

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126026.D
 Acq On : 3 Nov 2021 18:48
 Operator : JU/CG
 Sample : M4427-02 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-5-20211029-6.5-7

Quant Time: Nov 04 10:10:12 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)

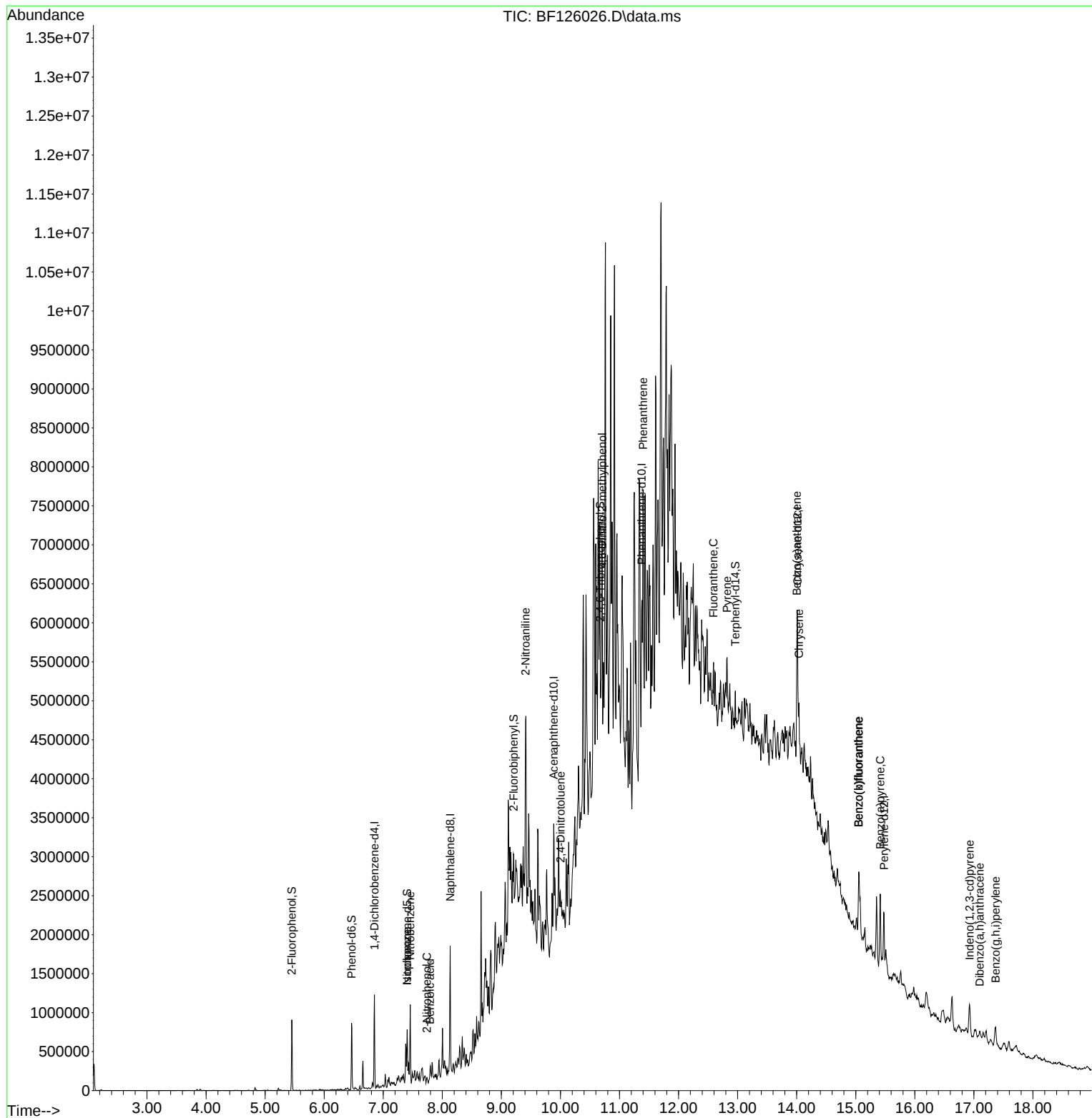
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	146374	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	517969	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	271556	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	443861	20.000	ng	0.00
76) Chrysene-d12	14.015	240	342409	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	351204	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	171959	20.174	ng	-0.01
7) Phenol-d6	6.463	99	228245	18.996	ng	-0.02
23) Nitrobenzene-d5	7.404	82	163253	14.864	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	55732	17.908	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	273871	13.629	ng	0.00
79) Terphenyl-d14	12.963	244	236635	11.144	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	953	Below Cal	#	1
24) Nitrobenzene	7.457	77	27874	2.562	ng	# 30
25) Isophorone	7.404	82	160774	8.130	ng	# 59
26) 2-Nitrophenol	7.739	139	142	4.662	ng	# 1
32) Benzoic acid	7.792	122	170	9.173	ng	# 1
48) 2-Nitroaniline	9.410	65	13107	5.131	ng	# 20
57) 2,4-Dinitrotoluene	10.004	165	2142	3.575	ng	# 40
65) 4,6-Dinitro-2-methylph...	10.710	198	257	8.416	ng	# 1
71) Phenanthrene	11.398	178	94055	3.907	ng	# 89
75) Fluoranthene	12.592	202	277927	10.369	ng	72
78) Pyrene	12.821	202	357251	13.010	ng	# 83
81) Benzo(a)anthracene	14.004	228	339154	14.418	ng	94
83) Chrysene	14.039	228	267342	12.214	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	256956	12.361	ng	# 82
88) Benzo(b)fluoranthene	15.051	252	615677	26.951	ng	# 94
89) Benzo(k)fluoranthene	15.051	252	615677	27.783	ng	# 94
90) Benzo(a)pyrene	15.415	252	404450	22.473	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	68960	4.039	ng	95
92) Benzo(g,h,i)perylene	17.368	276	223101	13.625	ng	# 80

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126026.D
Acq On : 3 Nov 2021 18:48
Operator : JU/CG
Sample : M4427-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

Quant Time: Nov 04 10:10:12 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

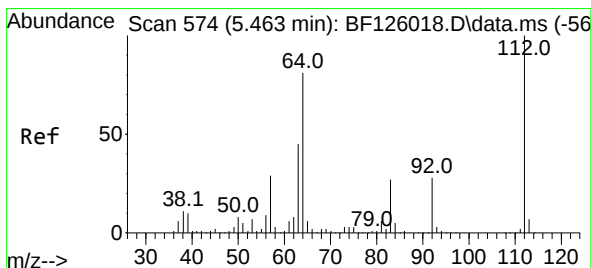
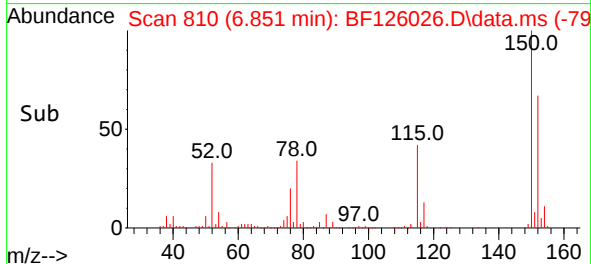
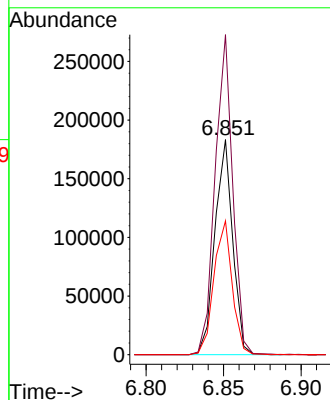
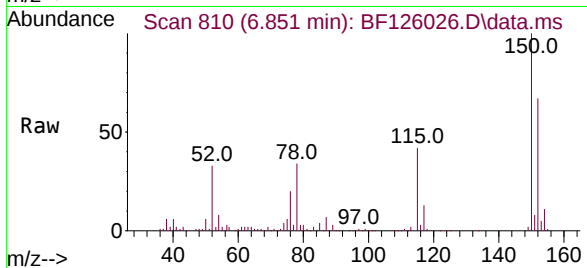




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

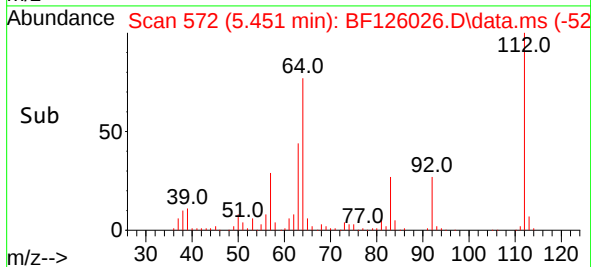
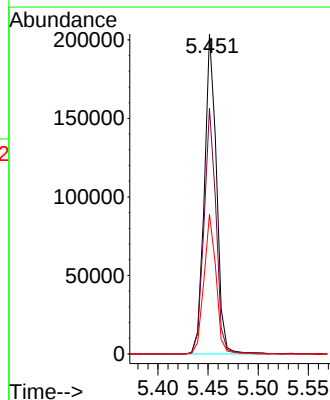
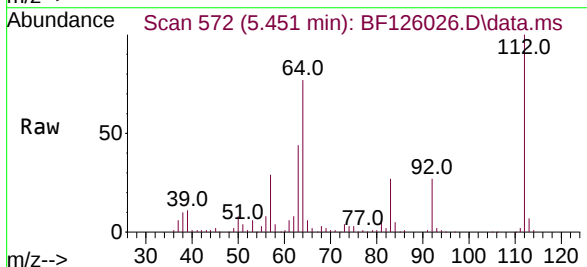
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

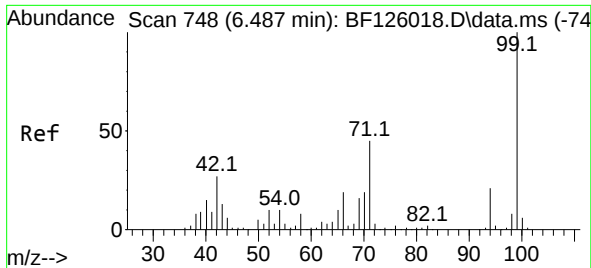
Tgt Ion:152 Resp: 146374
Ion Ratio Lower Upper
152 100
150 148.8 117.6 176.4
115 62.2 47.1 70.7



#5
2-Fluorophenol
Concen: 20.174 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion:112 Resp: 171959
Ion Ratio Lower Upper
112 100
64 76.7 44.2 66.2#
63 43.7 26.2 39.2#

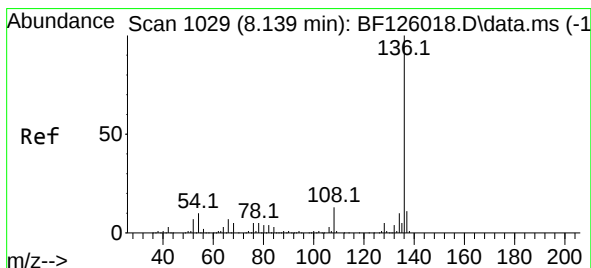
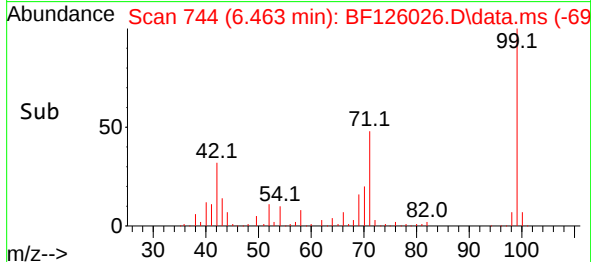
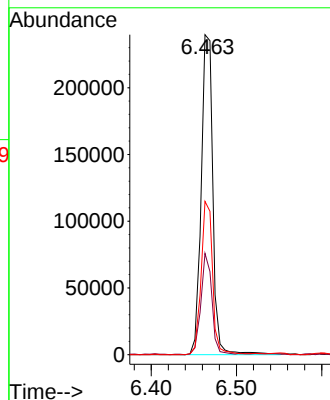
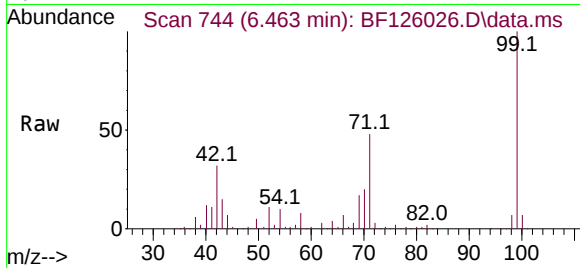




#7
Phenol-d6
Concen: 18.996 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

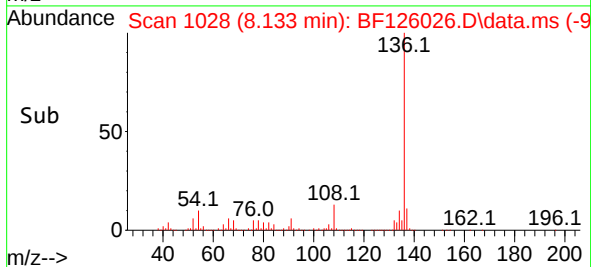
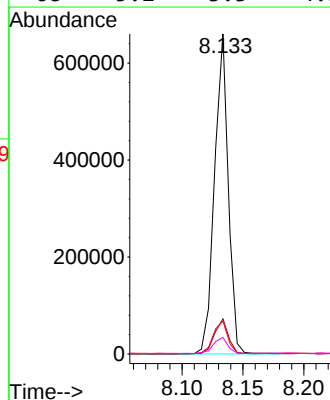
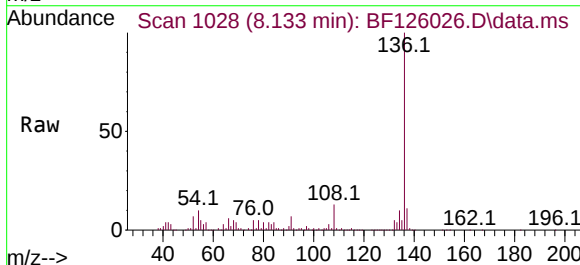
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

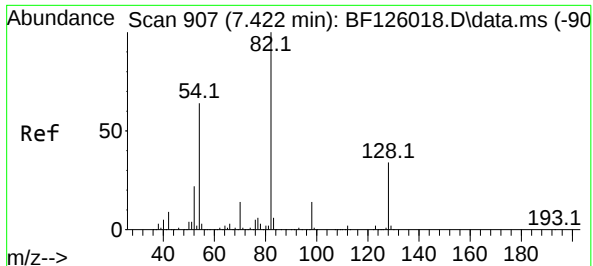
Tgt Ion: 99 Resp: 228245
Ion Ratio Lower Upper
99 100
42 31.6 23.5 35.3
71 47.9 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion: 136 Resp: 517969
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 10.3 6.4 9.6#
68 5.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 14.864 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

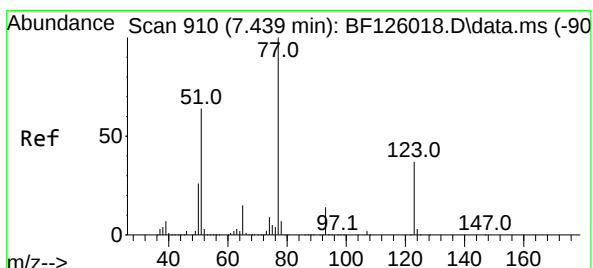
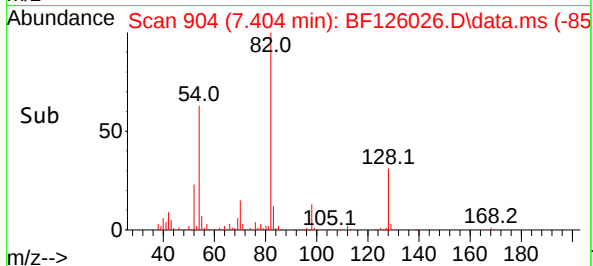
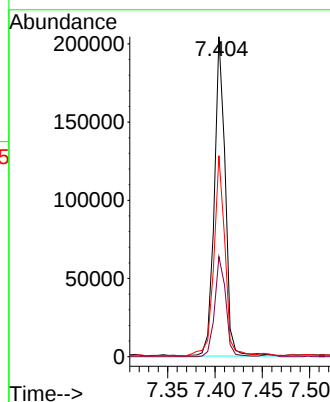
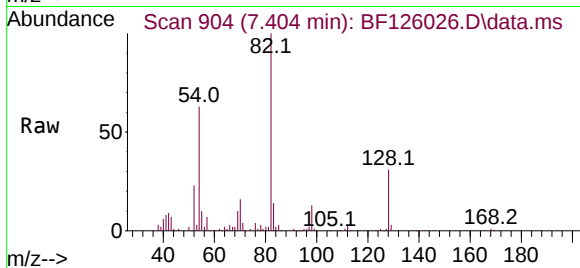
Tgt Ion: 82 Resp: 163253

Ion Ratio Lower Upper

82 100

128 31.2 40.6 60.8#

54 62.8 49.6 74.4



#24

Nitrobenzene

Concen: 2.562 ng

RT: 7.457 min Scan# 913

Delta R.T. 0.018 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

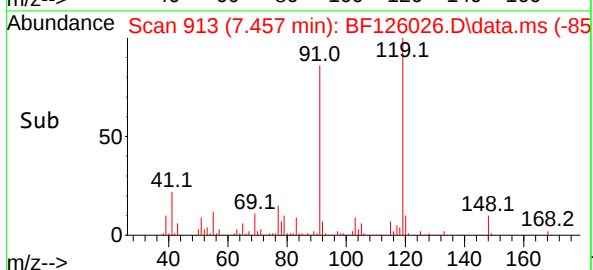
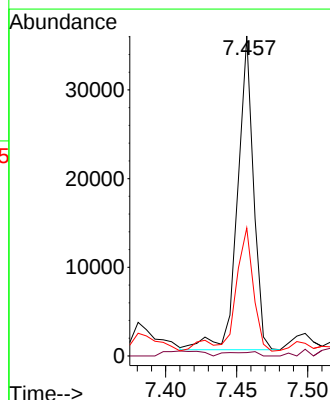
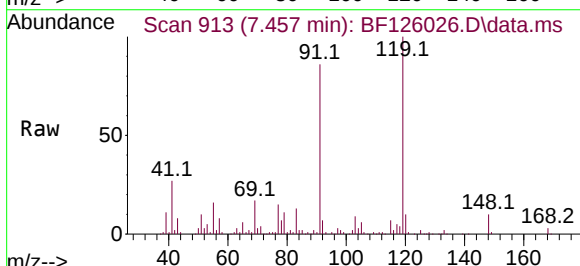
Tgt Ion: 77 Resp: 27874

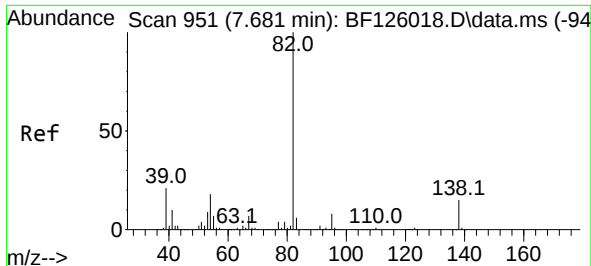
Ion Ratio Lower Upper

77 100

123 1.1 42.3 63.5#

65 40.0 12.4 18.6#

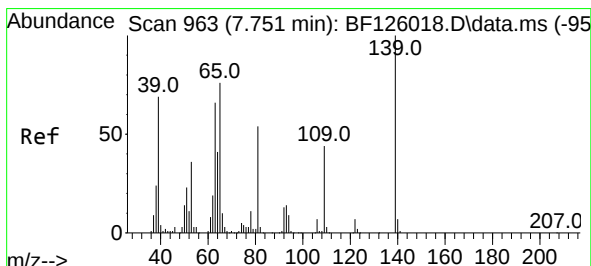
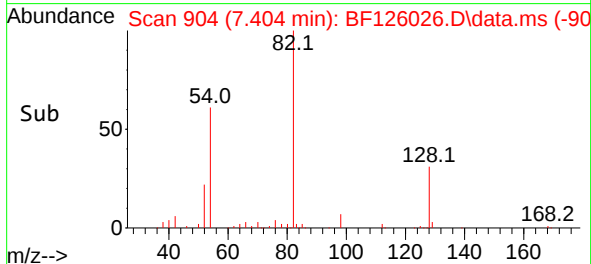
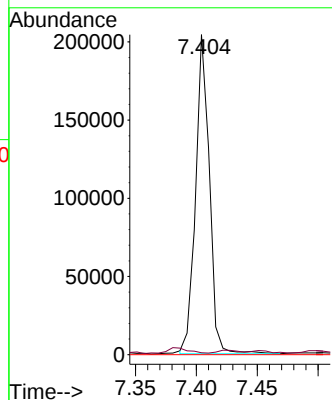
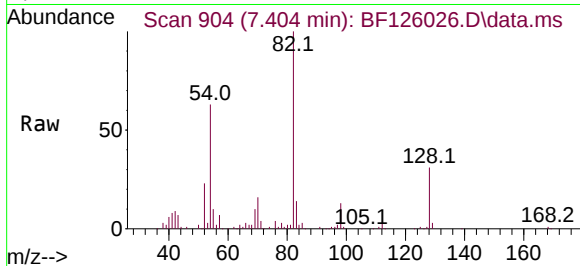




#25
Isophorone
Concen: 8.130 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.277 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

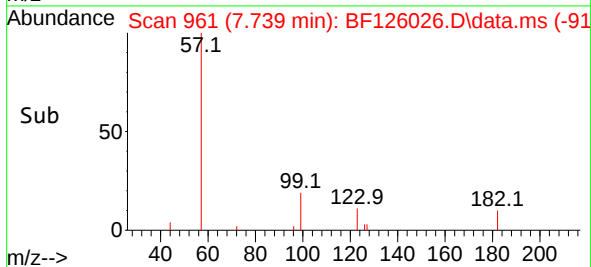
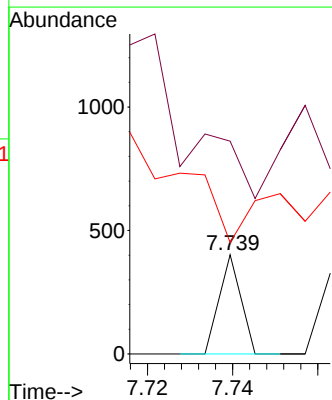
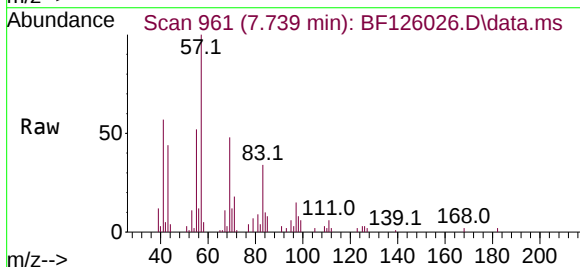
Instrument : BNA_F
ClientSampleId : FDR-BH-5-20211029-6.5-7

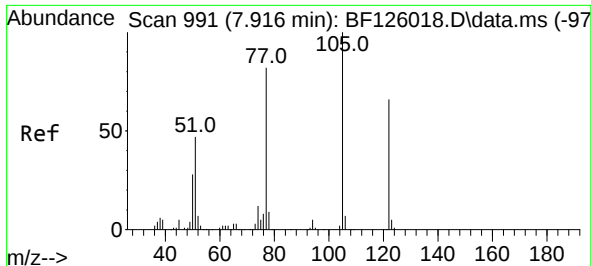
Tgt Ion: 82 Resp: 160774
Ion Ratio Lower Upper
82 100
95 0.6 6.5 9.7#
138 0.0 18.4 27.6#



#26
2-Nitrophenol
Concen: 4.662 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.012 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion:139 Resp: 142
Ion Ratio Lower Upper
139 100
109 214.4 26.0 39.0#
65 112.2 31.0 46.4#

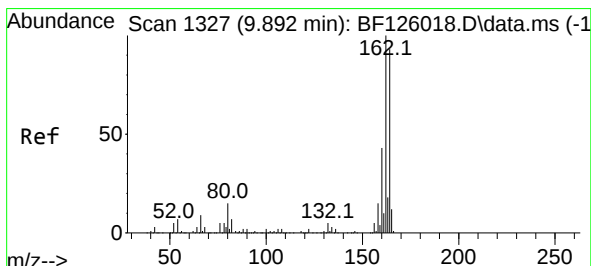
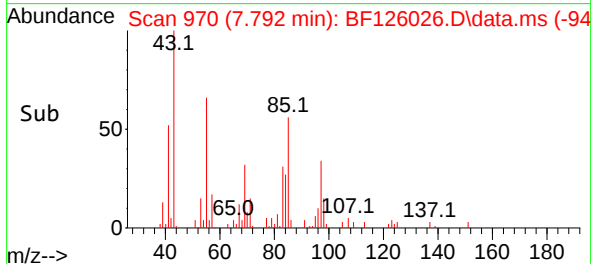
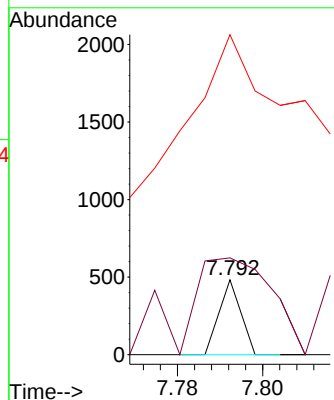
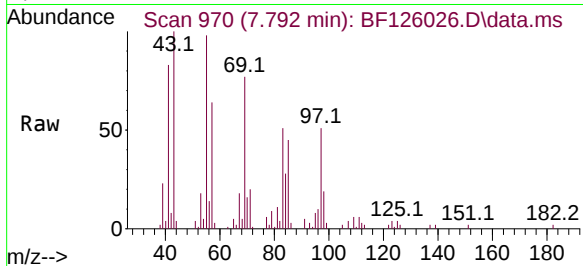




#32
Benzoic acid
Concen: 9.173 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.124 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

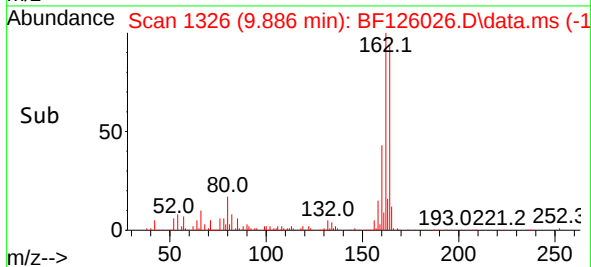
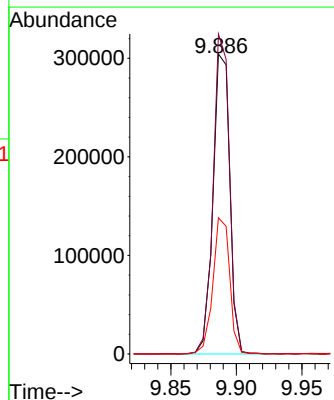
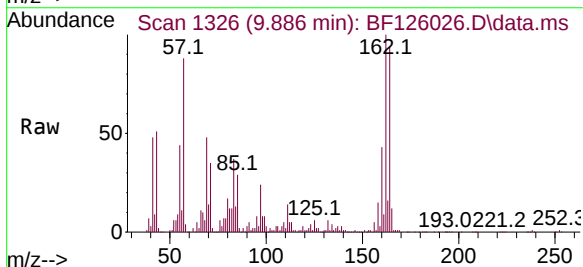
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

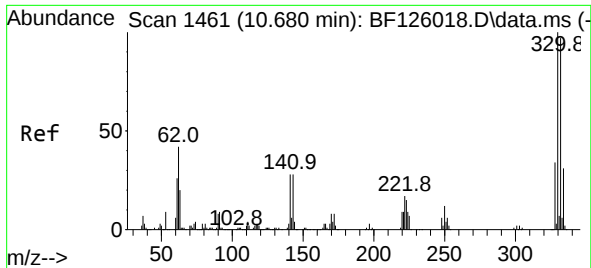
Tgt Ion:122 Resp: 170
Ion Ratio Lower Upper
122 100
105 129.2 97.6 137.6
77 427.1 59.6 99.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion:164 Resp: 271556
Ion Ratio Lower Upper
164 100
162 106.7 81.3 121.9
160 45.4 38.0 57.0

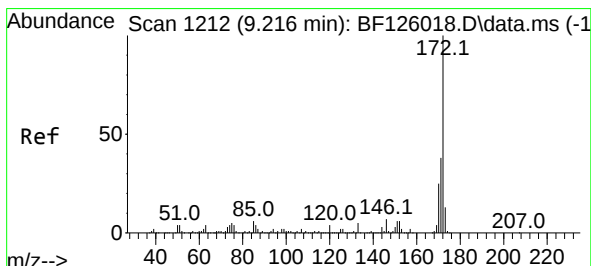
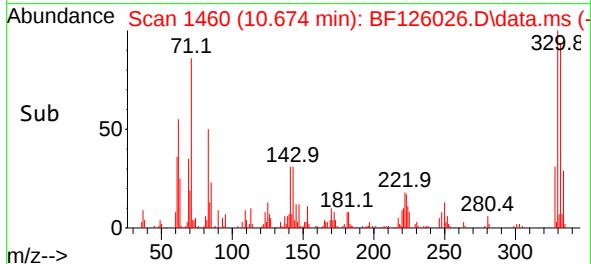
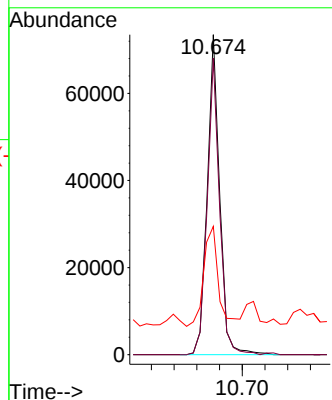
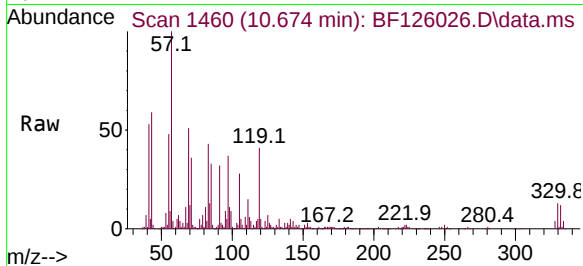




#42
2,4,6-Tribromophenol
Concen: 17.908 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

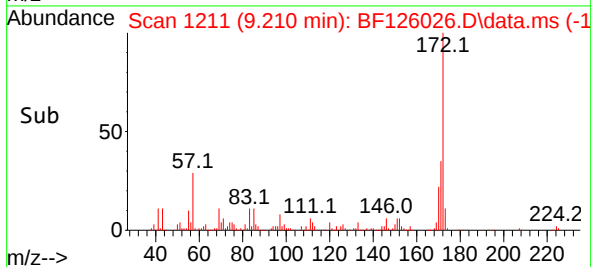
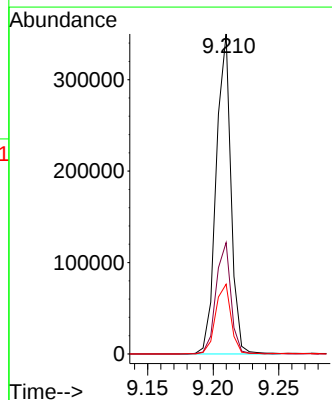
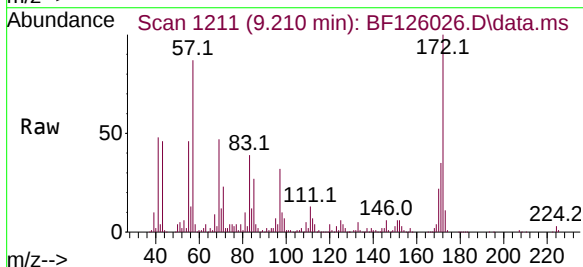
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

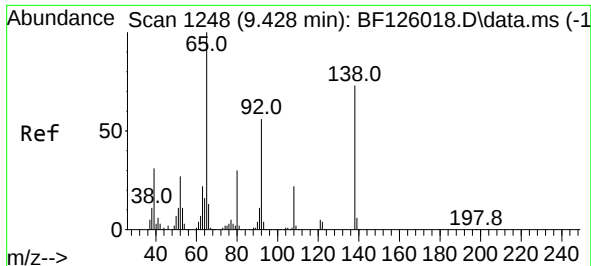
Tgt Ion:330 Resp: 55732
Ion Ratio Lower Upper
330 100
332 92.3 76.2 114.4
141 37.6 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 13.629 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion:172 Resp: 273871
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 21.8 18.8 28.2

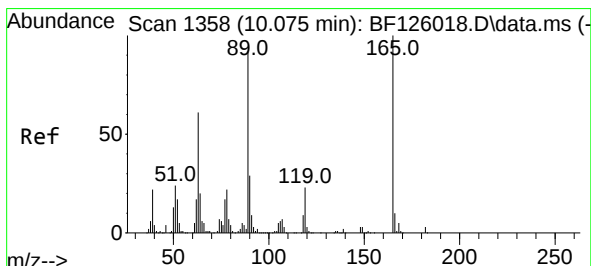
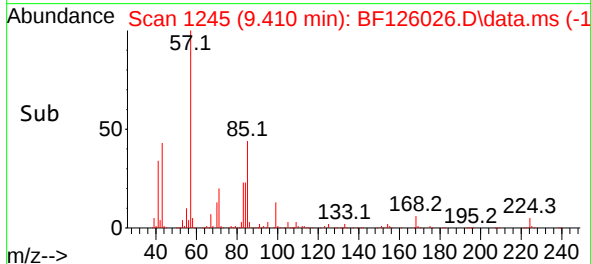
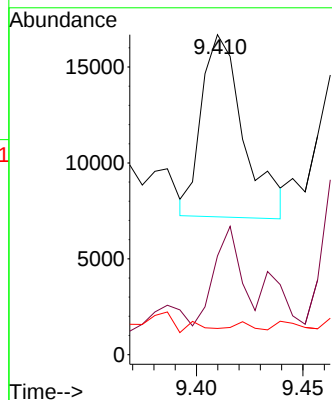
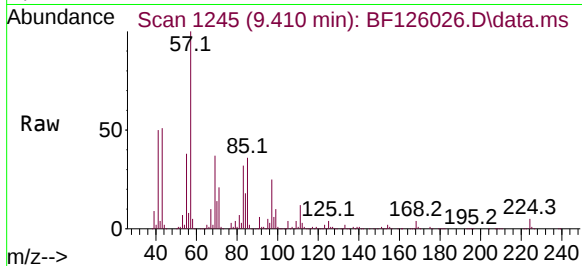




#48
2-Nitroaniline
Concen: 5.131 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

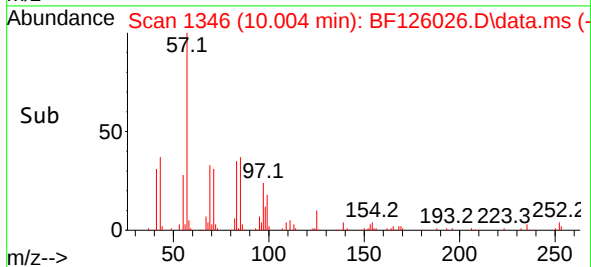
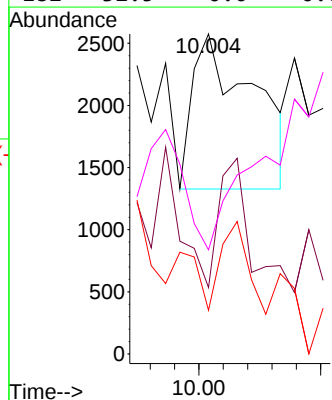
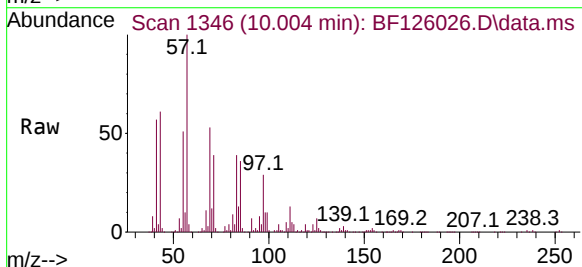
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

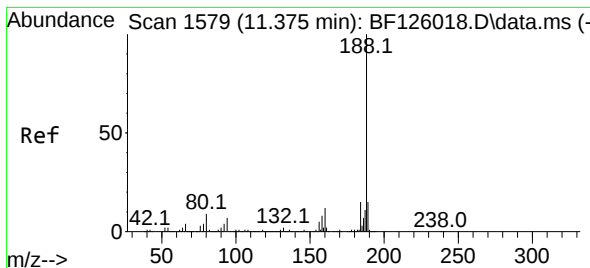
Tgt Ion: 65 Resp: 13107
Ion Ratio Lower Upper
65 100
92 30.9 55.5 83.3#
138 8.2 93.5 140.3#



#57
2,4-Dinitrotoluene
Concen: 3.575 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.071 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion: 165 Resp: 2142
Ion Ratio Lower Upper
165 100
63 20.8 40.9 61.3#
89 13.7 59.7 89.5#
182 32.5 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: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

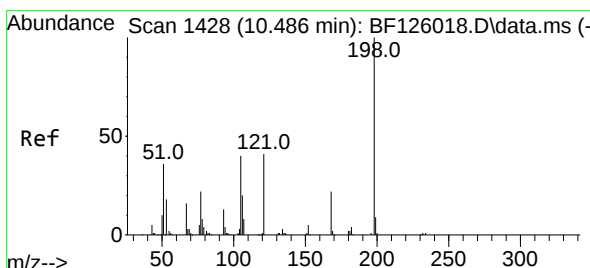
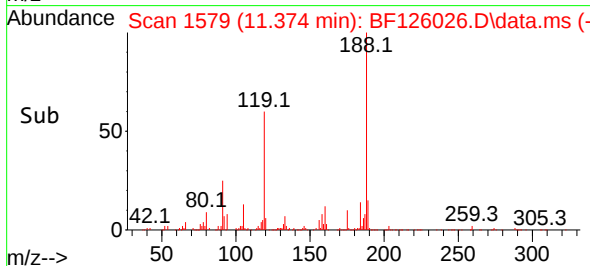
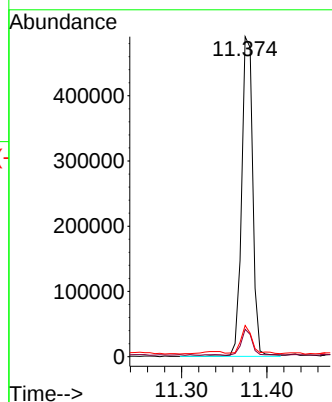
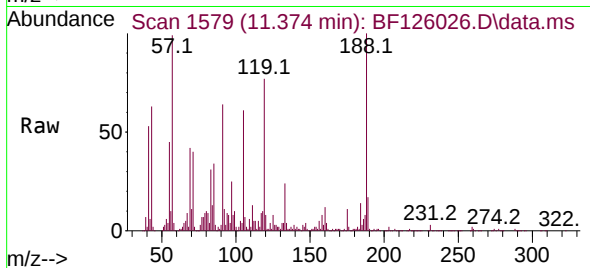
Tgt Ion:188 Resp: 443861

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.8 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.416 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.224 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

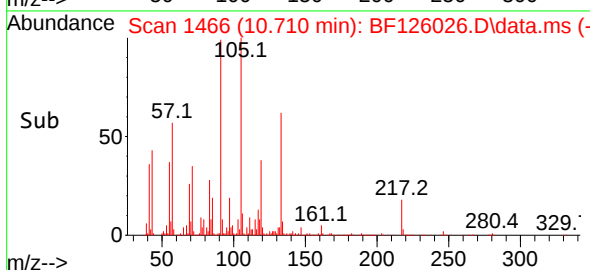
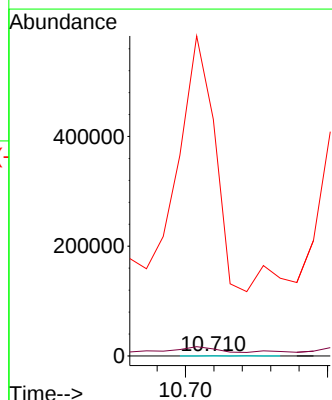
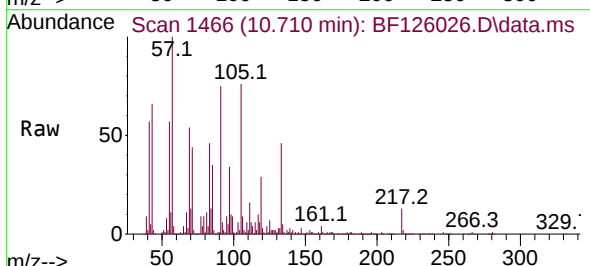
Tgt Ion:198 Resp: 257

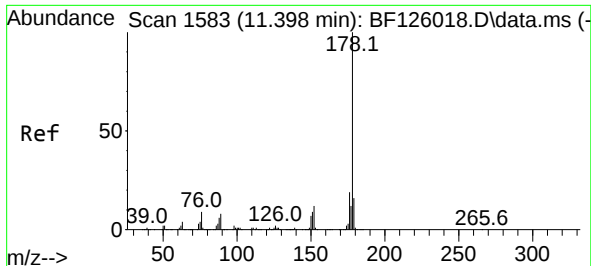
Ion Ratio Lower Upper

198 100

51 3051.1 45.3 85.3#

105 101481.4 30.6 70.6#

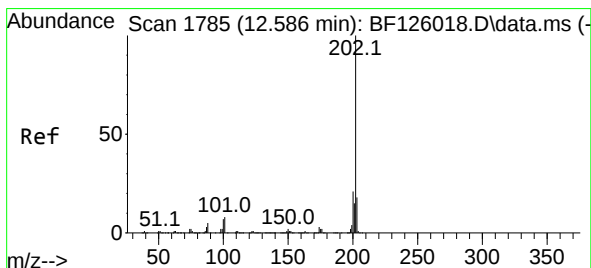
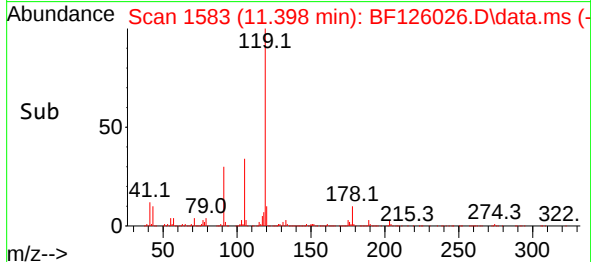
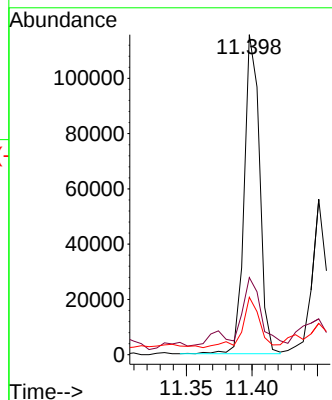
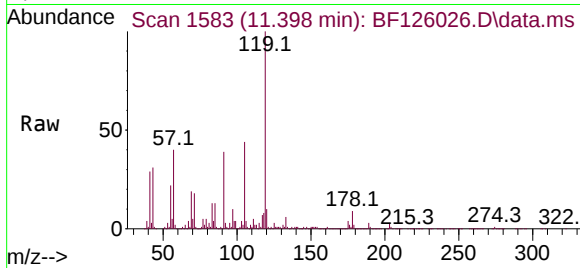




#71
Phenanthrene
Concen: 3.907 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

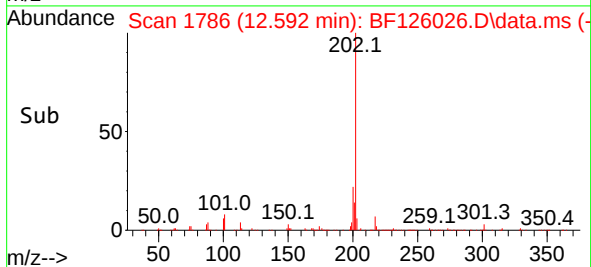
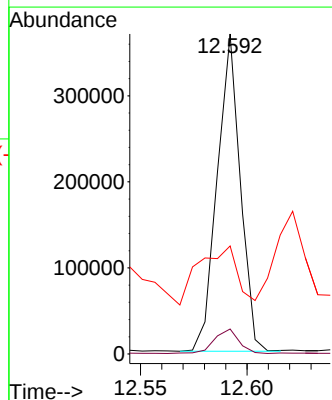
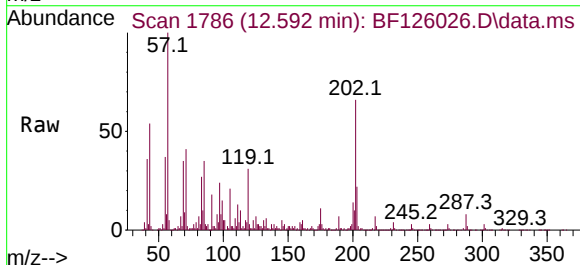
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7

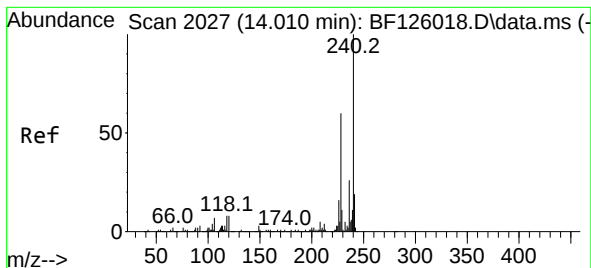
Tgt Ion:178 Resp: 94055
Ion Ratio Lower Upper
178 100
176 24.1 14.7 22.1#
179 18.0 11.5 17.3#



#75
Fluoranthene
Concen: 10.369 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Tgt Ion:202 Resp: 277927
Ion Ratio Lower Upper
202 100
101 7.8 0.0 30.7
203 33.7 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.005 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

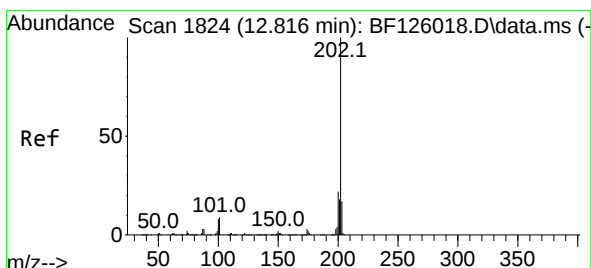
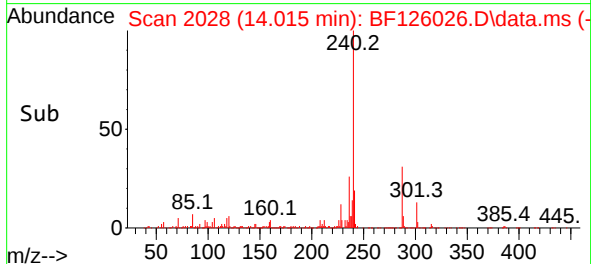
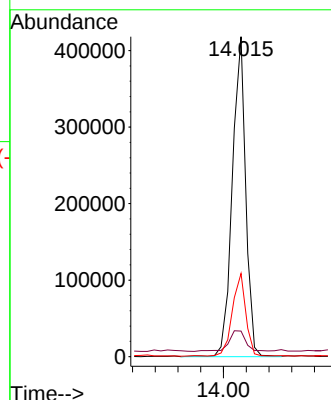
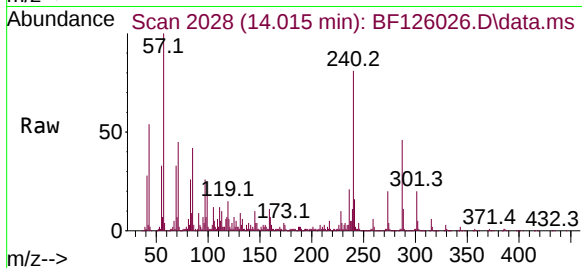
Tgt Ion:240 Resp: 342409

Ion Ratio Lower Upper

240 100

120 8.0 10.8 16.2#

236 26.0 21.6 32.4



#78

Pyrene

Concen: 13.010 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.005 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

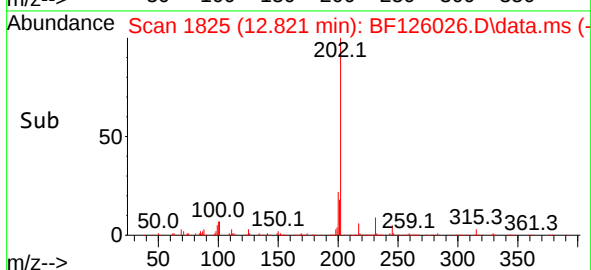
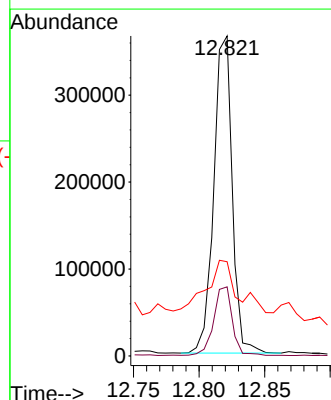
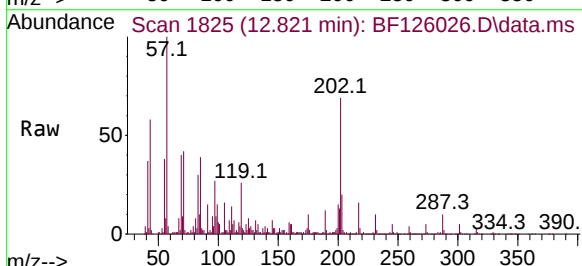
Tgt Ion:202 Resp: 357251

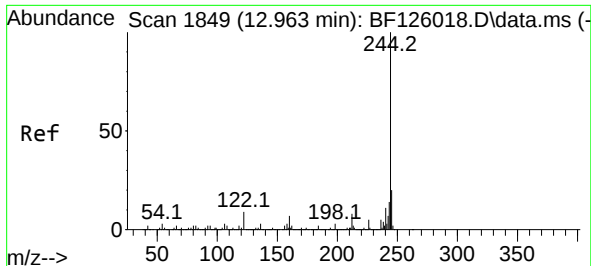
Ion Ratio Lower Upper

202 100

200 21.6 15.3 22.9

203 29.5 13.4 20.0#

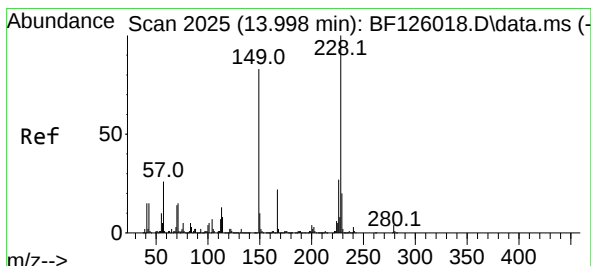
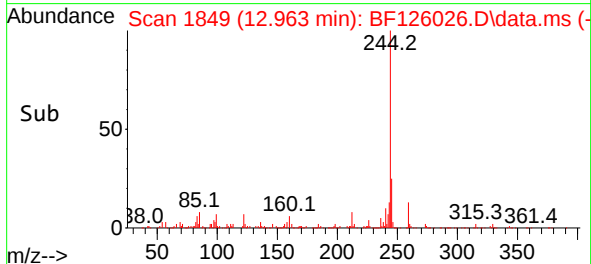
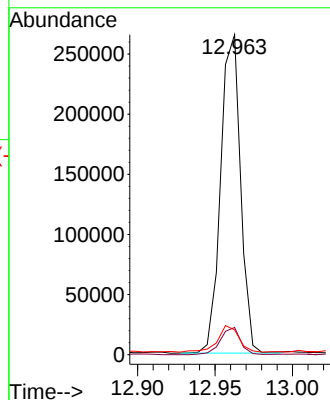
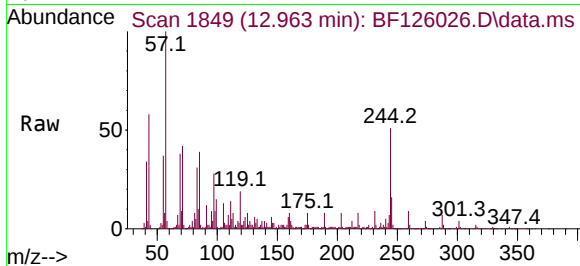




#79
 Terphenyl-d14
 Concen: 11.144 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF126026.D
 Acq: 3 Nov 2021 18:48

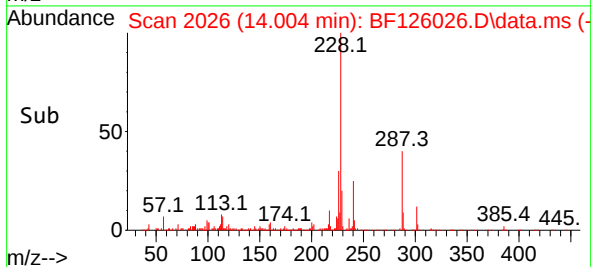
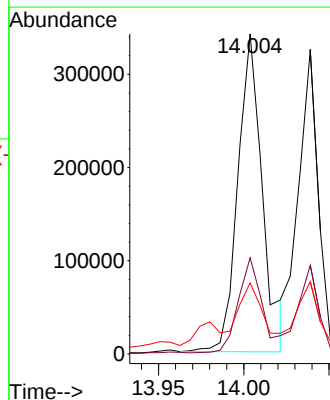
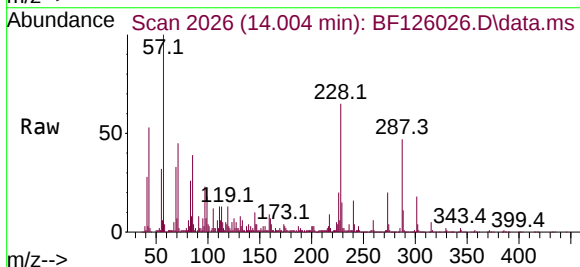
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-5-20211029-6.5-7

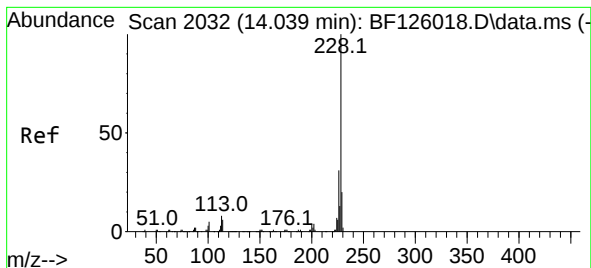
Tgt Ion:244 Resp: 236635
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.9 8.9
 122 7.7 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 14.418 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126026.D
 Acq: 3 Nov 2021 18:48

Tgt Ion:228 Resp: 339154
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.6 32.4
 229 22.2 15.6 23.4





#83

Chrysene

Concen: 12.214 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

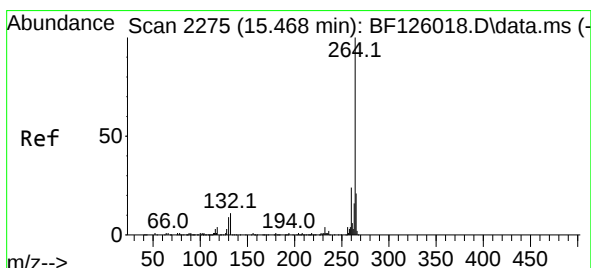
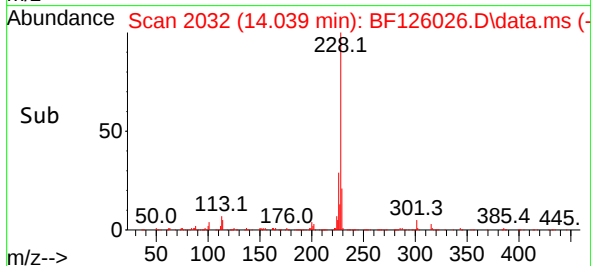
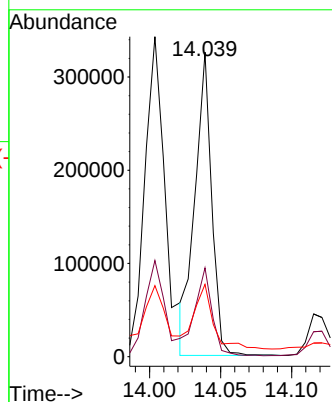
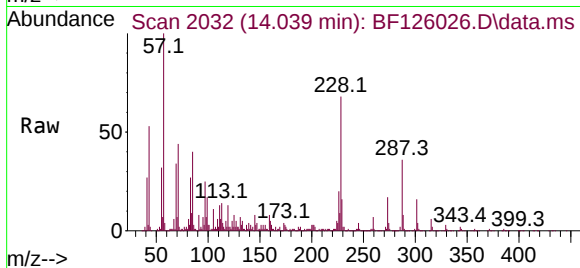
Tgt Ion:228 Resp: 267342

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 23.7 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: BF126026.D

Acq: 3 Nov 2021 18:48

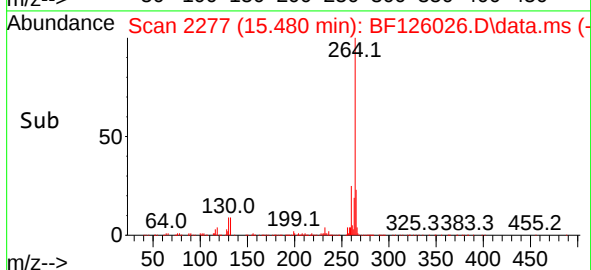
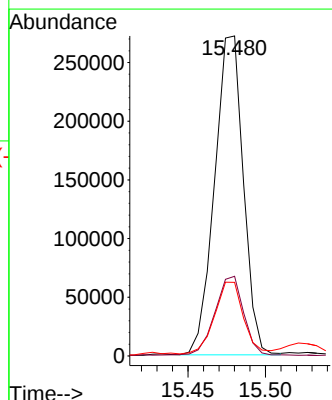
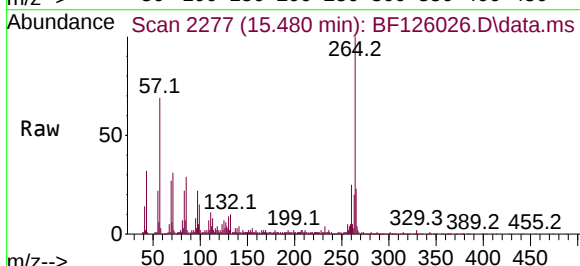
Tgt Ion:264 Resp: 351204

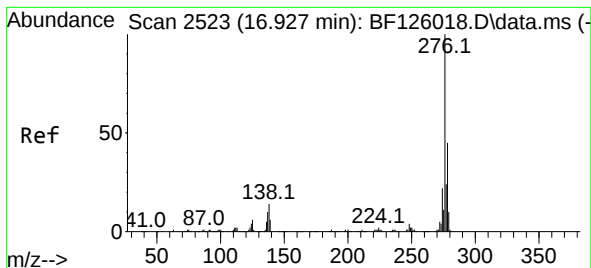
Ion Ratio Lower Upper

264 100

260 24.9 19.6 29.4

265 23.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.361 ng

RT: 16.927 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

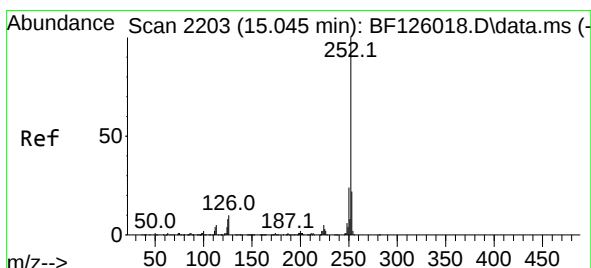
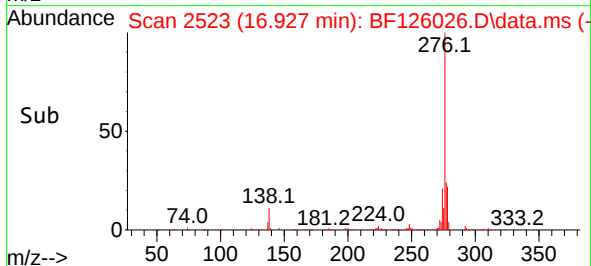
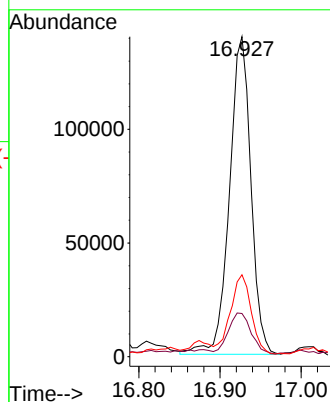
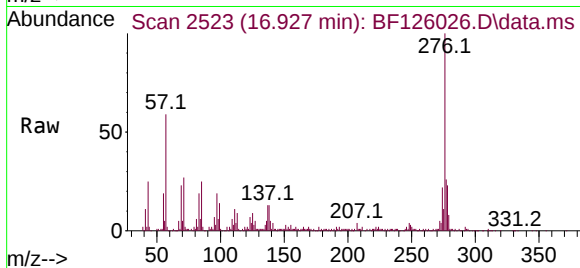
Tgt Ion:276 Resp: 256956

Ion Ratio Lower Upper

276 100

138 13.6 24.1 36.1#

277 24.1 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 26.951 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

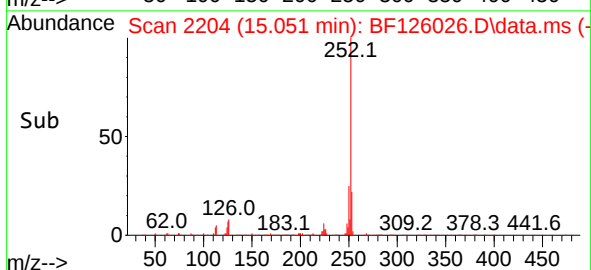
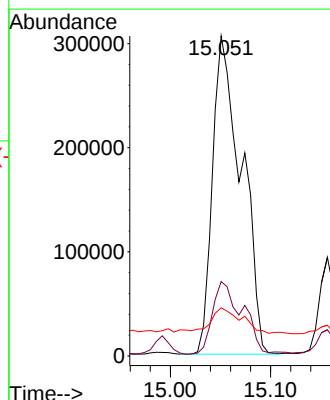
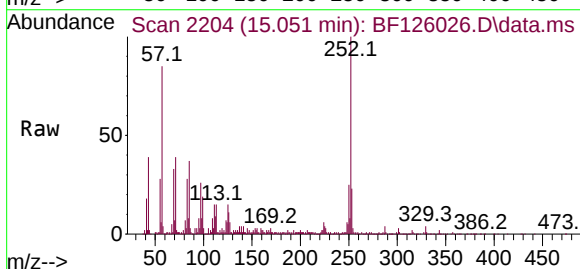
Tgt Ion:252 Resp: 615677

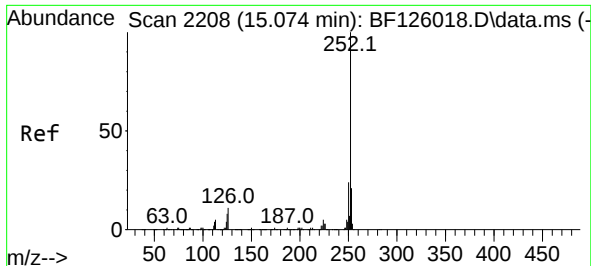
Ion Ratio Lower Upper

252 100

253 23.3 16.8 25.2

125 15.0 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 27.783 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

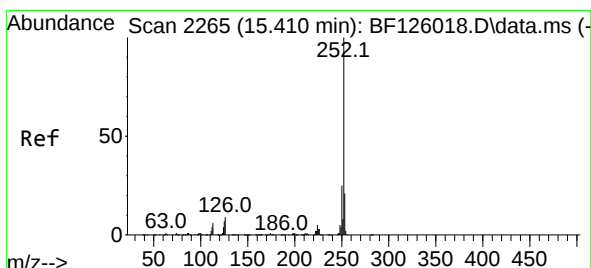
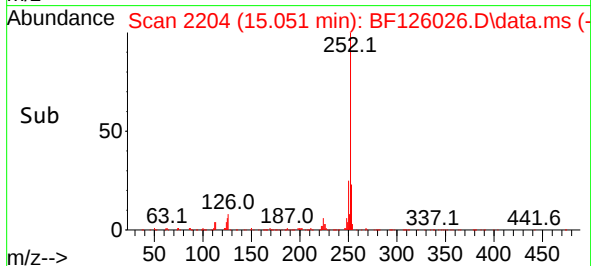
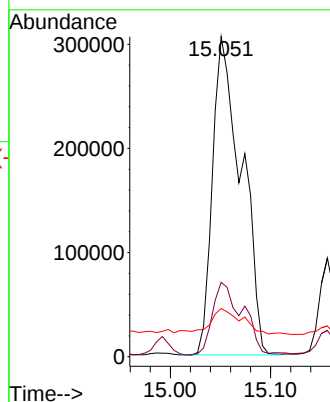
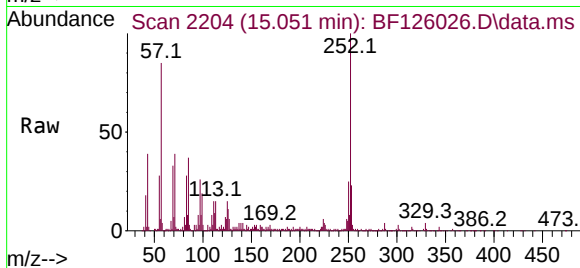
Tgt Ion:252 Resp: 615677

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 15.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 22.473 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.005 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

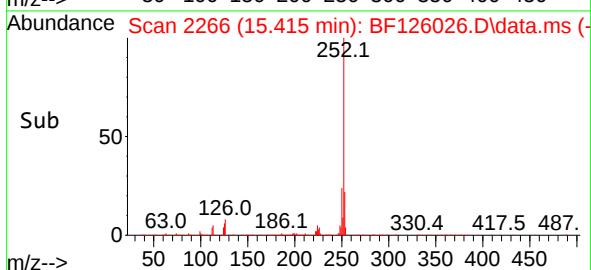
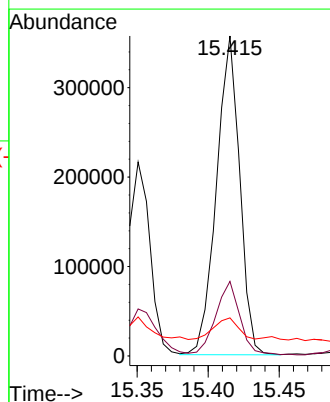
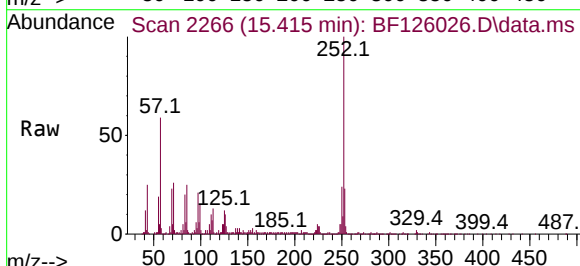
Tgt Ion:252 Resp: 404450

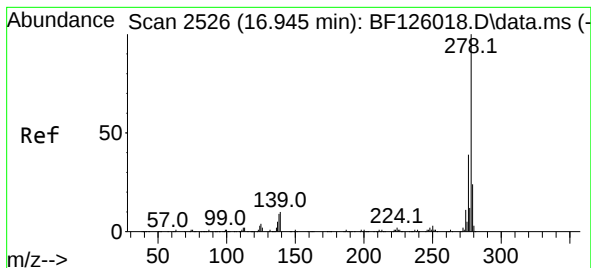
Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 11.9 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 4.039 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.153 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7

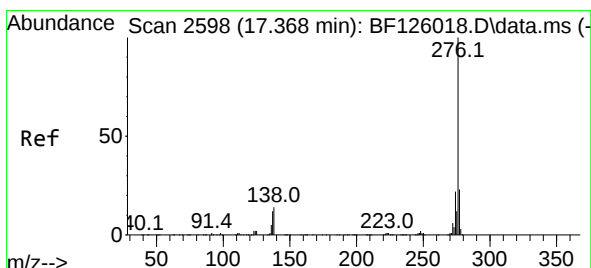
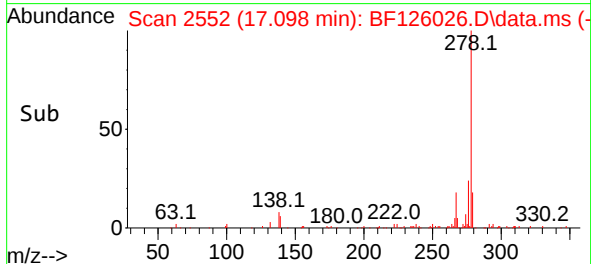
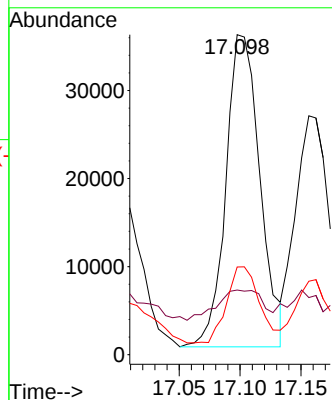
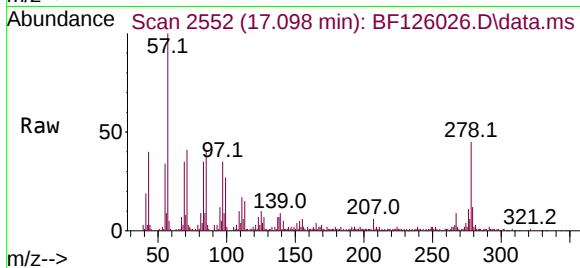
Tgt Ion:278 Resp: 68960

Ion Ratio Lower Upper

278 100

139 20.2 14.9 22.3

279 27.4 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 13.625 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.000 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Tgt Ion:276 Resp: 223101

Ion Ratio Lower Upper

276 100

277 21.1 22.0 33.0#

138 13.5 22.2 33.4#

