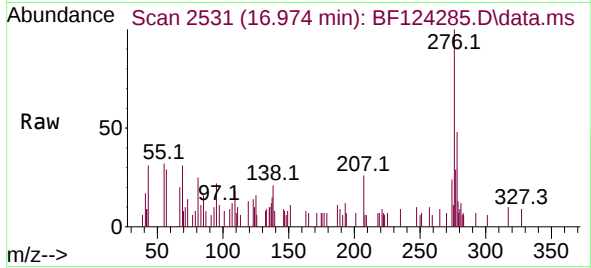




#91
Dibenzo(a,h)anthracene
Concen: 4.974 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Instrument :
BNA_F
ClientSampleId :
17-B2(0-5)

Tgt Ion:278 Resp: 4672
Ion Ratio Lower Upper
278 100
139 16.8 10.2 15.2#
279 40.5 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.129 ng
RT: 17.645 min Scan# 2645
Delta R.T. 0.212 min
Lab File: BF124285.D
Acq: 12 Jun 2021 14:33

Tgt Ion:276 Resp: 1839
Ion Ratio Lower Upper
276 100
277 21.4 18.2 27.2
138 15.8 13.8 20.6

