

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110420\
 Data File : BF122261.D
 Acq On : 4 Nov 2020 14:02
 Operator : JU/CG
 Sample : L4619-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

Quant Time: Nov 04 15:28:26 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)

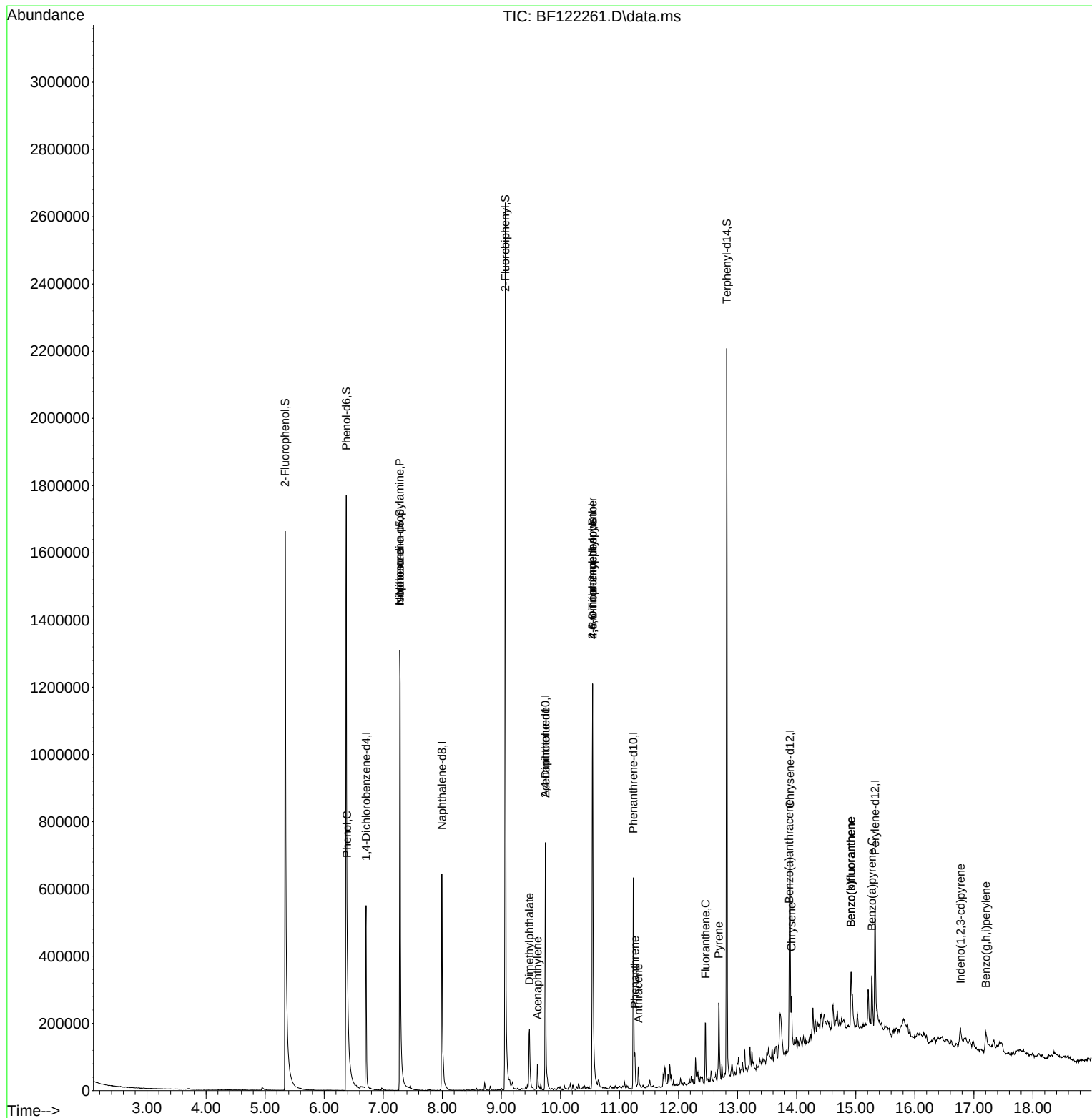
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	85098	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	334904	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	159367	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	250926	20.00	ng	0.00
76) Chrysene-d12	13.886	240	195375	20.00	ng	0.00
86) Perylene-d12	15.327	264	192366	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	664524	115.25	ng	0.00
7) Phenol-d6	6.375	99	833147	112.25	ng	0.00
23) Nitrobenzene-d5	7.281	82	534321	81.82	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	198845	100.87	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	887872	81.97	ng	0.00
79) Terphenyl-d14	12.816	244	649603	63.36	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1323	Below Cal	#	3
10) Phenol	6.387	94	31639	4.13	ng	# 56
19) n-Nitroso-di-n-propyla...	7.281	70	72365	17.12	ng	# 81
25) Isophorone	7.281	82	534321	43.27	ng	# 67
49) Acenaphthylene	9.610	152	40097	2.59	ng	98
50) Dimethylphthalate	9.475	163	102678	8.81	ng	98
57) 2,4-Dinitrotoluene	9.745	165	20937	6.65	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.545	198	282	4.59	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	11390	3.93	ng	# 1
71) Phenanthrene	11.263	178	37804	2.75	ng	99
72) Anthracene	11.322	178	32866	2.30	ng	98
75) Fluoranthene	12.457	202	76504	5.19	ng	97
78) Pyrene	12.680	202	96979	6.51	ng	99
81) Benzo(a)anthracene	13.874	228	68814	5.37	ng	97
83) Chrysene	13.910	228	63259	5.03	ng	97
87) Indeno(1,2,3-cd)pyrene	16.774	276	39712	3.18	ng	# 92
88) Benzo(b)fluoranthene	14.921	252	112807	8.68	ng	99
89) Benzo(k)fluoranthene	14.921	252	112807	9.13	ng	98
90) Benzo(a)pyrene	15.274	252	78355	6.98	ng	97
92) Benzo(g,h,i)perylene	17.204	276	41961	4.08	ng	95

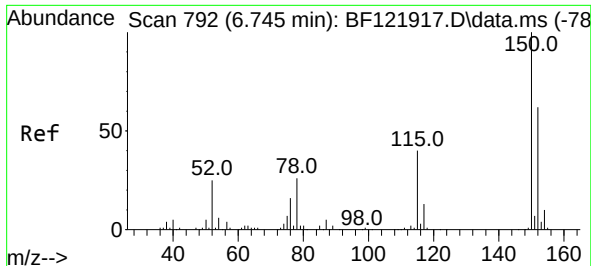
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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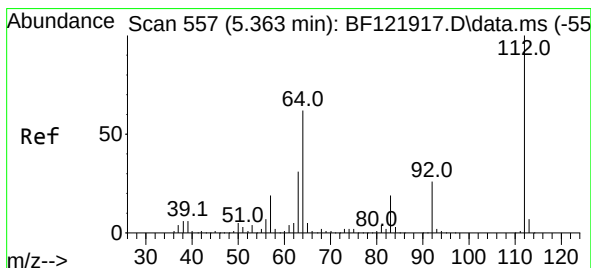
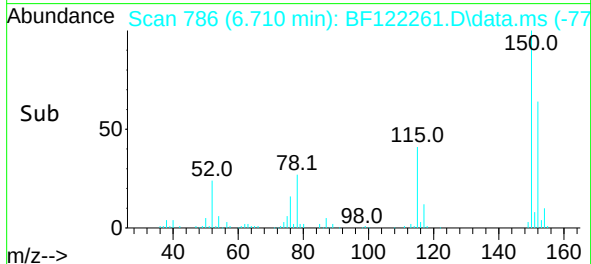
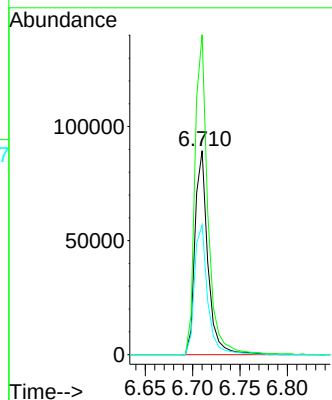
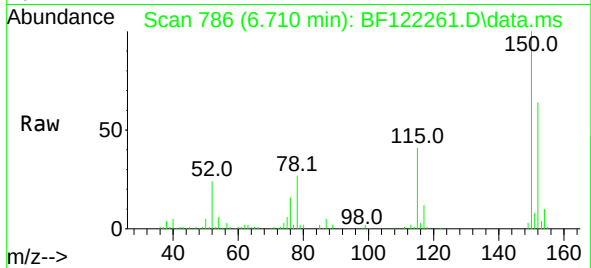




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

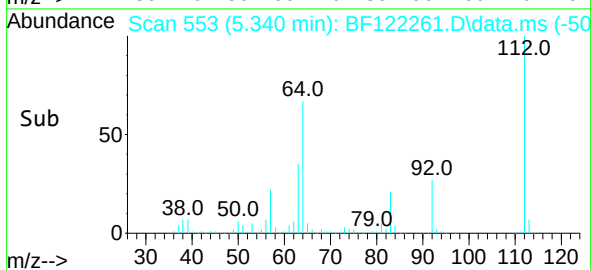
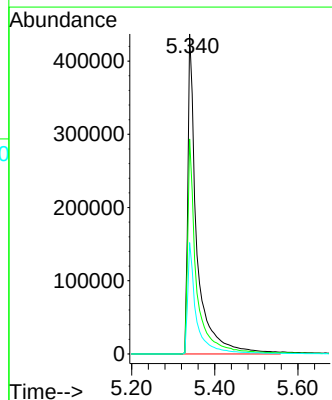
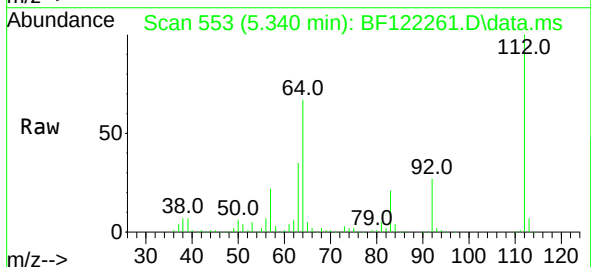
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

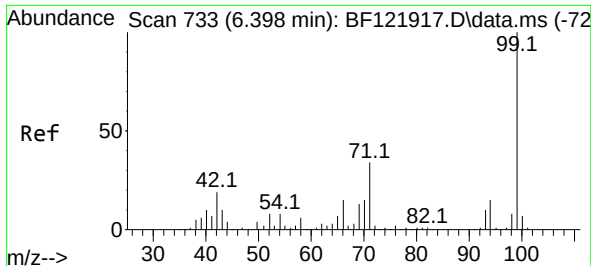
Tgt Ion:152 Resp: 85098
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 63.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 115.25 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

Tgt Ion:112 Resp: 664524
 Ion Ratio Lower Upper
 112 100
 64 67.2 50.4 75.6
 63 34.8 25.8 38.6

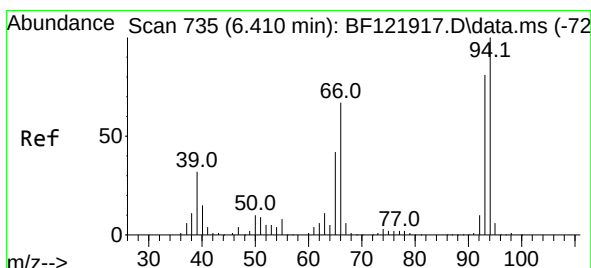
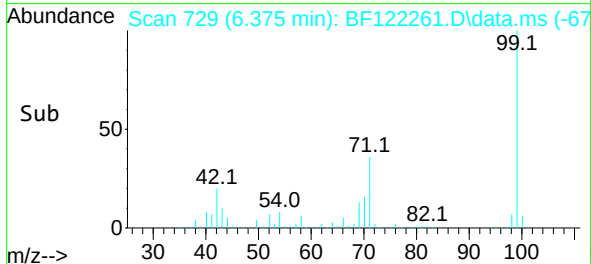
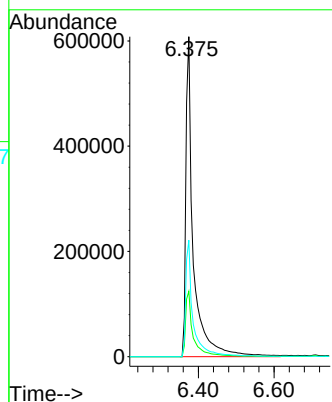
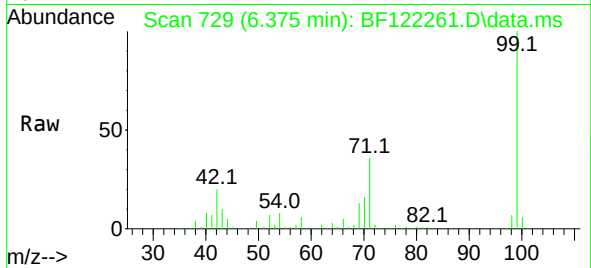




#7
Phenol-d6
Concen: 112.25 ng
RT: 6.375 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

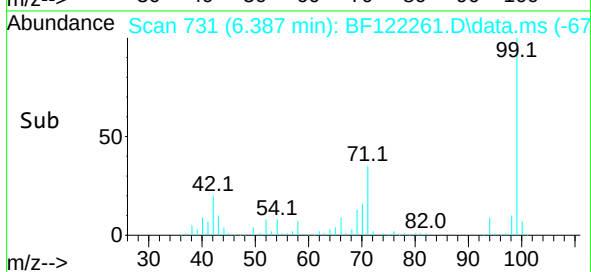
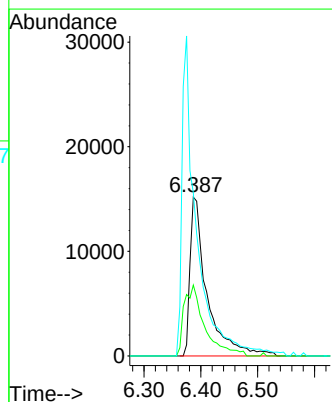
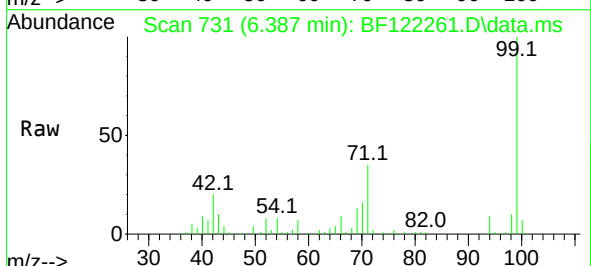
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

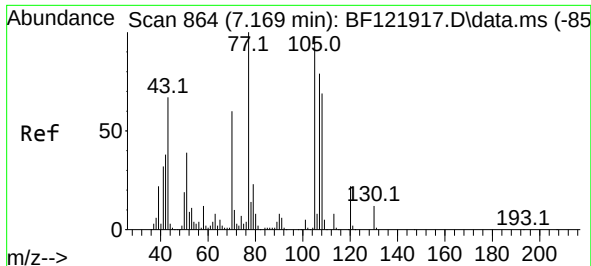
Tgt Ion: 99 Resp: 833147
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 36.4 27.1 40.7



#10
Phenol
Concen: 4.13 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion: 94 Resp: 31639
Ion Ratio Lower Upper
94 100
65 44.6 17.1 57.1
66 102.8 36.0 76.0#

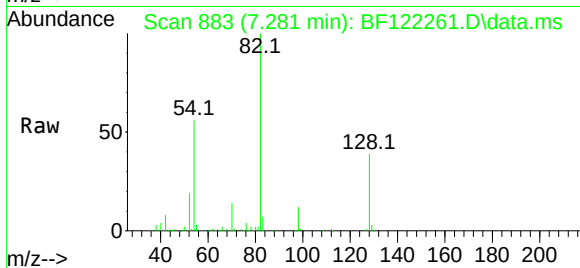




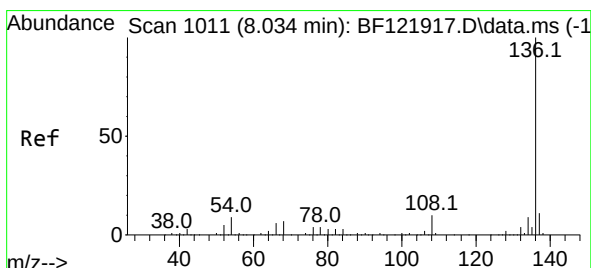
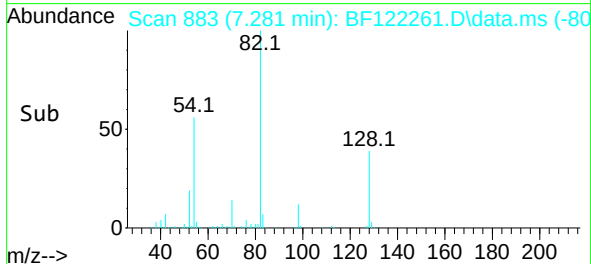
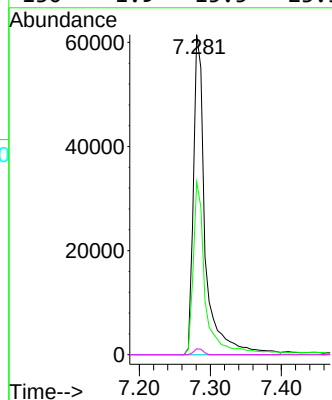
#19

n-Nitroso-di-n-propylamine
Concen: 17.12 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

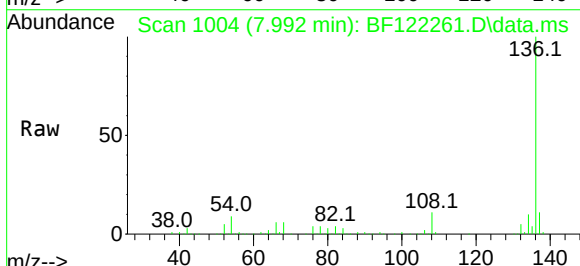


Tgt Ion: 70	Resp: 72365
Ion Ratio	Lower Upper
70 100	
42 54.0	50.2 75.4
101 0.0	7.5 11.3#
130 1.9	15.5 23.3#

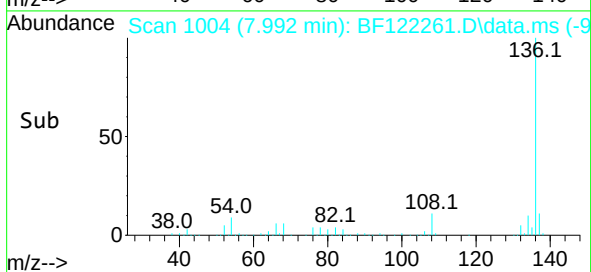
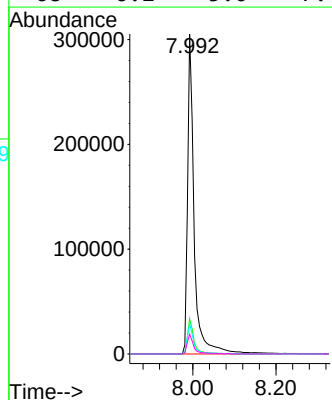


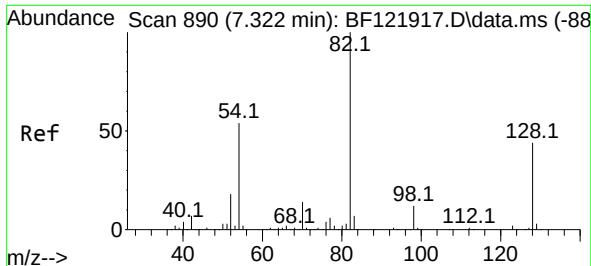
#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02



Tgt Ion	136	Resp:	334904
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.4	7.1	10.7
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 81.82 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF122261.D

Acq: 4 Nov 2020 14:02

Tgt Ion: 82 Resp: 534321

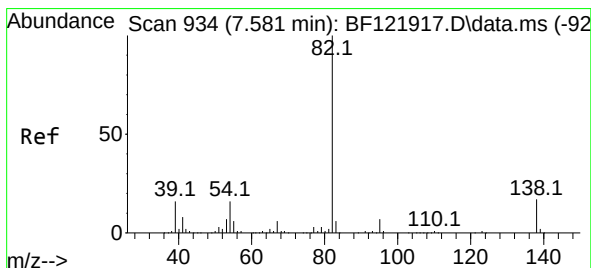
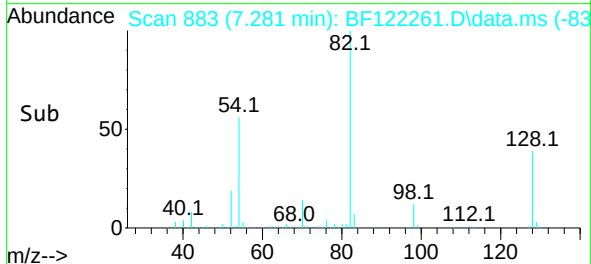
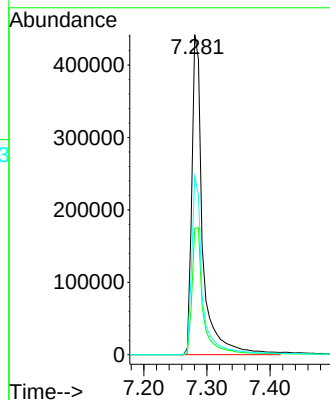
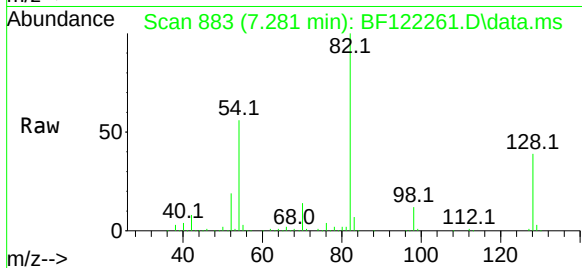
Ion	Ratio	Lower	Upper
82	100		
128	39.5	35.0	52.4
54	55.7	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP



#25

Isophorone

Concen: 43.27 ng

RT: 7.281 min Scan# 883

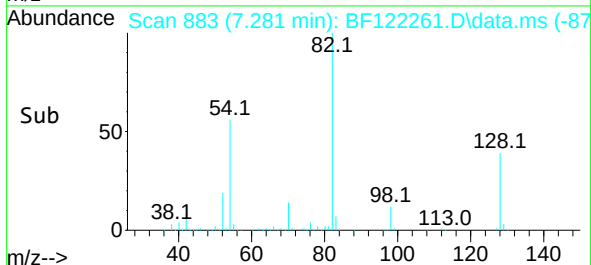
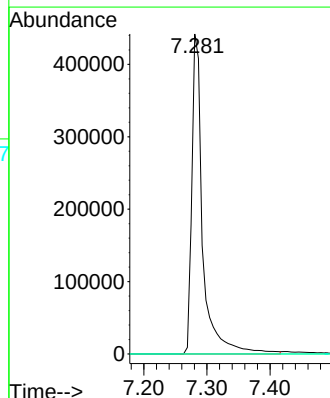
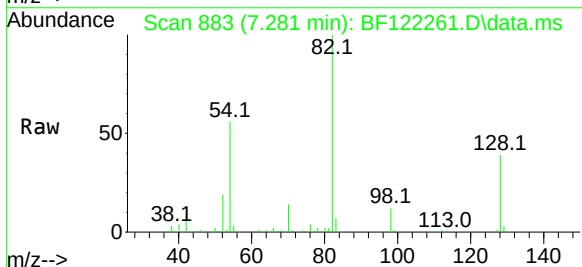
Delta R.T. -0.265 min

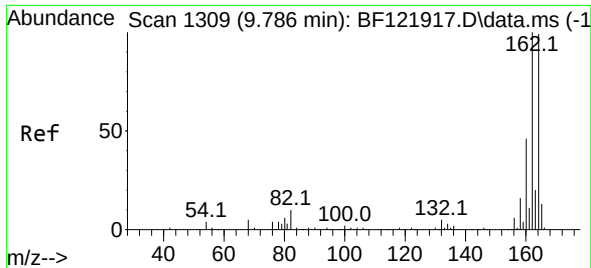
Lab File: BF122261.D

Acq: 4 Nov 2020 14:02

Tgt Ion: 82 Resp: 534321

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

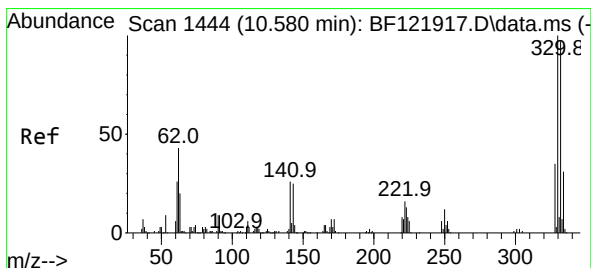
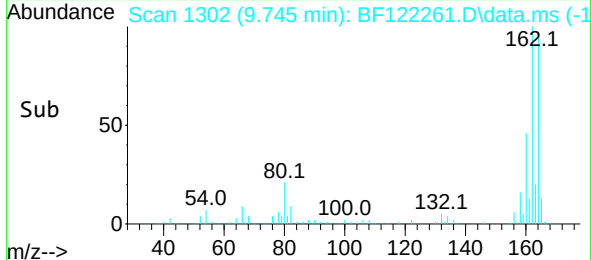
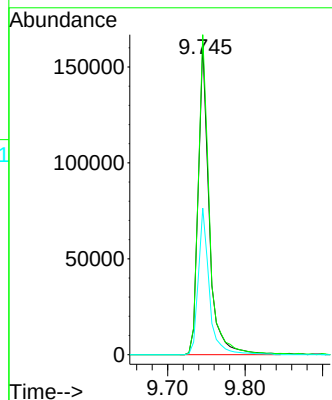
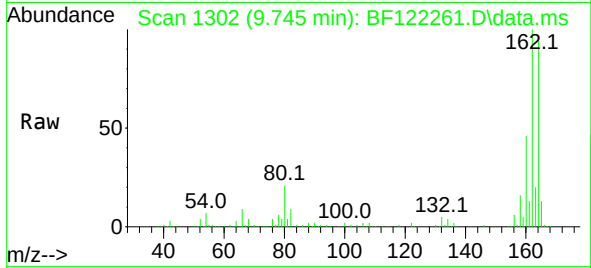




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

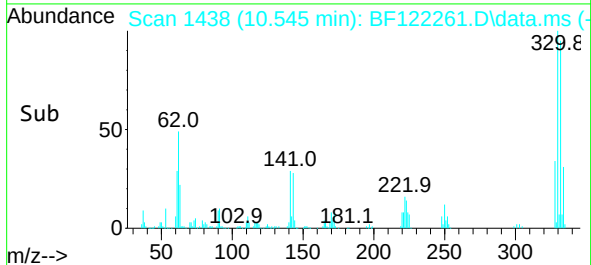
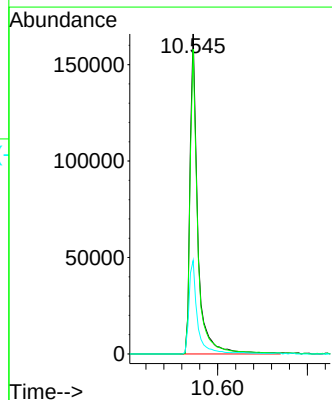
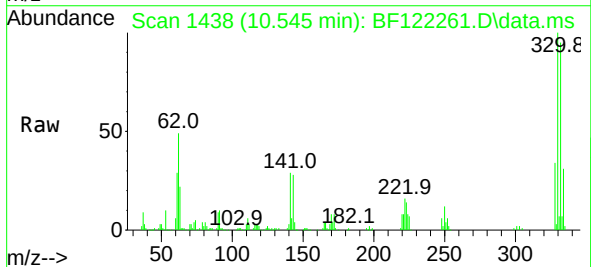
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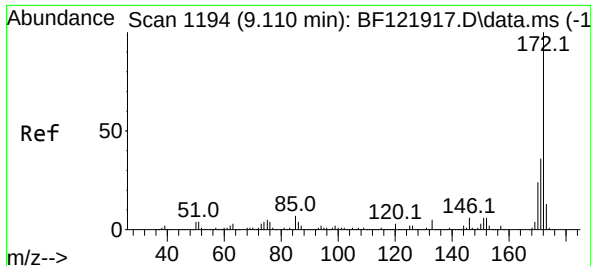
Tgt Ion:164 Resp: 159367
Ion Ratio Lower Upper
164 100
162 103.0 83.2 124.8
160 47.2 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 100.87 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:330 Resp: 198845
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 31.3 22.3 33.5

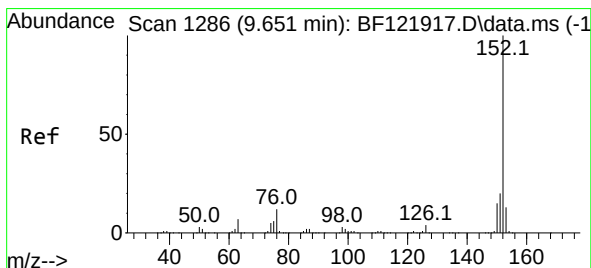
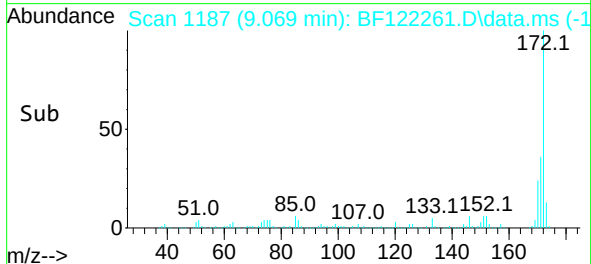
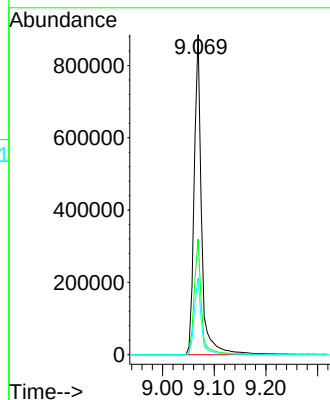
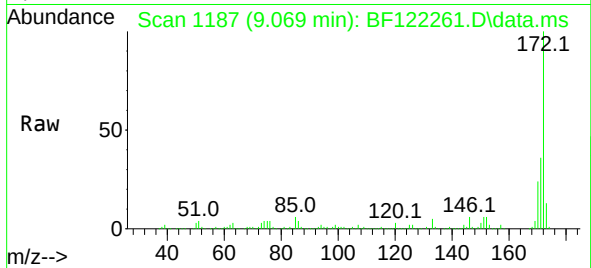




#45
2-Fluorobiphenyl
Concen: 81.97 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

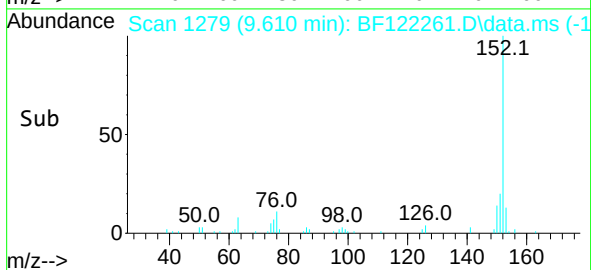
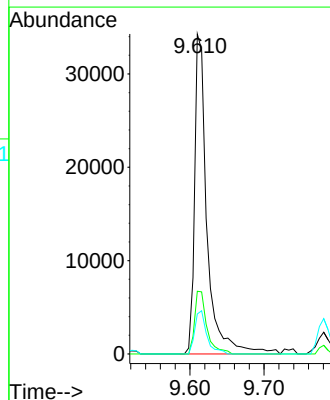
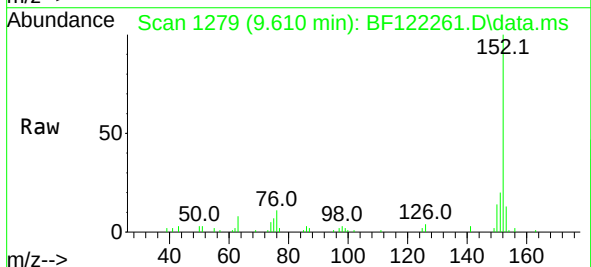
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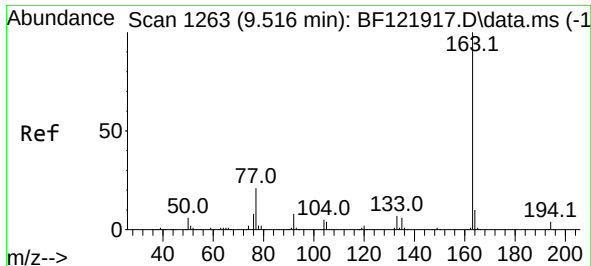
Tgt Ion:172 Resp: 887872
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.0 19.8 29.6



#49
Acenaphthylene
Concen: 2.59 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:152 Resp: 40097
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 12.5 10.6 15.8

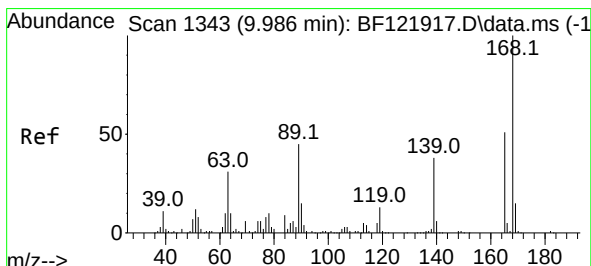
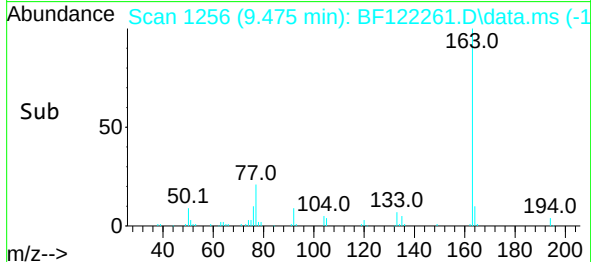
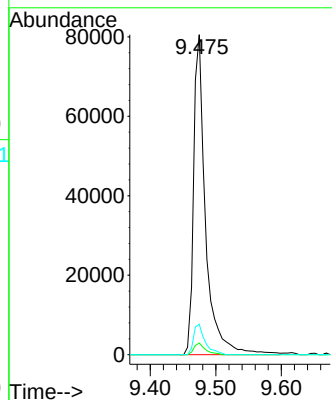
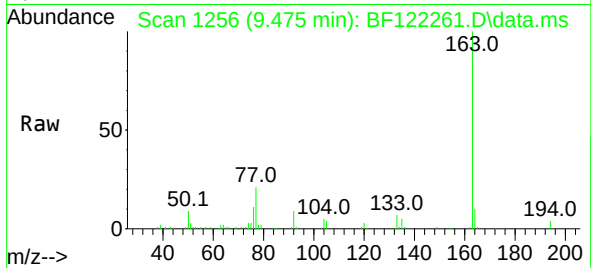




#50
Dimethylphthalate
Concen: 8.81 ng
RT: 9.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

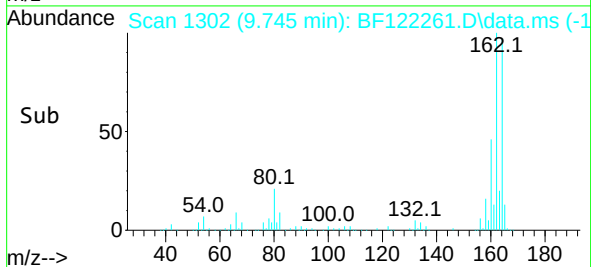
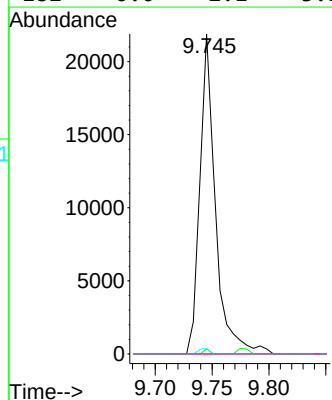
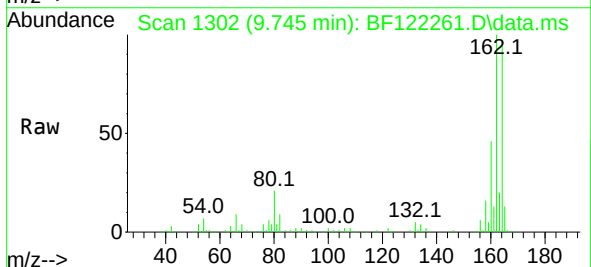
Instrument :
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ClientSampleId :
TP-2-COMP

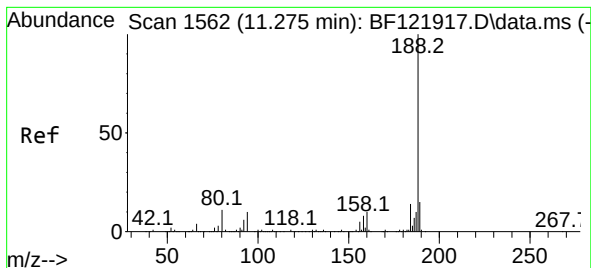
Tgt Ion:163 Resp: 102678
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.5 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:165 Resp: 20937
Ion Ratio Lower Upper
165 100
63 1.6 41.3 61.9#
89 1.7 61.8 92.8#
182 0.0 2.1 3.1#

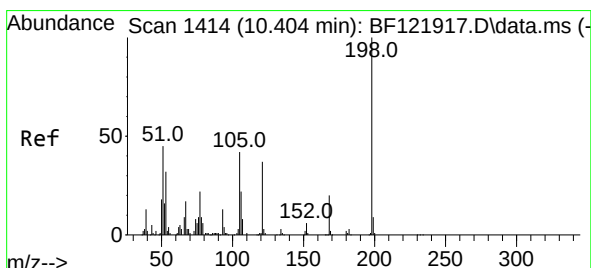
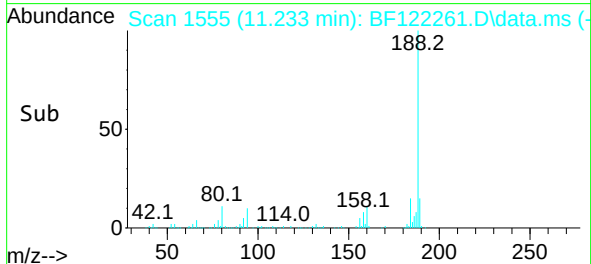
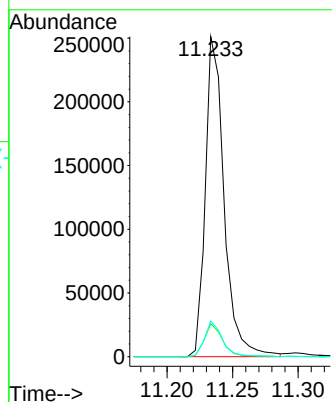
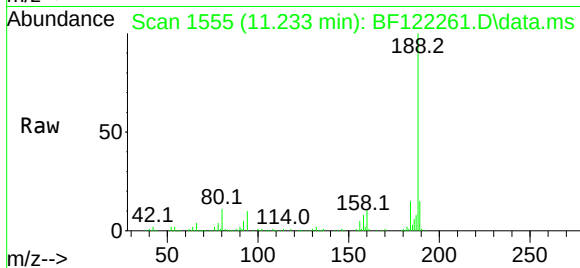




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

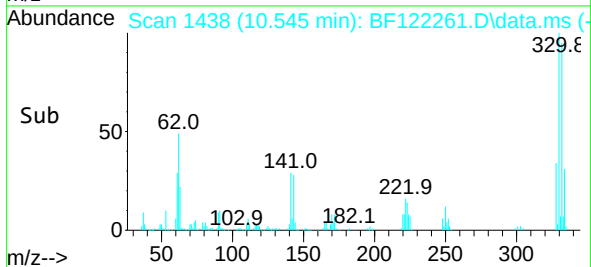
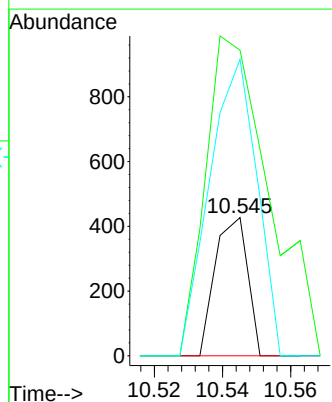
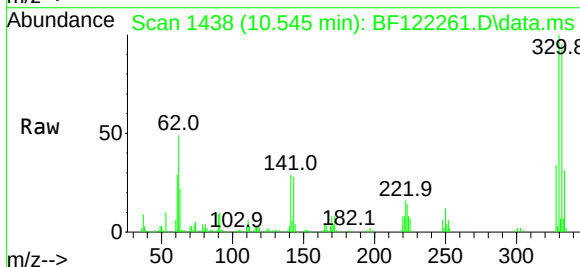
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

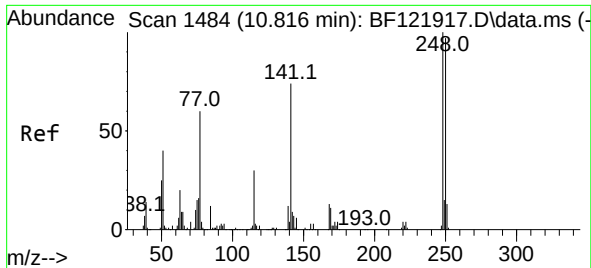
Tgt Ion:188 Resp: 250926
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.2 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.59 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.171 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:198 Resp: 282
Ion Ratio Lower Upper
198 100
51 221.1 29.6 69.6#
105 214.5 24.4 64.4#

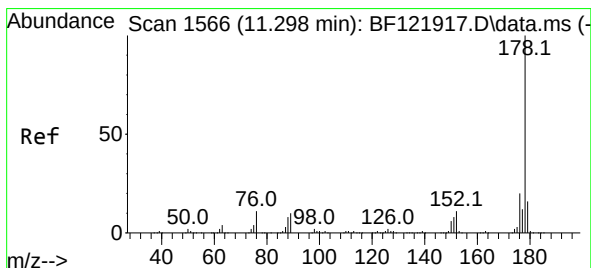
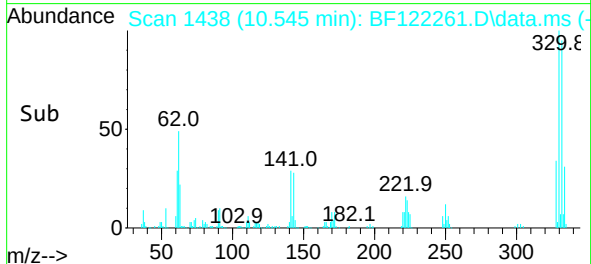
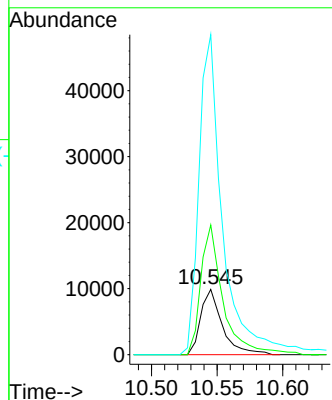
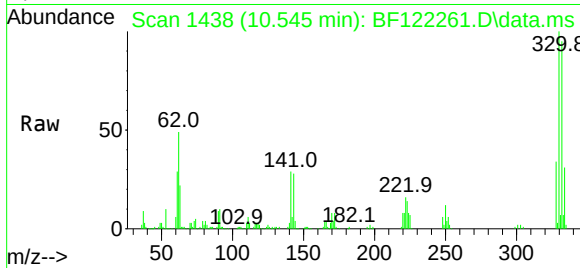




#67
4-Bromophenyl-phenylether
Concen: 3.93 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.229 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

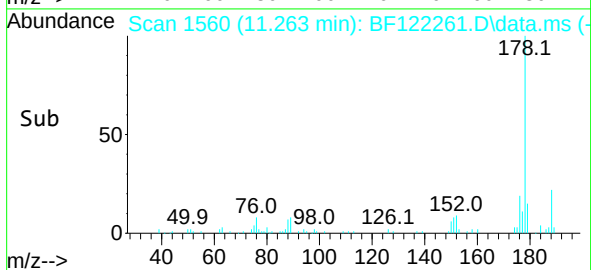
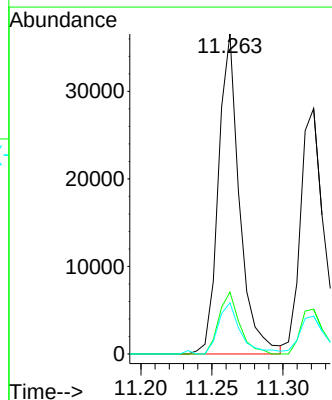
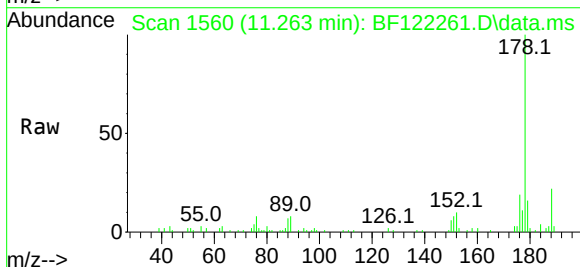
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

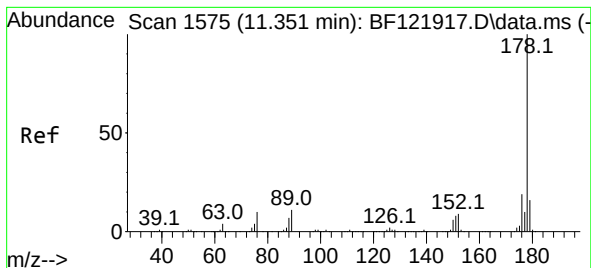
Tgt Ion:248 Resp: 11390
Ion Ratio Lower Upper
248 100
250 198.4 77.0 115.6#
141 489.6 53.7 80.5#



#71
Phenanthrene
Concen: 2.75 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:178 Resp: 37804
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 16.0 12.2 18.4

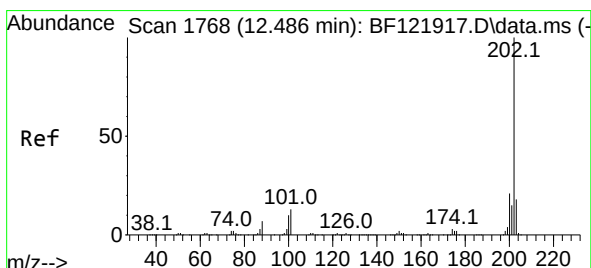
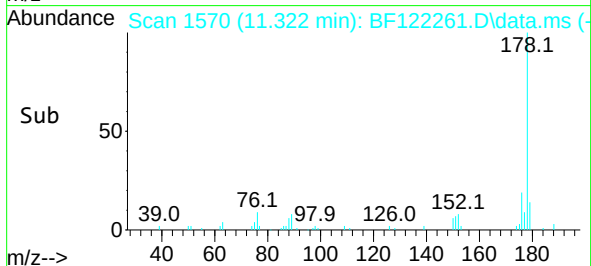
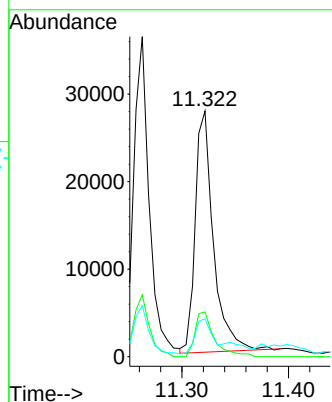
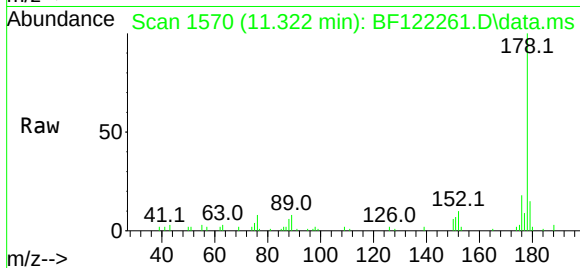




#72
 Anthracene
 Concen: 2.30 ng
 RT: 11.322 min Scan# 1570
 Delta R.T. 0.006 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

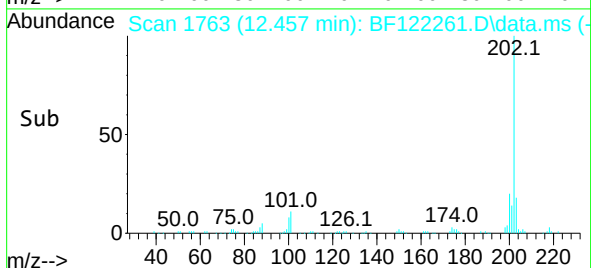
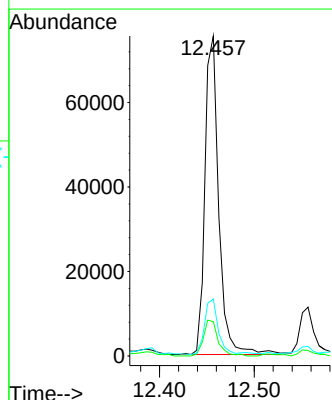
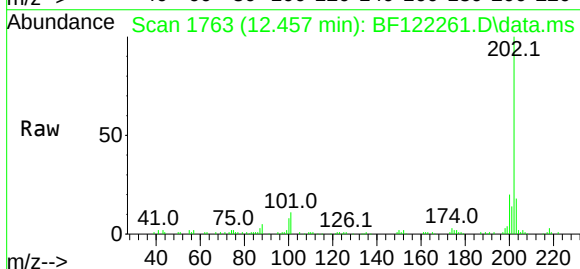
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

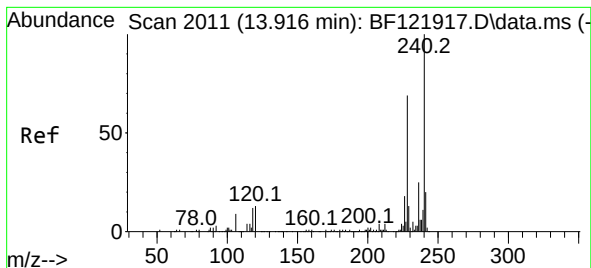
Tgt Ion:178 Resp: 32866
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.7 23.5
 179 15.5 12.7 19.1



#75
 Fluoranthene
 Concen: 5.19 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.006 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

Tgt Ion:202 Resp: 76504
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 33.4
 203 17.8 0.0 37.9

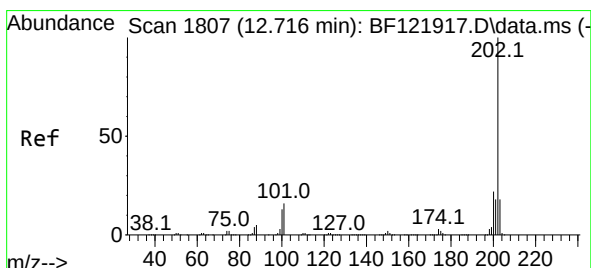
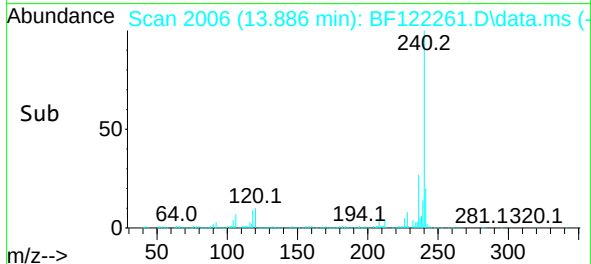
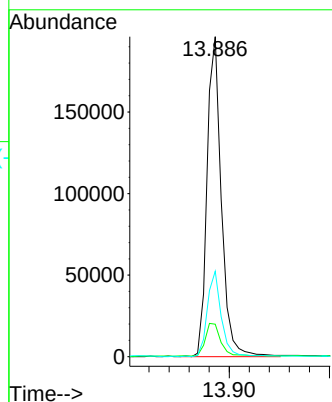
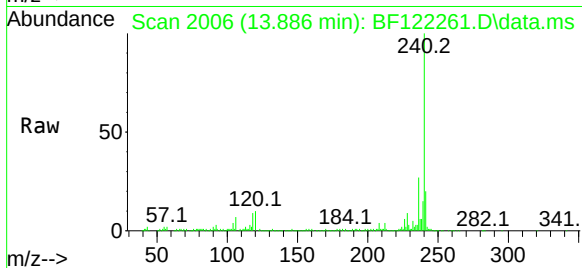




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

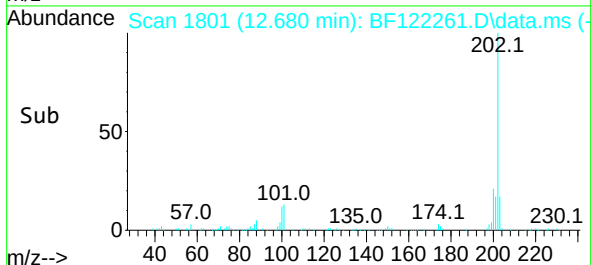
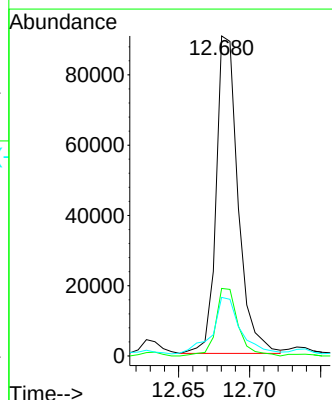
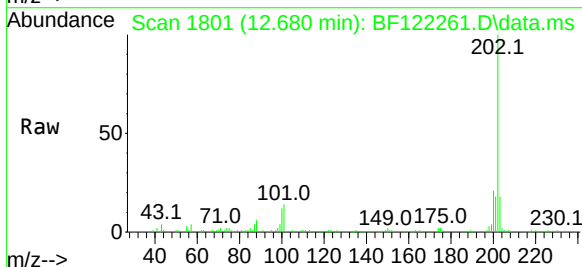
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

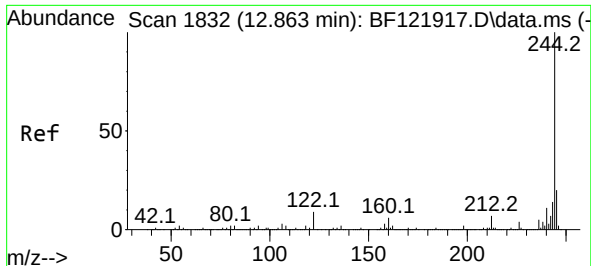
Tgt Ion:240 Resp: 195375
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 26.7 20.9 31.3



#78
Pyrene
Concen: 6.51 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

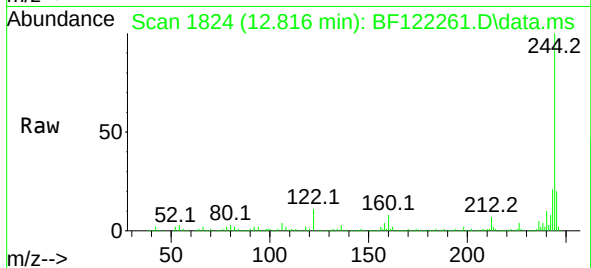
Tgt Ion:202 Resp: 96979
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.3 14.6 21.8



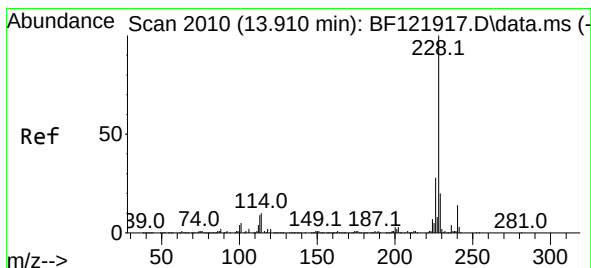
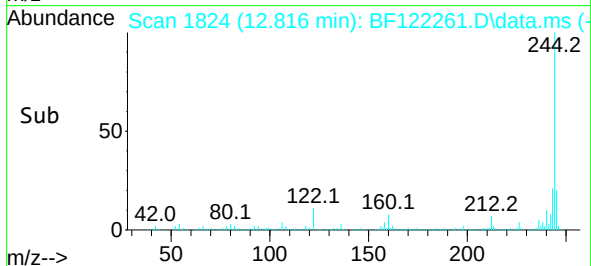
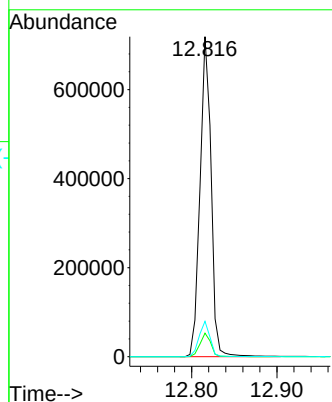


#79
 Terphenyl-d14
 Concen: 63.36 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

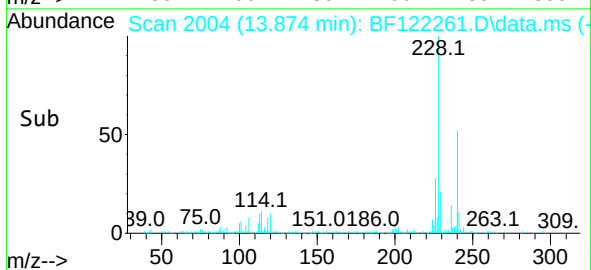
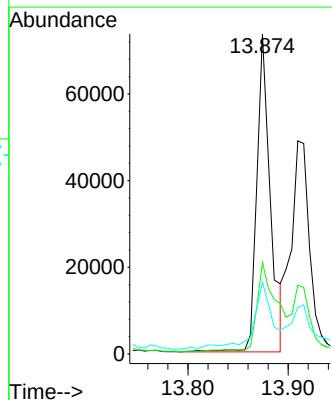
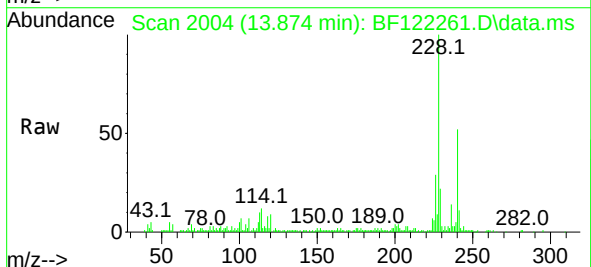


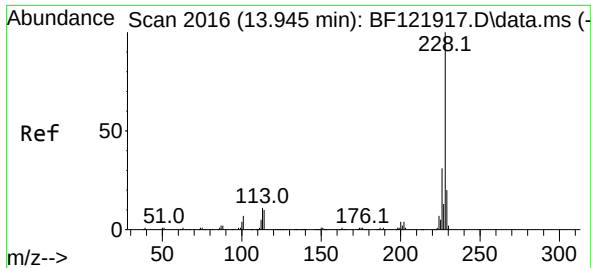
Tgt Ion:244 Resp: 649603
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 11.0 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 5.37 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122261.D
 Acq: 4 Nov 2020 14:02

Tgt Ion:228 Resp: 68814
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.3 33.5
 229 22.5 16.2 24.4

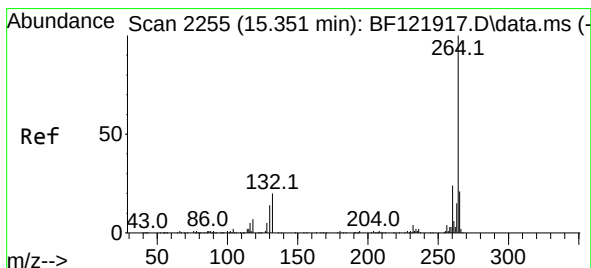
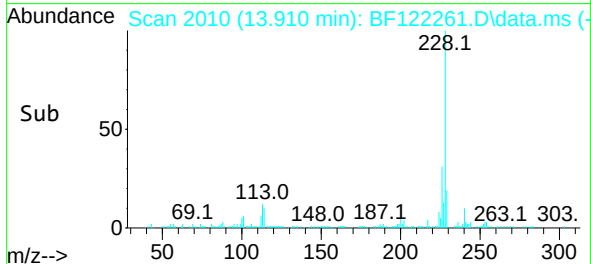
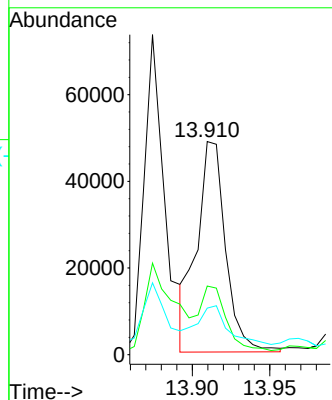
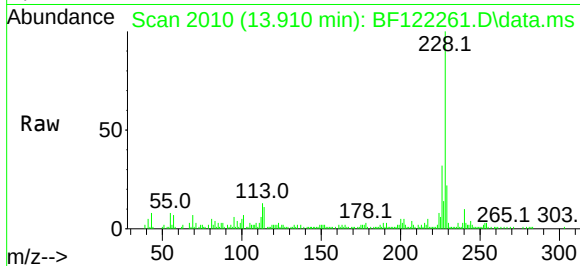




#83
Chrysene
Concen: 5.03 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

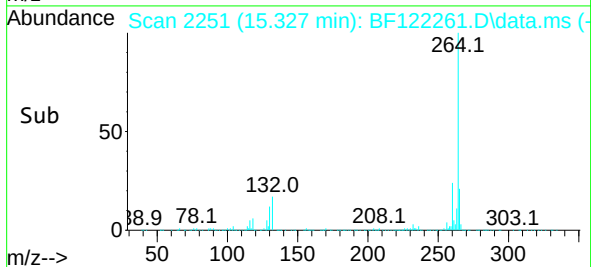
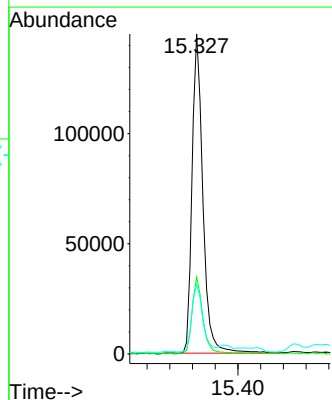
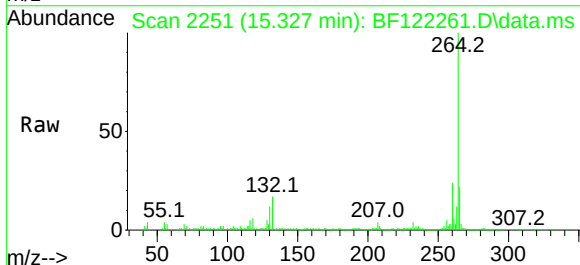
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

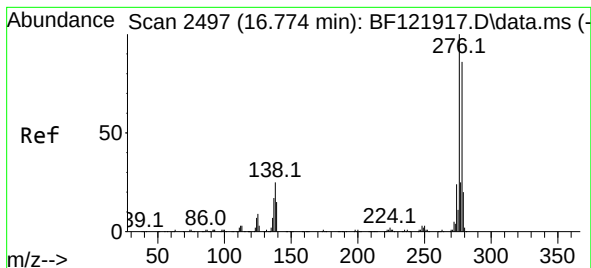
Tgt Ion:228 Resp: 63259
Ion Ratio Lower Upper
228 100
226 32.2 24.6 37.0
229 21.8 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.023 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:264 Resp: 192366
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.18 ng

RT: 16.774 min Scan# 2497

Delta R.T. 0.059 min

Lab File: BF122261.D

Acq: 4 Nov 2020 14:02

Tgt Ion:276 Resp: 39712

Ion Ratio Lower Upper

276 100

138 18.0 19.9 29.9#

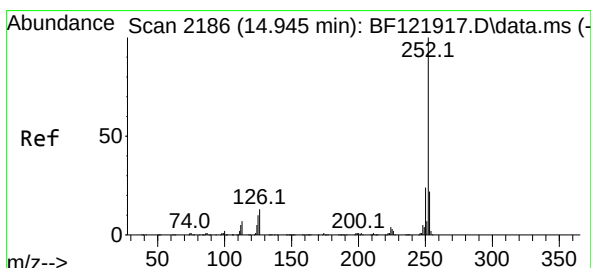
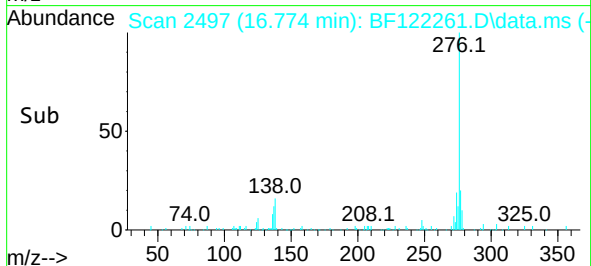
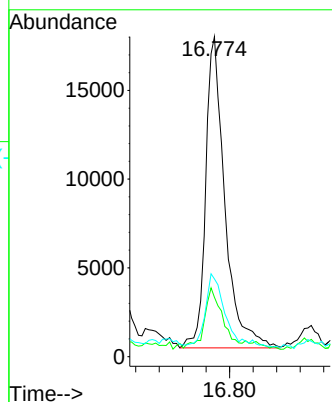
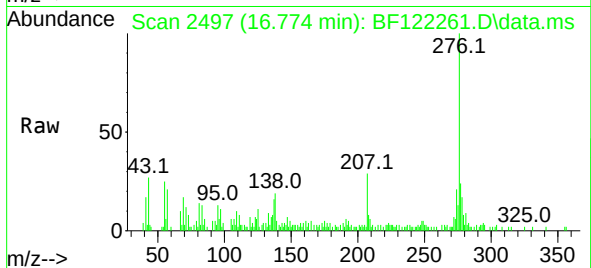
277 24.7 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP



#88

Benzo(b)fluoranthene

Concen: 8.68 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.023 min

Lab File: BF122261.D

Acq: 4 Nov 2020 14:02

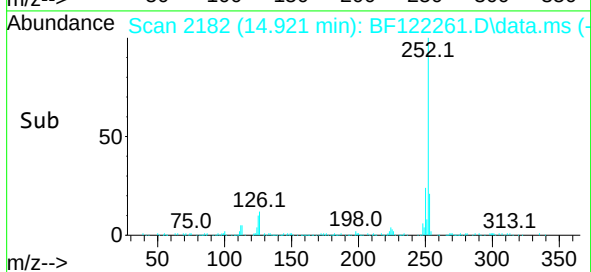
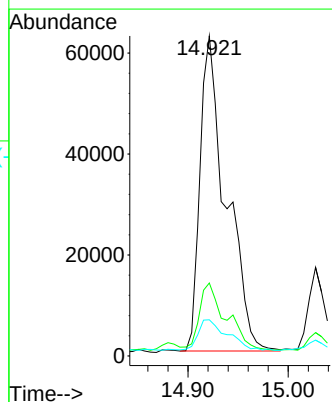
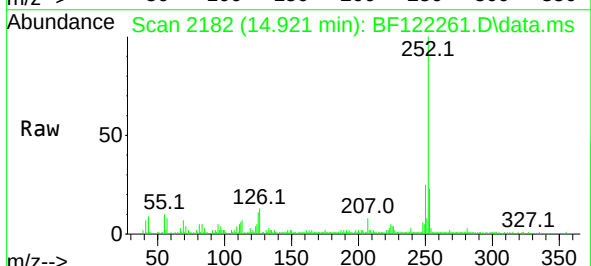
Tgt Ion:252 Resp: 112807

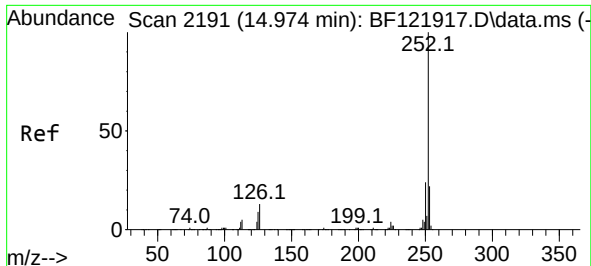
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 11.3 8.0 12.0

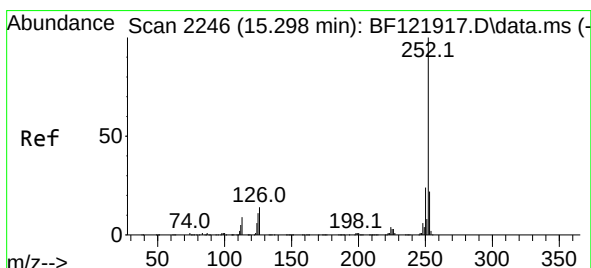
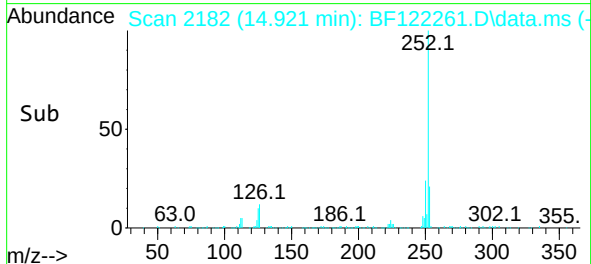
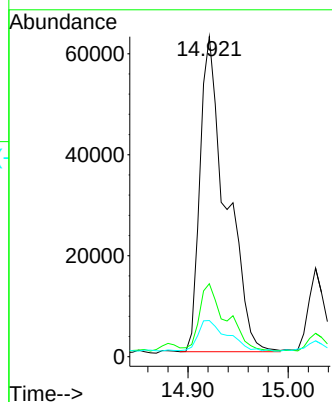
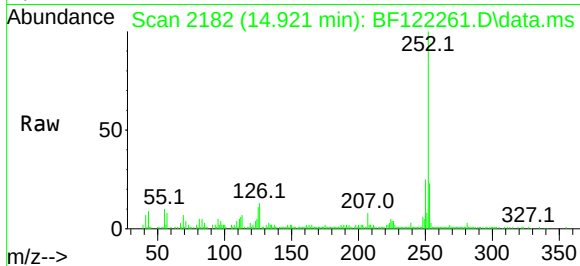




#89
Benzo(k)fluoranthene
Concen: 9.13 ng
RT: 14.921 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

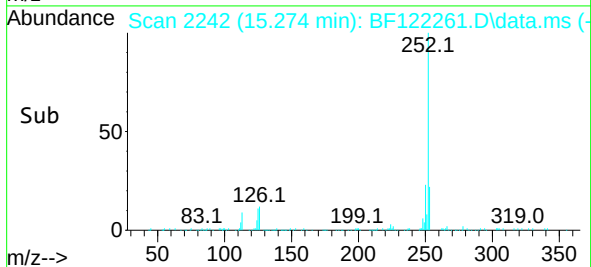
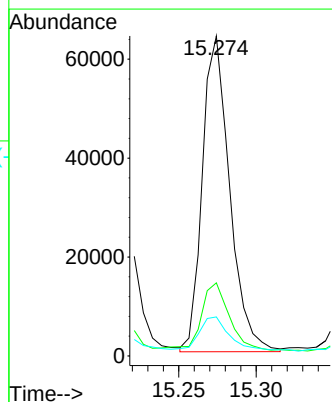
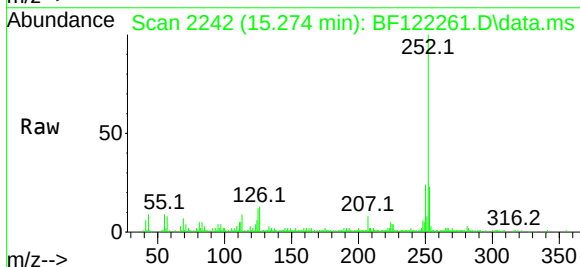
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

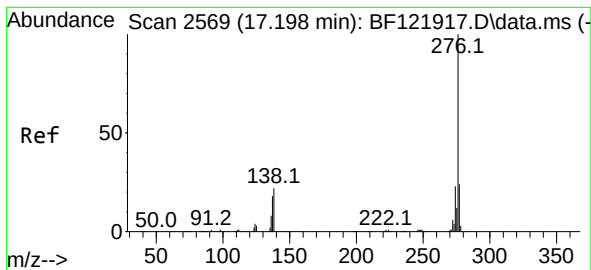
Tgt Ion:252 Resp: 112807
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.3 7.7 11.5



#90
Benzo(a)pyrene
Concen: 6.98 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.023 min
Lab File: BF122261.D
Acq: 4 Nov 2020 14:02

Tgt Ion:252 Resp: 78355
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 12.2 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 4.08 ng

RT: 17.204 min Scan# 2570

Delta R.T. 0.071 min

Lab File: BF122261.D

Acq: 4 Nov 2020 14:02

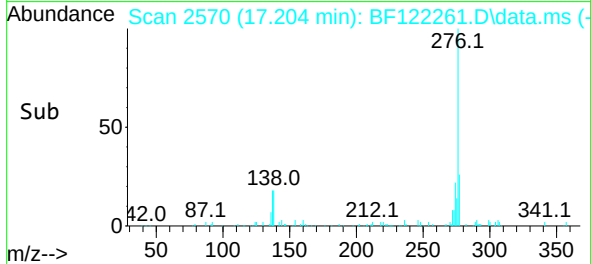
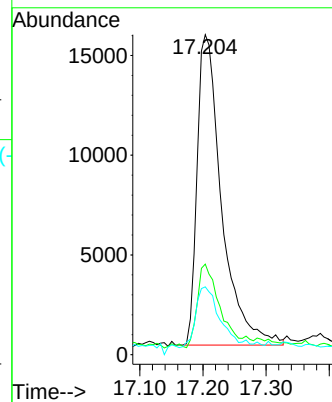
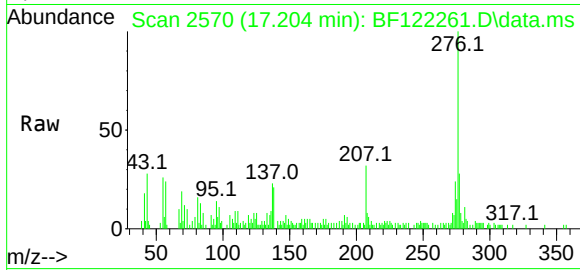
Tgt Ion:276 Resp: 41961

Ion Ratio Lower Upper

276 100

277 28.3 19.4 29.2

138 21.2 17.8 26.6



Instrument :

BNA_F

ClientSampleId :

TP-2-COMP