

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124217.D
 Acq On : 9 Jun 2021 19:51
 Operator : JU/CG
 Sample : M2589-19RE 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 10 01:55:03 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)

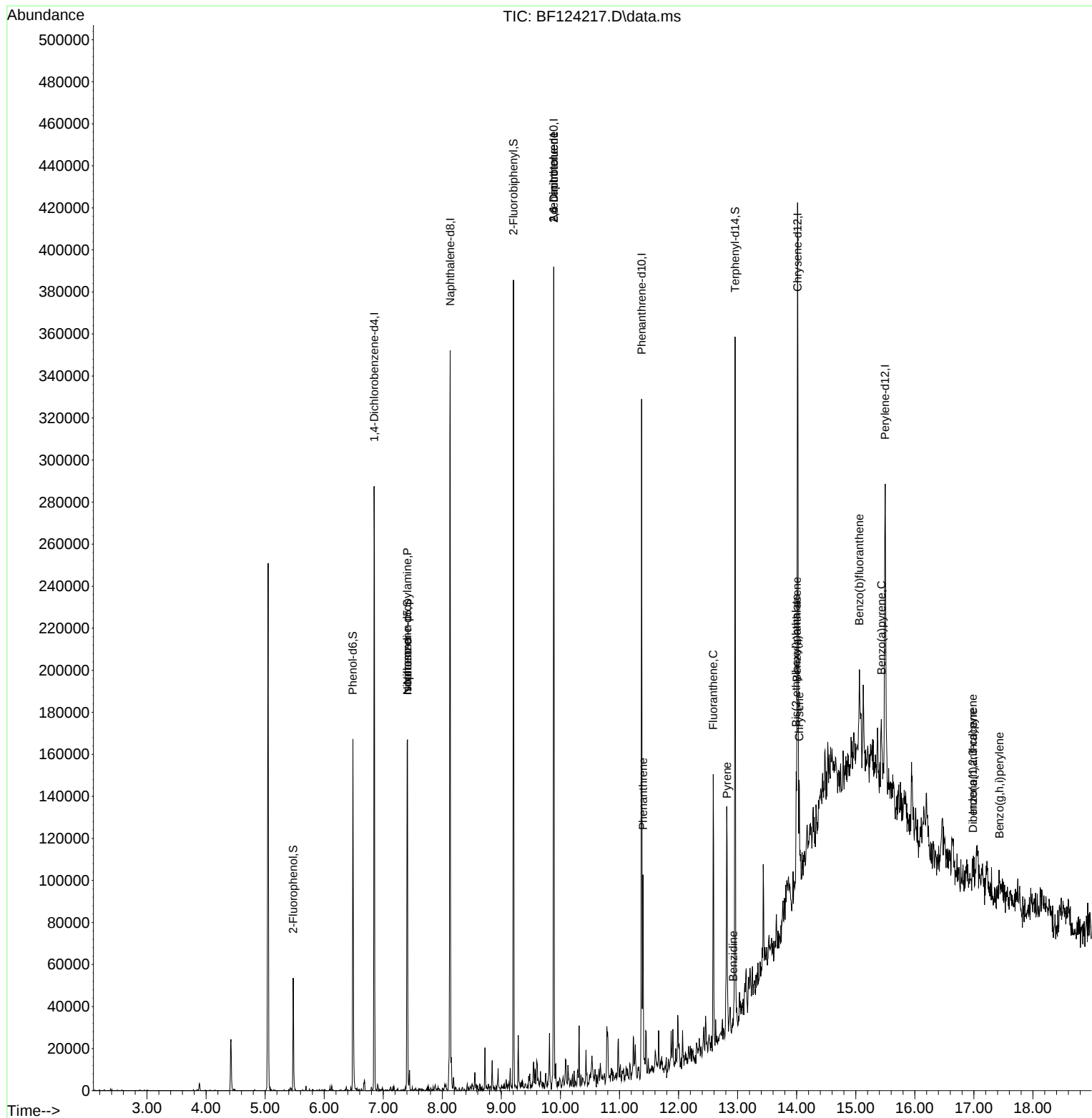
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	36146	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	133754	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	64659	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	98232	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	92163	20.000	ng	0.00
86) Perylene-d12	15.498	264	53246	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	12364	5.149	ng	0.00
7) Phenol-d6	6.487	99	39286	12.172	ng	-0.01
23) Nitrobenzene-d5	7.410	82	48804	14.472	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	436	0.476	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	89494	17.417	ng	0.00
79) Terphenyl-d14	12.957	244	79604	11.859	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	7330	3.217	ng	# 63
25) Isophorone	7.410	82	48803	8.031	ng	# 69
51) 2,6-Dinitrotoluene	9.886	165	8379	6.831	ng	# 13
57) 2,4-Dinitrotoluene	9.886	165	8379	5.180	ng	# 18
71) Phenanthrene	11.398	178	26944	4.391	ng	# 96
75) Fluoranthene	12.586	202	40917	6.352	ng	97
77) Benzidine	12.927	184	106	4.106	ng	# 1
78) Pyrene	12.822	202	38120	4.307	ng	97
81) Benzo(a)anthracene	14.004	228	19403	2.890	ng	95
83) Chrysene	14.045	228	18719	2.890	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.992	149	8775	2.055	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.980	276	7553	5.886	ng	# 80
88) Benzo(b)fluoranthene	15.063	252	23749	5.742	ng	# 91
90) Benzo(a)pyrene	15.433	252	12051	3.354	ng	# 85
91) Dibenzo(a,h)anthracene	16.986	278	2999	4.899	ng	# 67
92) Benzo(g,h,i)perylene	17.433	276	7431	5.640	ng	# 75

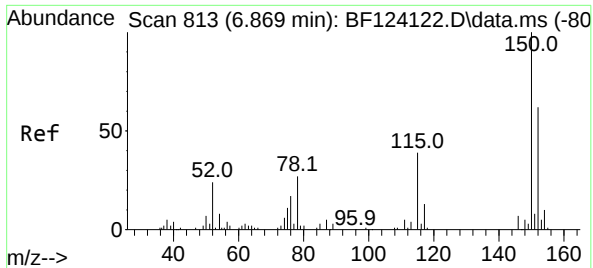
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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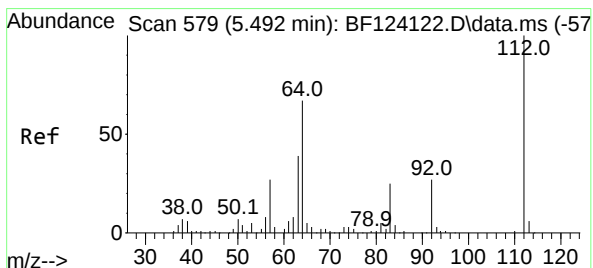
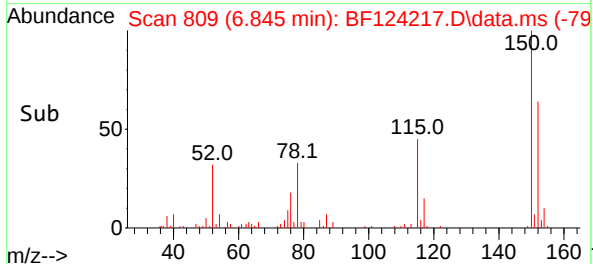
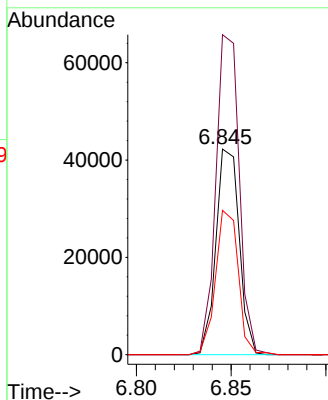
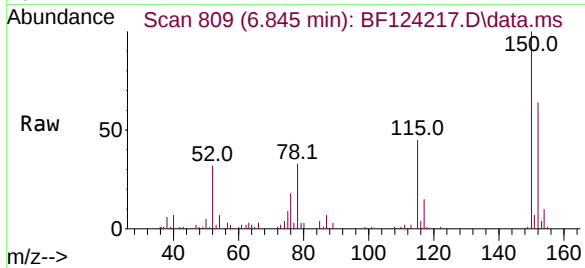




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

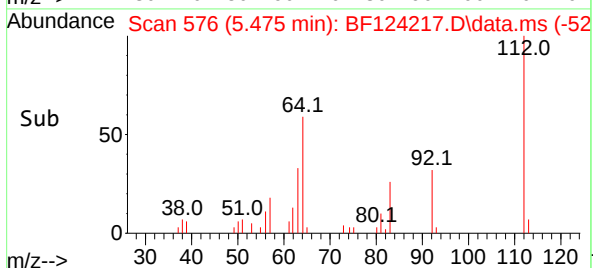
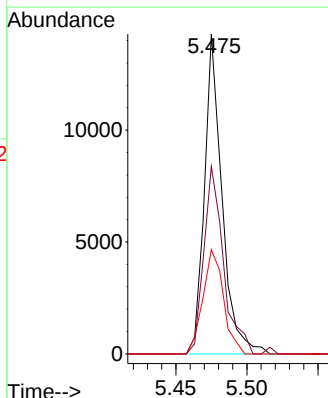
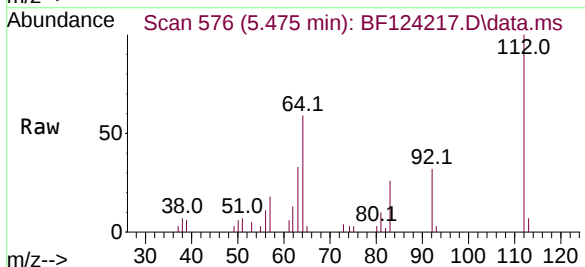
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

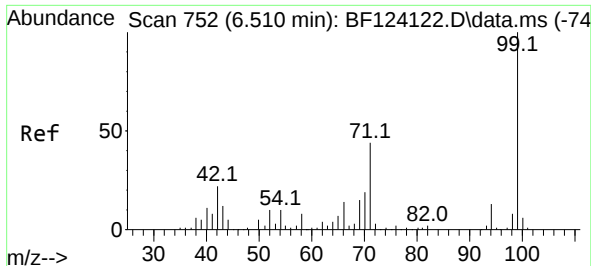
Tgt Ion:152 Resp: 36146
Ion Ratio Lower Upper
152 100
150 155.6 127.0 190.6
115 70.2 54.3 81.5



#5
2-Fluorophenol
Concen: 5.149 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:112 Resp: 12364
Ion Ratio Lower Upper
112 100
64 58.6 61.4 92.0#
63 32.6 33.0 49.4#

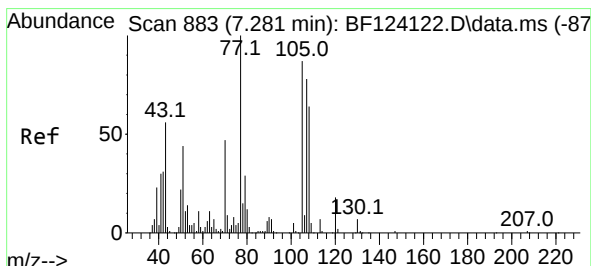
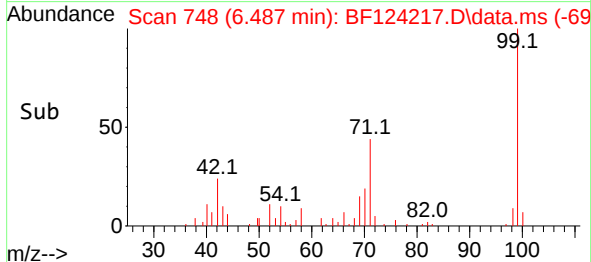
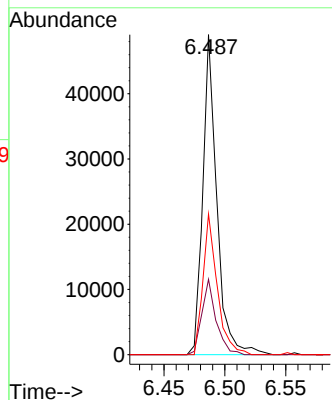
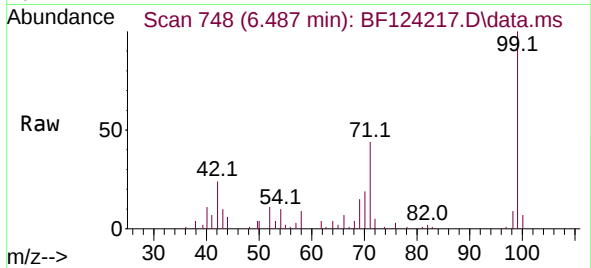




#7
Phenol-d6
Concen: 12.172 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

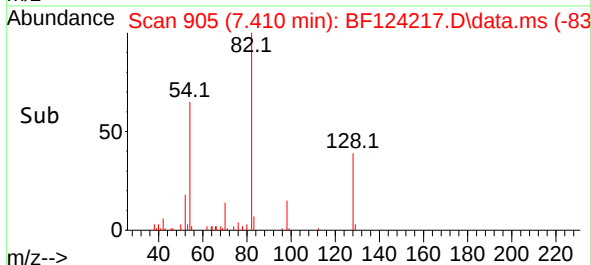
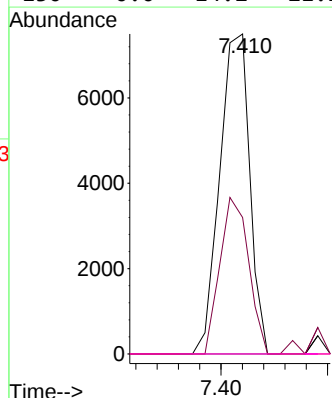
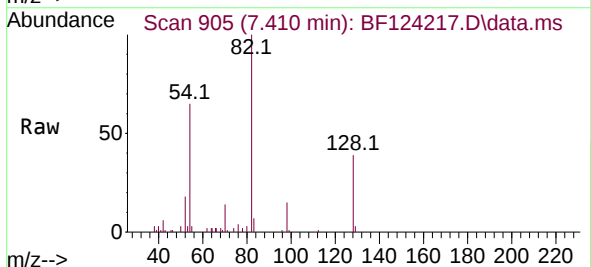
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

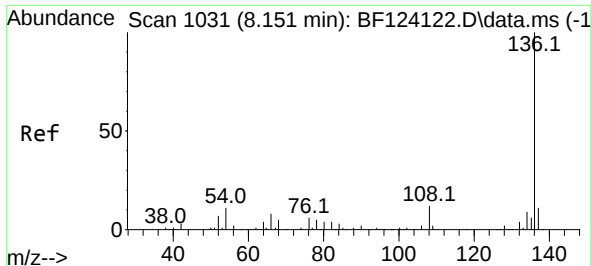
Tgt Ion: 99 Resp: 39286
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.8
71 43.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.217 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

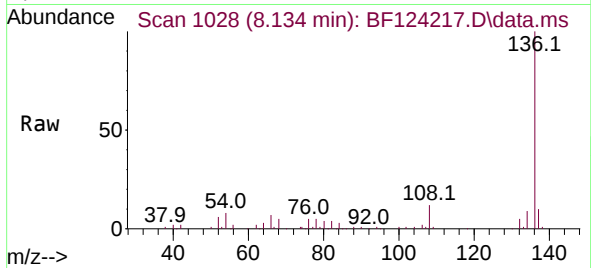
Tgt Ion: 70 Resp: 7330
Ion Ratio Lower Upper
70 100
42 42.6 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



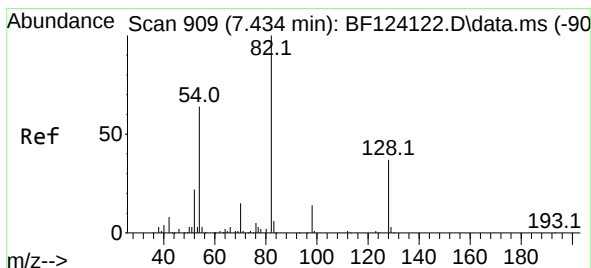
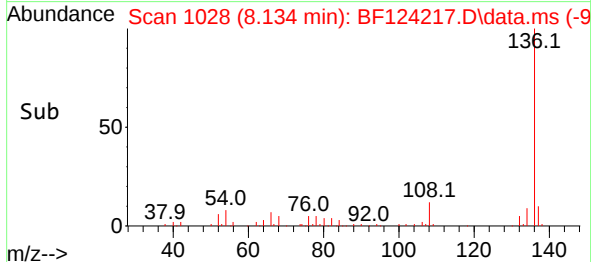
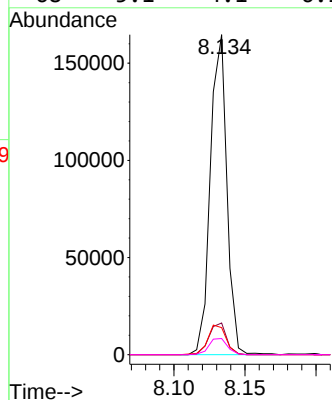


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

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

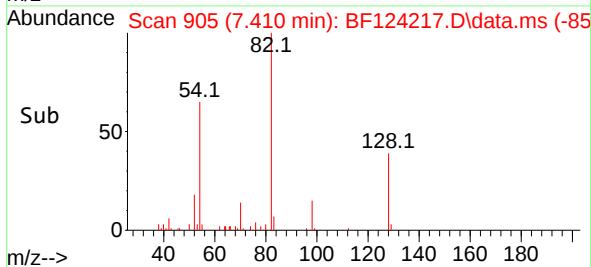
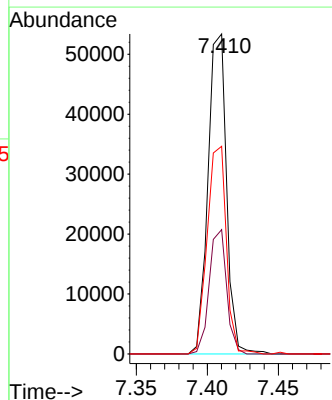
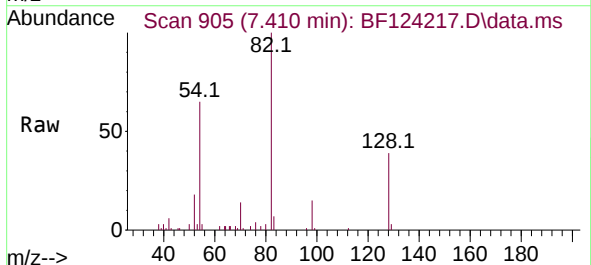


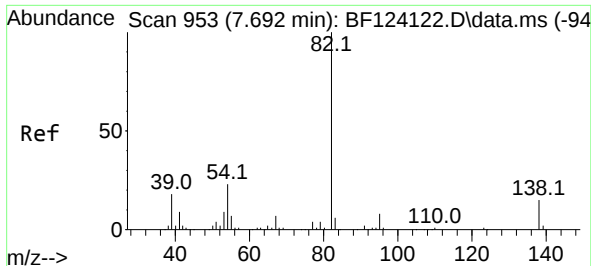
Tgt Ion:136 Resp: 133754
Ion Ratio Lower Upper
136 100
137 9.9 8.7 13.1
54 8.5 9.8 14.6#
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 14.472 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion: 82 Resp: 48804
Ion Ratio Lower Upper
82 100
128 38.8 29.4 44.2
54 64.9 54.1 81.1

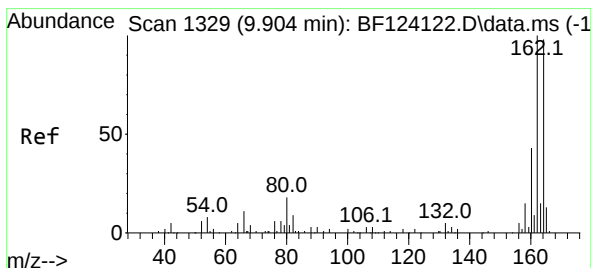
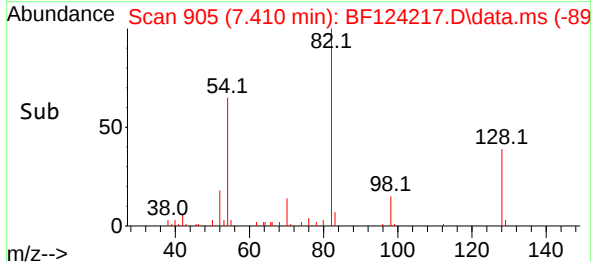
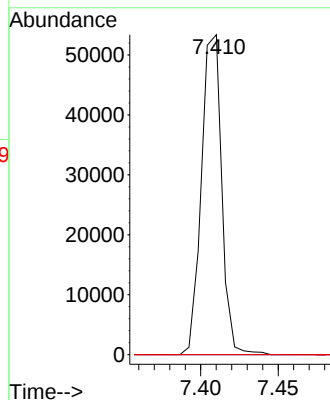
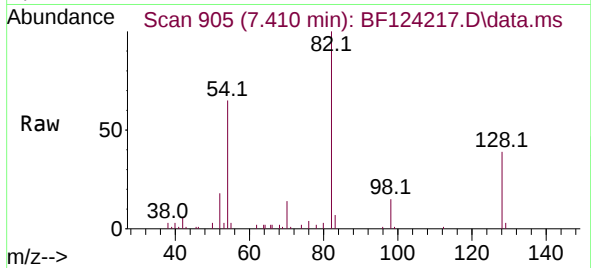




#25
Isophorone
Concen: 8.031 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

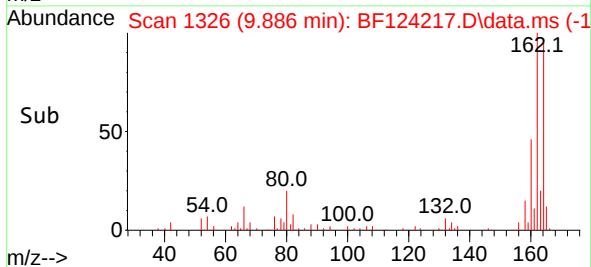
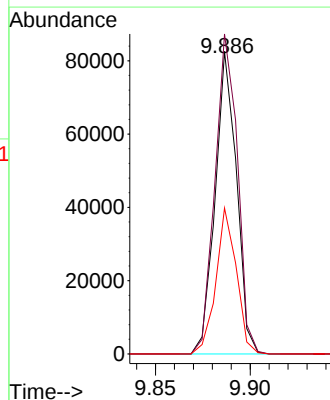
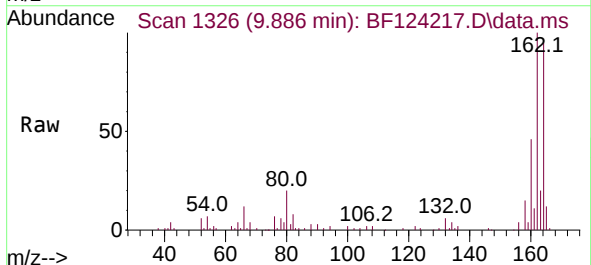
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

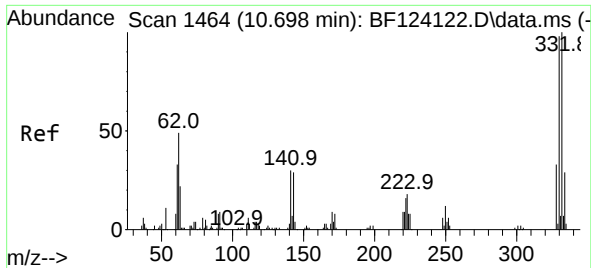
Tgt Ion: 82 Resp: 48803
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion: 164 Resp: 64659
Ion Ratio Lower Upper
164 100
162 105.8 80.7 121.1
160 48.2 37.3 55.9

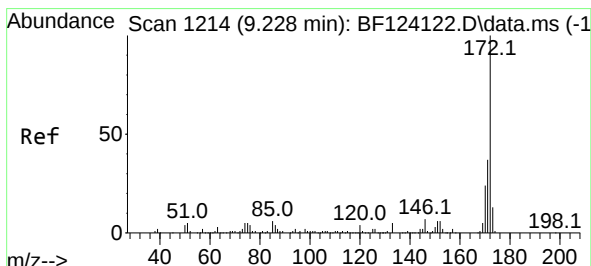
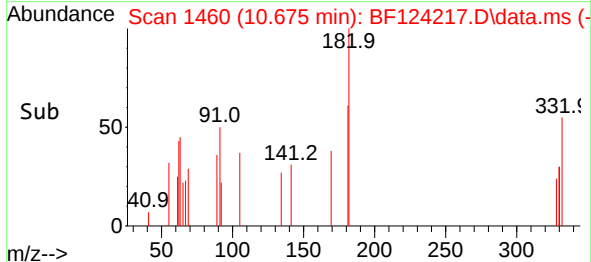
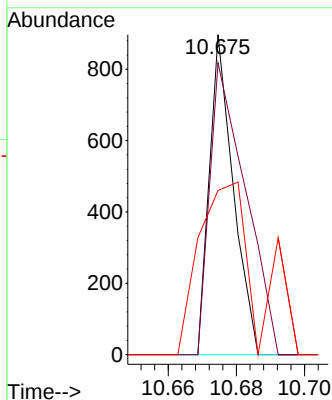
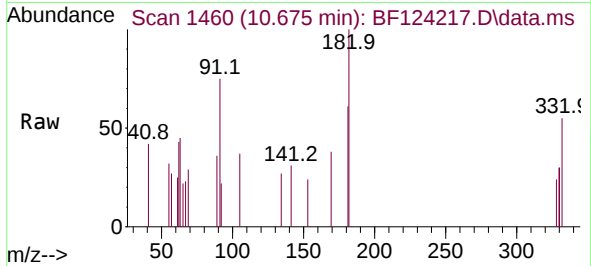




#42
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

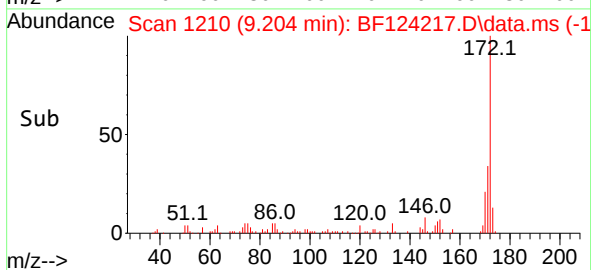
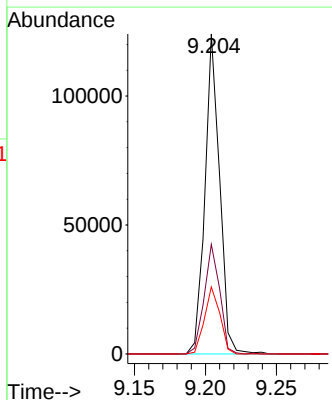
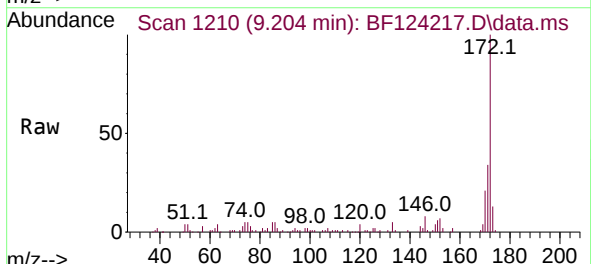
Instrument :
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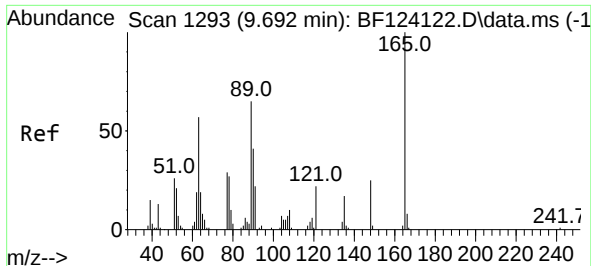
Tgt Ion: 330 Resp: 436
Ion Ratio Lower Upper
330 100
332 136.2 77.1 115.7#
141 129.6 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 17.417 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion: 172 Resp: 89494
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 20.9 19.2 28.8

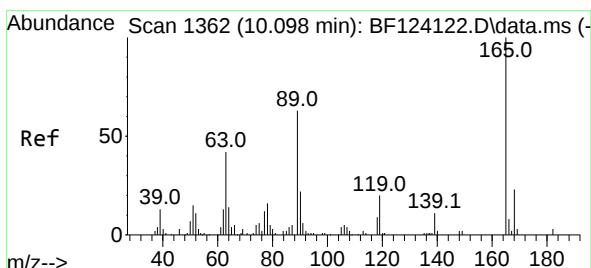
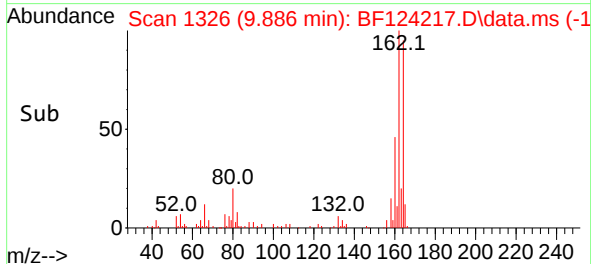
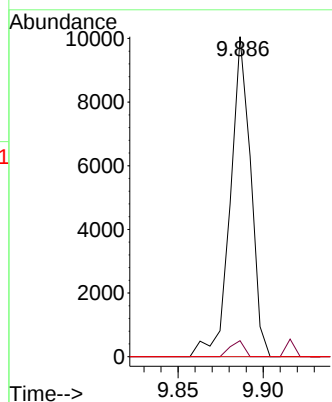
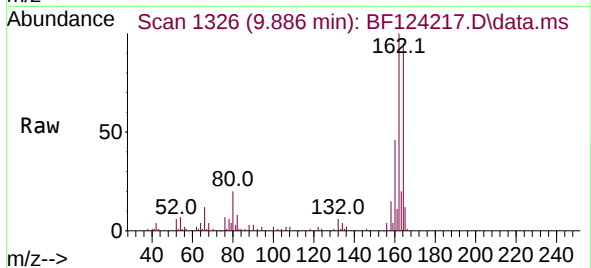




#51
2,6-Dinitrotoluene
Concen: 6.831 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

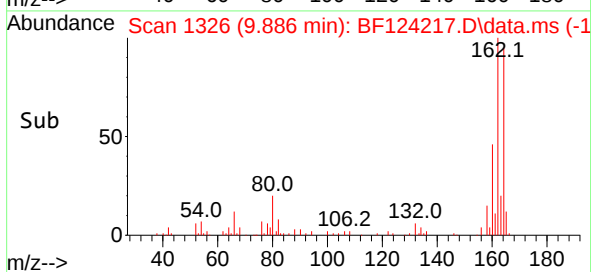
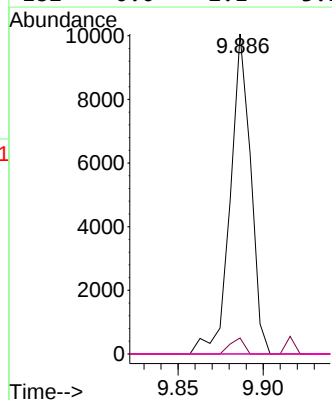
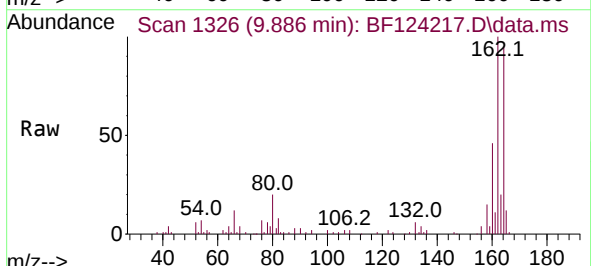
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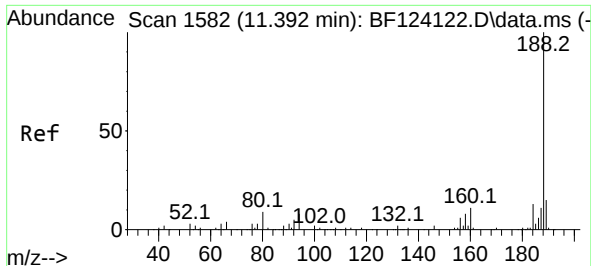
Tgt Ion:165 Resp: 8379
Ion Ratio Lower Upper
165 100
63 5.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.180 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:165 Resp: 8379
Ion Ratio Lower Upper
165 100
63 5.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

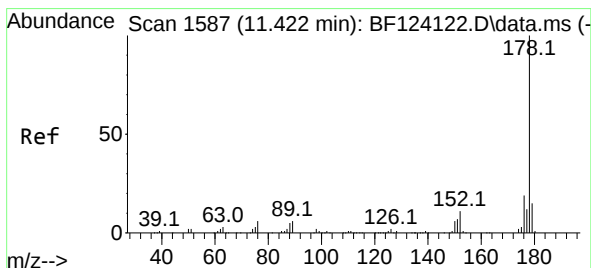
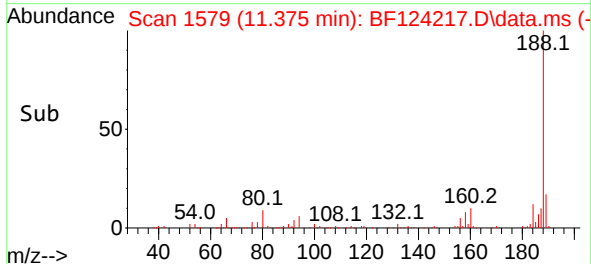
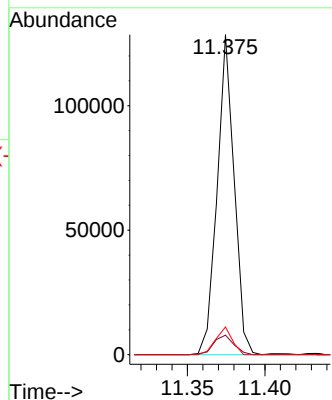
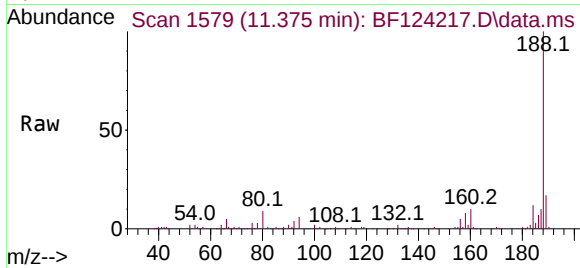




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

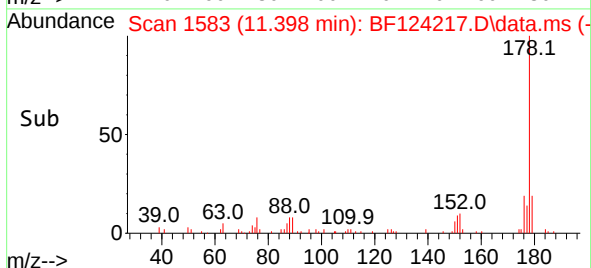
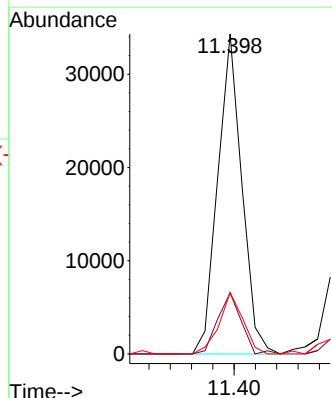
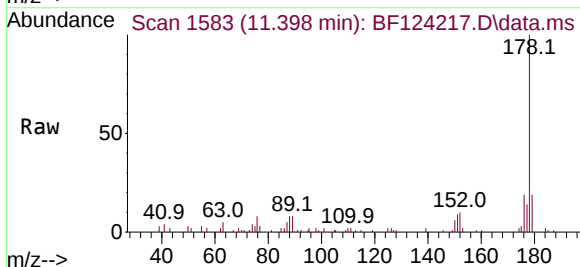
Instrument :
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18-B12(2-4)RE

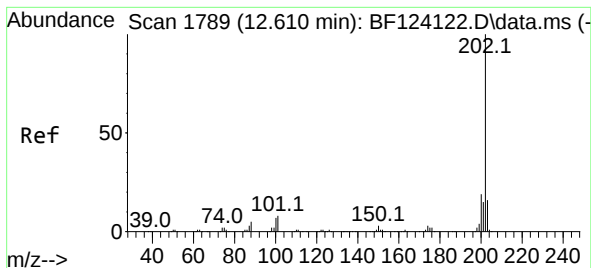
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Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.6 8.2 12.2



#71
Phenanthrene
Concen: 4.391 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:178 Resp: 26944
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 19.2 12.5 18.7#

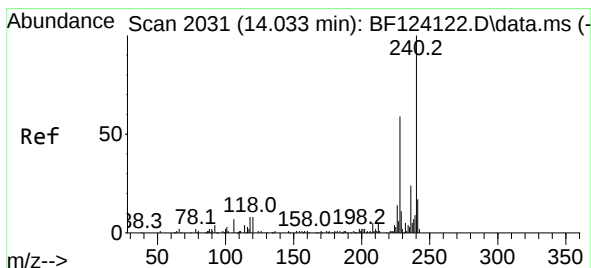
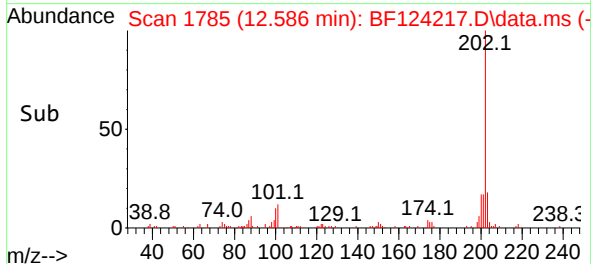
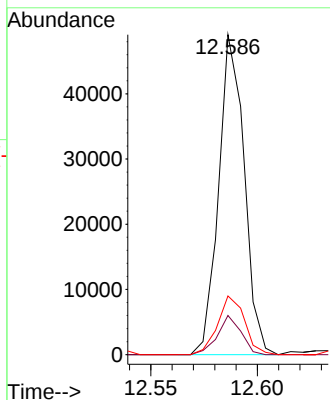
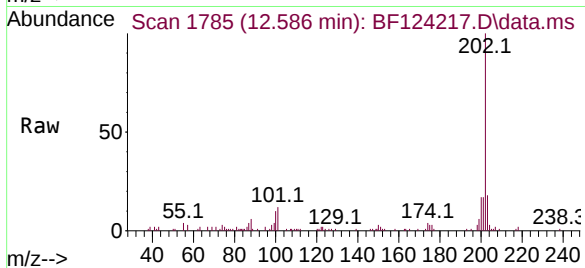




#75
Fluoranthene
Concen: 6.352 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

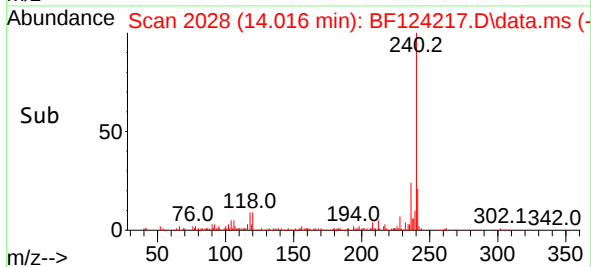
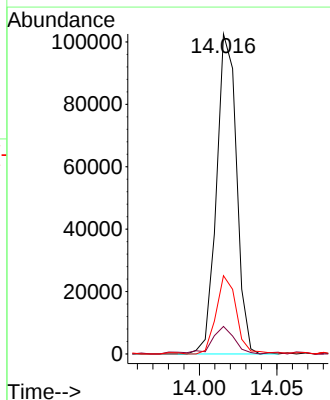
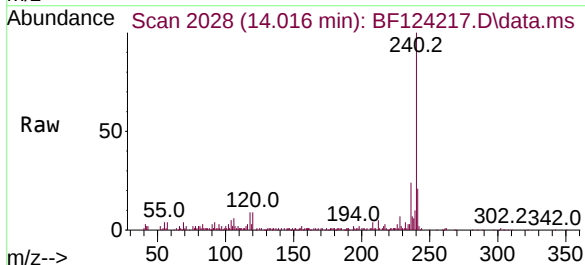
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

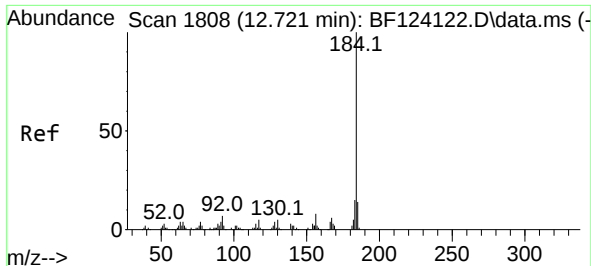
Tgt Ion:202 Resp: 40917
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.9
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:240 Resp: 92163
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 24.5 19.0 28.4

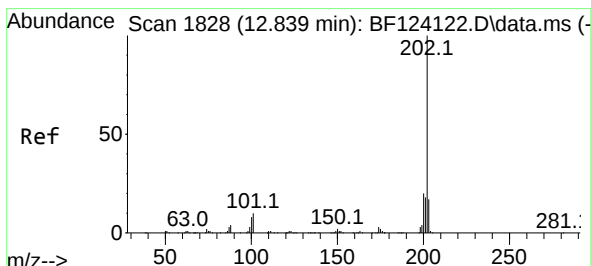
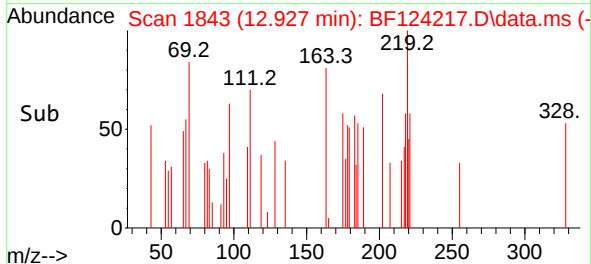
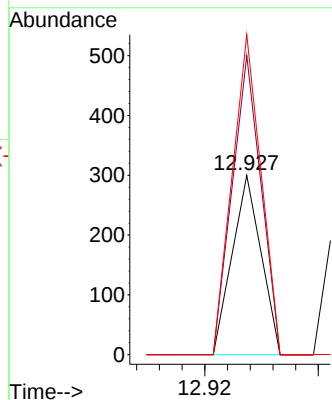
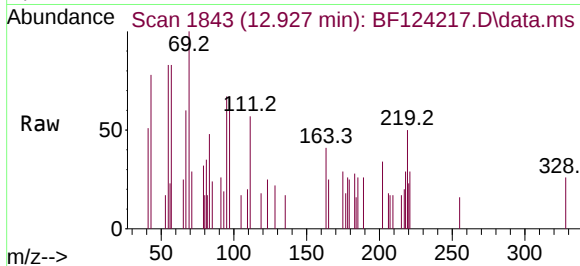




#77
Benzidine
Concen: 4.106 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.218 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

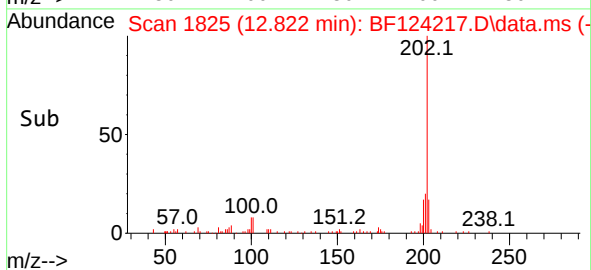
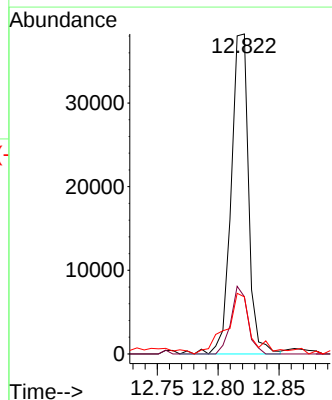
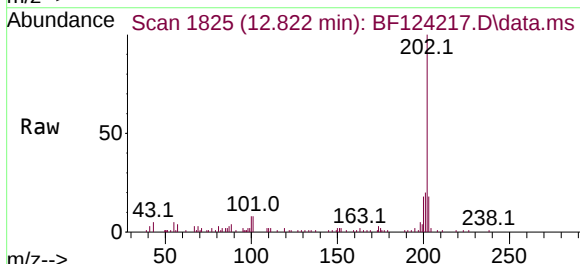
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

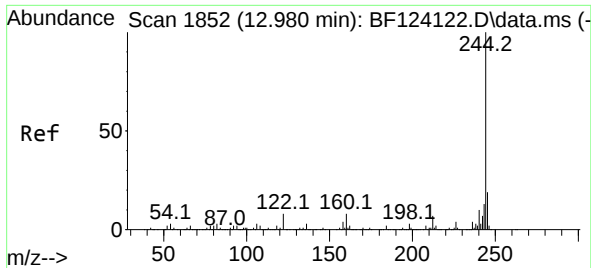
Tgt Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
185 166.7 12.1 18.1#
183 178.3 7.8 11.8#



#78
Pyrene
Concen: 4.307 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:202 Resp: 38120
Ion Ratio Lower Upper
202 100
200 17.9 16.1 24.1
203 17.9 14.8 22.2

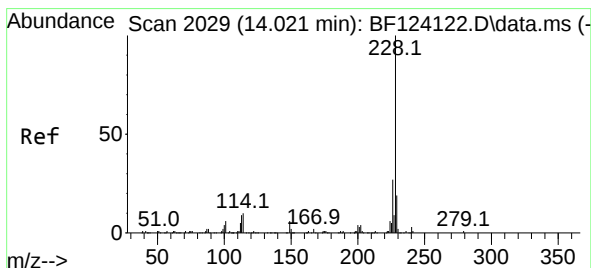
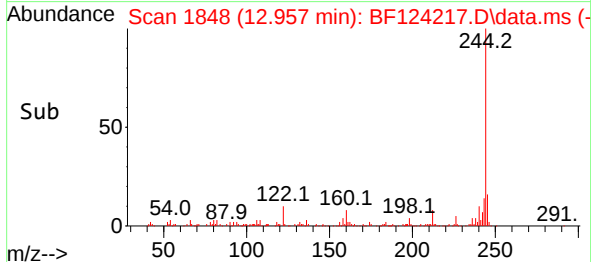
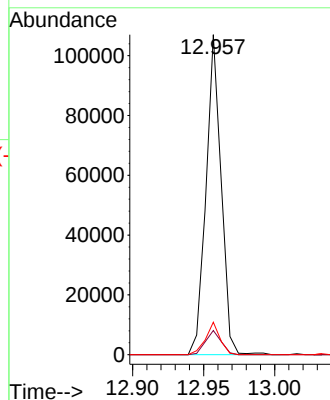
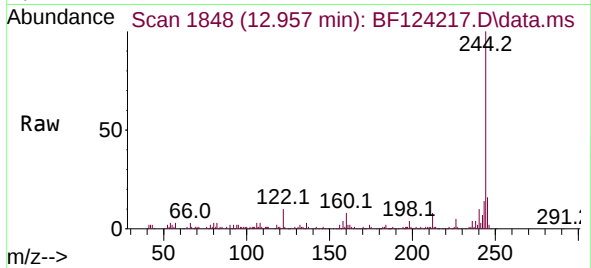




#79
 Terphenyl-d14
 Concen: 11.859 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124217.D
 Acq: 9 Jun 2021 19:51

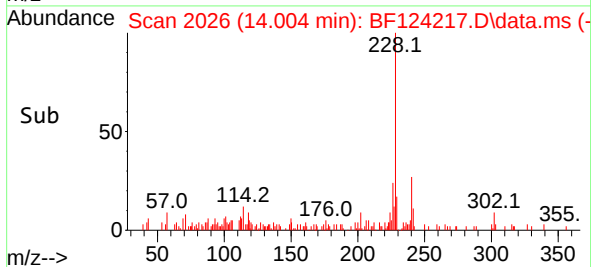
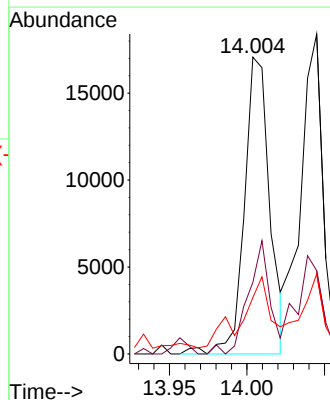
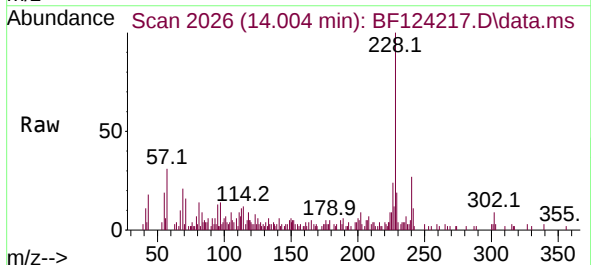
Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)RE

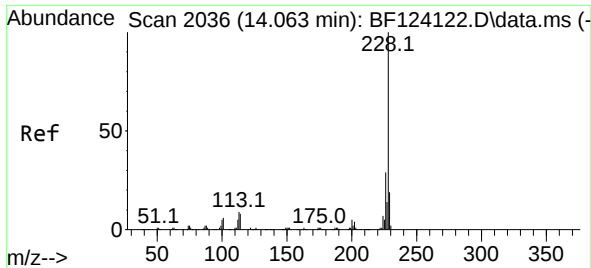
Tgt Ion:244 Resp: 79604
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 10.2 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 2.890 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF124217.D
 Acq: 9 Jun 2021 19:51

Tgt Ion:228 Resp: 19403
 Ion Ratio Lower Upper
 228 100
 226 24.1 22.4 33.6
 229 19.0 16.0 24.0

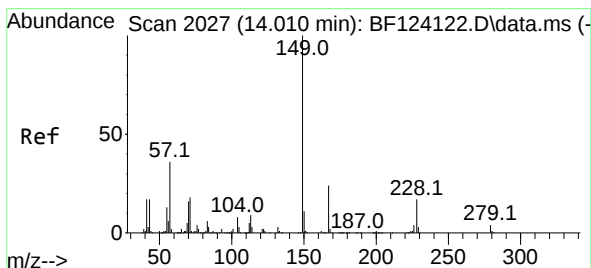
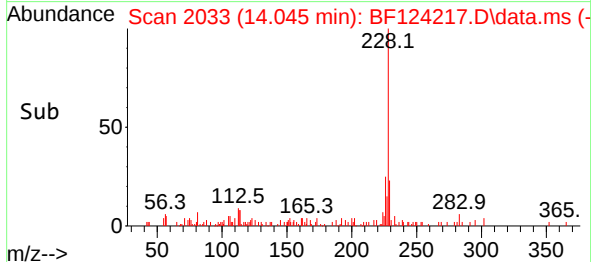
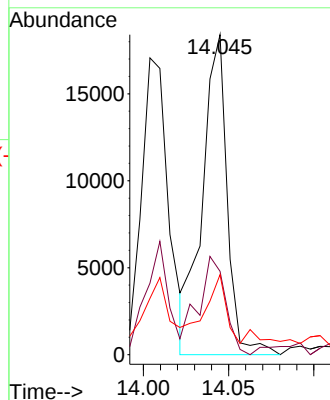
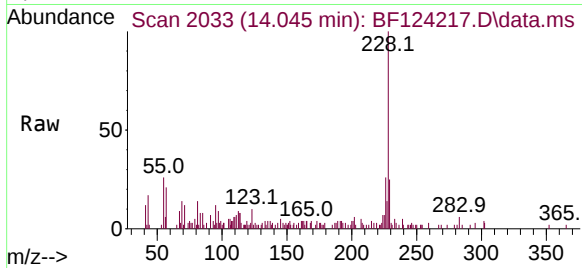




#83
Chrysene
Concen: 2.890 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

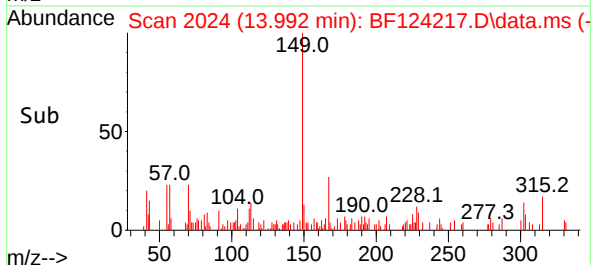
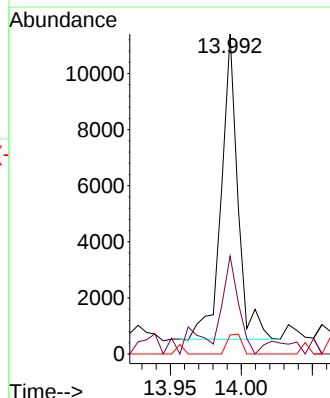
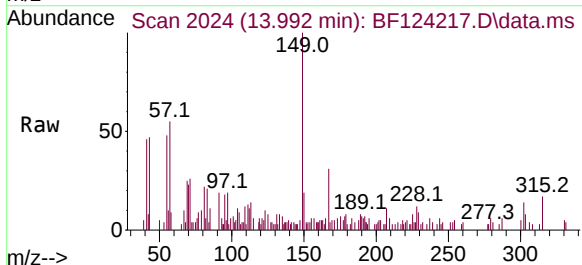
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

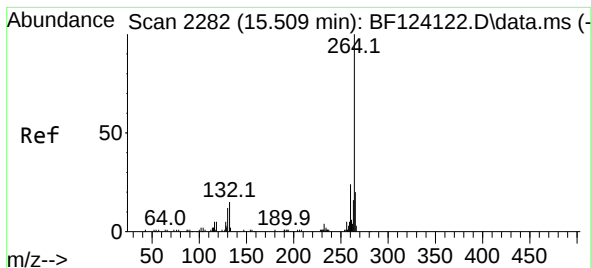
Tgt Ion:228 Resp: 18719
Ion Ratio Lower Upper
228 100
226 26.0 24.3 36.5
229 25.0 16.2 24.2#



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.055 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:149 Resp: 8775
Ion Ratio Lower Upper
149 100
167 30.6 21.8 32.6
279 6.0 3.3 4.9#

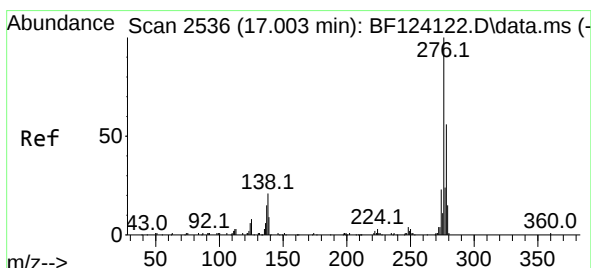
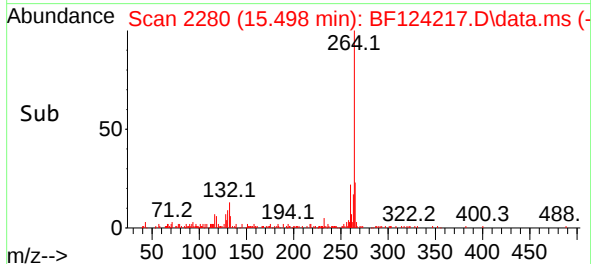
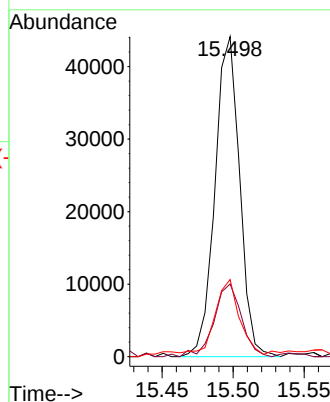
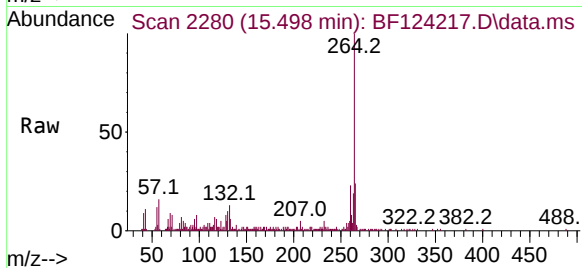




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

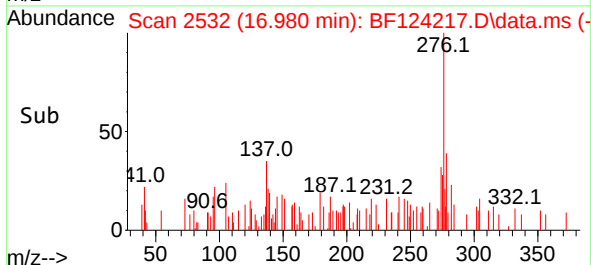
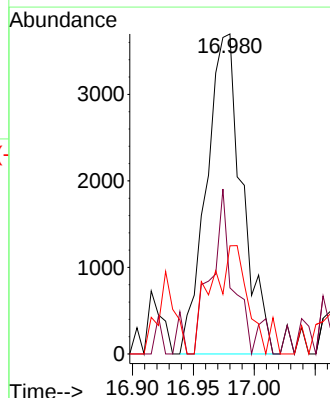
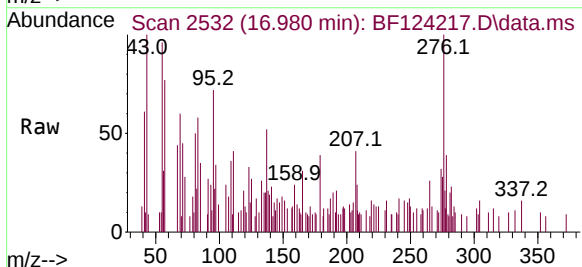
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

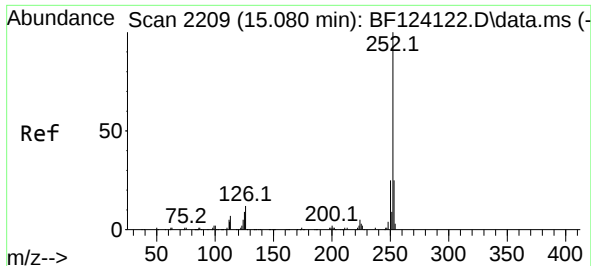
Tgt Ion:264	Resp:	53246
Ion Ratio	Lower	Upper
264	100	
260	22.7	18.7 28.1
265	24.1	17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.886 ng
RT: 16.980 min Scan# 2532
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:276	Resp:	7553
Ion Ratio	Lower	Upper
276	100	
138	30.6	16.2 24.2#
277	33.8	20.1 30.1#

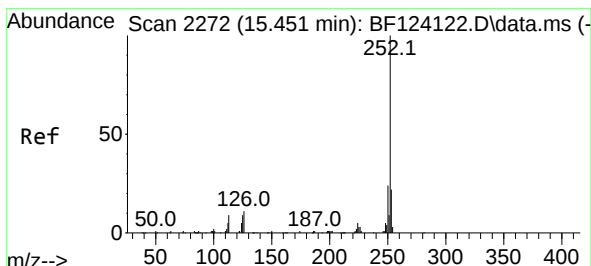
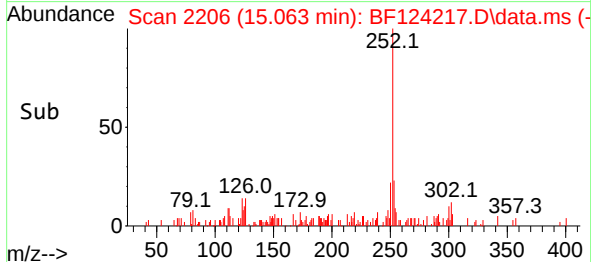
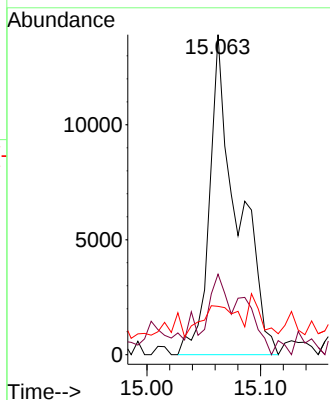
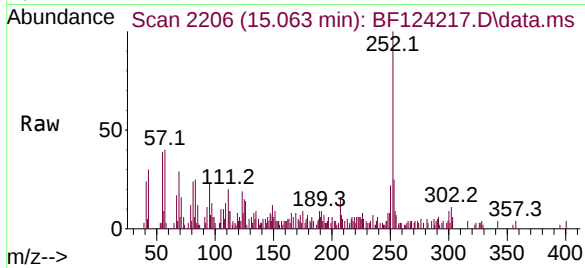




#88
Benzo(b)fluoranthene
Concen: 5.742 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

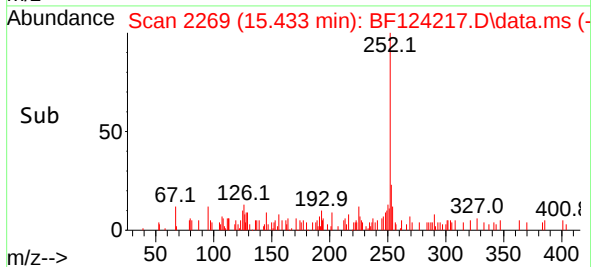
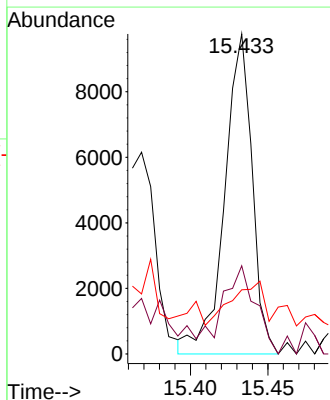
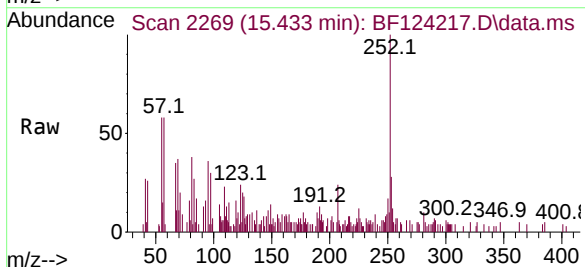
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

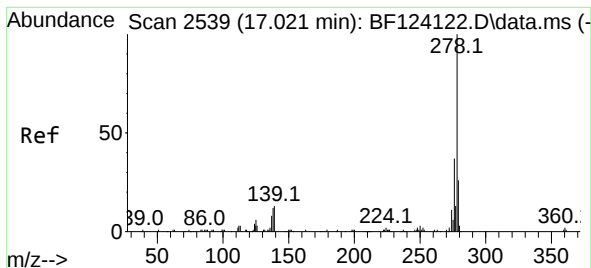
Tgt Ion:252 Resp: 23749
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 15.1 6.2 9.4#



#90
Benzo(a)pyrene
Concen: 3.354 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:252 Resp: 12051
Ion Ratio Lower Upper
252 100
253 27.6 18.4 27.6
125 20.0 8.0 12.0#

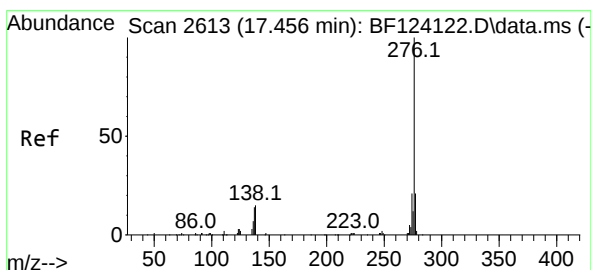
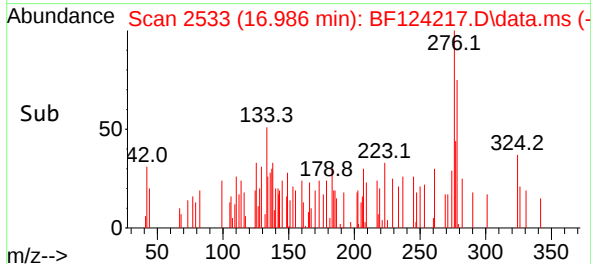
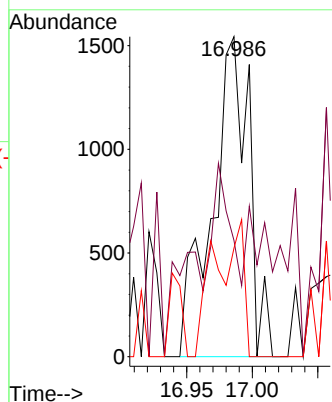
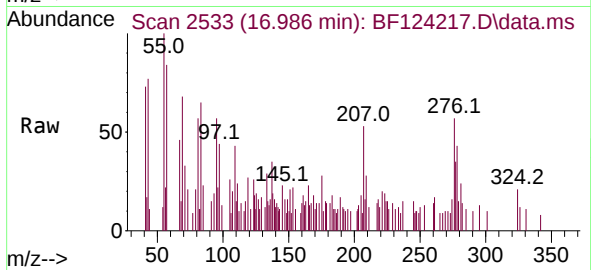




#91
Dibenzo(a,h)anthracene
Concen: 4.899 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

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

Tgt Ion:278 Resp: 2999
Ion Ratio Lower Upper
278 100
139 36.4 10.2 15.2#
279 33.9 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.640 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BF124217.D
Acq: 9 Jun 2021 19:51

Tgt Ion:276 Resp: 7431
Ion Ratio Lower Upper
276 100
277 25.1 18.2 27.2
138 39.3 13.8 20.6#

