

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123990.D
 Acq On : 19 May 2021 15:04
 Operator : JU/CG
 Sample : M2366-01RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 19 16:45:59 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)

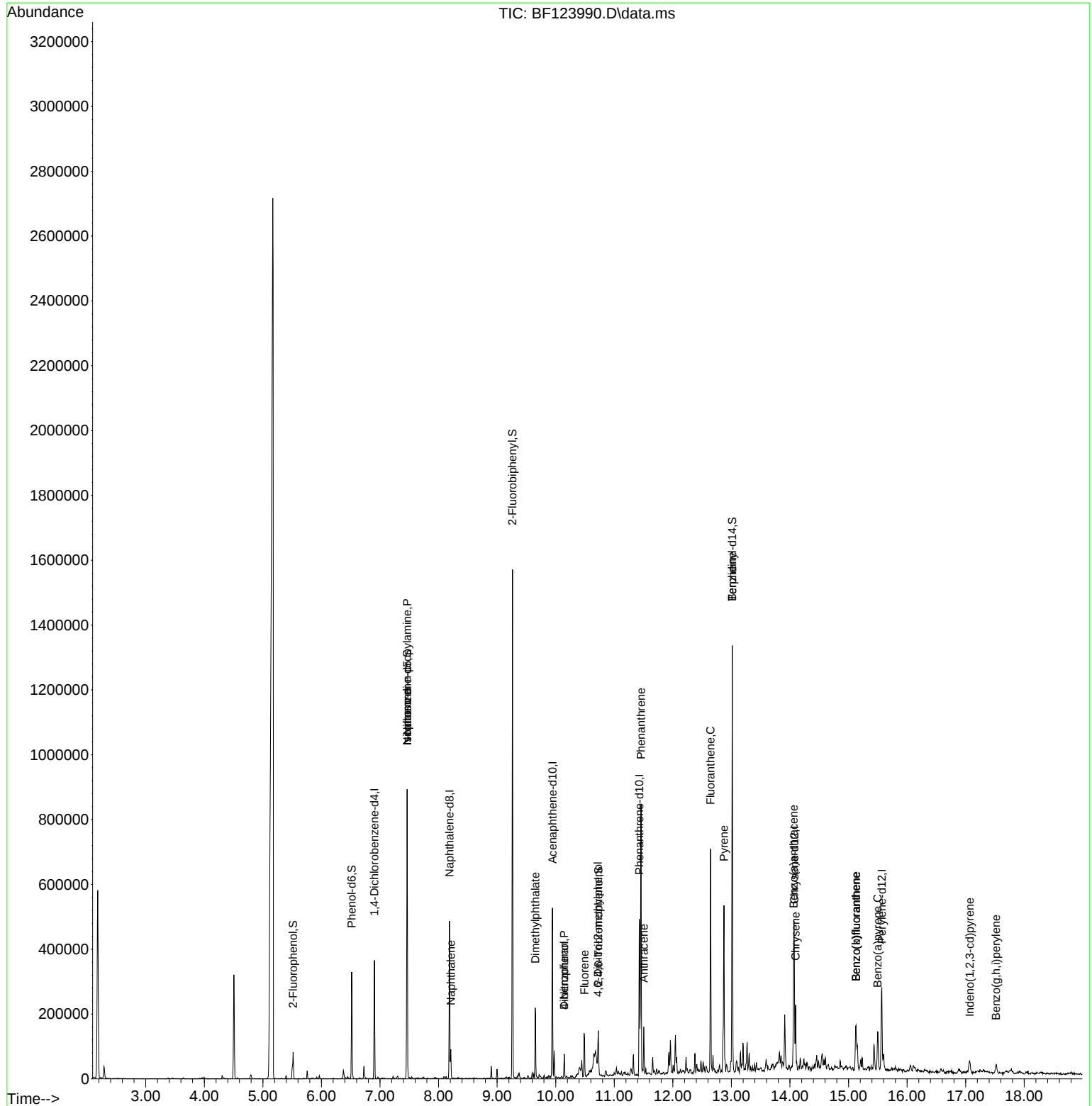
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39884	20.00	ng	0.00
21) Naphthalene-d8	8.187	136	161423	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	96995	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	170112	20.00	ng	0.00
76) Chrysene-d12	14.074	240	110211	20.00	ng	0.00
86) Perylene-d12	15.568	264	107130	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	12456	4.38	ng	0.00
7) Phenol-d6	6.516	99	75648	20.53	ng	0.00
23) Nitrobenzene-d5	7.463	82	227530	60.73	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	3722	3.19	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	375412	47.63	ng	0.00
79) Terphenyl-d14	13.016	244	352454	48.44	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	34940	14.03	ng	# 76
25) Isophorone	7.463	82	227526	31.57	ng	# 69
31) Naphthalene	8.210	128	28793	3.01	ng	97
50) Dimethylphthalate	9.651	163	76994	9.94	ng	99
55) Dibenzofuran	10.145	168	24495	2.49	ng	100
56) 4-Nitrophenol	10.145	139	9393	7.30	ng	# 1
58) Fluorene	10.492	166	30255	4.07	ng	93
65) 4,6-Dinitro-2-methylph...	10.722	198	117	5.53	ng	# 1
71) Phenanthrene	11.457	178	269134	24.96	ng	99
72) Anthracene	11.504	178	42605	3.90	ng	98
75) Fluoranthene	12.645	202	229567	20.56	ng	98
77) Benzidine	13.016	184	6186	2.33	ng	# 87
78) Pyrene	12.874	202	181505	18.55	ng	97
81) Benzo(a)anthracene	14.063	228	71083	8.92	ng	98
83) Chrysene	14.098	228	67047	8.75	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	24015	2.90	ng	96
88) Benzo(b)fluoranthene	15.127	252	94500	11.40	ng	# 97
89) Benzo(k)fluoranthene	15.127	252	94500	12.51	ng	# 97
90) Benzo(a)pyrene	15.498	252	52533	7.33	ng	98
92) Benzo(g,h,i)perylene	17.521	276	20426	2.92	ng	# 91

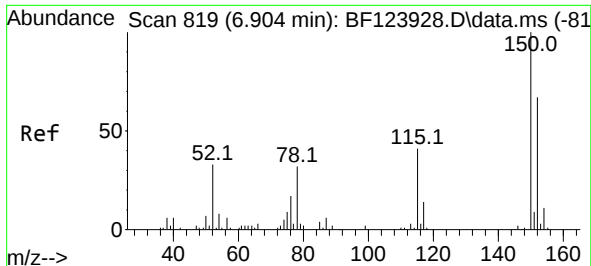
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123990.D
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Instrument :
BNA_F
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JG-SPOILS-5-11-21-ARX

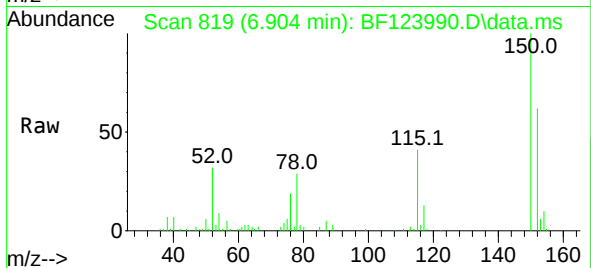
Quant Time: May 19 16:45:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
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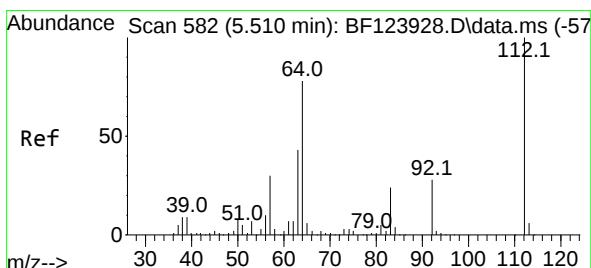
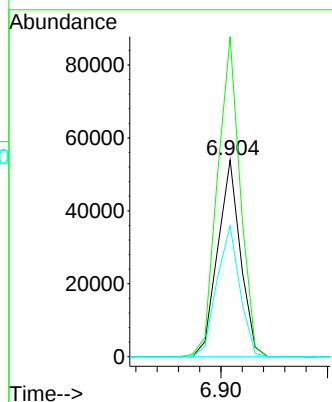
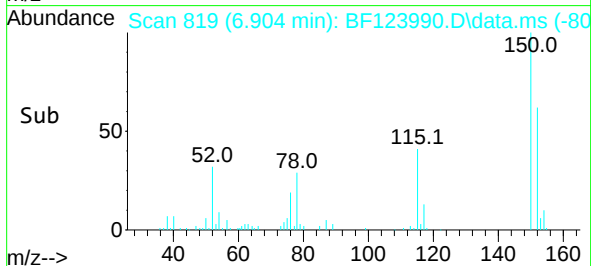


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

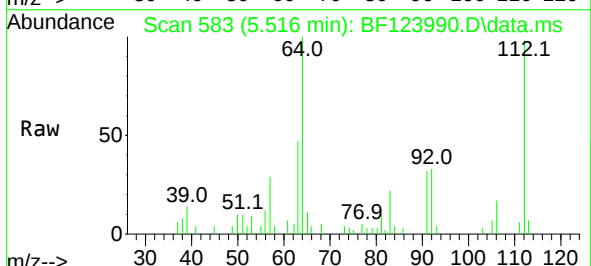
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX



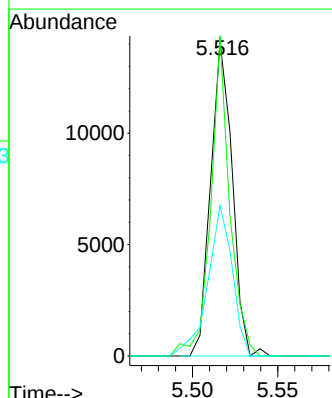
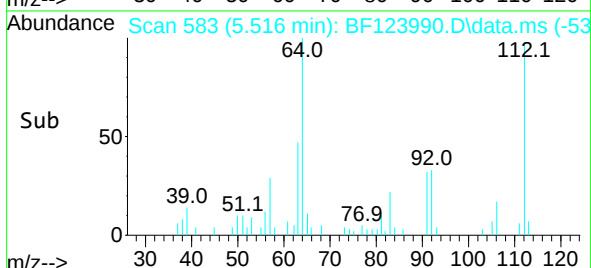
Tgt Ion:152 Resp: 39884
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 66.5 54.3 81.5

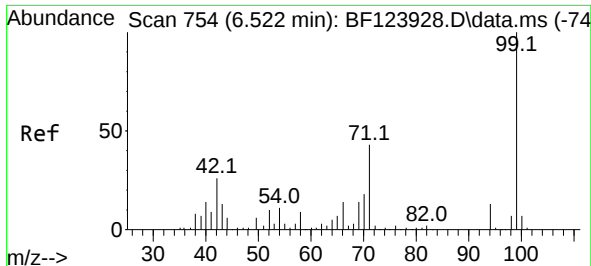


#5
2-Fluorophenol
Concen: 4.38 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



Tgt Ion:112 Resp: 12456
Ion Ratio Lower Upper
112 100
64 101.6 61.4 92.0#
63 47.7 33.0 49.4

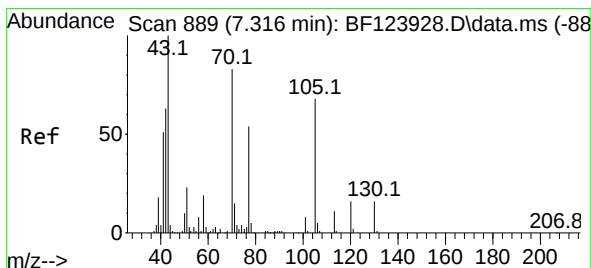
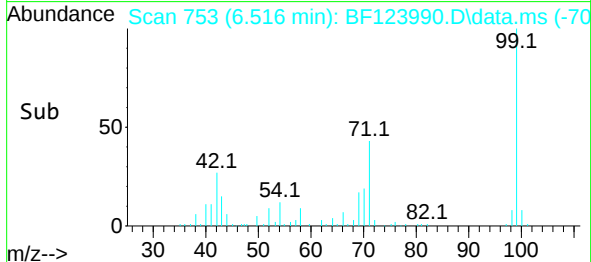
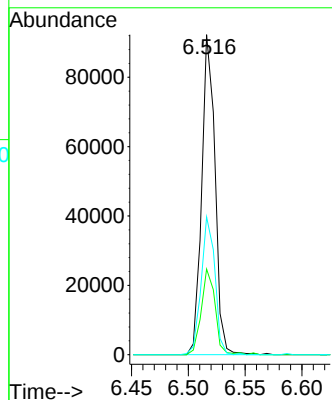
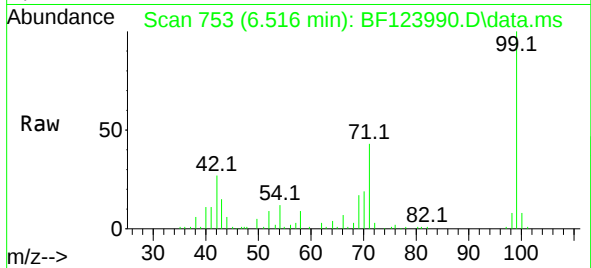




#7
Phenol-d6
Concen: 20.53 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

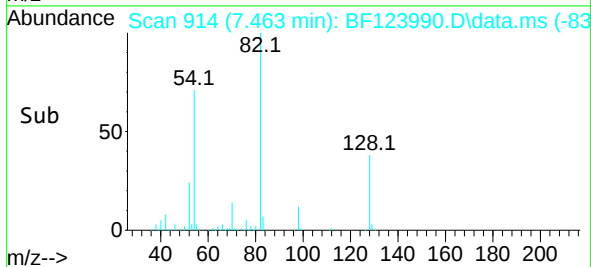
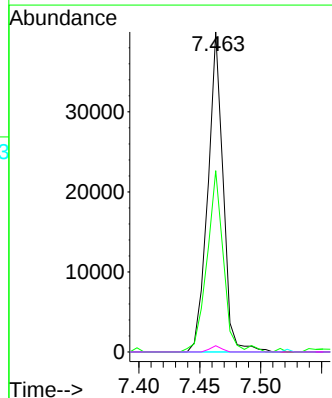
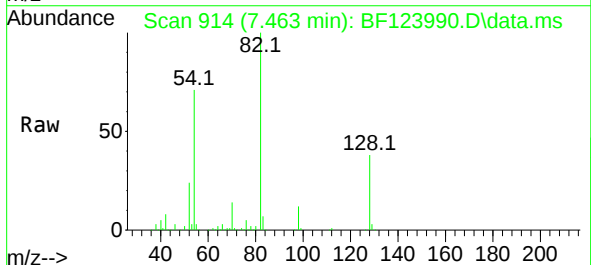
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

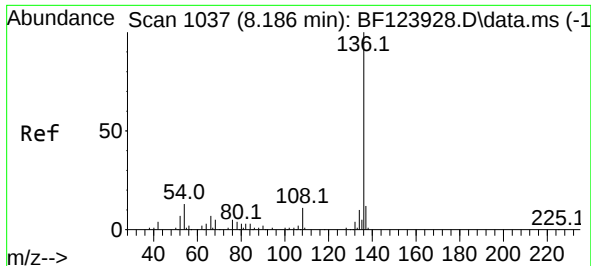
Tgt Ion: 99 Resp: 75648
Ion Ratio Lower Upper
99 100
42 26.7 19.8 29.8
71 43.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.03 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

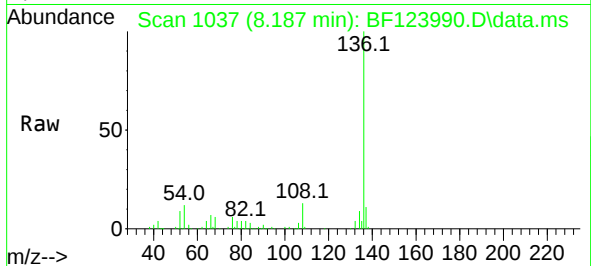
Tgt Ion: 70 Resp: 34940
Ion Ratio Lower Upper
70 100
42 56.7 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



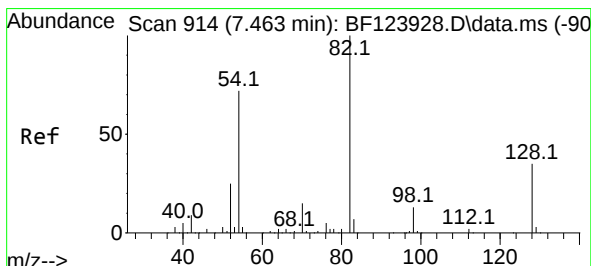
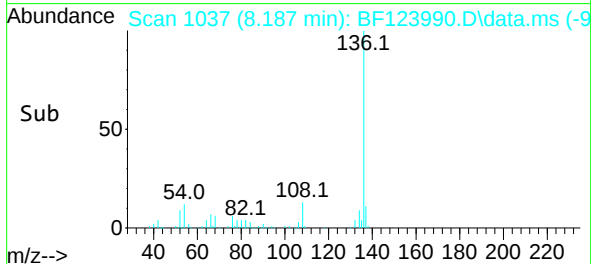
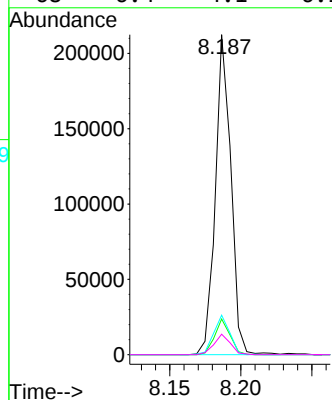


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.001 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

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

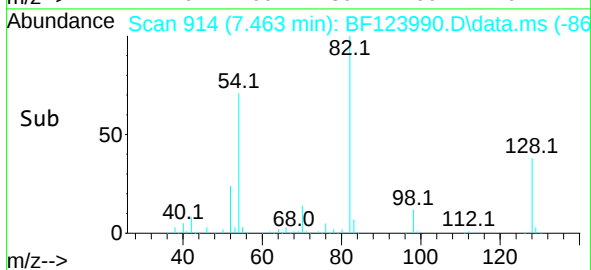
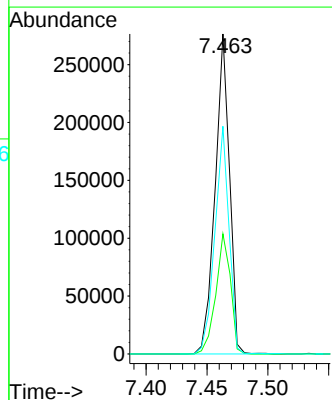
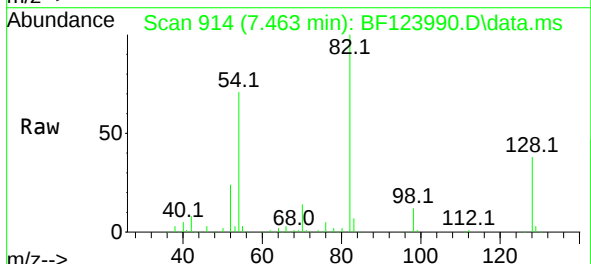


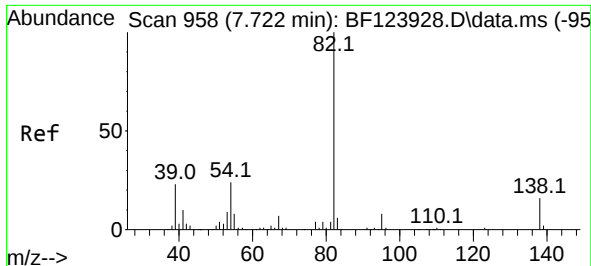
Tgt Ion:136 Resp: 161423
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 12.3 9.8 14.6
68 6.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 60.73 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion: 82 Resp: 227530
Ion Ratio Lower Upper
82 100
128 37.6 29.4 44.2
54 71.1 54.1 81.1

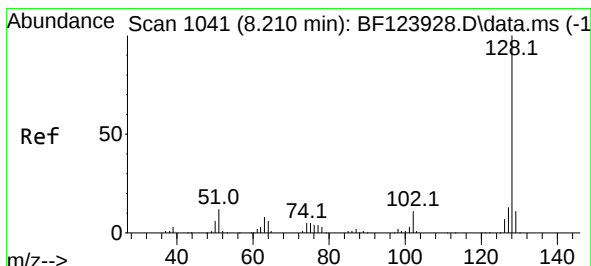
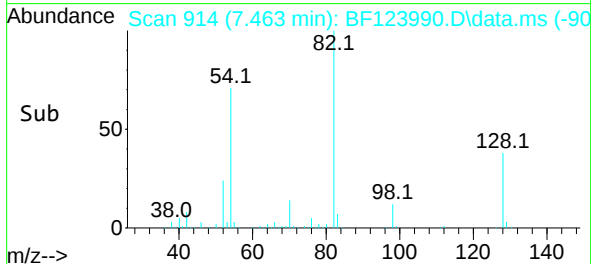
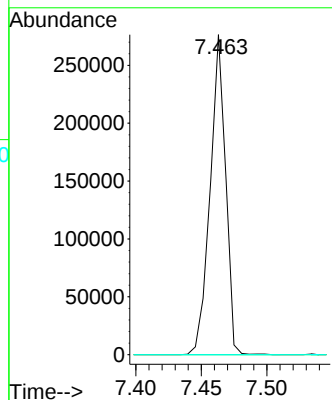
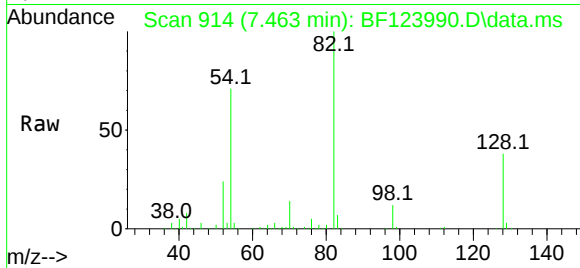




#25
Isophorone
Concen: 31.57 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

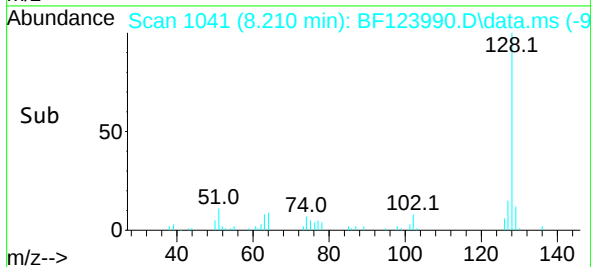
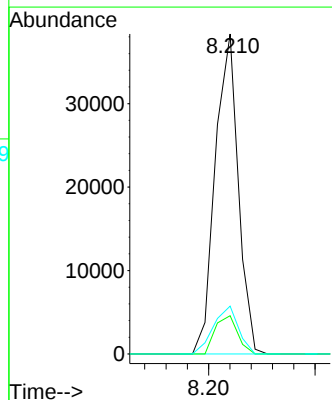
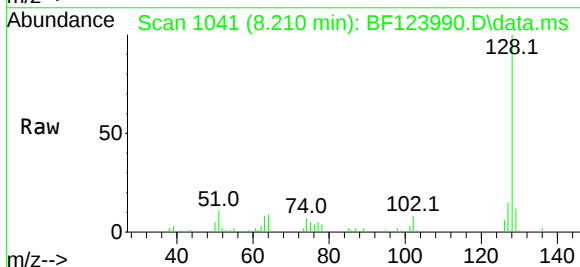
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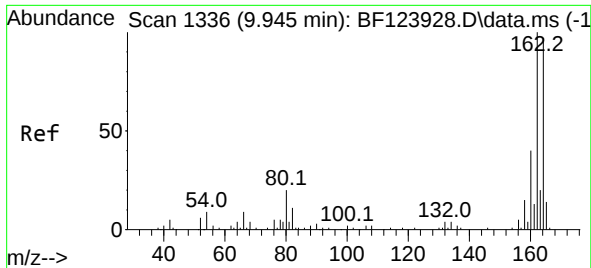
Tgt Ion: 82 Resp: 227526
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 3.01 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

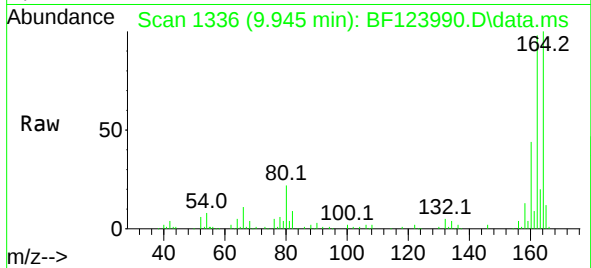
Tgt Ion: 128 Resp: 28793
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 15.0 10.8 16.2



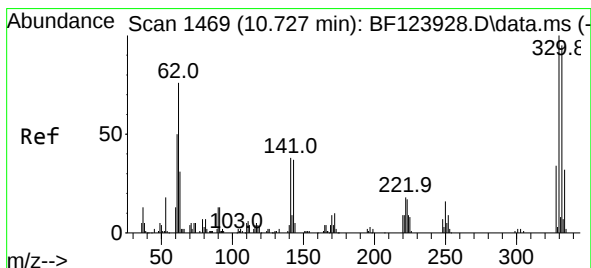
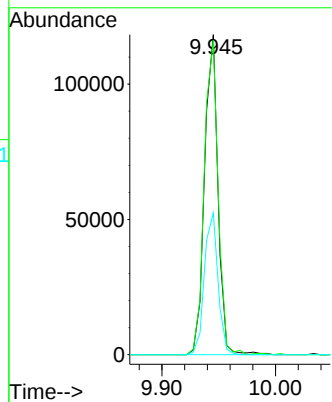
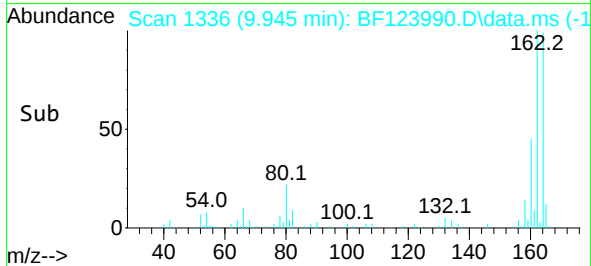


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

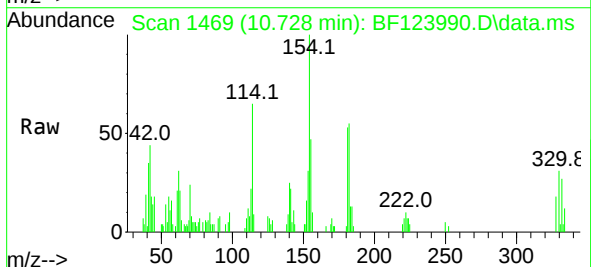
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JG-SPOILS-5-11-21-ARX



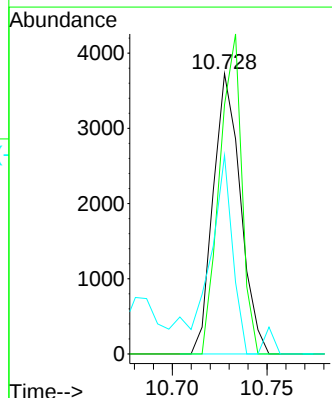
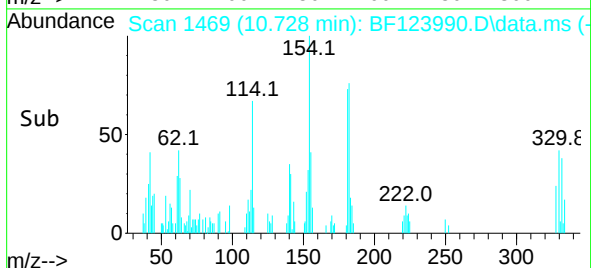
Tgt Ion:164 Resp: 96995
Ion Ratio Lower Upper
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162 98.2 80.7 121.1
160 44.3 37.3 55.9

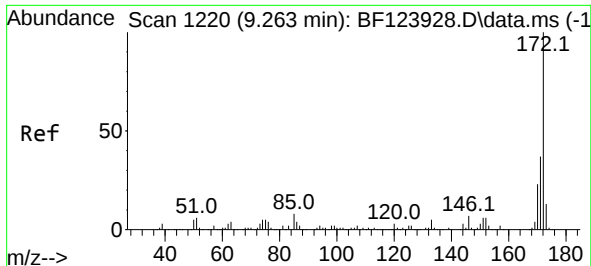


#42
2,4,6-Tribromophenol
Concen: 3.19 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04



Tgt Ion:330 Resp: 3722
Ion Ratio Lower Upper
330 100
332 92.6 77.1 115.7
141 63.0 27.9 41.9#

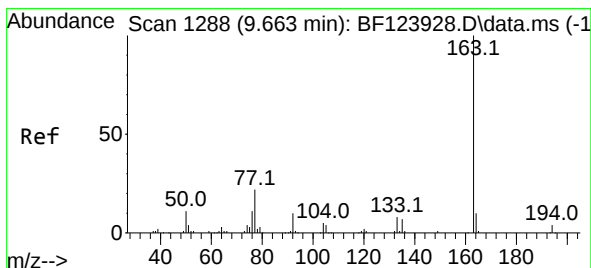
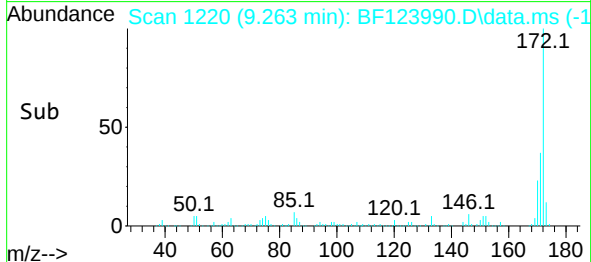
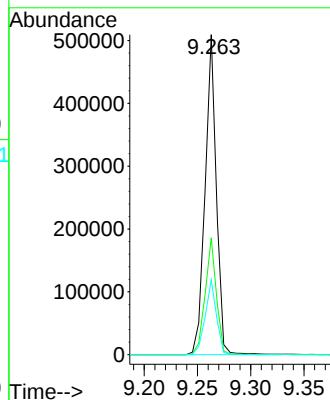
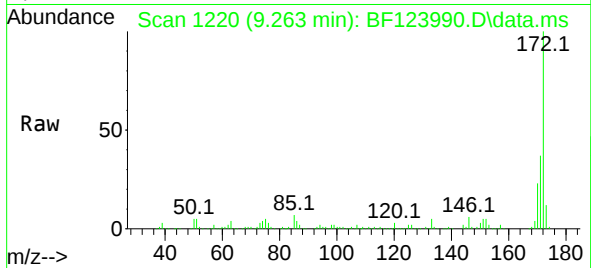




#45
2-Fluorobiphenyl
Concen: 47.63 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

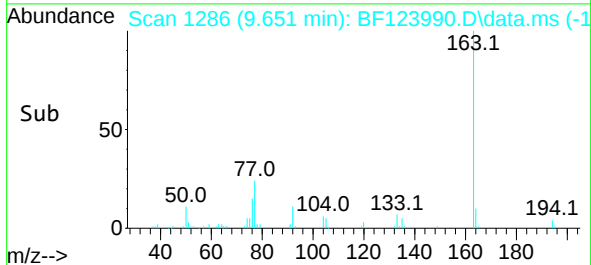
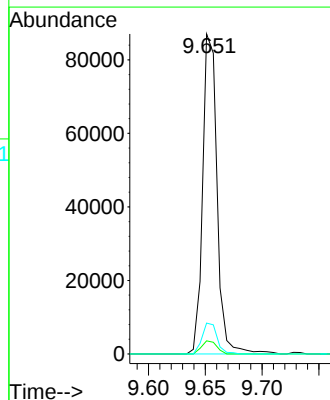
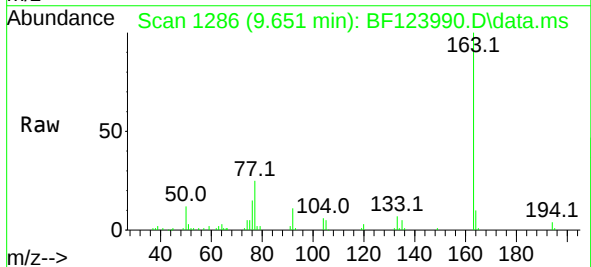
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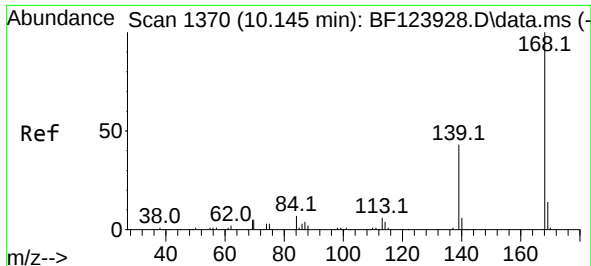
Tgt Ion:172 Resp: 375412
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 23.4 19.2 28.8



#50
Dimethylphthalate
Concen: 9.94 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:163 Resp: 76994
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.7 8.2 12.2

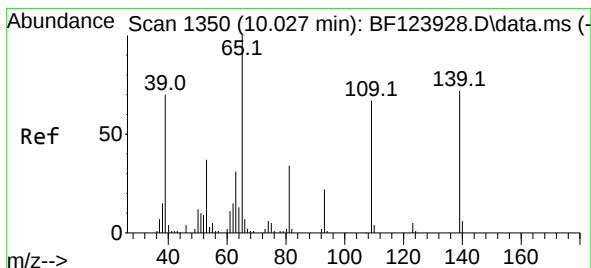
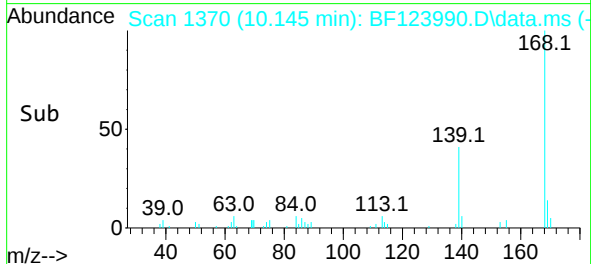
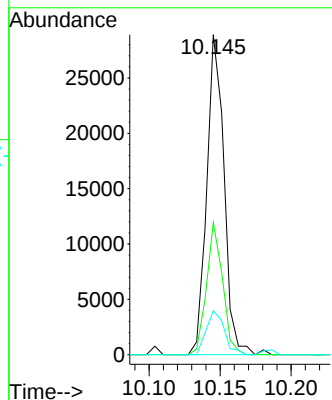
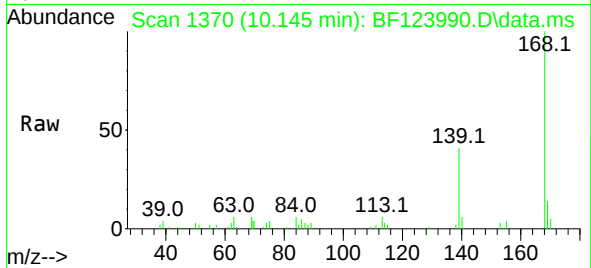




#55
Dibenzenofuran
Concen: 2.49 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

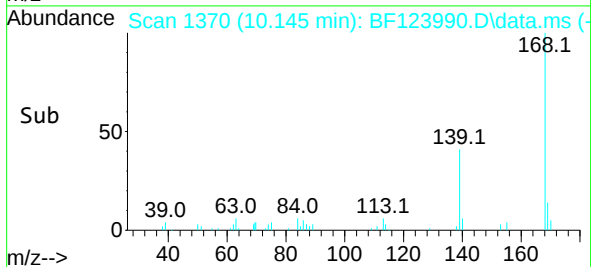
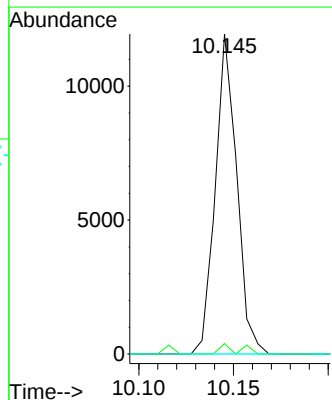
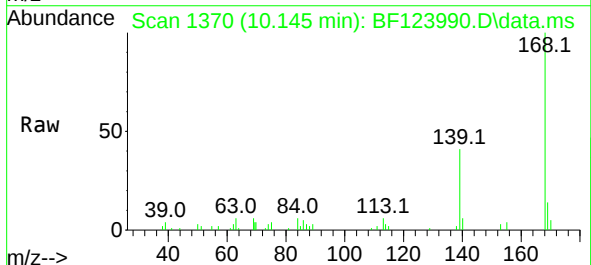
Instrument :
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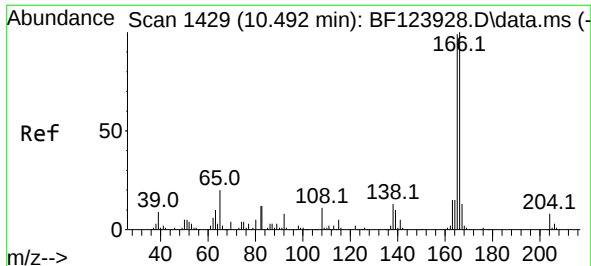
Tgt Ion:168 Resp: 24495
Ion Ratio Lower Upper
168 100
139 41.3 33.2 49.8
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 7.30 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:139 Resp: 9393
Ion Ratio Lower Upper
139 100
109 3.2 63.2 103.2#
65 0.0 110.0 150.0#

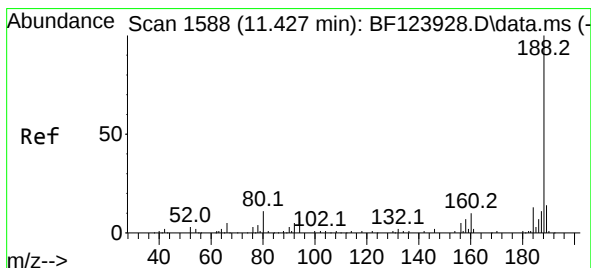
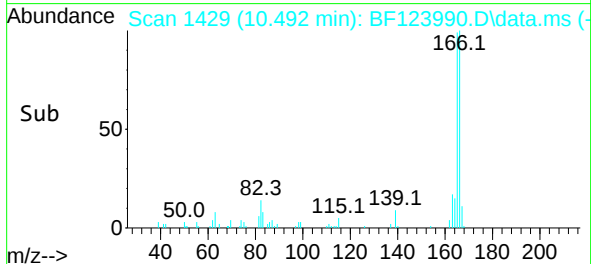
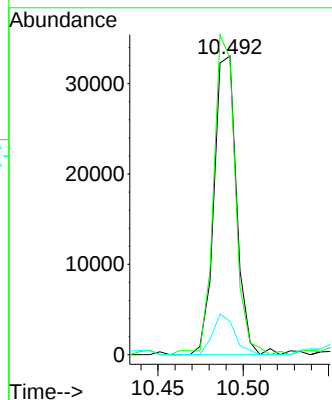
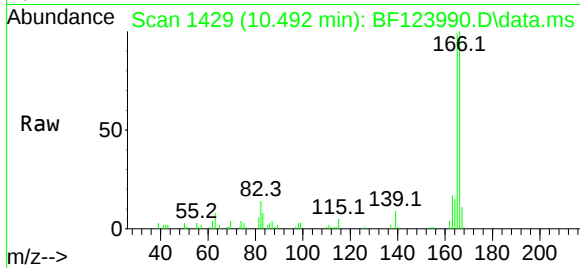




#58
Fluorene
Concen: 4.07 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

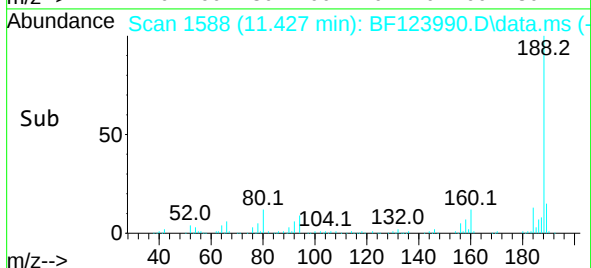
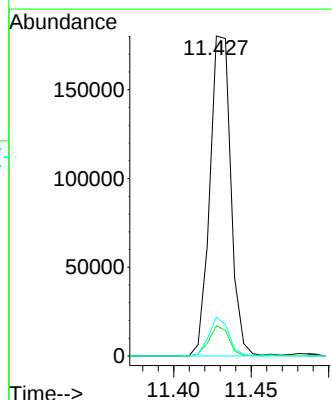
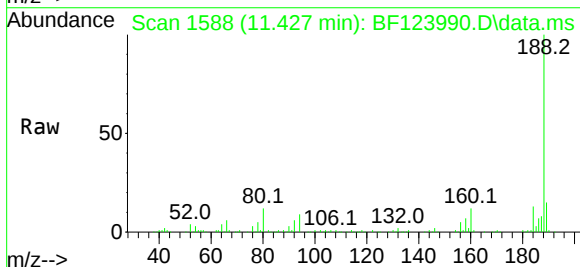
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

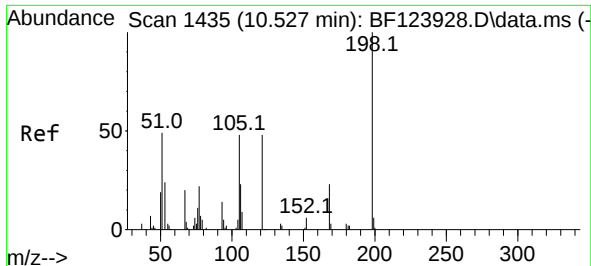
Tgt Ion:166 Resp: 30255
Ion Ratio Lower Upper
166 100
165 99.1 73.5 110.3
167 11.2 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:188 Resp: 170112
Ion Ratio Lower Upper
188 100
94 9.4 6.9 10.3
80 12.1 8.2 12.2

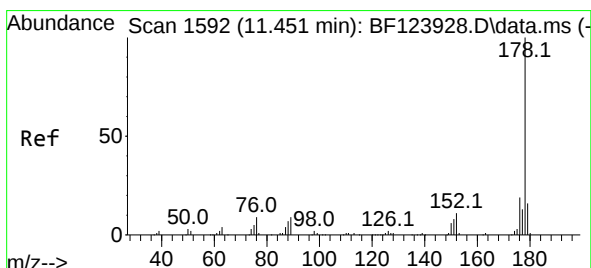
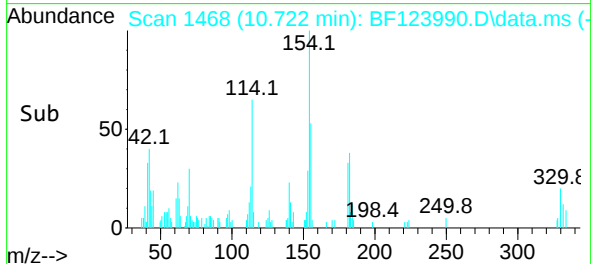
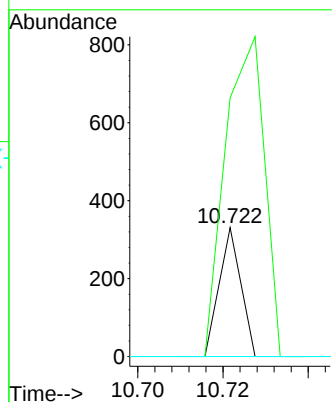
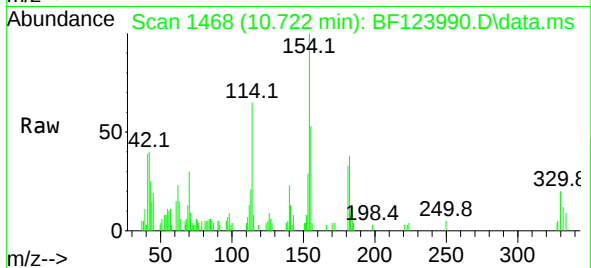




#65
4,6-Dinitro-2-methylphenol
Concen: 5.53 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.195 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

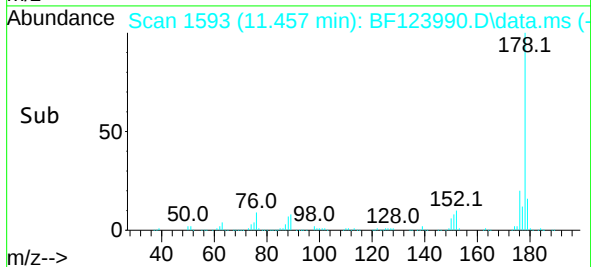
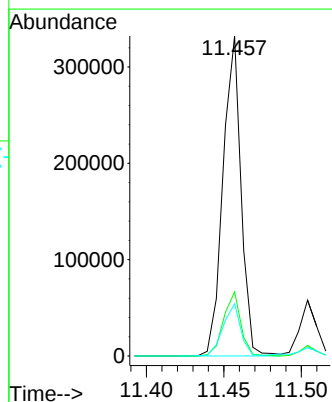
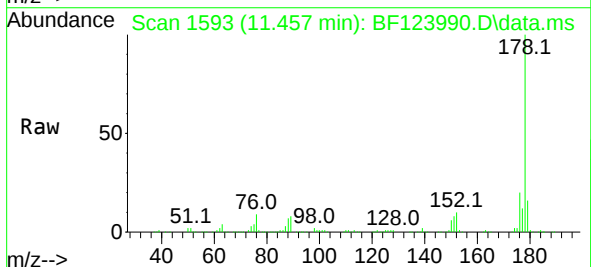
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

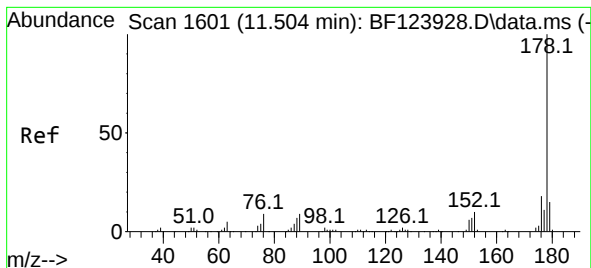
Tgt Ion:198 Resp: 117
Ion Ratio Lower Upper
198 100
51 200.6 64.8 104.8#
105 0.0 42.6 82.6#



#71
Phenanthrene
Concen: 24.96 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:178 Resp: 269134
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.3 12.5 18.7

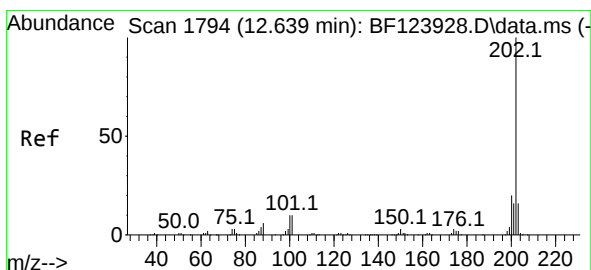
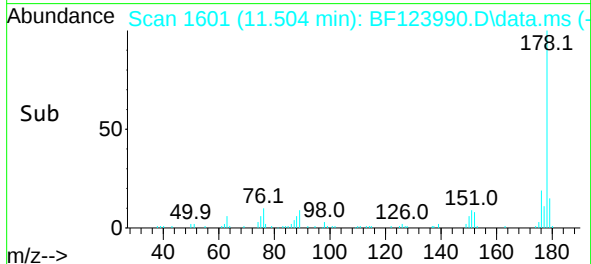
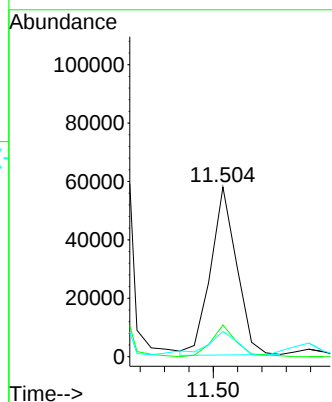
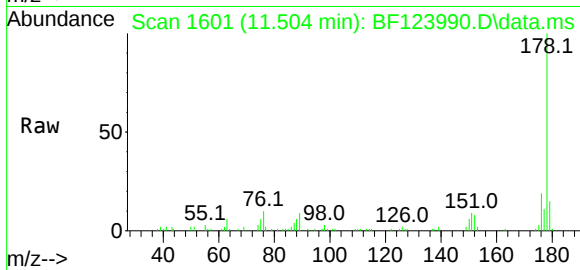




#72
 Anthracene
 Concen: 3.90 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. 0.000 min
 Lab File: BF123990.D
 Acq: 19 May 2021 15:04

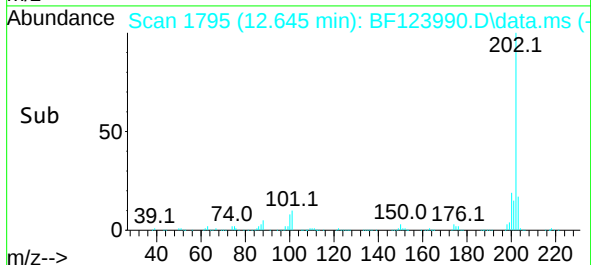
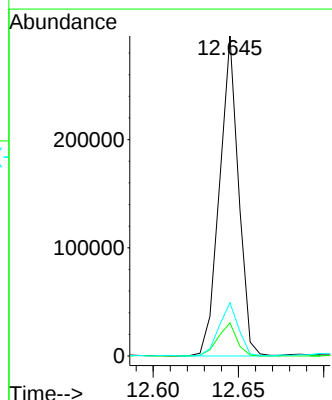
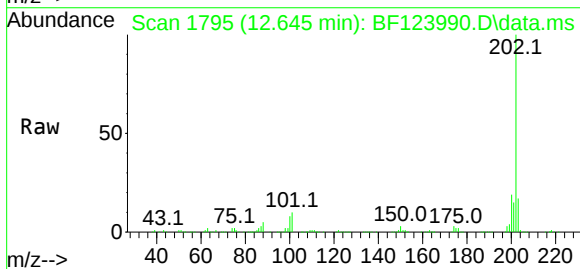
Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-ARX

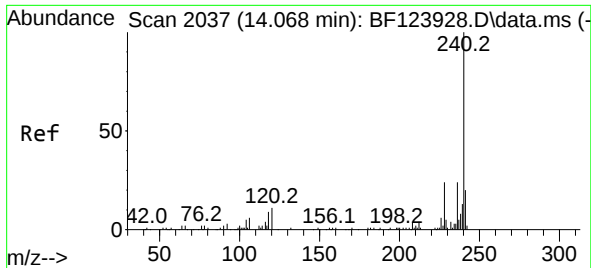
Tgt Ion:178 Resp: 42605
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 14.9 12.6 18.8



#75
 Fluoranthene
 Concen: 20.56 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF123990.D
 Acq: 19 May 2021 15:04

Tgt Ion:202 Resp: 229567
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.9
 203 16.7 0.0 37.5

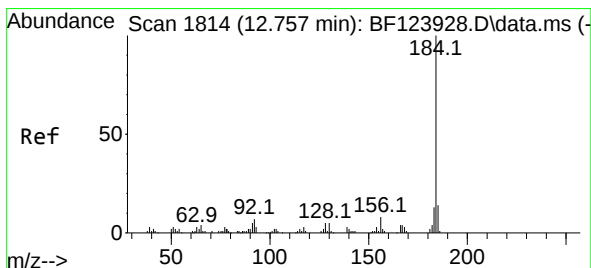
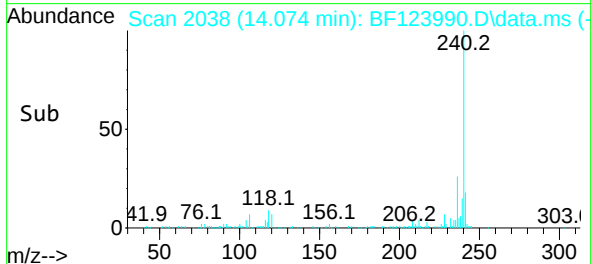
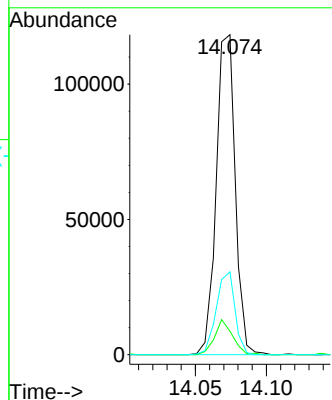
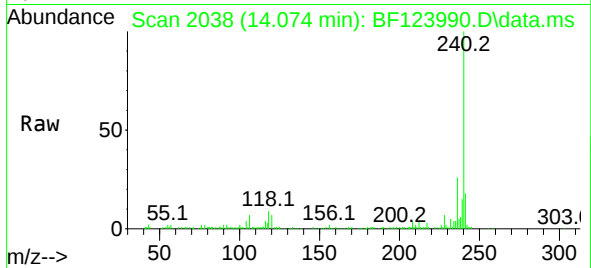




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

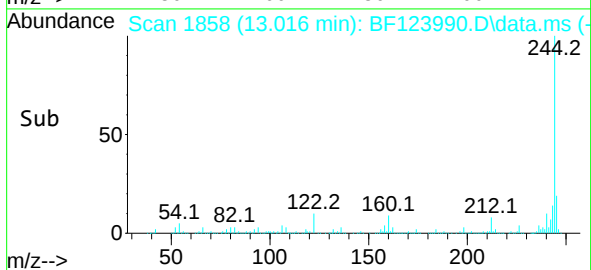
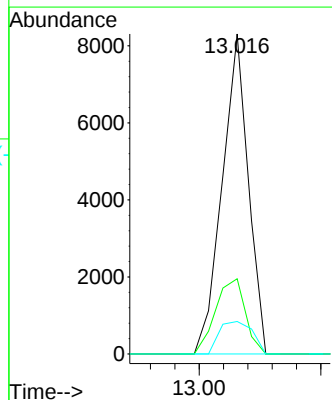
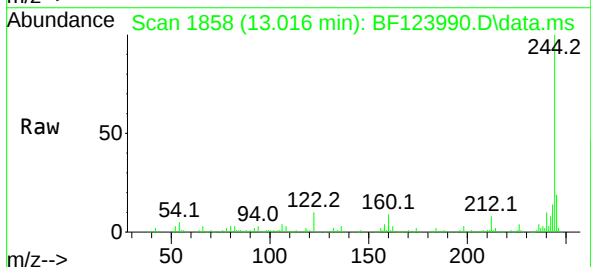
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

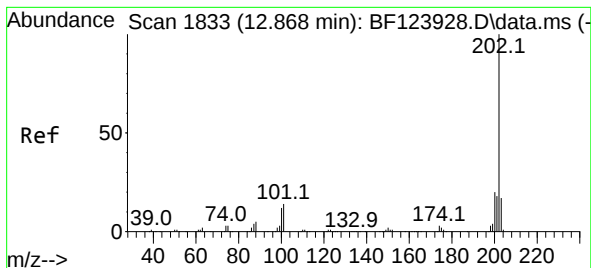
Tgt Ion:240 Resp: 110211
Ion Ratio Lower Upper
240 100
120 7.3 7.2 10.8
236 25.9 19.0 28.4



#77
Benzidine
Concen: 2.33 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:184 Resp: 6186
Ion Ratio Lower Upper
184 100
185 23.5 12.1 18.1#
183 10.1 7.8 11.8





#78

Pyrene

Concen: 18.55 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF123990.D

Acq: 19 May 2021 15:04

Tgt Ion:202 Resp: 181505

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

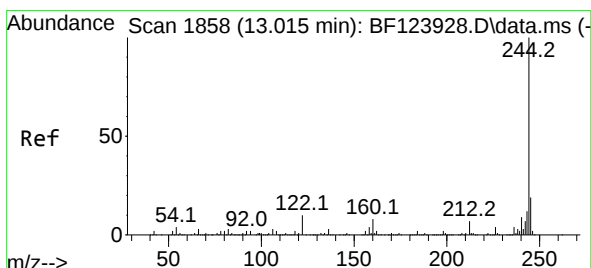
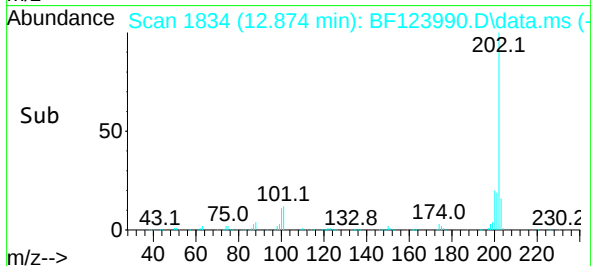
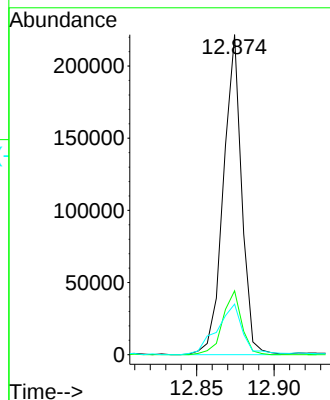
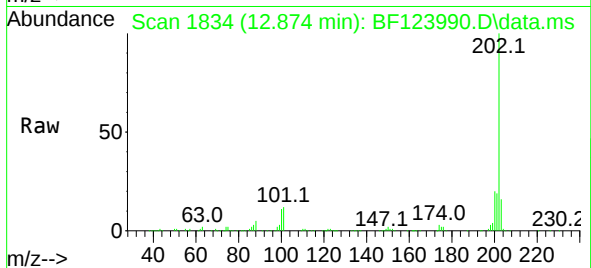
203 15.8 14.8 22.2

Instrument :

BNA_F

ClientSampleId :

JG-SPOILS-5-11-21-ARX



#79

Terphenyl-d14

Concen: 48.44 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.000 min

Lab File: BF123990.D

Acq: 19 May 2021 15:04

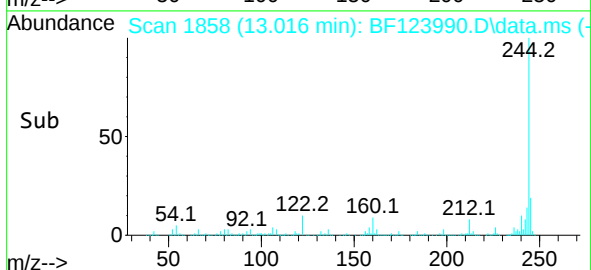
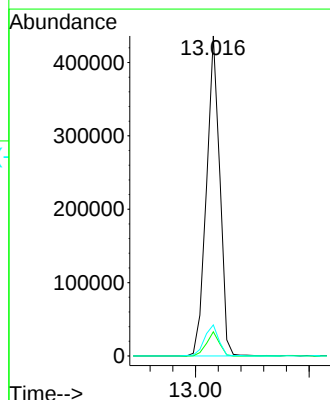
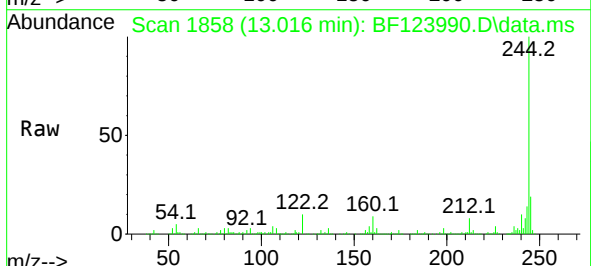
Tgt Ion:244 Resp: 352454

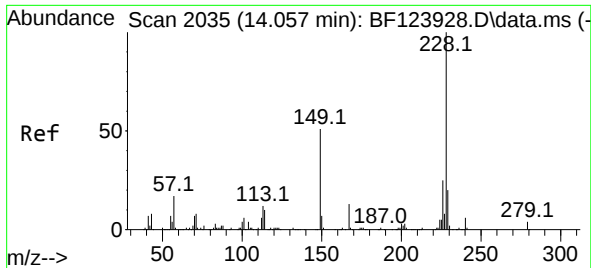
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 9.7 9.7 14.5

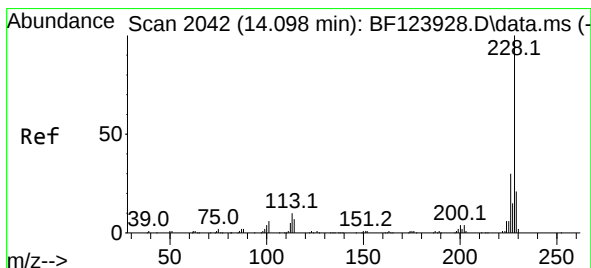
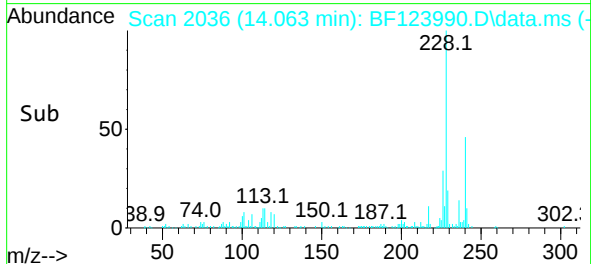
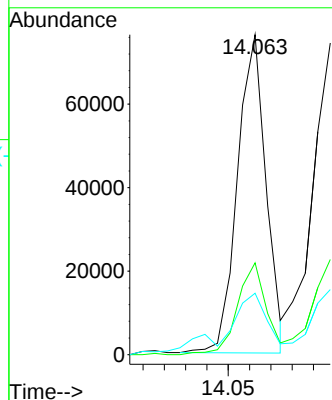
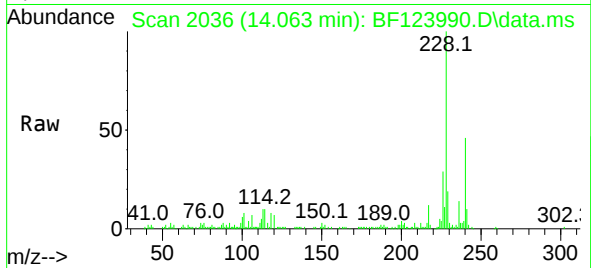




#81
Benzo(a)anthracene
Concen: 8.92 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

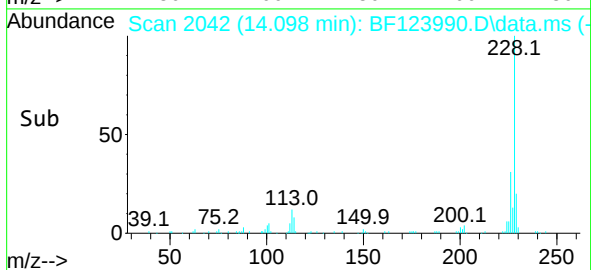
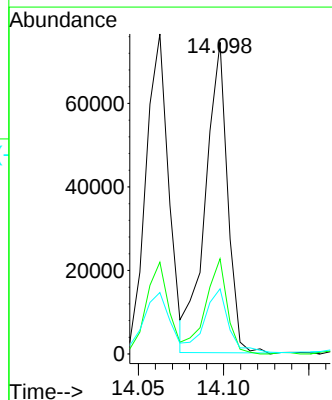
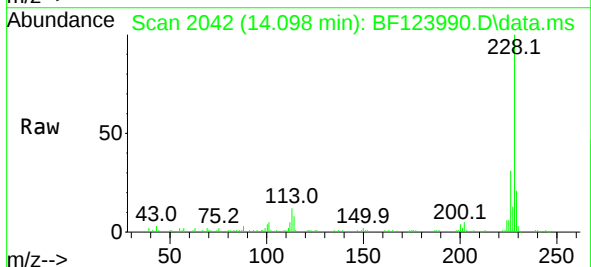
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

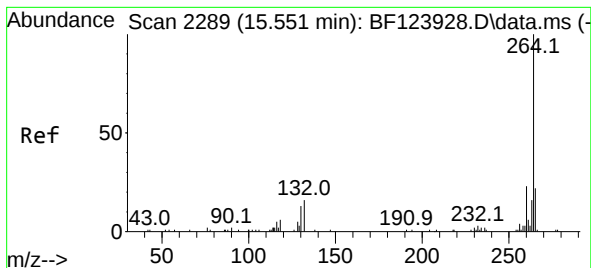
Tgt Ion:228 Resp: 71083
Ion Ratio Lower Upper
228 100
226 28.7 22.4 33.6
229 19.2 16.0 24.0



#83
Chrysene
Concen: 8.75 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:228 Resp: 67047
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.9 16.2 24.2

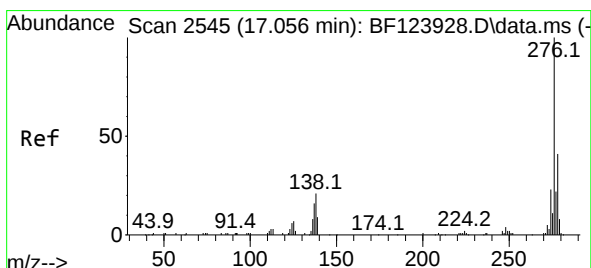
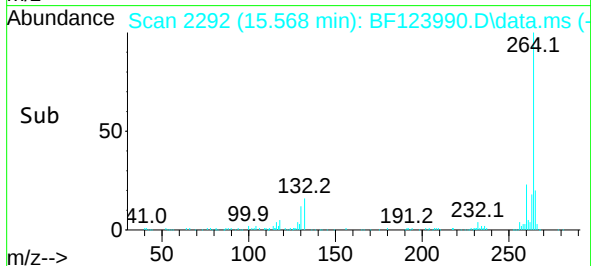
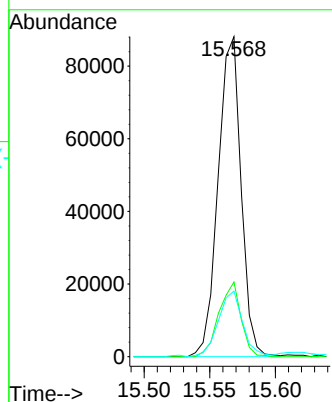
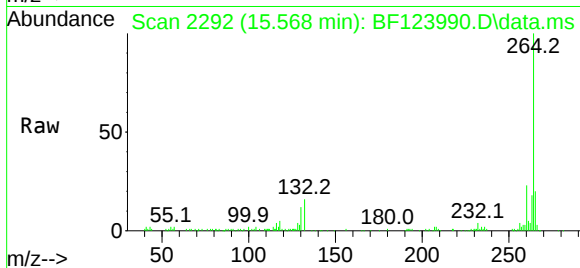




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

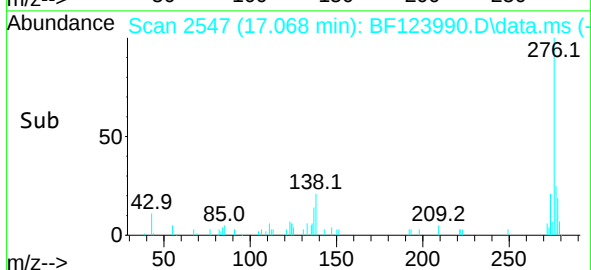
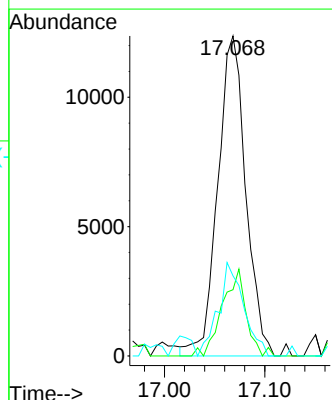
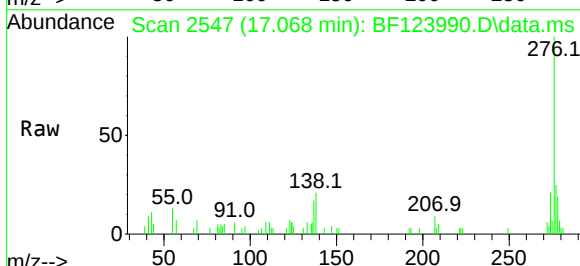
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-ARX

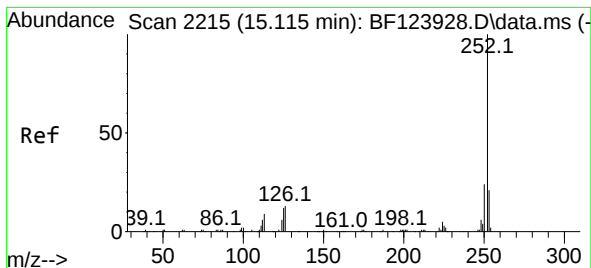
Tgt Ion:264 Resp: 107130
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 20.5 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.90 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:276 Resp: 24015
Ion Ratio Lower Upper
276 100
138 23.0 16.2 24.2
277 26.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 11.40 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF123990.D

Acq: 19 May 2021 15:04

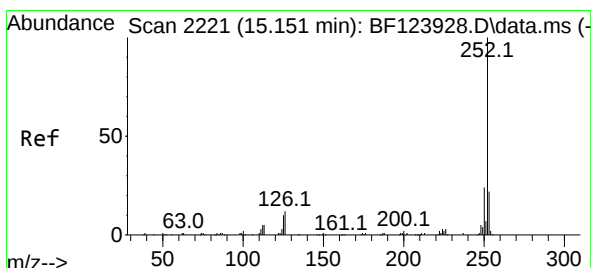
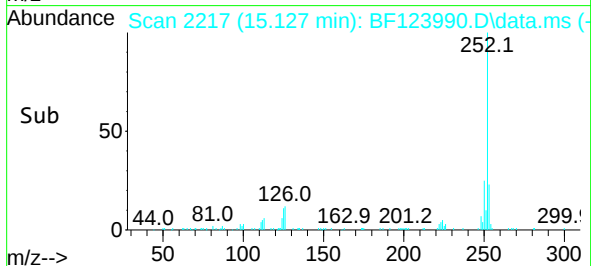
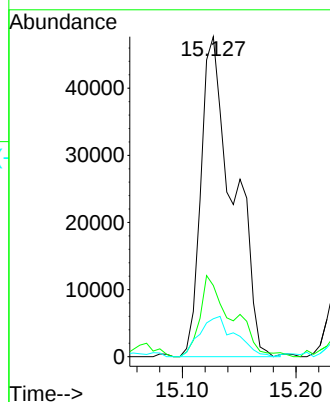
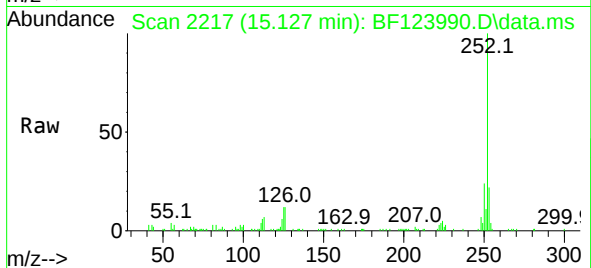
Tgt Ion:252 Resp: 94500
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.1 27.1
 125 11.9 6.2 9.4#

Instrument :

BNA_F

ClientSampleId :

JG-SPOILS-5-11-21-ARX



#89

Benzo(k)fluoranthene

Concen: 12.51 ng

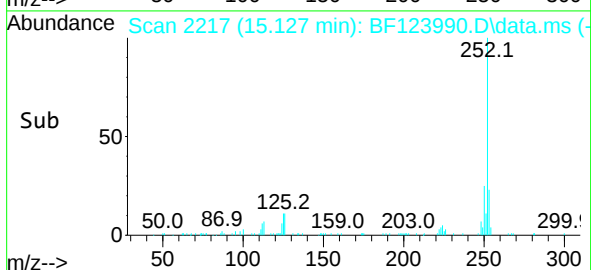
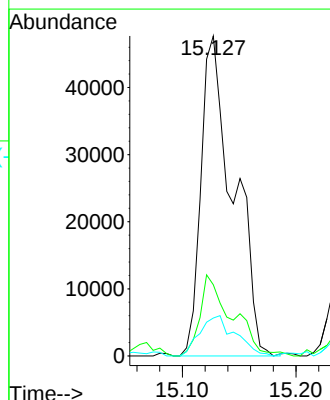
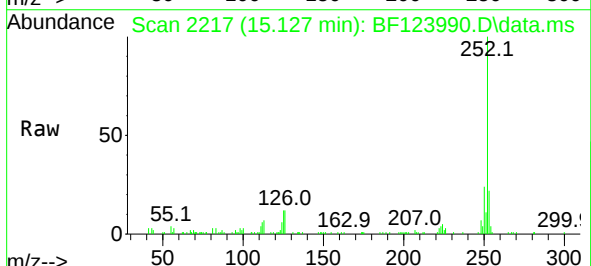
RT: 15.127 min Scan# 2217

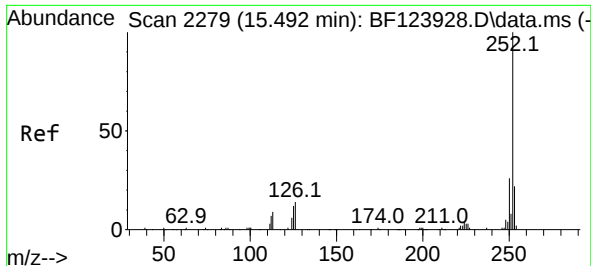
Delta R.T. -0.023 min

Lab File: BF123990.D

Acq: 19 May 2021 15:04

Tgt Ion:252 Resp: 94500
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.9 26.9
 125 11.9 7.0 10.6#

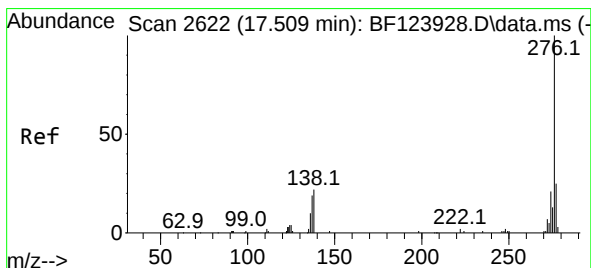
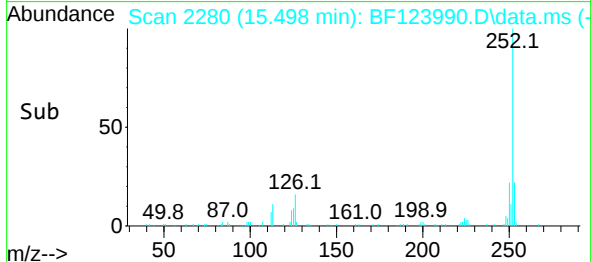
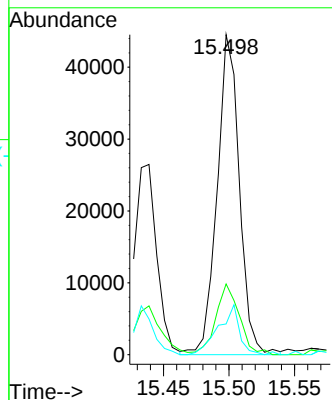
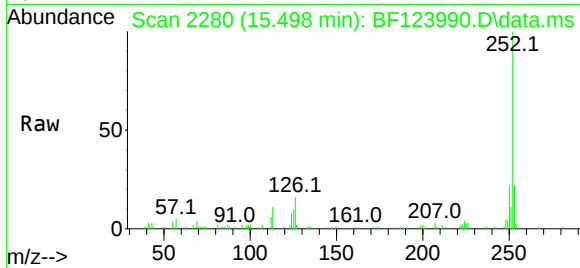




#90
Benzo(a)pyrene
Concen: 7.33 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

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

Tgt Ion:252	Resp:	52533
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	9.6	8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 2.92 ng
RT: 17.521 min Scan# 2624
Delta R.T. 0.012 min
Lab File: BF123990.D
Acq: 19 May 2021 15:04

Tgt Ion:276	Resp:	20426
Ion Ratio	Lower	Upper
276	100	
277	16.3	18.2 27.2#
138	15.5	13.8 20.6

