

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122194.D
 Acq On : 30 Oct 2020 22:23
 Operator : JU/CG
 Sample : L4565-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-063-A

Quant Time: Oct 31 02:58:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

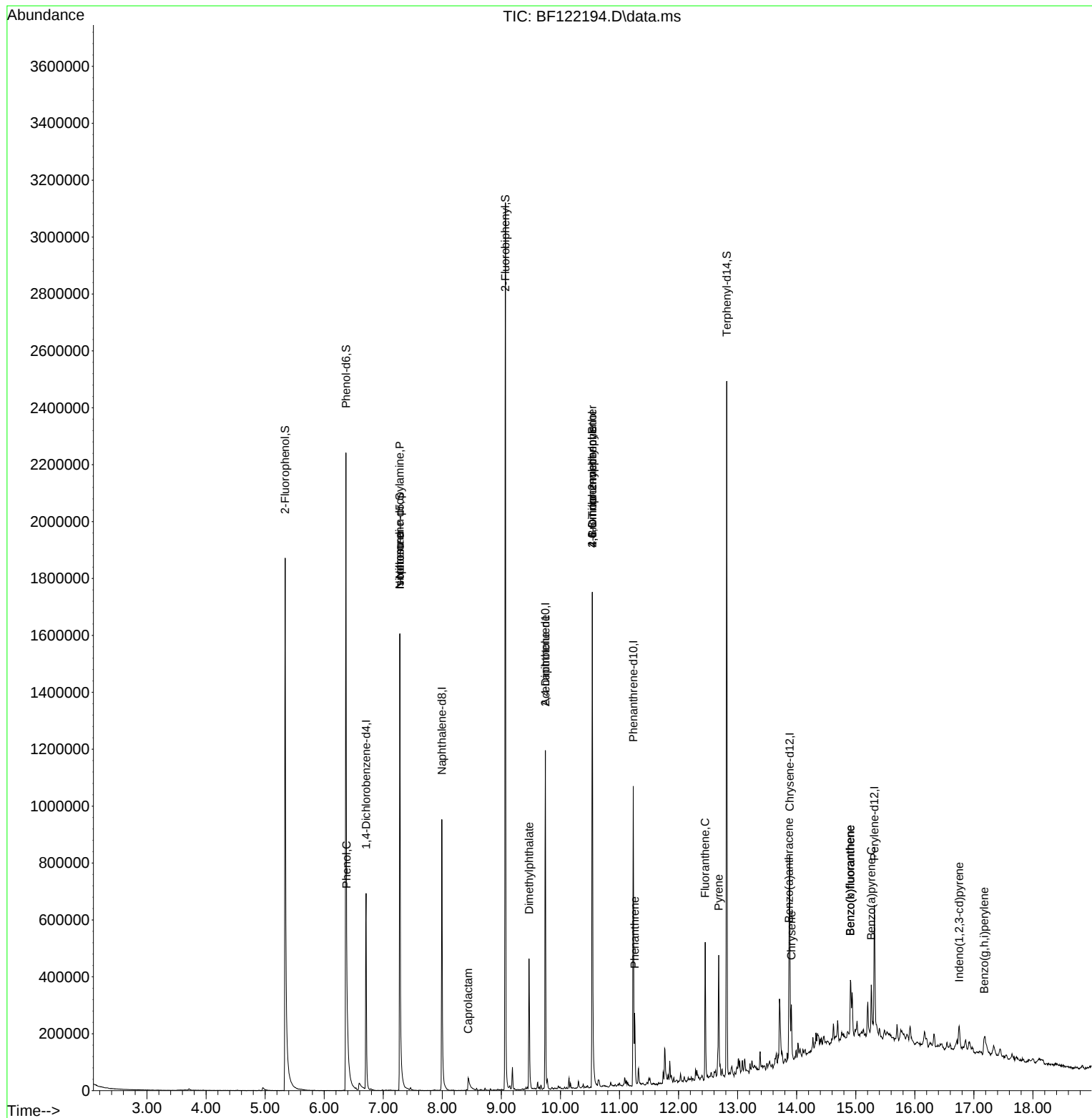
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	110164	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	448431	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	225332	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	367890	20.00	ng	0.00
76) Chrysene-d12	13.880	240	220829	20.00	ng	0.00
86) Perylene-d12	15.315	264	225723	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	678994	90.97	ng	0.00
7) Phenol-d6	6.369	99	844769	87.92	ng	0.00
23) Nitrobenzene-d5	7.281	82	554447	63.41	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	225641	80.95	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	938879	61.31	ng	0.00
79) Terphenyl-d14	12.815	244	703523	60.71	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	1674	Below Cal	#	3
10) Phenol	6.381	94	47540	4.79	ng	90
19) n-Nitroso-di-n-propyla...	7.281	70	73942	13.52	ng	# 80
25) Isophorone	7.281	82	554447	33.53	ng	# 67
35) Caprolactam	8.439	113	9725	4.46	ng	# 83
50) Dimethylphthalate	9.469	163	187817	11.40	ng	99
57) 2,4-Dinitrotoluene	9.745	165	28725	6.46	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.539	198	449	4.60	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13306	3.13	ng	# 1
71) Phenanthrene	11.257	178	100877	5.00	ng	99
75) Fluoranthene	12.451	202	188104	8.70	ng	98
78) Pyrene	12.680	202	164330	9.76	ng	99
81) Benzo(a)anthracene	13.868	228	85626	5.92	ng	98
83) Chrysene	13.909	228	79414	5.59	ng	98
87) Indeno(1,2,3-cd)pyrene	16.750	276	61186	4.17	ng	# 91
88) Benzo(b)fluoranthene	14.909	252	149692	9.81	ng	# 98
89) Benzo(k)fluoranthene	14.909	252	149692	10.33	ng	# 97
90) Benzo(a)pyrene	15.262	252	82232	6.24	ng	96
92) Benzo(g,h,i)perylene	17.174	276	56625	4.69	ng	96

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

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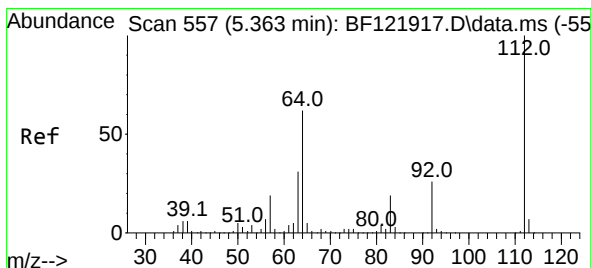
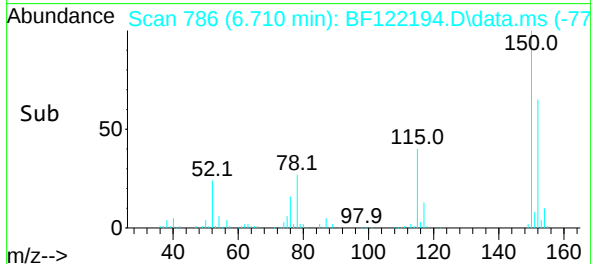
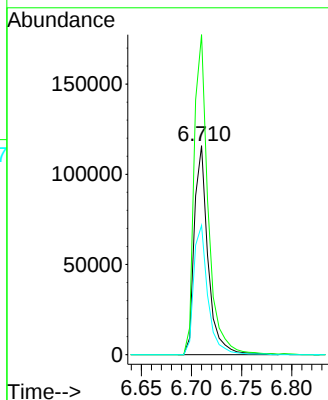
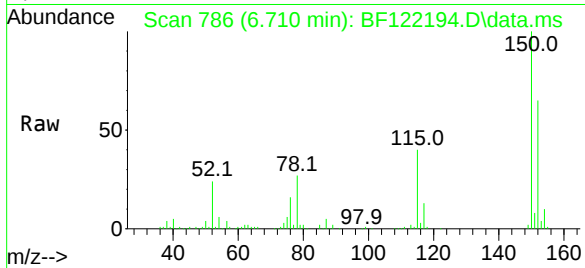




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122194.D
 Acq: 30 Oct 2020 22:23

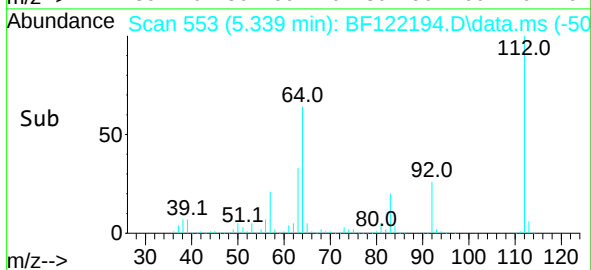
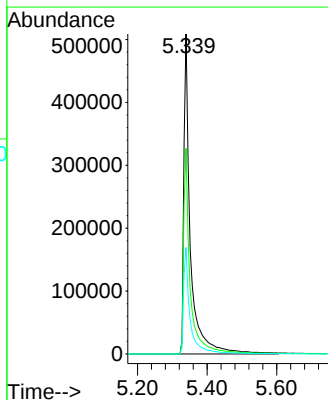
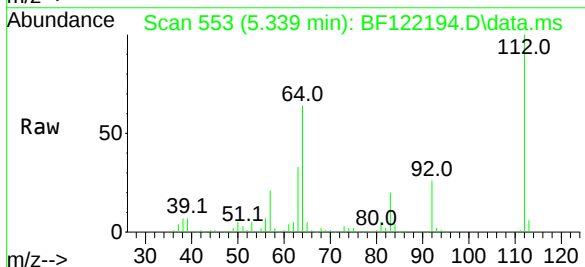
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-063-A

Tgt Ion:152 Resp: 110164
 Ion Ratio Lower Upper
 152 100
 150 153.2 125.3 187.9
 115 61.9 51.9 77.9



#5
 2-Fluorophenol
 Concen: 90.97 ng
 RT: 5.339 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122194.D
 Acq: 30 Oct 2020 22:23

Tgt Ion:112 Resp: 678994
 Ion Ratio Lower Upper
 112 100
 64 64.3 50.4 75.6
 63 33.3 25.8 38.6

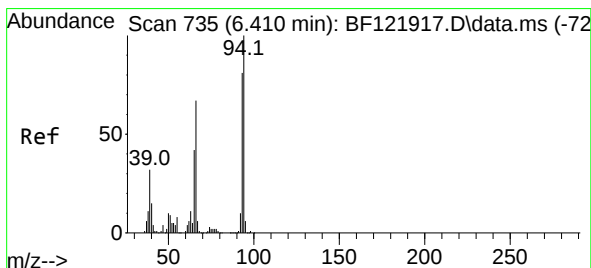
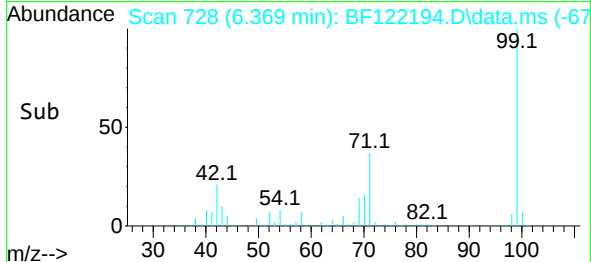
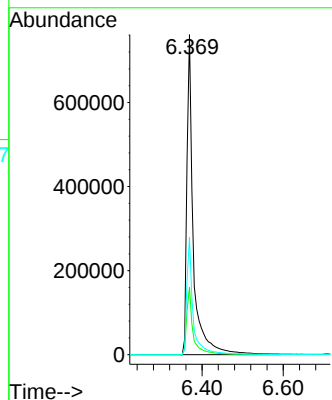
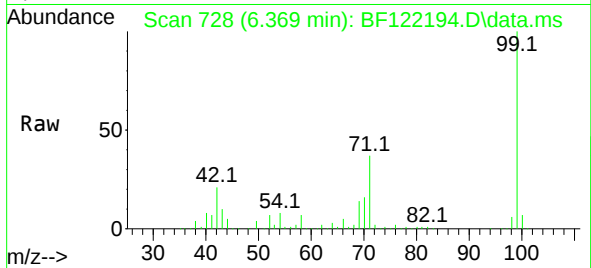




#7
Phenol-d6
Concen: 87.92 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

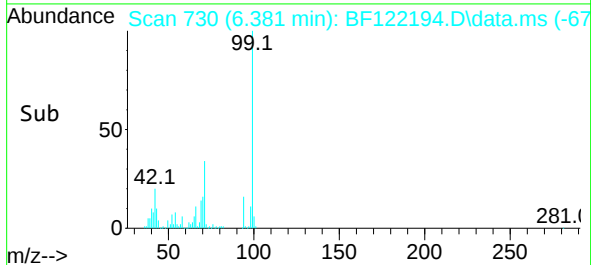
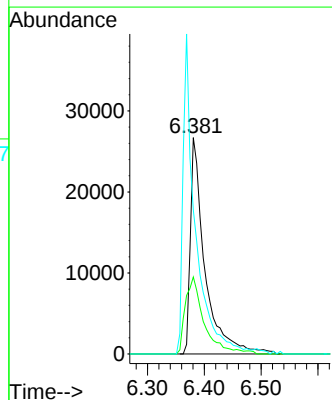
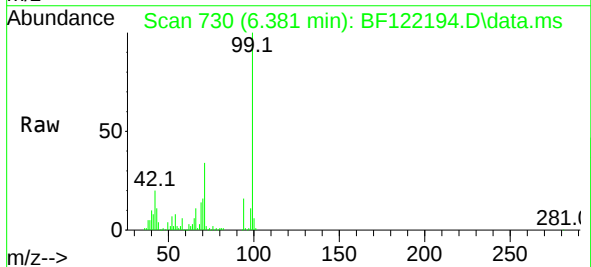
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ClientSampleId :
FK-GF-02-063-A

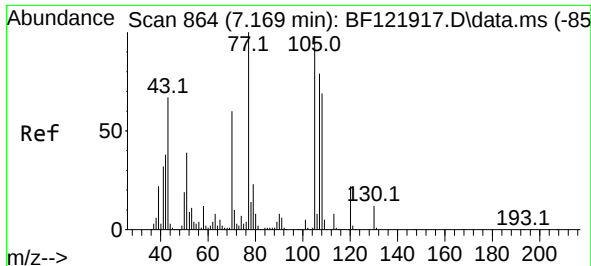
Tgt Ion: 99 Resp: 844769
Ion Ratio Lower Upper
99 100
42 21.1 15.9 23.9
71 36.6 27.1 40.7



#10
Phenol
Concen: 4.79 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion: 94 Resp: 47540
Ion Ratio Lower Upper
94 100
65 35.6 17.1 57.1
66 66.6 36.0 76.0

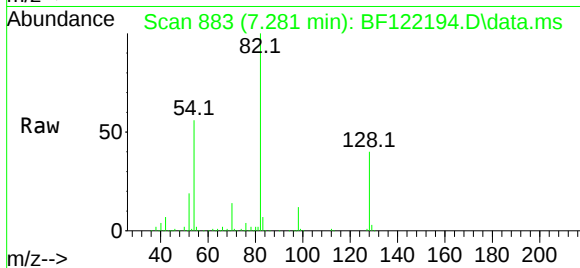




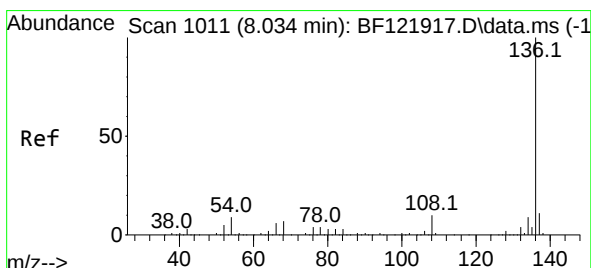
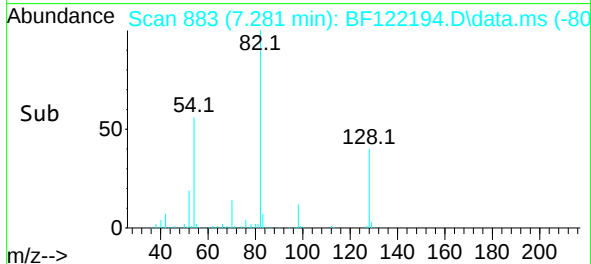
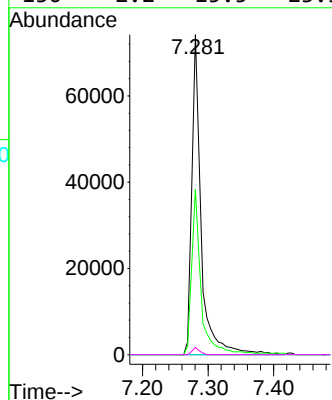
#19

n-Nitroso-di-n-propylamine
Concen: 13.52 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A



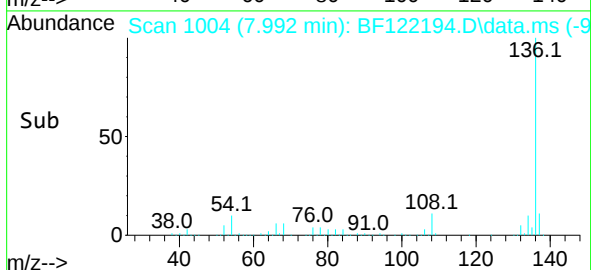
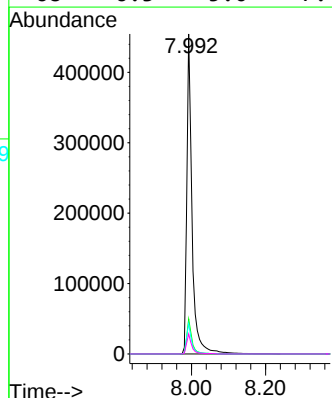
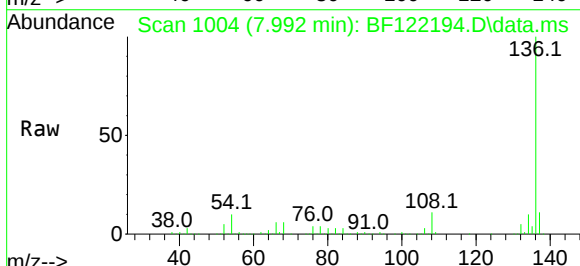
Tgt Ion:	70	Resp:	73942
Ion	Ratio	Lower	Upper
70	100		
42	51.7	50.2	75.4
101	0.0	7.5	11.3#
130	2.2	15.5	23.3#

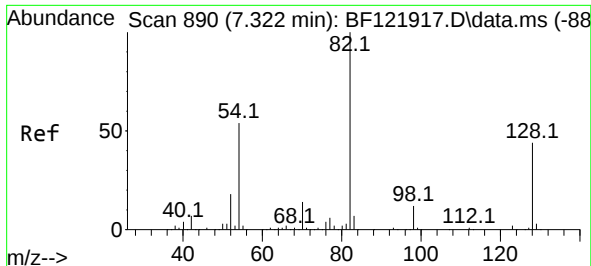


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:	136	Resp:	448431
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.5	7.1	10.7
68	6.3	5.0	7.4

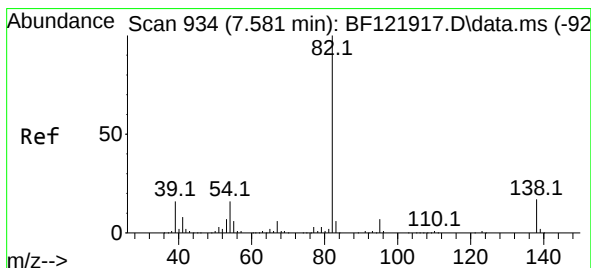
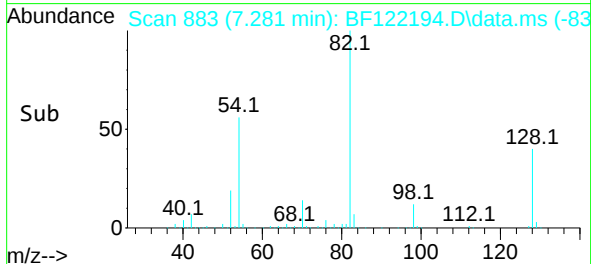
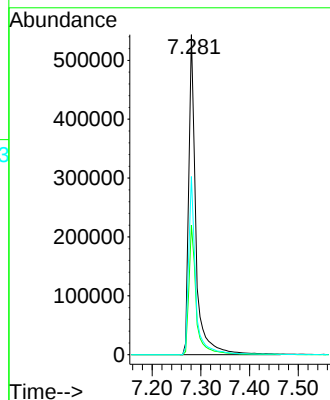
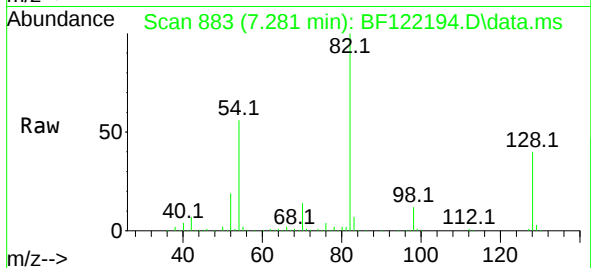




#23
Nitrobenzene-d5
Concen: 63.41 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

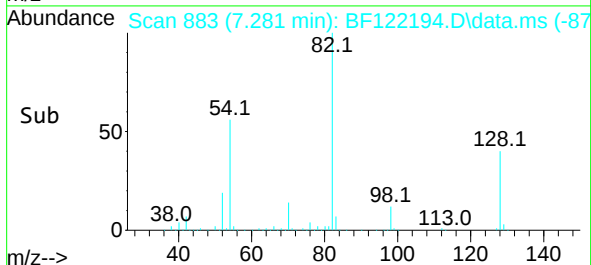
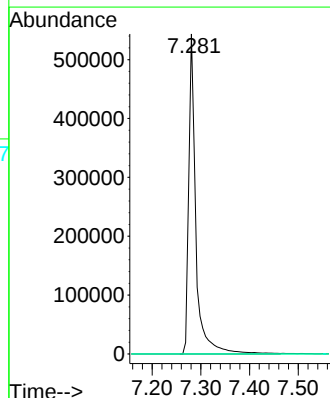
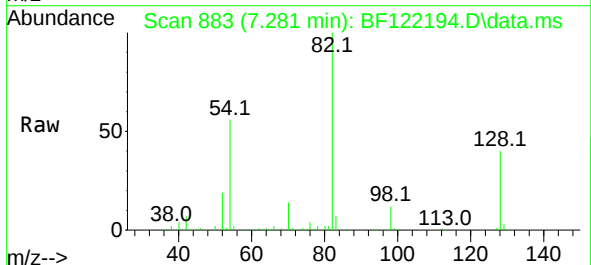
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

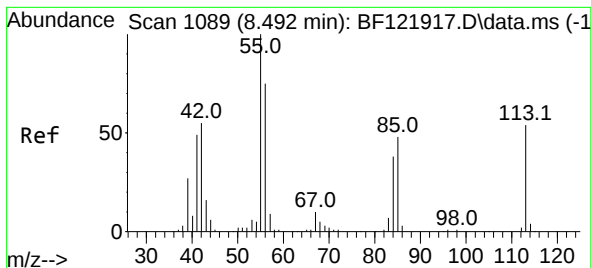
Tgt Ion: 82 Resp: 554447
Ion Ratio Lower Upper
82 100
128 40.5 35.0 52.4
54 55.6 43.9 65.9



#25
Isophorone
Concen: 33.53 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion: 82 Resp: 554447
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

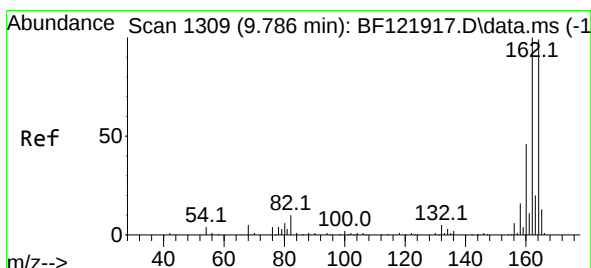
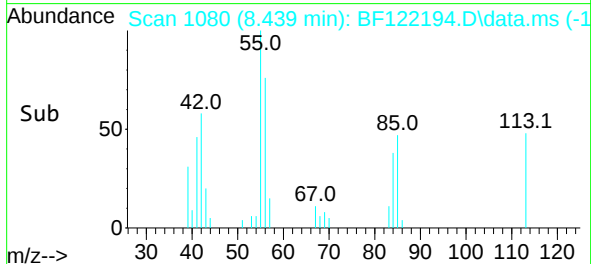
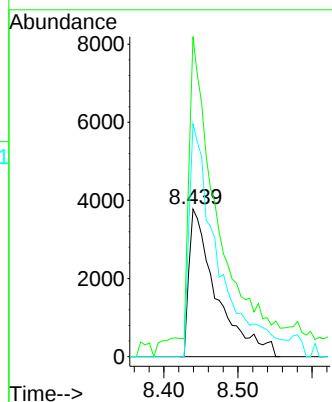
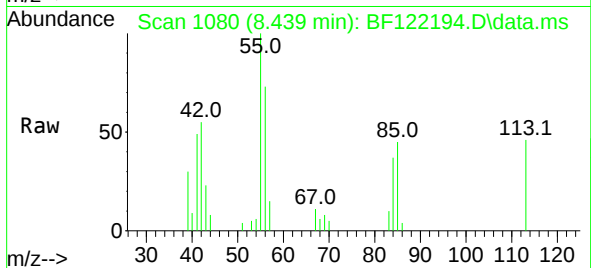




#35
 Caprolactam
 Concen: 4.46 ng
 RT: 8.439 min Scan# 1080
 Delta R.T. -0.024 min
 Lab File: BF122194.D
 Acq: 30 Oct 2020 22:23

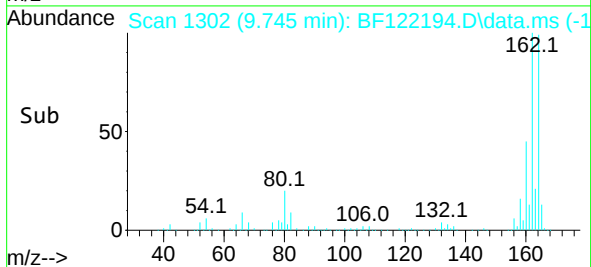
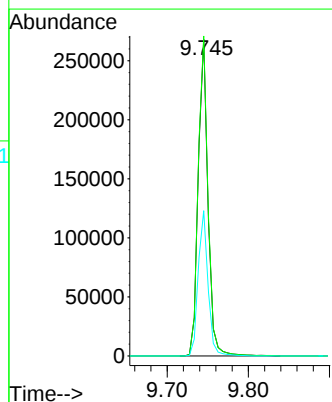
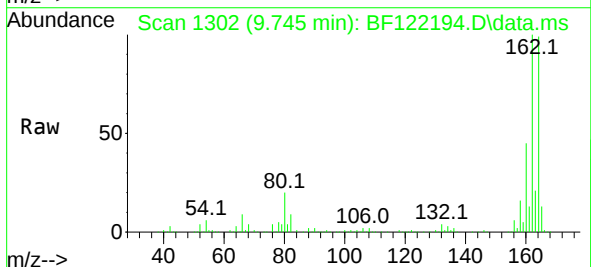
Instrument :
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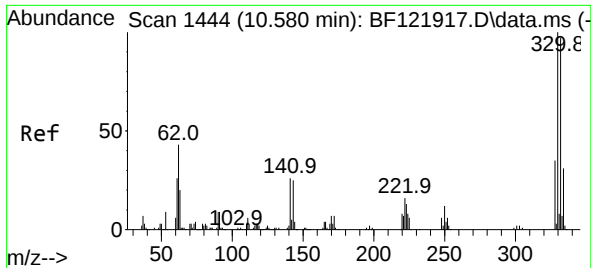
Tgt Ion:113 Resp: 9725
 Ion Ratio Lower Upper
 113 100
 55 217.0 167.5 207.5#
 56 157.9 121.2 161.2



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.745 min Scan# 1302
 Delta R.T. -0.006 min
 Lab File: BF122194.D
 Acq: 30 Oct 2020 22:23

Tgt Ion:164 Resp: 225332
 Ion Ratio Lower Upper
 164 100
 162 101.0 83.2 124.8
 160 45.9 37.5 56.3

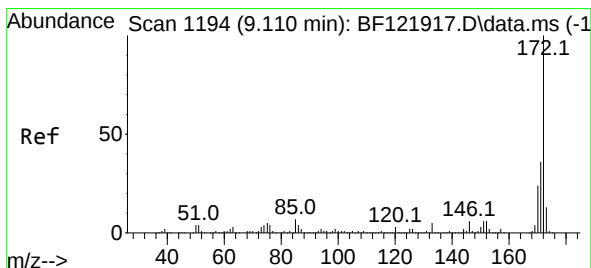
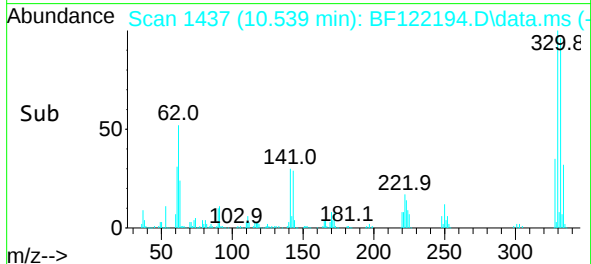
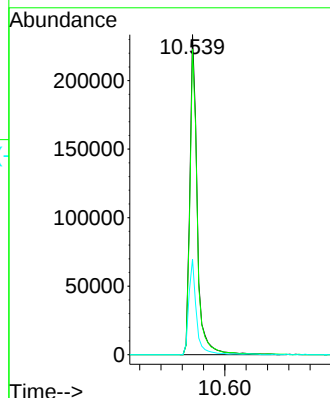
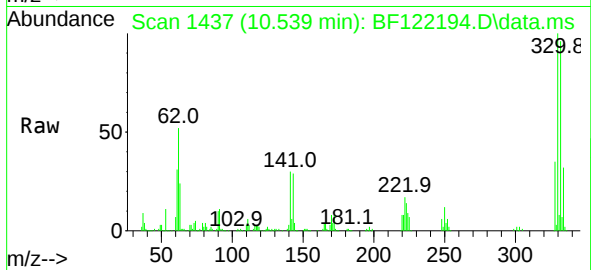




#42
2,4,6-Tribromophenol
Concen: 80.95 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

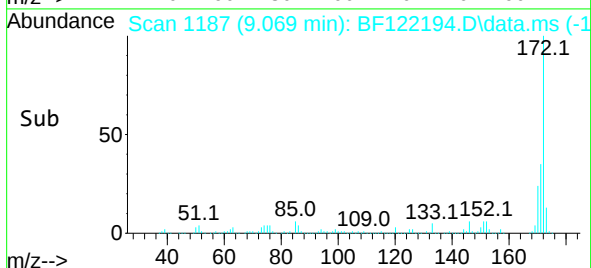
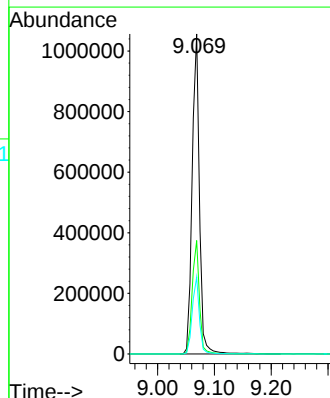
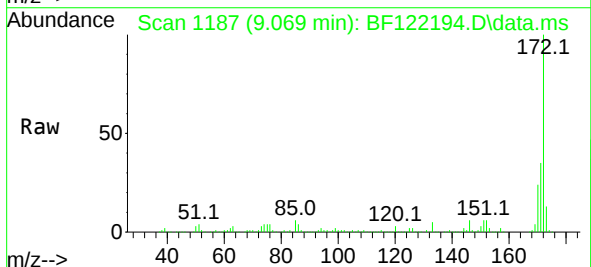
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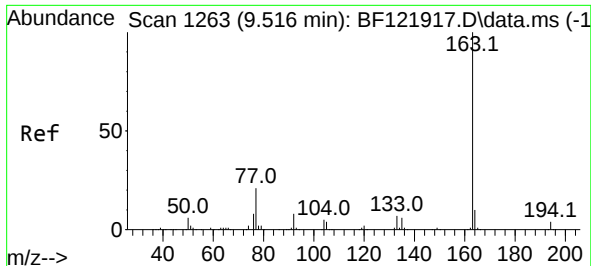
Tgt Ion: 330 Resp: 225641
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 30.2 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 61.31 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion: 172 Resp: 938879
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 24.1 19.8 29.6

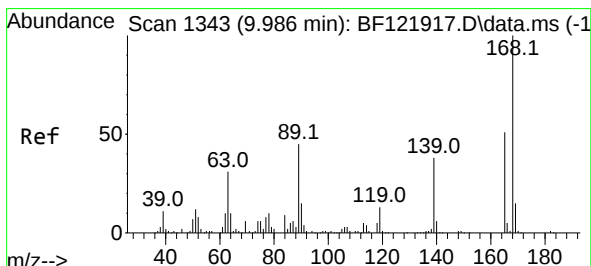
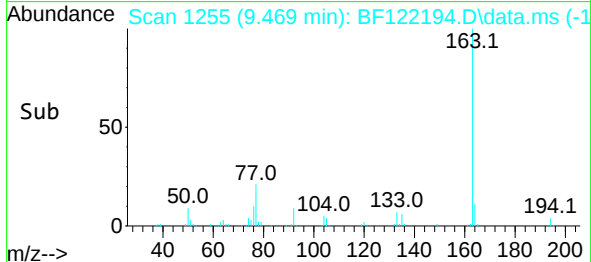
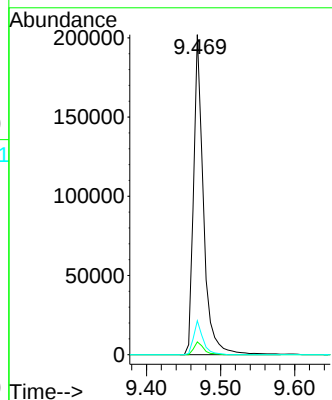
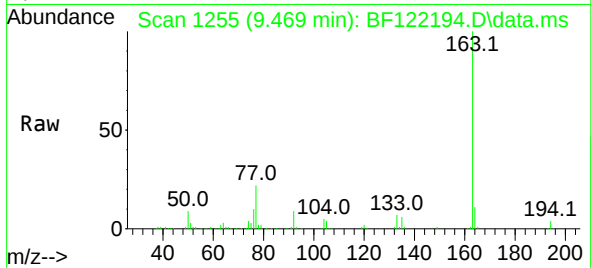




#50
Dimethylphthalate
Concen: 11.40 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

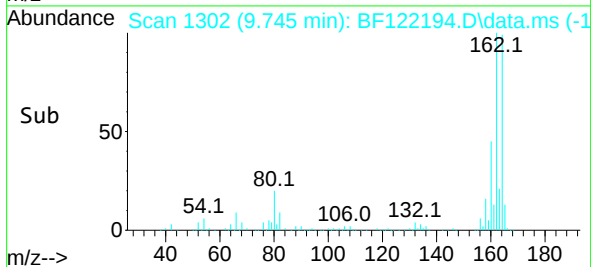
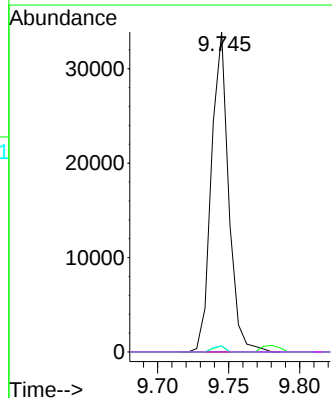
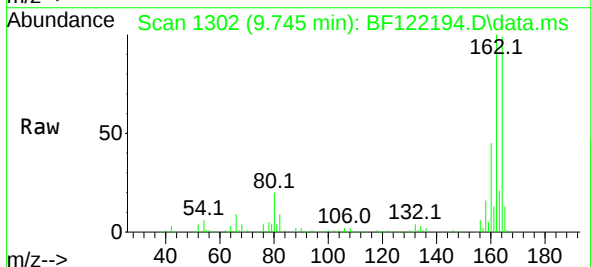
Instrument :
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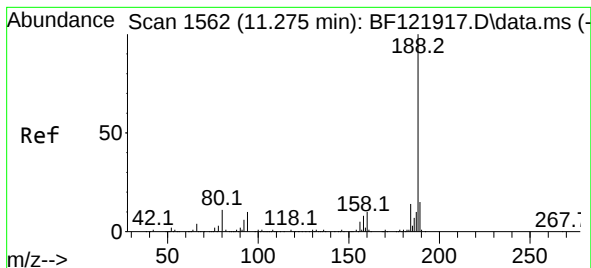
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Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.6 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:165 Resp: 28725
Ion Ratio Lower Upper
165 100
63 1.9 41.3 61.9#
89 1.9 61.8 92.8#
182 0.0 2.1 3.1#

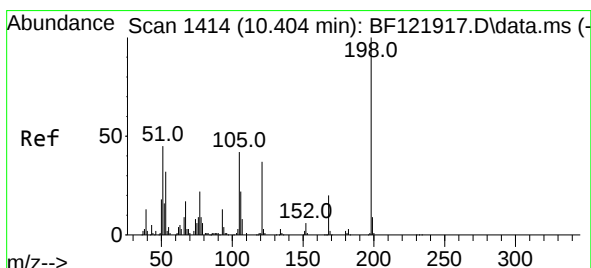
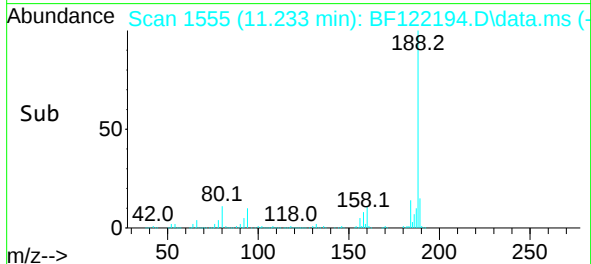
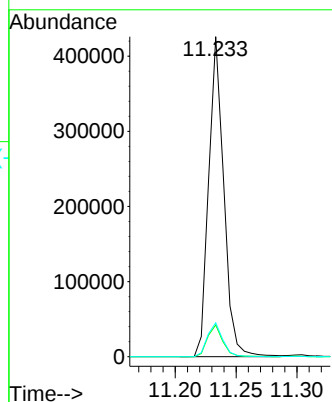
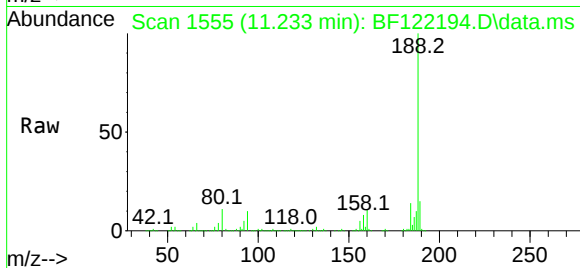




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

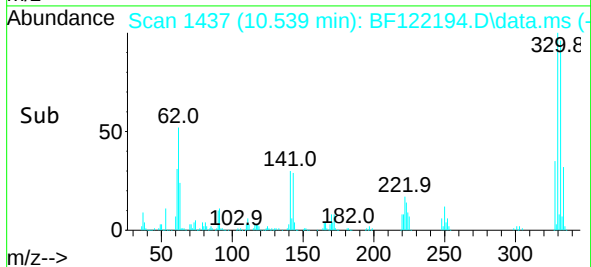
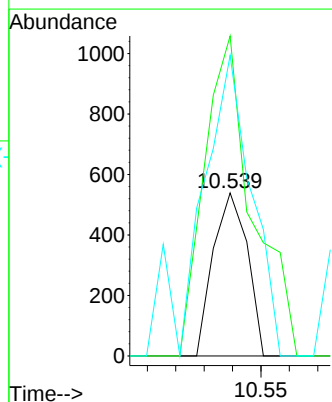
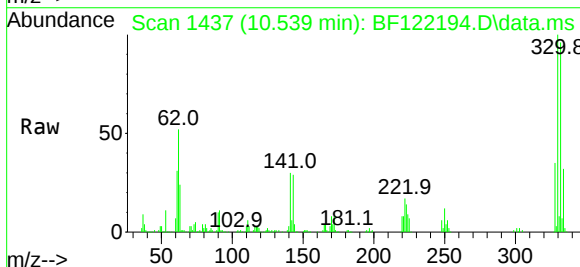
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

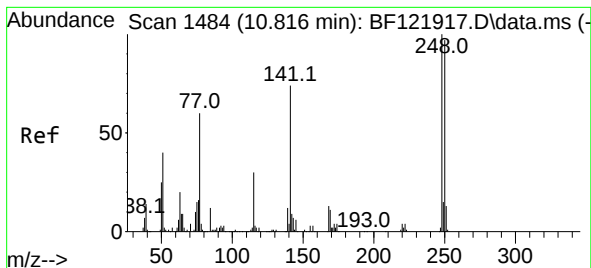
Tgt Ion:188 Resp: 367890
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.6 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.60 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:198 Resp: 449
Ion Ratio Lower Upper
198 100
51 196.3 29.6 69.6#
105 184.4 24.4 64.4#

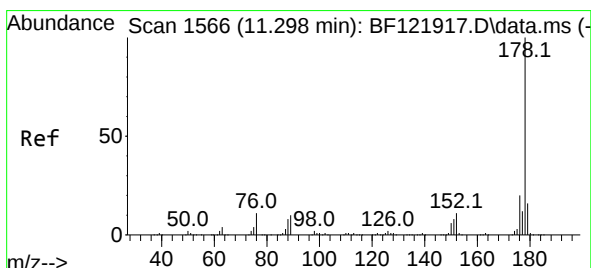
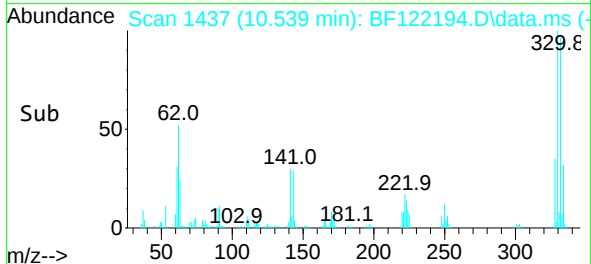
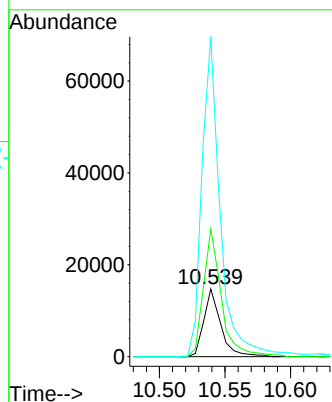
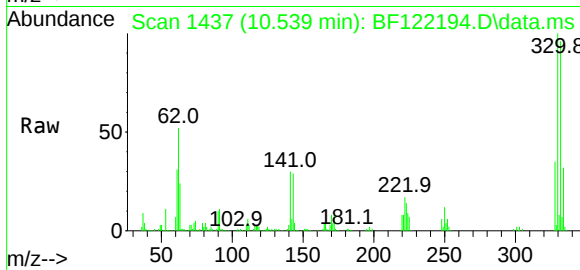




#67
4-Bromophenyl-phenylether
Concen: 3.13 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

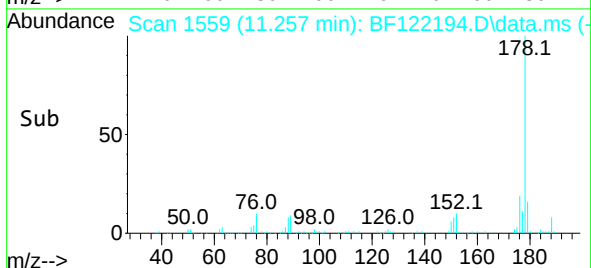
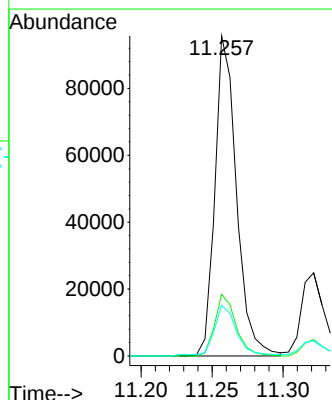
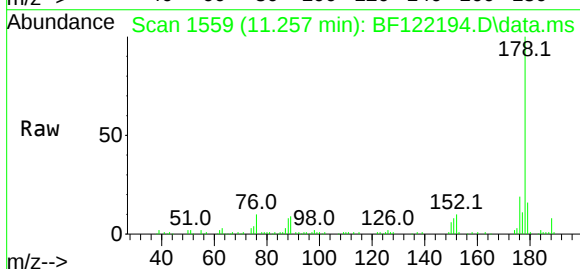
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

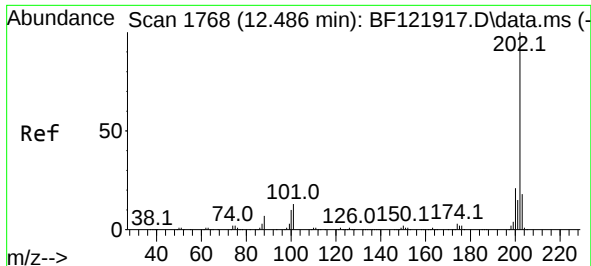
Tgt Ion:248 Resp: 13306
Ion Ratio Lower Upper
248 100
250 188.9 77.0 115.6#
141 473.2 53.7 80.5#



#71
Phenanthrene
Concen: 5.00 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:178 Resp: 100877
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.8 12.2 18.4

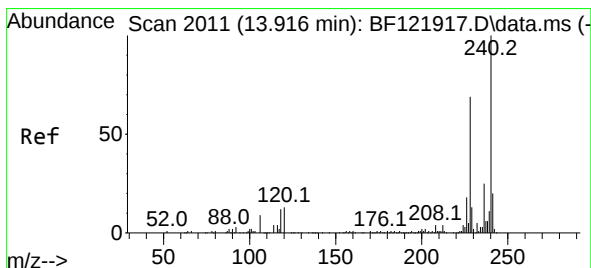
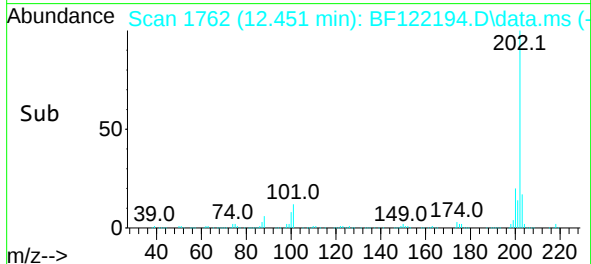
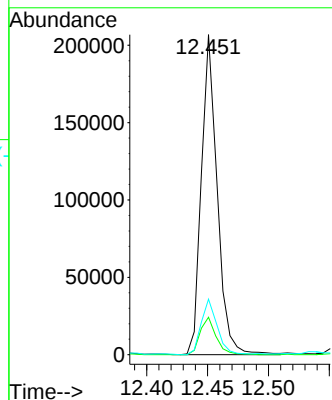
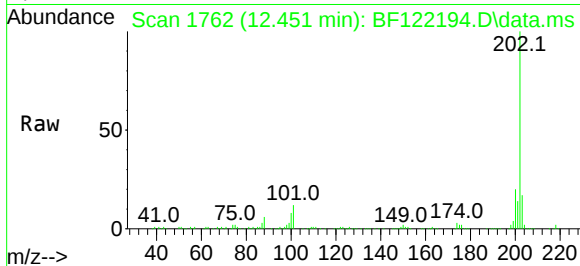




#75
Fluoranthene
Concen: 8.70 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

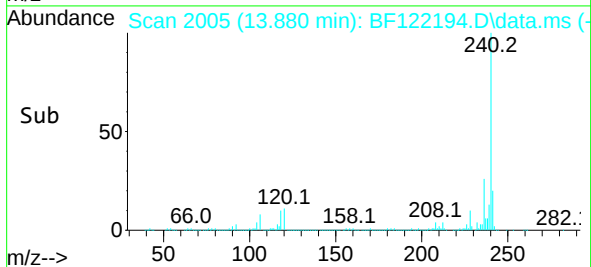
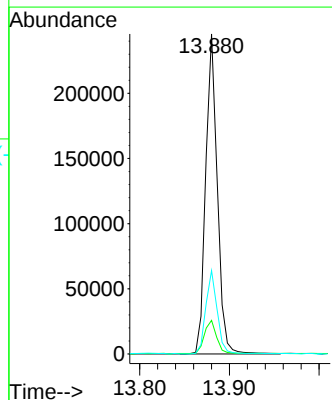
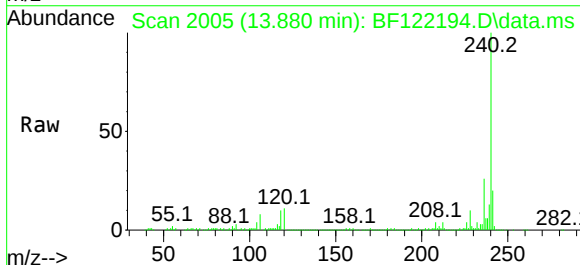
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

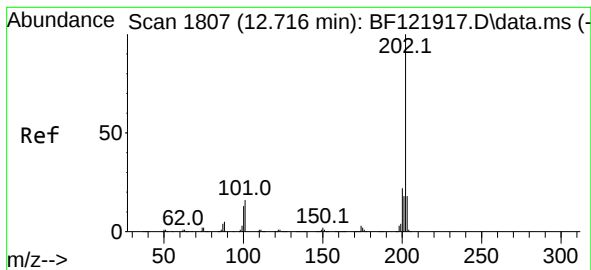
Tgt Ion:202	Resp: 188104
Ion Ratio	Lower Upper
202 100	
101 11.7	0.0 33.4
203 17.4	0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:240	Resp: 220829
Ion Ratio	Lower Upper
240 100	
120 10.5	9.2 13.8
236 26.1	20.9 31.3





#78

Pyrene

Concen: 9.76 ng

RT: 12.680 min Scan# 1801

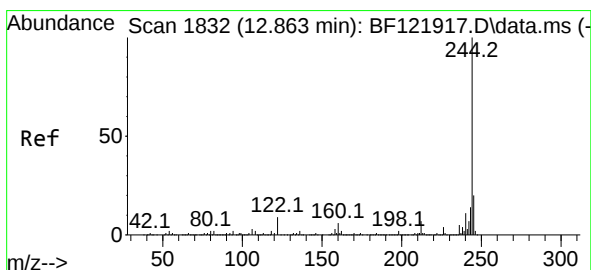
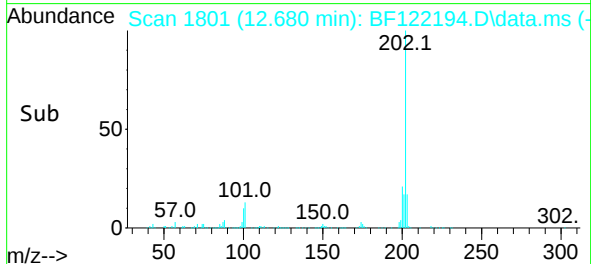
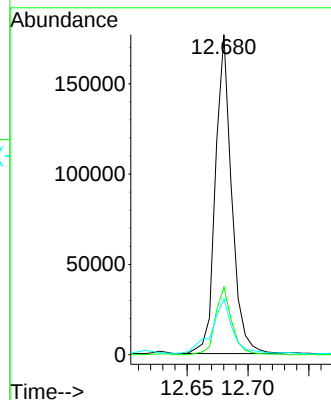
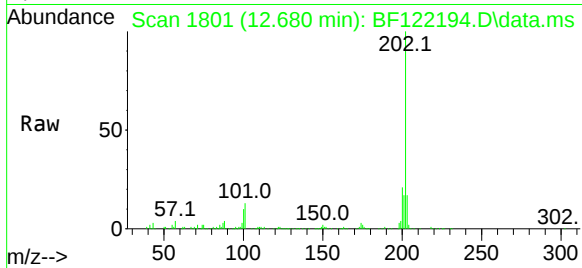
Delta R.T. -0.000 min

Lab File: BF122194.D

Acq: 30 Oct 2020 22:23

Tgt Ion:202 Resp: 164330

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.6	21.8



#79

Terphenyl-d14

Concen: 60.71 ng

RT: 12.815 min Scan# 1824

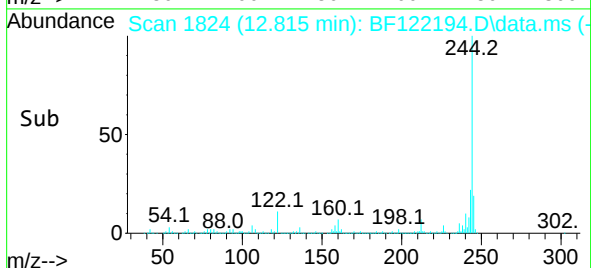
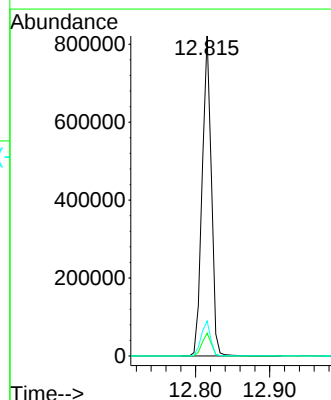
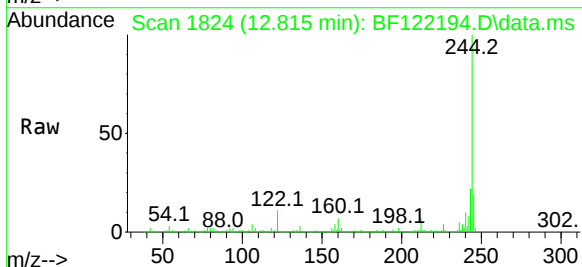
Delta R.T. -0.000 min

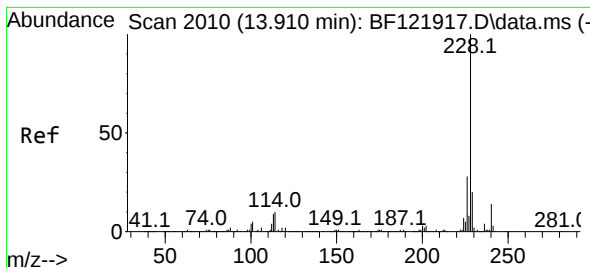
Lab File: BF122194.D

Acq: 30 Oct 2020 22:23

Tgt Ion:244 Resp: 703523

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.0	8.1	12.1

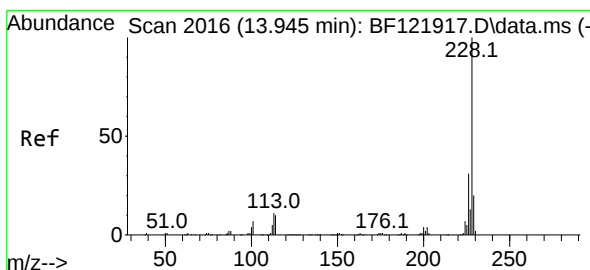
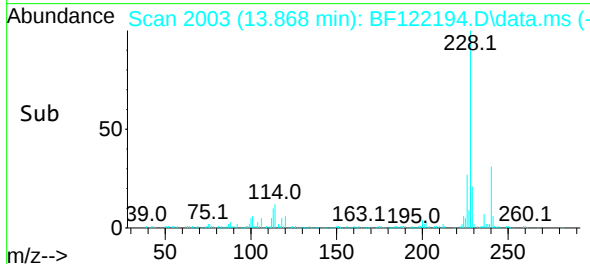
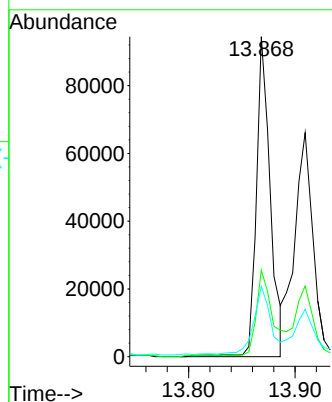
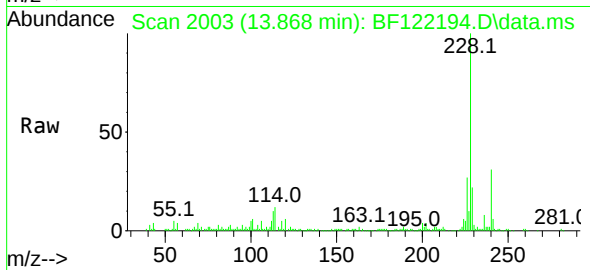




#81
Benzo(a)anthracene
Concen: 5.92 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

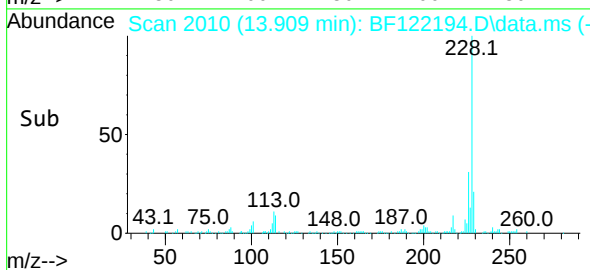
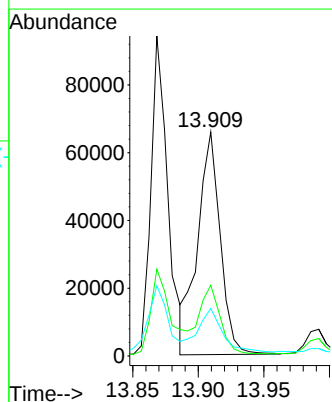
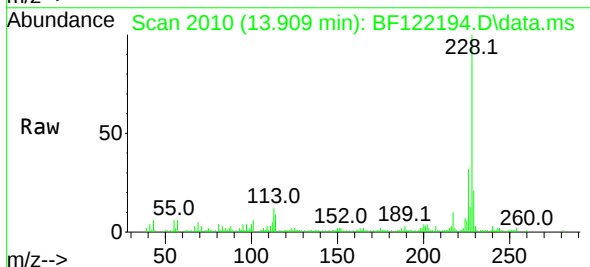
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

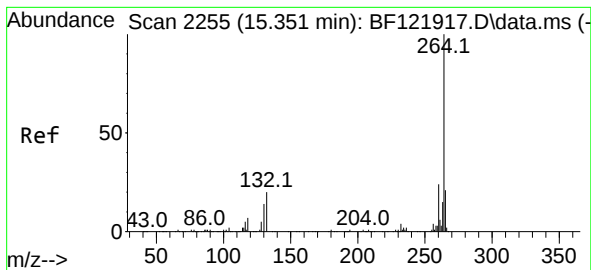
Tgt Ion:228 Resp: 85626
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 21.9 16.2 24.4



#83
Chrysene
Concen: 5.59 ng
RT: 13.909 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:228 Resp: 79414
Ion Ratio Lower Upper
228 100
226 31.6 24.6 37.0
229 21.1 15.9 23.9

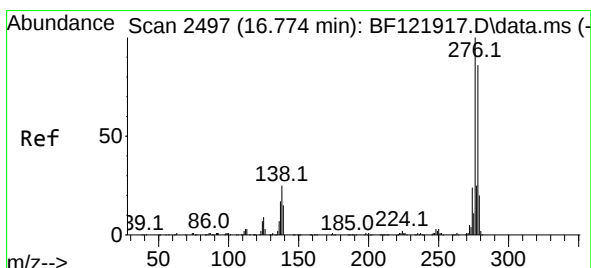
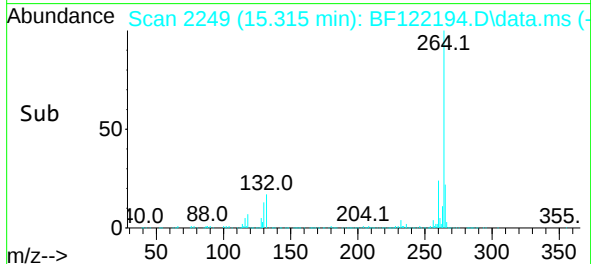
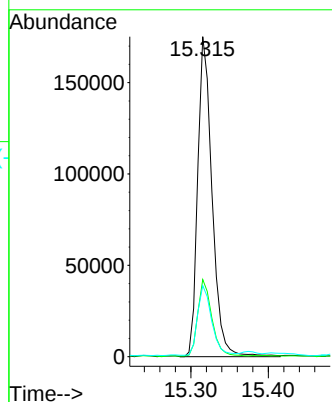
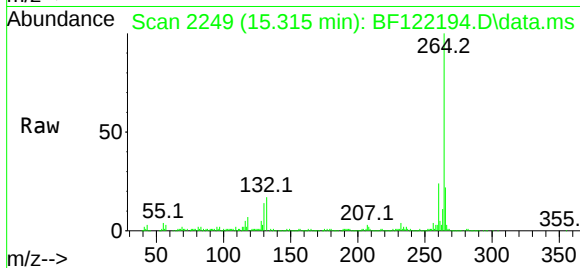




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

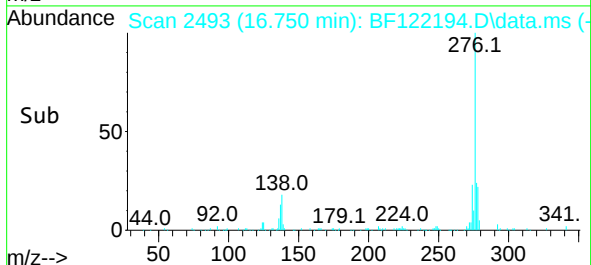
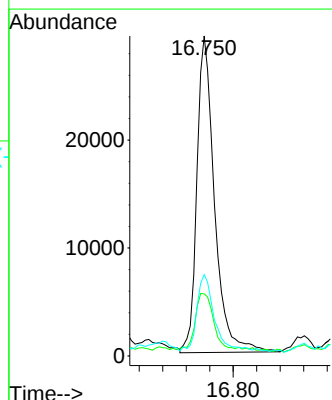
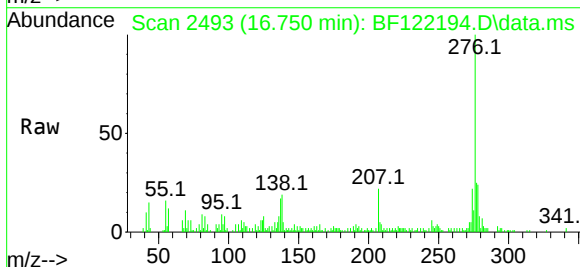
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

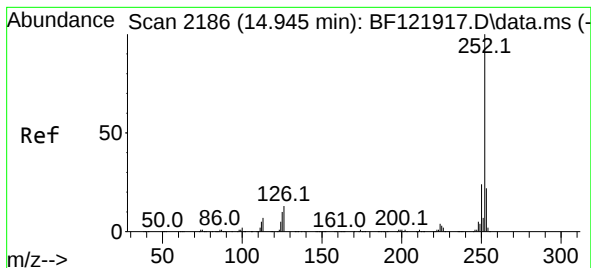
Tgt Ion:264 Resp: 225723
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.2 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.17 ng
RT: 16.750 min Scan# 2493
Delta R.T. 0.035 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:276 Resp: 61186
Ion Ratio Lower Upper
276 100
138 18.0 19.9 29.9#
277 23.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.81 ng

RT: 14.909 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122194.D

Acq: 30 Oct 2020 22:23

Tgt Ion:252 Resp: 149692

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

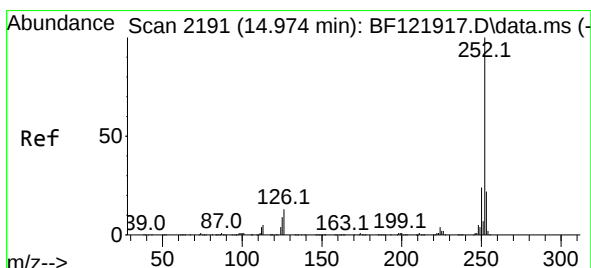
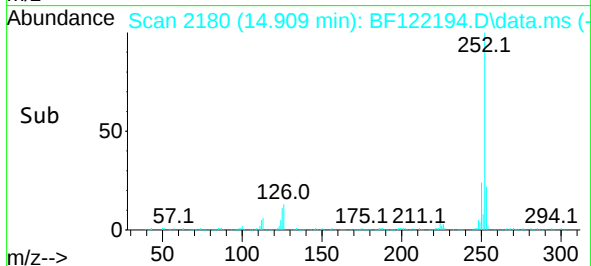
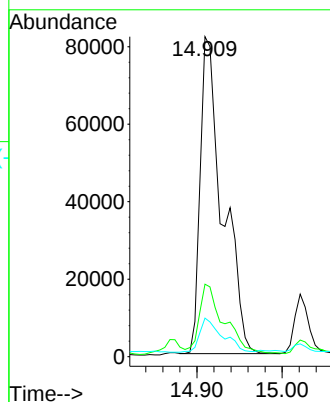
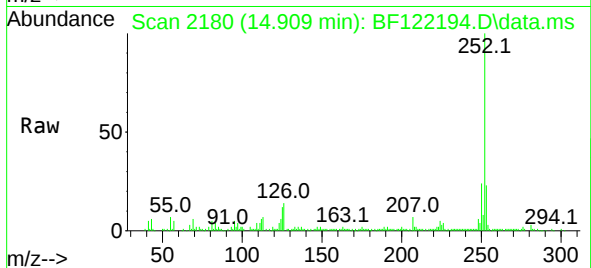
125 12.0 8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-063-A



#89

Benzo(k)fluoranthene

Concen: 10.33 ng

RT: 14.909 min Scan# 2180

Delta R.T. -0.018 min

Lab File: BF122194.D

Acq: 30 Oct 2020 22:23

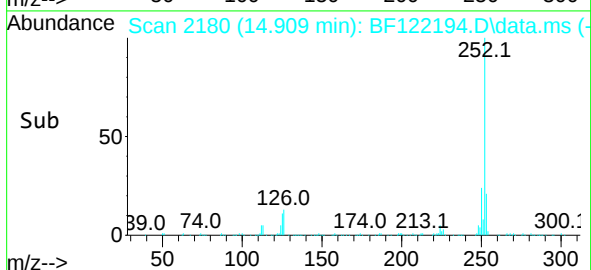
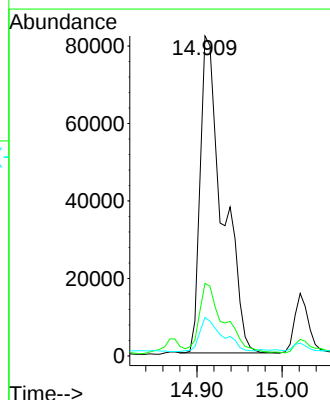
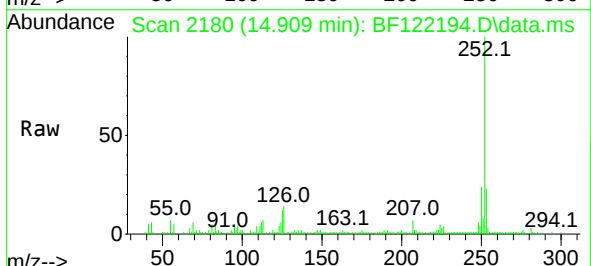
Tgt Ion:252 Resp: 149692

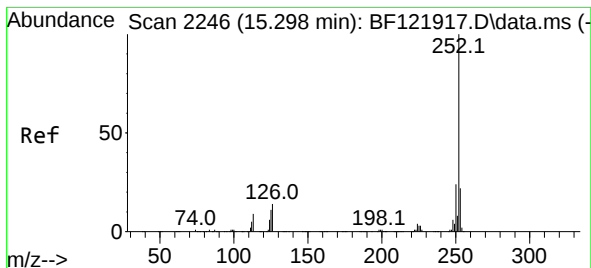
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 12.0 7.7 11.5#

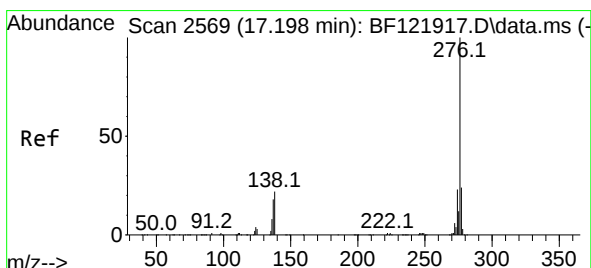
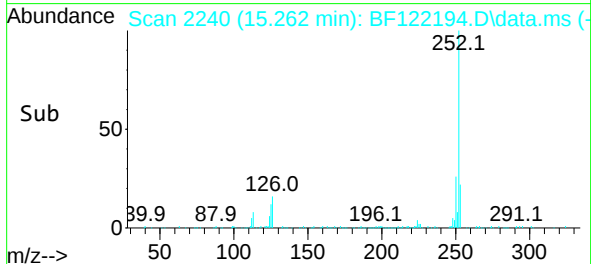
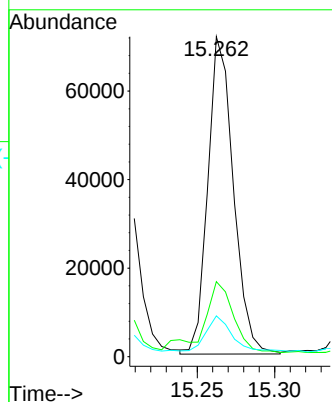
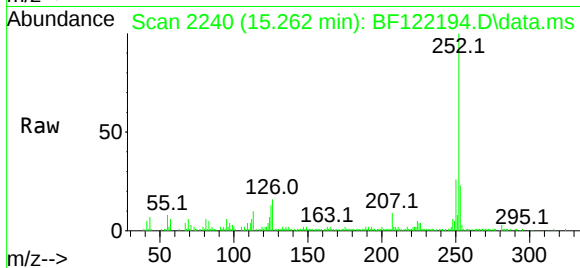




#90
Benzo(a)pyrene
Concen: 6.24 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-A

Tgt Ion:252 Resp: 82232
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 12.8 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 4.69 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.041 min
Lab File: BF122194.D
Acq: 30 Oct 2020 22:23

Tgt Ion:276 Resp: 56625
Ion Ratio Lower Upper
276 100
277 26.0 19.4 29.2
138 24.7 17.8 26.6

