

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123991.D
 Acq On : 19 May 2021 15:37
 Operator : JU/CG
 Sample : M2366-02RX
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-BRX

Quant Time: May 19 16:46:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

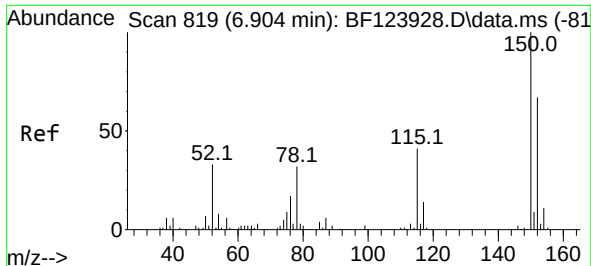
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	41664	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	163278	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	93041	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	170639	20.00	ng	0.00
76) Chrysene-d12	14.068	240	110927	20.00	ng	# 0.00
86) Perylene-d12	15.562	264	107804	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	14074	4.74	ng	0.00
7) Phenol-d6	6.516	99	76671	19.92	ng	0.00
23) Nitrobenzene-d5	7.463	82	224971	59.37	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	3243	2.90	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	381507	50.46	ng	0.00
79) Terphenyl-d14	13.015	244	358337	48.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	32678	12.56	ng	# 77
25) Isophorone	7.463	82	224967	30.86	ng	# 69
50) Dimethylphthalate	9.657	163	65772	8.85	ng	# 96
57) 2,4-Dinitrotoluene	9.945	165	11828	6.42	ng	# 15
71) Phenanthrene	11.451	178	37682	3.48	ng	99
72) Anthracene	11.451	178	37682	3.44	ng	99
75) Fluoranthene	12.645	202	40935	3.66	ng	94
77) Benzidine	13.015	184	5374	2.01	ng	97
78) Pyrene	12.874	202	39004	3.96	ng	97
83) Chrysene	14.098	228	16398	2.13	ng	95
88) Benzo(b)fluoranthene	15.121	252	25079	3.01	ng	# 97
89) Benzo(k)fluoranthene	15.121	252	25079	3.30	ng	98

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

Quant Time: May 19 16:46:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

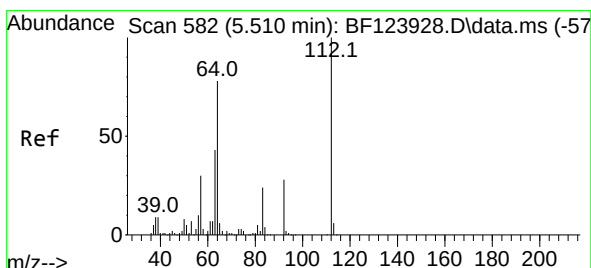
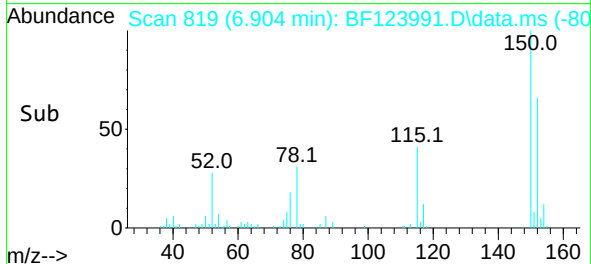
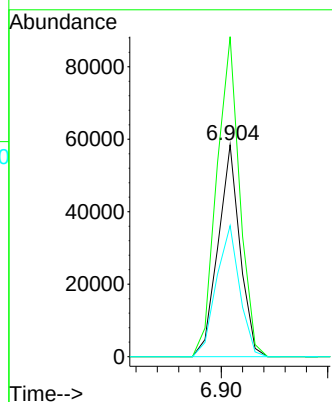
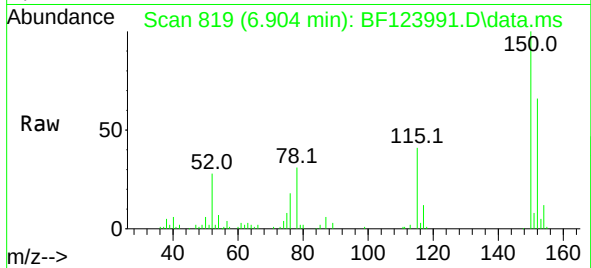




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.904 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: BF123991.D
 Acq: 19 May 2021 15:37

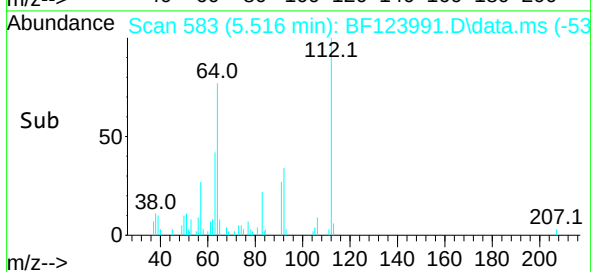
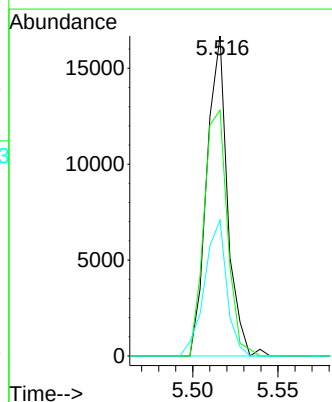
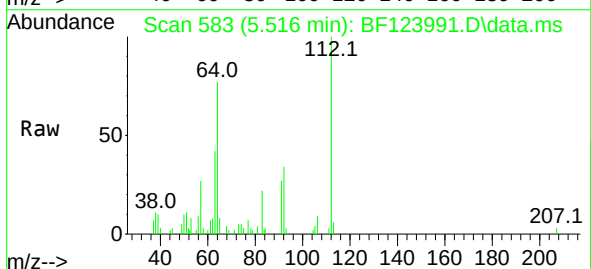
Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-BRX

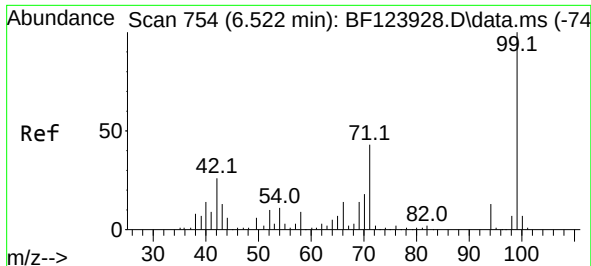
Tgt Ion:152 Resp: 41664
 Ion Ratio Lower Upper
 152 100
 150 151.0 127.0 190.6
 115 61.9 54.3 81.5



#5
 2-Fluorophenol
 Concen: 4.74 ng
 RT: 5.516 min Scan# 583
 Delta R.T. 0.006 min
 Lab File: BF123991.D
 Acq: 19 May 2021 15:37

Tgt Ion:112 Resp: 14074
 Ion Ratio Lower Upper
 112 100
 64 76.8 61.4 92.0
 63 42.4 33.0 49.4

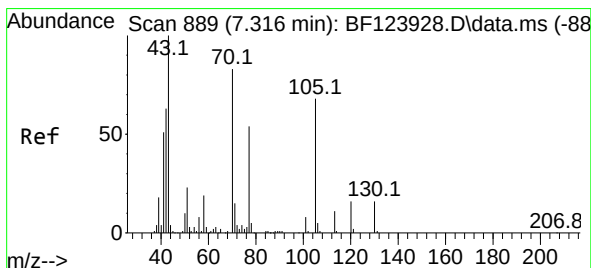
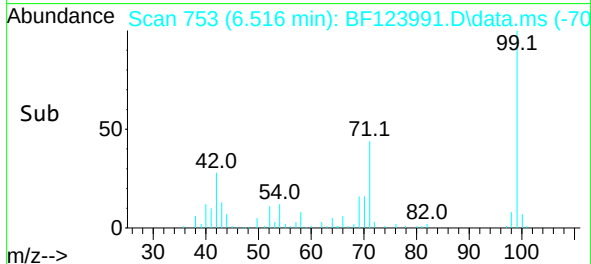
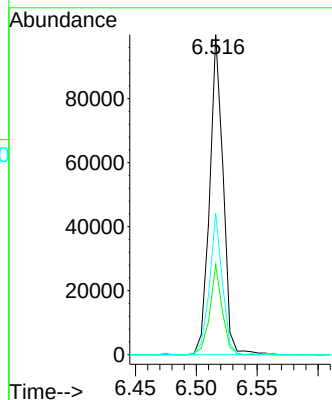
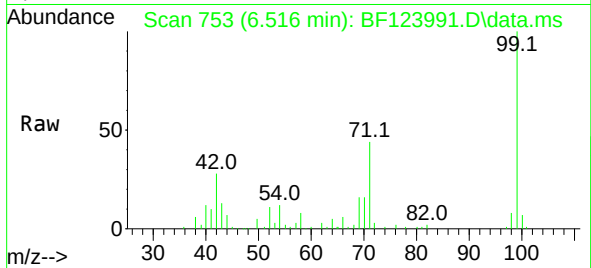




#7
Phenol-d6
Concen: 19.92 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

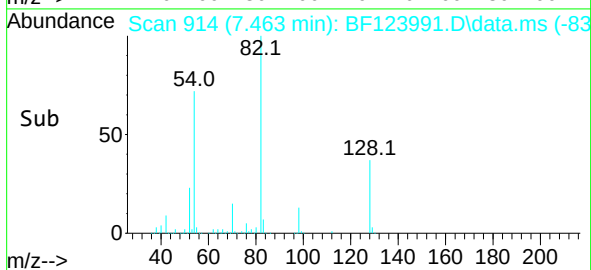
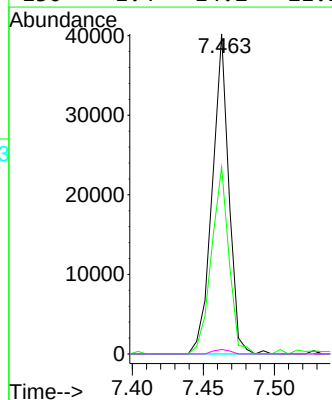
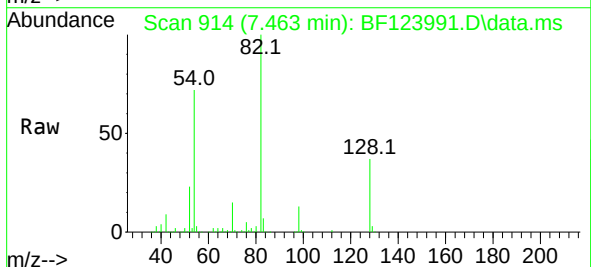
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

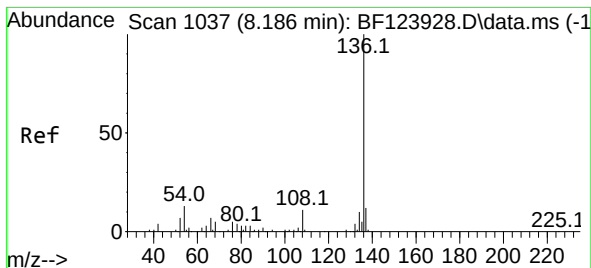
Tgt Ion: 99 Resp: 76671
Ion Ratio Lower Upper
99 100
42 28.2 19.8 29.8
71 44.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.56 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion: 70 Resp: 32678
Ion Ratio Lower Upper
70 100
42 58.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.4 14.2 21.2#

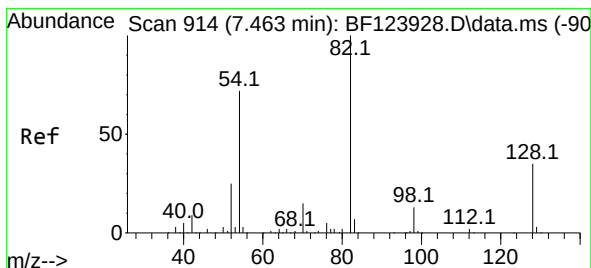
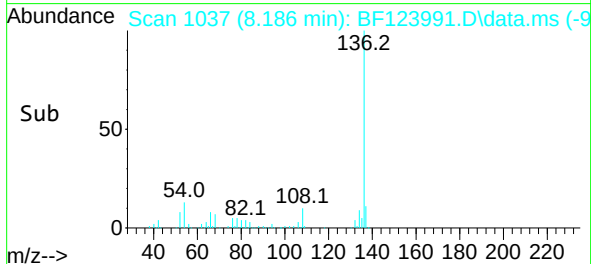
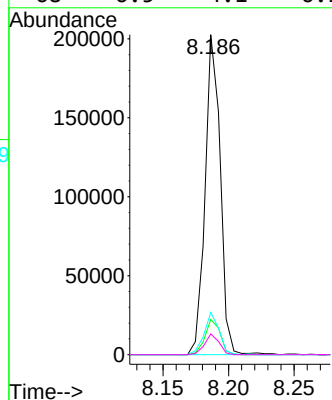
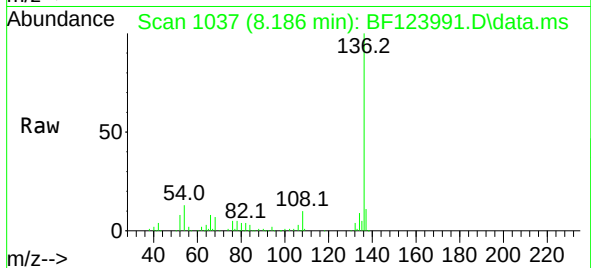




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

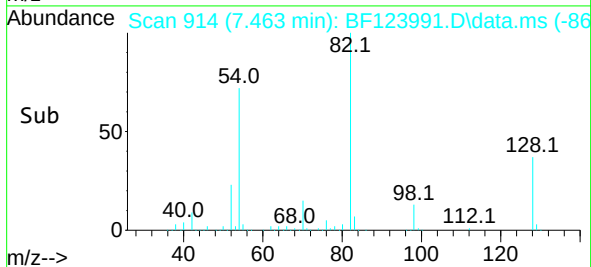
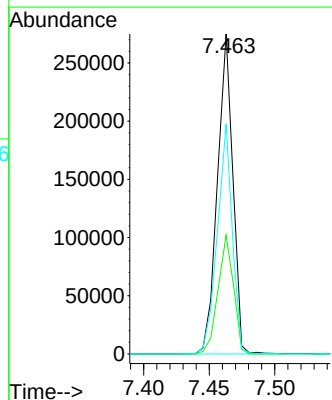
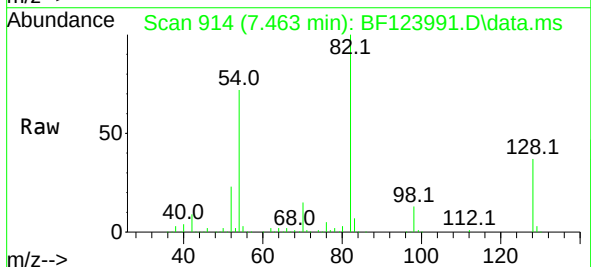
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

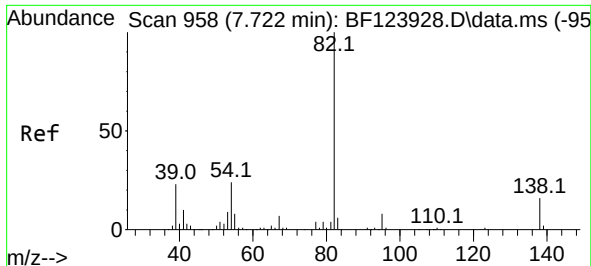
Tgt Ion:	136	Resp:	163278
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	13.2	9.8	14.6
68	6.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 59.37 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

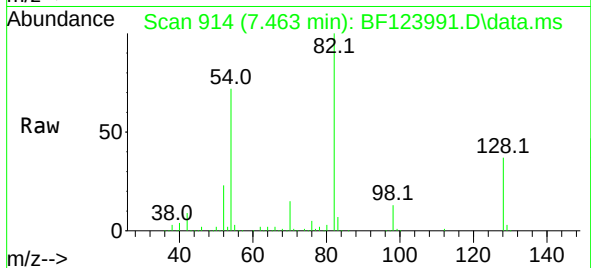
Tgt Ion:	82	Resp:	224971
Ion Ratio	Lower	Upper	
82	100		
128	37.1	29.4	44.2
54	72.0	54.1	81.1



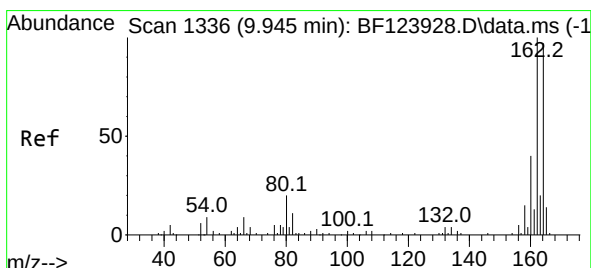
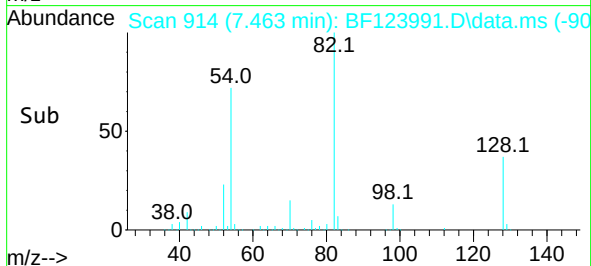
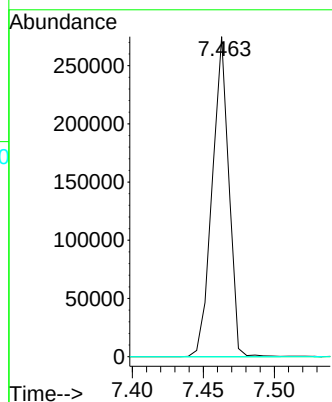


#25
Isophorone
Concen: 30.86 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

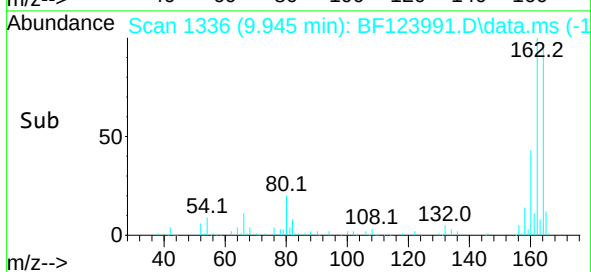
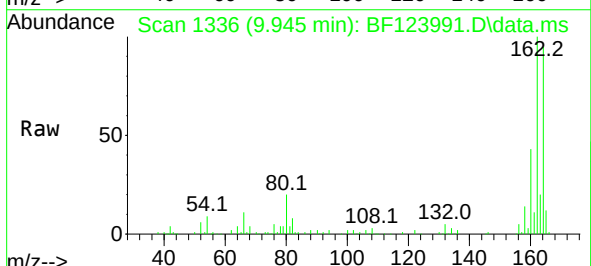
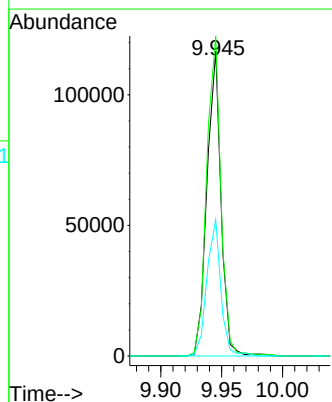


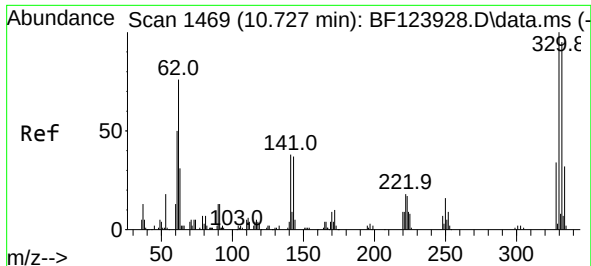
Tgt Ion: 82 Resp: 224967
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

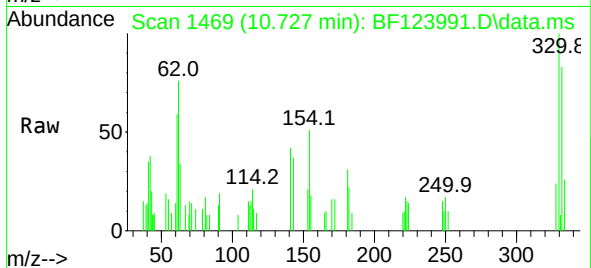
Tgt Ion: 164 Resp: 93041
Ion Ratio Lower Upper
164 100
162 105.0 80.7 121.1
160 44.8 37.3 55.9



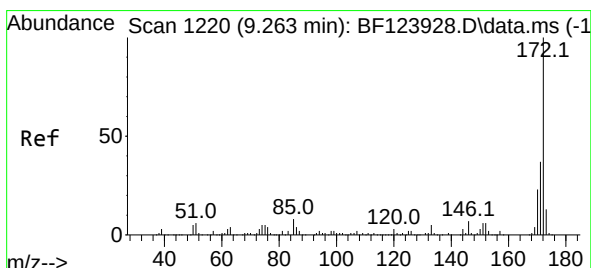
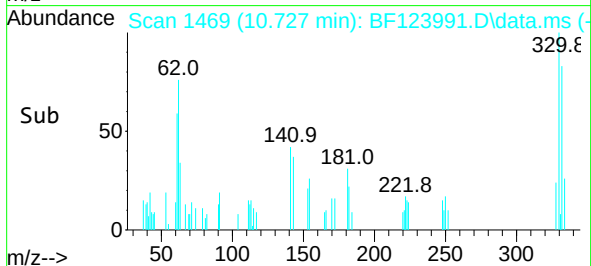
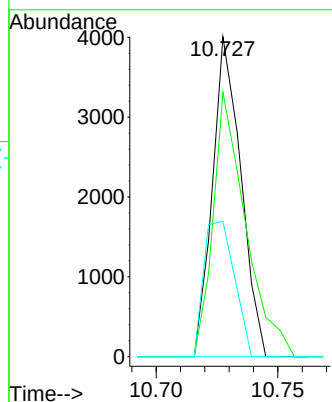


#42
2,4,6-Tribromophenol
Concen: 2.90 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

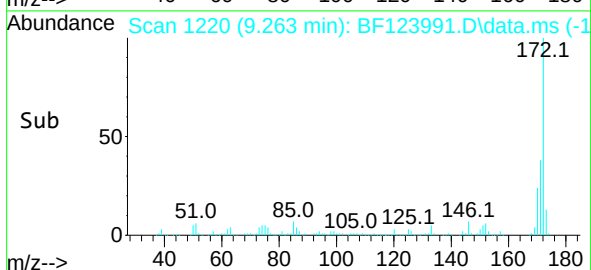
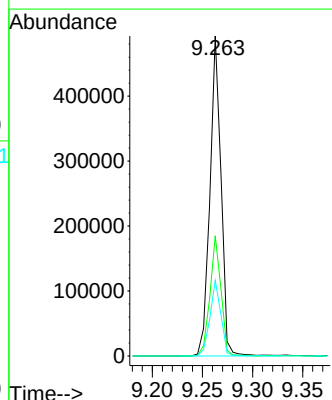
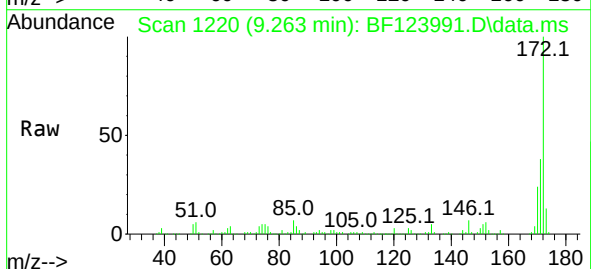


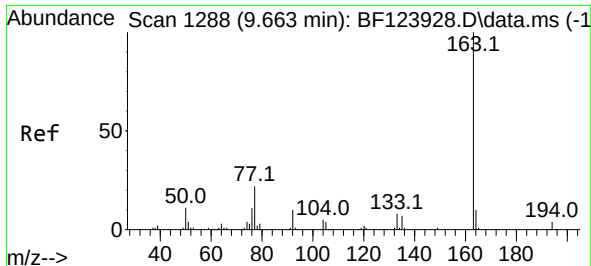
Tgt Ion: 330 Resp: 3243
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 45.7 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 50.46 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion: 172 Resp: 381507
Ion Ratio Lower Upper
172 100
171 37.5 28.1 42.1
170 23.6 19.2 28.8

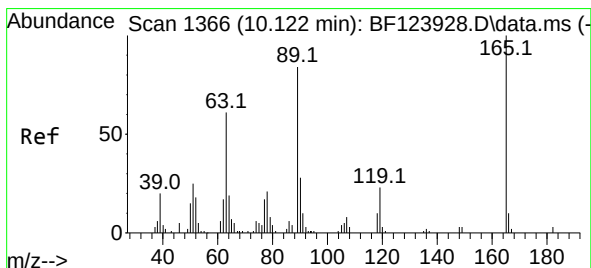
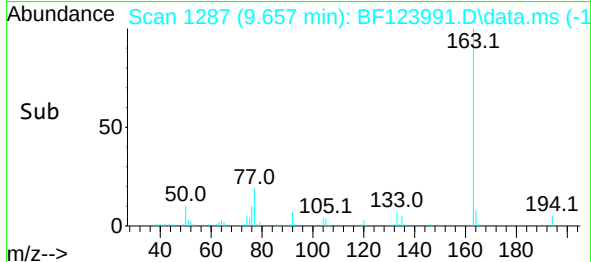
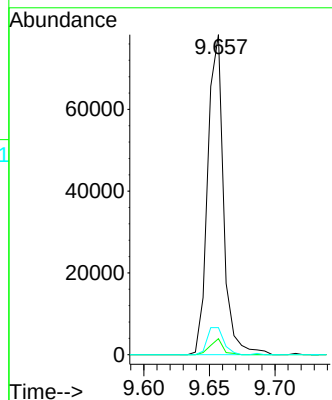
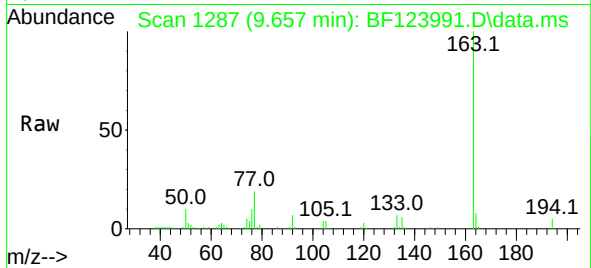




#50
Dimethylphthalate
Concen: 8.85 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

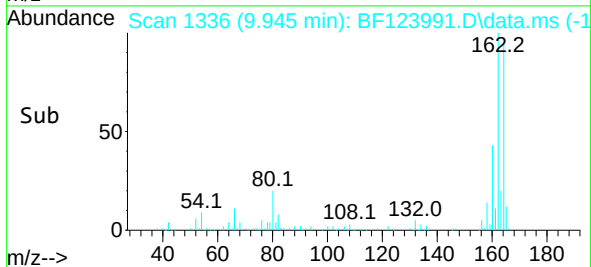
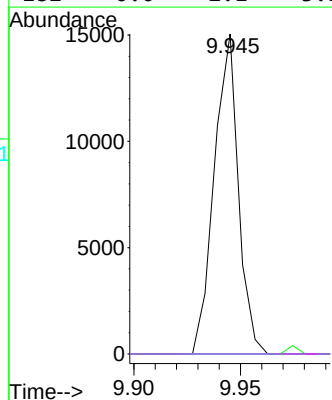
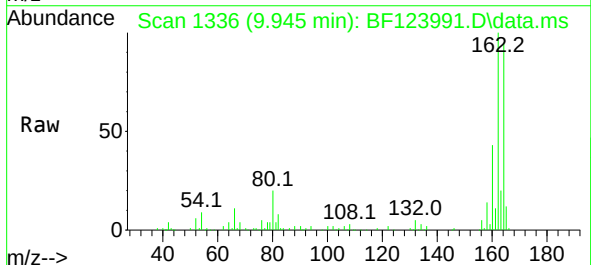
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

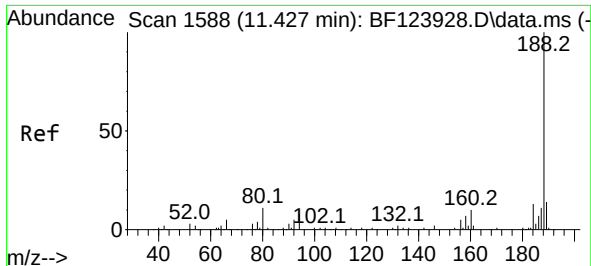
Tgt Ion:163 Resp: 65772
Ion Ratio Lower Upper
163 100
194 5.0 3.1 4.7#
164 8.4 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.176 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion:165 Resp: 11828
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

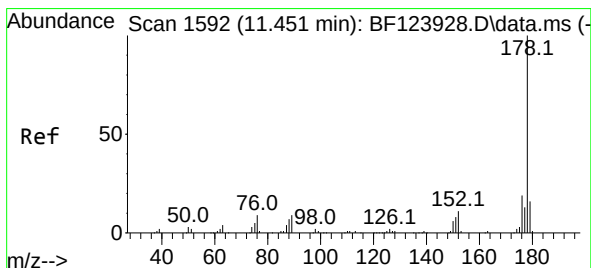
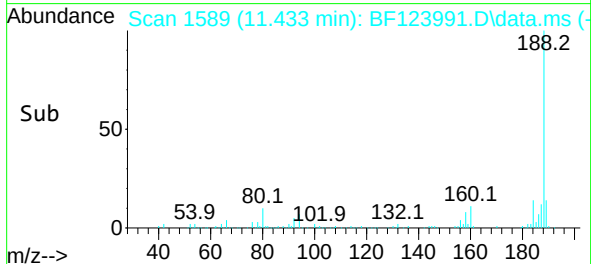
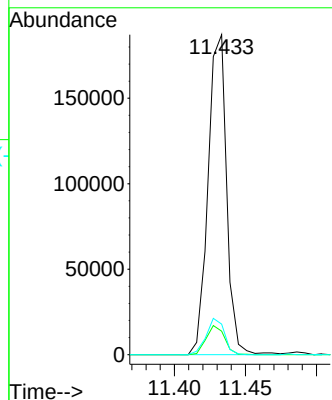
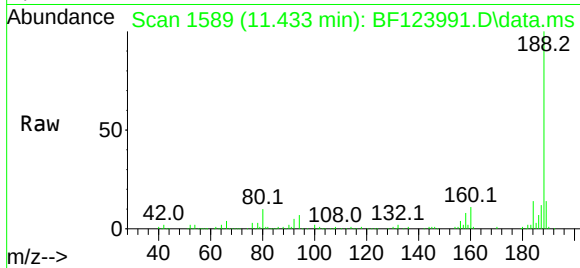




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

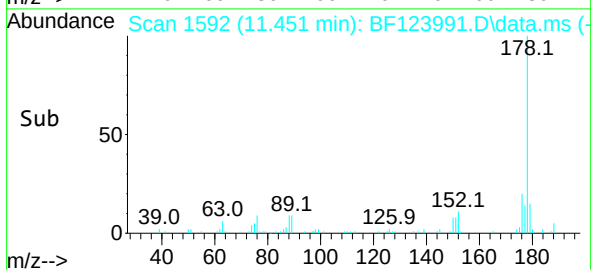
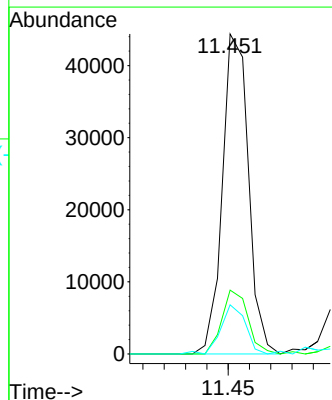
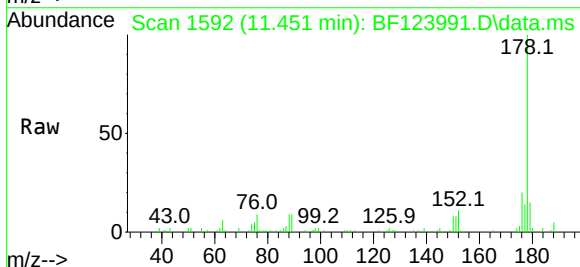
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

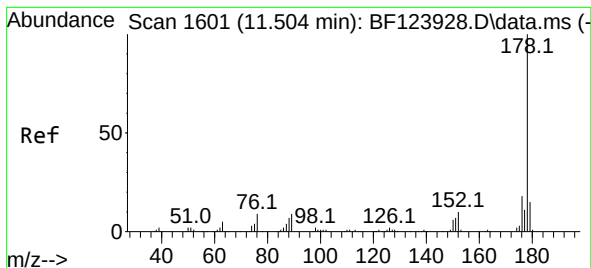
Tgt Ion:188 Resp: 170639
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 9.6 8.2 12.2



#71
Phenanthrene
Concen: 3.48 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion:178 Resp: 37682
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.4 12.5 18.7





#72

Anthracene

Concen: 3.44 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.053 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

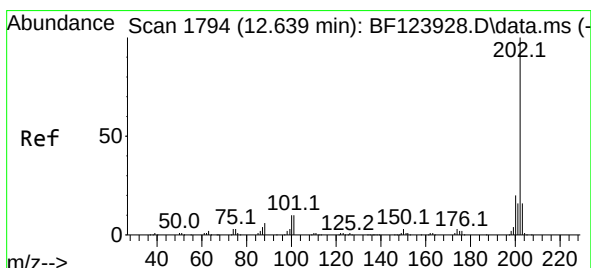
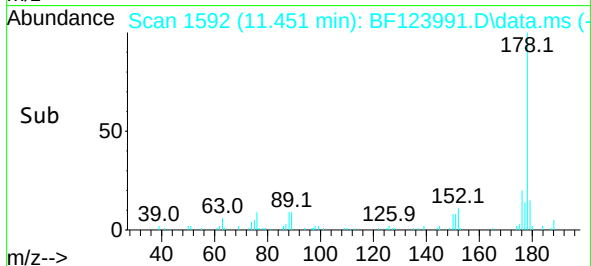
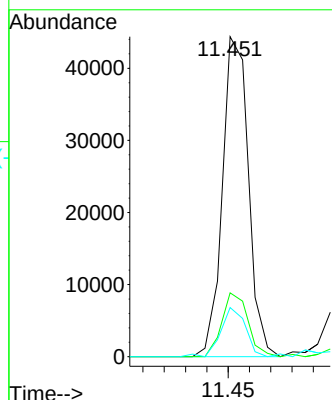
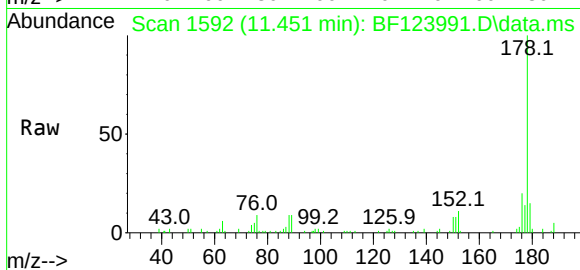
Tgt Ion:178 Resp: 37682

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.0

179 15.4 12.6 18.8



#75

Fluoranthene

Concen: 3.66 ng

RT: 12.645 min Scan# 1795

Delta R.T. 0.006 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

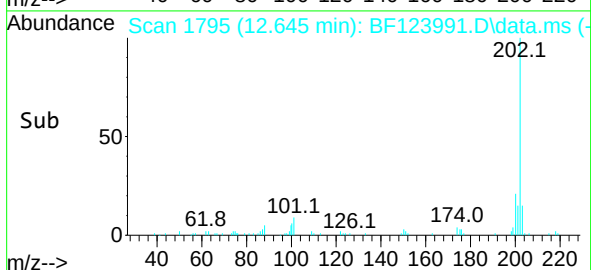
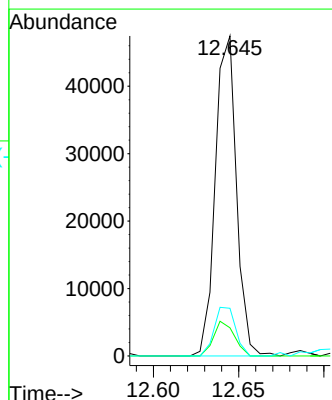
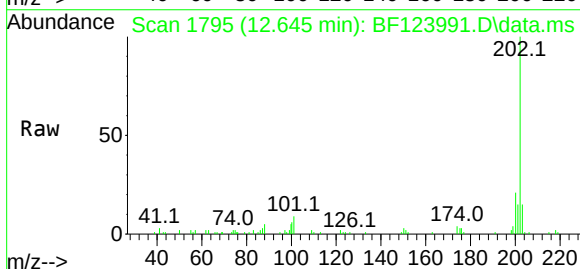
Tgt Ion:202 Resp: 40935

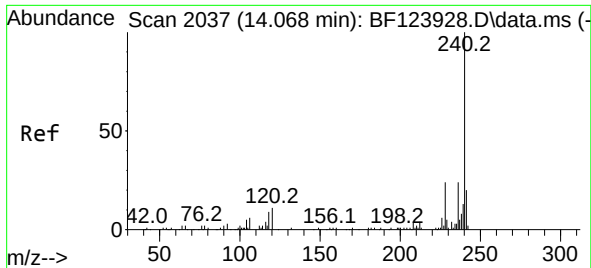
Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.9

203 14.9 0.0 37.5

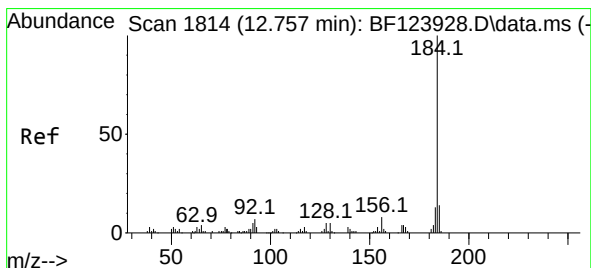
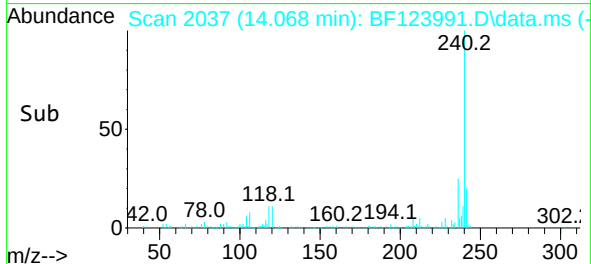
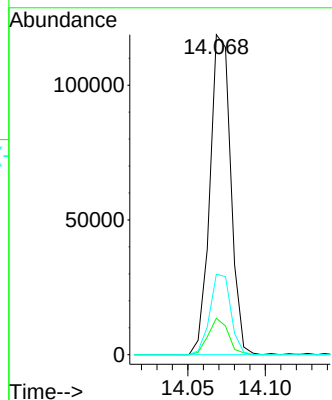
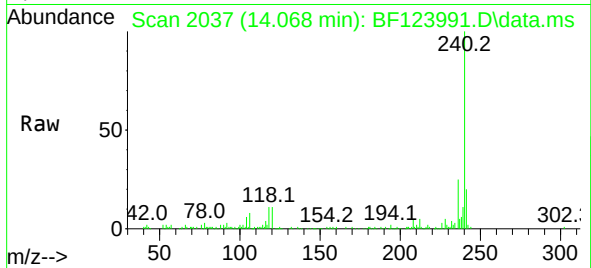




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

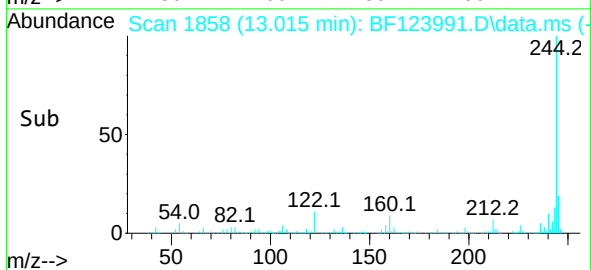
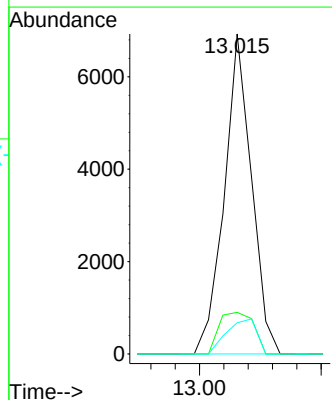
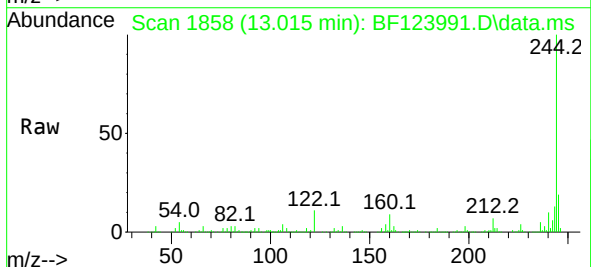
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

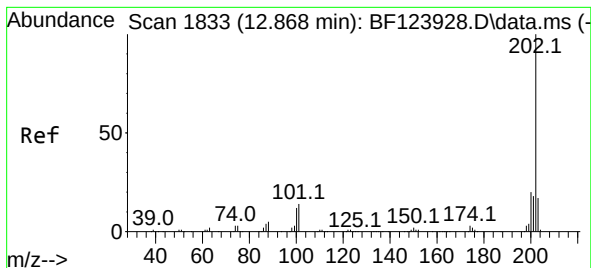
Tgt Ion:240 Resp: 110927
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8#
236 25.2 19.0 28.4



#77
Benzidine
Concen: 2.01 ng
RT: 13.015 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion:184 Resp: 5374
Ion Ratio Lower Upper
184 100
185 13.0 12.1 18.1
183 9.8 7.8 11.8





#78

Pyrene

Concen: 3.96 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

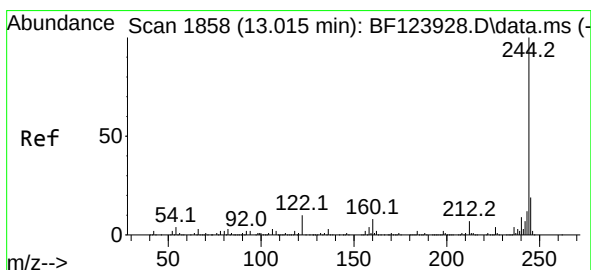
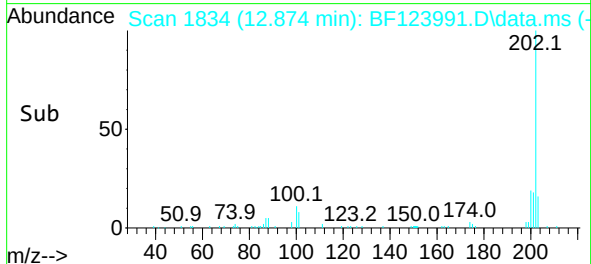
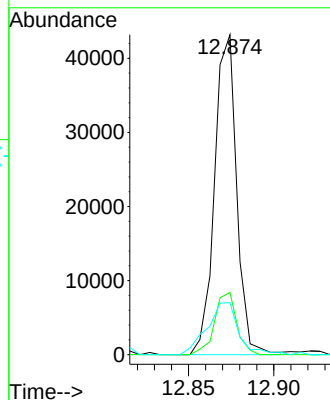
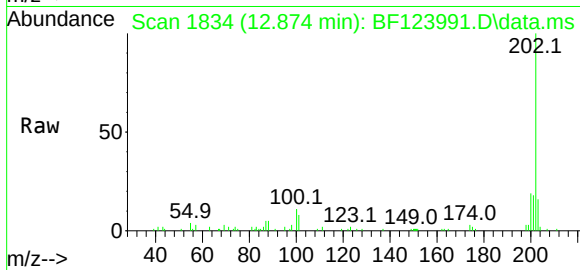
Tgt Ion:202 Resp: 39004

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 16.2 14.8 22.2



#79

Terphenyl-d14

Concen: 48.93 ng

RT: 13.015 min Scan# 1858

Delta R.T. -0.000 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

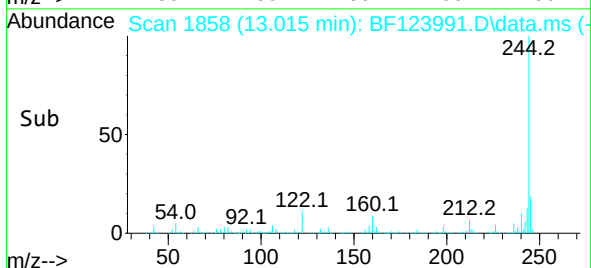
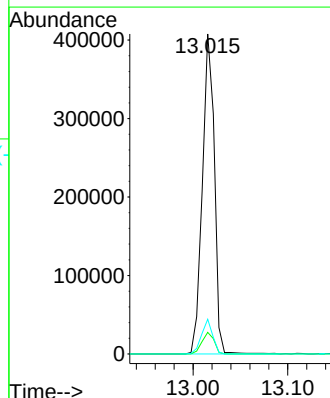
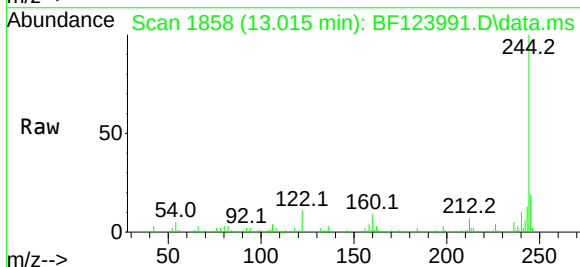
Tgt Ion:244 Resp: 358337

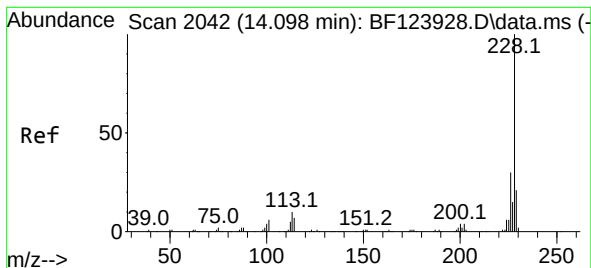
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 10.8 9.7 14.5





#83

Chrysene

Concen: 2.13 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

Tgt Ion:228 Resp: 16398

Ion Ratio Lower Upper

228 100

226 32.5 24.3 36.5

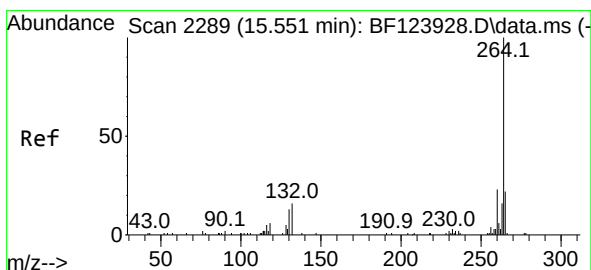
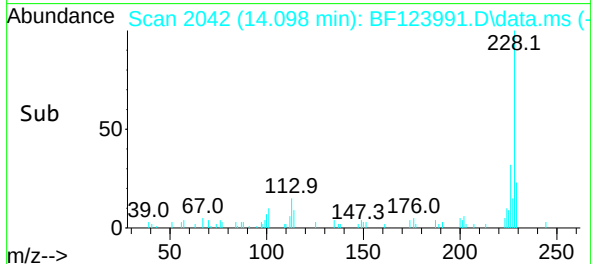
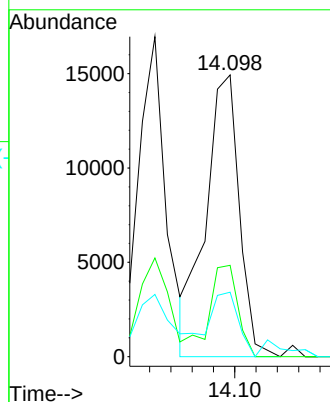
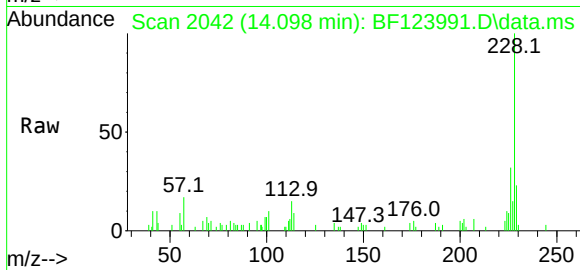
229 22.9 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

JG-SPOILS-5-11-21-BRX



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.012 min

Lab File: BF123991.D

Acq: 19 May 2021 15:37

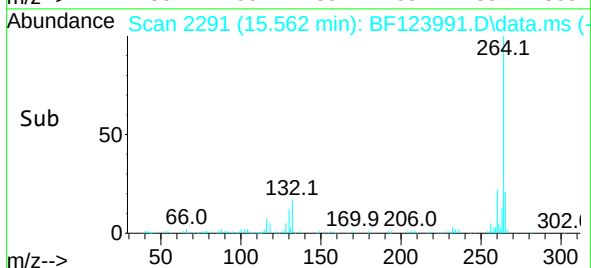
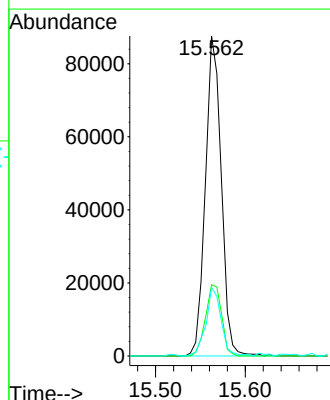
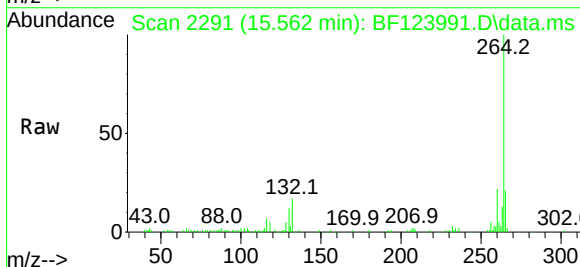
Tgt Ion:264 Resp: 107804

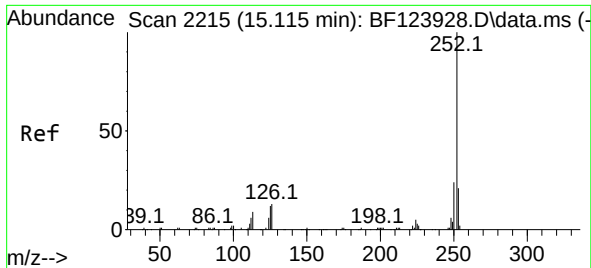
Ion Ratio Lower Upper

264 100

260 22.3 18.7 28.1

265 21.5 17.8 26.8

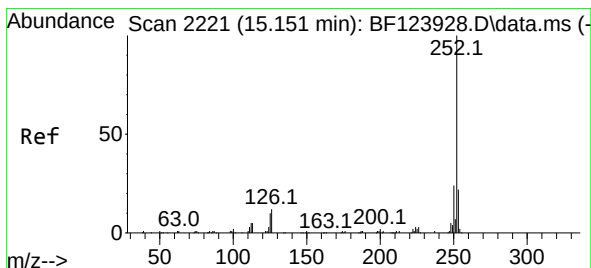
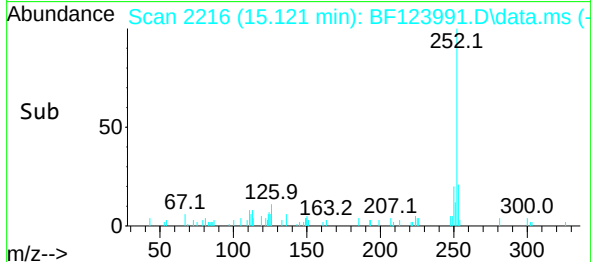
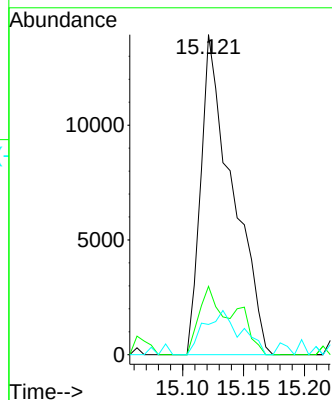
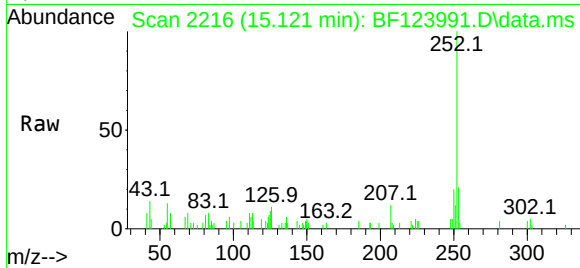




#88
Benzo(b)fluoranthene
Concen: 3.01 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-BRX

Tgt Ion:252 Resp: 25079
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 9.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 3.30 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.029 min
Lab File: BF123991.D
Acq: 19 May 2021 15:37

Tgt Ion:252 Resp: 25079
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 9.4 7.0 10.6

