

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126041.D
 Acq On : 4 Nov 2021 12:45
 Operator : JU/CG
 Sample : M4407-02DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-7-20211028-7.5-8DL

Quant Time: Nov 04 14:22:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

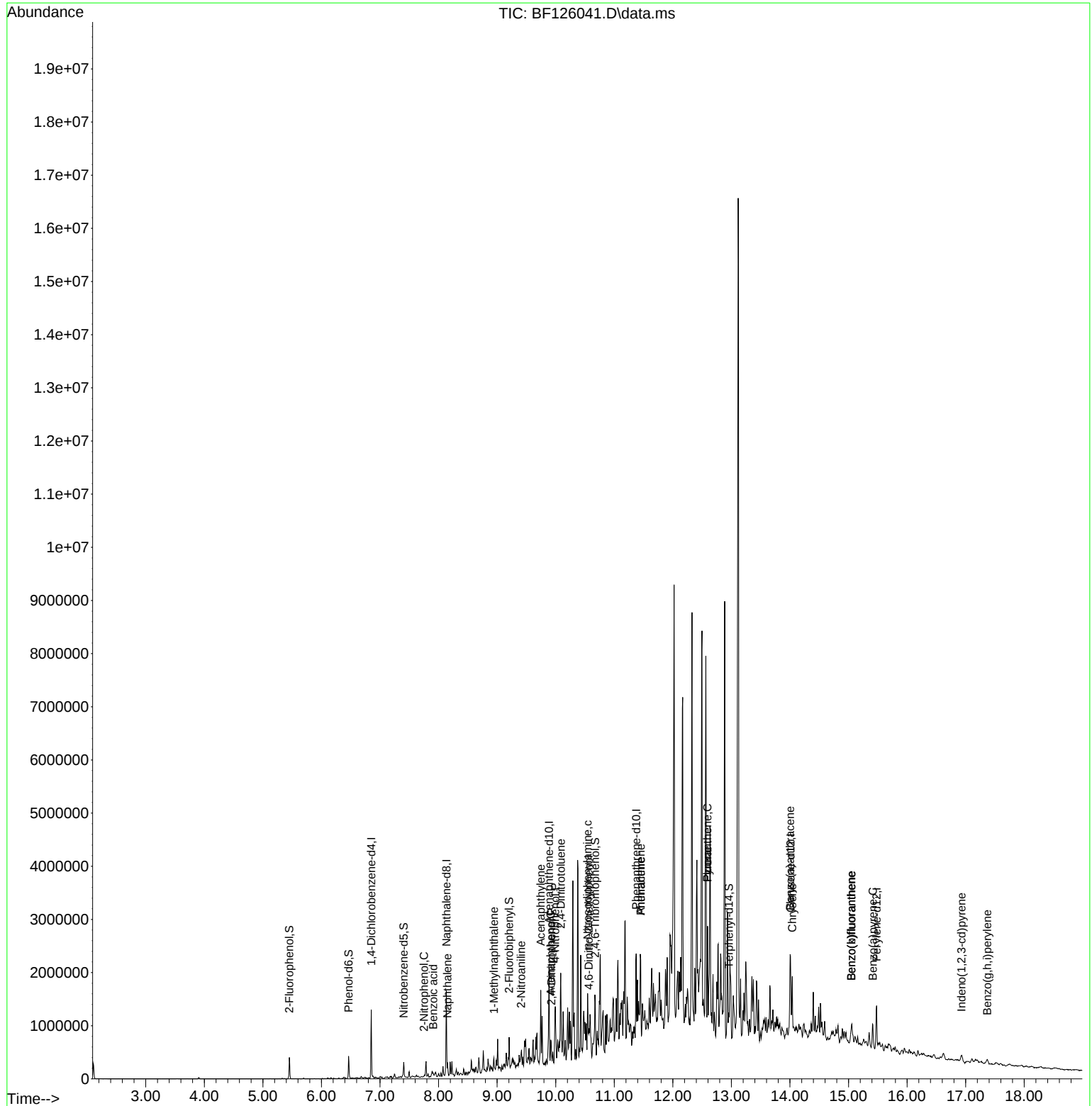
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157013	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	554076	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	295816	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	422878	20.000	ng	# 0.00
76) Chrysene-d12	14.009	240	329522	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	378619	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	77766	8.505	ng	-0.01
7) Phenol-d6	6.463	99	103481	8.029	ng	-0.02
23) Nitrobenzene-d5	7.404	82	75560	6.431	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	26022	7.676	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	137305	6.272	ng	-0.01
79) Terphenyl-d14	12.957	244	91639	4.484	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	1003	Below Cal	#	1
26) 2-Nitrophenol	7.751	139	241	4.681	ng	# 1
31) Naphthalene	8.151	128	57560	2.006	ng	# 95
32) Benzoic acid	7.910	122	4956	9.981	ng	# 52
38) 1-Methylnaphthalene	8.945	142	41629	2.168	ng	# 98
48) 2-Nitroaniline	9.410	65	2938	3.319	ng	# 25
49) Acenaphthylene	9.745	152	109789	4.034	ng	# 72
52) Acenaphthene	9.916	154	74382	4.333	ng	# 94
54) 2,4-Dinitrophenol	9.927	184	840	7.318	ng	# 1
56) 4-Nitrophenol	9.992	139	20710	6.934	ng	# 76
57) 2,4-Dinitrotoluene	10.086	165	18545	6.422	ng	# 39
65) 4,6-Dinitro-2-methylph...	10.563	198	5512	10.555	ng	# 87
66) n-Nitrosodiphenylamine	10.545	169	85333	6.337	ng	# 78
71) Phenanthrene	11.451	178	600598	26.189	ng	# 97
72) Anthracene	11.451	178	600598	26.232	ng	# 98
75) Fluoranthene	12.592	202	472325	18.495	ng	# 94
78) Pyrene	12.592	202	472325	17.873	ng	# 95
81) Benzo(a)anthracene	14.004	228	422509	18.664	ng	# 89
83) Chrysene	14.039	228	385864	18.319	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.927	276	63925	2.852	ng	# 77
88) Benzo(b)fluoranthene	15.051	252	271443	11.022	ng	# 90
89) Benzo(k)fluoranthene	15.051	252	271443	11.362	ng	# 94
90) Benzo(a)pyrene	15.415	252	225335	11.614	ng	# 92
92) Benzo(g,h,i)perylene	17.368	276	64005	3.626	ng	# 87

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
Data File : BF126041.D
Acq On : 4 Nov 2021 12:45
Operator : JU/CG
Sample : M4407-02DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

Quant Time: Nov 04 14:22:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration

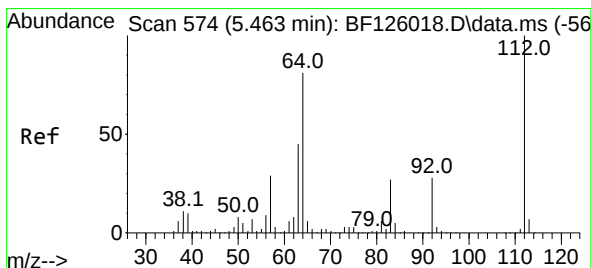
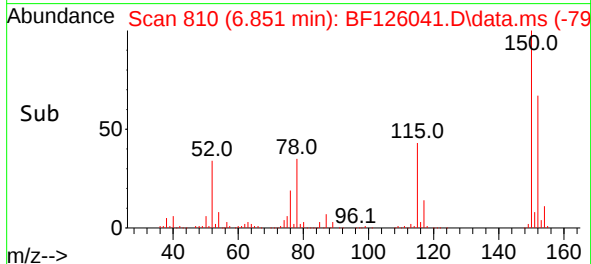
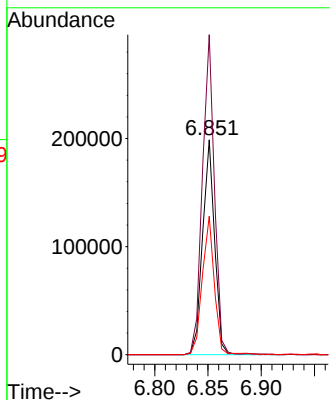
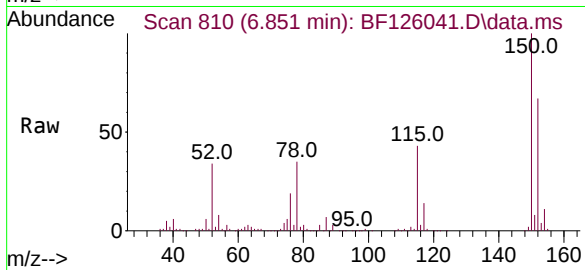




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

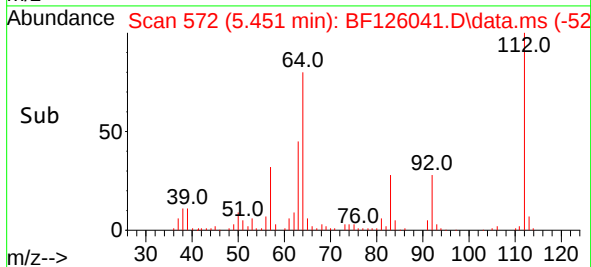
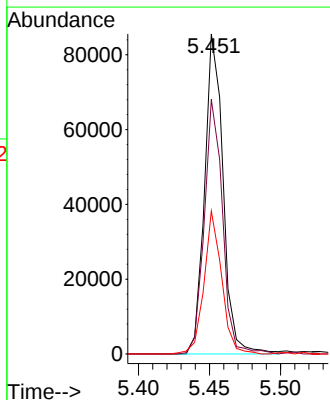
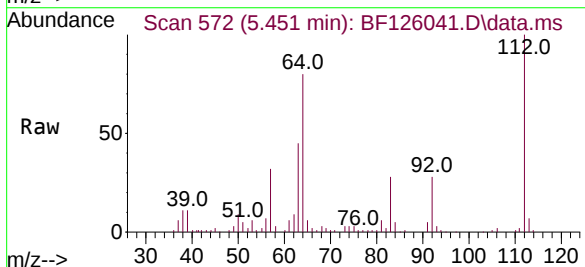
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

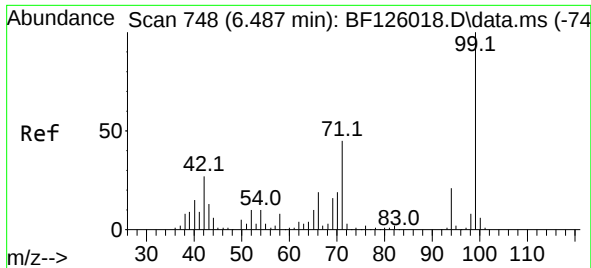
Tgt Ion:152 Resp: 157013
Ion Ratio Lower Upper
152 100
150 149.0 117.6 176.4
115 64.4 47.1 70.7



#5
2-Fluorophenol
Concen: 8.505 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:112 Resp: 77766
Ion Ratio Lower Upper
112 100
64 79.6 44.2 66.2#
63 44.6 26.2 39.2#

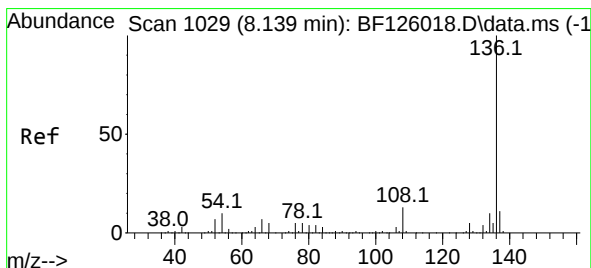
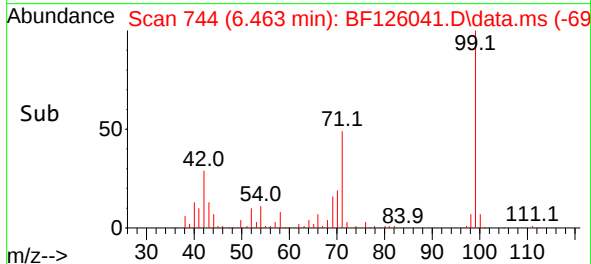
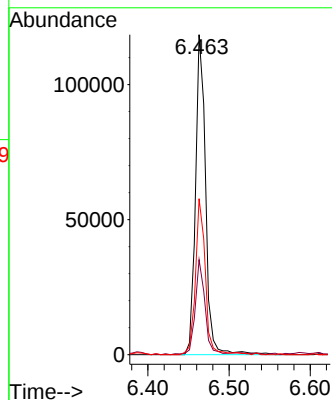
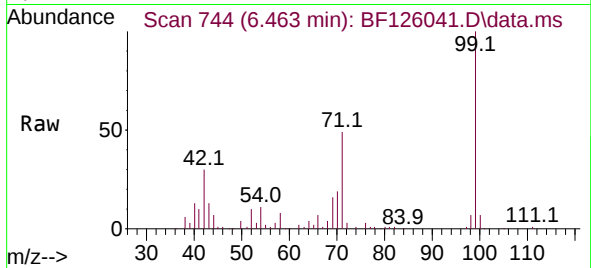




#7
Phenol-d6
Concen: 8.029 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

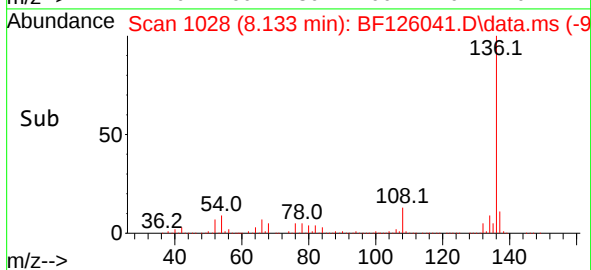
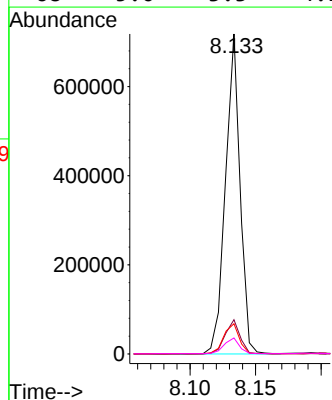
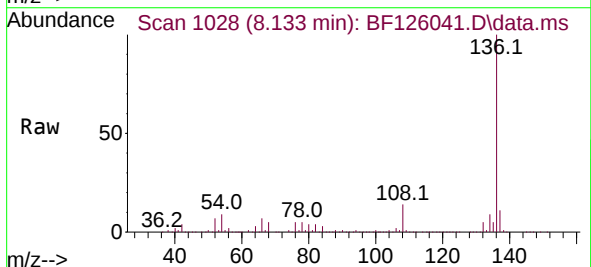
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

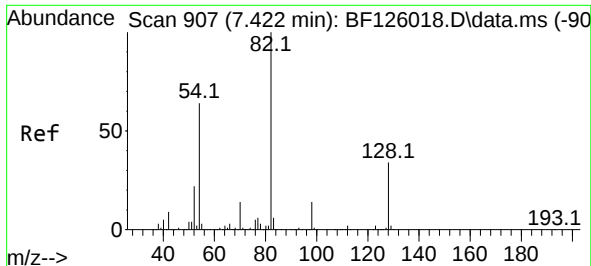
Tgt Ion: 99 Resp: 103481
Ion Ratio Lower Upper
99 100
42 29.7 23.5 35.3
71 48.8 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion: 136 Resp: 554076
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 9.5 6.4 9.6
68 5.0 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 6.431 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126041.D

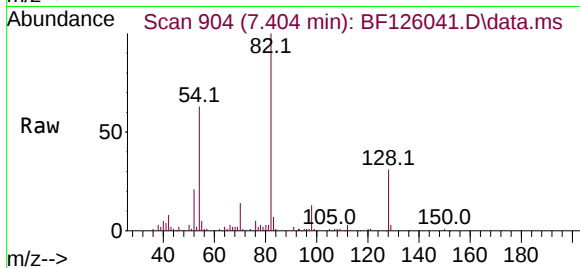
Acq: 4 Nov 2021 12:45

Instrument :

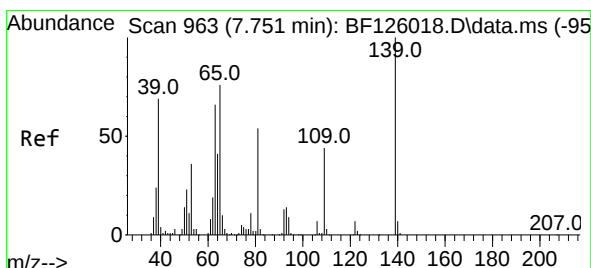
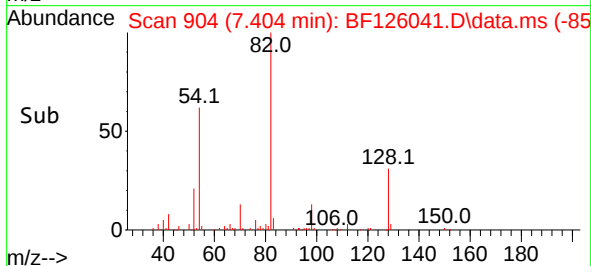
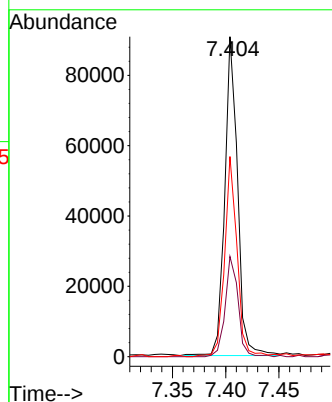
BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL



Tgt Ion:	82	Resp:	75560
Ion Ratio	Lower	Upper	
82	100		
128	31.3	40.6	60.8#
54	62.6	49.6	74.4



#26

2-Nitrophenol

Concen: 4.681 ng

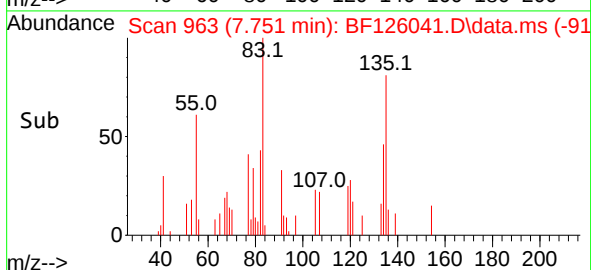
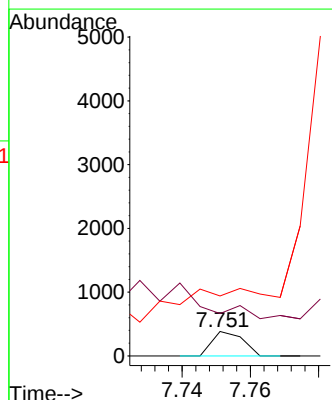
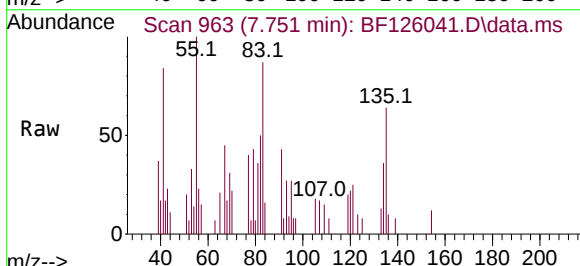
RT: 7.751 min Scan# 963

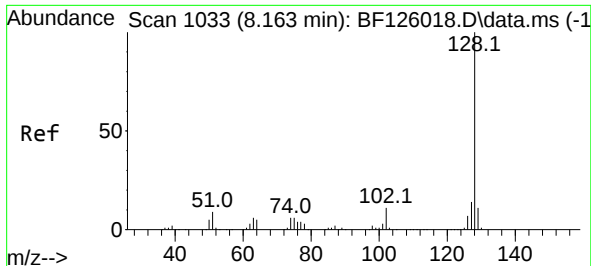
Delta R.T. 0.000 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Tgt Ion:	139	Resp:	241
Ion Ratio	Lower	Upper	
139	100		
109	173.6	26.0	39.0#
65	245.7	31.0	46.4#

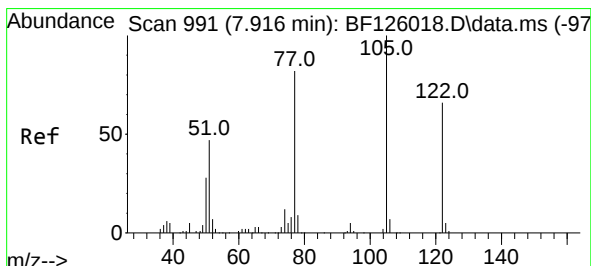
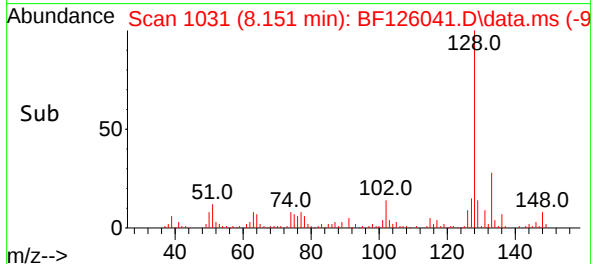
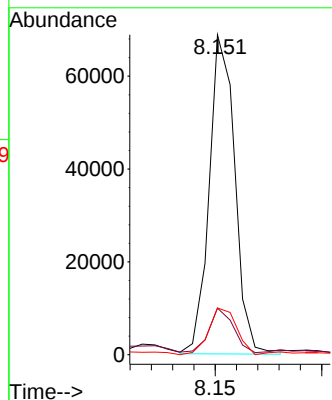
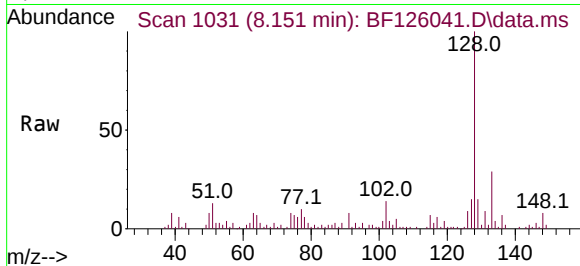




#31
Naphthalene
Concen: 2.006 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

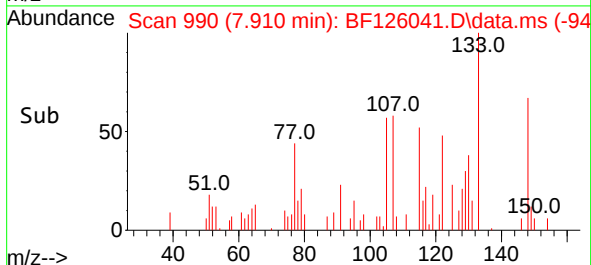
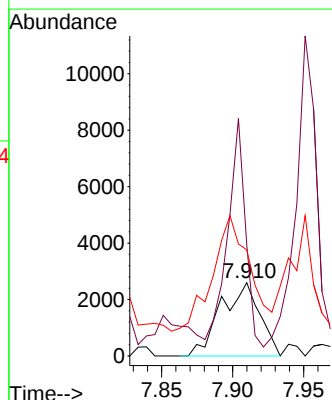
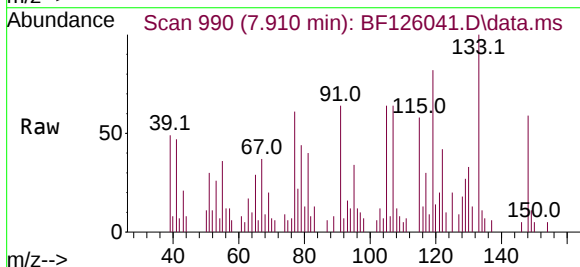
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

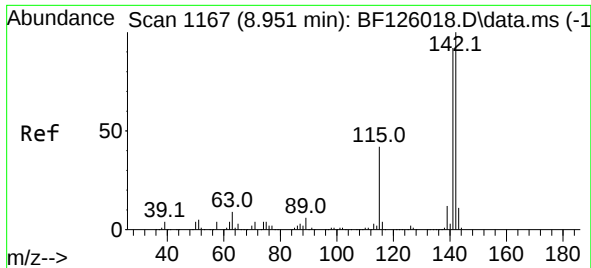
Tgt Ion:128 Resp: 57560
Ion Ratio Lower Upper
128 100
129 14.6 9.4 14.0#
127 14.6 10.9 16.3



#32
Benzoic acid
Concen: 9.981 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:122 Resp: 4956
Ion Ratio Lower Upper
122 100
105 151.4 97.6 137.6#
77 144.9 59.6 99.6#

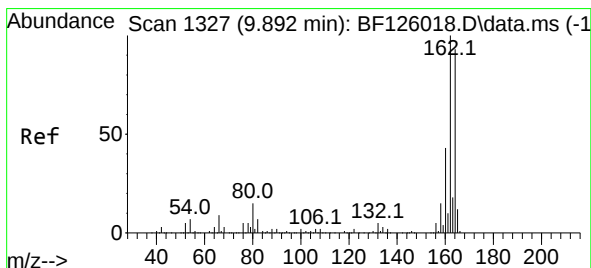
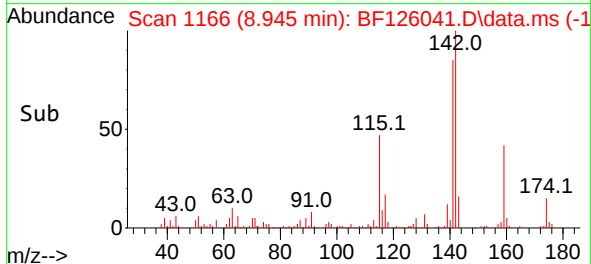
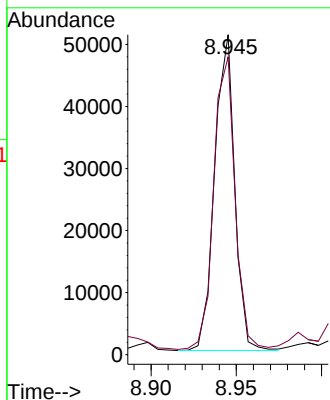
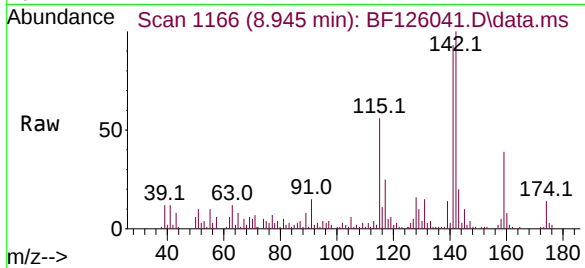




#38
1-Methylnaphthalene
Concen: 2.168 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

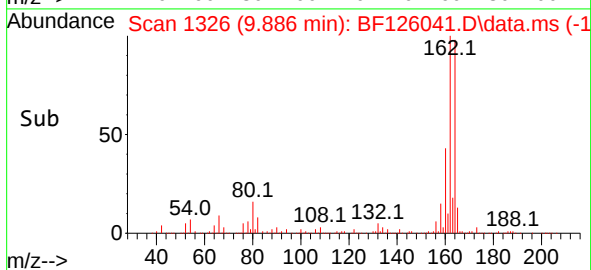
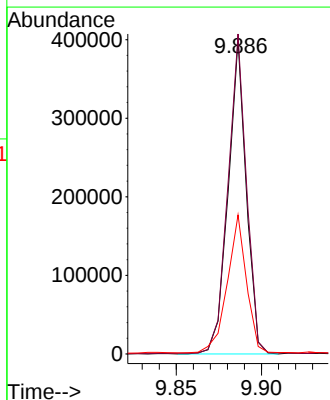
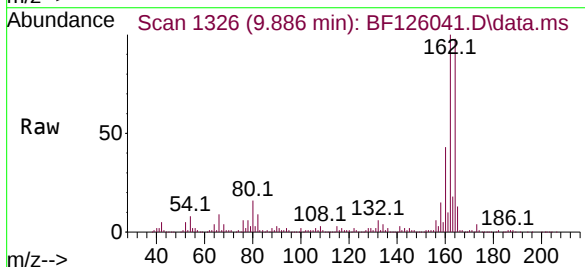
Instrument : BNA_F
ClientSampleId : FDR-BH-7-20211028-7.5-8DL

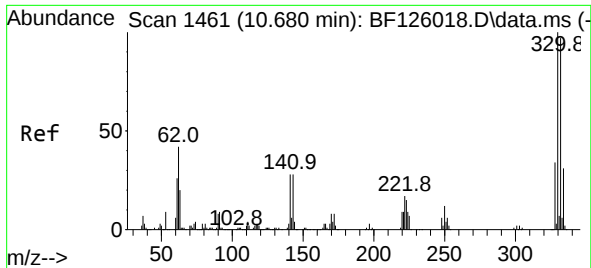
Tgt Ion:142 Resp: 41629
Ion Ratio Lower Upper
142 100
141 93.0 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:164 Resp: 295816
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 44.2 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 7.676 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126041.D

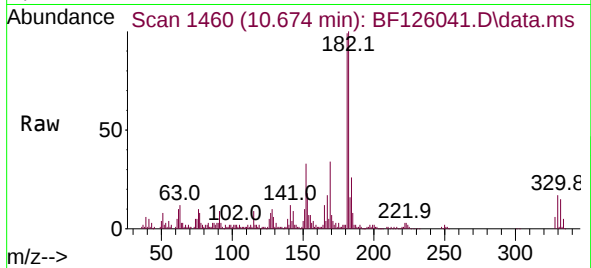
Acq: 4 Nov 2021 12:45

Instrument :

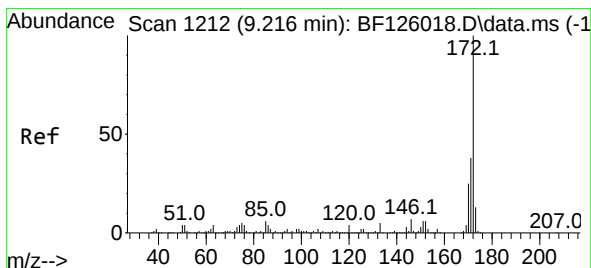
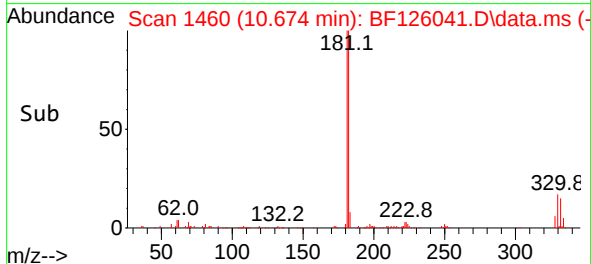
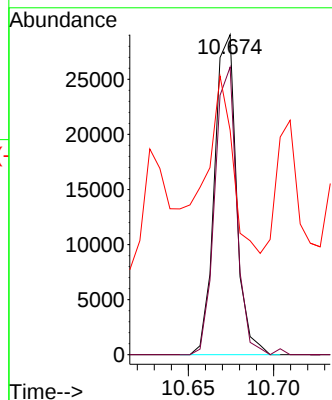
BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL



Tgt Ion:	330	Resp:	26022
Ion Ratio	Lower	Upper	
330	100		
332	90.3	76.2	114.4
141	65.7	44.6	66.8



#45

2-Fluorobiphenyl

Concen: 6.272 ng

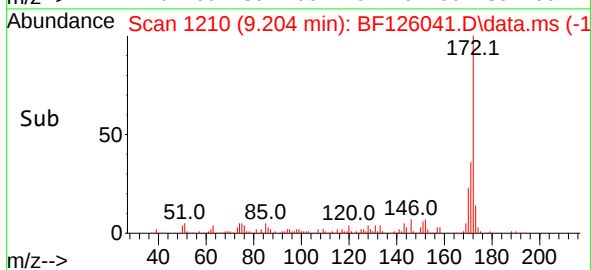
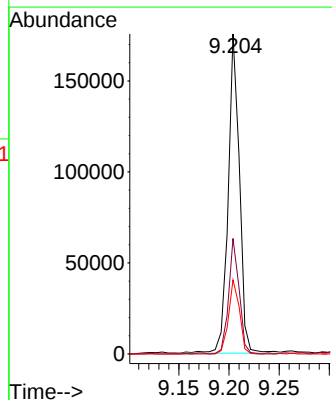
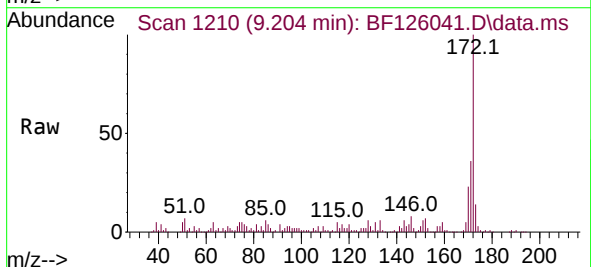
RT: 9.204 min Scan# 1210

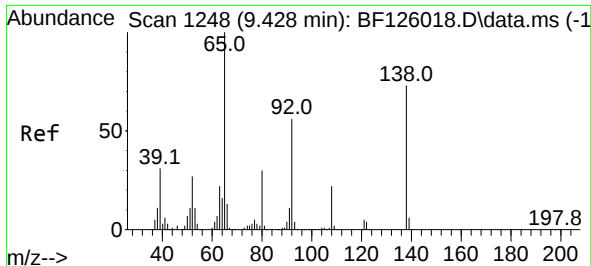
Delta R.T. -0.012 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Tgt Ion:	172	Resp:	137305
Ion Ratio	Lower	Upper	
172	100		
171	36.1	26.5	39.7
170	23.2	18.8	28.2

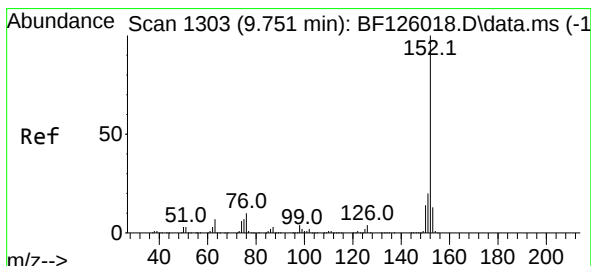
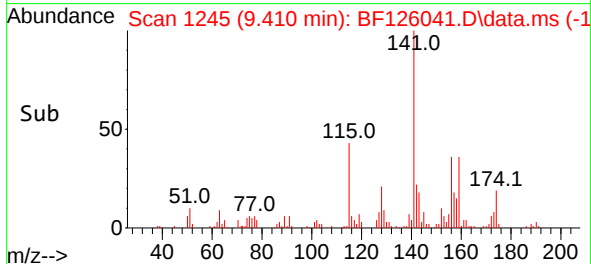
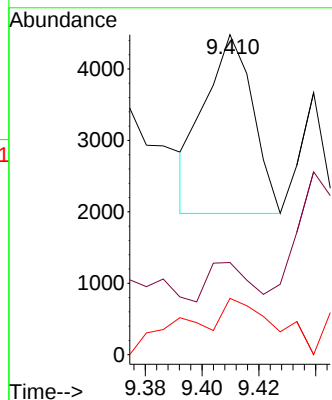
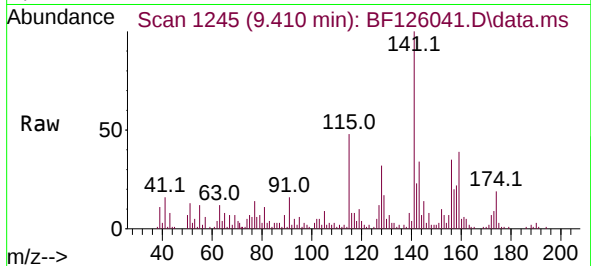




#48
2-Nitroaniline
Concen: 3.319 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

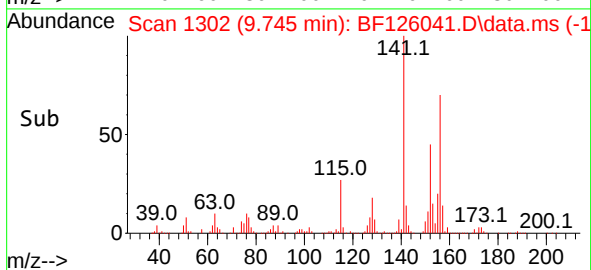
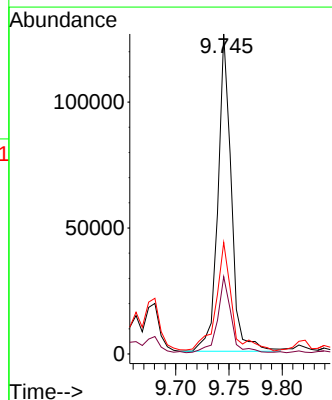
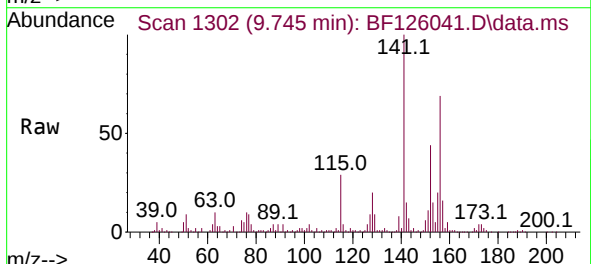
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

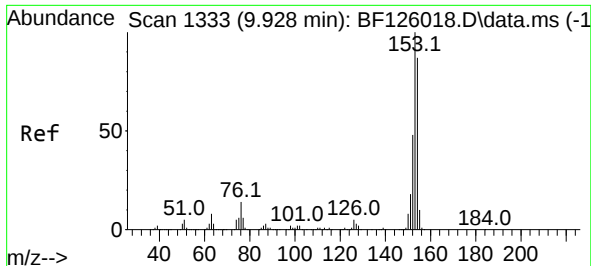
Tgt Ion: 65 Resp: 2938
Ion Ratio Lower Upper
65 100
92 28.8 55.5 83.3#
138 17.6 93.5 140.3#



#49
Acenaphthylene
Concen: 4.034 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:152 Resp: 109789
Ion Ratio Lower Upper
152 100
151 24.2 15.7 23.5#
153 34.9 9.8 14.8#

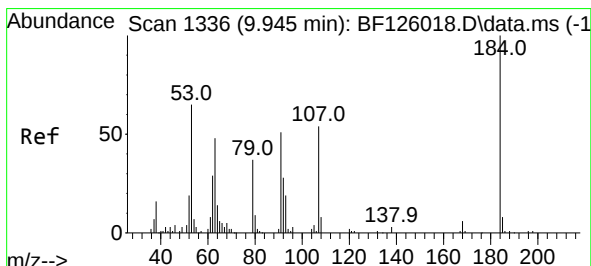
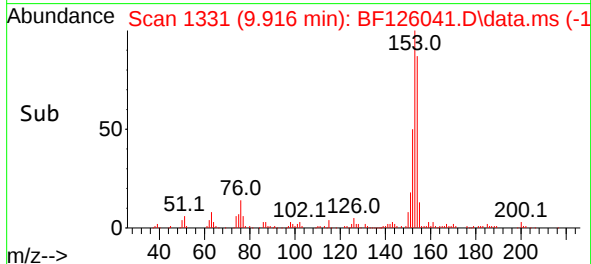
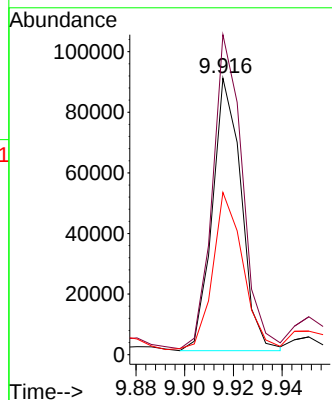
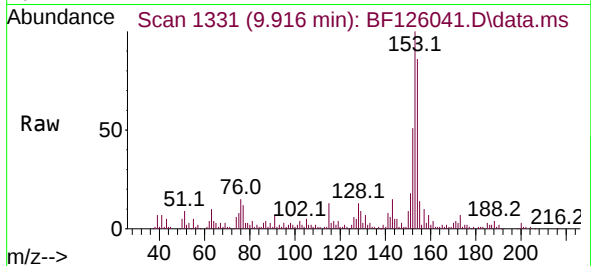




#52
Acenaphthene
Concen: 4.333 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

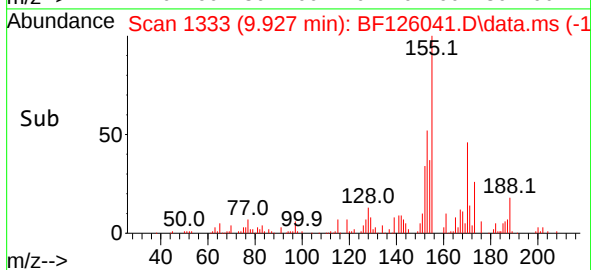
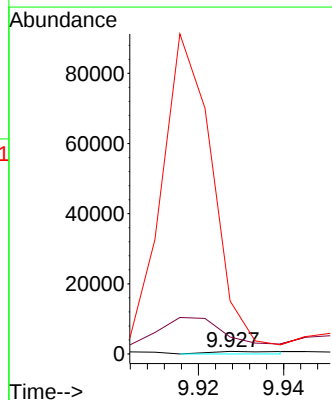
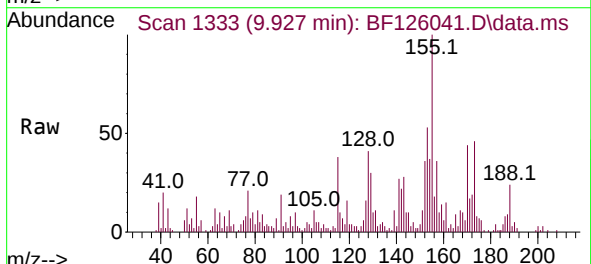
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

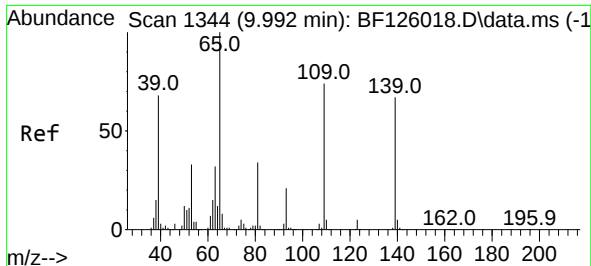
Tgt Ion:154 Resp: 74382
Ion Ratio Lower Upper
154 100
153 115.7 89.4 134.2
152 58.7 40.5 60.7



#54
2,4-Dinitrophenol
Concen: 7.318 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:184 Resp: 840
Ion Ratio Lower Upper
184 100
63 663.9 59.3 88.9#
154 2077.7 68.6 102.8#

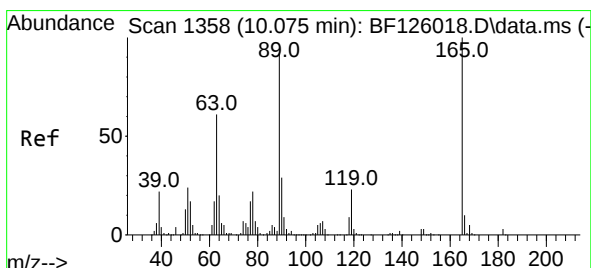
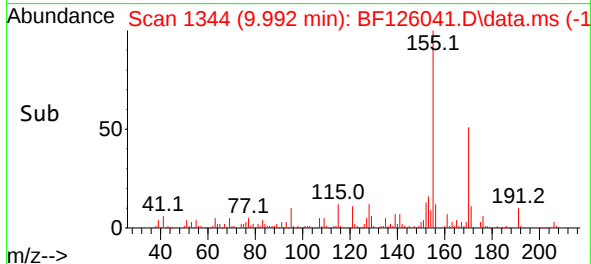
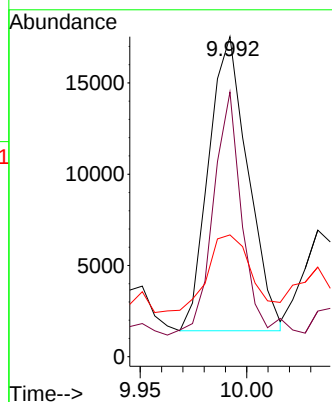
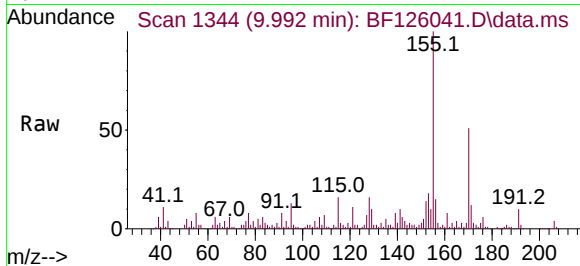




#56
4-Nitrophenol
Concen: 6.934 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

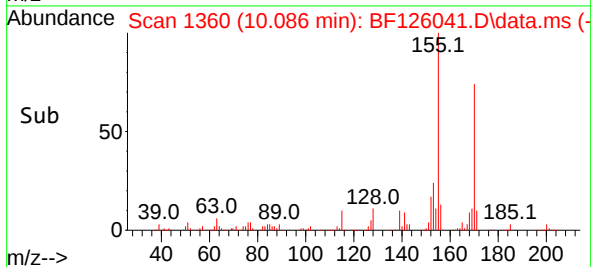
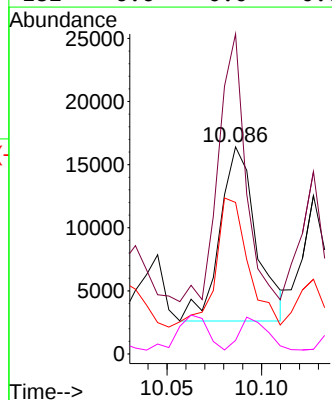
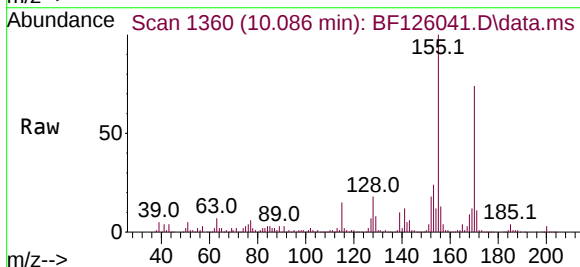
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL

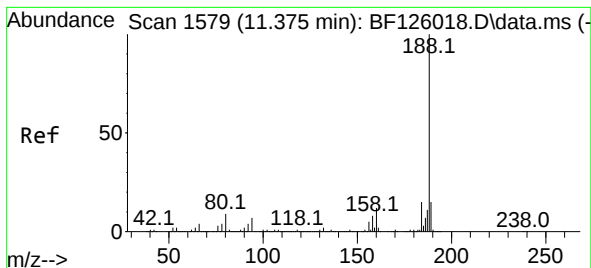
Tgt Ion:139 Resp: 20710
Ion Ratio Lower Upper
139 100
109 82.7 60.4 100.4
65 38.1 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 6.422 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.011 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:165 Resp: 18545
Ion Ratio Lower Upper
165 100
63 154.6 40.9 61.3#
89 73.2 59.7 89.5
182 6.6 0.0 0.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 11

Delta R.T. -0.001 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL

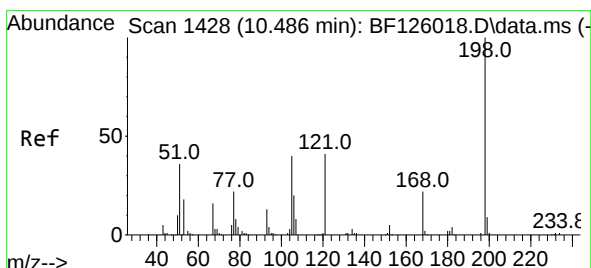
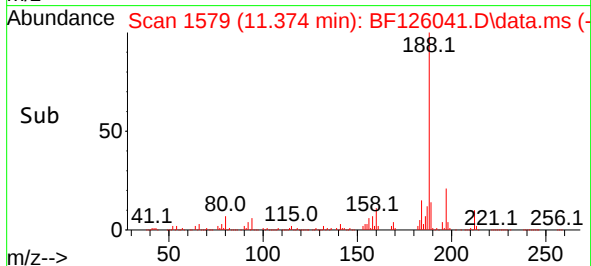
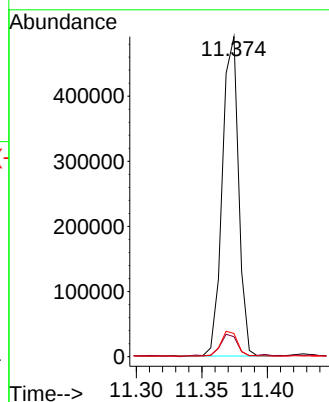
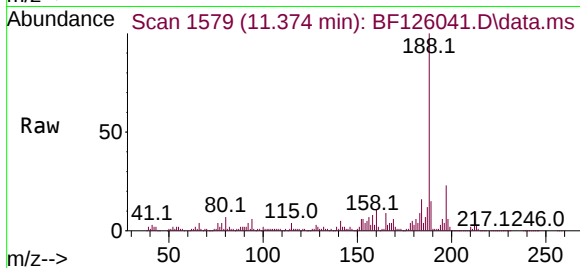
Tgt Ion:188 Resp: 422878

Ion Ratio Lower Upper

188 100

94 6.3 6.7 10.1#

80 7.2 7.5 11.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 10.555 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.077 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

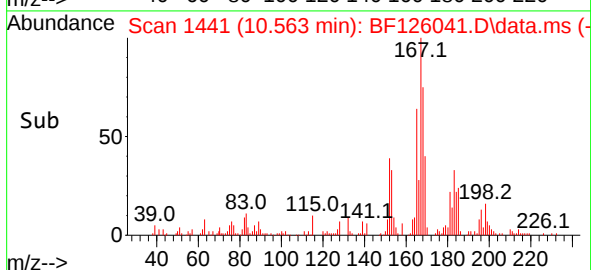
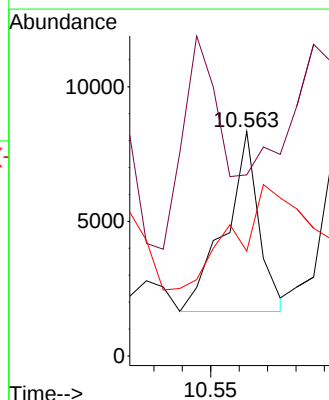
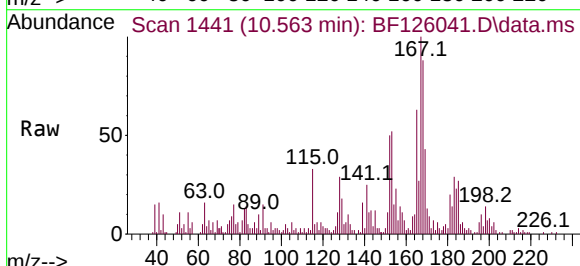
Tgt Ion:198 Resp: 5512

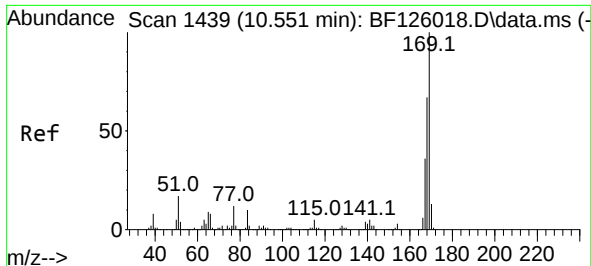
Ion Ratio Lower Upper

198 100

51 80.7 45.3 85.3

105 46.7 30.6 70.6

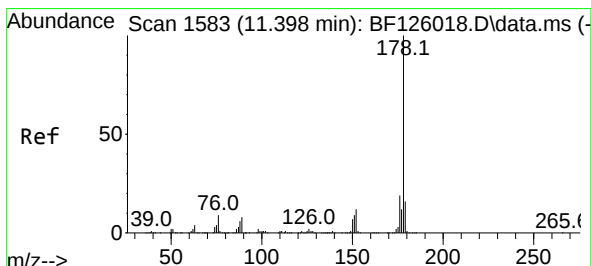
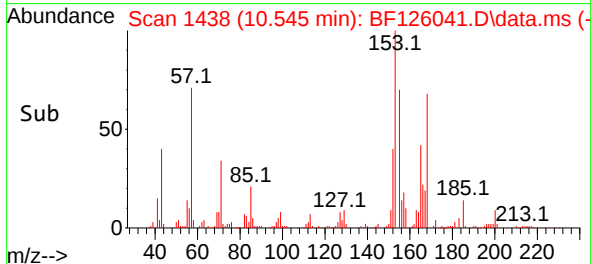
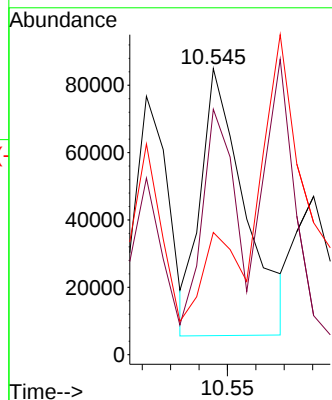
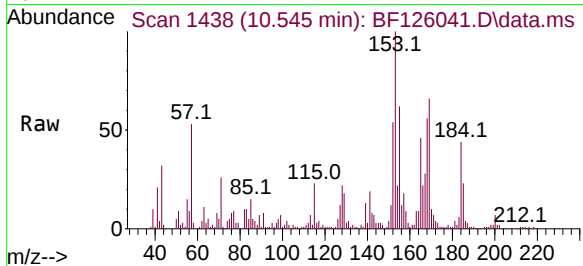




#66
n-Nitrosodiphenylamine
Concen: 6.337 ng
RT: 10.545 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

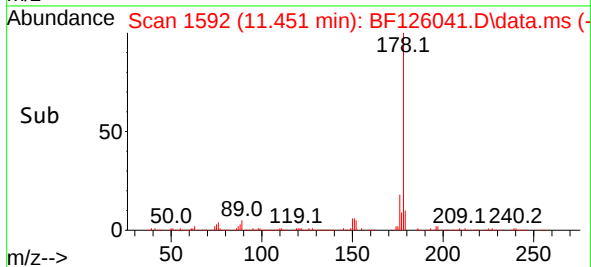
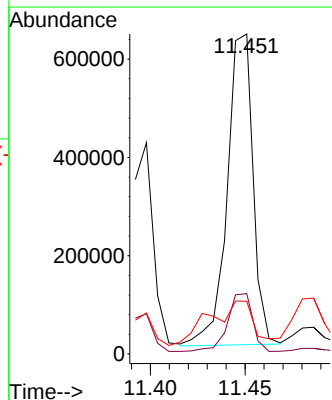
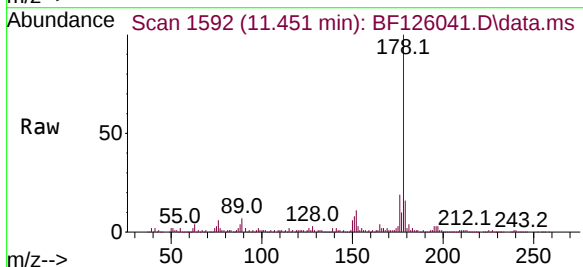
Instrument : BNA_F
ClientSampleId : FDR-BH-7-20211028-7.5-8DL

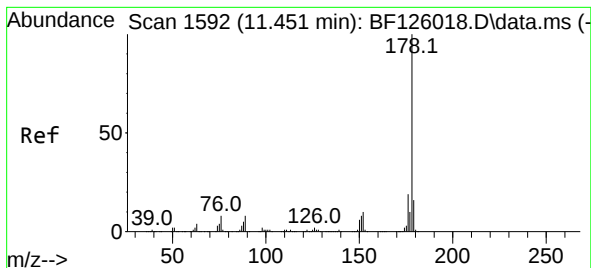
Tgt Ion:169 Resp: 85333
Ion Ratio Lower Upper
169 100
168 85.8 50.8 76.2#
167 42.7 28.8 43.2



#71
Phenanthrene
Concen: 26.189 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.053 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:178 Resp: 600598
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 16.4 11.5 17.3





#72

Anthracene

Concen: 26.232 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL

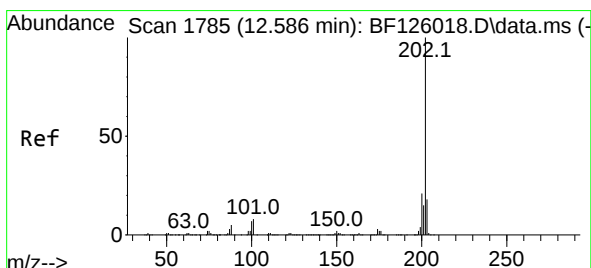
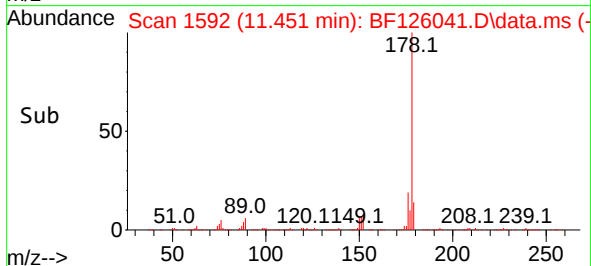
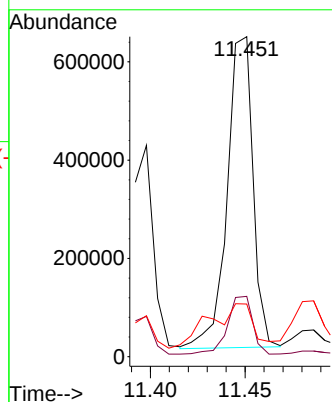
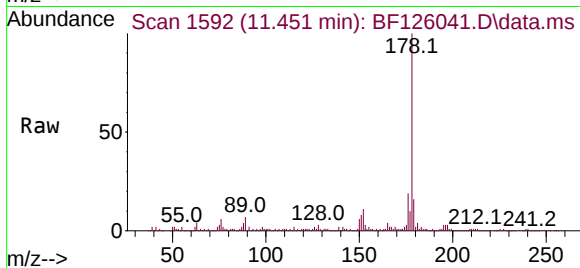
Tgt Ion:178 Resp: 600598

Ion Ratio Lower Upper

178 100

176 18.8 14.3 21.5

179 16.4 12.2 18.4



#75

Fluoranthene

Concen: 18.495 ng

RT: 12.592 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

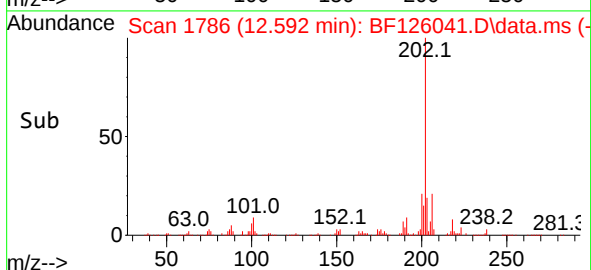
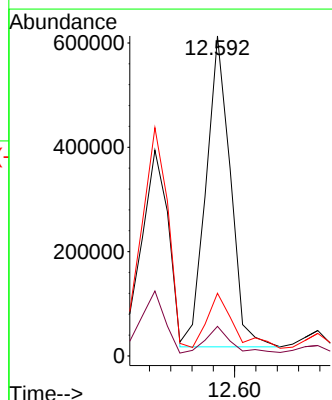
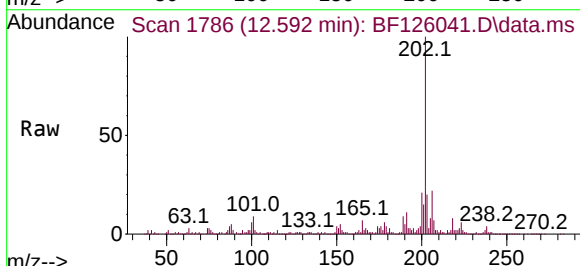
Tgt Ion:202 Resp: 472325

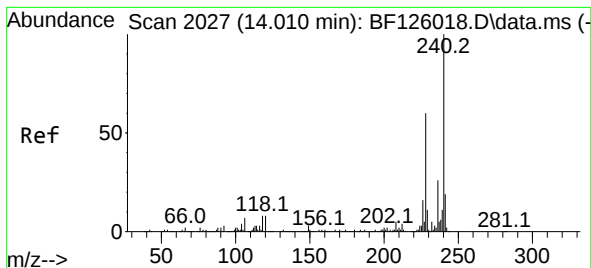
Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.7

203 19.6 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.009 min Scan# 20

Delta R.T. -0.001 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL

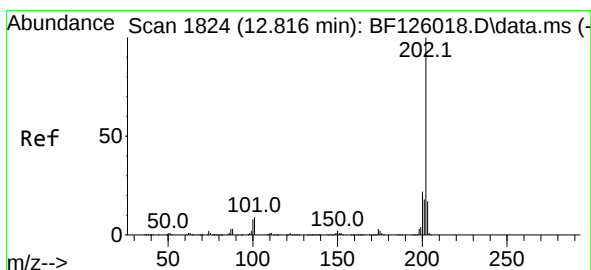
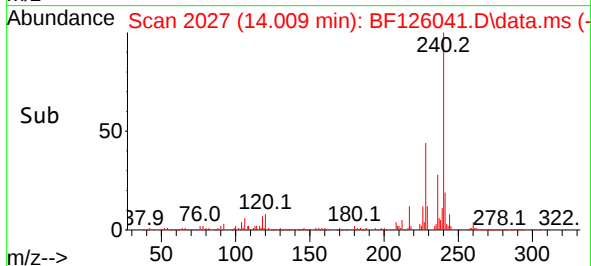
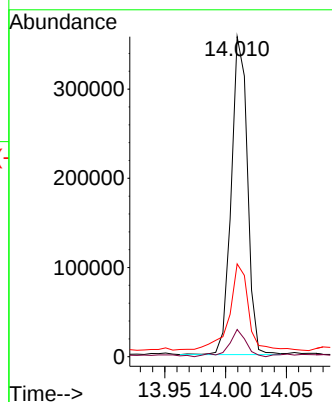
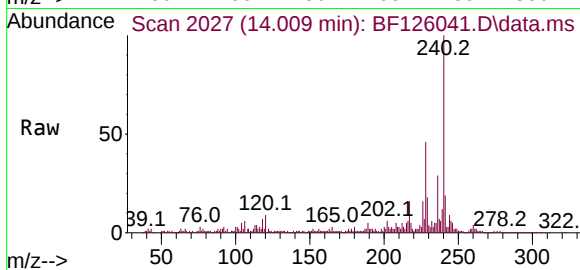
Tgt Ion:240 Resp: 329522

Ion Ratio Lower Upper

240 100

120 8.5 10.8 16.2#

236 29.0 21.6 32.4



#78

Pyrene

Concen: 17.873 ng

RT: 12.592 min Scan# 1786

Delta R.T. -0.224 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

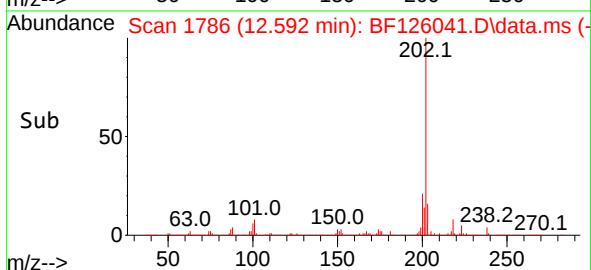
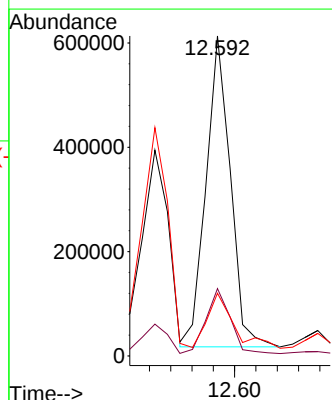
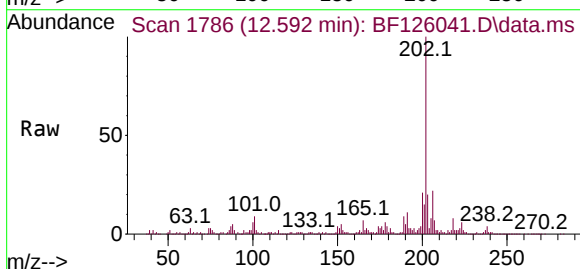
Tgt Ion:202 Resp: 472325

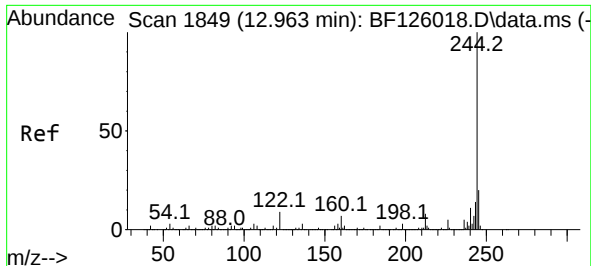
Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 19.6 13.4 20.0

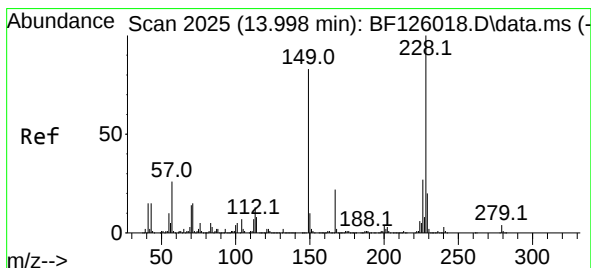
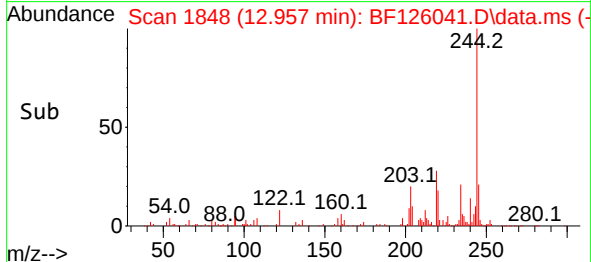
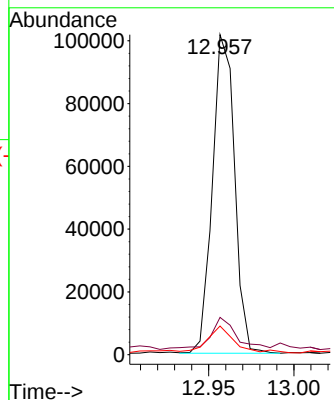
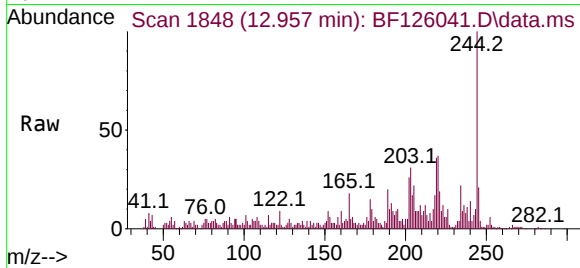




#79
 Terphenyl-d14
 Concen: 4.484 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126041.D
 Acq: 4 Nov 2021 12:45

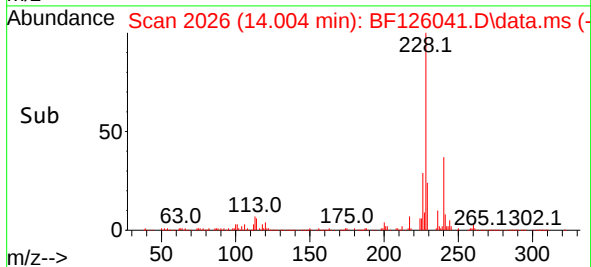
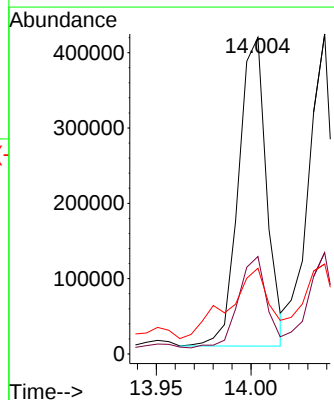
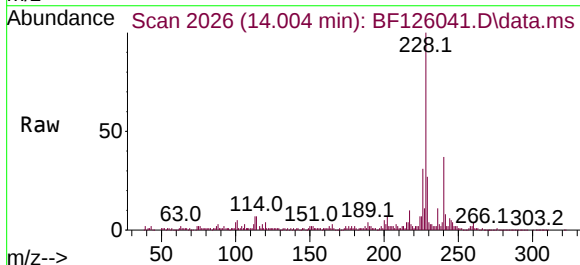
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-7-20211028-7.5-8DL

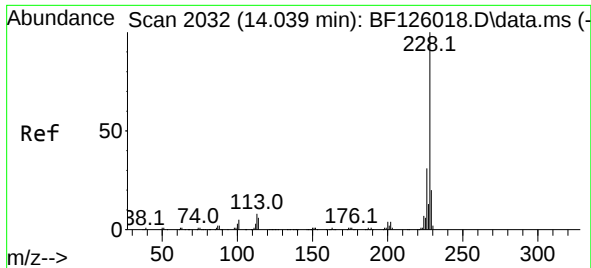
Tgt Ion:244 Resp: 91639
 Ion Ratio Lower Upper
 244 100
 212 11.7 5.9 8.9#
 122 9.0 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 18.664 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126041.D
 Acq: 4 Nov 2021 12:45

Tgt Ion:228 Resp: 422509
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.6 32.4
 229 27.1 15.6 23.4#

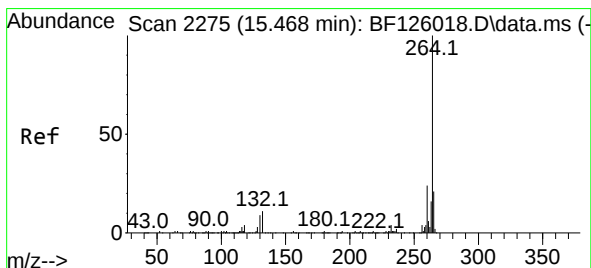
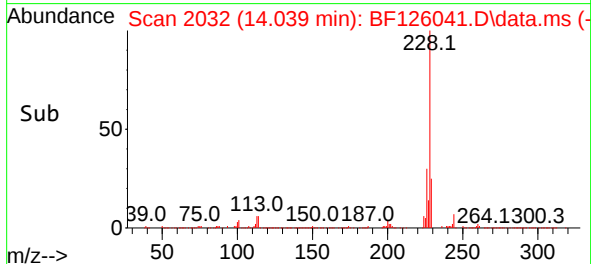
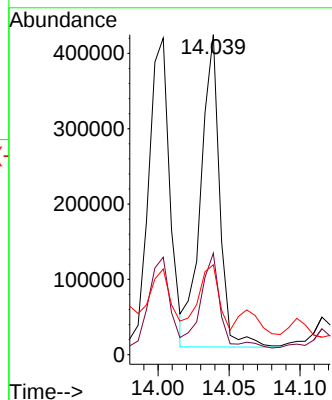
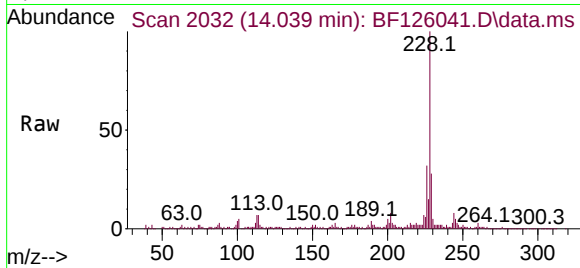




#83
Chrysene
Concen: 18.319 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

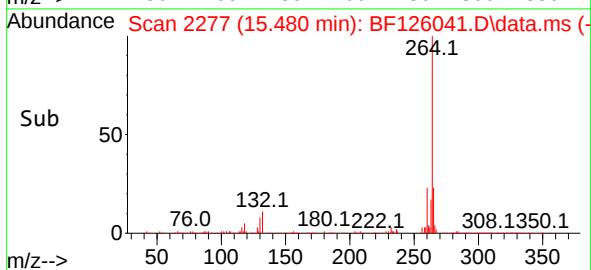
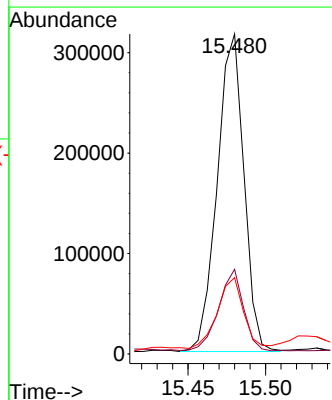
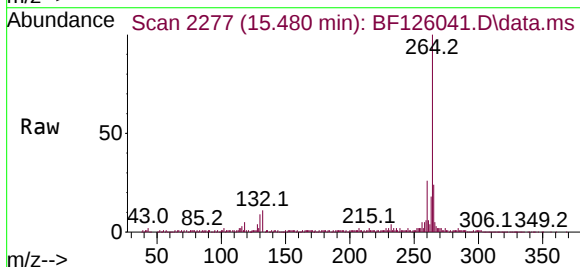
Instrument : BNA_F
ClientSampleId : FDR-BH-7-20211028-7.5-8DL

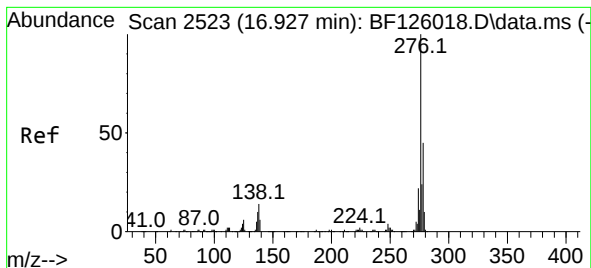
Tgt Ion:228 Resp: 385864
Ion Ratio Lower Upper
228 100
226 31.7 22.6 34.0
229 28.1 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:264 Resp: 378619
Ion Ratio Lower Upper
264 100
260 26.5 19.6 29.4
265 23.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.852 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL

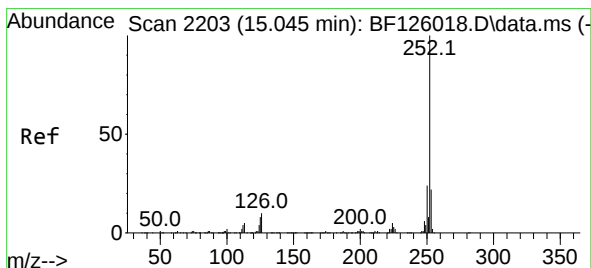
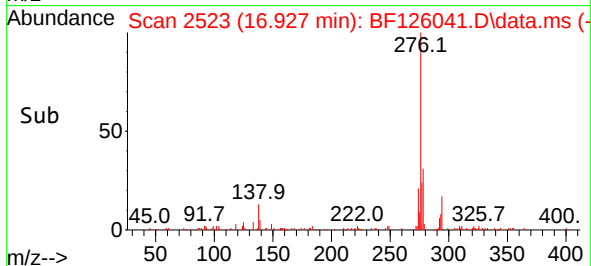
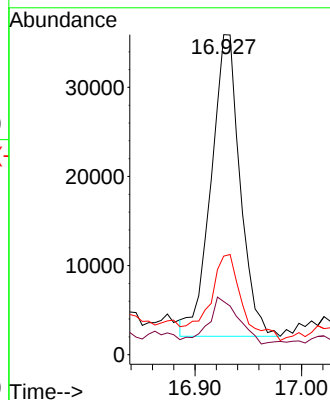
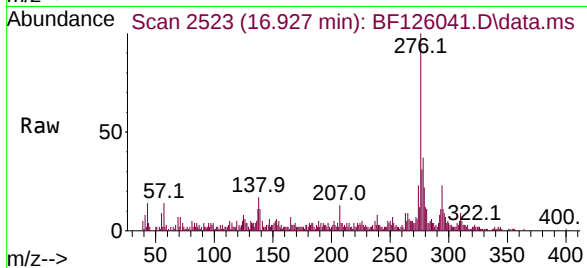
Tgt Ion:276 Resp: 63925

Ion Ratio Lower Upper

276 100

138 14.6 24.1 36.1#

277 31.0 18.8 28.2#



#88

Benzo(b)fluoranthene

Concen: 11.022 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

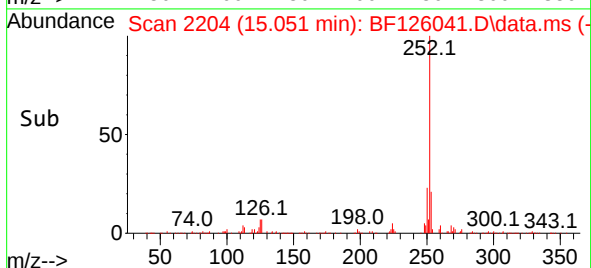
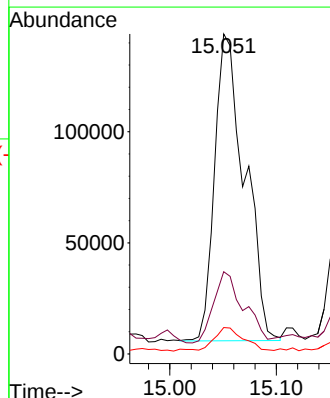
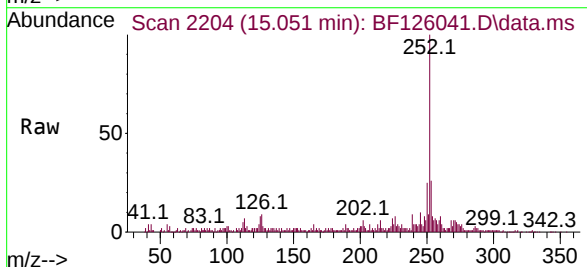
Tgt Ion:252 Resp: 271443

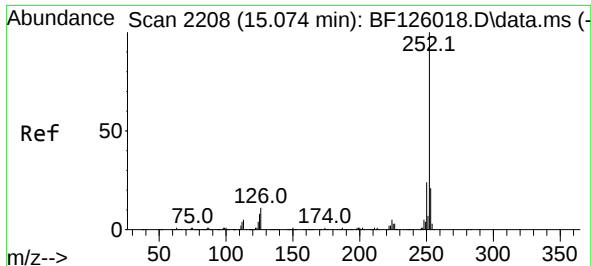
Ion Ratio Lower Upper

252 100

253 25.7 16.8 25.2#

125 8.3 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 11.362 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL

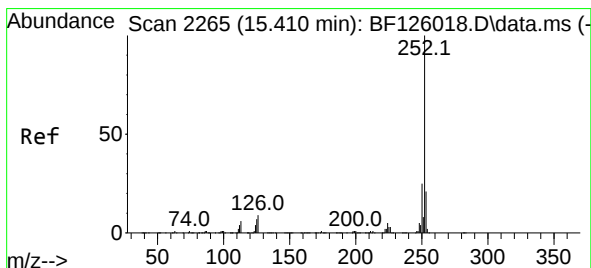
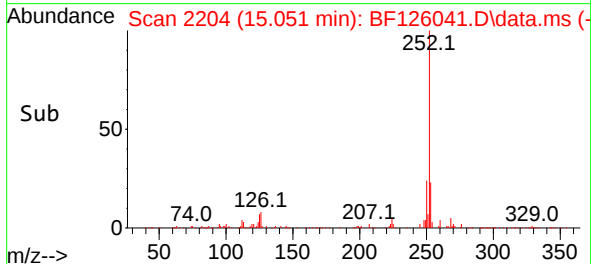
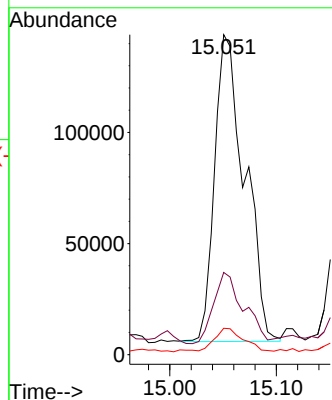
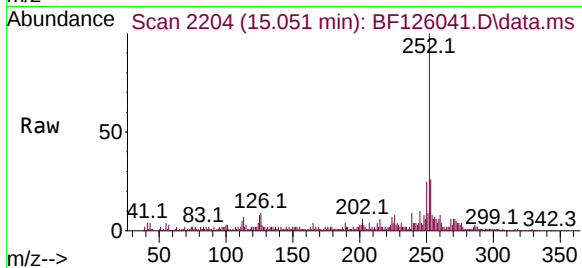
Tgt Ion:252 Resp: 271443

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.8

125 8.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 11.614 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.005 min

Lab File: BF126041.D

Acq: 4 Nov 2021 12:45

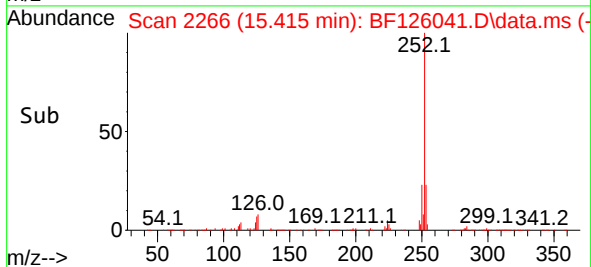
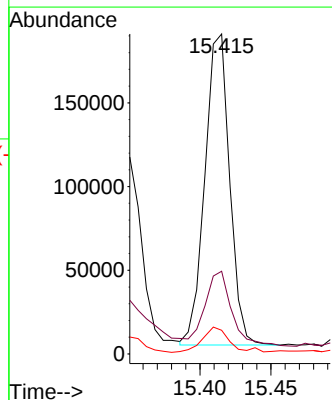
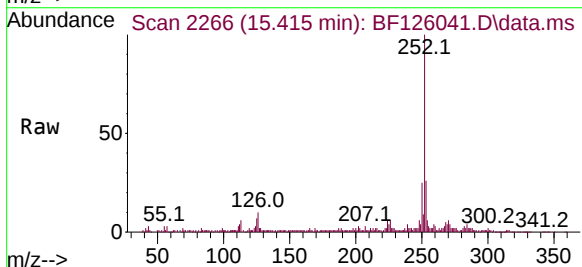
Tgt Ion:252 Resp: 225335

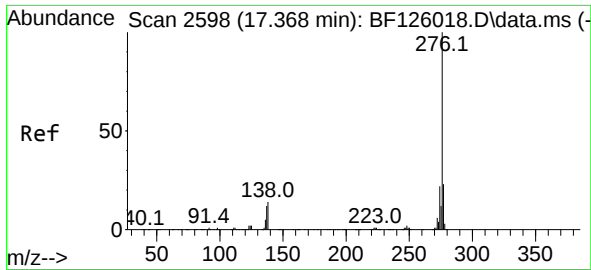
Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

125 7.4 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 3.626 ng

RT: 17.368 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126041.D

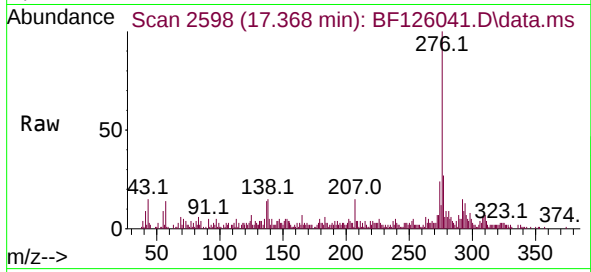
Acq: 4 Nov 2021 12:45

Instrument :

BNA_F

ClientSampleId :

FDR-BH-7-20211028-7.5-8DL



Tgt Ion:276 Resp: 64005

Ion Ratio Lower Upper

276 100

277 27.0 22.0 33.0

138 14.7 22.2 33.4#

