

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124254.D
 Acq On : 11 Jun 2021 2:49
 Operator : JU/CG
 Sample : M2661-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060921

Quant Time: Jun 11 06:10:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

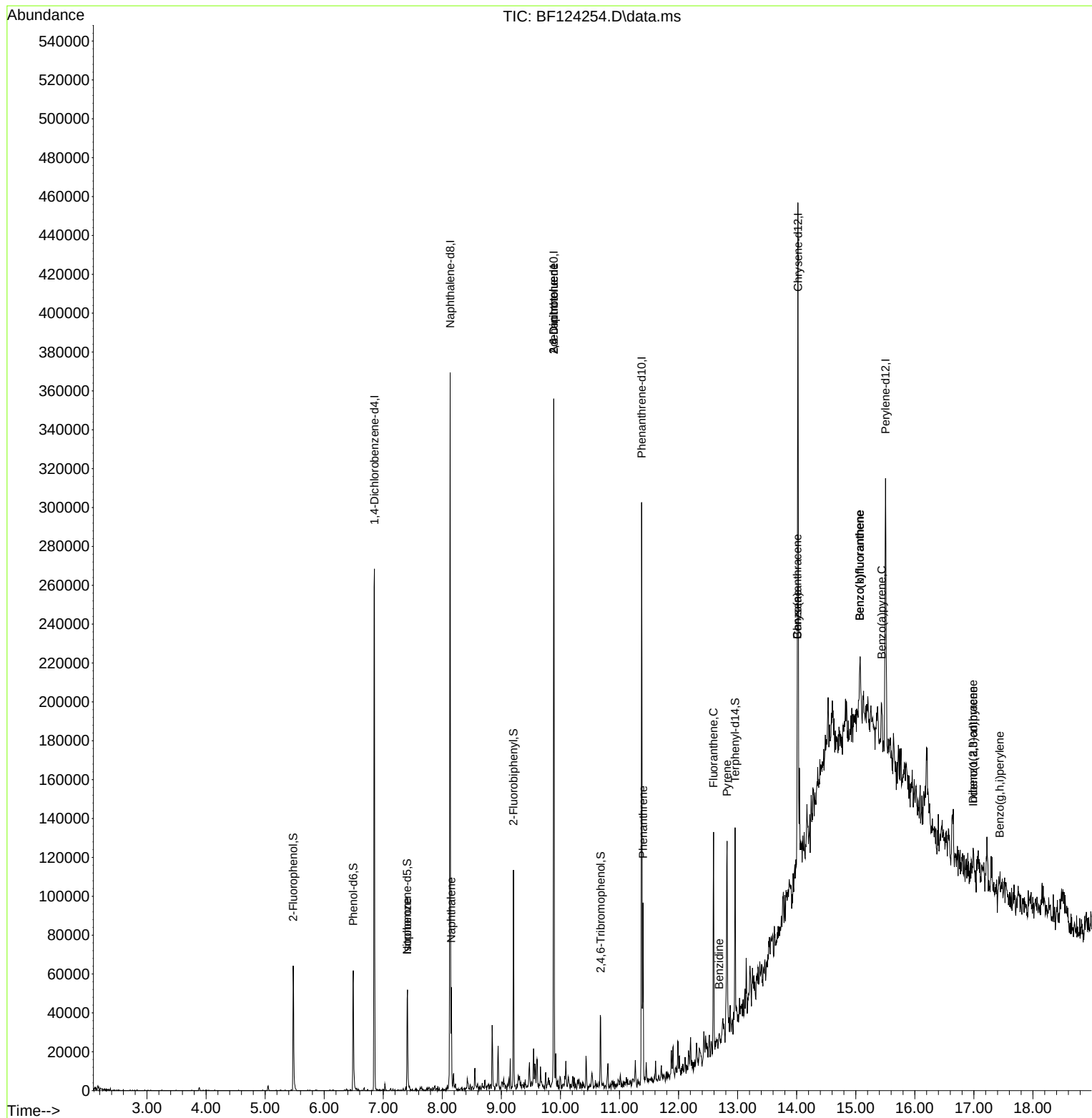
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	35289	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	130901	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	64561	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	96164	20.00	ng	0.00
76) Chrysene-d12	14.021	240	96742	20.00	ng	0.00
86) Perylene-d12	15.504	264	55682	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	16597	7.08	ng	0.00
7) Phenol-d6	6.492	99	21158	6.71	ng	0.00
23) Nitrobenzene-d5	7.404	82	16179	4.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	4198	4.59	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	27054	5.27	ng	0.00
79) Terphenyl-d14	12.957	244	25105	3.56	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	16179	2.72	ng	# 69
31) Naphthalene	8.151	128	16344	2.09	ng	98
51) 2,6-Dinitrotoluene	9.886	165	8291	6.77	ng	# 13
57) 2,4-Dinitrotoluene	9.886	165	8291	5.13	ng	# 19
71) Phenanthrene	11.398	178	27805	4.63	ng	97
75) Fluoranthene	12.592	202	38175	6.05	ng	97
77) Benzidine	12.686	184	122	4.11	ng	# 1
78) Pyrene	12.822	202	35515	3.82	ng	99
81) Benzo(a)anthracene	14.010	228	18132	2.57	ng	98
83) Chrysene	14.010	228	18132	2.67	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	6332	5.58	ng	# 60
88) Benzo(b)fluoranthene	15.068	252	12795	2.96	ng	# 61
89) Benzo(k)fluoranthene	15.068	252	12795	3.12	ng	# 62
90) Benzo(a)pyrene	15.439	252	8190	2.18	ng	# 80
91) Dibenzo(a,h)anthracene	16.986	278	805	4.36	ng	# 18
92) Benzo(g,h,i)perylene	17.439	276	5774	5.17	ng	# 63

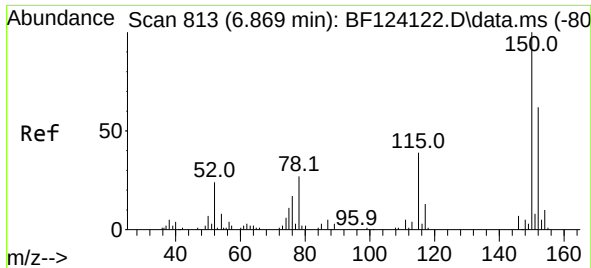
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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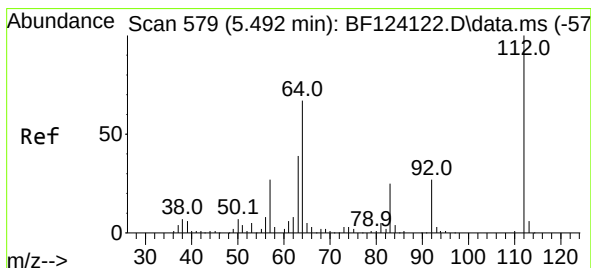
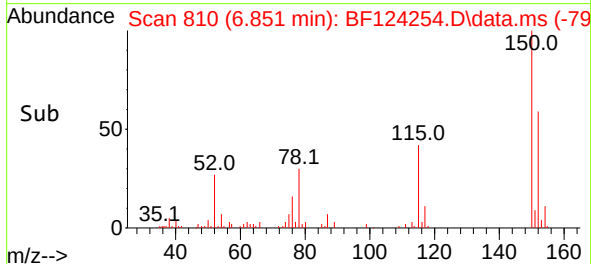
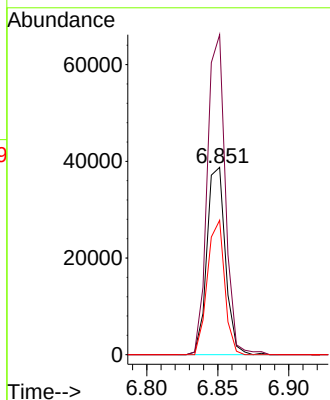
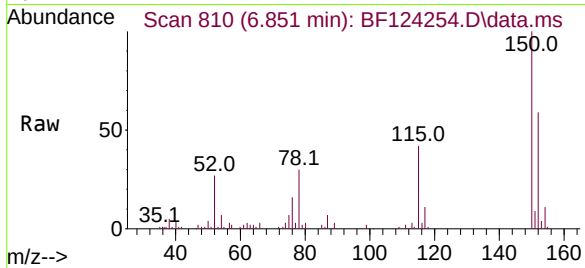




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

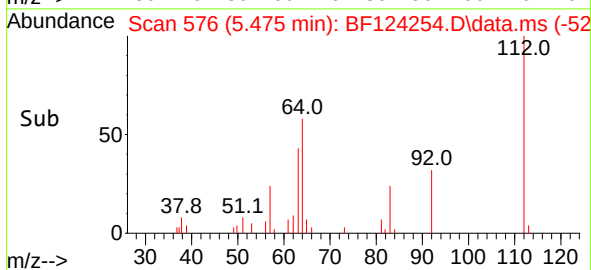
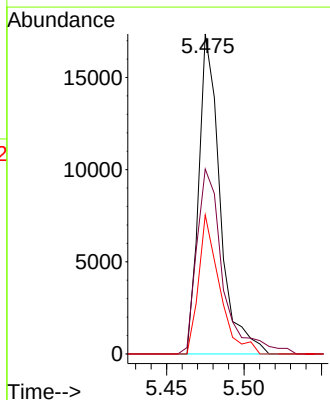
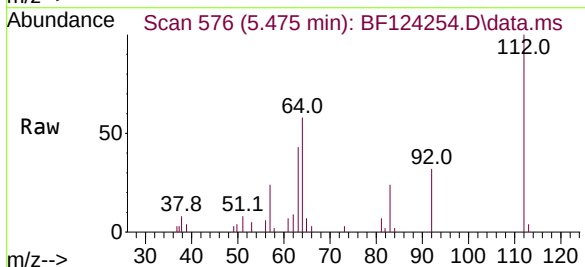
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

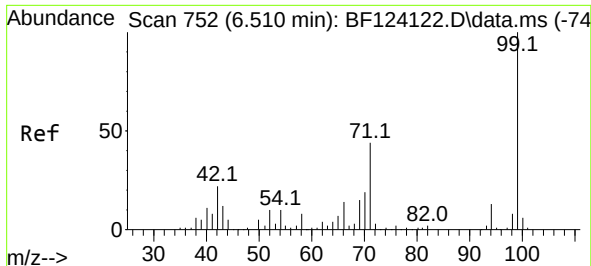
Tgt Ion:152 Resp: 35289
Ion Ratio Lower Upper
152 100
150 170.8 127.0 190.6
115 71.7 54.3 81.5



#5
2-Fluorophenol
Concen: 7.08 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:112 Resp: 16597
Ion Ratio Lower Upper
112 100
64 57.8 61.4 92.0#
63 43.4 33.0 49.4

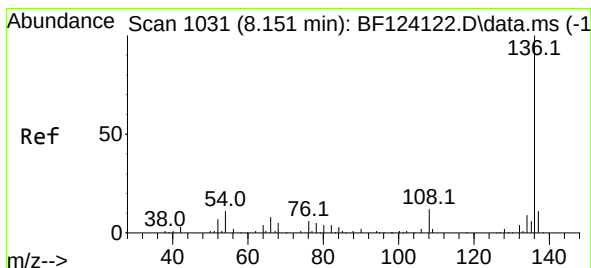
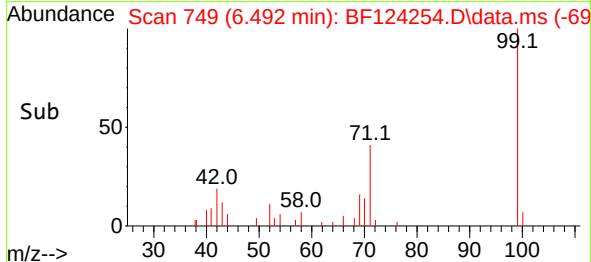
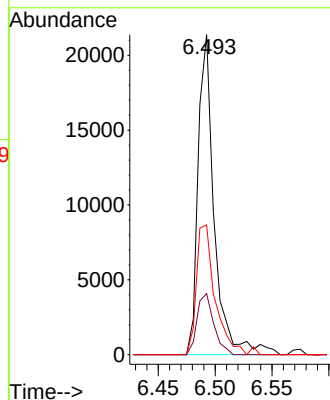
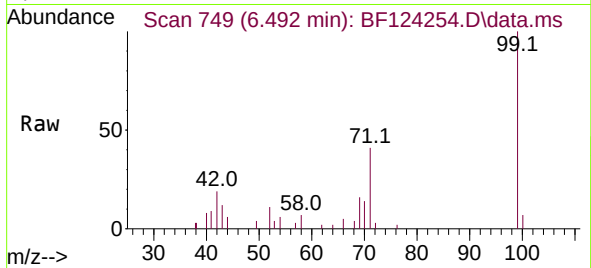




#7
Phenol-d6
Concen: 6.71 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

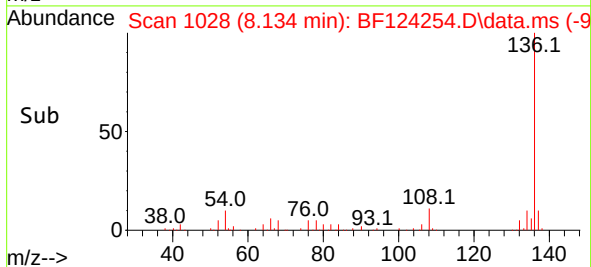
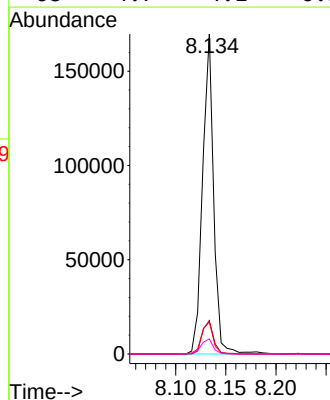
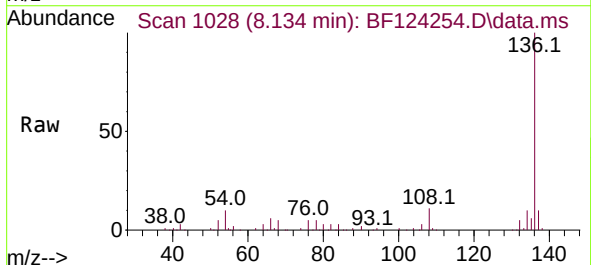
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

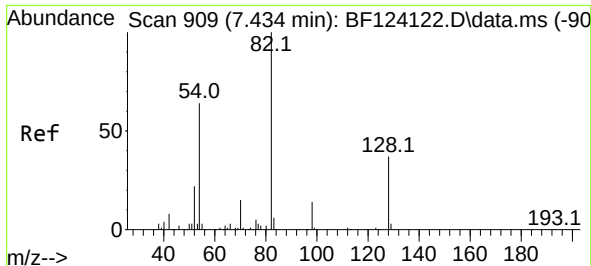
Tgt Ion: 99 Resp: 21158
Ion Ratio Lower Upper
99 100
42 19.1 19.8 29.8#
71 40.5 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 136 Resp: 130901
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 10.0 9.8 14.6
68 4.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 4.90 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

Tgt Ion: 82 Resp: 16179

Ion Ratio Lower Upper

82 100

128 32.9 29.4 44.2

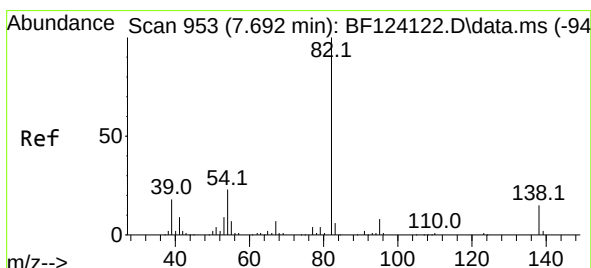
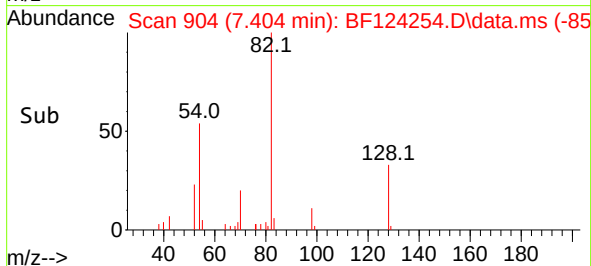
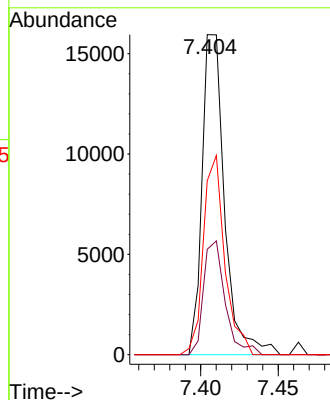
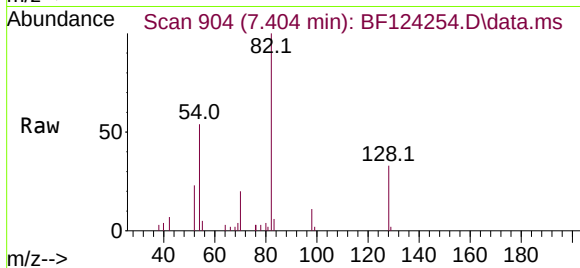
54 54.4 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

OK-01-060921



#25

Isophorone

Concen: 2.72 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.270 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

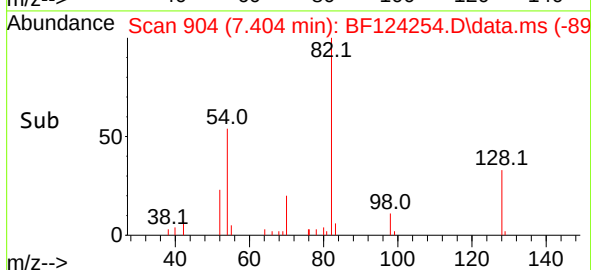
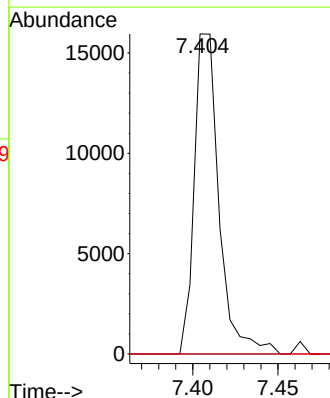
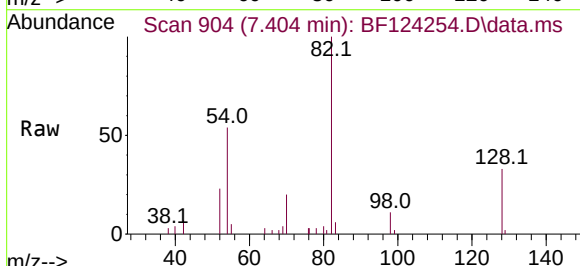
Tgt Ion: 82 Resp: 16179

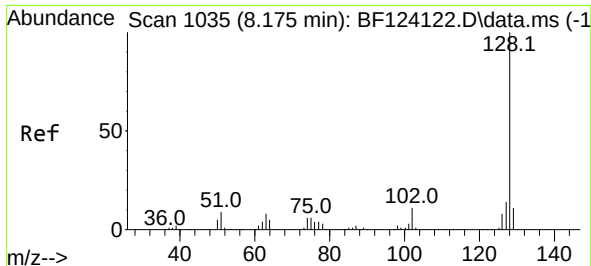
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#

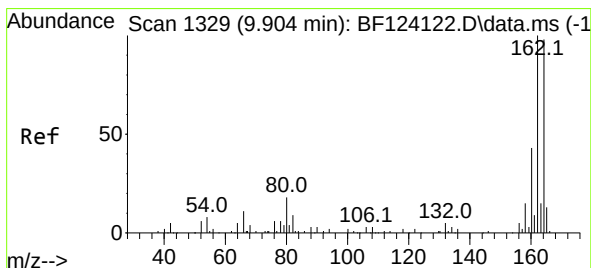
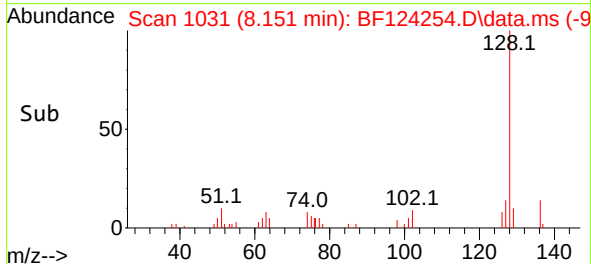
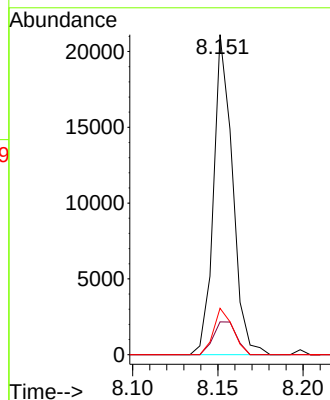
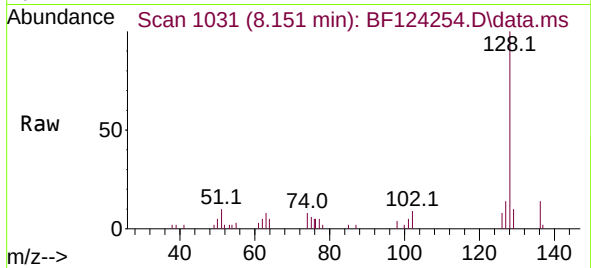




#31
Naphthalene
Concen: 2.09 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

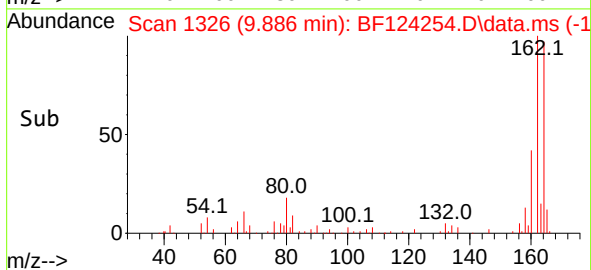
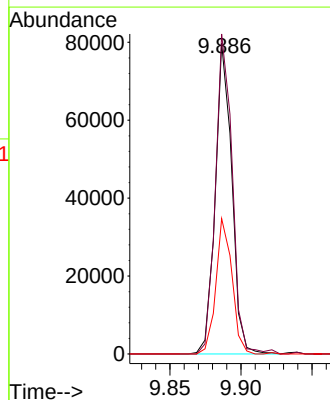
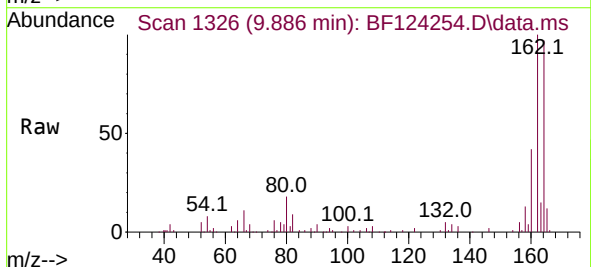
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

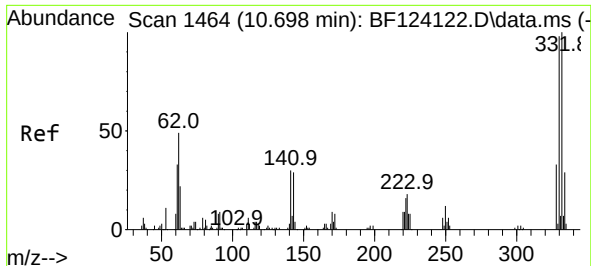
Tgt Ion:128 Resp: 16344
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 14.5 10.8 16.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:164 Resp: 64561
Ion Ratio Lower Upper
164 100
162 102.9 80.7 121.1
160 43.5 37.3 55.9

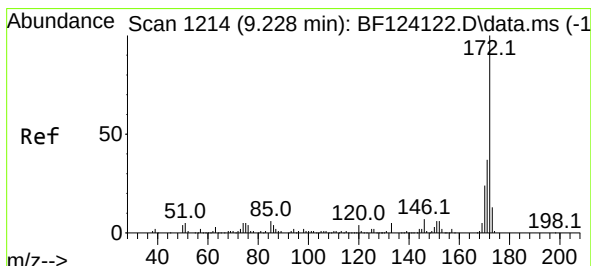
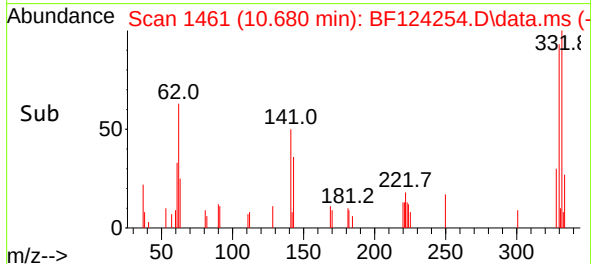
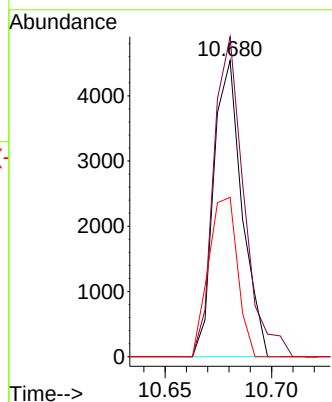
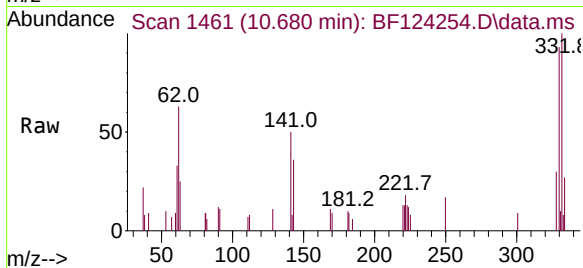




#42
2,4,6-Tribromophenol
Concen: 4.59 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

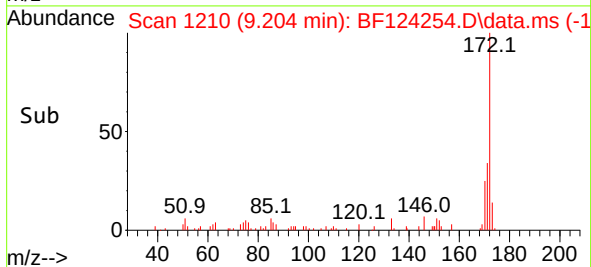
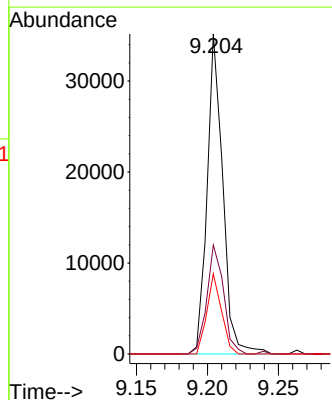
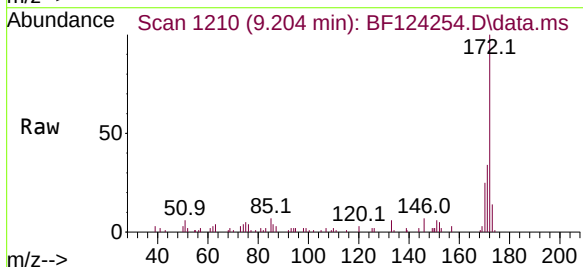
Instrument :
BNA_F
ClientSampled :
OK-01-060921

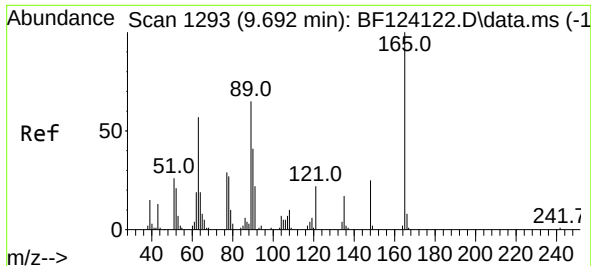
Tgt Ion: 330 Resp: 4198
Ion Ratio Lower Upper
330 100
332 115.0 77.1 115.7
141 55.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 5.27 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 172 Resp: 27054
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 25.1 19.2 28.8

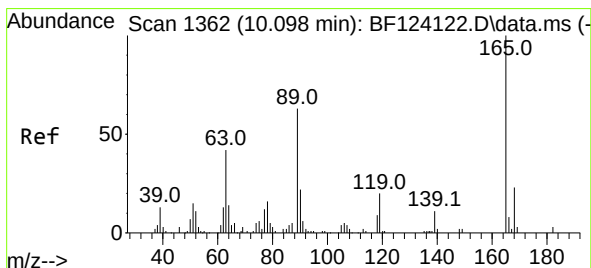
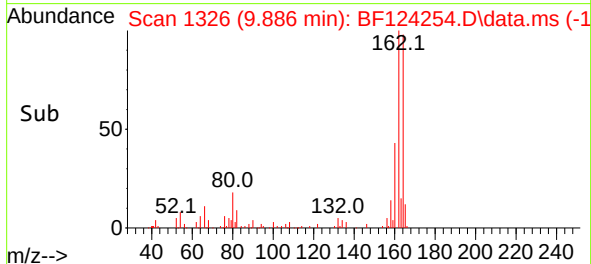
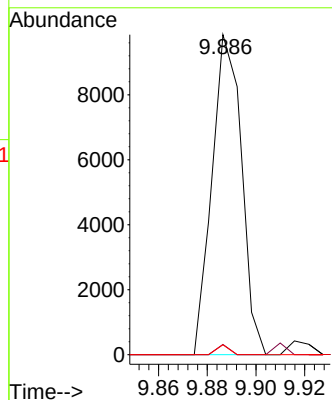
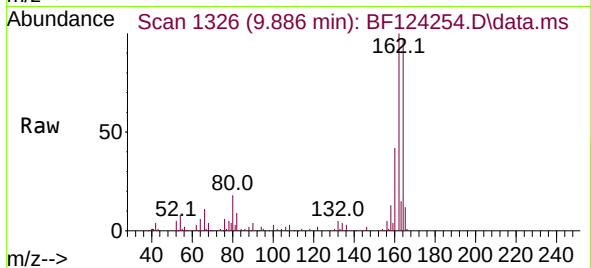




#51
2,6-Dinitrotoluene
Concen: 6.77 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

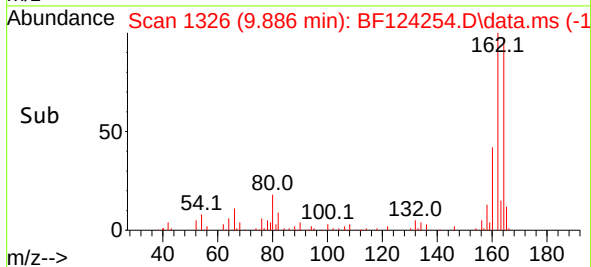
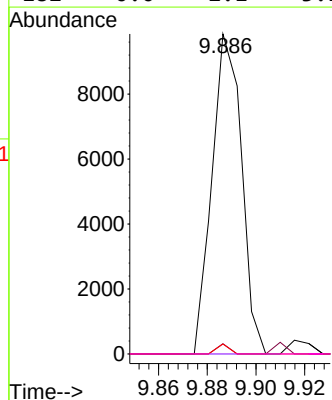
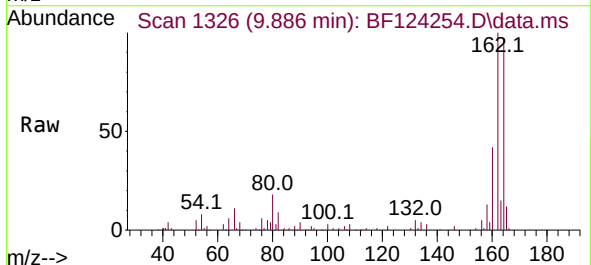
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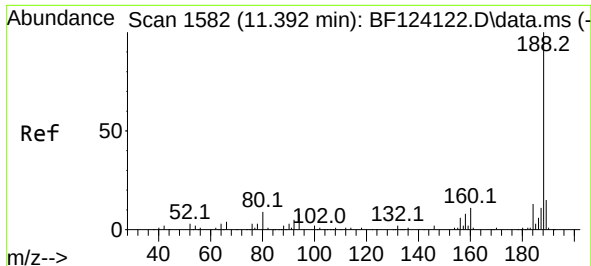
Tgt Ion:165 Resp: 8291
Ion Ratio Lower Upper
165 100
63 3.2 67.7 101.5#
89 3.1 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.13 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:165 Resp: 8291
Ion Ratio Lower Upper
165 100
63 3.2 43.5 65.3#
89 3.1 67.7 101.5#
182 0.0 2.1 3.1#

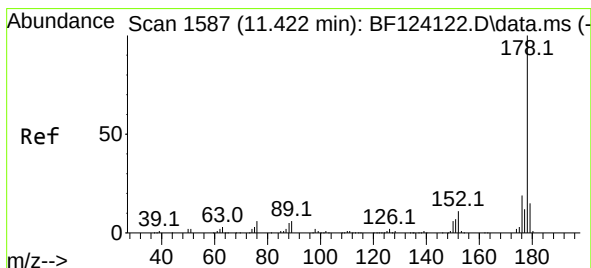
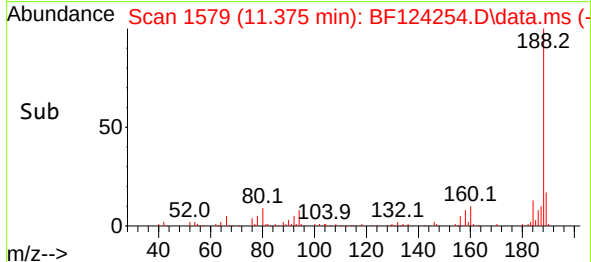
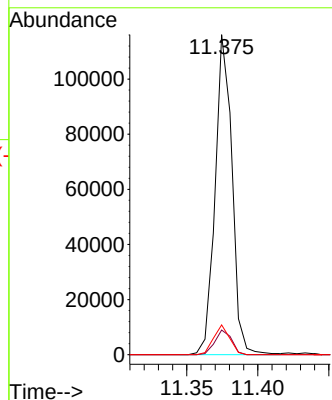
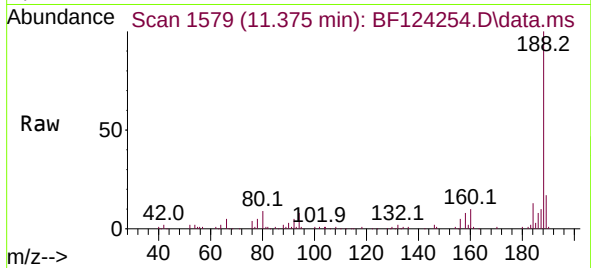




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

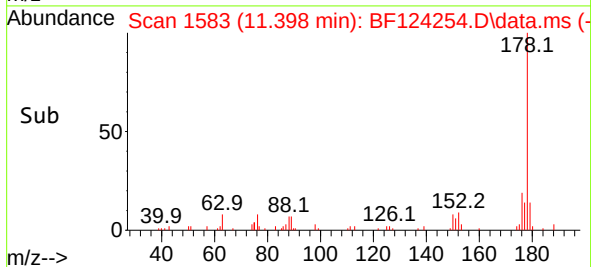
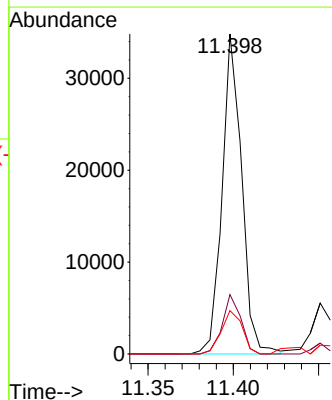
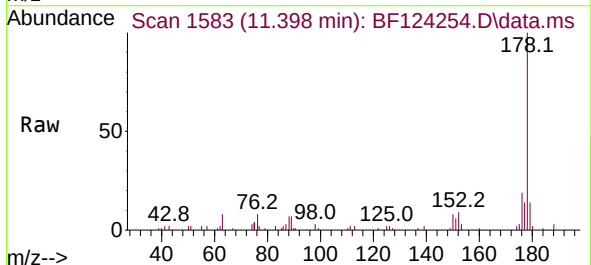
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

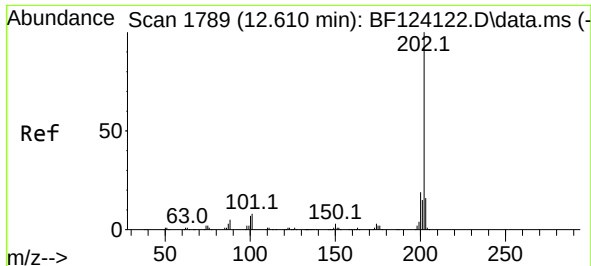
Tgt Ion:188 Resp: 96164
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 9.3 8.2 12.2



#71
Phenanthrene
Concen: 4.63 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:178 Resp: 27805
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 13.5 12.5 18.7

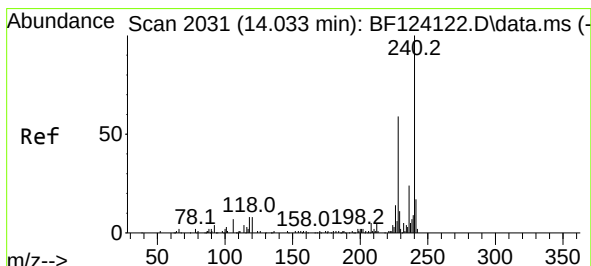
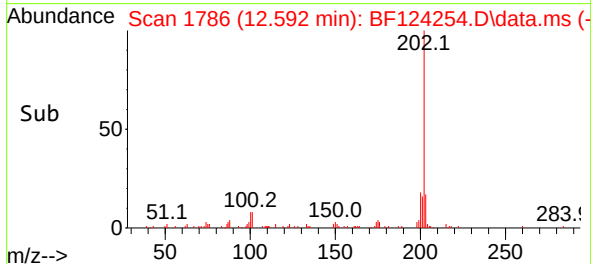
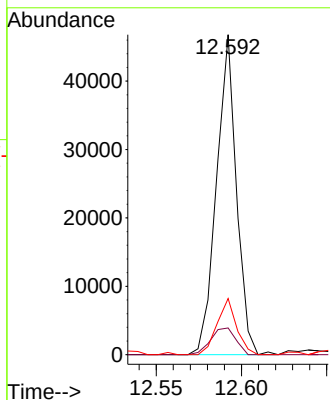
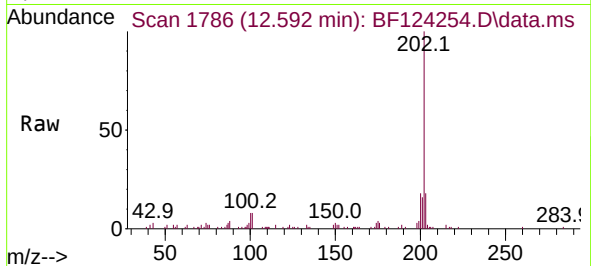




#75
Fluoranthene
Concen: 6.05 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

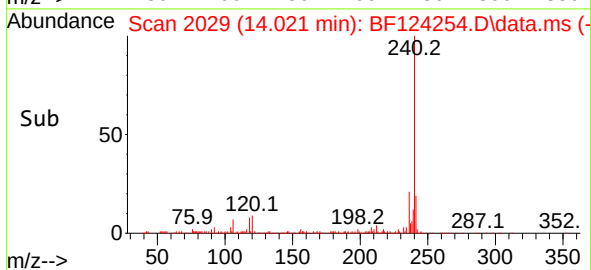
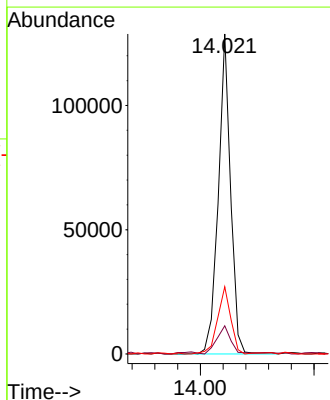
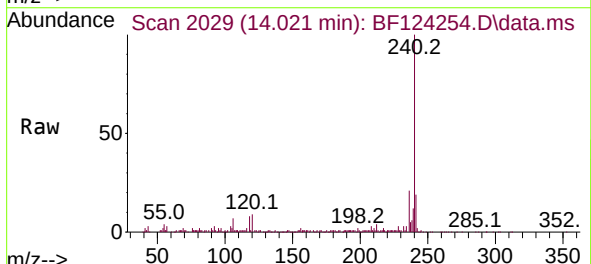
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

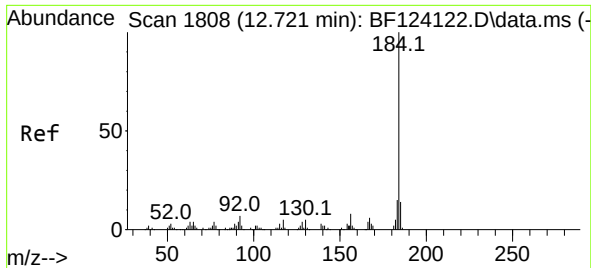
Tgt Ion:	202	Resp:	38175
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	30.9
203	17.6	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	240	Resp:	96742
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.2	10.8
236	21.0	19.0	28.4

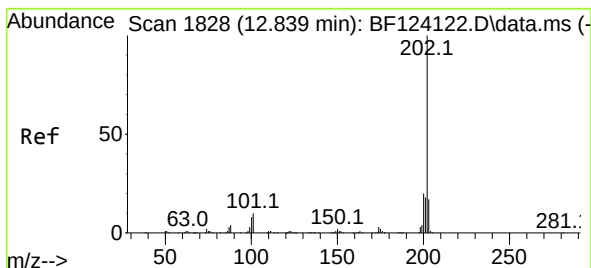
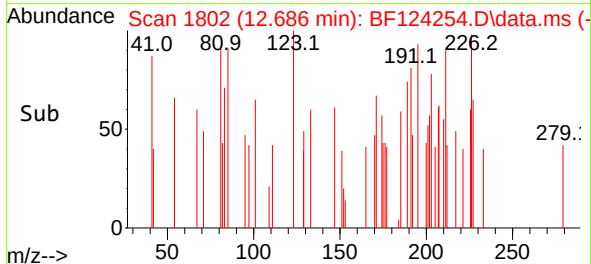
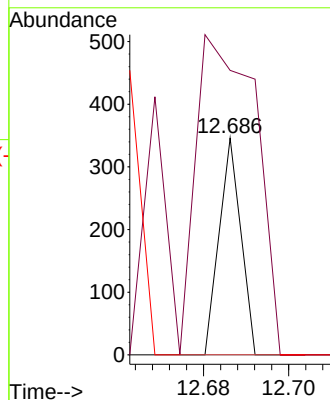
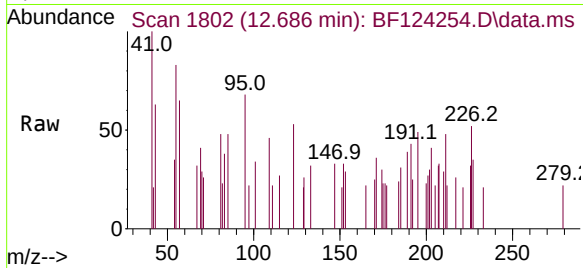




#77
Benzidine
Concen: 4.11 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.023 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

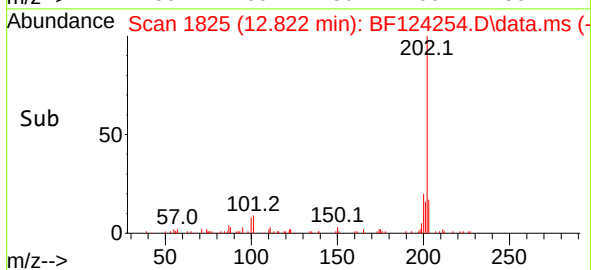
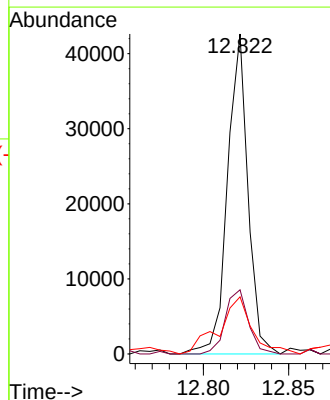
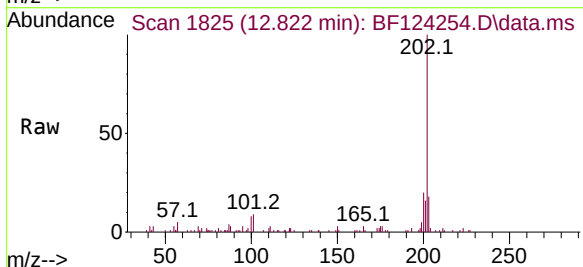
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

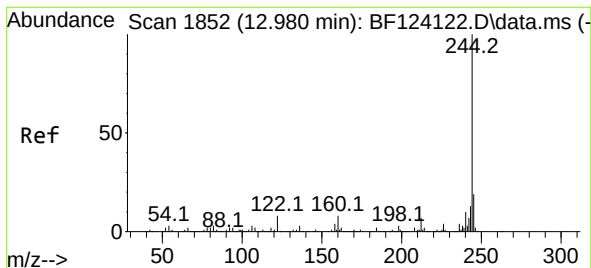
Tgt Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
185 131.2 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 3.82 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:202 Resp: 35515
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 17.9 14.8 22.2





#79

Terphenyl-d14

Concen: 3.56 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

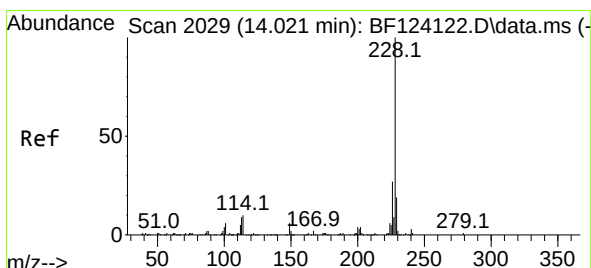
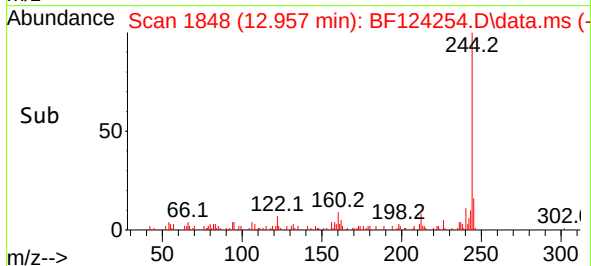
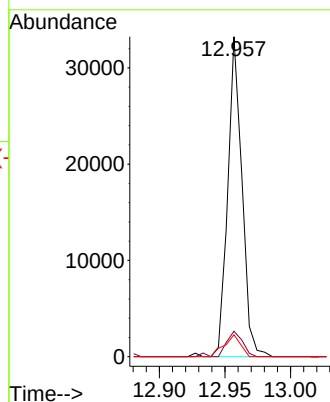
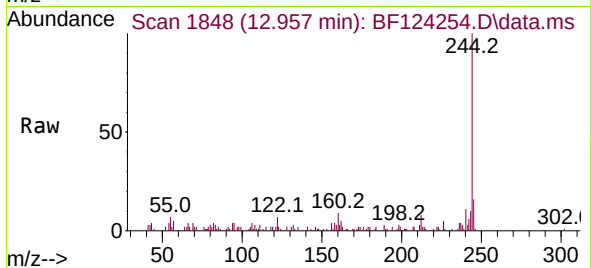
Tgt Ion:244	Resp:	25105
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.7 8.5
122	6.9	9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

OK-01-060921



#81

Benzo(a)anthracene

Concen: 2.57 ng

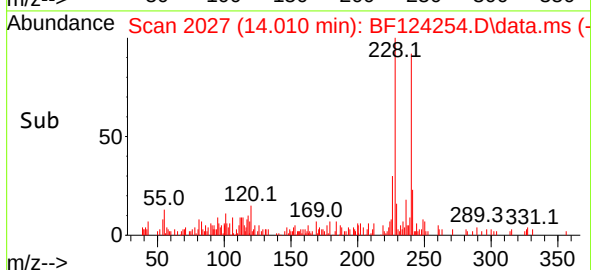
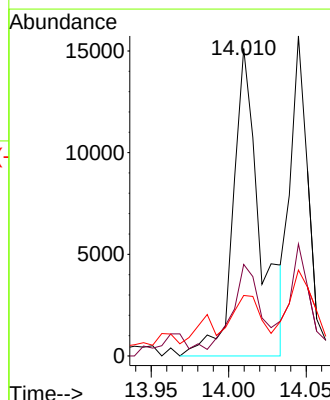
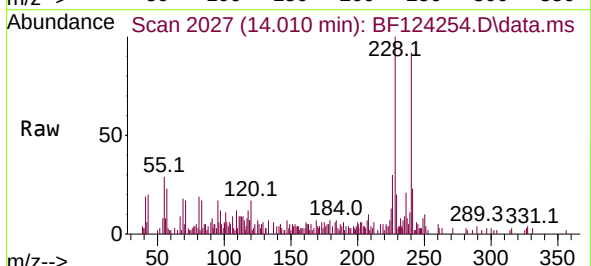
RT: 14.010 min Scan# 2027

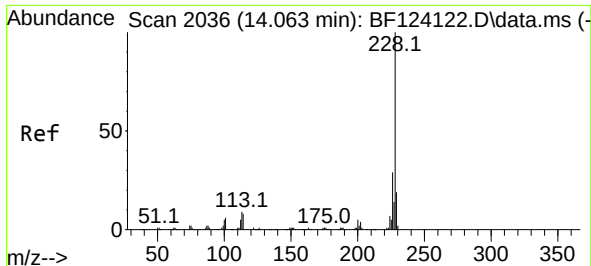
Delta R.T. 0.000 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

Tgt Ion:228	Resp:	18132
Ion Ratio	Lower	Upper
228	100	
226	29.8	22.4 33.6
229	19.7	16.0 24.0

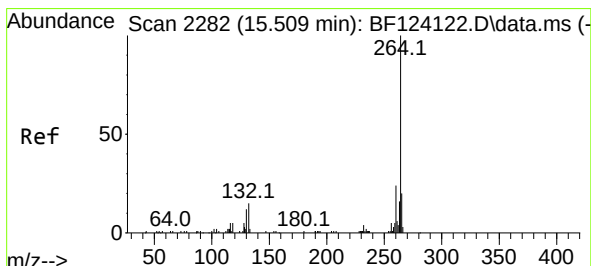
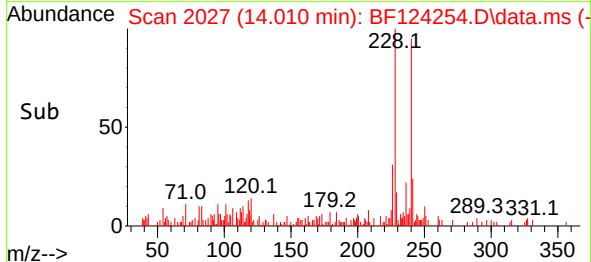
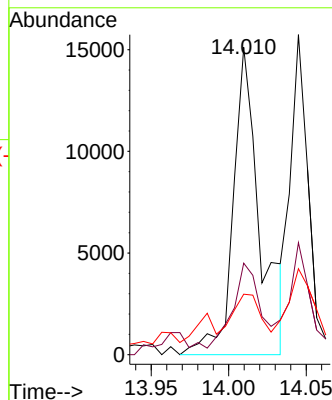
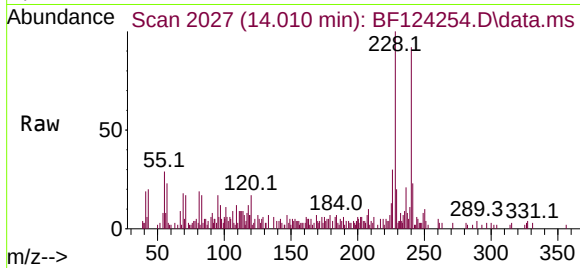




#83
Chrysene
Concen: 2.67 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.035 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

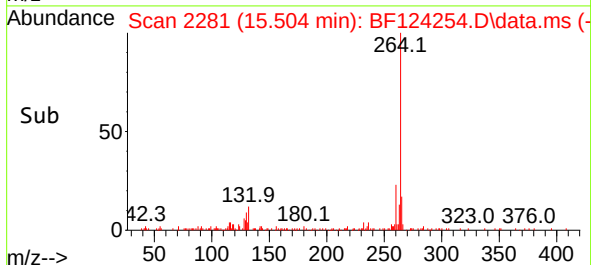
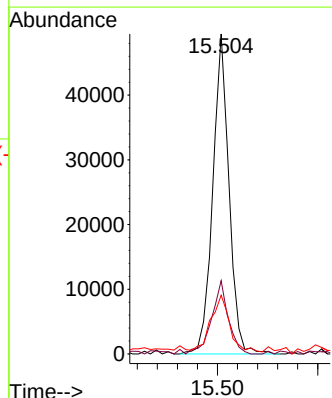
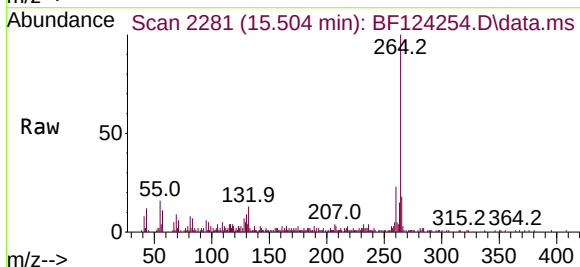
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

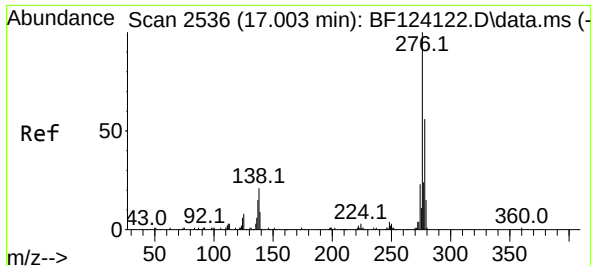
Tgt Ion:228 Resp: 18132
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 19.7 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:264 Resp: 55682
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 18.4 17.8 26.8

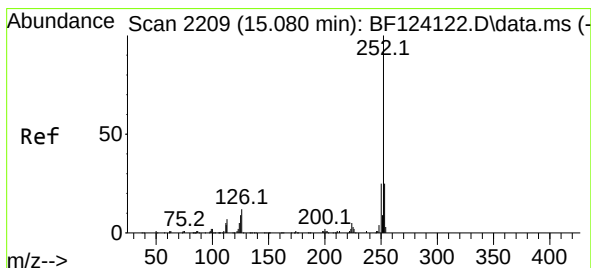
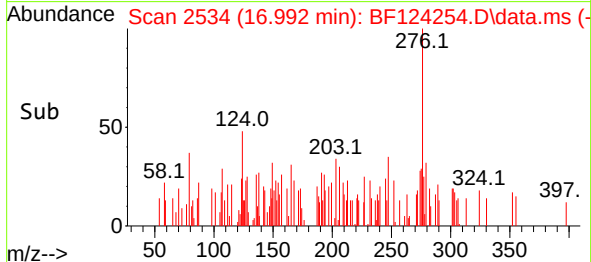
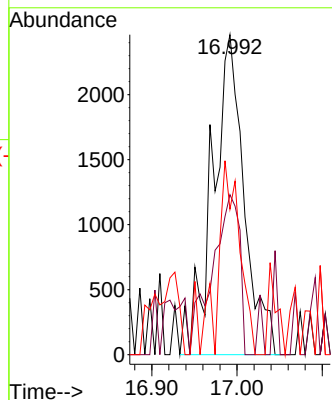
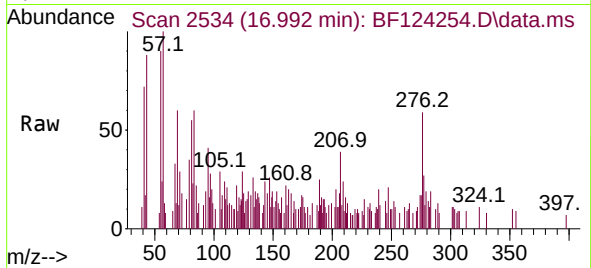




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.58 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

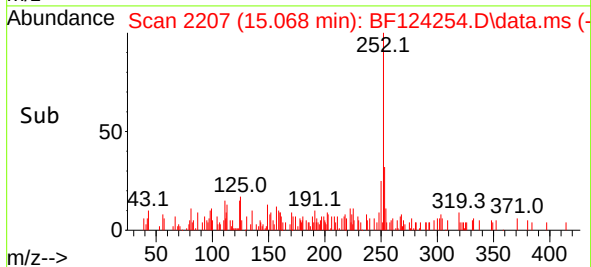
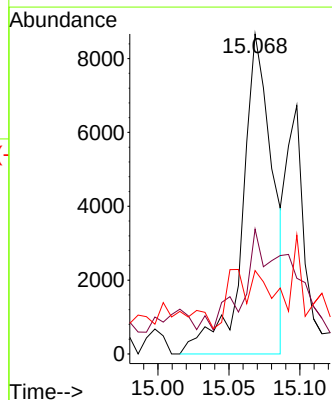
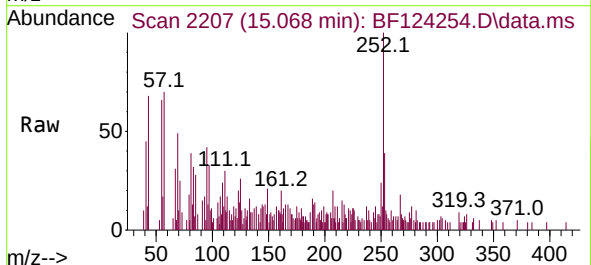
Instrument :
BNA_F
ClientSampled :
OK-01-060921

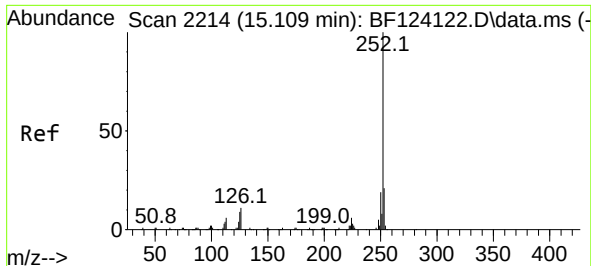
Tgt Ion:276 Resp: 6332
Ion Ratio Lower Upper
276 100
138 43.4 16.2 24.2#
277 41.2 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 2.96 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:252 Resp: 12795
Ion Ratio Lower Upper
252 100
253 39.0 18.1 27.1#
125 26.1 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.12 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.023 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

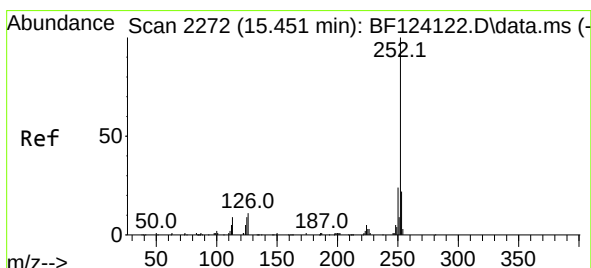
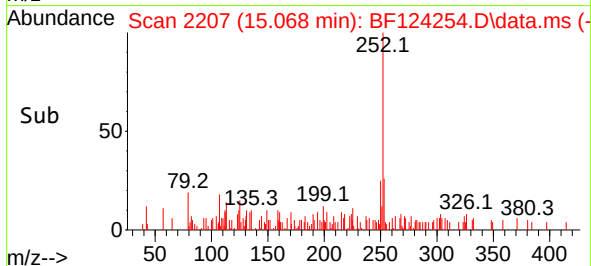
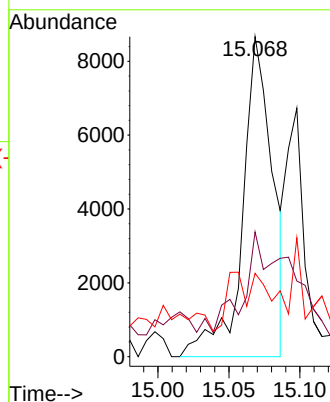
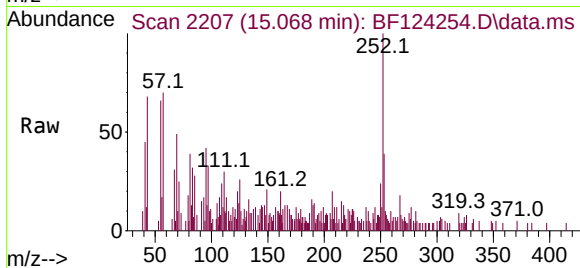
Tgt Ion:252	Resp:	12795
Ion Ratio	Lower	Upper
252	100	
253	39.0	17.9 26.9#
125	26.1	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

OK-01-060921



#90

Benzo(a)pyrene

Concen: 2.18 ng

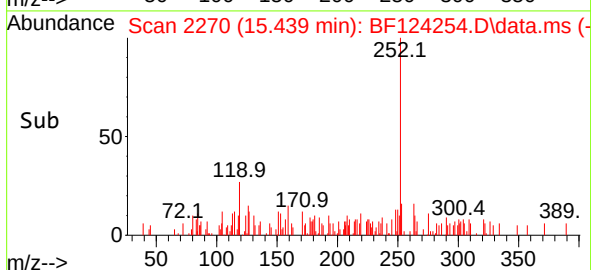
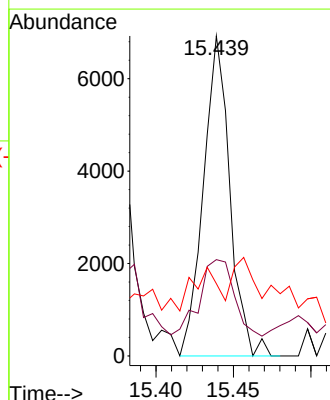
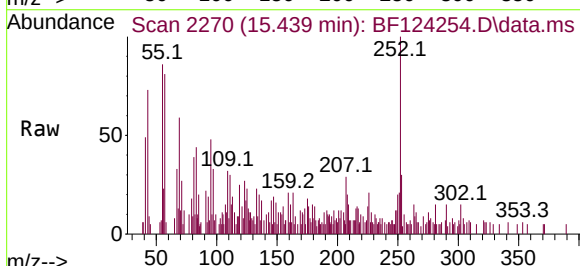
RT: 15.439 min Scan# 2270

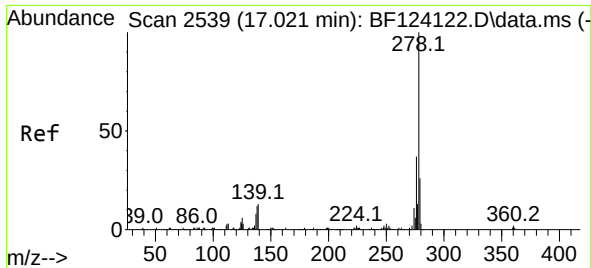
Delta R.T. 0.006 min

Lab File: BF124254.D

Acq: 11 Jun 2021 2:49

Tgt Ion:252	Resp:	8190
Ion Ratio	Lower	Upper
252	100	
253	30.1	18.4 27.6#
125	22.6	8.0 12.0#

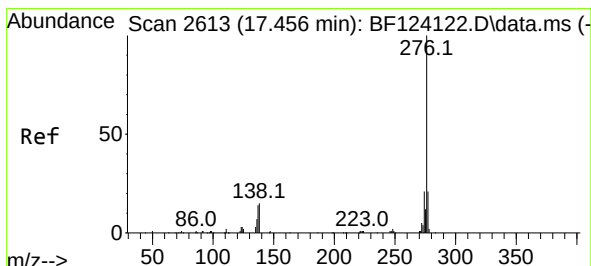
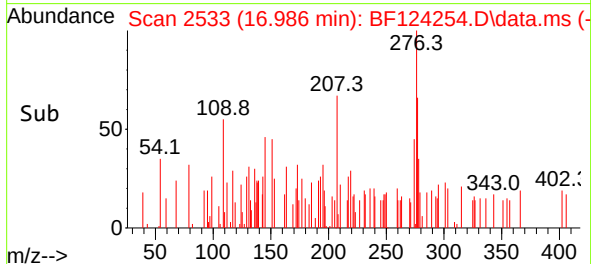
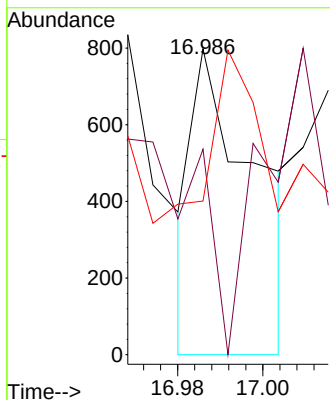
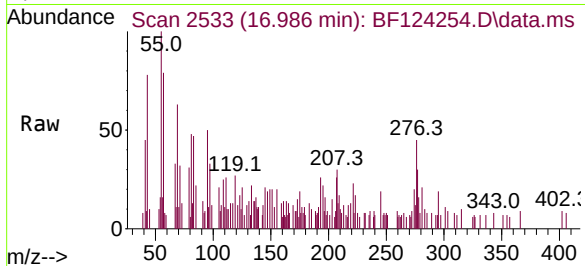




#91
Dibenzo(a,h)anthracene
Concen: 4.36 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

Tgt Ion:	278	Resp:	805
Ion Ratio	Lower	Upper	
278	100		
139	67.2	10.2	15.2#
279	50.3	19.4	29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.17 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	276	Resp:	5774
Ion Ratio	Lower	Upper	
276	100		
277	34.8	18.2	27.2#
138	40.1	13.8	20.6#

