

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122197.D
 Acq On : 30 Oct 2020 23:56
 Operator : JU/CG
 Sample : L4564-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-017-B

Quant Time: Oct 31 03:02:10 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)

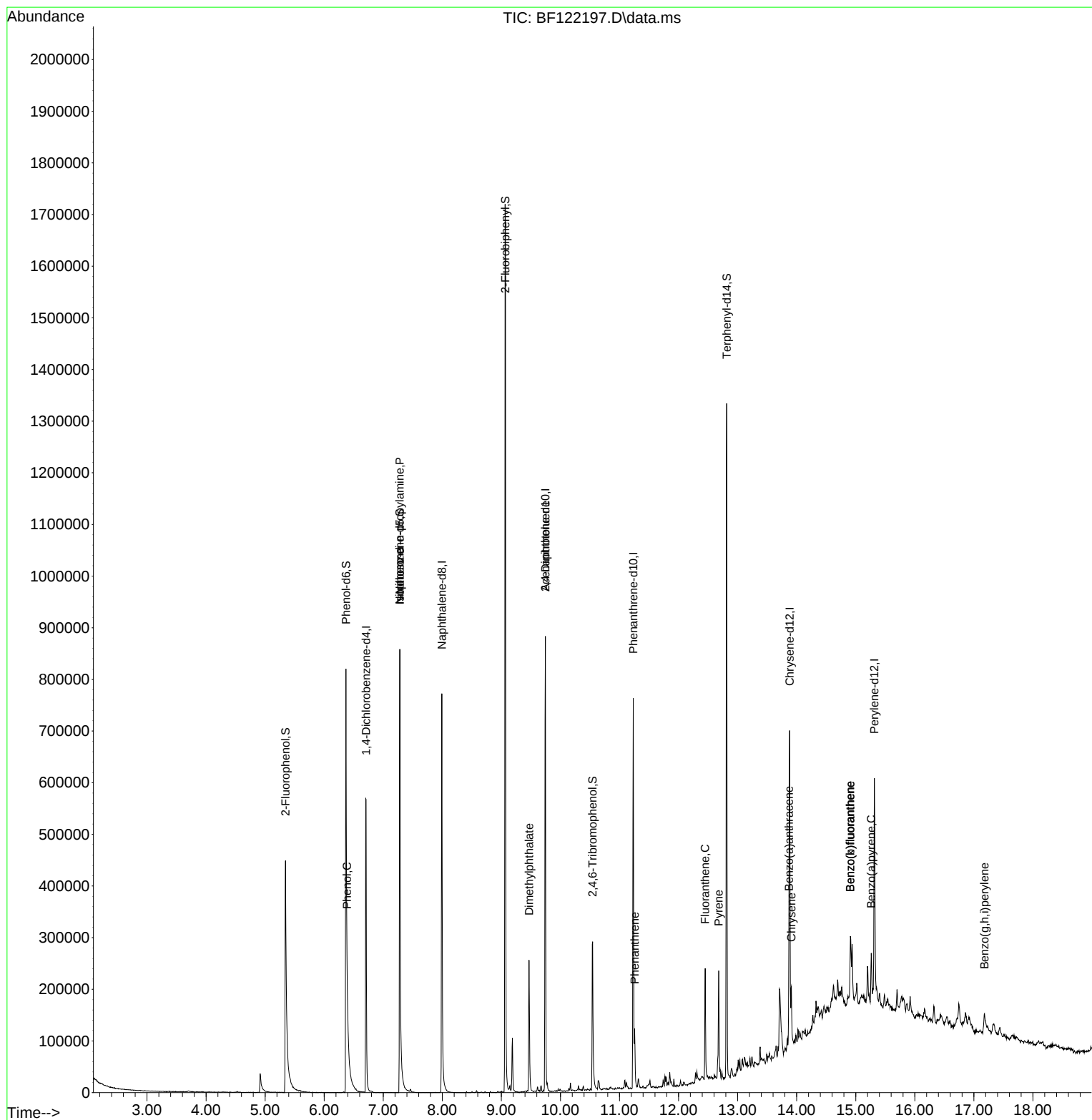
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	96860	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	371032	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	178179	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	274718	20.00	ng	0.00
76) Chrysene-d12	13.880	240	190543	20.00	ng	0.00
86) Perylene-d12	15.315	264	197708	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	238326	36.32	ng	0.01
7) Phenol-d6	6.369	99	421184	49.86	ng	0.00
23) Nitrobenzene-d5	7.281	82	329858	45.59	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	45248	20.53	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	577975	47.73	ng	0.00
79) Terphenyl-d14	12.816	244	394835	39.49	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	657	Below Cal	#	3
10) Phenol	6.387	94	26906	3.09 ng	#	81
19) n-Nitroso-di-n-propyla...	7.281	70	42323	8.80 ng	#	81
25) Isophorone	7.281	82	329858	24.11 ng	#	67
50) Dimethylphthalate	9.469	163	112564	8.64 ng		100
57) 2,4-Dinitrotoluene	9.745	165	22687	6.45 ng	#	19
71) Phenanthrene	11.257	178	41081	2.73 ng		99
75) Fluoranthene	12.451	202	85767	5.31 ng		98
78) Pyrene	12.680	202	79572	5.48 ng		99
81) Benzo(a)anthracene	13.868	228	44495	3.56 ng		98
83) Chrysene	13.910	228	42573	3.47 ng		98
88) Benzo(b)fluoranthene	14.910	252	86417	6.47 ng	#	98
89) Benzo(k)fluoranthene	14.910	252	86417	6.81 ng	#	97
90) Benzo(a)pyrene	15.262	252	46719	4.05 ng	#	96
92) Benzo(g,h,i)perylene	17.180	276	30190	2.85 ng		97

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

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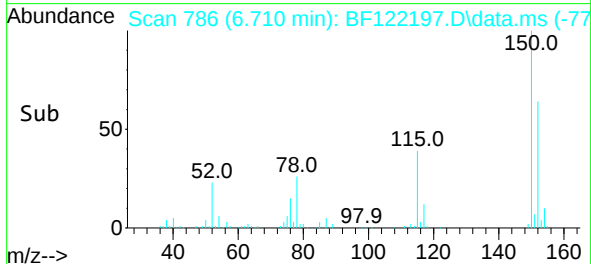
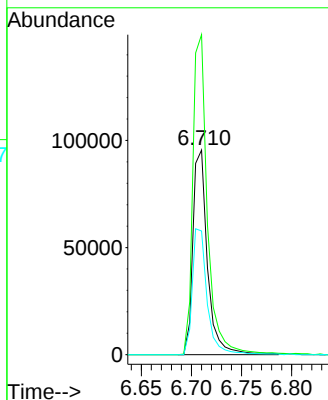
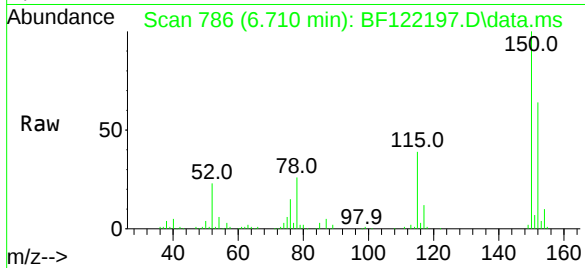




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122197.D
 Acq: 30 Oct 2020 23:56

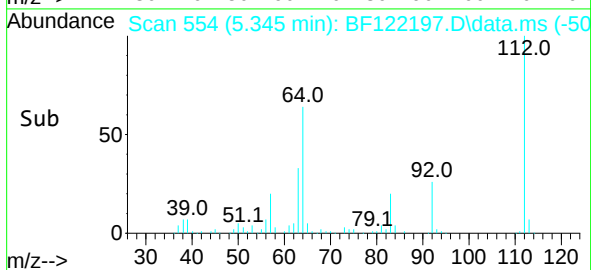
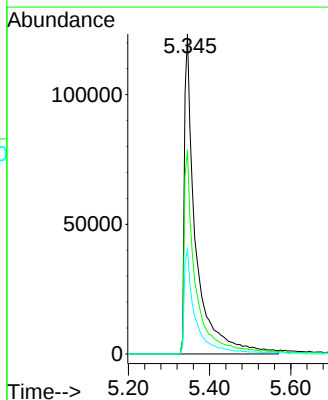
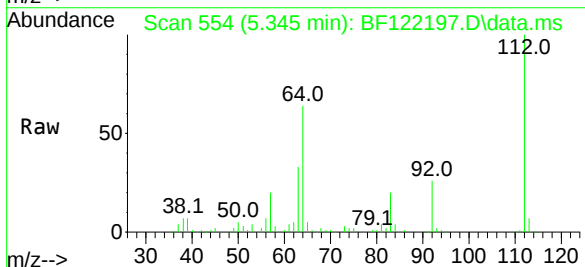
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-017-B

Tgt Ion:152 Resp: 96860
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.3 187.9
 115 60.4 51.9 77.9



#5
 2-Fluorophenol
 Concen: 36.32 ng
 RT: 5.345 min Scan# 554
 Delta R.T. 0.012 min
 Lab File: BF122197.D
 Acq: 30 Oct 2020 23:56

Tgt Ion:112 Resp: 238326
 Ion Ratio Lower Upper
 112 100
 64 63.8 50.4 75.6
 63 32.6 25.8 38.6

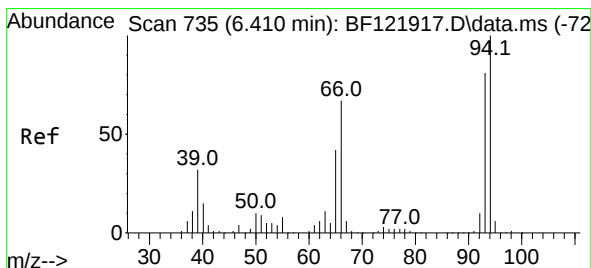
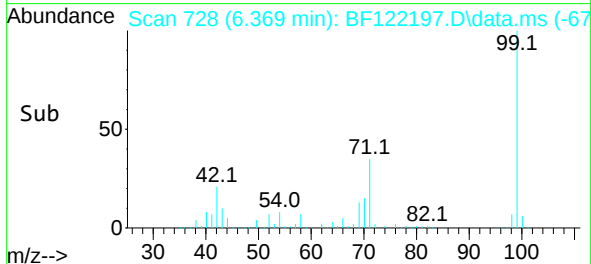
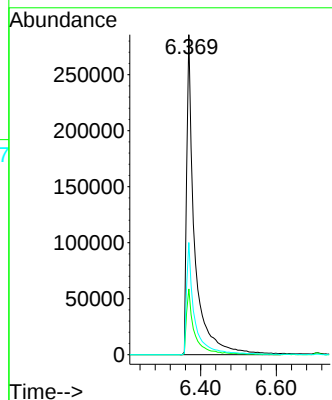
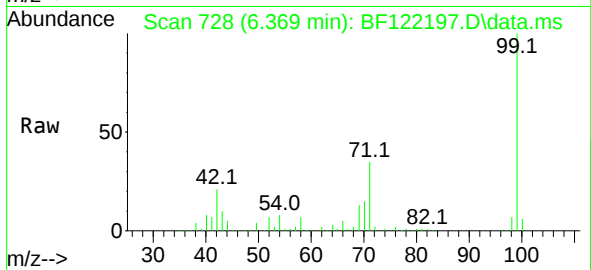




#7
Phenol-d6
Concen: 49.86 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

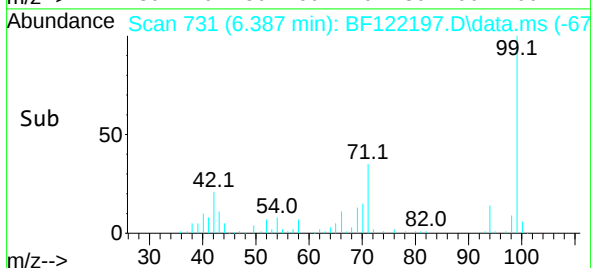
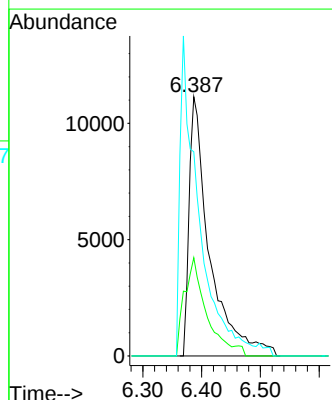
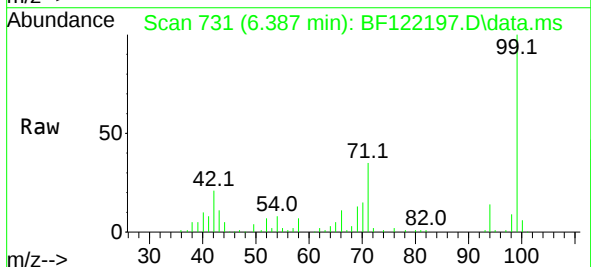
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B

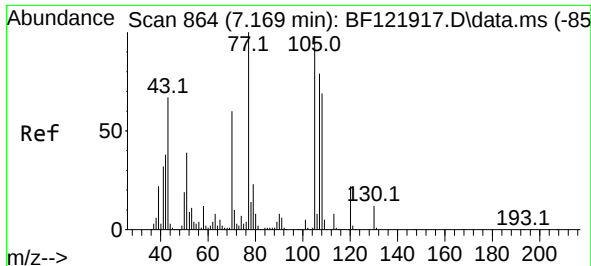
Tgt Ion: 99 Resp: 421184
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 35.1 27.1 40.7



#10
Phenol
Concen: 3.09 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion: 94 Resp: 26906
Ion Ratio Lower Upper
94 100
65 37.9 17.1 57.1
66 78.8 36.0 76.0#

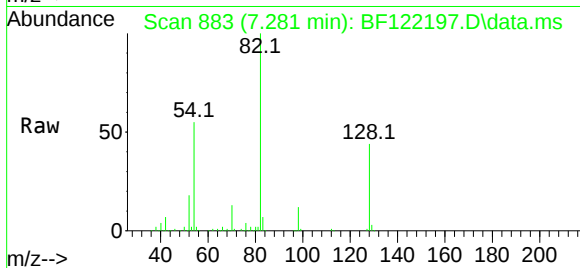




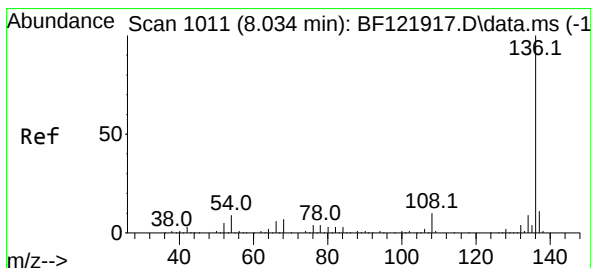
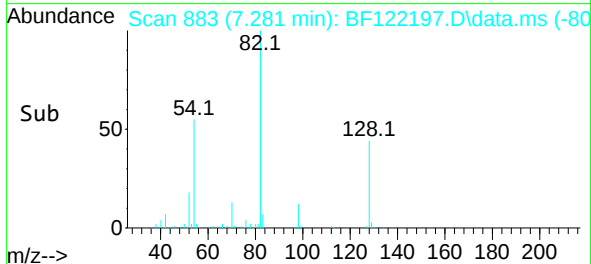
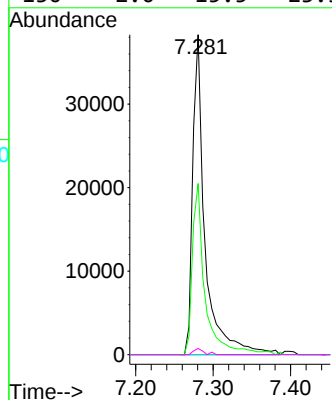
#19

n-Nitroso-di-n-propylamine
Concen: 8.80 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B



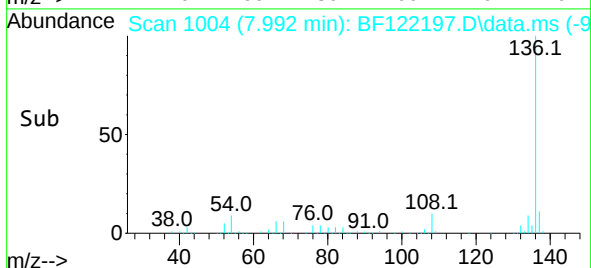
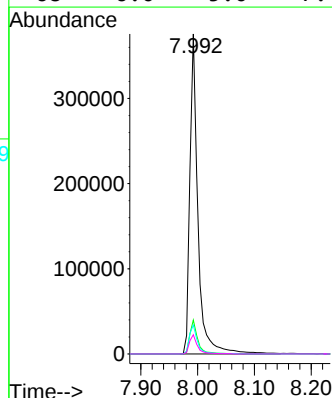
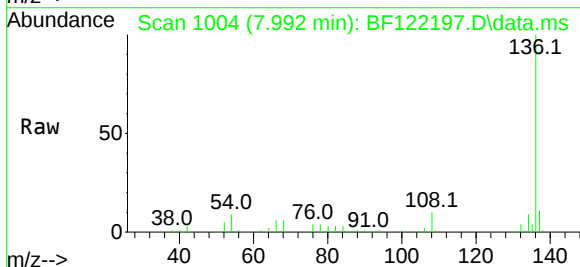
Tgt Ion: 70 Resp: 42323
Ion Ratio Lower Upper
70 100
42 53.5 50.2 75.4
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

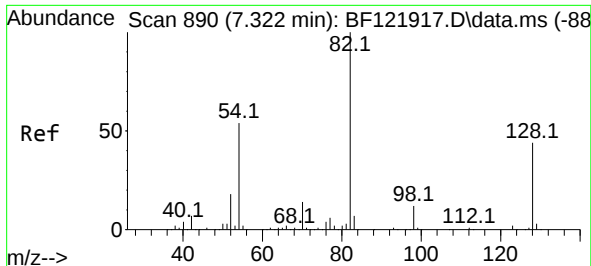


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion: 136 Resp: 371032
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.1 7.1 10.7
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 45.59 ng

RT: 7.281 min Scan# 883

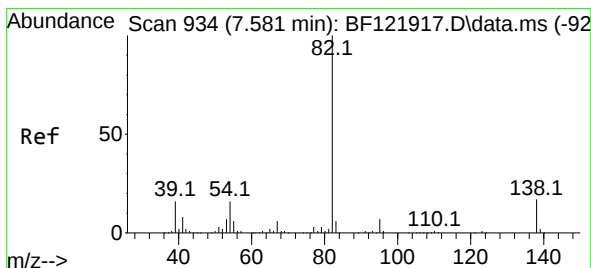
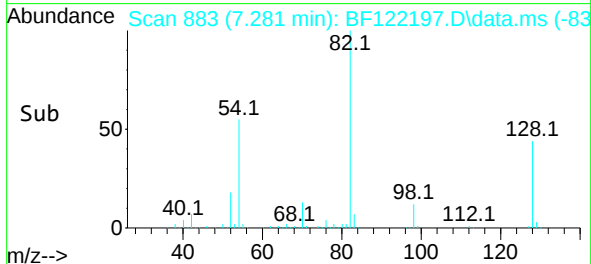
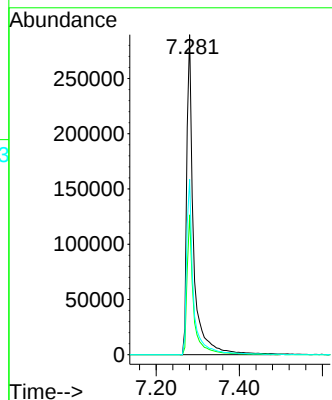
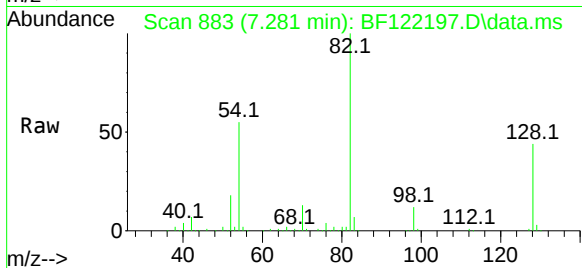
Delta R.T. -0.006 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

Tgt Ion: 82 Resp: 329858

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.0	52.4
54	54.7	43.9	65.9



#25

Isophorone

Concen: 24.11 ng

RT: 7.281 min Scan# 883

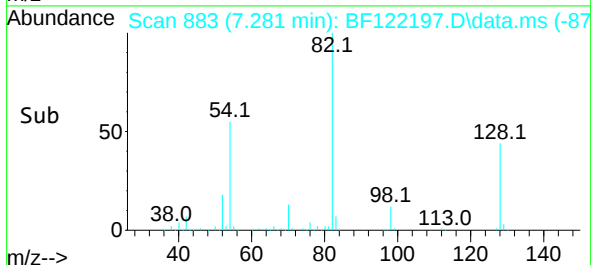
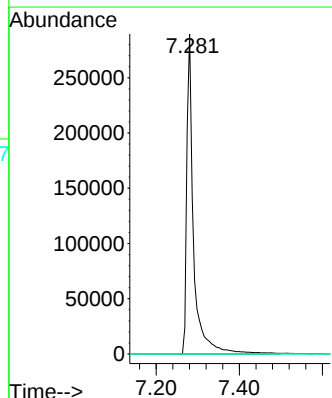
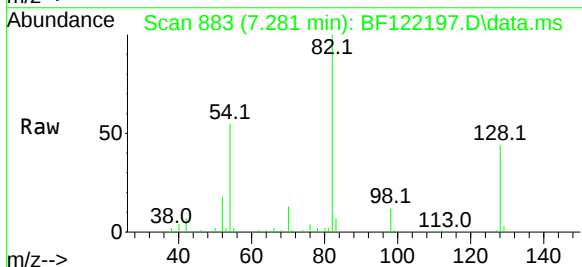
Delta R.T. -0.265 min

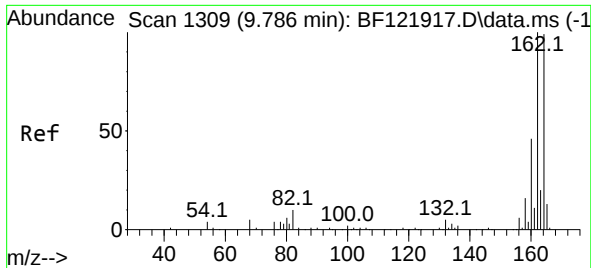
Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

Tgt Ion: 82 Resp: 329858

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

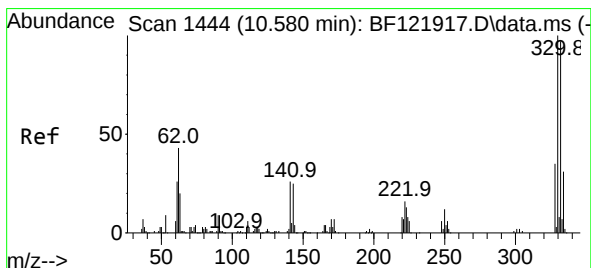
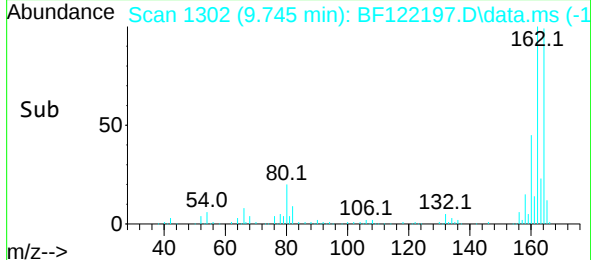
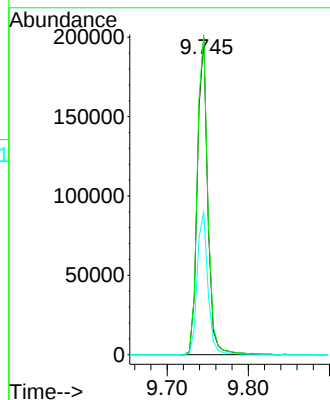
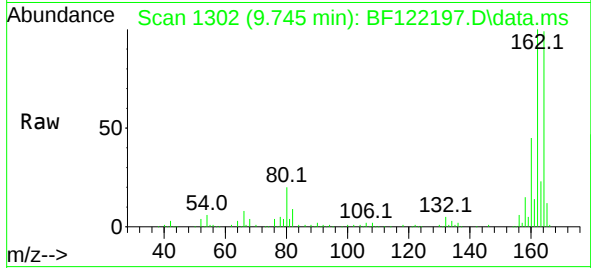




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

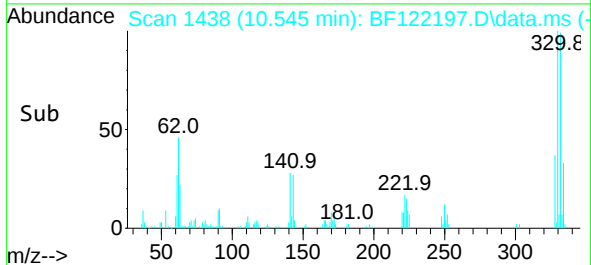
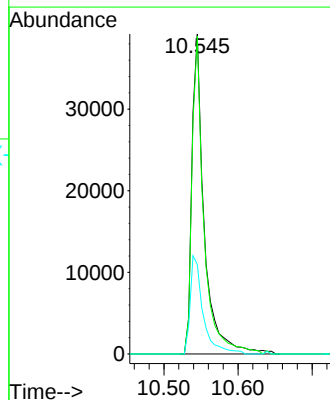
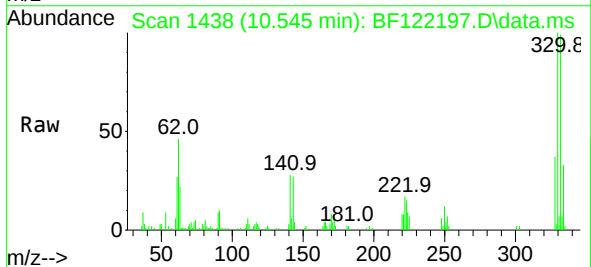
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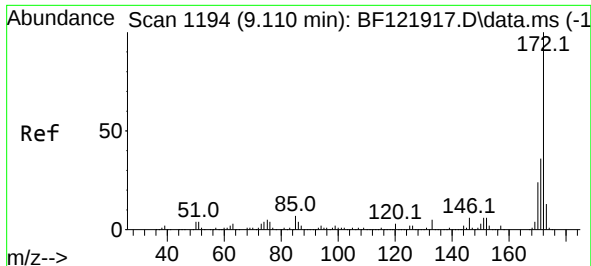
Tgt Ion:164 Resp: 178179
Ion Ratio Lower Upper
164 100
162 101.1 83.2 124.8
160 45.0 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 20.53 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:330 Resp: 45248
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 32.1 22.3 33.5

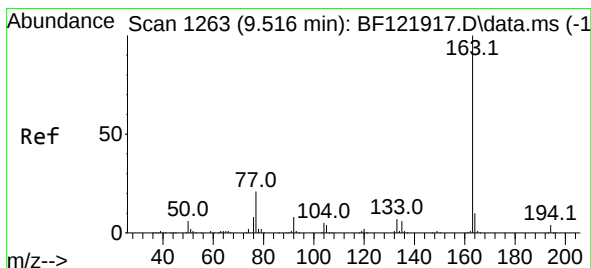
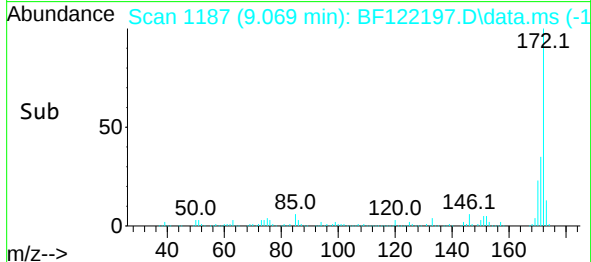
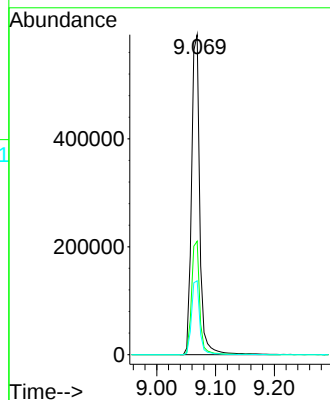
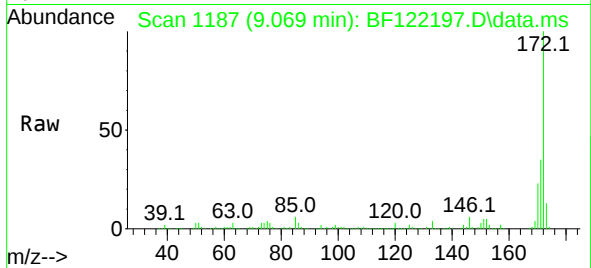




#45
2-Fluorobiphenyl
Concen: 47.73 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

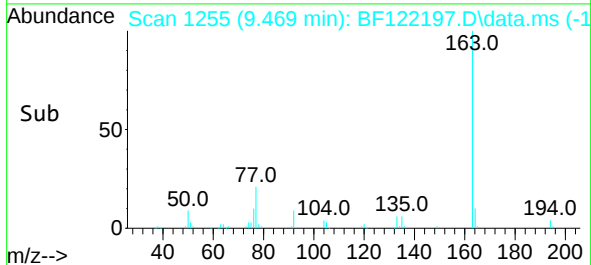
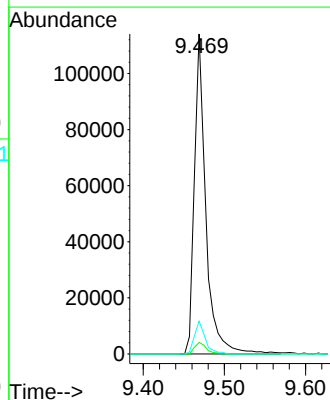
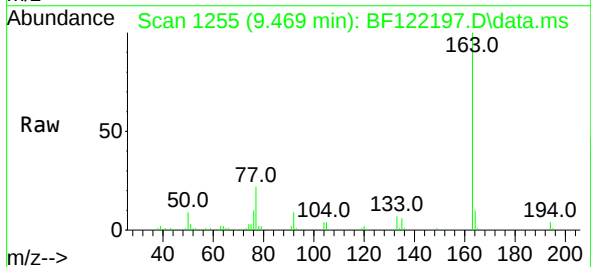
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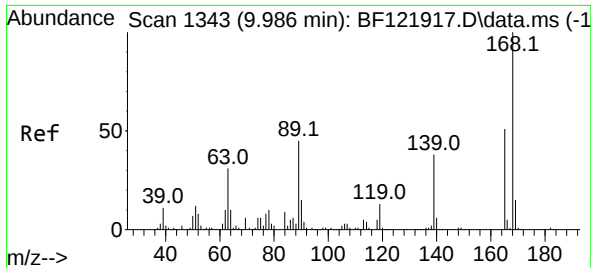
Tgt Ion:172 Resp: 577975
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 23.1 19.8 29.6



#50
Dimethylphthalate
Concen: 8.64 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:163 Resp: 112564
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 10.3 8.2 12.4

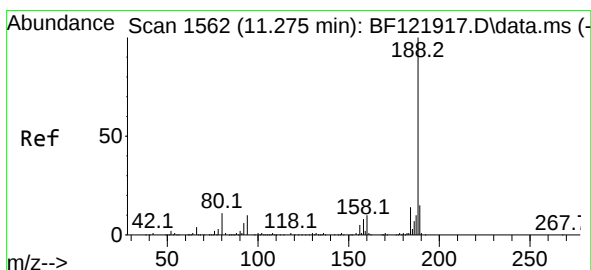
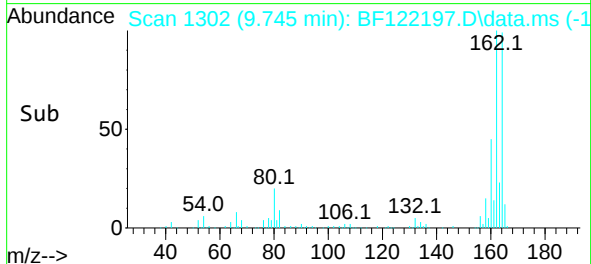
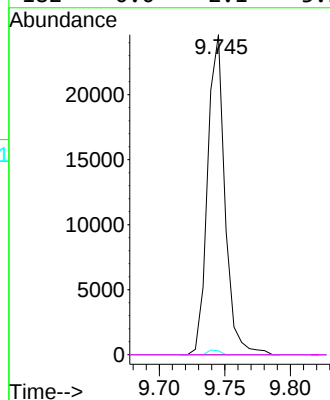
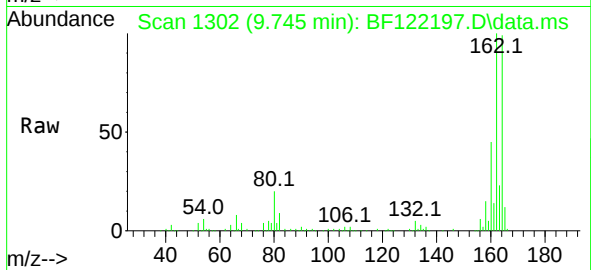




#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

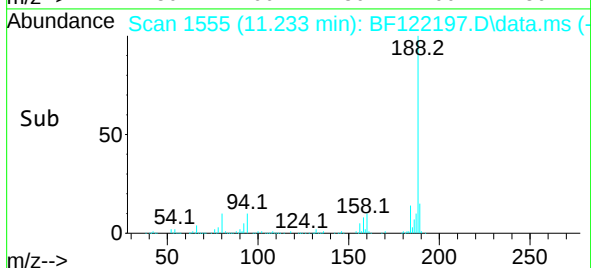
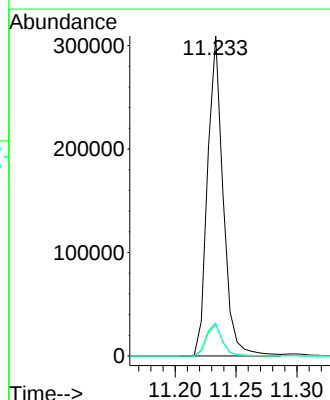
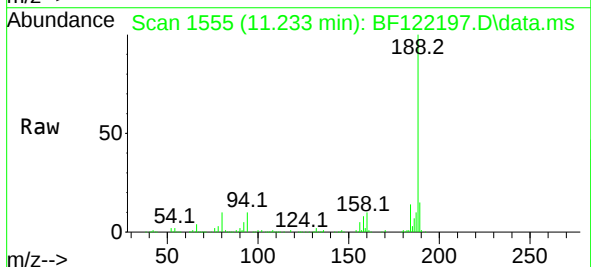
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B

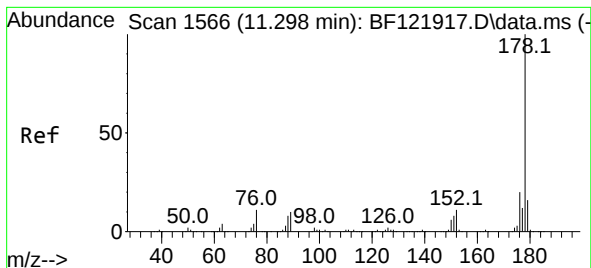
Tgt Ion:165	Resp:	22687
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.3
89	1.2	61.8
182	0.0	2.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:188	Resp:	274718
Ion Ratio	Lower	Upper
188	100	
94	10.0	8.3
80	10.4	9.1





#71

Phenanthrene

Concen: 2.73 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

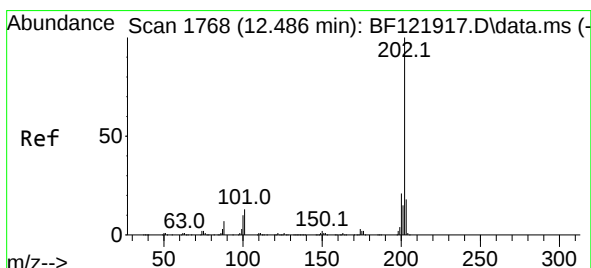
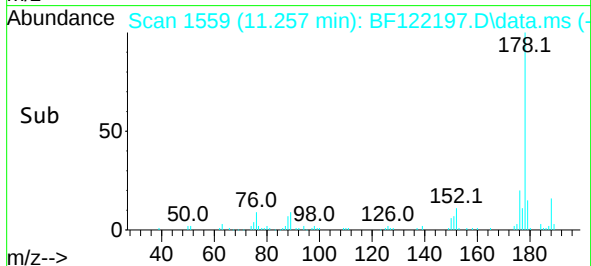
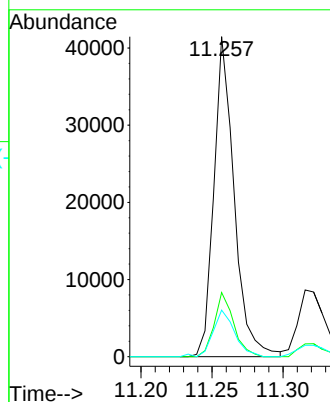
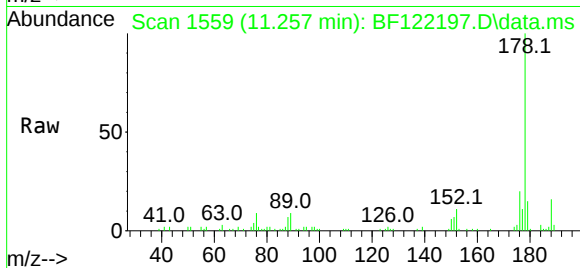
Tgt Ion:178 Resp: 41081

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 14.5 12.2 18.4



#75

Fluoranthene

Concen: 5.31 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.000 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

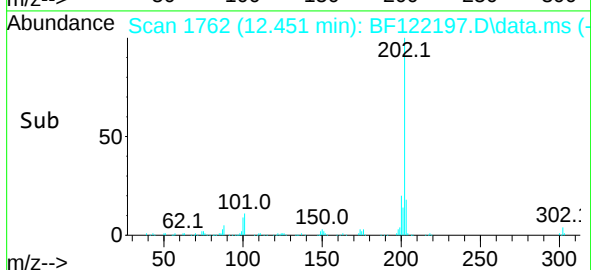
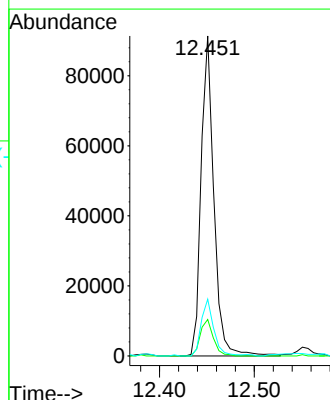
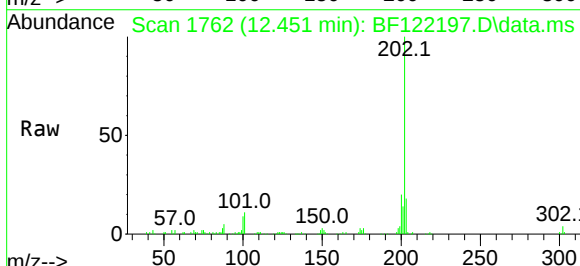
Tgt Ion:202 Resp: 85767

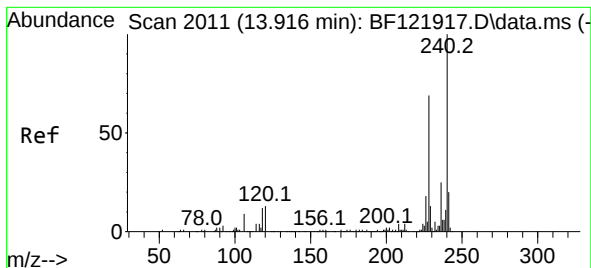
Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.4

203 17.8 0.0 37.9

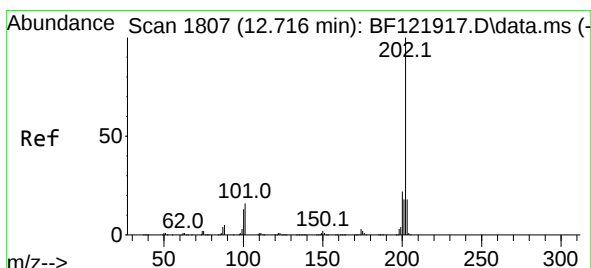
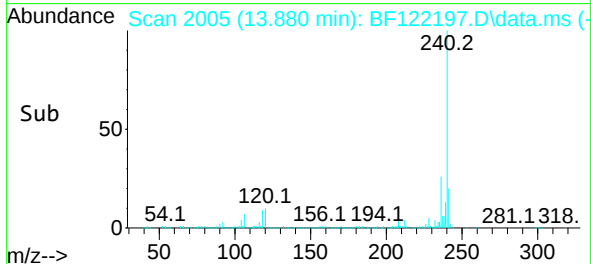
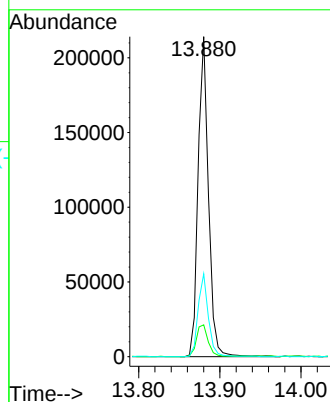
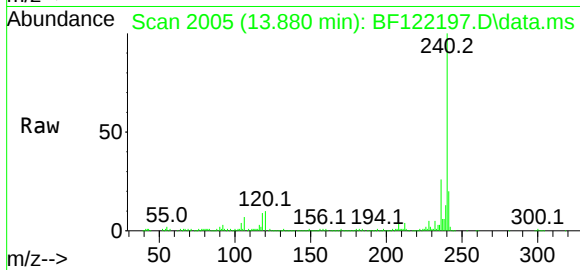




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

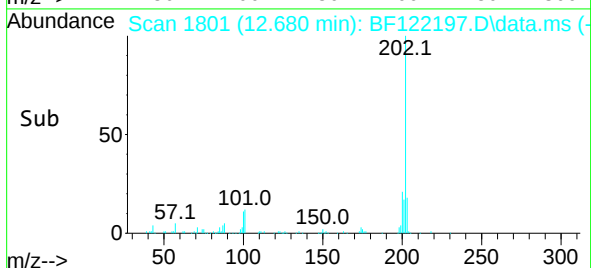
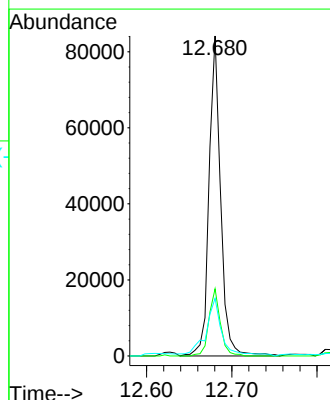
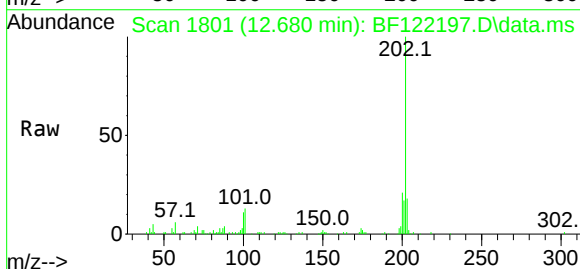
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B

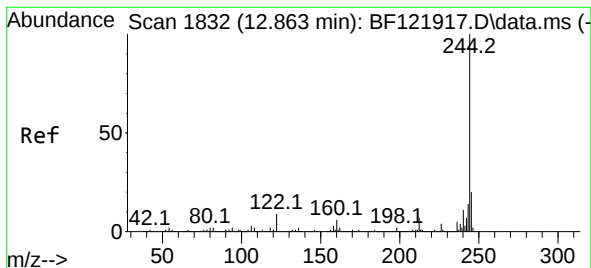
Tgt Ion:240 Resp: 190543
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 25.9 20.9 31.3



#78
Pyrene
Concen: 5.48 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:202 Resp: 79572
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 39.49 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

Tgt Ion:244 Resp: 394835

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

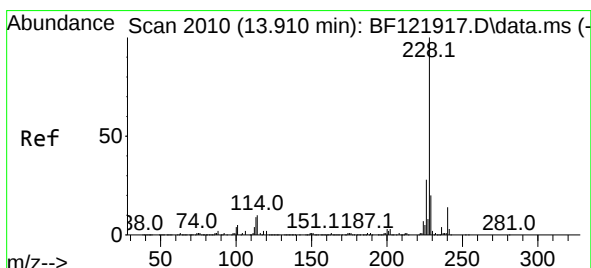
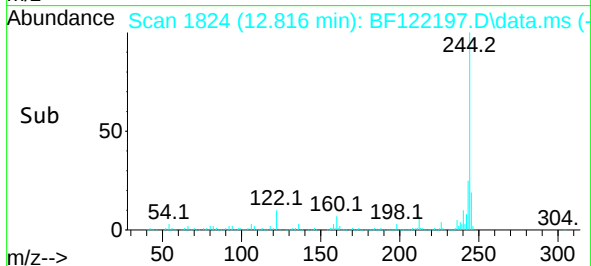
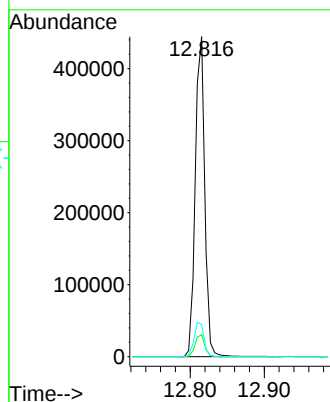
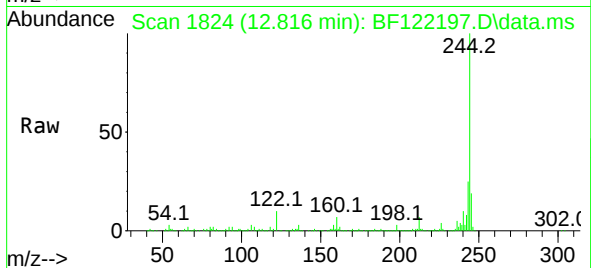
122 10.0 8.1 12.1

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-017-B



#81

Benzo(a)anthracene

Concen: 3.56 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

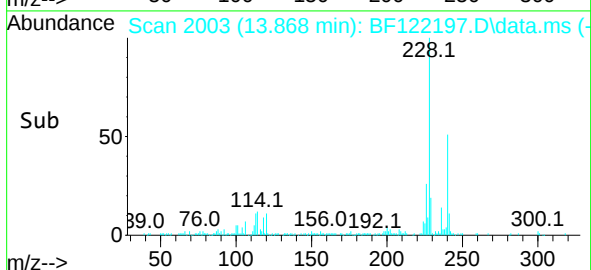
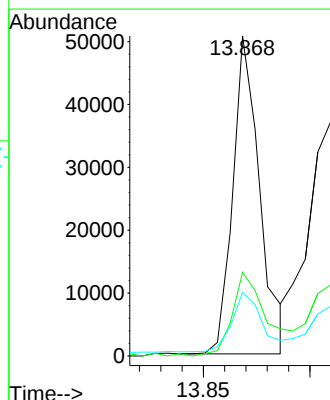
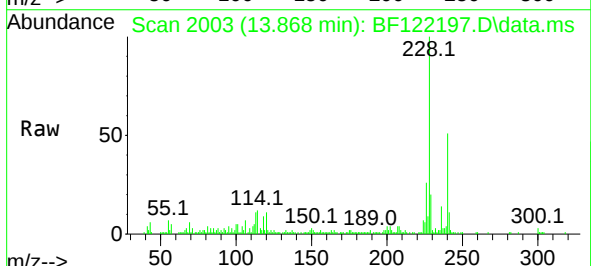
Tgt Ion:228 Resp: 44495

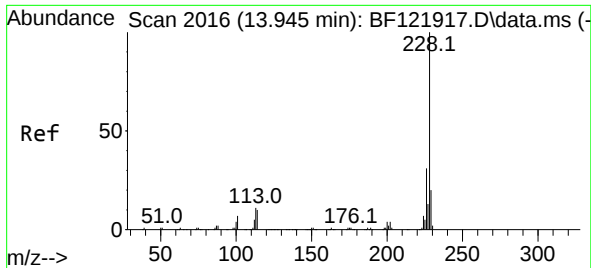
Ion Ratio Lower Upper

228 100

226 26.2 22.3 33.5

229 19.9 16.2 24.4

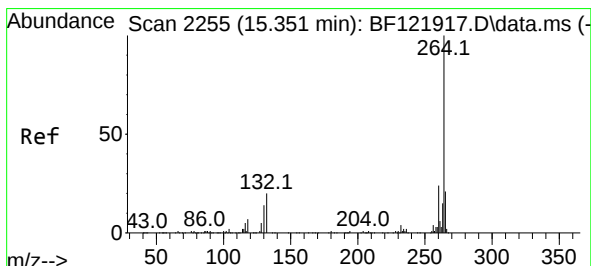
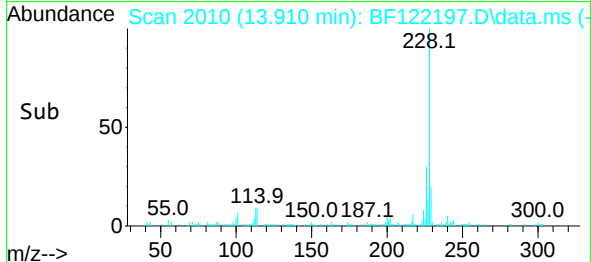
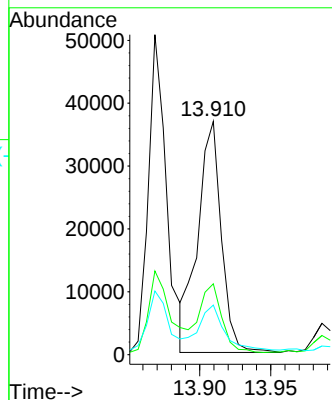
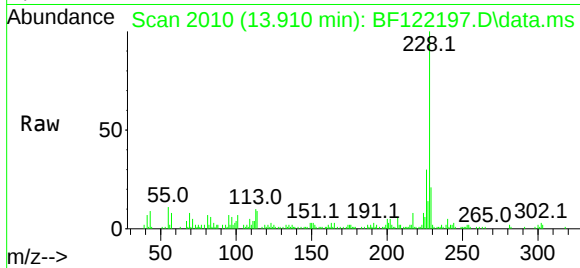




#83
Chrysene
Concen: 3.47 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

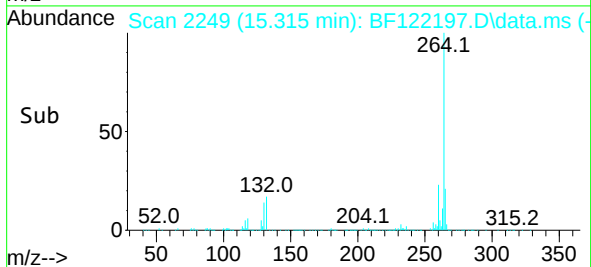
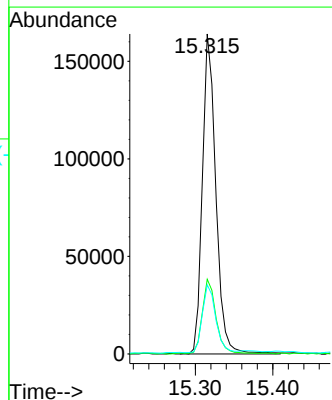
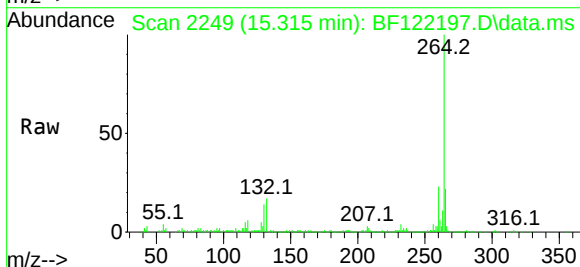
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B

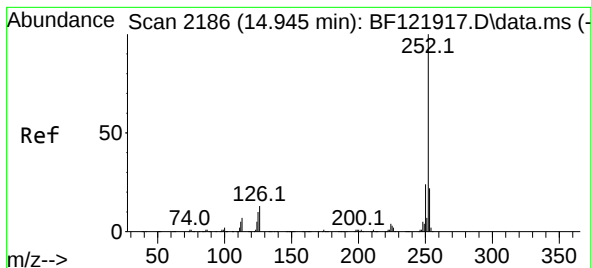
Tgt Ion:228	Resp:	42573
Ion Ratio	Lower	Upper
228	100	
226	30.4	24.6 37.0
229	21.2	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:264	Resp:	197708
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.7 28.1
265	21.6	17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 6.47 ng

RT: 14.910 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

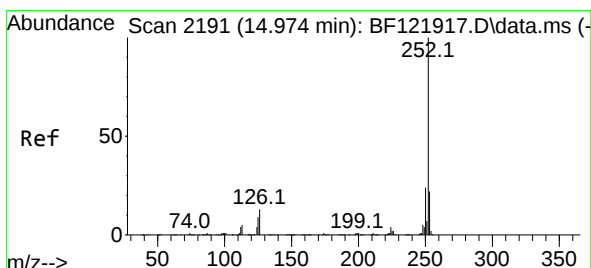
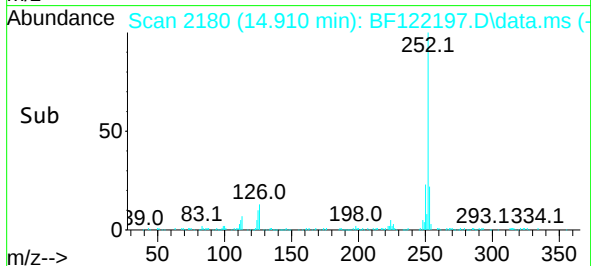
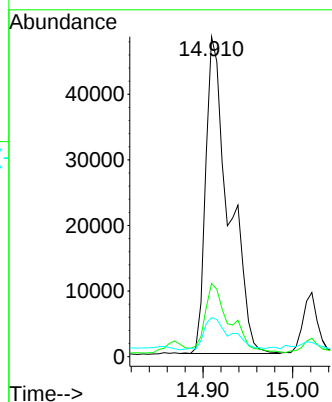
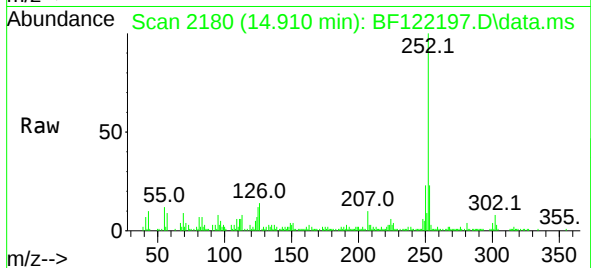
Tgt Ion:252	Resp:	86417
Ion Ratio	Lower	Upper
252	100	
253	22.9	18.2 27.2
125	12.2	8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-017-B



#89

Benzo(k)fluoranthene

Concen: 6.81 ng

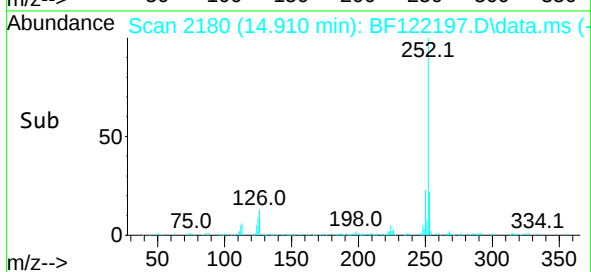
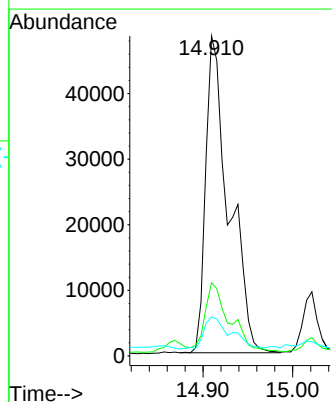
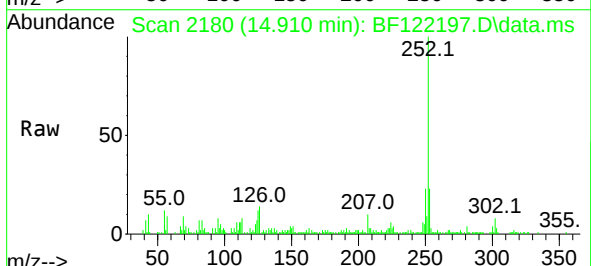
RT: 14.910 min Scan# 2180

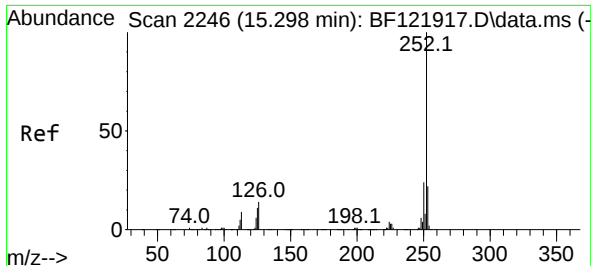
Delta R.T. -0.018 min

Lab File: BF122197.D

Acq: 30 Oct 2020 23:56

Tgt Ion:252	Resp:	86417
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.8 26.6
125	12.2	7.7 11.5#

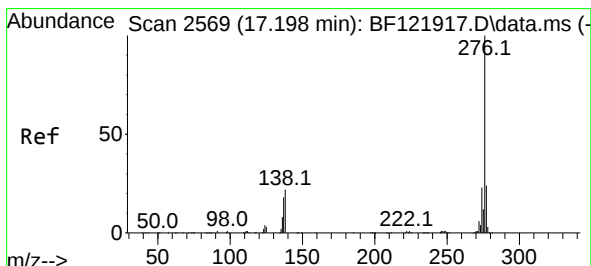
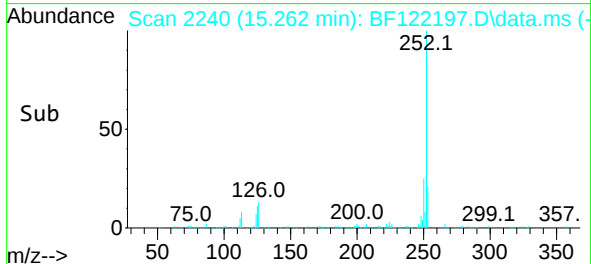
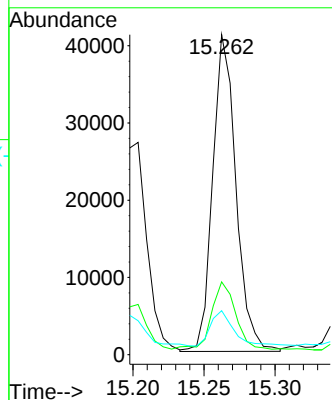
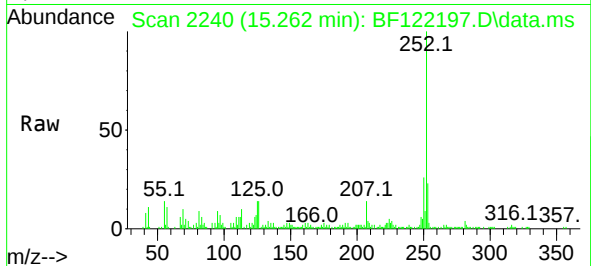




#90
Benzo(a)pyrene
Concen: 4.05 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-017-B

Tgt Ion:252 Resp: 46719
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 13.8 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.85 ng
RT: 17.180 min Scan# 2566
Delta R.T. 0.047 min
Lab File: BF122197.D
Acq: 30 Oct 2020 23:56

Tgt Ion:276 Resp: 30190
Ion Ratio Lower Upper
276 100
277 26.8 19.4 29.2
138 22.8 17.8 26.6

