

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126030.D
 Acq On : 3 Nov 2021 20:56
 Operator : JU/CG
 Sample : M4427-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8

Quant Time: Nov 04 10:11:55 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)

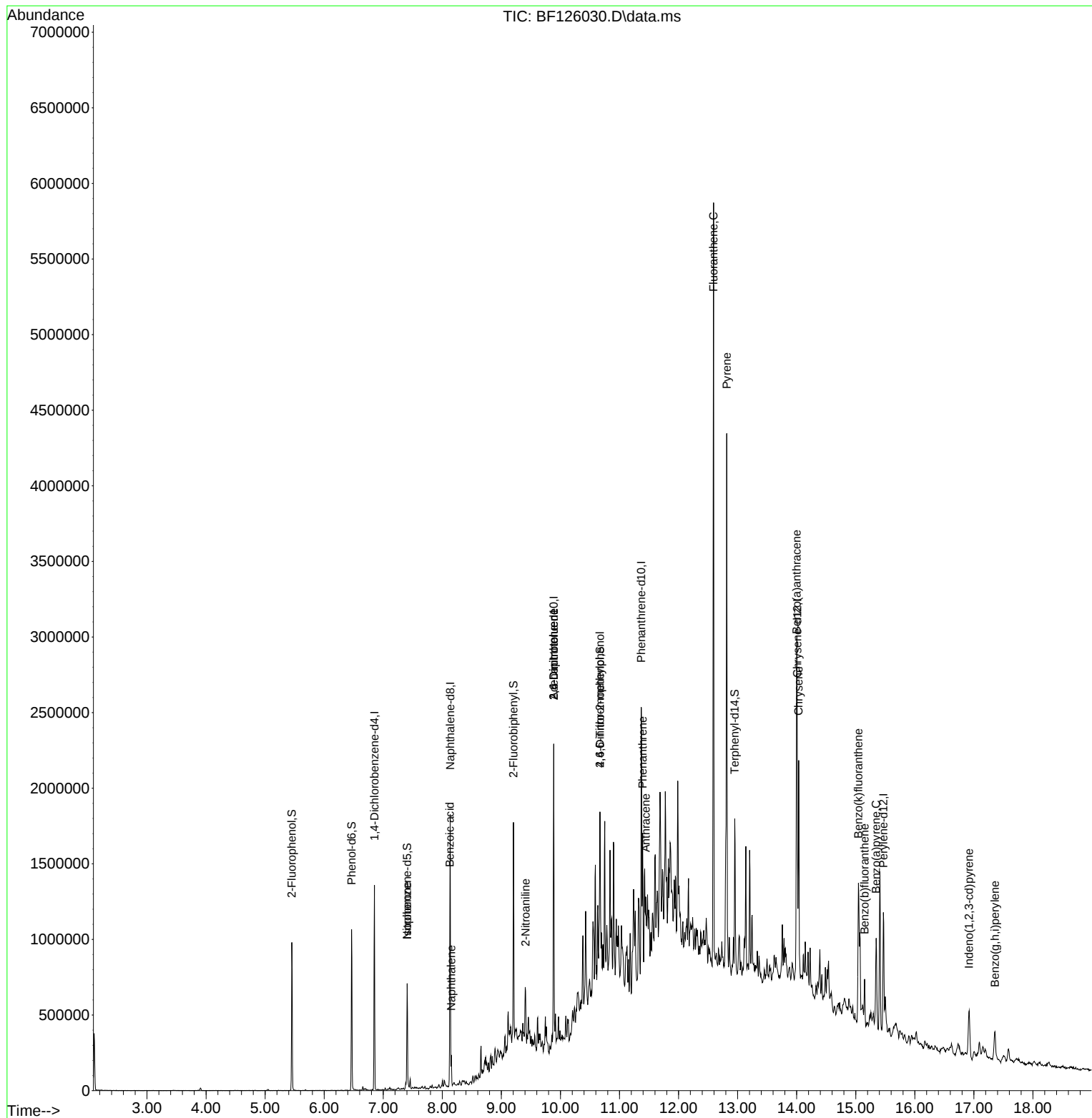
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	164547	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	622519	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	352916	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	580212	20.000	ng	0.00
76) Chrysene-d12	14.010	240	358424	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	356491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	197205	20.581	ng	-0.01
7) Phenol-d6	6.463	99	259983	19.248	ng	-0.02
23) Nitrobenzene-d5	7.404	82	190804	14.455	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	71350	17.642	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	382800	14.658	ng	-0.01
79) Terphenyl-d14	12.951	244	311068	13.995	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	360	Below Cal	#	1
25) Isophorone	7.404	82	190451	8.014	ng	# 59
31) Naphthalene	8.151	128	64534	2.001	ng	98
32) Benzoic acid	8.128	122	127	9.161	ng	# 1
48) 2-Nitroaniline	9.410	65	2269	3.153	ng	# 17
51) 2,6-Dinitrotoluene	9.886	165	48418	10.994	ng	# 27
57) 2,4-Dinitrotoluene	9.886	165	48418	10.294	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.669	198	118	8.352	ng	# 1
71) Phenanthrene	11.392	178	90565	2.878	ng	99
72) Anthracene	11.445	178	155767	4.959	ng	99
75) Fluoranthene	12.592	202	1774733	50.651	ng	94
78) Pyrene	12.816	202	1333513	46.393	ng	96
81) Benzo(a)anthracene	13.998	228	688839	27.975	ng	97
83) Chrysene	14.033	228	511777	22.337	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	199003	9.431	ng	# 84
88) Benzo(b)fluoranthene	15.151	252	121258	5.229	ng	95
89) Benzo(k)fluoranthene	15.045	252	770762	34.266	ng	99
90) Benzo(a)pyrene	15.345	252	271753	14.876	ng	97
92) Benzo(g,h,i)perylene	17.356	276	161365	9.708	ng	# 85

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

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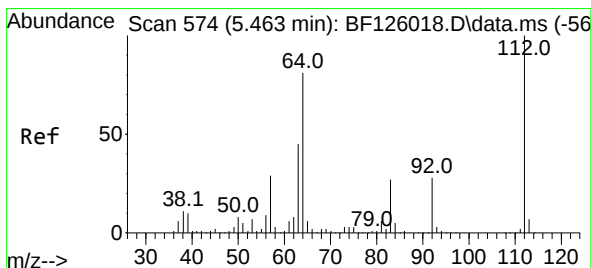
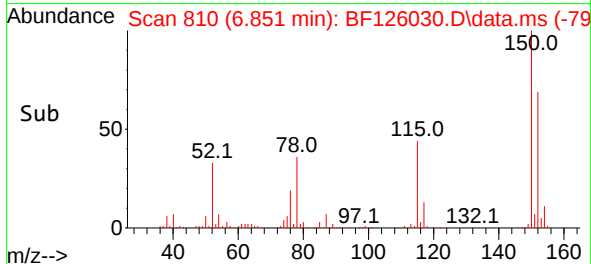
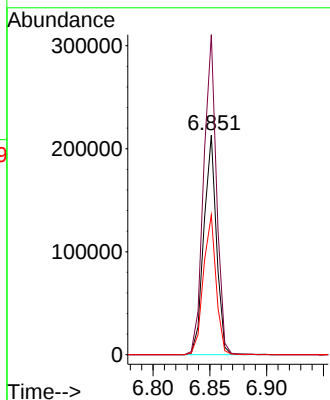
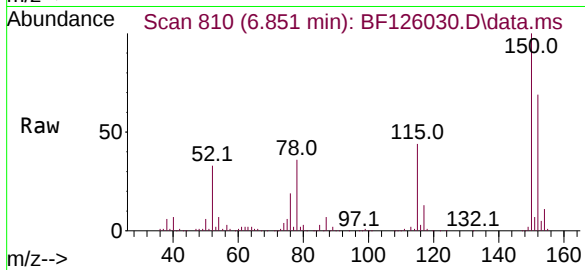




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

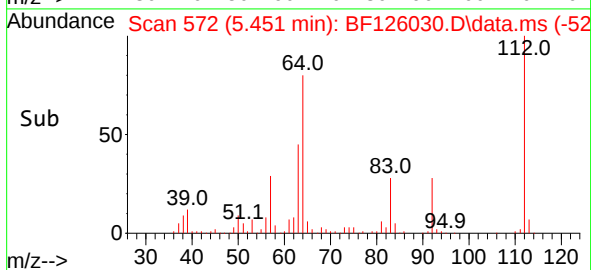
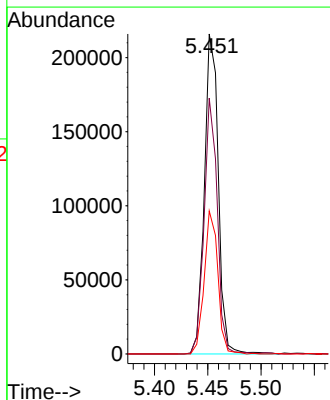
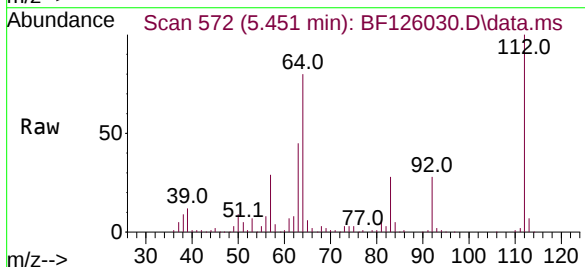
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

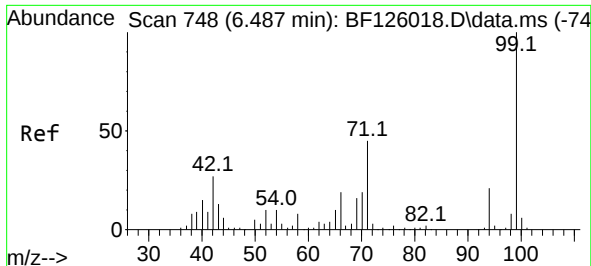
Tgt Ion:152 Resp: 164547
Ion Ratio Lower Upper
152 100
150 145.8 117.6 176.4
115 63.7 47.1 70.7



#5
2-Fluorophenol
Concen: 20.581 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:112 Resp: 197205
Ion Ratio Lower Upper
112 100
64 79.9 44.2 66.2#
63 44.7 26.2 39.2#

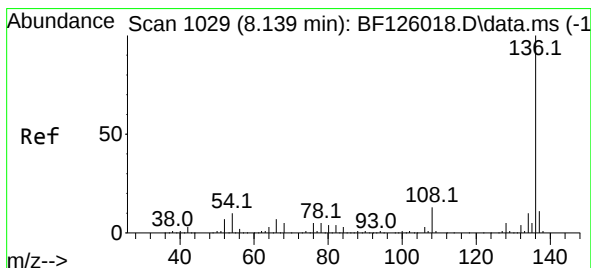
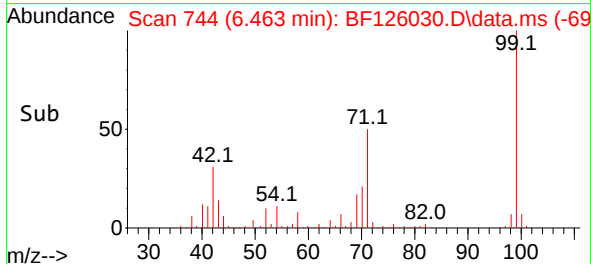
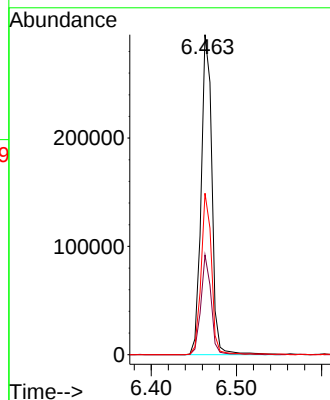
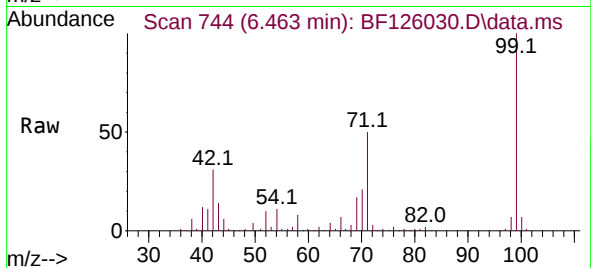




#7
Phenol-d6
Concen: 19.248 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

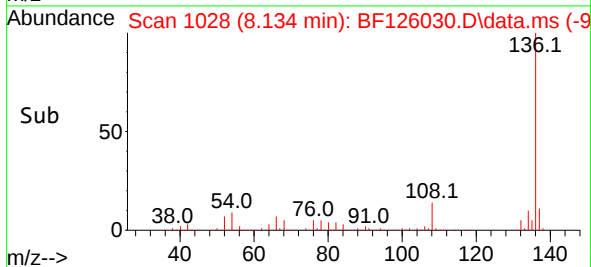
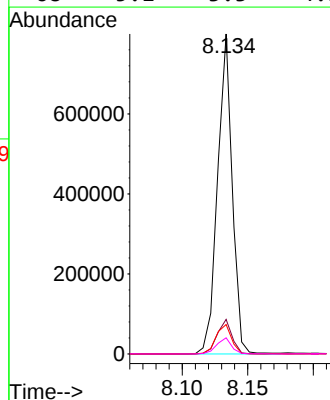
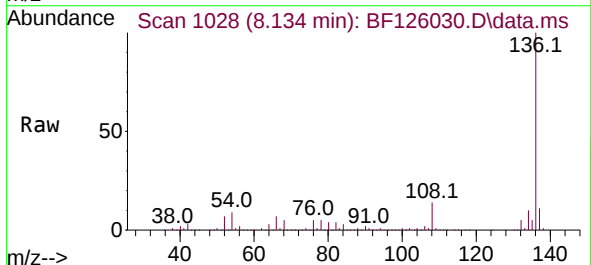
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

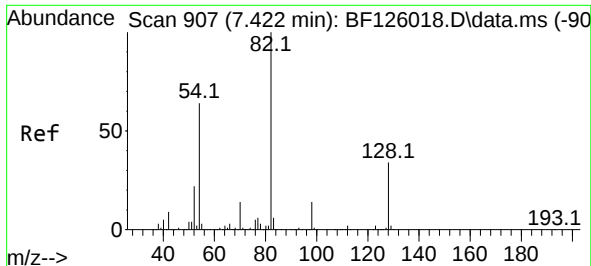
Tgt Ion: 99 Resp: 259983
Ion Ratio Lower Upper
99 100
42 31.1 23.5 35.3
71 50.5 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion: 136 Resp: 622519
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.2 6.4 9.6
68 5.1 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 14.455 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8

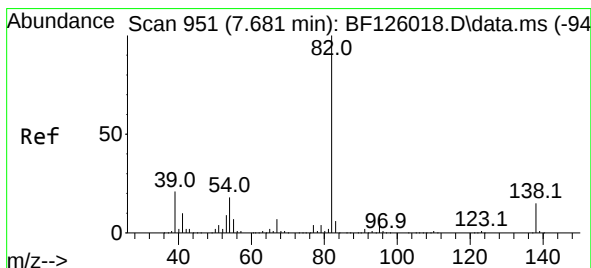
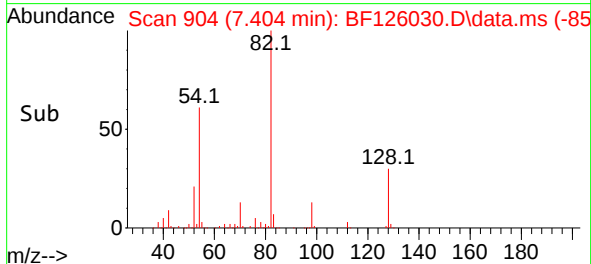
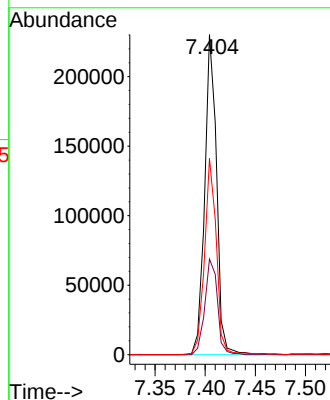
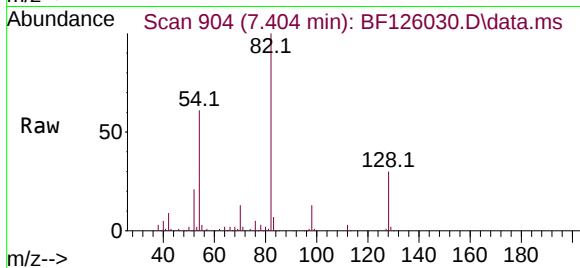
Tgt Ion: 82 Resp: 190804

Ion Ratio Lower Upper

82 100

128 29.9 40.6 60.8#

54 61.3 49.6 74.4



#25

Isophorone

Concen: 8.014 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.277 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

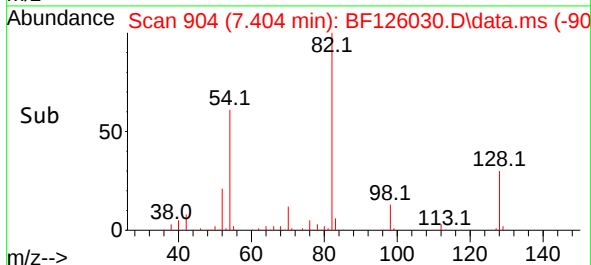
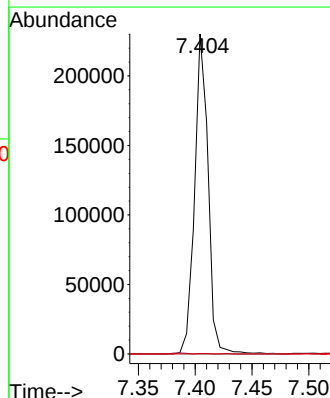
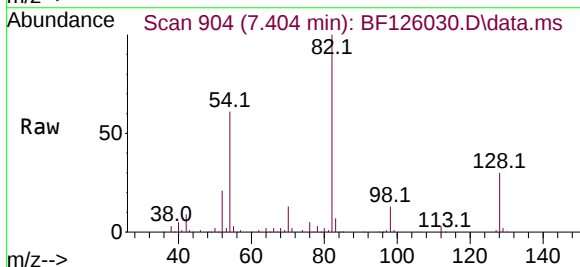
Tgt Ion: 82 Resp: 190451

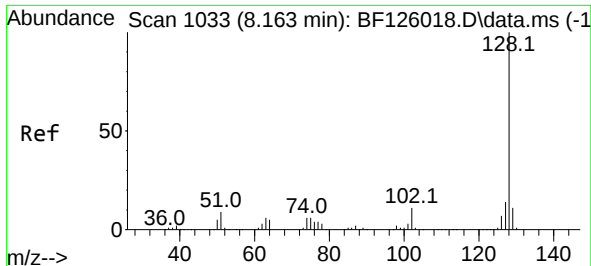
Ion Ratio Lower Upper

82 100

95 0.1 6.5 9.7#

138 0.0 18.4 27.6#

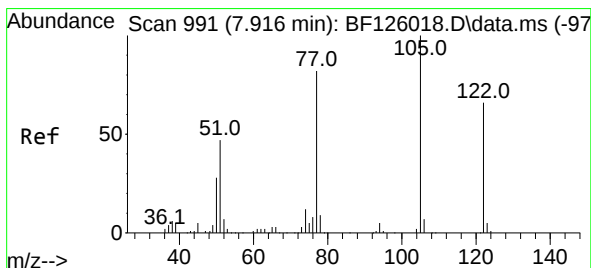
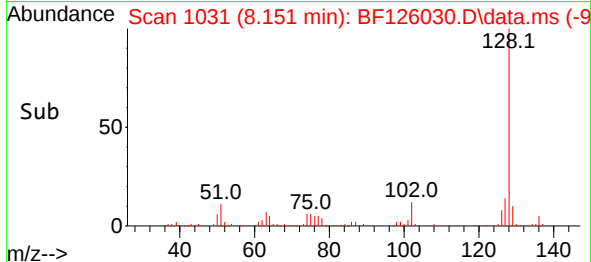
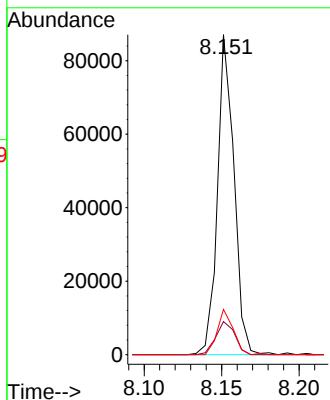
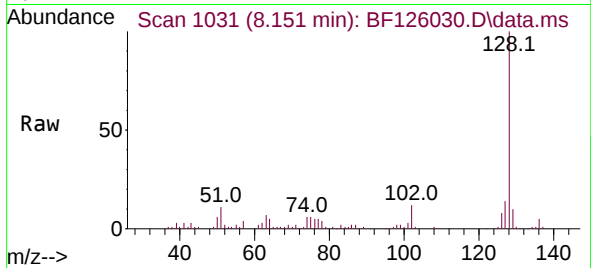




#31
Naphthalene
Concen: 2.001 ng
RT: 8.151 min Scan# 1027
Delta R.T. -0.012 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

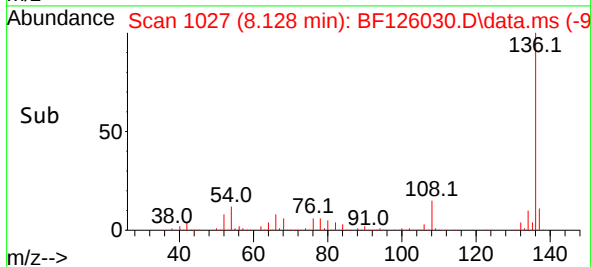
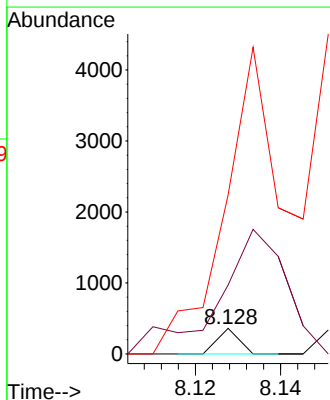
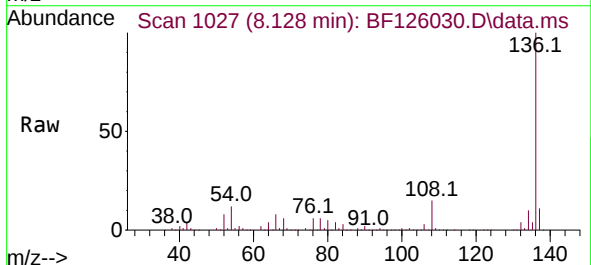
Instrument :
BNA_F
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FDR-BH-4-20211029-7.5-8

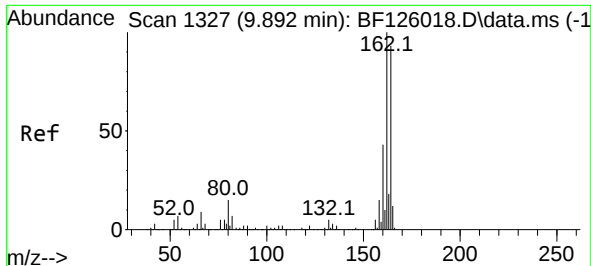
Tgt Ion:128 Resp: 64534
Ion Ratio Lower Upper
128 100
129 10.3 9.4 14.0
127 14.1 10.9 16.3



#32
Benzoic acid
Concen: 9.161 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.212 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

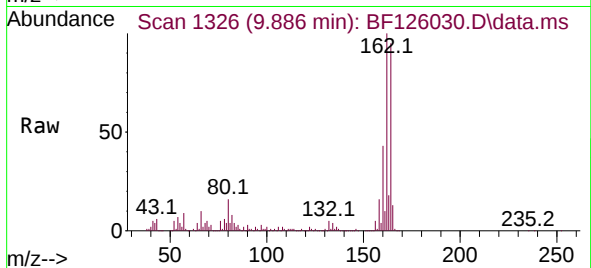
Tgt Ion:122 Resp: 127
Ion Ratio Lower Upper
122 100
105 270.0 97.6 137.6#
77 622.5 59.6 99.6#



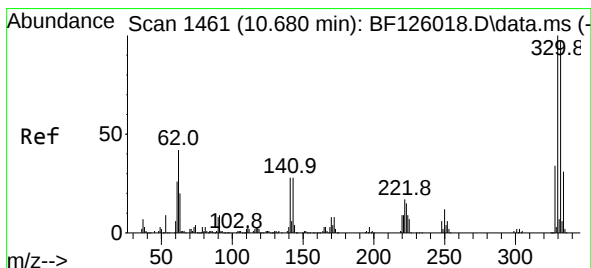
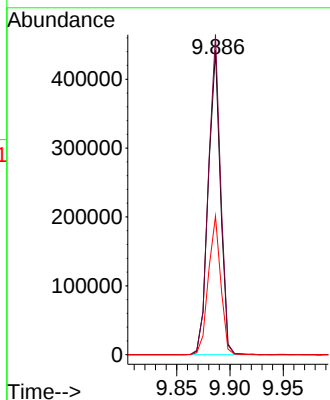
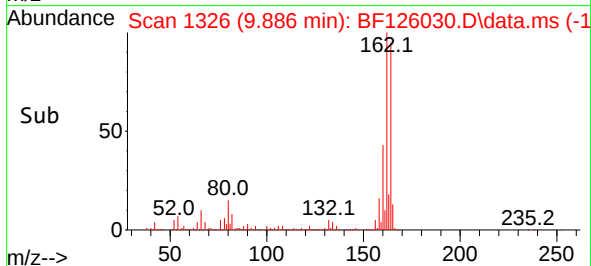


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

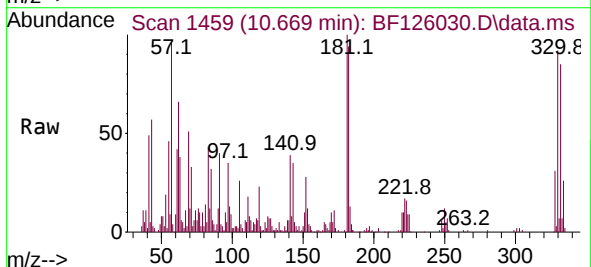
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8



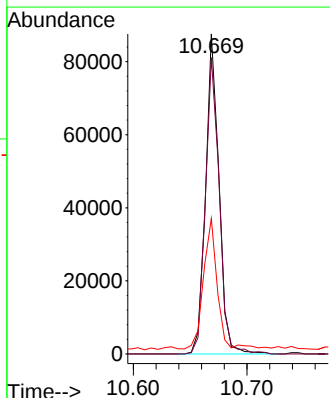
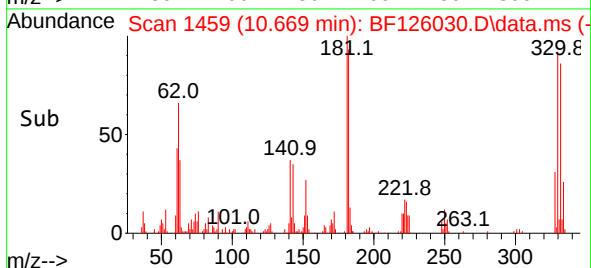
Tgt Ion:164 Resp: 352916
Ion Ratio Lower Upper
164 100
162 105.1 81.3 121.9
160 45.5 38.0 57.0

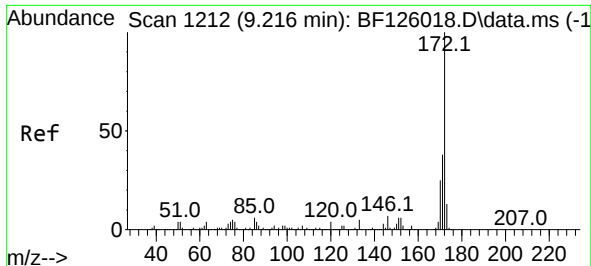


#42
2,4,6-Tribromophenol
Concen: 17.642 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56



Tgt Ion:330 Resp: 71350
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 42.1 44.6 66.8#

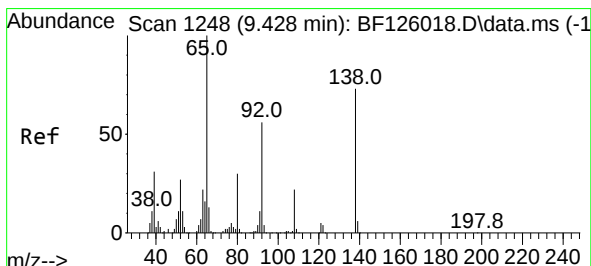
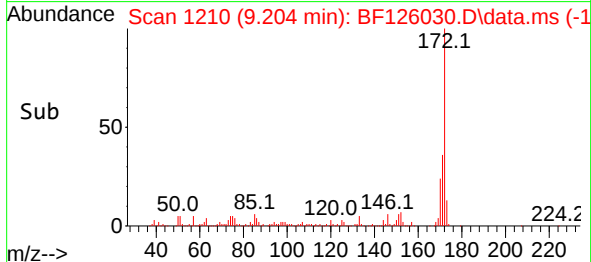
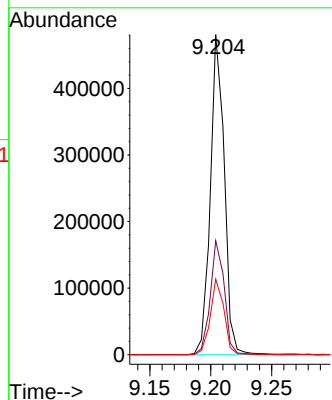
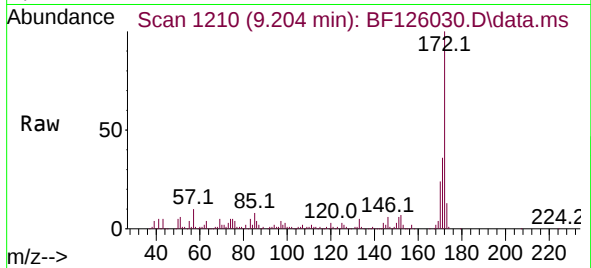




#45
2-Fluorobiphenyl
Concen: 14.658 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

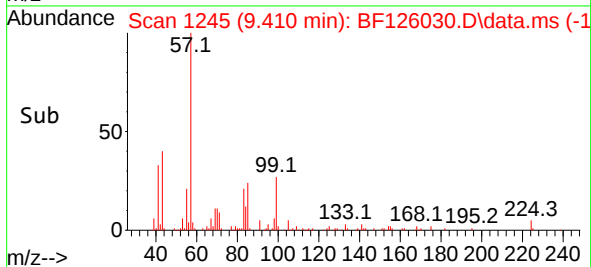
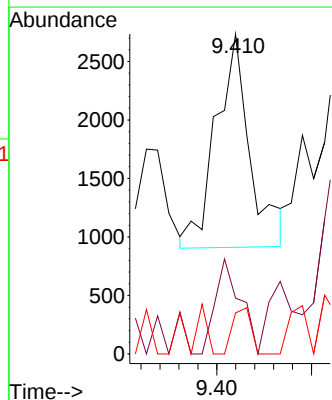
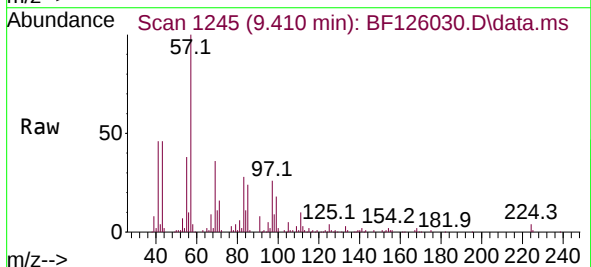
Instrument : BNA_F
ClientSampleId : FDR-BH-4-20211029-7.5-8

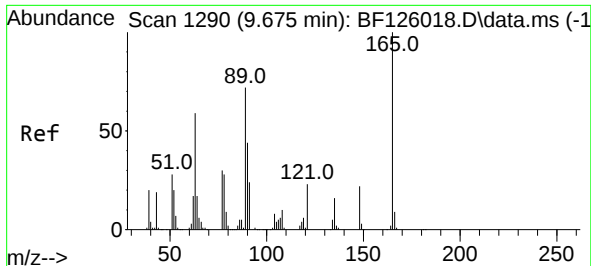
Tgt Ion:172 Resp: 382800
Ion Ratio Lower Upper
172 100
171 35.6 26.5 39.7
170 23.6 18.8 28.2



#48
2-Nitroaniline
Concen: 3.153 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.018 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion: 65 Resp: 2269
Ion Ratio Lower Upper
65 100
92 17.5 55.5 83.3#
138 12.8 93.5 140.3#

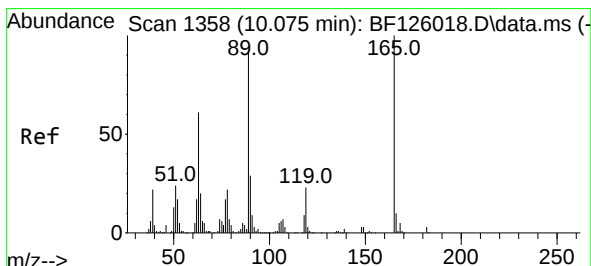
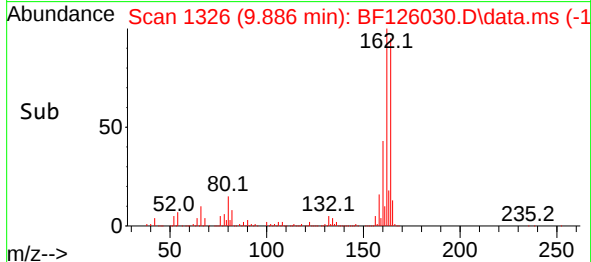
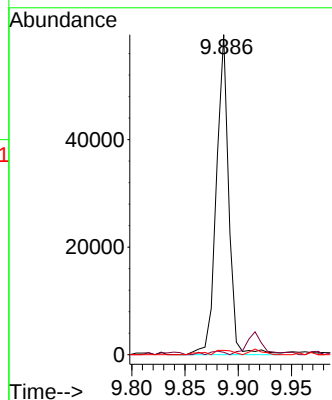
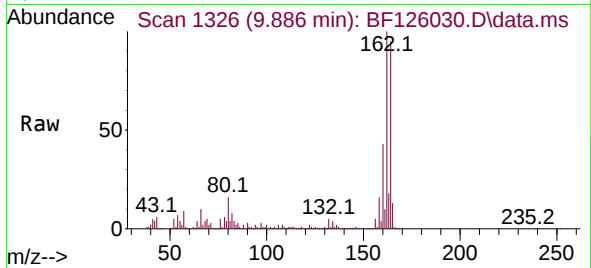




#51
2,6-Dinitrotoluene
Concen: 10.994 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

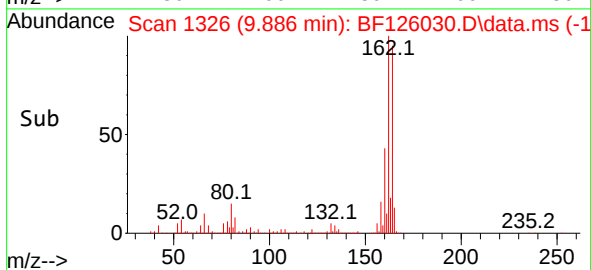
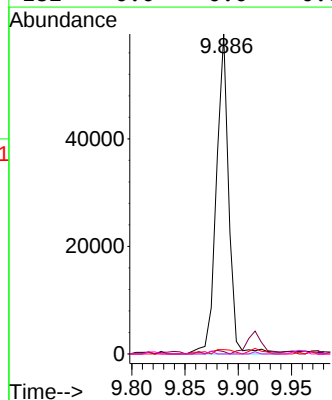
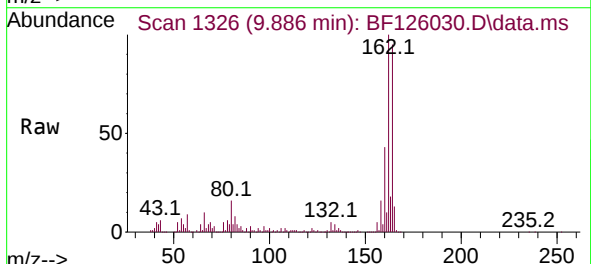
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

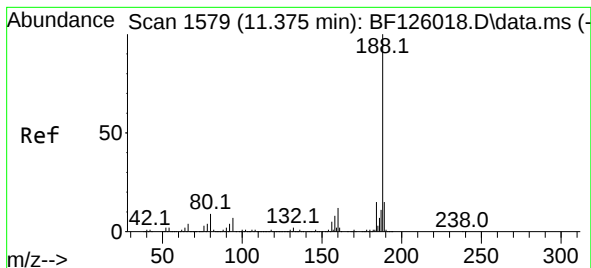
Tgt Ion:165 Resp: 48418
Ion Ratio Lower Upper
165 100
63 0.7 42.6 63.8#
89 1.3 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 10.294 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:165 Resp: 48418
Ion Ratio Lower Upper
165 100
63 0.7 40.9 61.3#
89 1.3 59.7 89.5#
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8

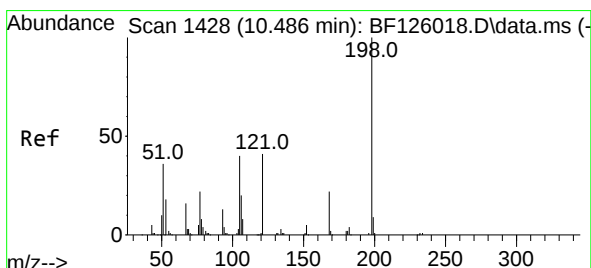
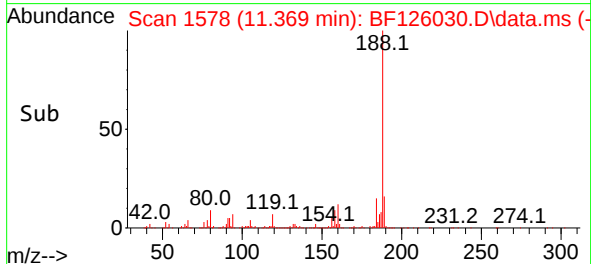
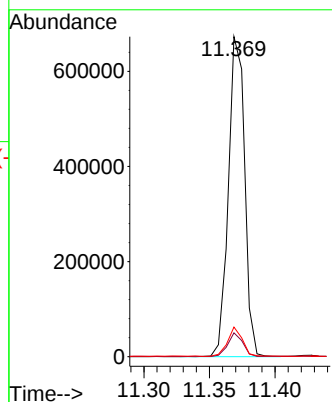
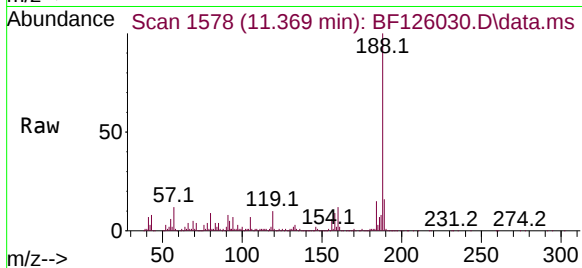
Tgt Ion:188 Resp: 580212

Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 9.2 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.352 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.183 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

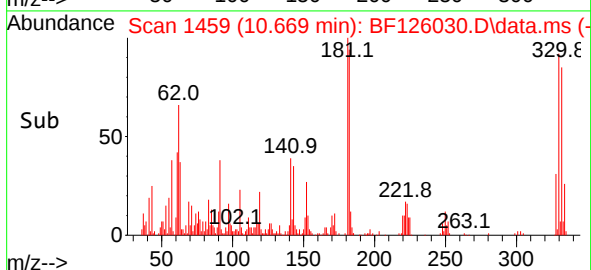
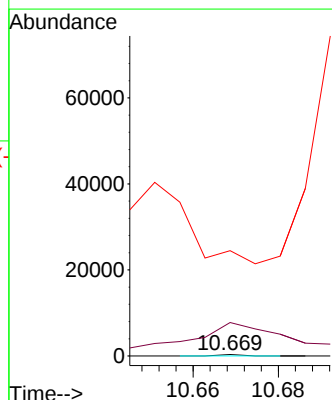
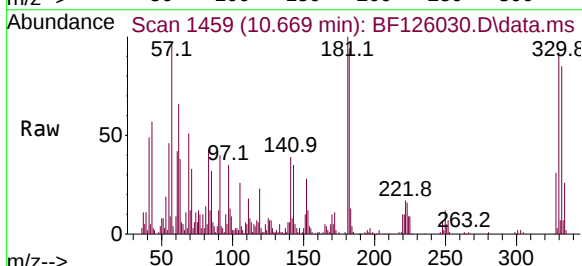
Tgt Ion:198 Resp: 118

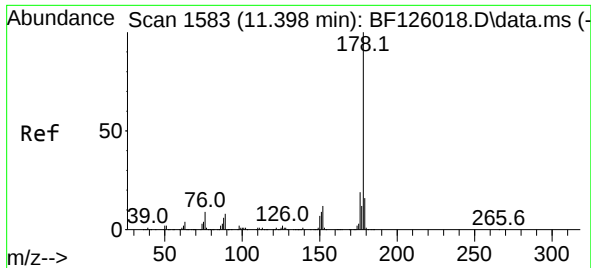
Ion Ratio Lower Upper

198 100

51 508.6 45.3 85.3#

105 1599.5 30.6 70.6#

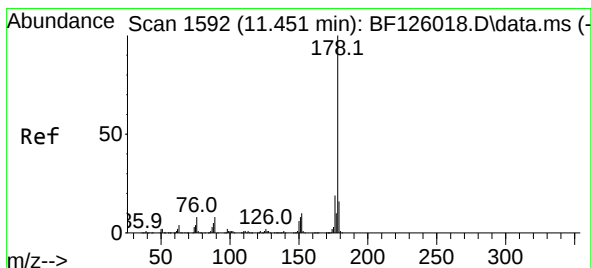
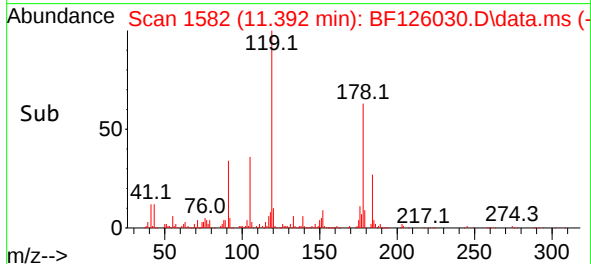
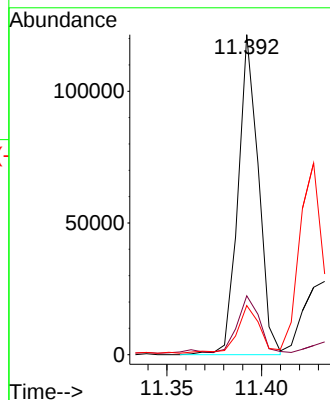
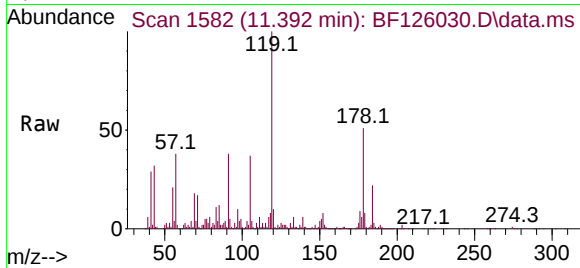




#71
Phenanthrene
Concen: 2.878 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

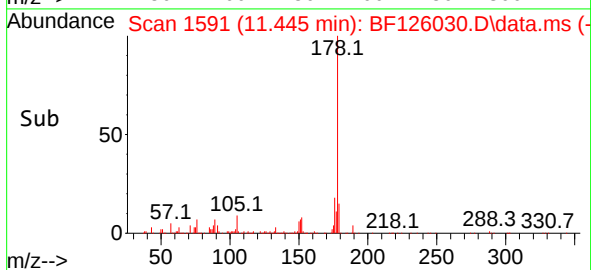
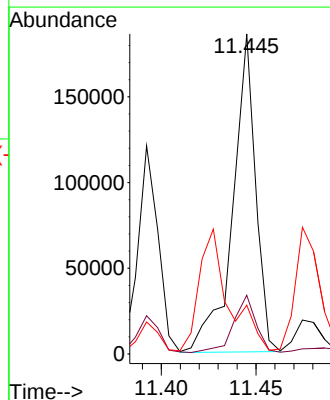
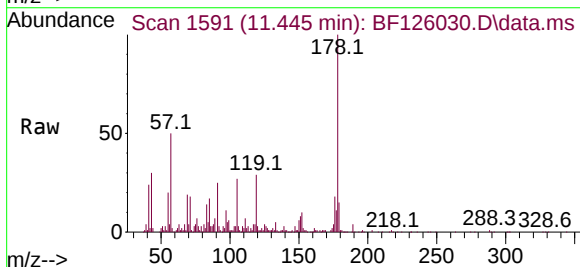
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

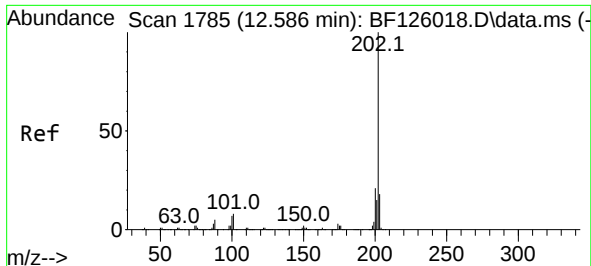
Tgt Ion:178 Resp: 90565
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.3 11.5 17.3



#72
Anthracene
Concen: 4.959 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:178 Resp: 155767
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 15.3 12.2 18.4

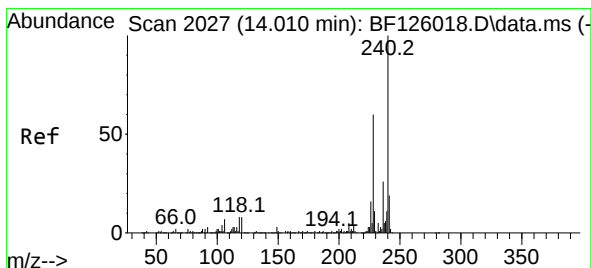
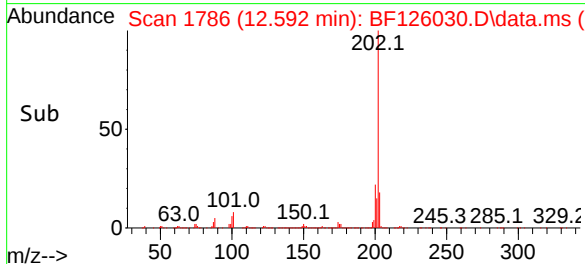
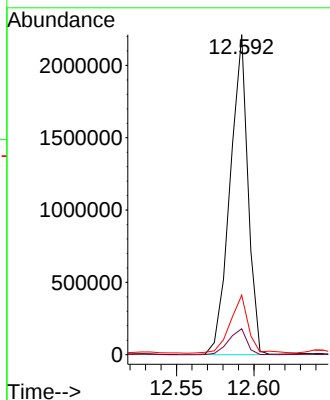
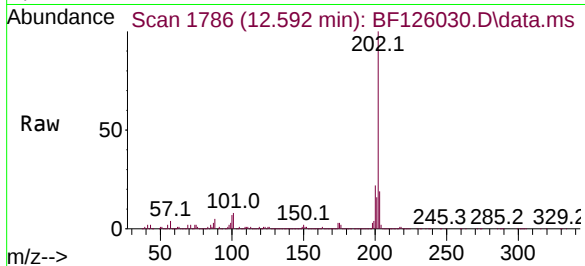




#75
Fluoranthene
Concen: 50.651 ng
RT: 12.592 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

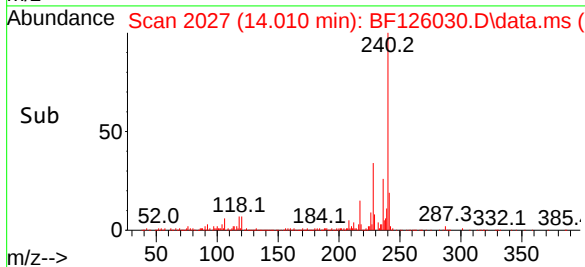
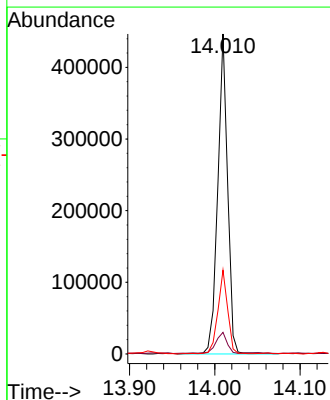
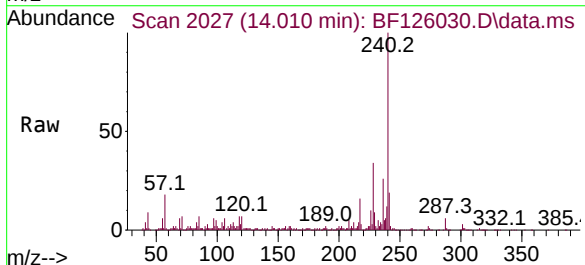
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

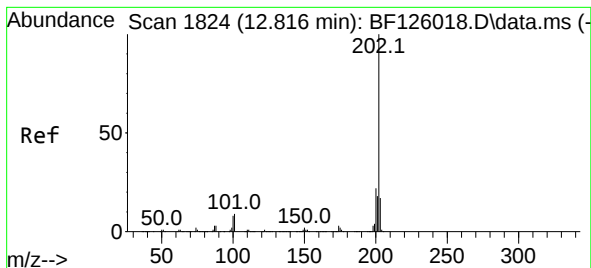
Tgt Ion:202 Resp: 1774733
Ion Ratio Lower Upper
202 100
101 8.1 0.0 30.7
203 18.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:240 Resp: 358424
Ion Ratio Lower Upper
240 100
120 6.8 10.8 16.2#
236 26.2 21.6 32.4





#78

Pyrene

Concen: 46.393 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8

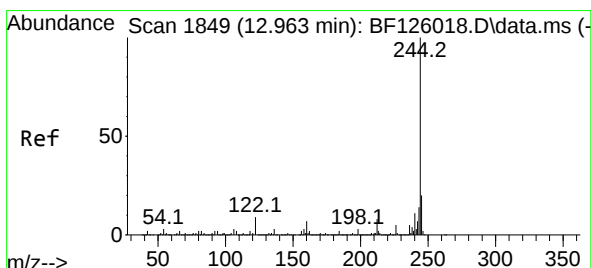
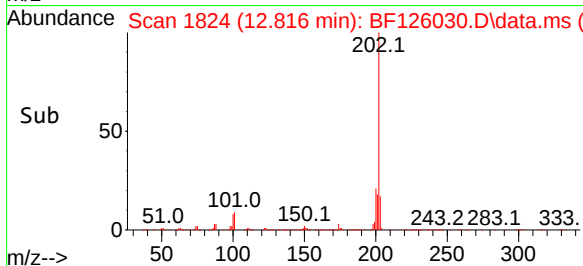
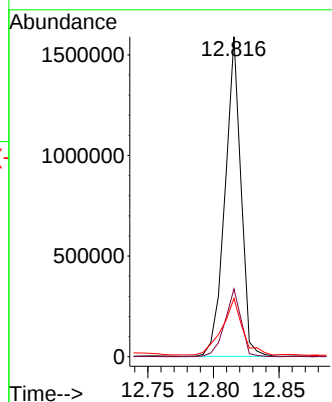
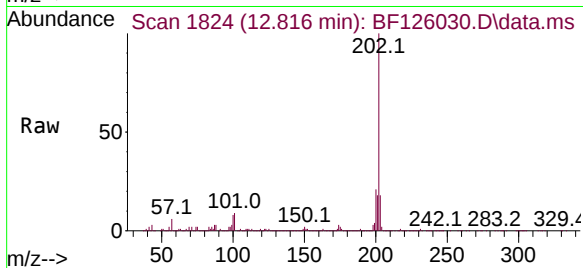
Tgt Ion:202 Resp: 1333513

Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 18.2 13.4 20.0



#79

Terphenyl-d14

Concen: 13.995 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

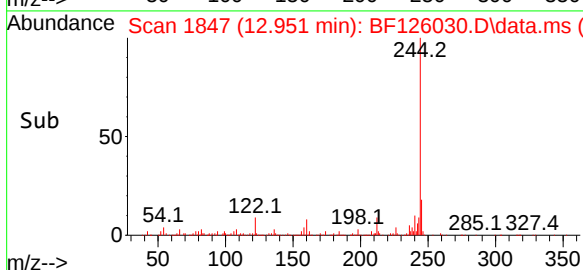
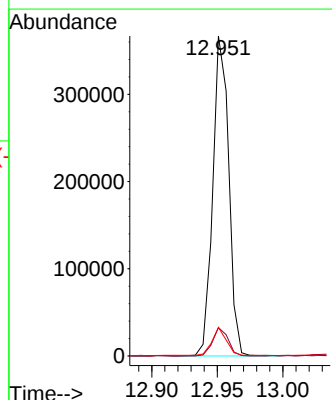
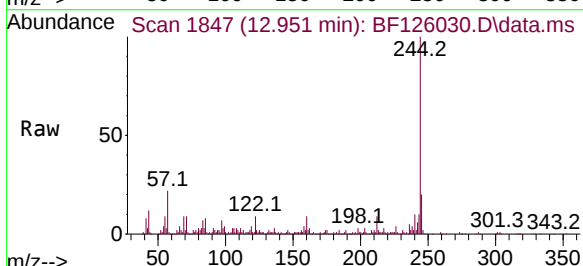
Tgt Ion:244 Resp: 311068

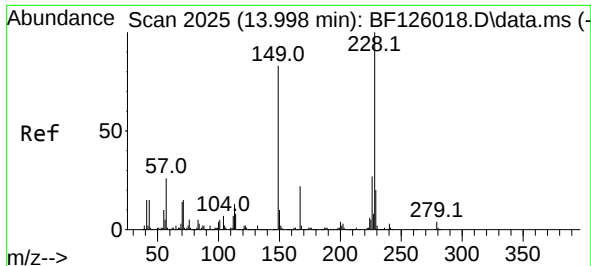
Ion Ratio Lower Upper

244 100

212 8.9 5.9 8.9

122 8.9 9.0 13.4#

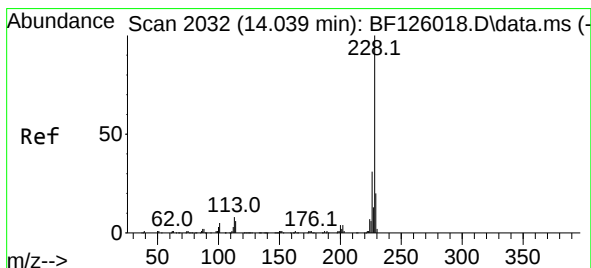
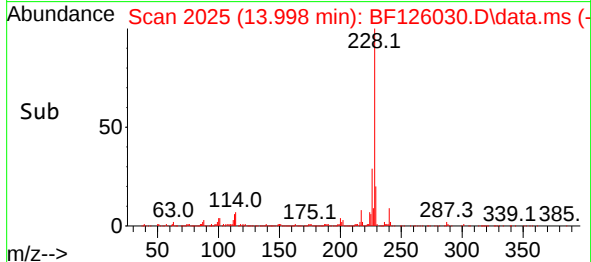
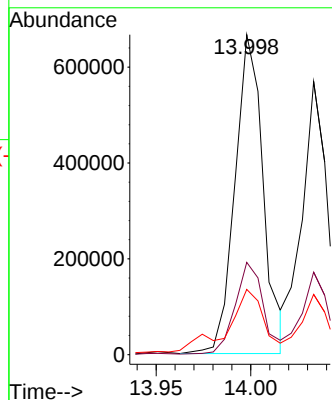
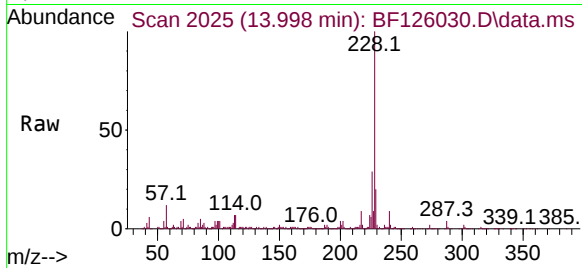




#81
Benzo(a)anthracene
Concen: 27.975 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

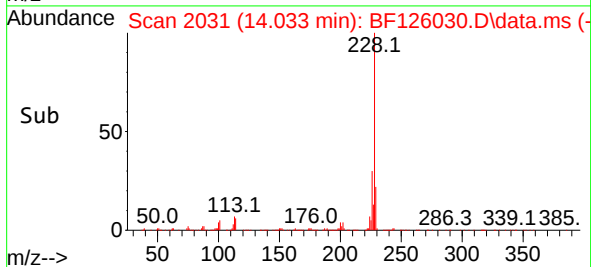
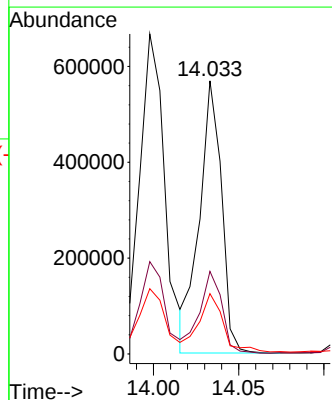
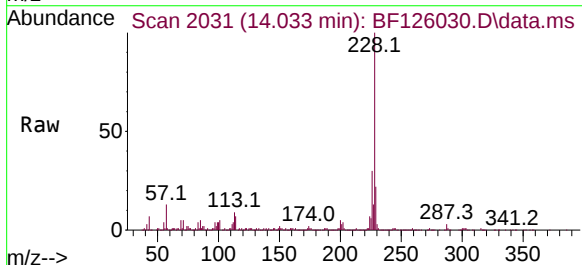
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

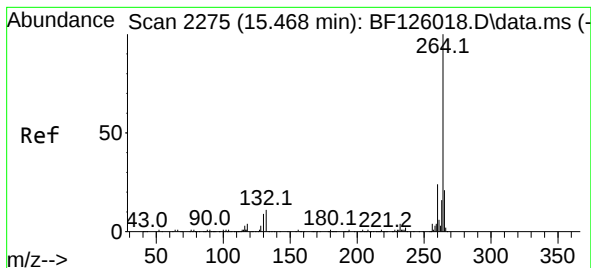
Tgt Ion:228 Resp: 688839
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 20.4 15.6 23.4



#83
Chrysene
Concen: 22.337 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:228 Resp: 511777
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8

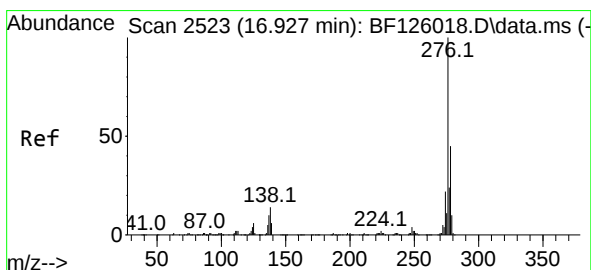
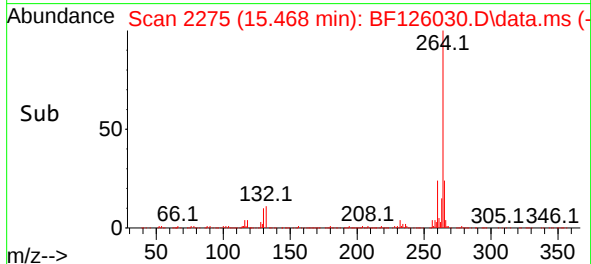
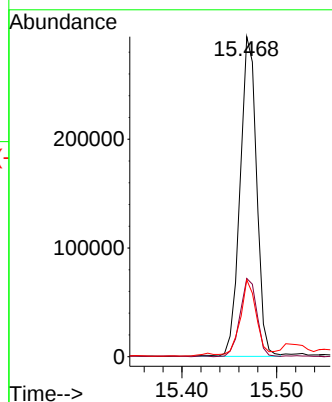
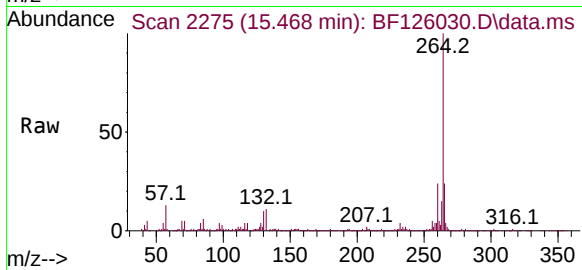
Tgt Ion:264 Resp: 356491

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 24.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.431 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

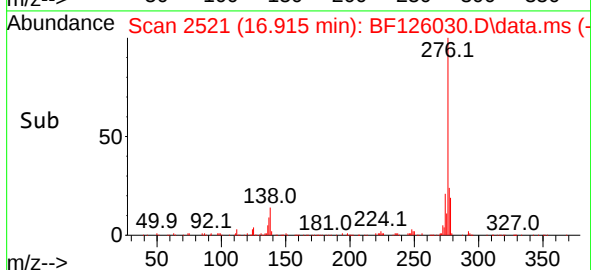
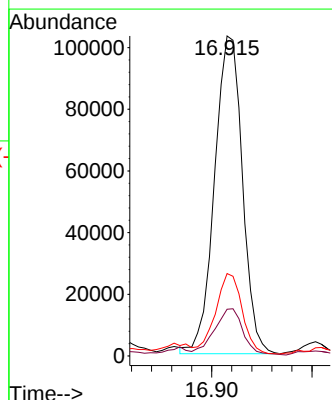
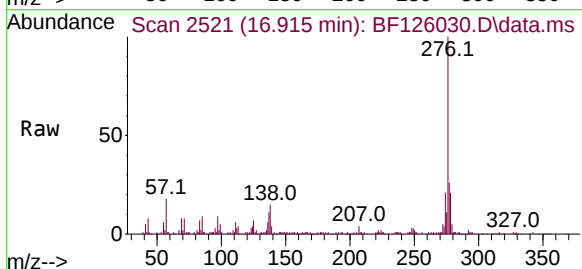
Tgt Ion:276 Resp: 199003

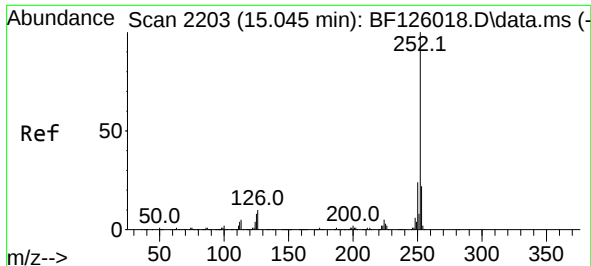
Ion Ratio Lower Upper

276 100

138 15.0 24.1 36.1#

277 24.2 18.8 28.2

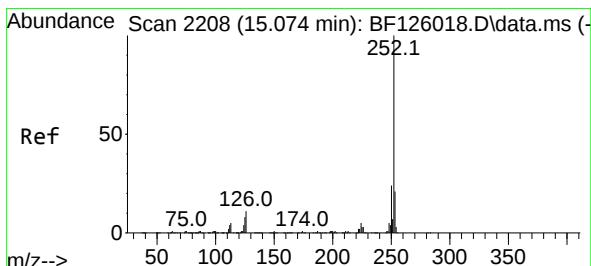
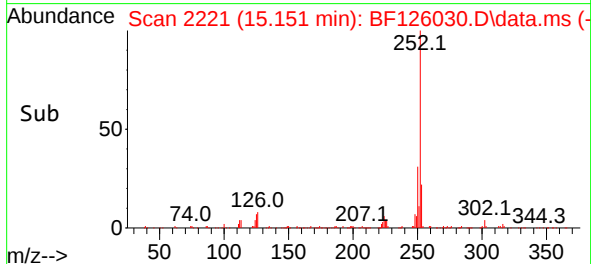
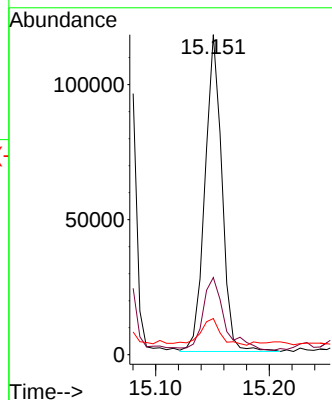
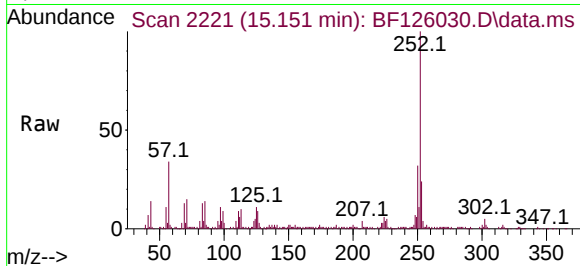




#88
Benzo(b)fluoranthene
Concen: 5.229 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.106 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

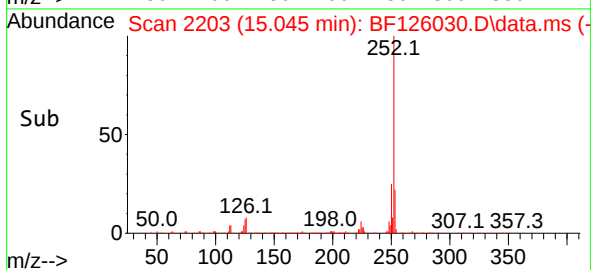
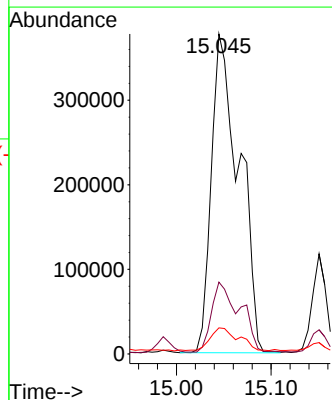
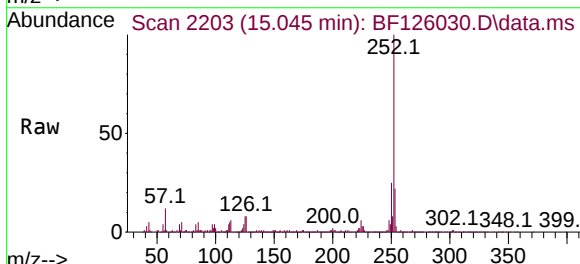
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8

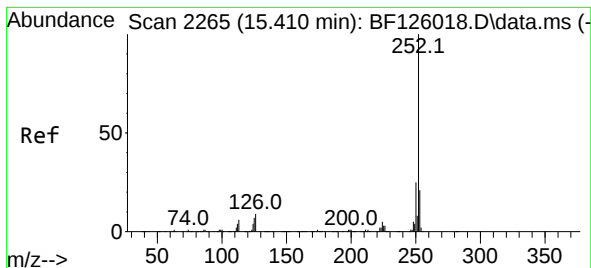
Tgt Ion:252 Resp: 121258
Ion Ratio Lower Upper
252 100
253 24.1 16.8 25.2
125 11.3 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 34.266 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.029 min
Lab File: BF126030.D
Acq: 3 Nov 2021 20:56

Tgt Ion:252 Resp: 770762
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 14.876 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8

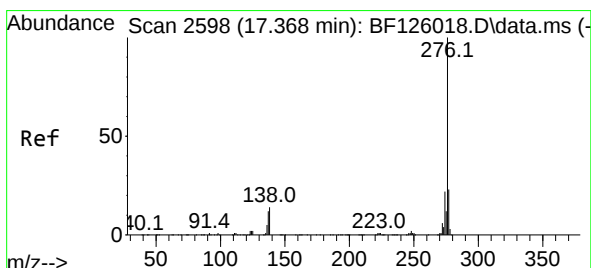
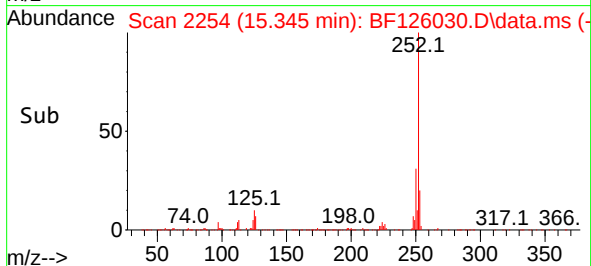
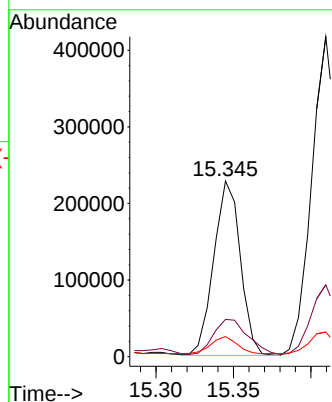
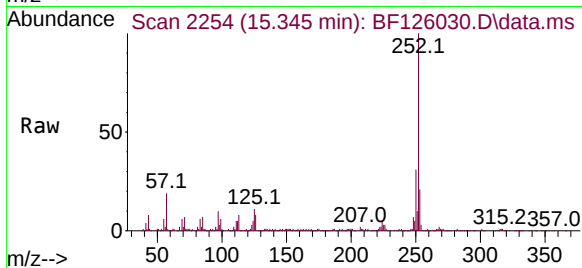
Tgt Ion:252 Resp: 271753

Ion Ratio Lower Upper

252 100

253 21.2 18.4 27.6

125 11.5 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 9.708 ng

RT: 17.356 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF126030.D

Acq: 3 Nov 2021 20:56

Tgt Ion:276 Resp: 161365

Ion Ratio Lower Upper

276 100

277 23.6 22.0 33.0

138 16.0 22.2 33.4#

