

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124147.D
 Acq On : 4 Jun 2021 19:12
 Operator : JU/CG
 Sample : M2584-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-060221

Quant Time: Jun 04 22:51:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

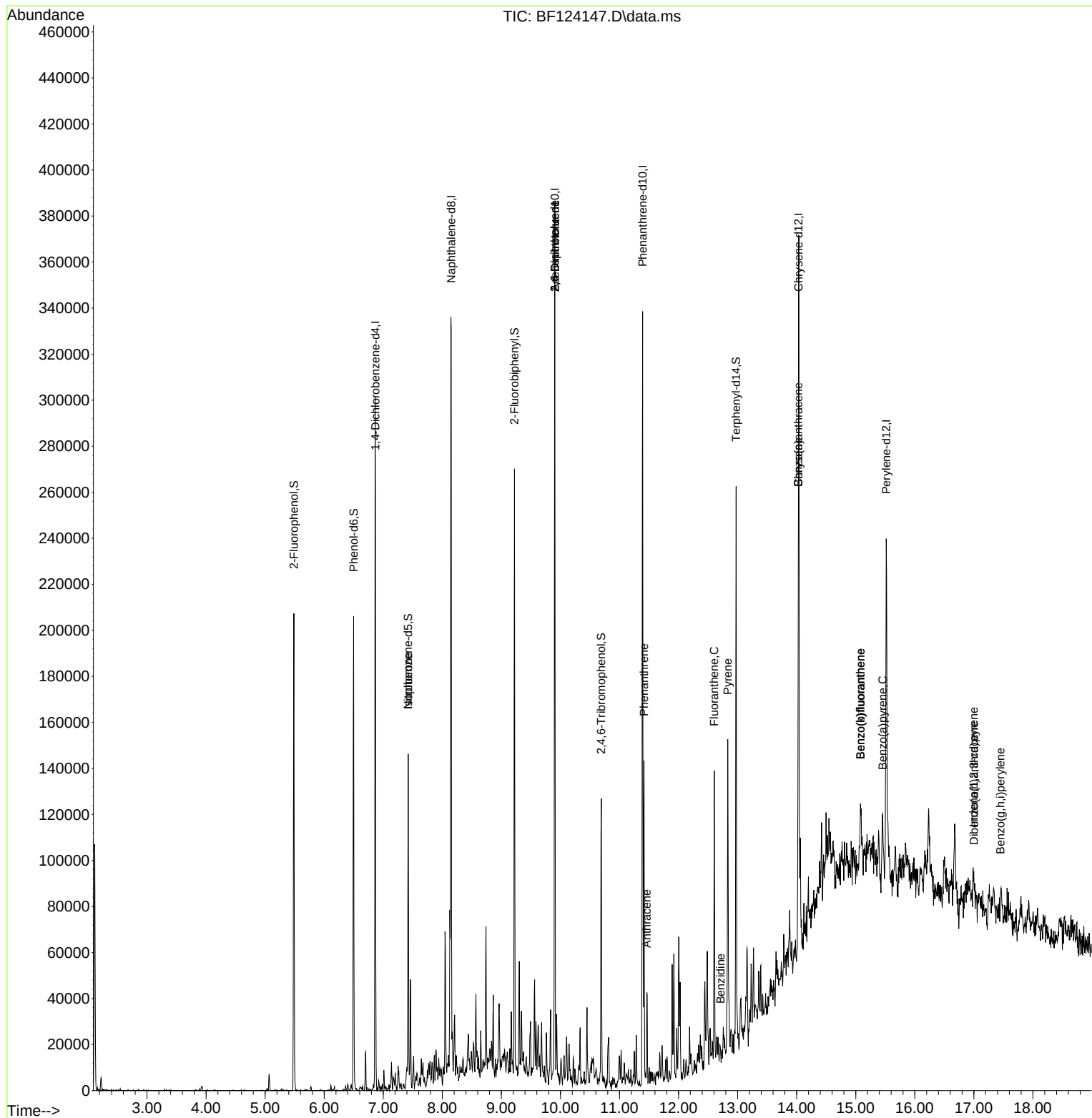
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	35952	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	130252	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	63917	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	106859	20.00	ng	0.00
76) Chrysene-d12	14.033	240	82113	20.00	ng	0.00
86) Perylene-d12	15.515	264	58189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	42863	17.95	ng	0.00
7) Phenol-d6	6.498	99	49668	15.47	ng	-0.01
23) Nitrobenzene-d5	7.422	82	37773	11.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	11749	12.97	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	63620	12.53	ng	0.00
79) Terphenyl-d14	12.974	244	60478	10.11	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.422	82	37631	6.36	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	8177	6.74	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	8177	5.11	ng	# 15
71) Phenanthrene	11.416	178	46128	6.91	ng	97
72) Anthracene	11.463	178	15105	2.25	ng	93
75) Fluoranthene	12.604	202	38210	5.45	ng	96
77) Benzidine	12.710	184	114	4.12	ng	# 68
78) Pyrene	12.833	202	50396	6.39	ng	97
81) Benzo(a)anthracene	14.027	228	17809	2.98	ng	92
83) Chrysene	14.027	228	17809	3.09	ng	95
87) Indeno(1,2,3-cd)pyrene	16.998	276	5199	5.31	ng	# 87
88) Benzo(b)fluoranthene	15.080	252	17036	3.77	ng	# 94
89) Benzo(k)fluoranthene	15.080	252	17036	3.98	ng	# 95
90) Benzo(a)pyrene	15.457	252	11578	2.95	ng	# 95
91) Dibenzo(a,h)anthracene	17.004	278	1064	4.41	ng	# 37
92) Benzo(g,h,i)perylene	17.451	276	3070	4.50	ng	# 66

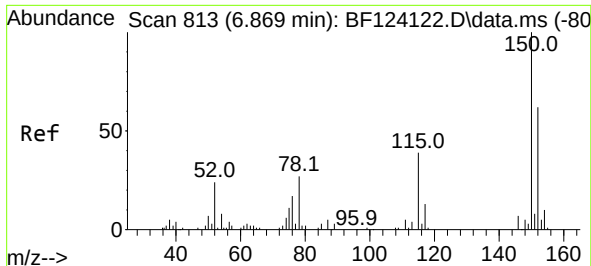
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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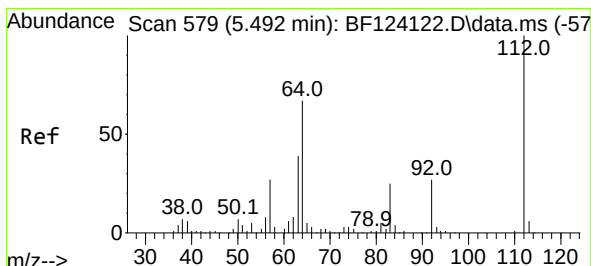
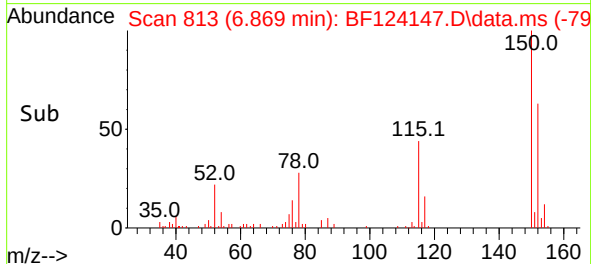
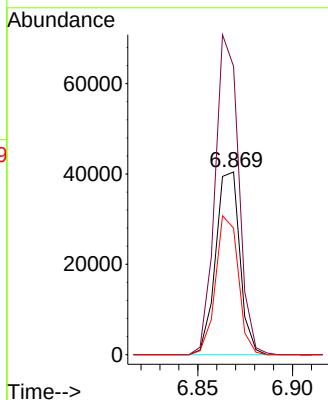
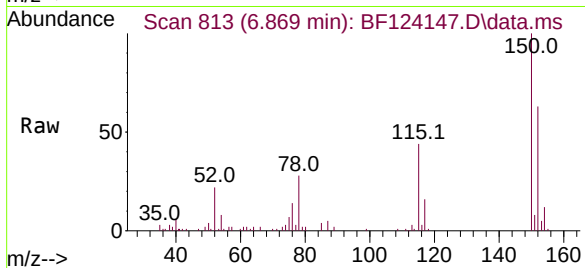




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

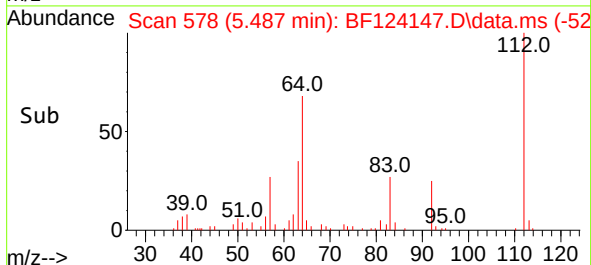
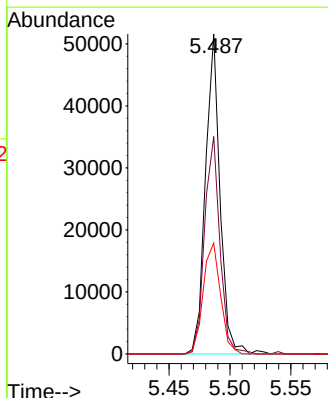
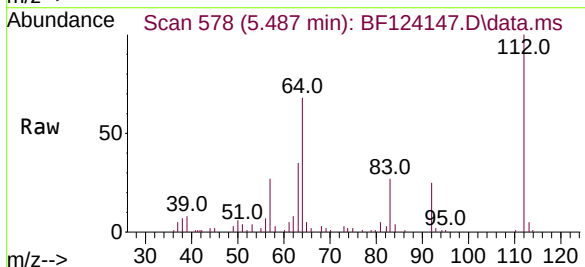
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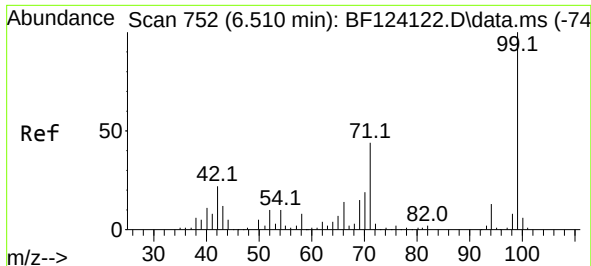
Tgt Ion:152 Resp: 35952
Ion Ratio Lower Upper
152 100
150 157.7 127.0 190.6
115 69.3 54.3 81.5



#5
2-Fluorophenol
Concen: 17.95 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:112 Resp: 42863
Ion Ratio Lower Upper
112 100
64 68.0 61.4 92.0
63 34.6 33.0 49.4

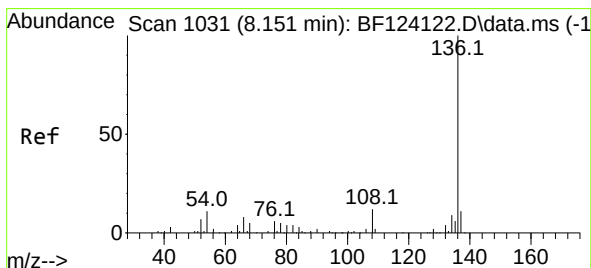
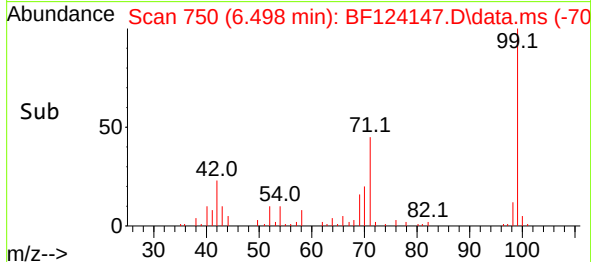
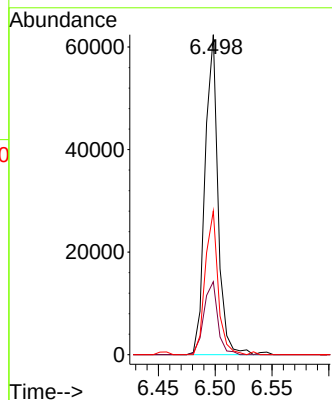
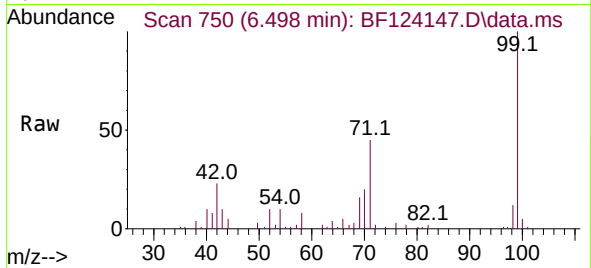




#7
Phenol-d6
Concen: 15.47 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

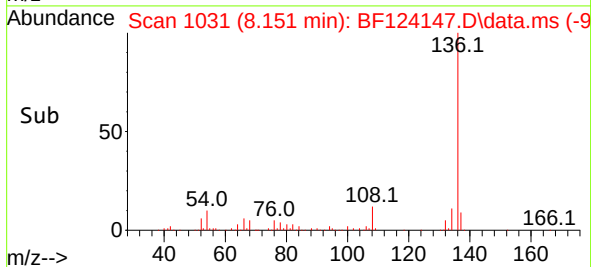
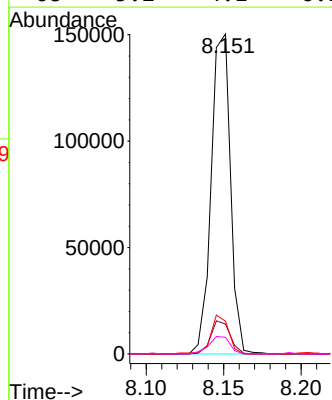
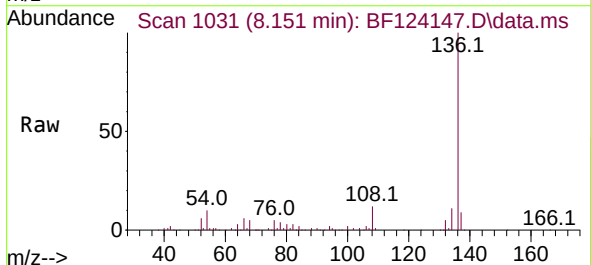
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

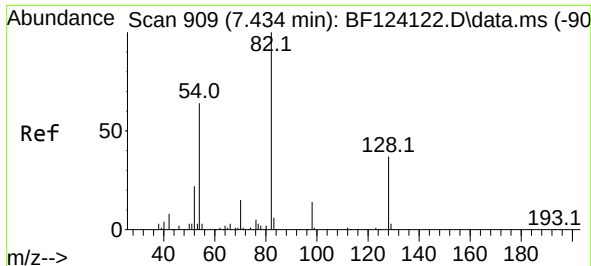
Tgt Ion: 99 Resp: 49668
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.8
71 44.9 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion: 136 Resp: 130252
Ion Ratio Lower Upper
136 100
137 9.4 8.7 13.1
54 10.2 9.8 14.6
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.50 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF124147.D

Acq: 4 Jun 2021 19:12

Instrument :

BNA_F

ClientSampleId :

EO-03-060221

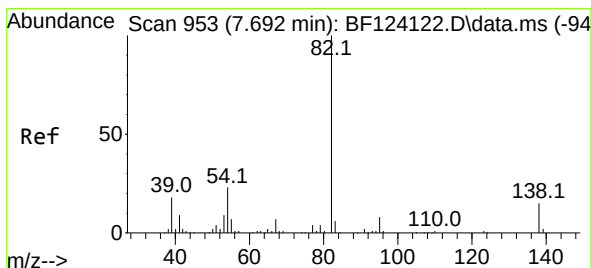
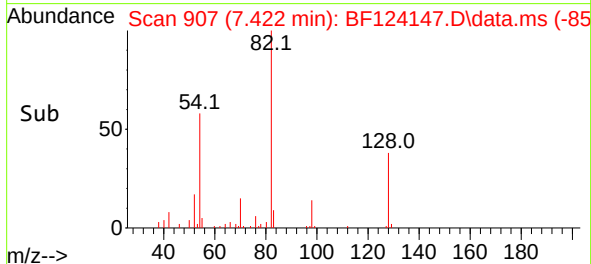
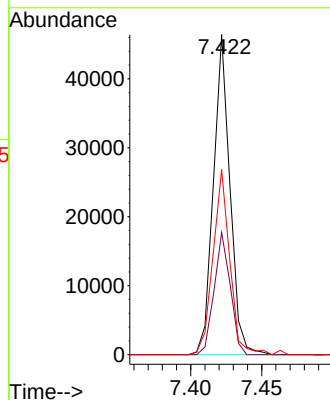
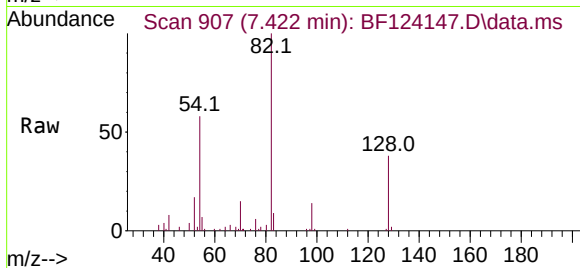
Tgt Ion: 82 Resp: 37773

Ion Ratio Lower Upper

82 100

128 38.3 29.4 44.2

54 57.9 54.1 81.1



#25

Isophorone

Concen: 6.36 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.271 min

Lab File: BF124147.D

Acq: 4 Jun 2021 19:12

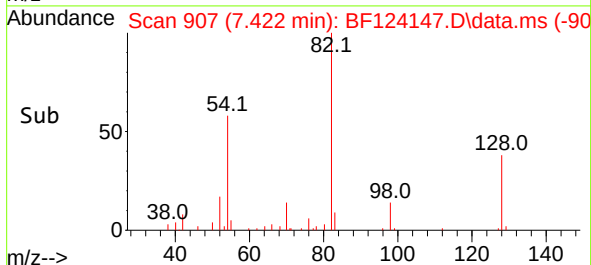
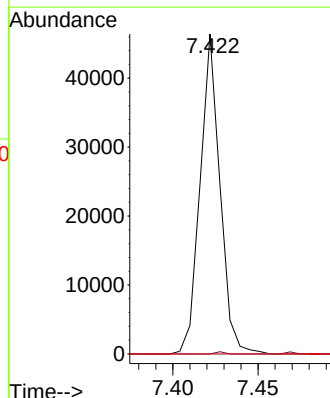
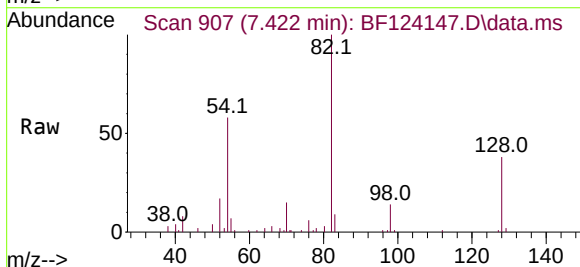
Tgt Ion: 82 Resp: 37631

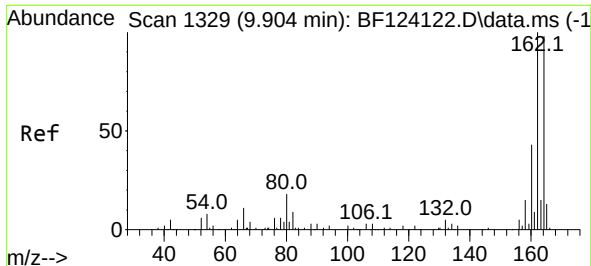
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#

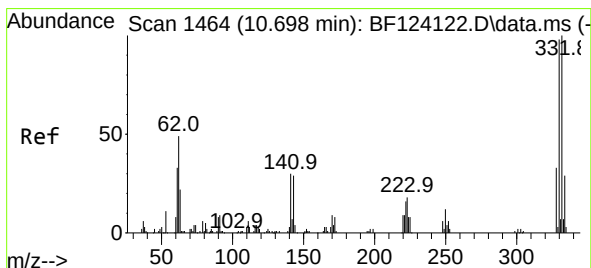
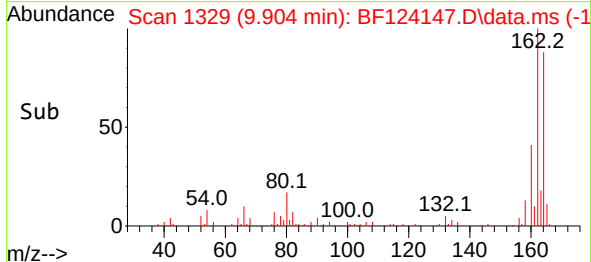
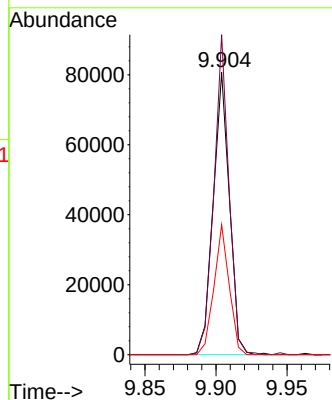
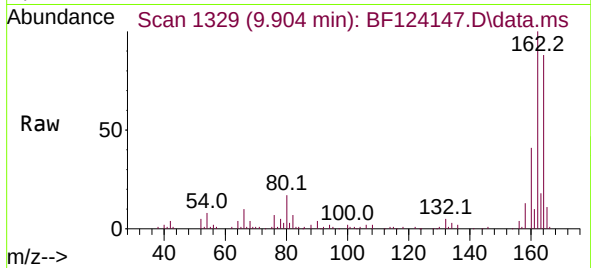




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

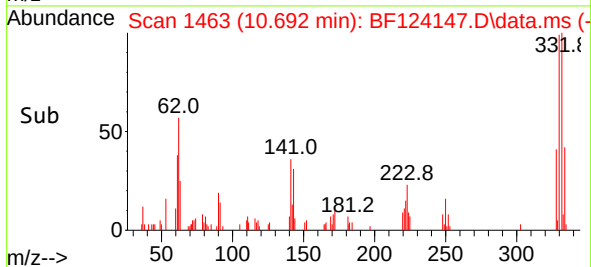
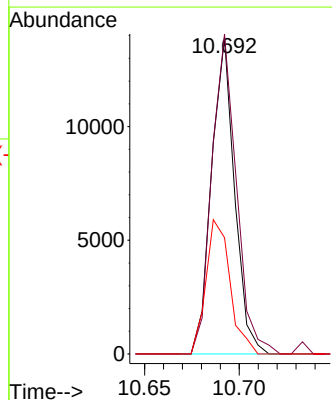
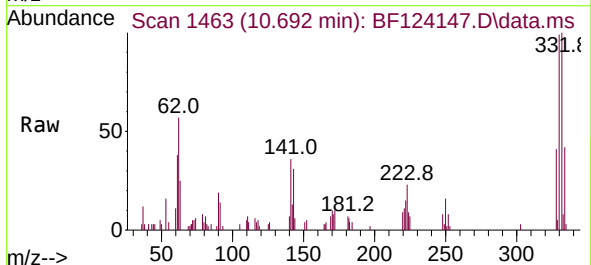
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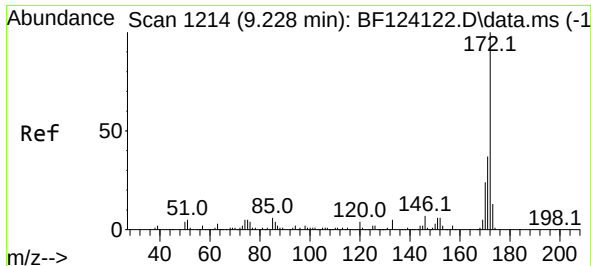
Tgt Ion:164 Resp: 63917
Ion Ratio Lower Upper
164 100
162 113.4 80.7 121.1
160 46.0 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 12.97 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:330 Resp: 11749
Ion Ratio Lower Upper
330 100
332 108.0 77.1 115.7
141 44.5 27.9 41.9#

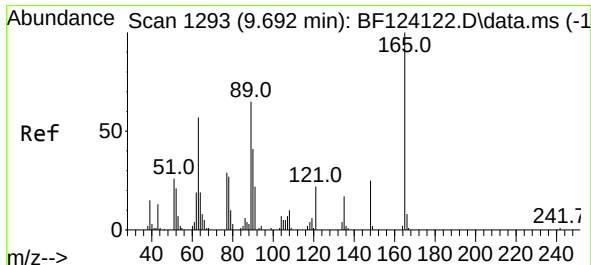
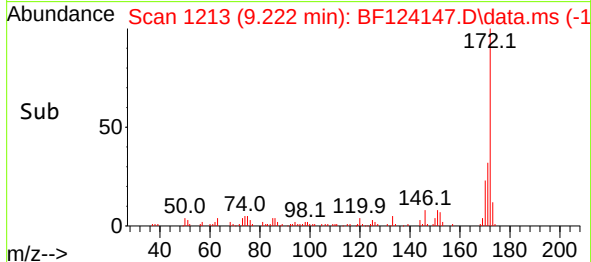
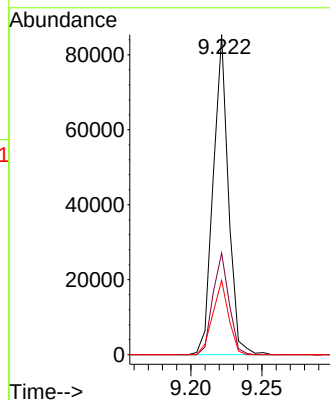
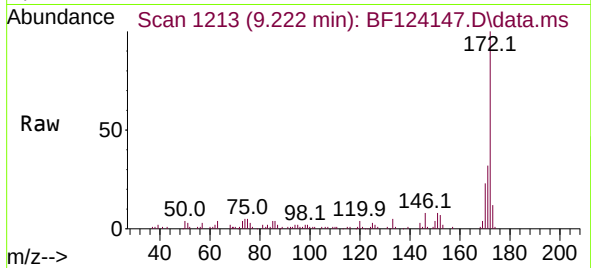




#45
2-Fluorobiphenyl
Concen: 12.53 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

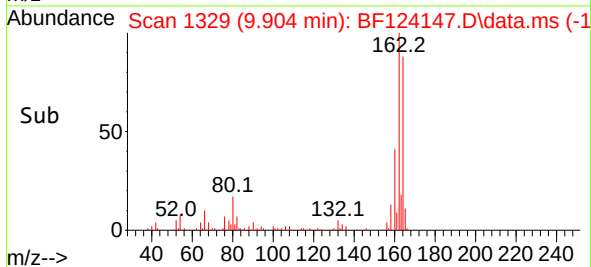
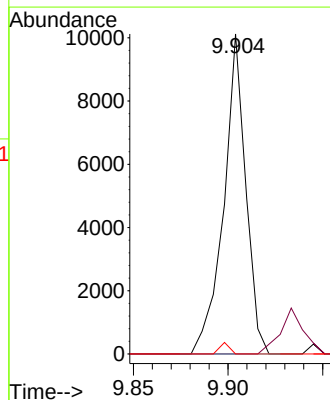
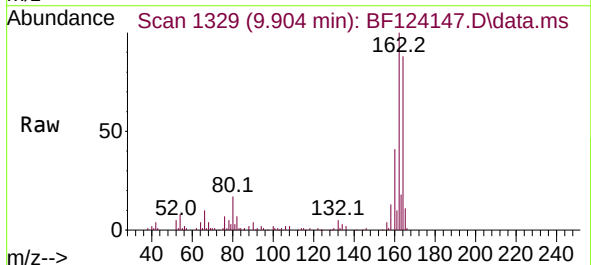
Instrument :
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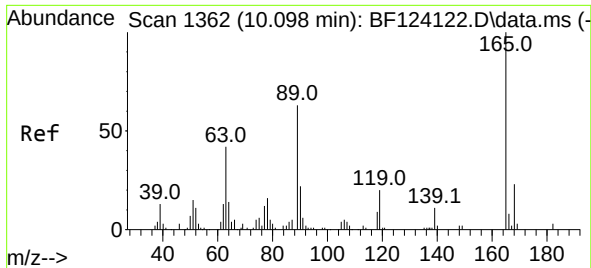
Tgt Ion:172 Resp: 63620
Ion Ratio Lower Upper
172 100
171 31.7 28.1 42.1
170 23.2 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.74 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

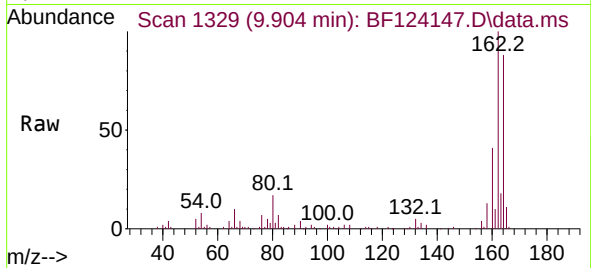
Tgt Ion:165 Resp: 8177
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



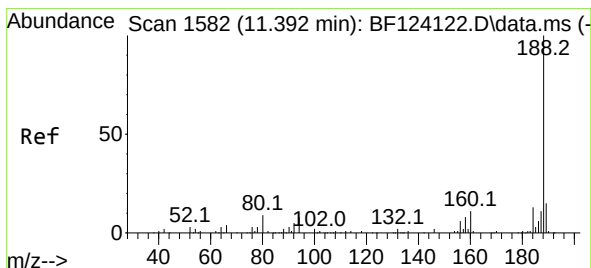
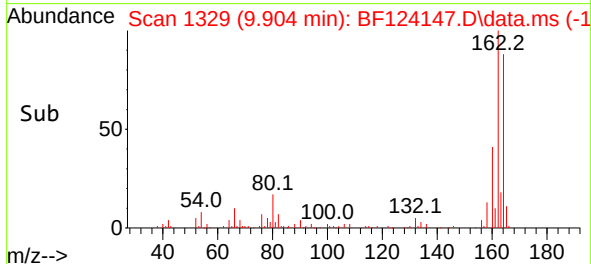
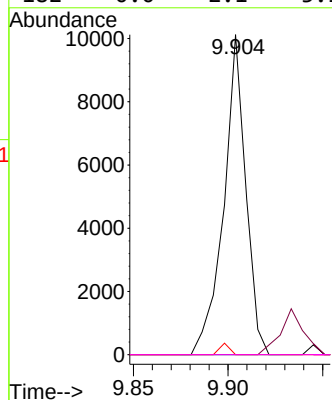


#57
2,4-Dinitrotoluene
Concen: 5.11 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Instrument :
BNA_F
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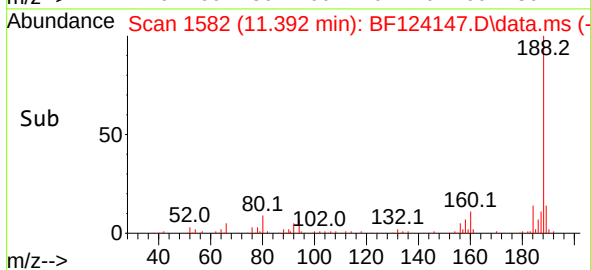
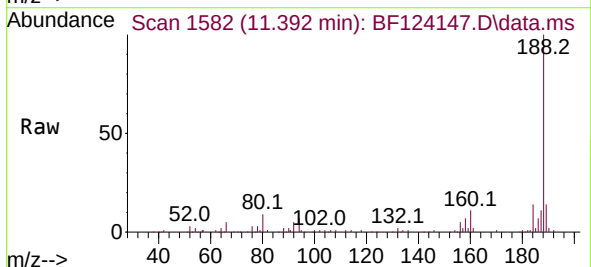
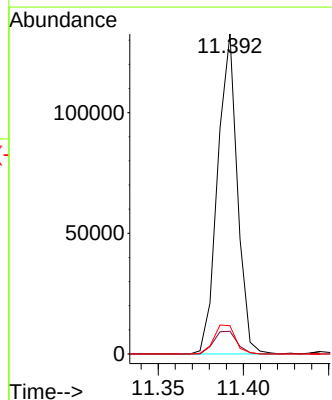


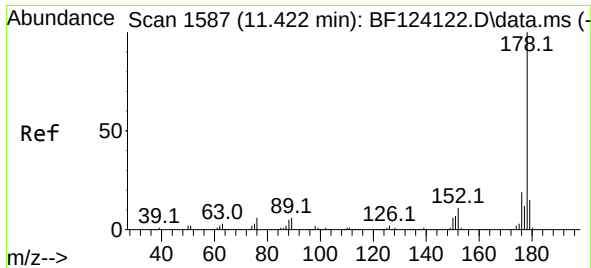
Tgt Ion:165 Resp: 8177
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:188 Resp: 106859
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 8.9 8.2 12.2

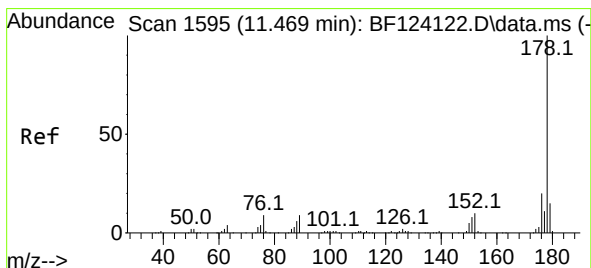
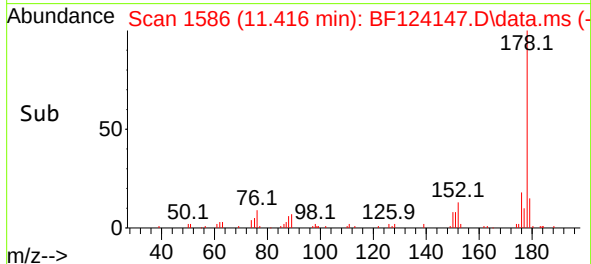
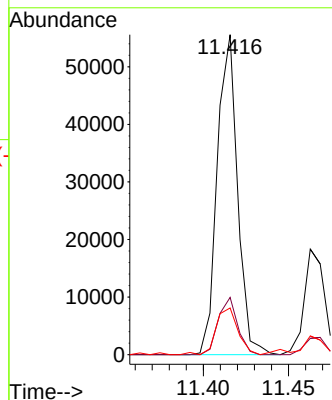
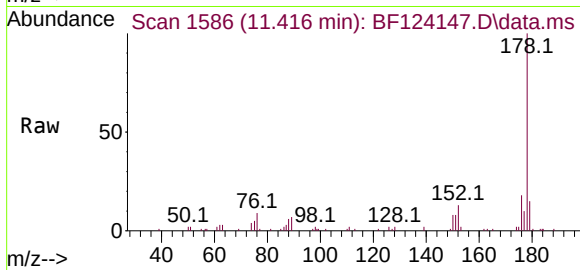




#71
Phenanthrene
Concen: 6.91 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

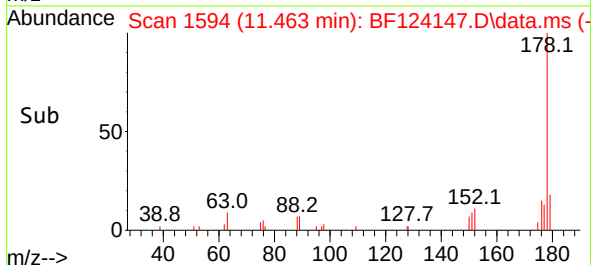
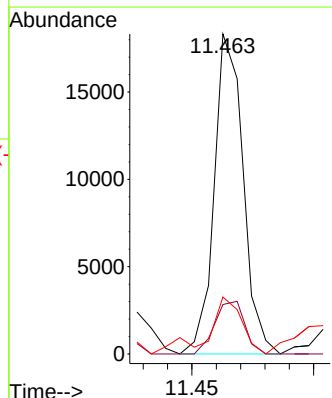
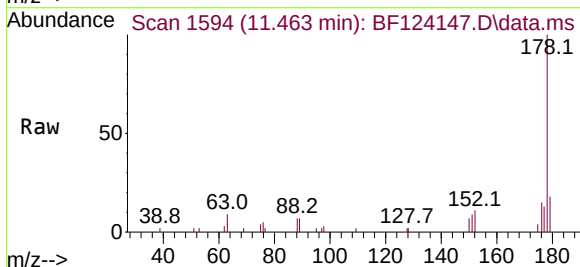
Instrument :
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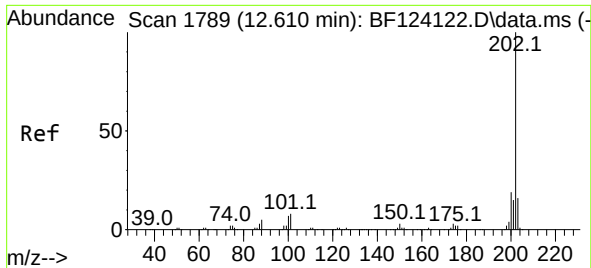
Tgt Ion:178 Resp: 46128
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 14.6 12.5 18.7



#72
Anthracene
Concen: 2.25 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:178 Resp: 15105
Ion Ratio Lower Upper
178 100
176 15.5 15.4 23.0
179 17.8 12.6 18.8

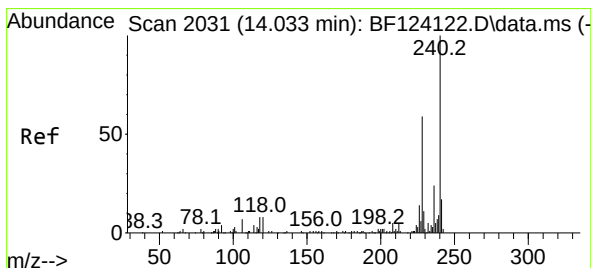
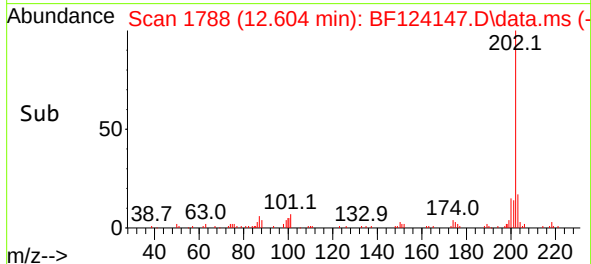
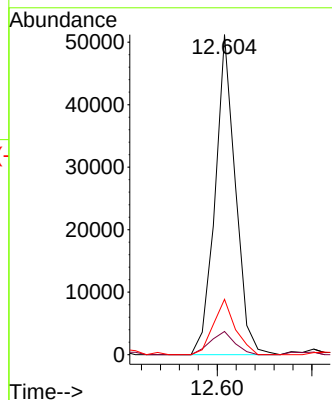
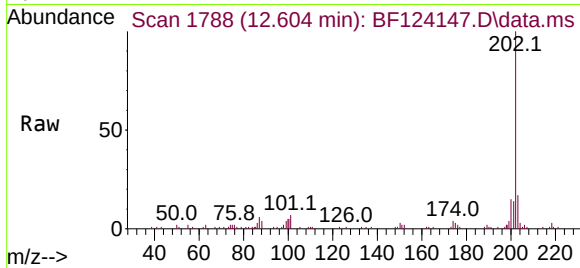




#75
Fluoranthene
Concen: 5.45 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

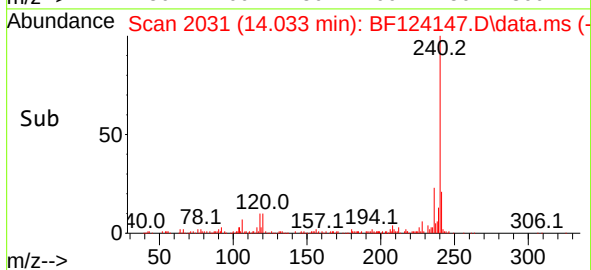
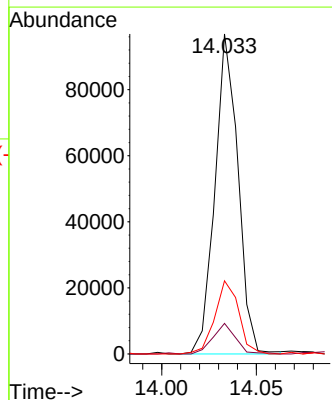
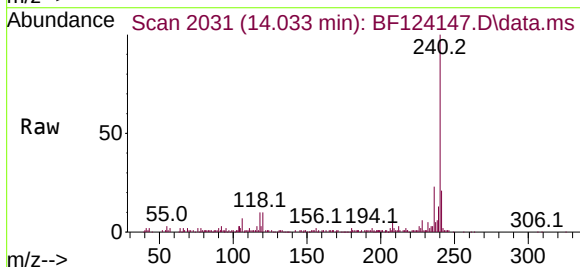
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

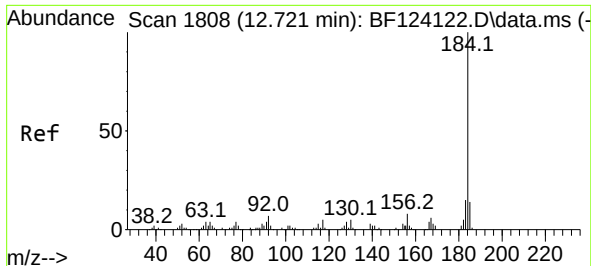
Tgt Ion:202 Resp: 38210
Ion Ratio Lower Upper
202 100
101 7.3 0.0 30.9
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:240 Resp: 82113
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 22.9 19.0 28.4

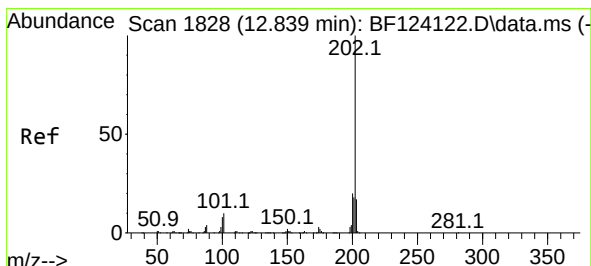
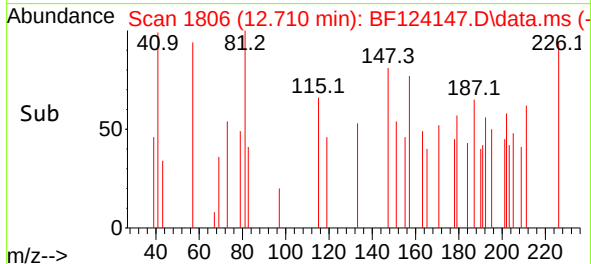
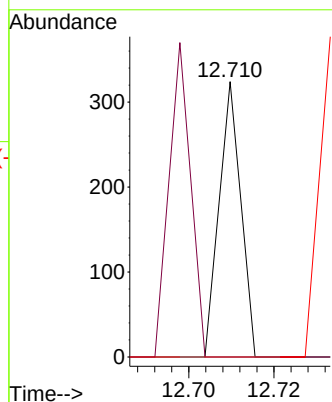
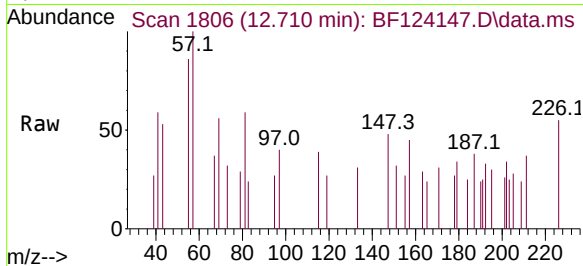




#77
Benzidine
Concen: 4.12 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.011 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

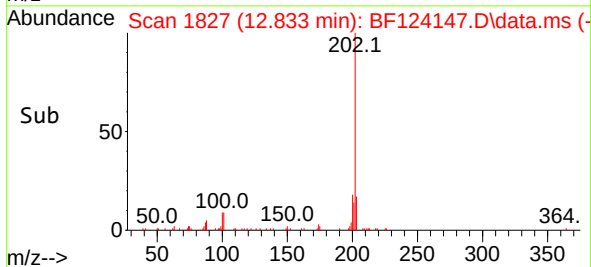
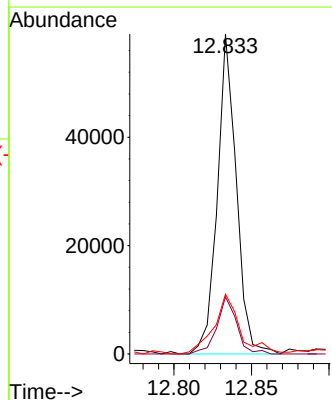
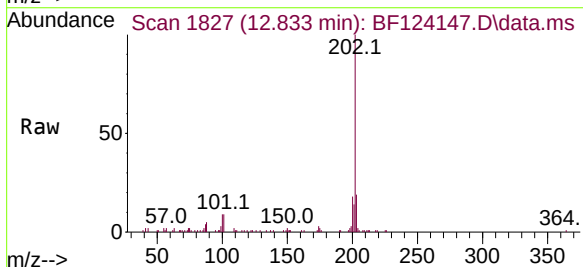
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

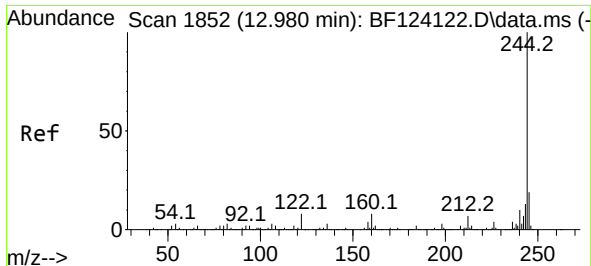
Tgt Ion:184 Resp: 114
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 6.39 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:202 Resp: 50396
Ion Ratio Lower Upper
202 100
200 17.8 16.1 24.1
203 18.7 14.8 22.2

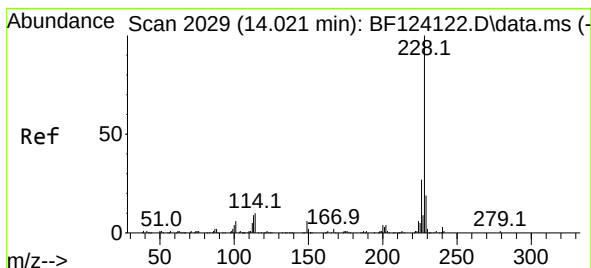
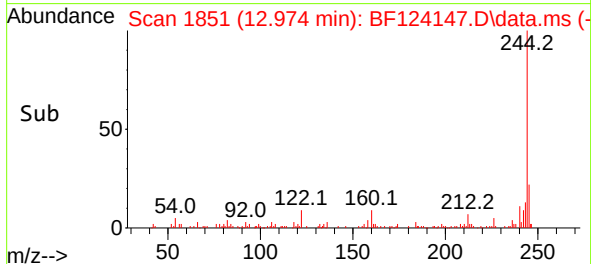
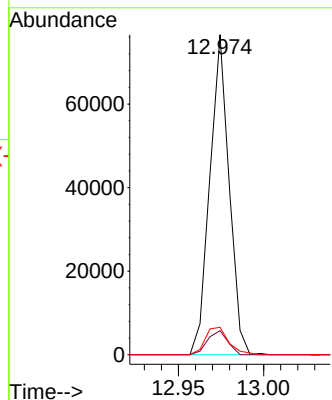
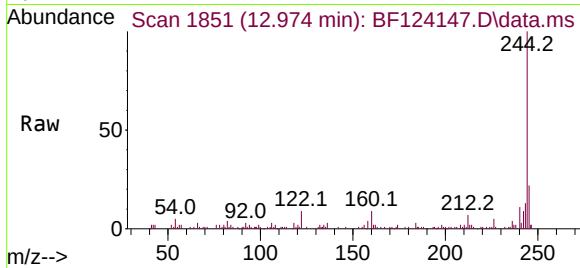




#79
 Terphenyl-d14
 Concen: 10.11 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF124147.D
 Acq: 4 Jun 2021 19:12

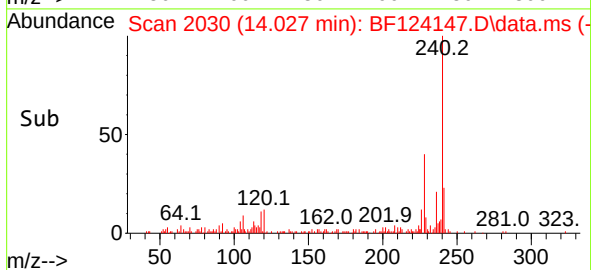
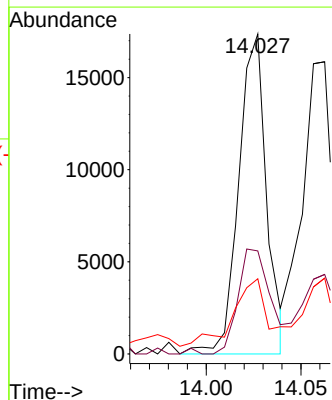
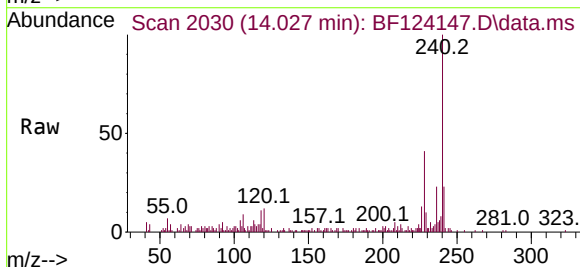
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-060221

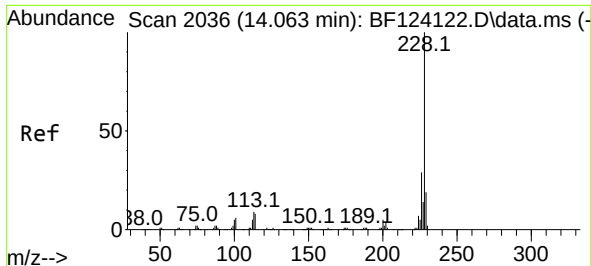
Tgt Ion:244 Resp: 60478
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 8.5 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 2.98 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.006 min
 Lab File: BF124147.D
 Acq: 4 Jun 2021 19:12

Tgt Ion:228 Resp: 17809
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.4 33.6
 229 23.5 16.0 24.0

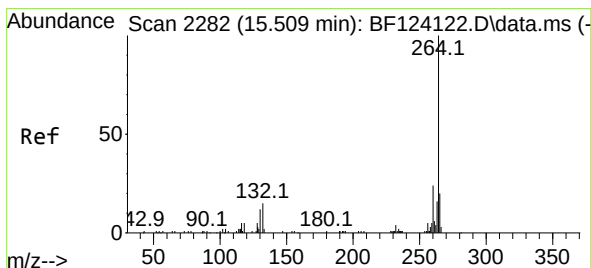
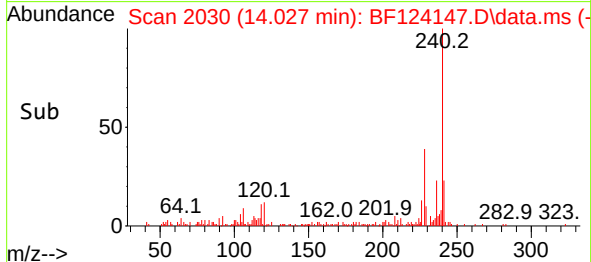
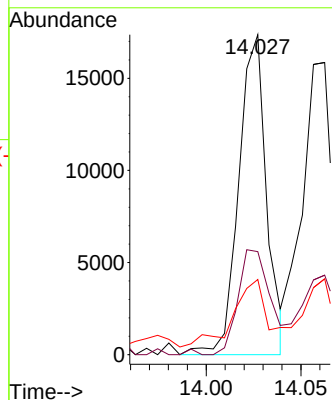
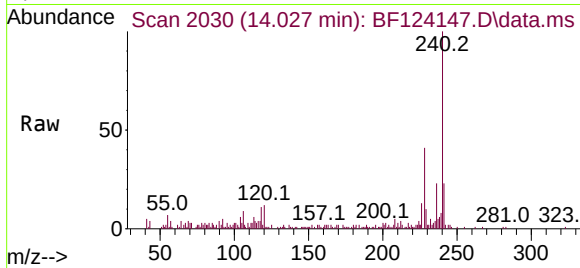




#83
Chrysene
Concen: 3.09 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.035 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

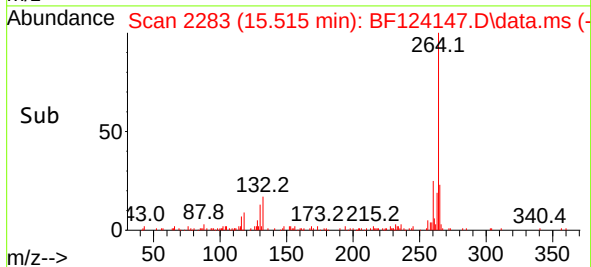
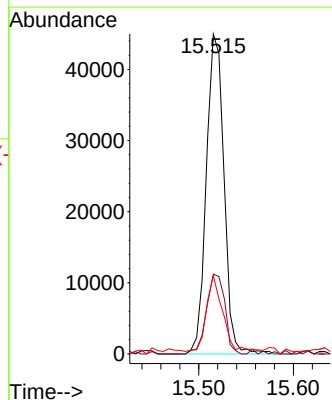
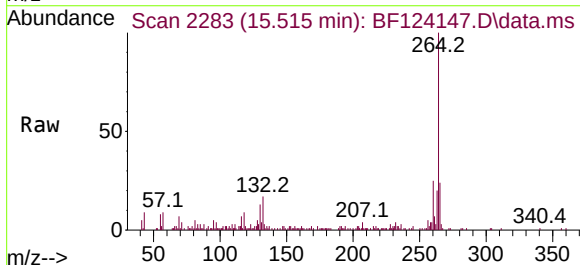
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

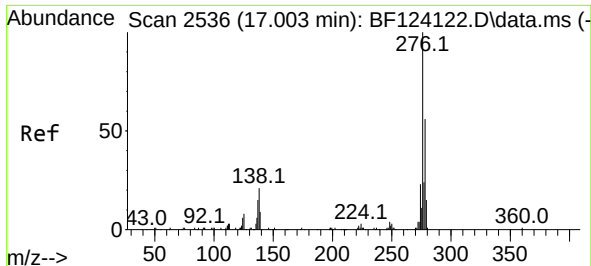
Tgt Ion:228	Resp: 17809
Ion Ratio	Lower Upper
228	100
226	32.2 24.3 36.5
229	23.5 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:264	Resp: 58189
Ion Ratio	Lower Upper
264	100
260	25.0 18.7 28.1
265	24.5 17.8 26.8

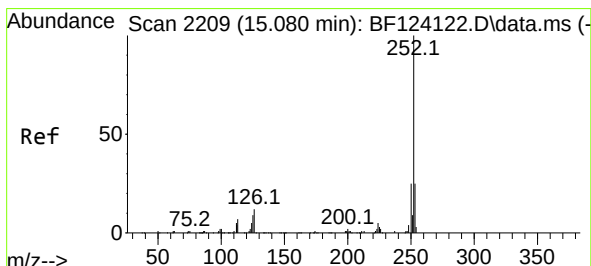
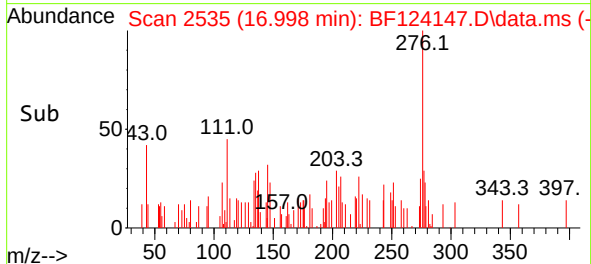
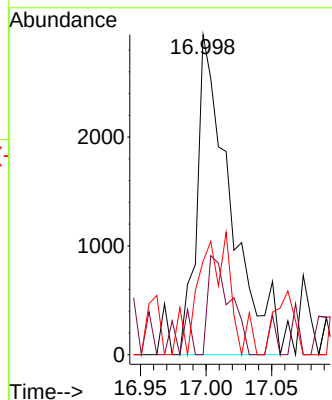
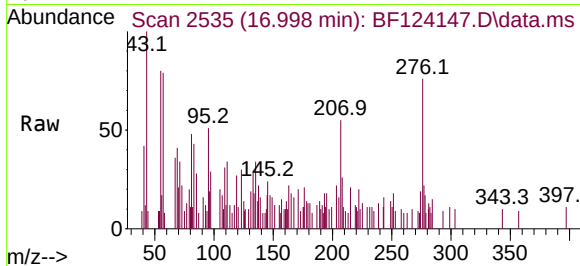




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.31 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.005 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

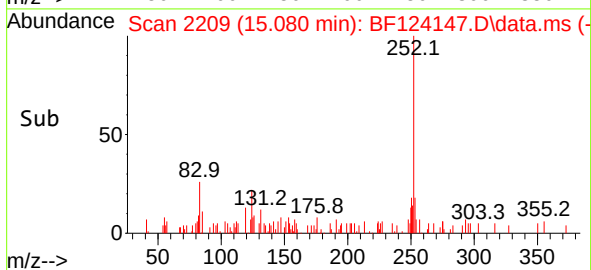
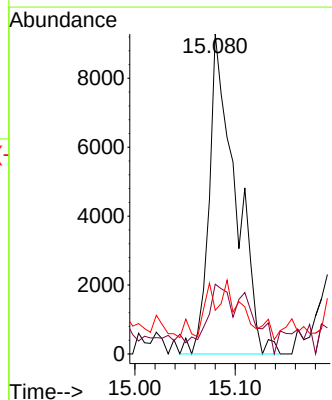
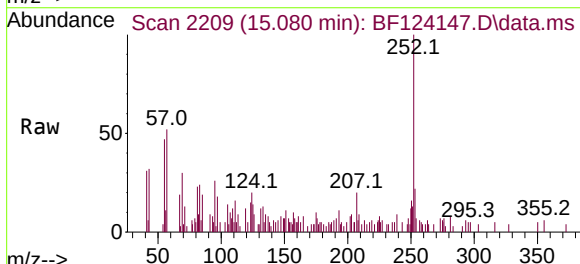
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

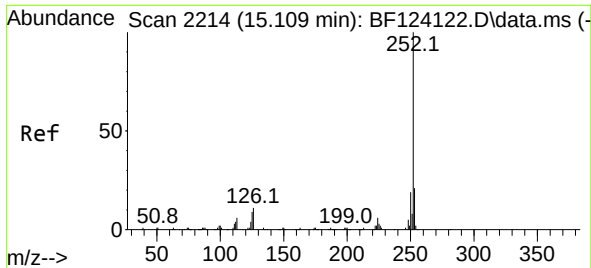
Tgt Ion:276 Resp: 5199
Ion Ratio Lower Upper
276 100
138 20.7 16.2 24.2
277 36.9 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 3.77 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:252 Resp: 17036
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 13.7 6.2 9.4#

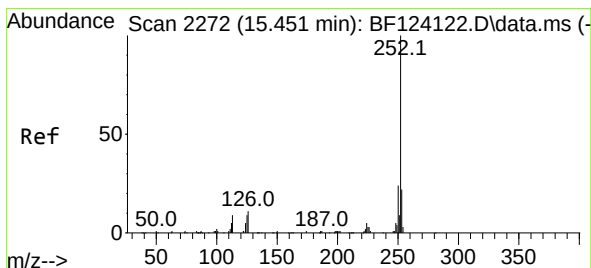
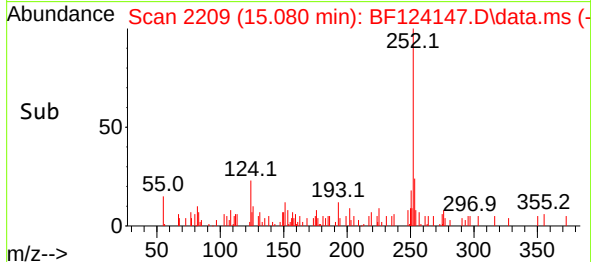
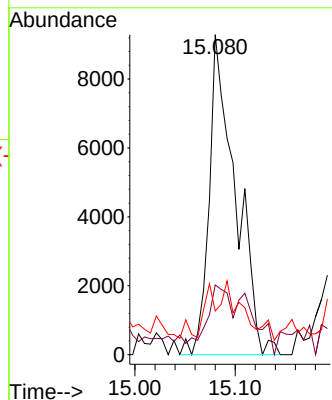
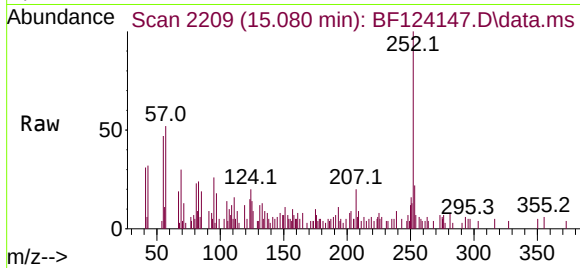




#89
Benzo(k)fluoranthene
Concen: 3.98 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

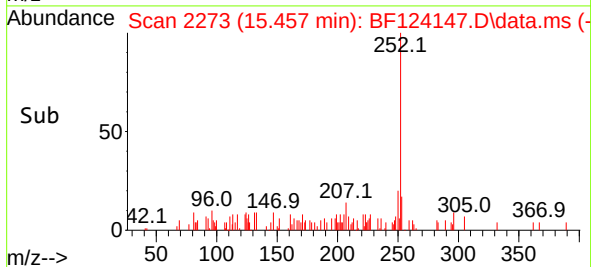
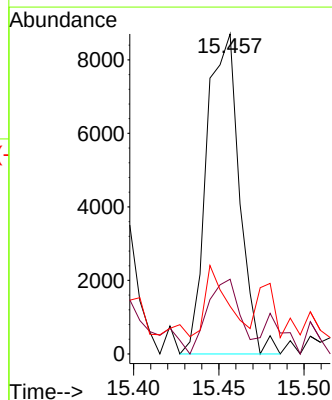
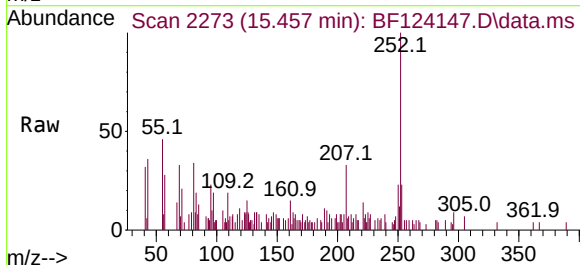
Instrument :
BNA_F
ClientSampleId :
EO-03-060221

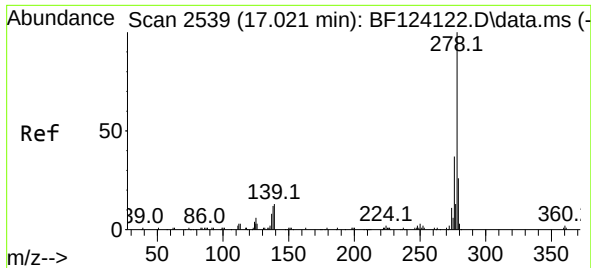
Tgt Ion:252 Resp: 17036
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 13.7 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 2.95 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:252 Resp: 11578
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 14.9 8.0 12.0#

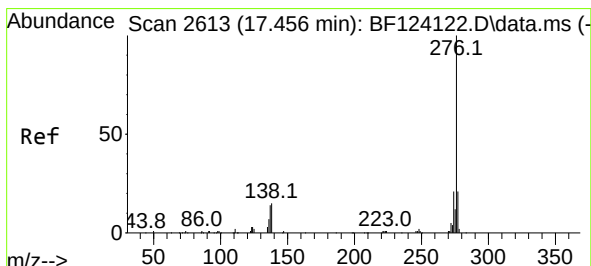
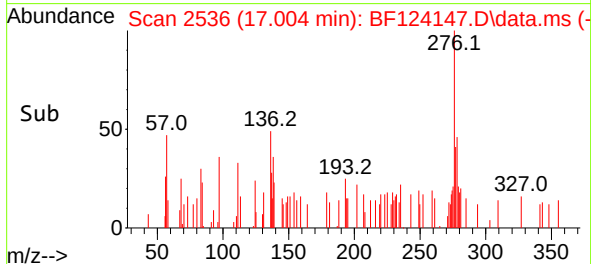
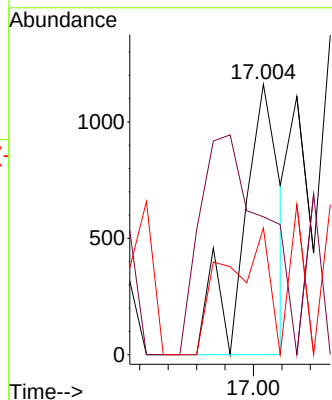
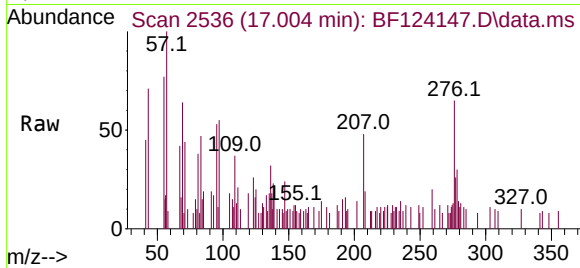




#91
Dibenzo(a,h)anthracene
Concen: 4.41 ng
RT: 17.004 min Scan# 2536
Delta R.T. -0.017 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Instrument :
BNA_F
ClientSampled :
EO-03-060221

Tgt Ion:278 Resp: 1064
Ion Ratio Lower Upper
278 100
139 51.0 10.2 15.2#
279 46.9 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.50 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.005 min
Lab File: BF124147.D
Acq: 4 Jun 2021 19:12

Tgt Ion:276 Resp: 3070
Ion Ratio Lower Upper
276 100
277 33.4 18.2 27.2#
138 39.3 13.8 20.6#

