

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122195.D
 Acq On : 30 Oct 2020 22:54
 Operator : JU/CG
 Sample : L4565-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 31 02:59:32 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)

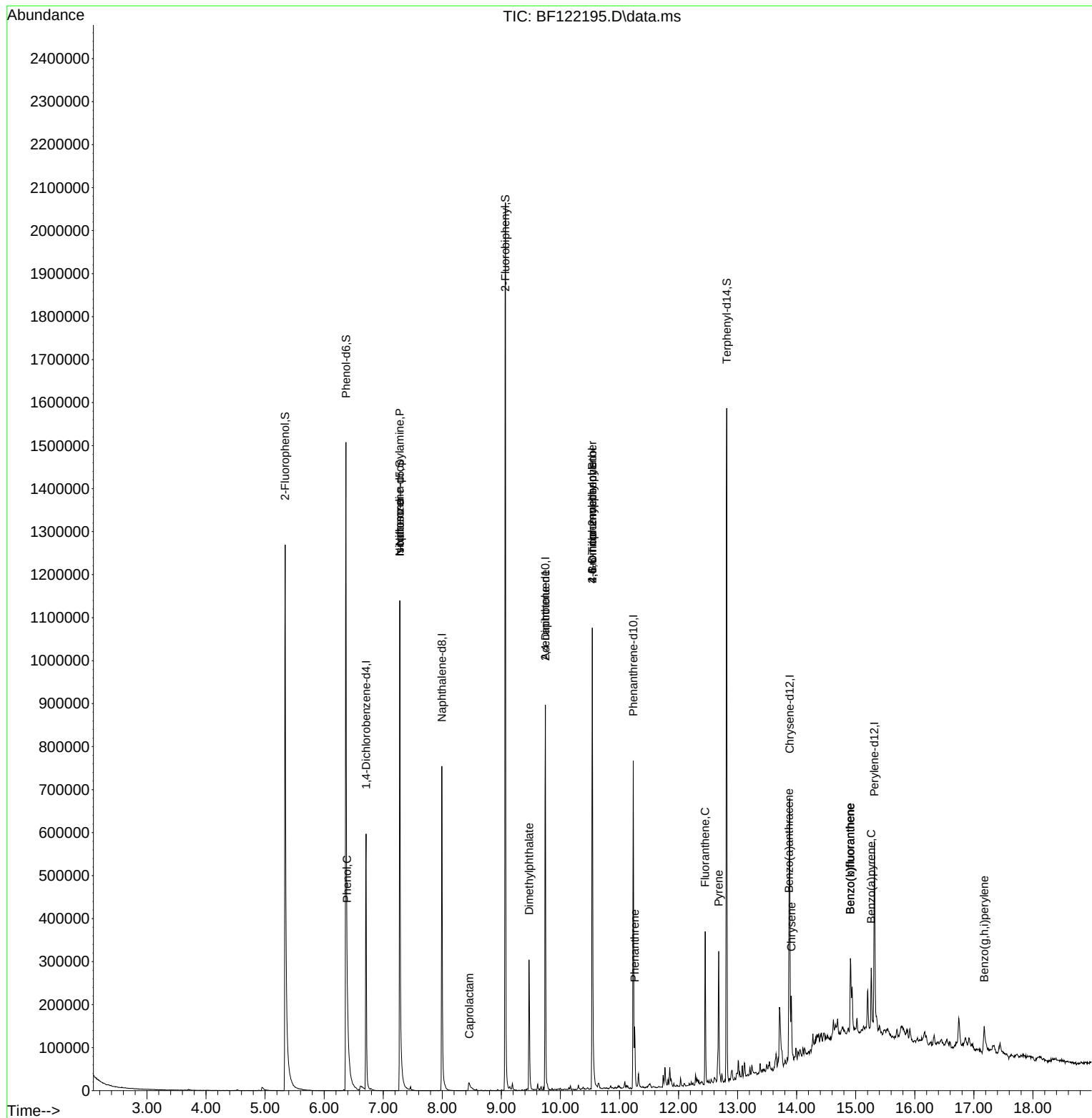
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	95460	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	367883	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	176029	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	270540	20.00	ng	0.00
76) Chrysene-d12	13.880	240	190505	20.00	ng	0.00
86) Perylene-d12	15.315	264	209125	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	516726	79.89	ng	0.00
7) Phenol-d6	6.369	99	649833	78.05	ng	0.00
23) Nitrobenzene-d5	7.281	82	409422	57.08	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	145051	66.61	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	662064	55.34	ng	0.00
79) Terphenyl-d14	12.816	244	464069	46.42	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1063	Below Cal	#	3
10) Phenol	6.387	94	38689	4.50	ng	91
19) n-Nitroso-di-n-propyla...	7.281	70	54024	11.40	ng	# 79
25) Isophorone	7.281	82	409422	30.19	ng	# 67
35) Caprolactam	8.457	113	4825	2.70	ng	95
50) Dimethylphthalate	9.469	163	127205	9.88	ng	99
57) 2,4-Dinitrotoluene	9.745	165	22232	6.40	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.539	198	136	4.50	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	8531	2.73	ng	# 1
71) Phenanthrene	11.257	178	54901	3.70	ng	98
75) Fluoranthene	12.451	202	137887	8.67	ng	96
78) Pyrene	12.680	202	120875	8.33	ng	98
81) Benzo(a)anthracene	13.869	228	68049	5.45	ng	96
83) Chrysene	13.910	228	60159	4.91	ng	100
88) Benzo(b)fluoranthene	14.910	252	120773	8.54	ng	98
89) Benzo(k)fluoranthene	14.910	252	120773	8.99	ng	99
90) Benzo(a)pyrene	15.263	252	68002	5.57	ng	98
92) Benzo(g,h,i)perylene	17.174	276	44901	4.01	ng	95

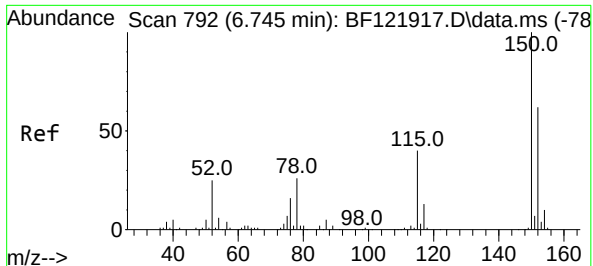
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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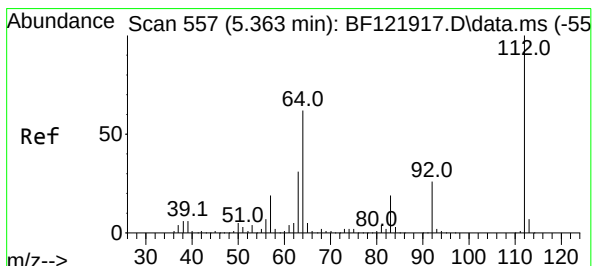
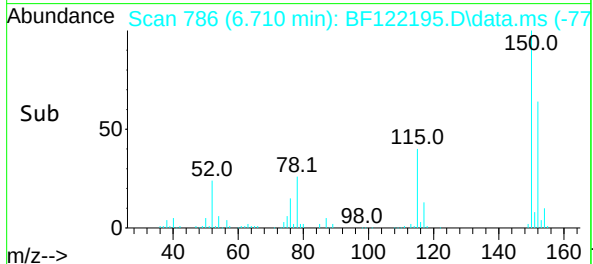
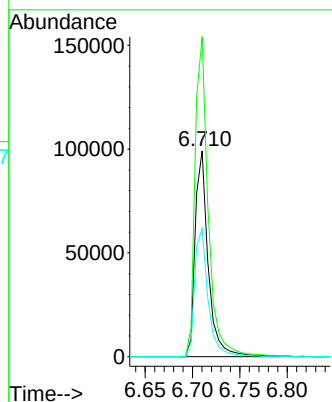
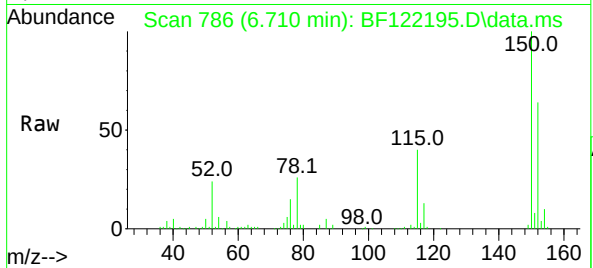




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122195.D
 Acq: 30 Oct 2020 22:54

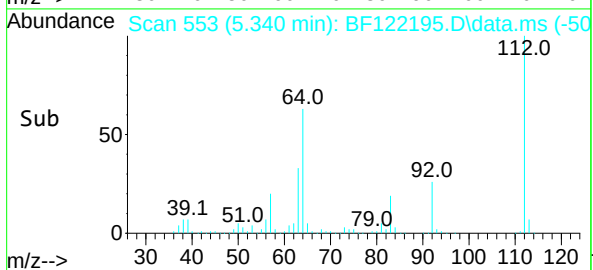
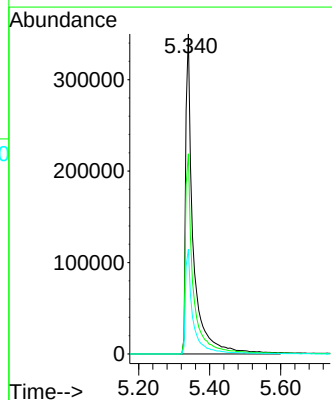
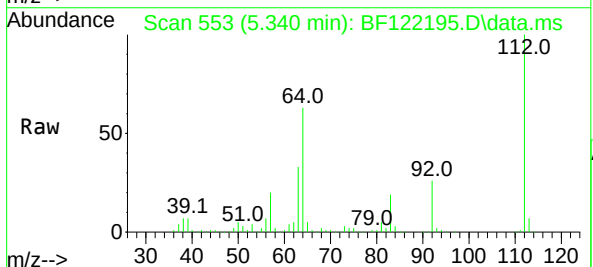
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-063-B

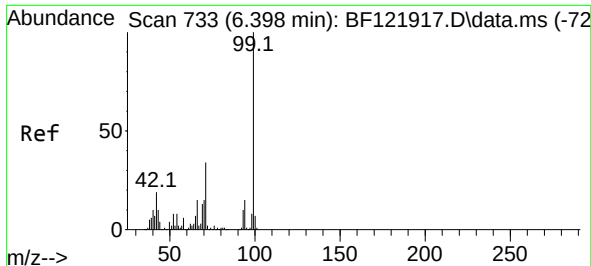
Tgt Ion:152 Resp: 95460
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.3 187.9
 115 62.2 51.9 77.9



#5
 2-Fluorophenol
 Concen: 79.89 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122195.D
 Acq: 30 Oct 2020 22:54

Tgt Ion:112 Resp: 516726
 Ion Ratio Lower Upper
 112 100
 64 62.6 50.4 75.6
 63 32.7 25.8 38.6

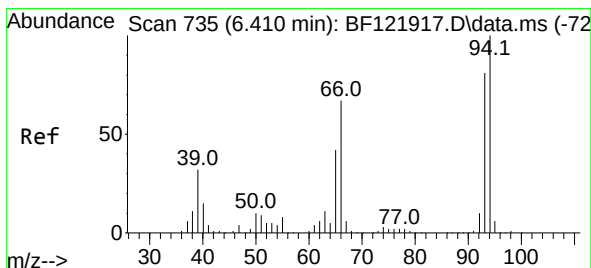
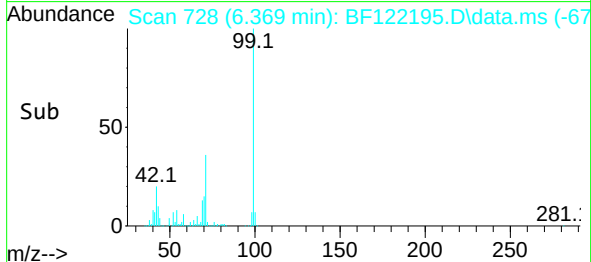
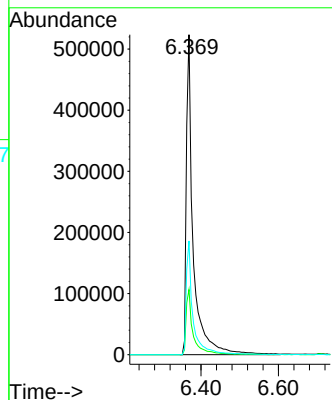
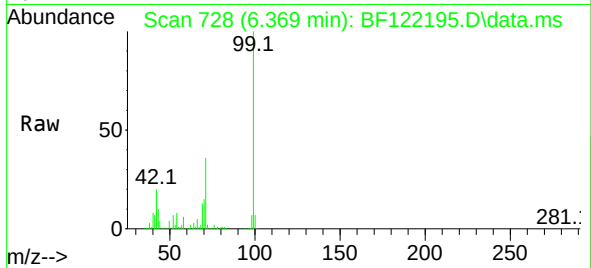




#7
Phenol-d6
Concen: 78.05 ng
RT: 6.369 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

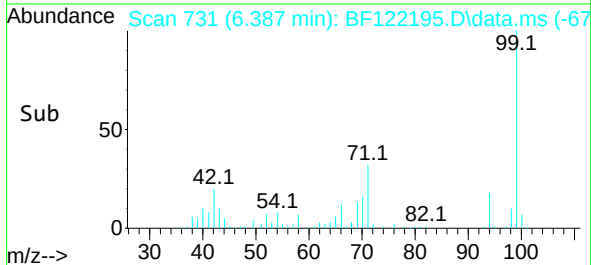
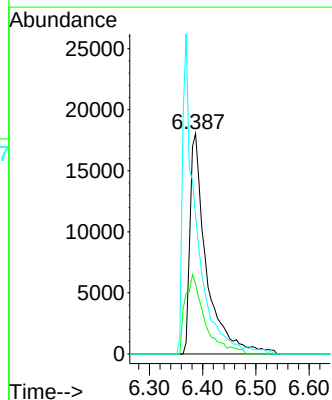
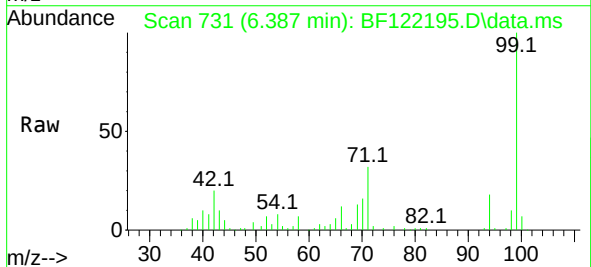
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

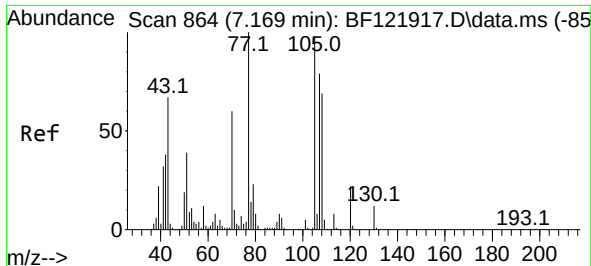
Tgt Ion: 99 Resp: 649833
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 35.6 27.1 40.7



#10
Phenol
Concen: 4.50 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion: 94 Resp: 38689
Ion Ratio Lower Upper
94 100
65 31.9 17.1 57.1
66 62.4 36.0 76.0

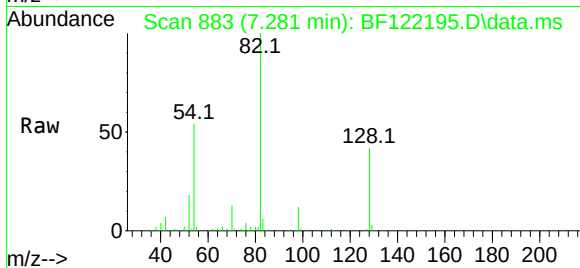




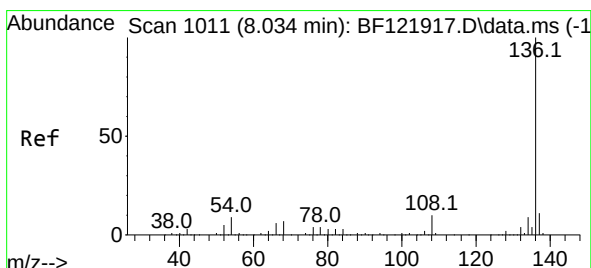
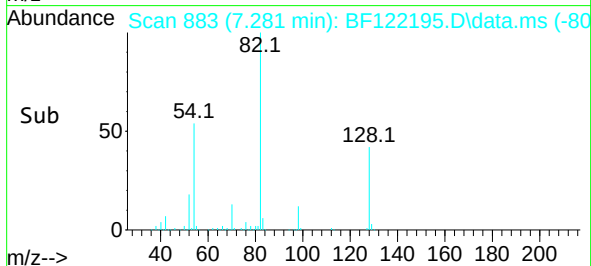
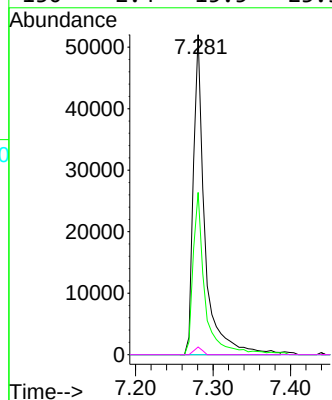
#19

n-Nitroso-di-n-propylamine
Concen: 11.40 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

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



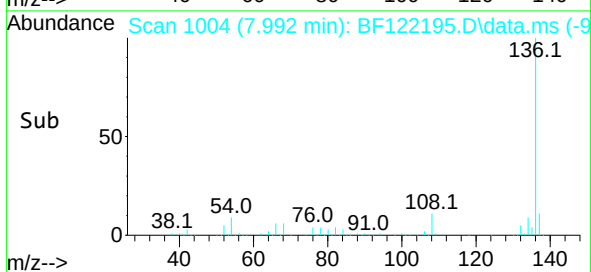
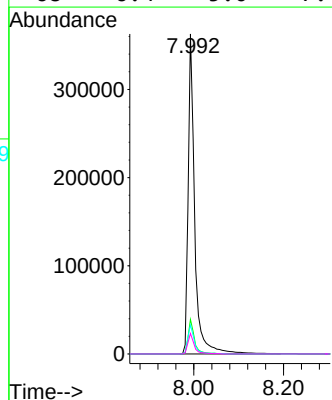
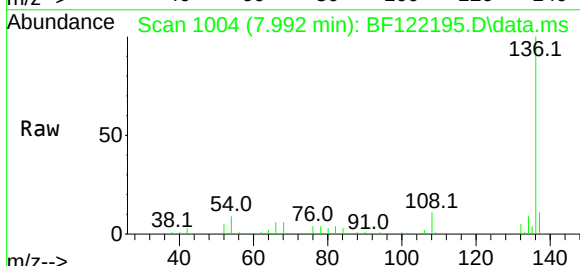
Tgt Ion: 70	Resp: 54024
Ion Ratio	Lower Upper
70 100	
42 50.7	50.2 75.4
101 0.0	7.5 11.3#
130 2.4	15.5 23.3#

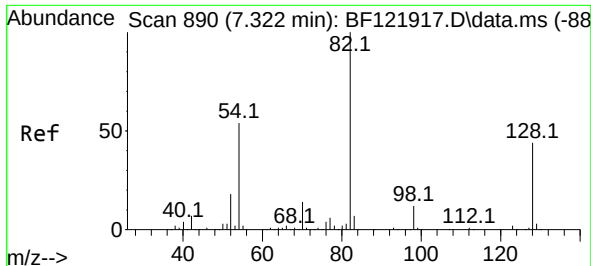


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion: 136	Resp: 367883
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 9.0	7.1 10.7
68 6.4	5.0 7.4





#23

Nitrobenzene-d5

Concen: 57.08 ng

RT: 7.281 min Scan# 883

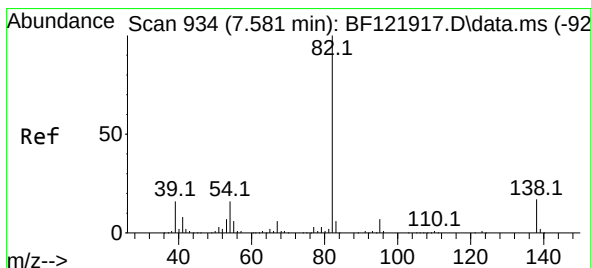
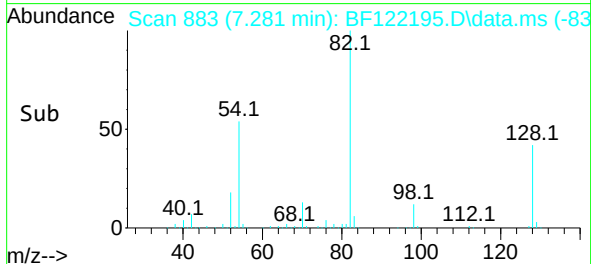
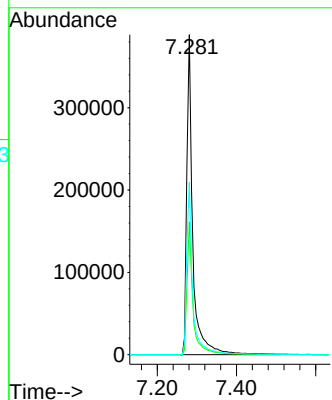
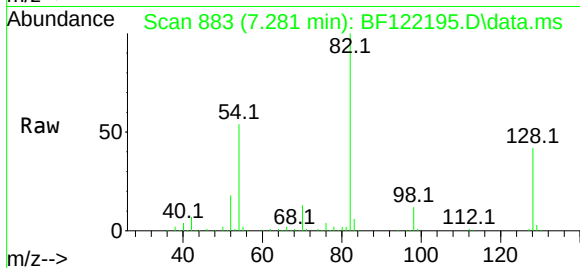
Delta R.T. -0.006 min

Lab File: BF122195.D

Acq: 30 Oct 2020 22:54

Tgt Ion: 82 Resp: 409422

Ion	Ratio	Lower	Upper
82	100		
128	41.6	35.0	52.4
54	54.0	43.9	65.9



#25

Isophorone

Concen: 30.19 ng

RT: 7.281 min Scan# 883

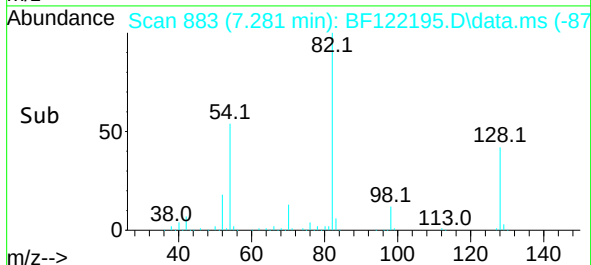
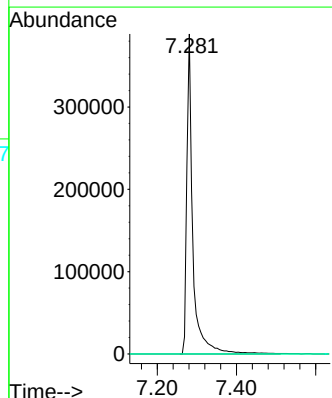
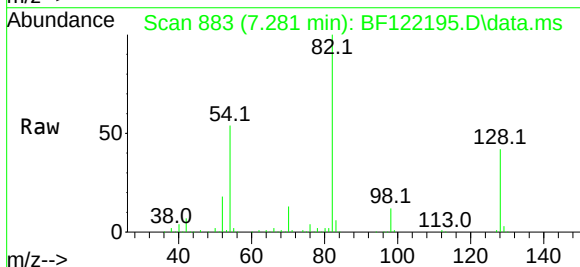
Delta R.T. -0.265 min

Lab File: BF122195.D

Acq: 30 Oct 2020 22:54

Tgt Ion: 82 Resp: 409422

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

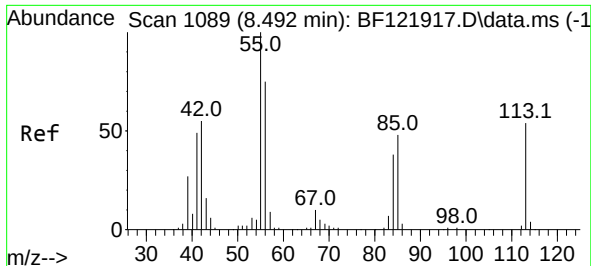


Instrument :

BNA_F

ClientSampleId :

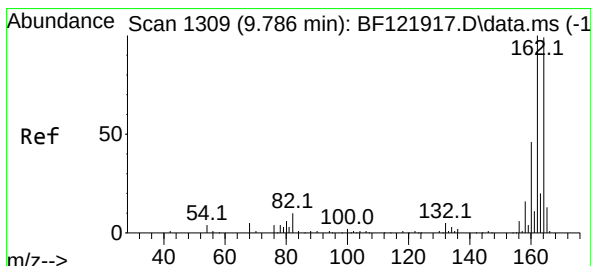
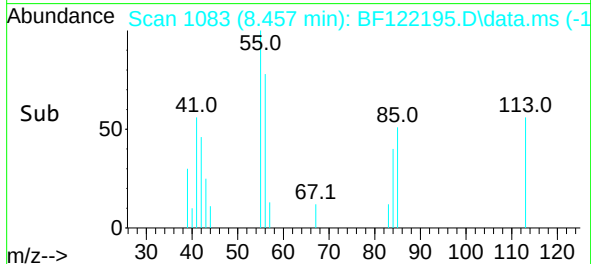
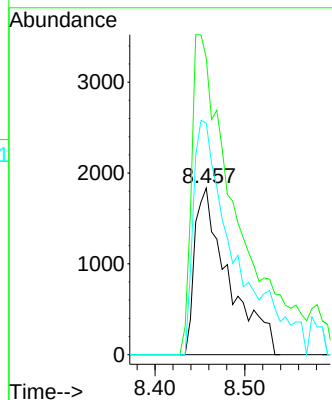
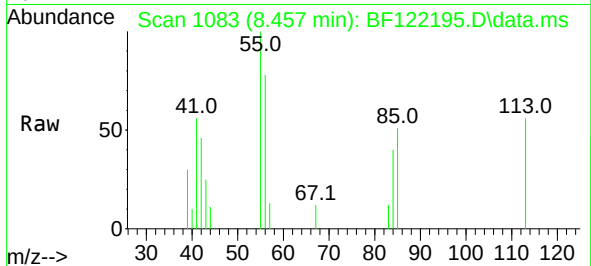
FK-GF-02-063-B



#35
Caprolactam
Concen: 2.70 ng
RT: 8.457 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

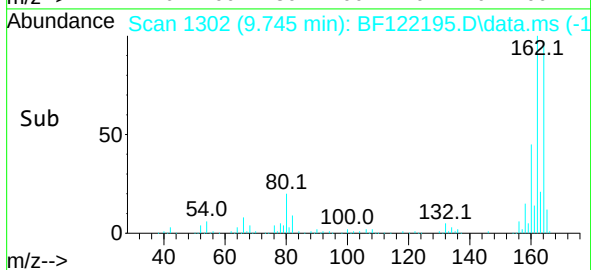
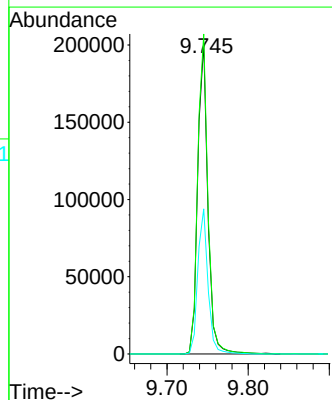
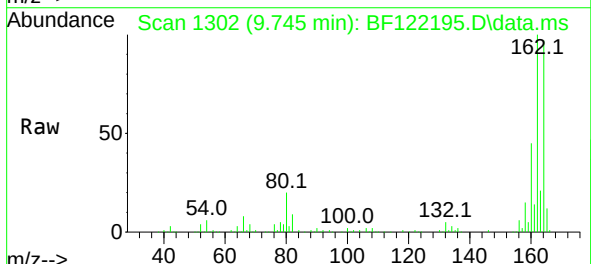
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

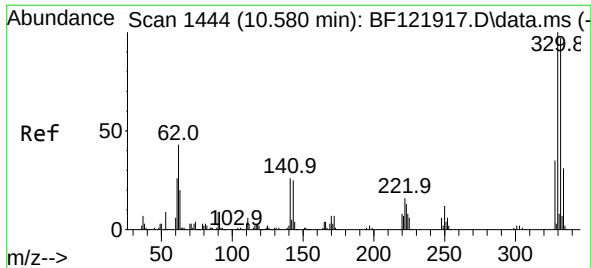
Tgt Ion:113 Resp: 4825
Ion Ratio Lower Upper
113 100
55 178.0 167.5 207.5
56 138.9 121.2 161.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:164 Resp: 176029
Ion Ratio Lower Upper
164 100
162 103.1 83.2 124.8
160 46.8 37.5 56.3

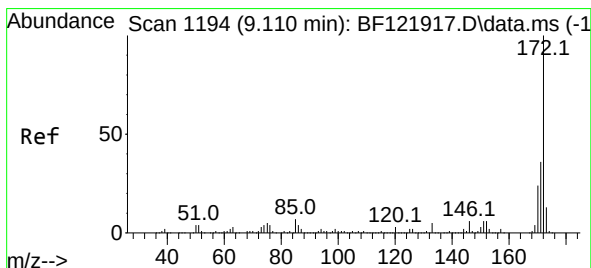
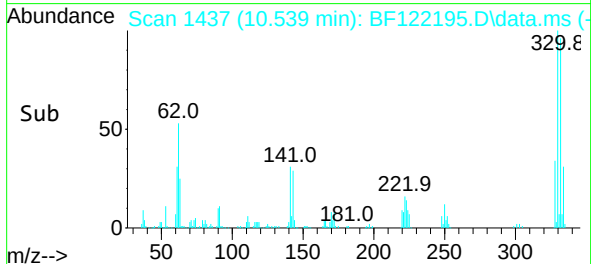
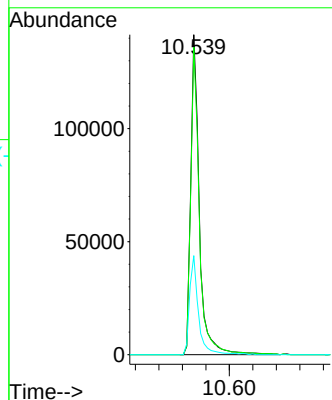
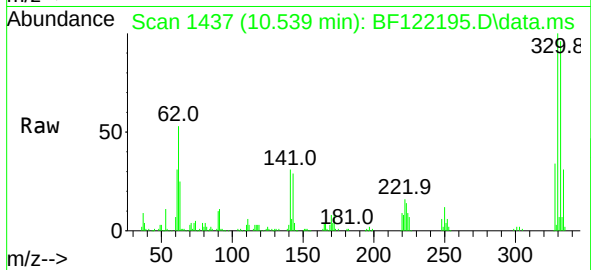




#42
2,4,6-Tribromophenol
Concen: 66.61 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

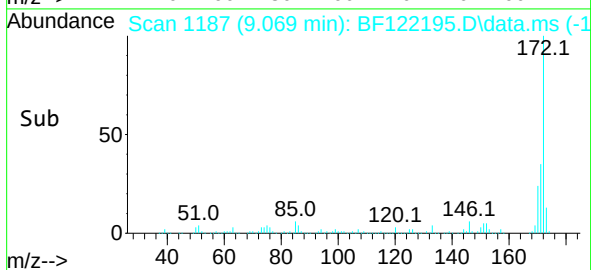
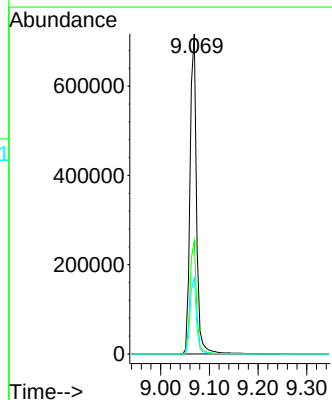
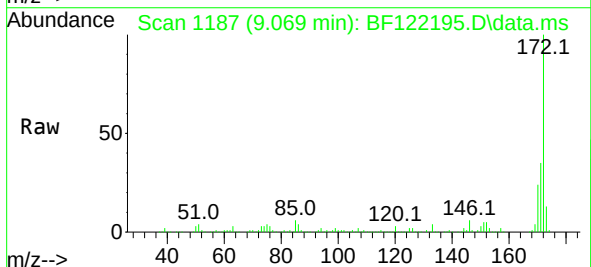
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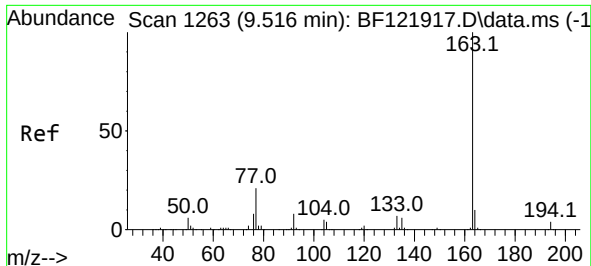
Tgt Ion:330 Resp: 145051
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 31.7 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 55.34 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:172 Resp: 662064
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 23.7 19.8 29.6

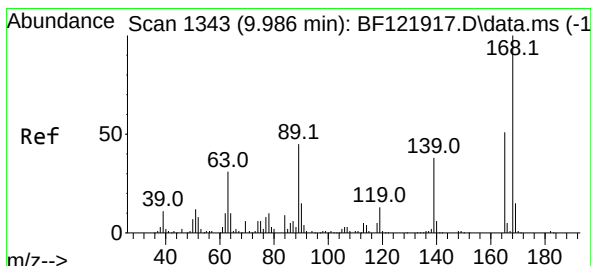
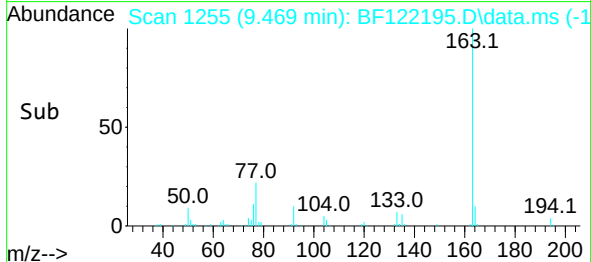
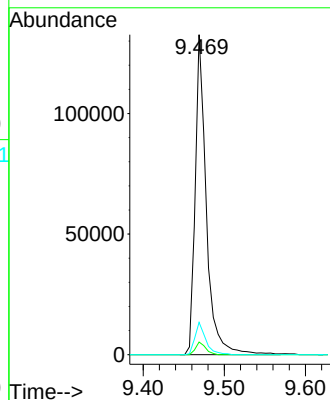
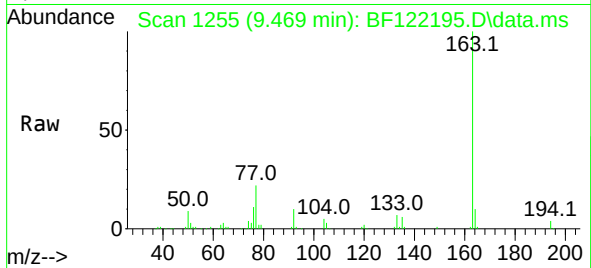




#50
Dimethylphthalate
Concen: 9.88 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

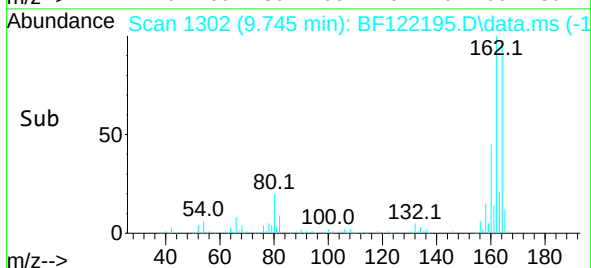
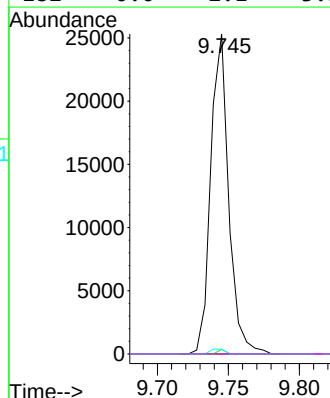
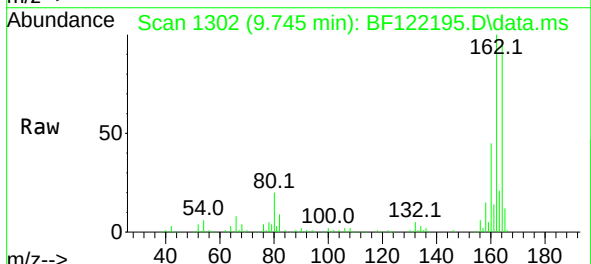
Instrument :
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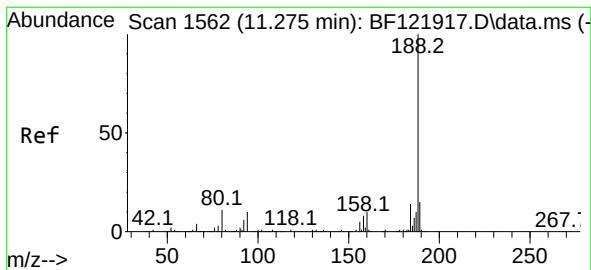
Tgt Ion:163 Resp: 127205
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:165 Resp: 22232
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#

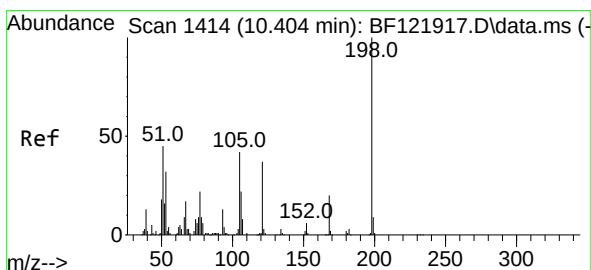
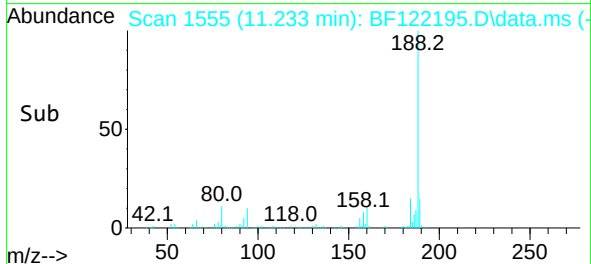
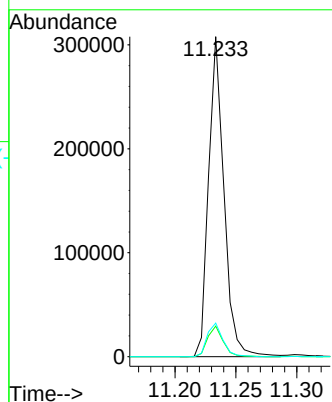
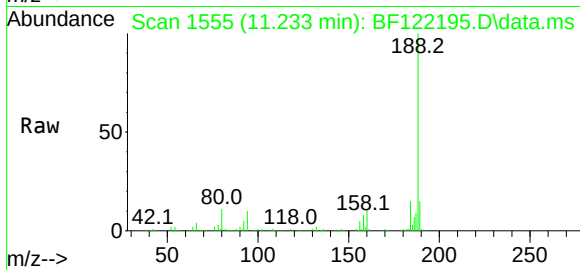




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

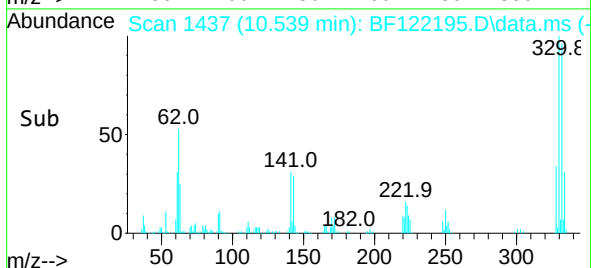
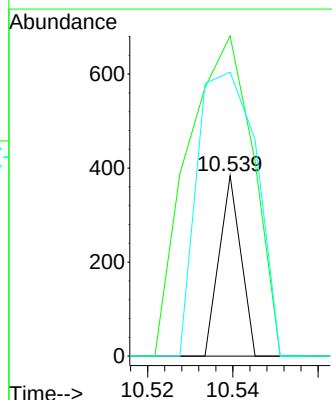
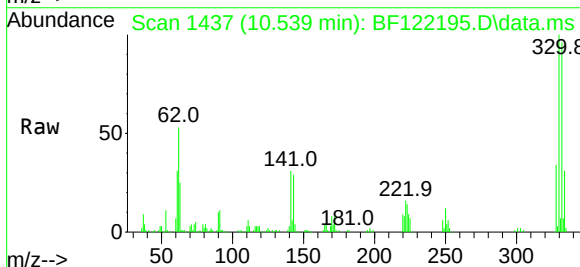
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

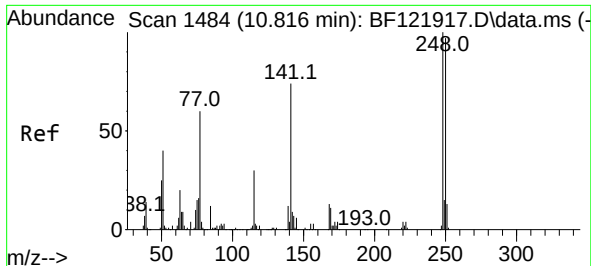
Tgt Ion:188 Resp: 270540
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.5 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.50 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 177.3 29.6 69.6#
105 157.3 24.4 64.4#

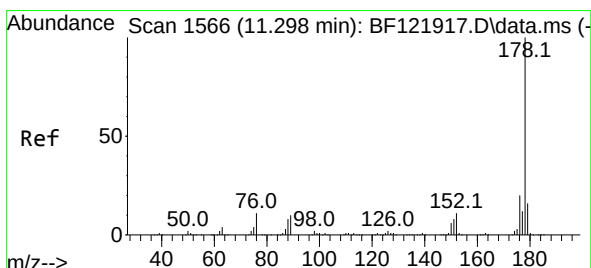
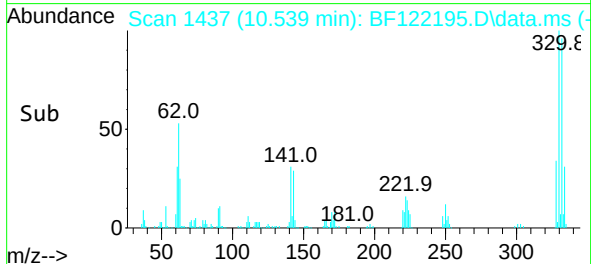
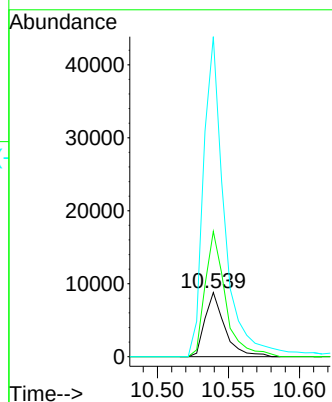
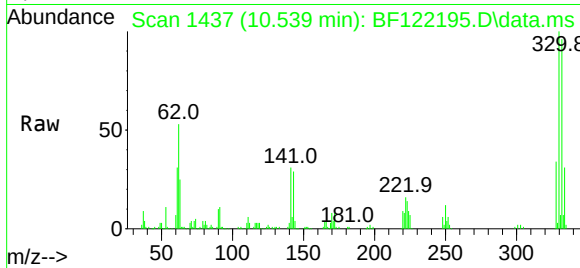




#67
4-Bromophenyl-phenylether
Concen: 2.73 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

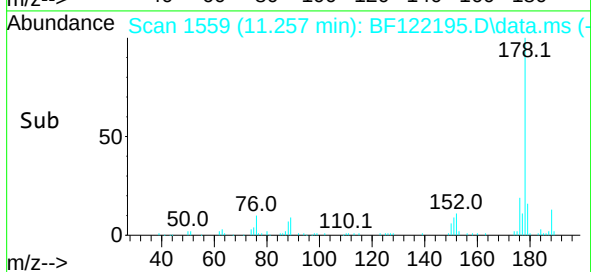
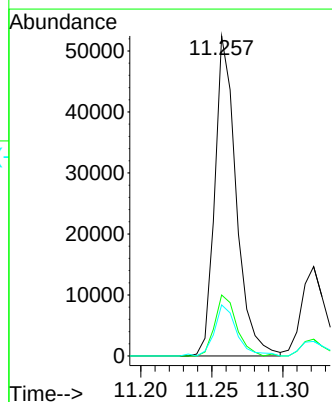
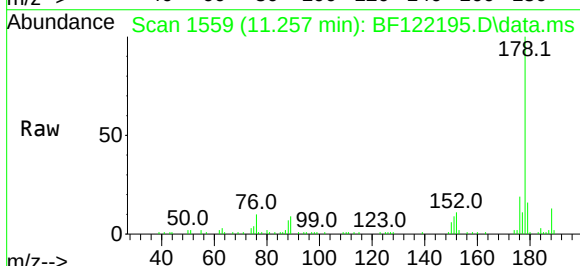
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

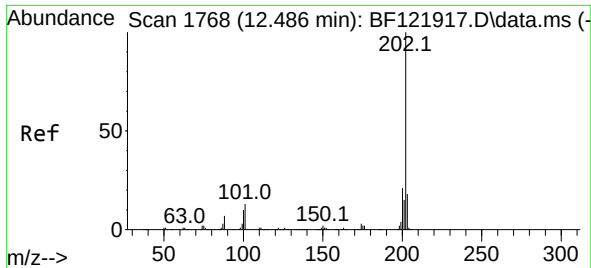
Tgt Ion:248 Resp: 8531
Ion Ratio Lower Upper
248 100
250 195.2 77.0 115.6#
141 498.9 53.7 80.5#



#71
Phenanthrene
Concen: 3.70 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:178 Resp: 54901
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.9 12.2 18.4

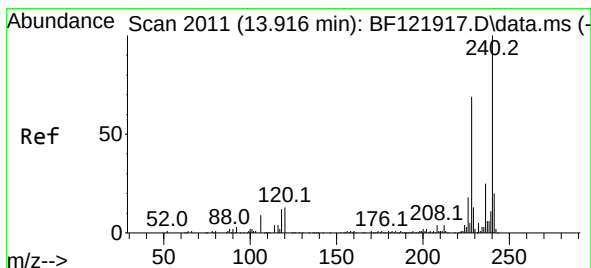
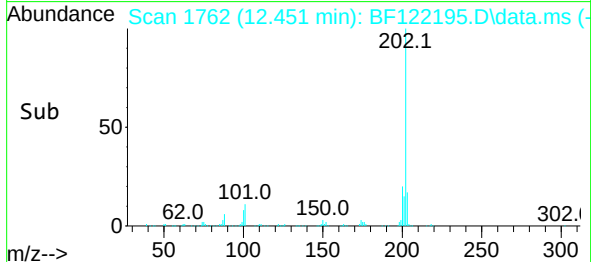
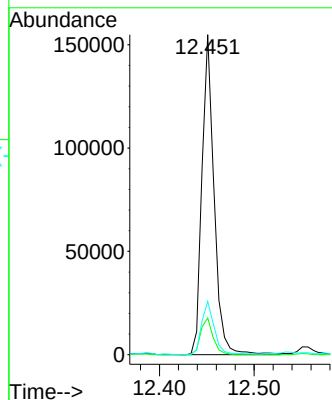
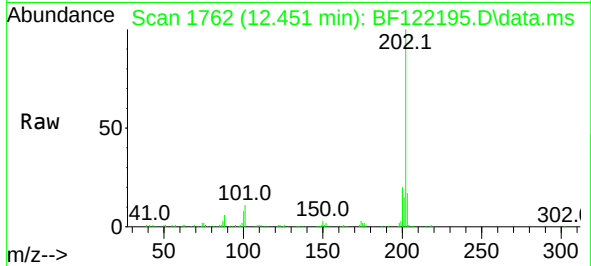




#75
Fluoranthene
Concen: 8.67 ng
RT: 12.451 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

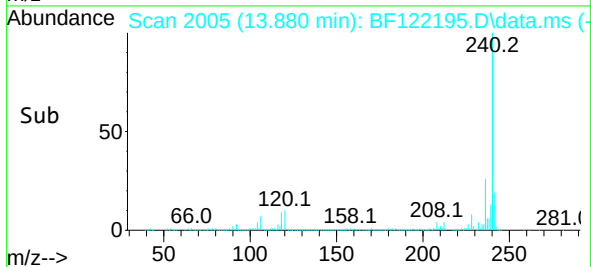
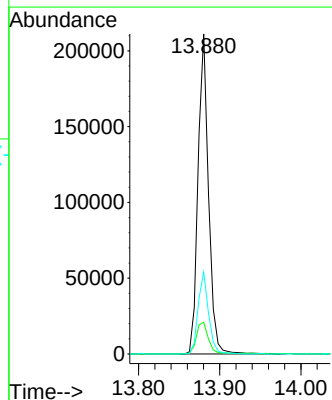
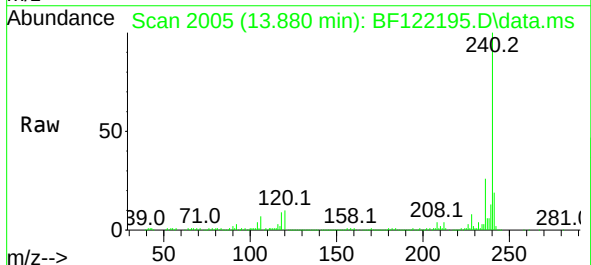
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

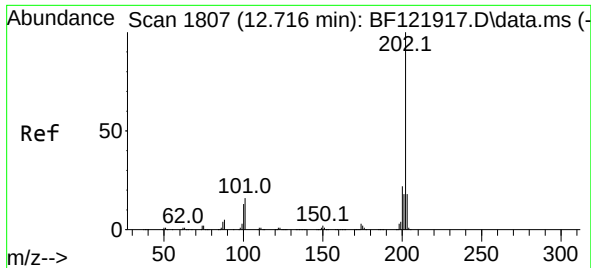
Tgt Ion:	202	Resp:	137887
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	33.4
203	16.7	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:	240	Resp:	190505
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.2	13.8
236	25.6	20.9	31.3

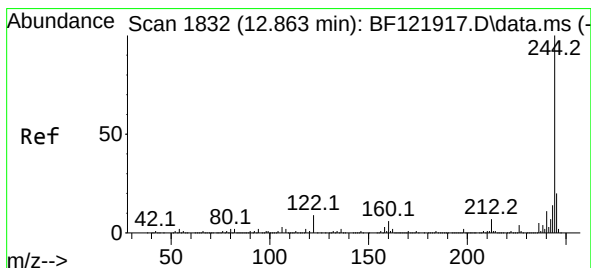
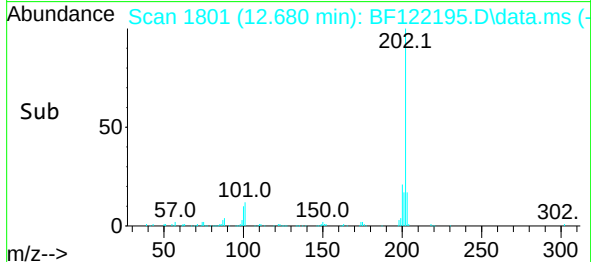
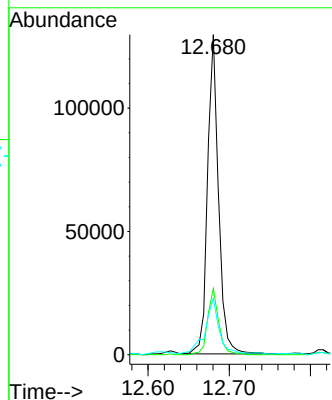
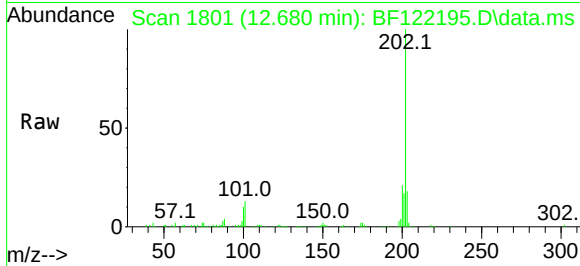




#78
Pyrene
Concen: 8.33 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

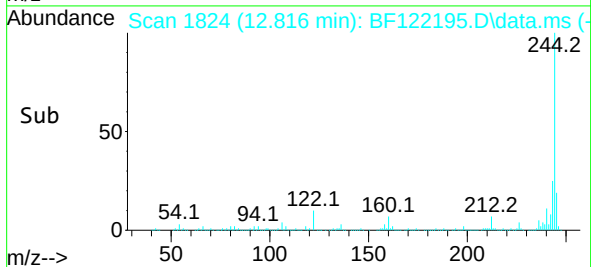
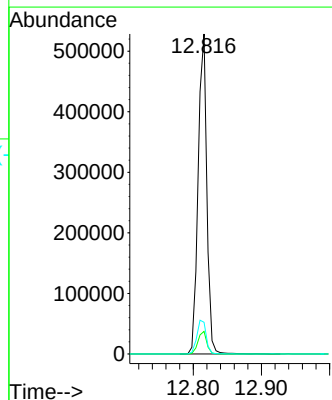
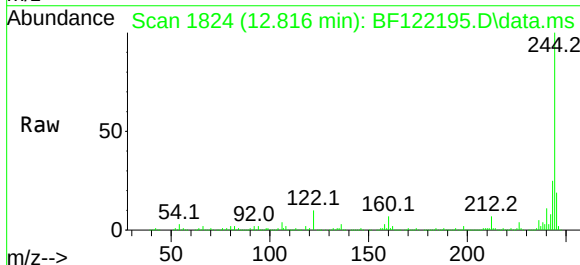
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

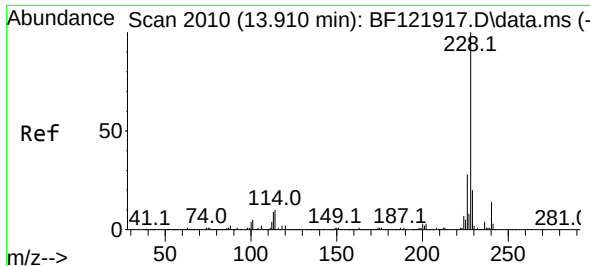
Tgt Ion:202 Resp: 120875
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 46.42 ng
RT: 12.816 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:244 Resp: 464069
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 9.9 8.1 12.1

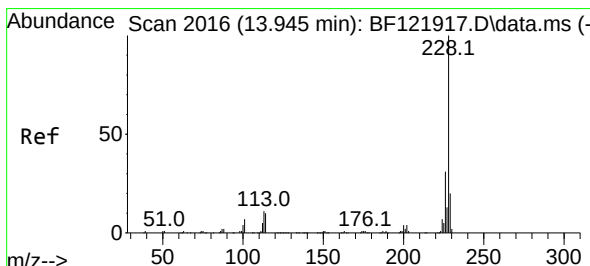
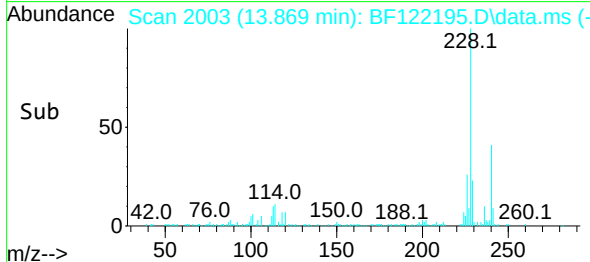
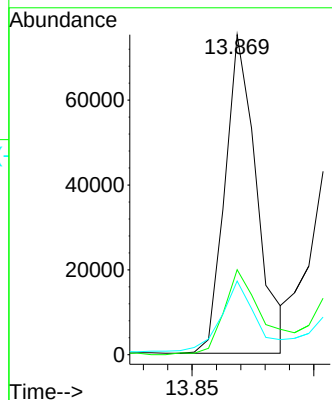
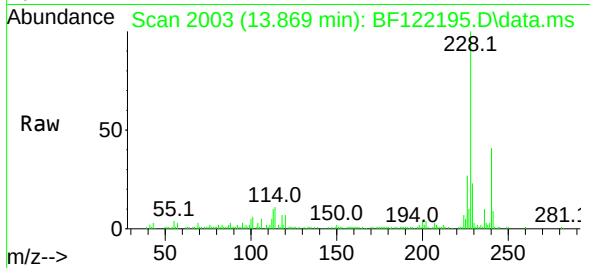




#81
Benzo(a)anthracene
Concen: 5.45 ng
RT: 13.869 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

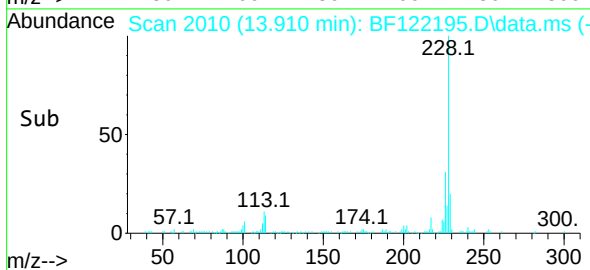
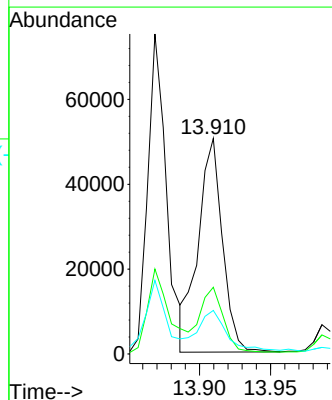
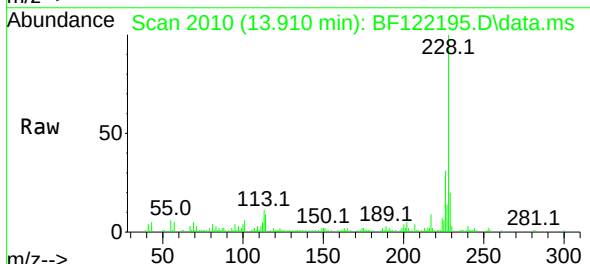
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

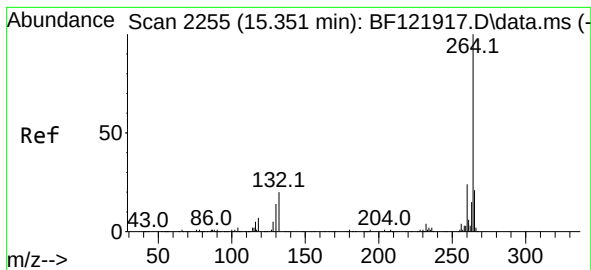
Tgt Ion:228 Resp: 68049
Ion Ratio Lower Upper
228 100
226 26.6 22.3 33.5
229 23.0 16.2 24.4



#83
Chrysene
Concen: 4.91 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:228 Resp: 60159
Ion Ratio Lower Upper
228 100
226 31.0 24.6 37.0
229 20.2 15.9 23.9

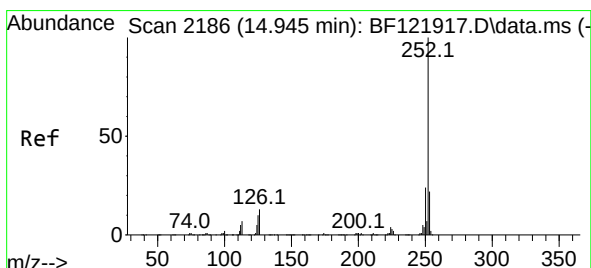
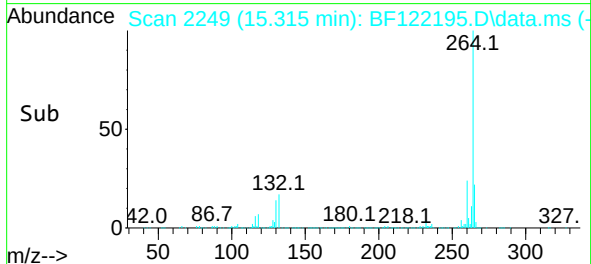
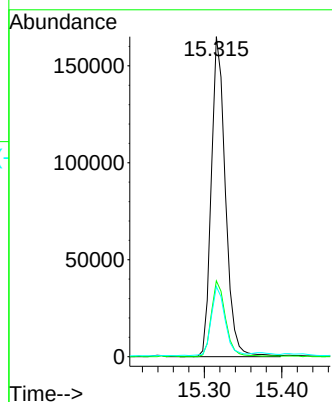
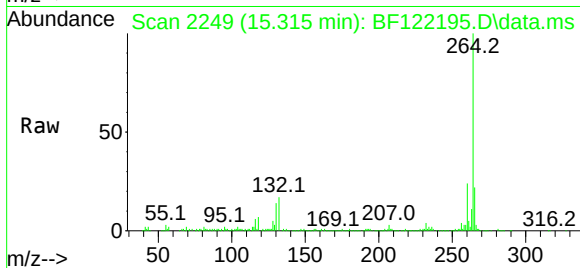




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

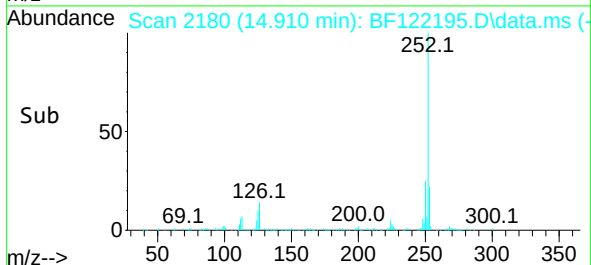
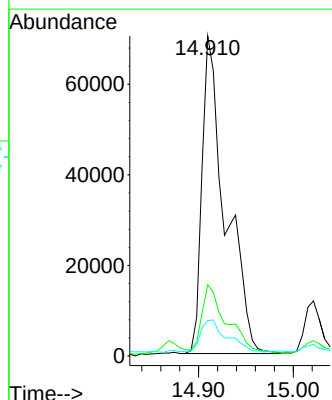
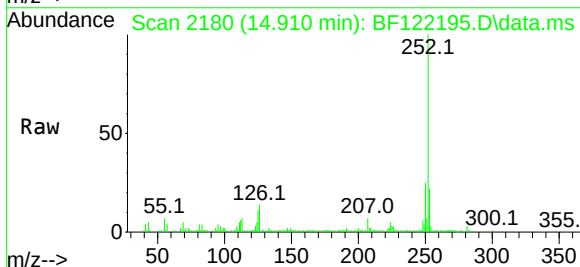
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

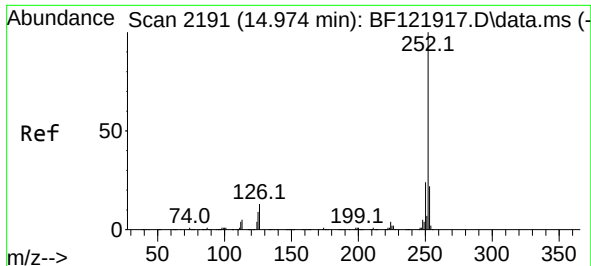
Tgt Ion:264 Resp: 209125
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.9 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 8.54 ng
RT: 14.910 min Scan# 2180
Delta R.T. 0.012 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

Tgt Ion:252 Resp: 120773
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 11.1 8.0 12.0

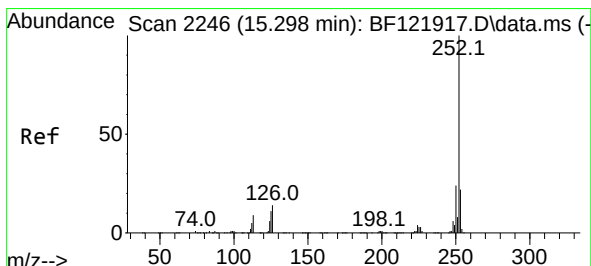
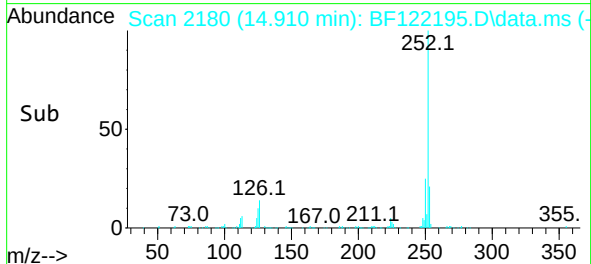
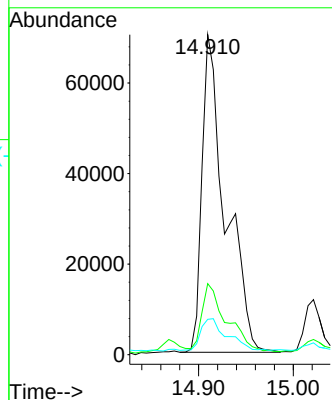
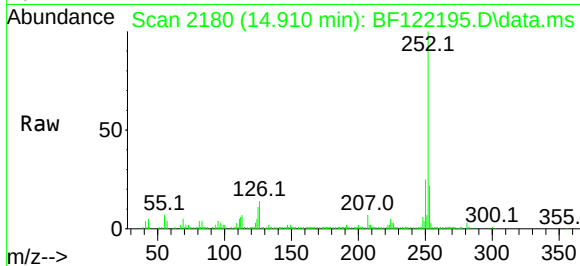




#89
Benzo(k)fluoranthene
Concen: 8.99 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

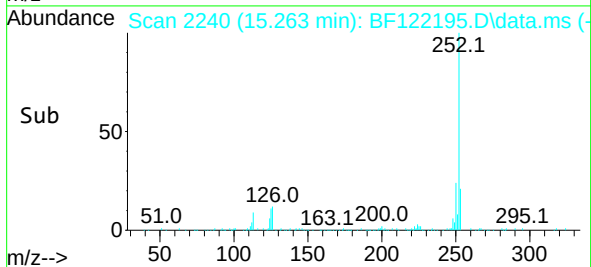
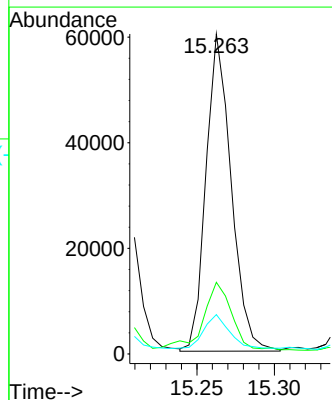
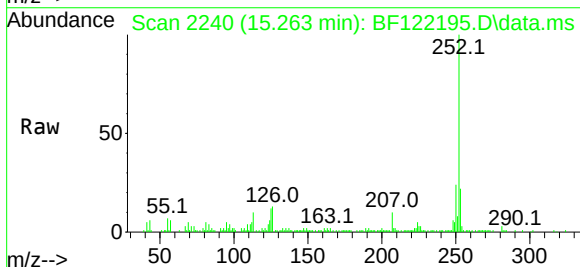
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-063-B

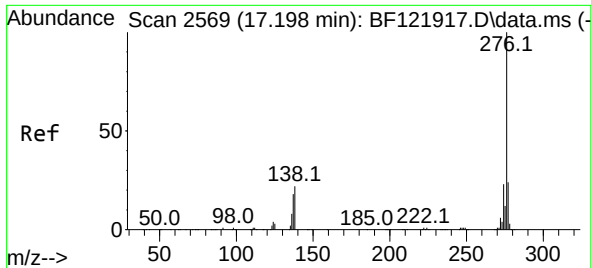
Tgt Ion:252 Resp: 120773
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.1 7.7 11.5



#90
Benzo(a)pyrene
Concen: 5.57 ng
RT: 15.263 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

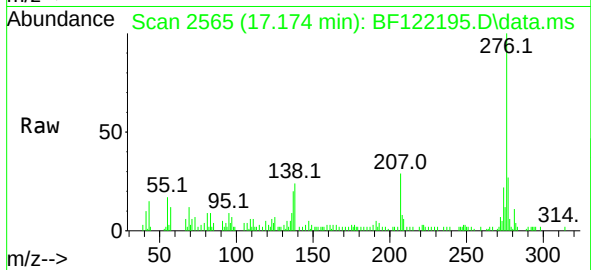
Tgt Ion:252 Resp: 68002
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 12.3 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 4.01 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.041 min
Lab File: BF122195.D
Acq: 30 Oct 2020 22:54

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



Tgt Ion:	276	Resp:	44901
Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.4	29.2
138	23.9	17.8	26.6

