

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110320\
 Data File : BF122253.D
 Acq On : 3 Nov 2020 21:38
 Operator : JU/CG
 Sample : L4600-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-6

Quant Time: Nov 04 01:08:26 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)

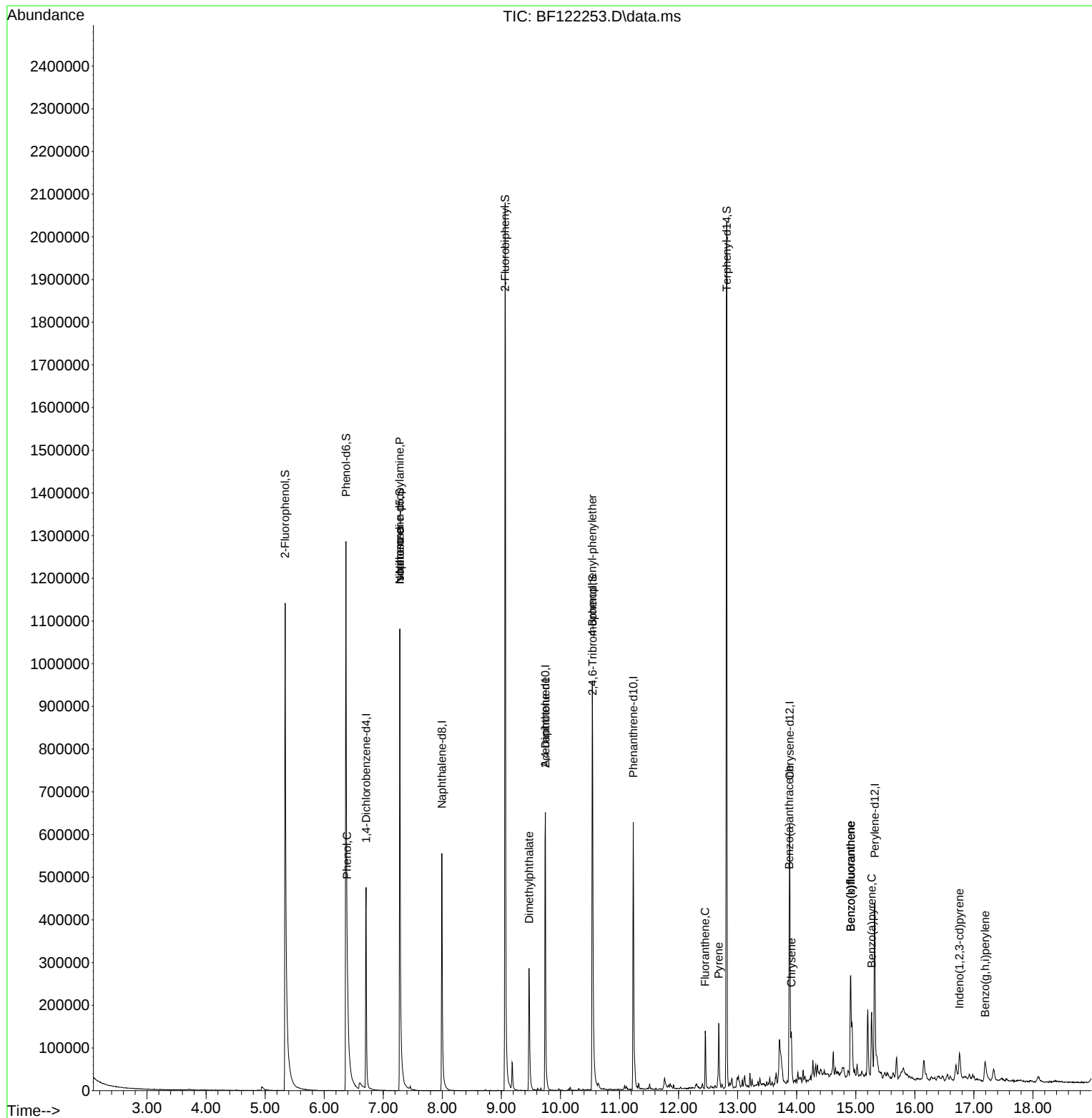
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	77432	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	301374	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	149572	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	264361	20.00	ng	0.00
76) Chrysene-d12	13.880	240	185107	20.00	ng	0.00
86) Perylene-d12	15.321	264	206453	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	524435	99.96	ng	0.00
7) Phenol-d6	6.369	99	655987	97.13	ng	0.00
23) Nitrobenzene-d5	7.281	82	415477	70.70	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	166075	89.76	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	740418	72.84	ng	-0.01
79) Terphenyl-d14	12.816	244	634809	65.36	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1032	Below Cal	#	3
10) Phenol	6.387	94	32476	4.66	ng	# 77
19) n-Nitroso-di-n-propyla...	7.281	70	55365	14.40	ng	# 80
25) Isophorone	7.281	82	415477	37.39	ng	# 67
50) Dimethylphthalate	9.469	163	152321	13.93	ng	100
57) 2,4-Dinitrotoluene	9.745	165	18824	6.37	ng	# 20
67) 4-Bromophenyl-phenylether	10.539	248	9569	3.13	ng	# 1
75) Fluoranthene	12.451	202	60098	3.87	ng	100
78) Pyrene	12.680	202	64876	4.60	ng	99
81) Benzo(a)anthracene	13.874	228	50934	4.20	ng	96
83) Chrysene	13.910	228	52953	4.45	ng	99
87) Indeno(1,2,3-cd)pyrene	16.756	276	50728	3.78	ng	96
88) Benzo(b)fluoranthene	14.915	252	174359	12.49	ng	98
89) Benzo(k)fluoranthene	14.915	252	174359	13.15	ng	99
90) Benzo(a)pyrene	15.268	252	72021	5.98	ng	99
92) Benzo(g,h,i)perylene	17.192	276	46321	4.19	ng	98

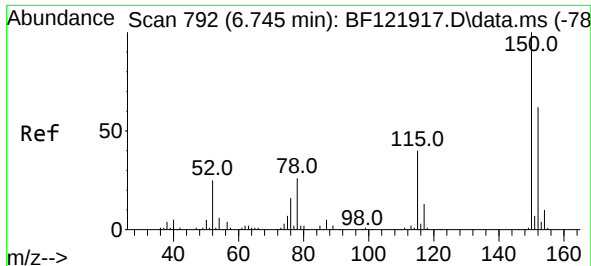
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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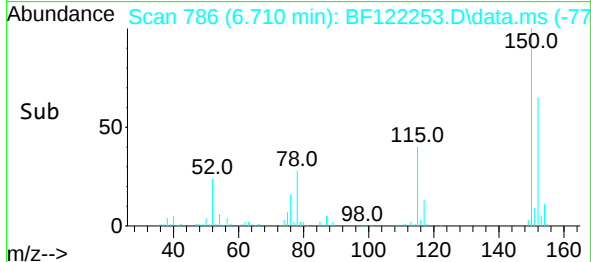
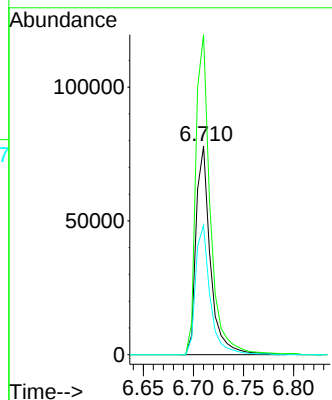
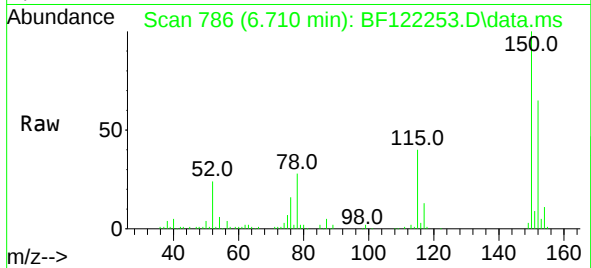




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

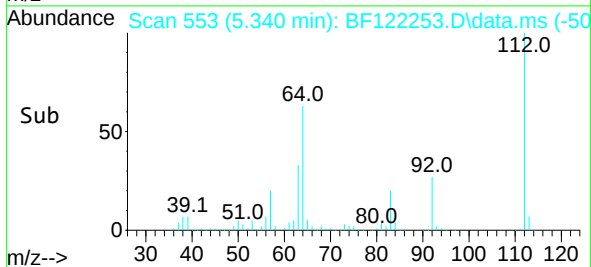
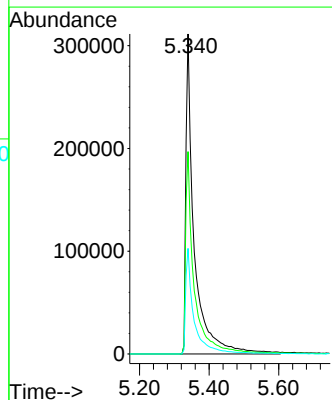
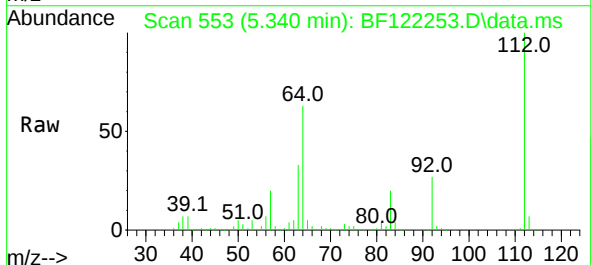
Instrument :
BNA_F
ClientSampleId :
CRT-6

Tgt Ion:152 Resp: 77432
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 62.1 51.9 77.9



#5
2-Fluorophenol
Concen: 99.96 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:112 Resp: 524435
Ion Ratio Lower Upper
112 100
64 63.2 50.4 75.6
63 33.0 25.8 38.6

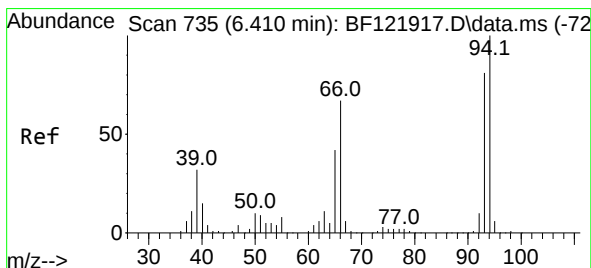
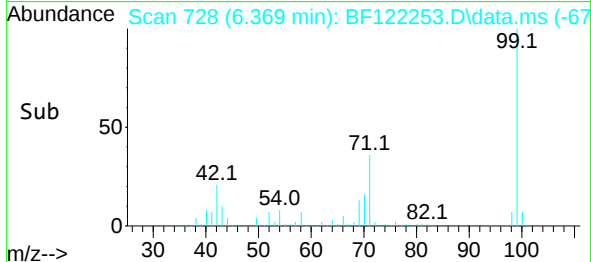
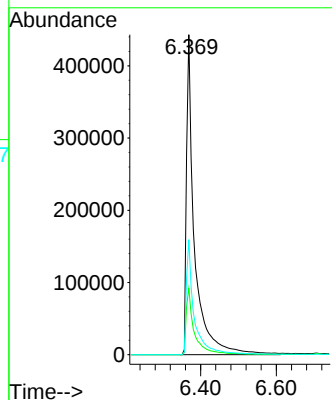
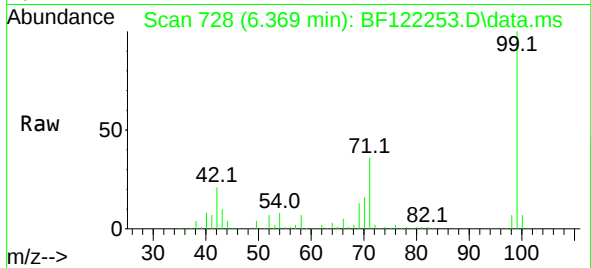




#7
Phenol-d6
Concen: 97.13 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

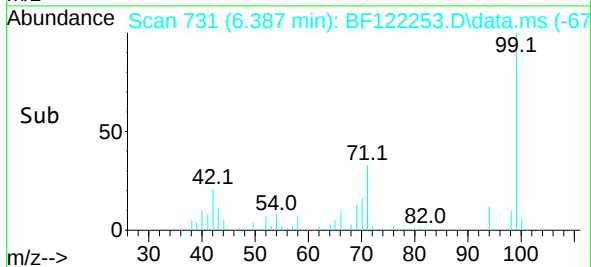
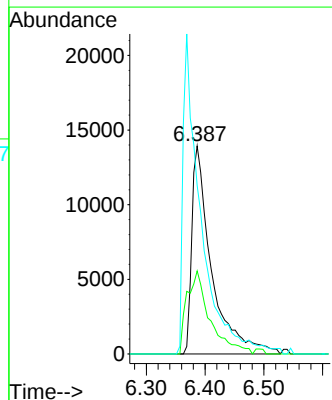
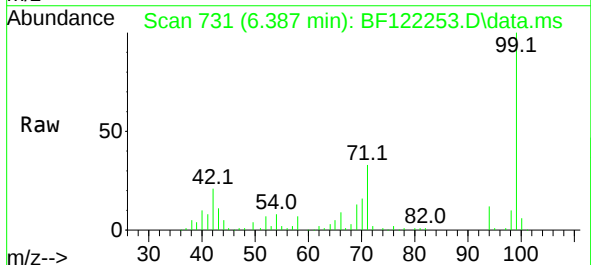
Instrument :
BNA_F
ClientSampleId :
CRT-6

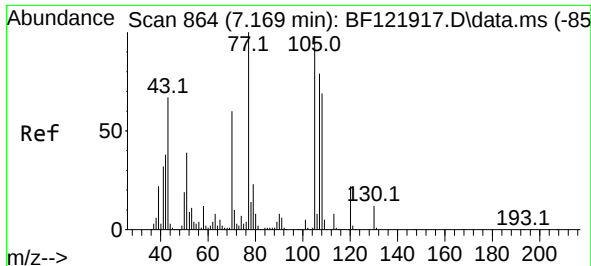
Tgt Ion: 99 Resp: 655987
Ion Ratio Lower Upper
99 100
42 20.8 15.9 23.9
71 35.9 27.1 40.7



#10
Phenol
Concen: 4.66 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion: 94 Resp: 32476
Ion Ratio Lower Upper
94 100
65 39.9 17.1 57.1
66 81.0 36.0 76.0#

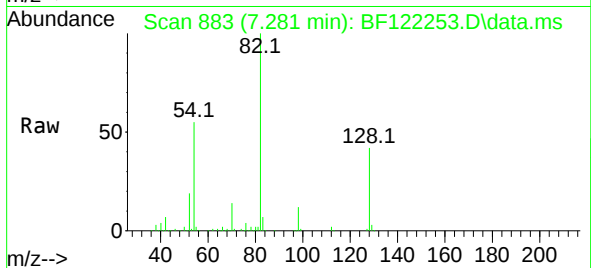




#19

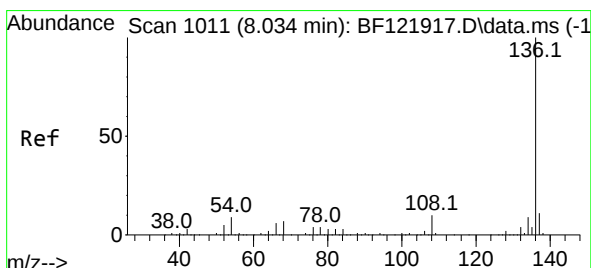
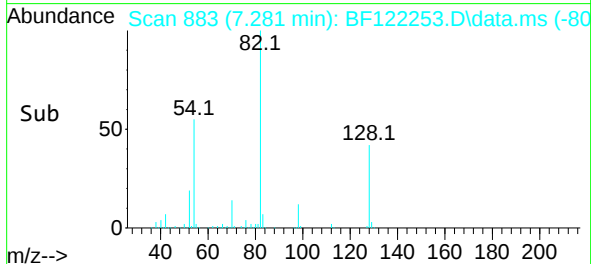
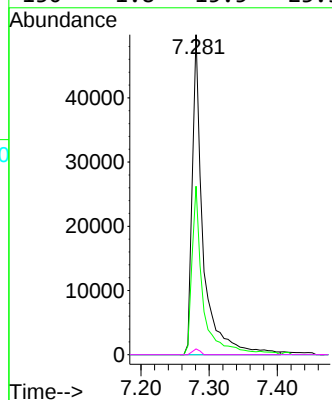
n-Nitroso-di-n-propylamine
Concen: 14.40 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Instrument :
BNA_F
ClientSampleId :
CRT-6



Tgt Ion: 70 Resp: 55365

Ion	Ratio	Lower	Upper
70	100		
42	52.7	50.2	75.4
101	0.0	7.5	11.3#
130	1.8	15.5	23.3#

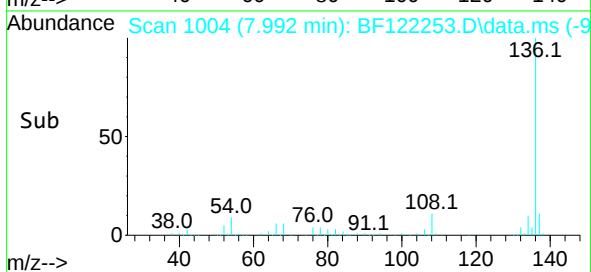
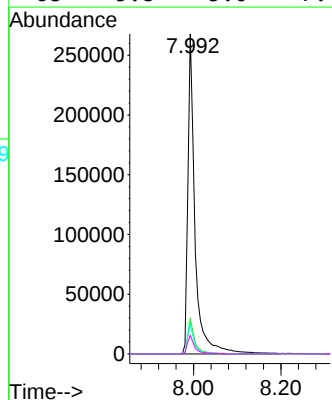
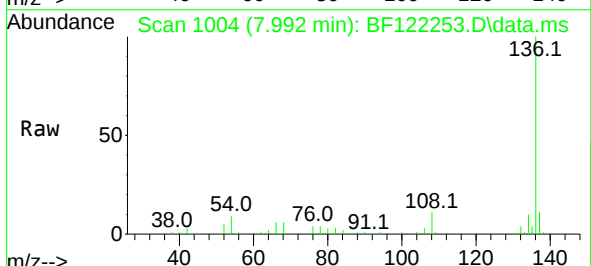


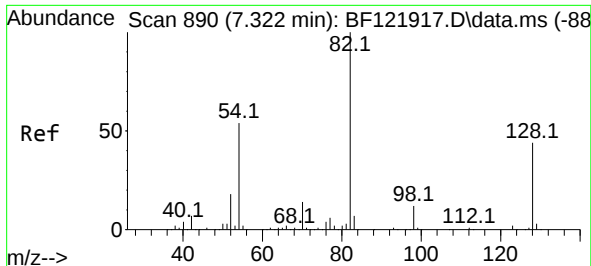
#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion: 136 Resp: 301374

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.1	10.7
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 70.70 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF122253.D

Acq: 3 Nov 2020 21:38

Tgt Ion: 82 Resp: 415477

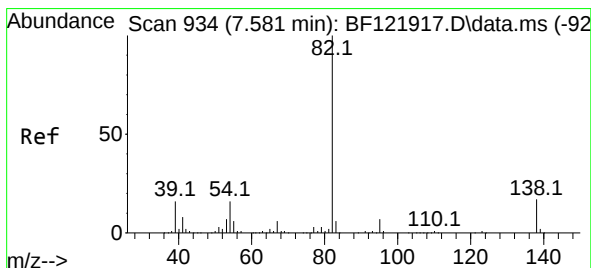
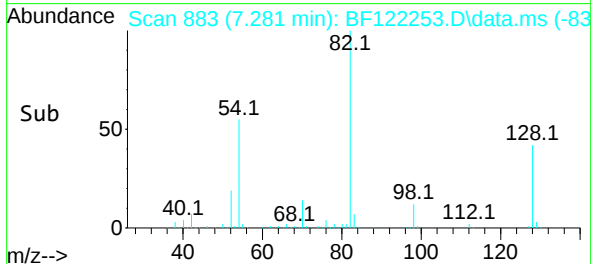
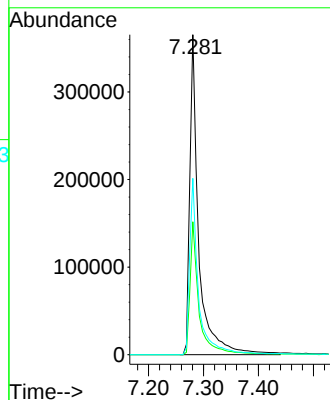
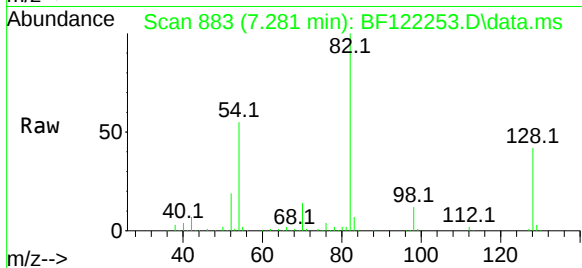
Ion	Ratio	Lower	Upper
82	100		
128	41.6	35.0	52.4
54	55.1	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

CRT-6



#25

Isophorone

Concen: 37.39 ng

RT: 7.281 min Scan# 883

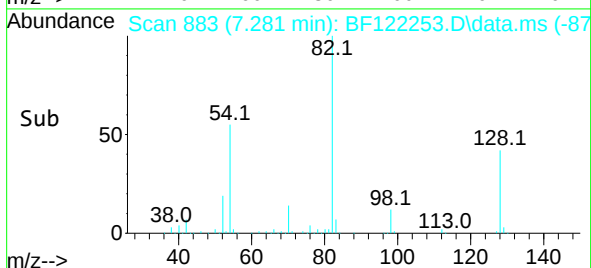
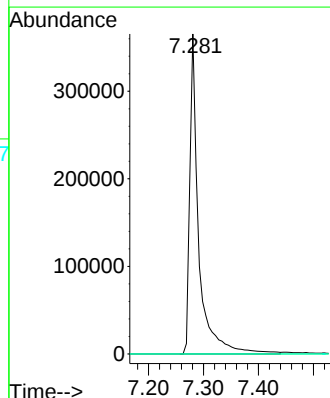
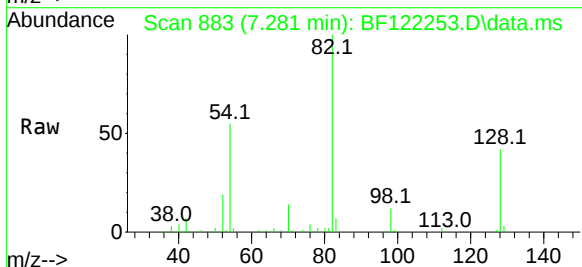
Delta R.T. -0.265 min

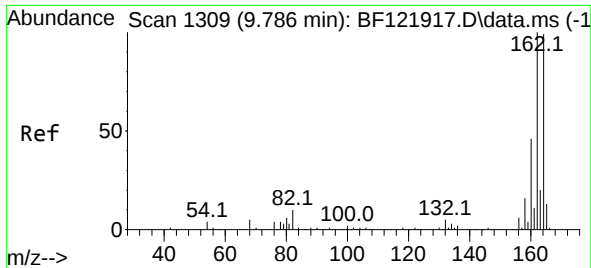
Lab File: BF122253.D

Acq: 3 Nov 2020 21:38

Tgt Ion: 82 Resp: 415477

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

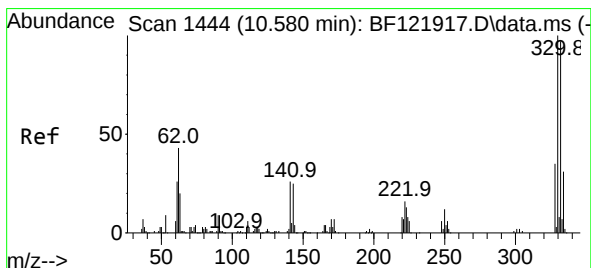
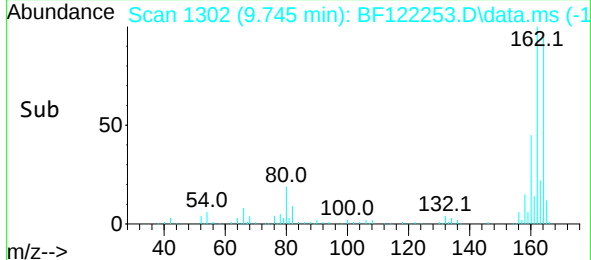
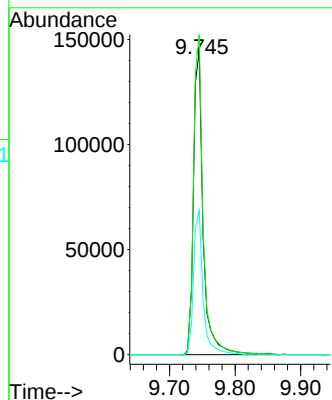
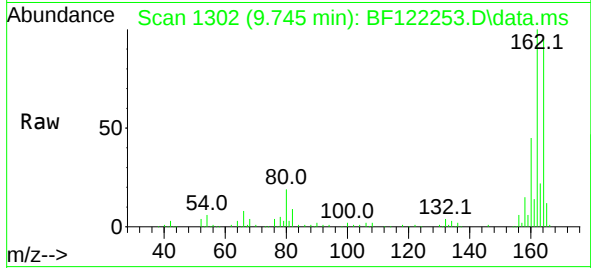




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

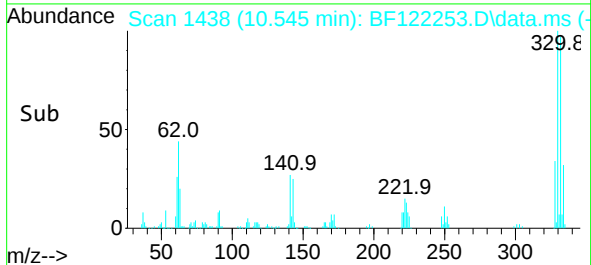
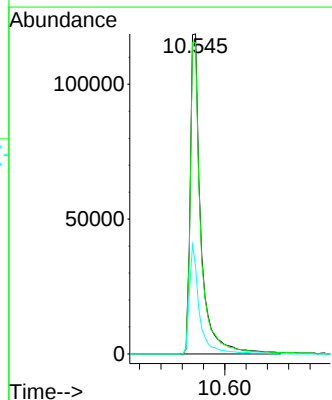
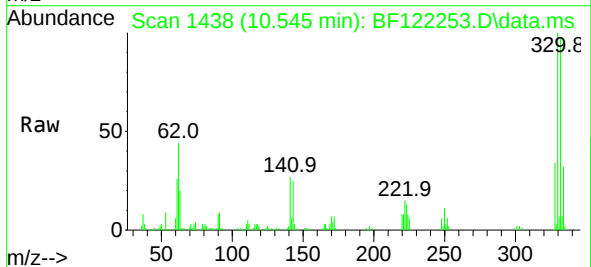
Instrument :
BNA_F
ClientSampleId :
CRT-6

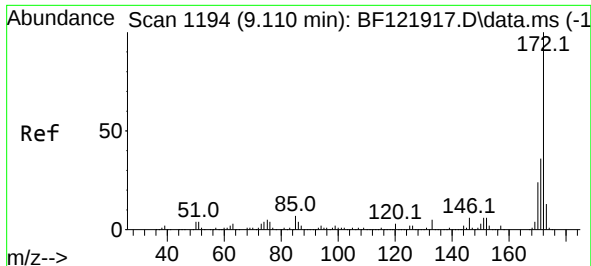
Tgt Ion:164 Resp: 149572
Ion Ratio Lower Upper
164 100
162 105.4 83.2 124.8
160 47.4 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 89.76 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:330 Resp: 166075
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 32.1 22.3 33.5

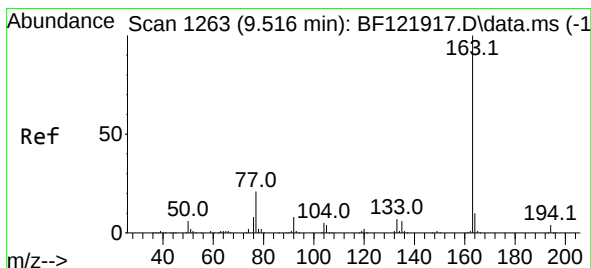
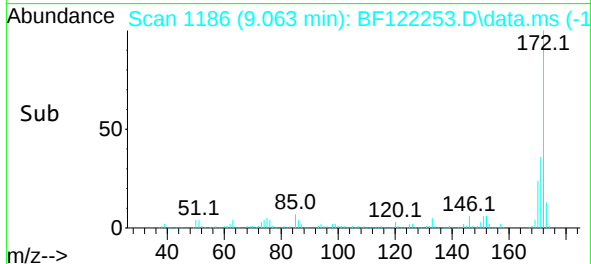
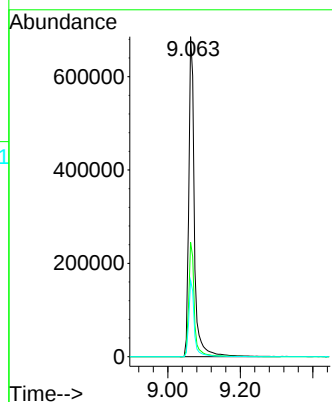
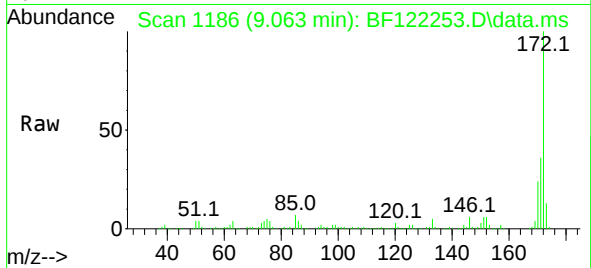




#45
2-Fluorobiphenyl
Concen: 72.84 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

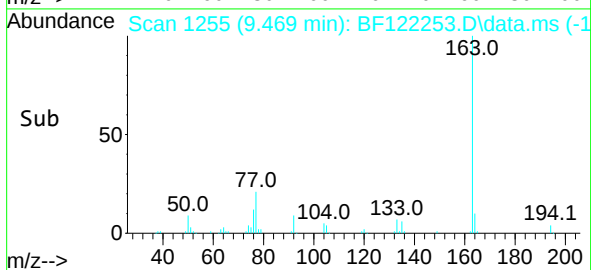
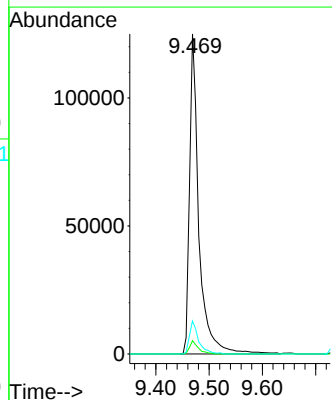
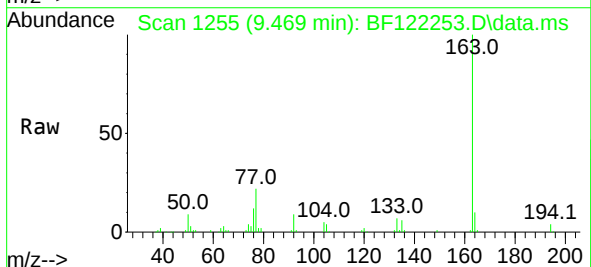
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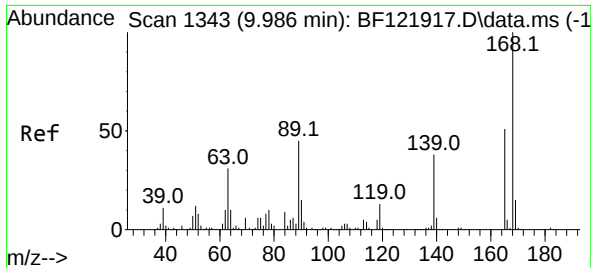
Tgt Ion:172 Resp: 740418
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.8 19.8 29.6



#50
Dimethylphthalate
Concen: 13.93 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

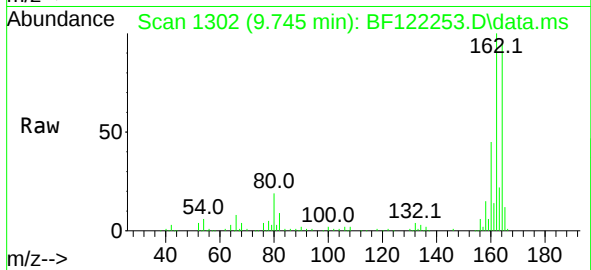
Tgt Ion:163 Resp: 152321
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.3 8.2 12.4



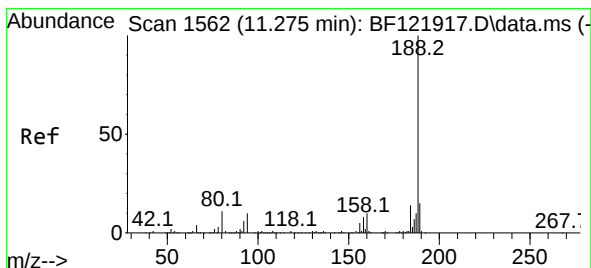
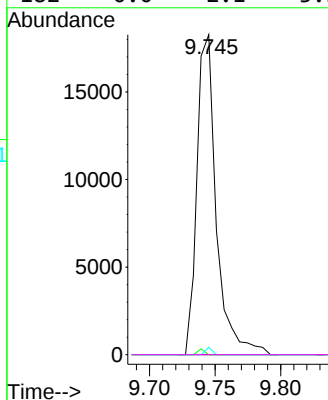
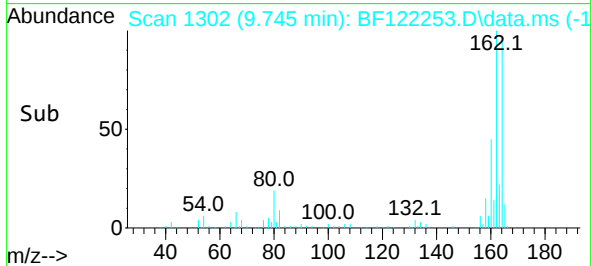


#57
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

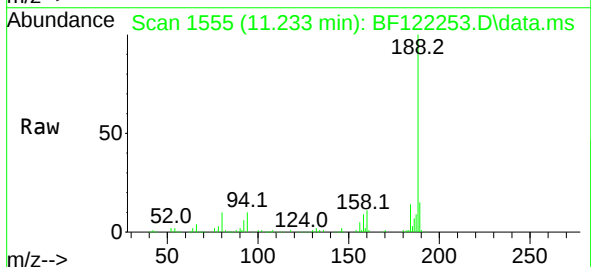
Instrument :
BNA_F
ClientSampleId :
CRT-6



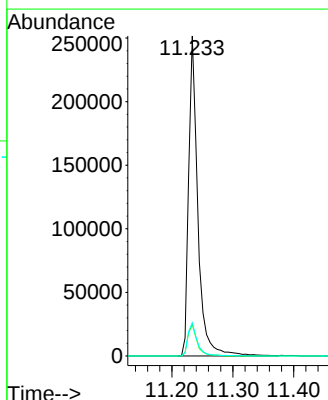
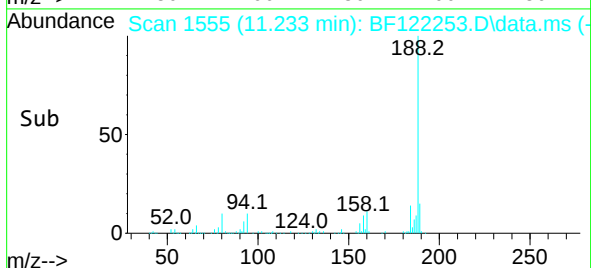
Tgt Ion:165 Resp: 18824
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 2.3 61.8 92.8#
182 0.0 2.1 3.1#

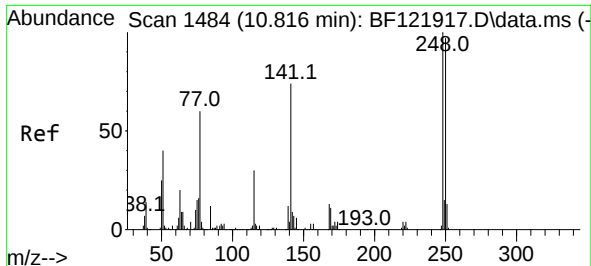


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38



Tgt Ion:188 Resp: 264361
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.4 9.1 13.7

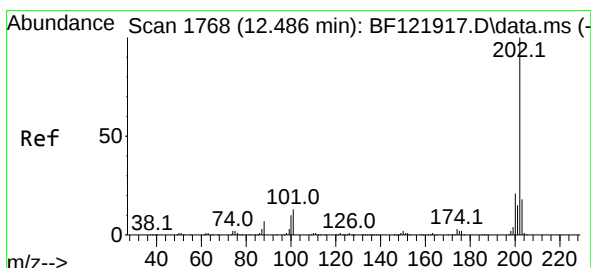
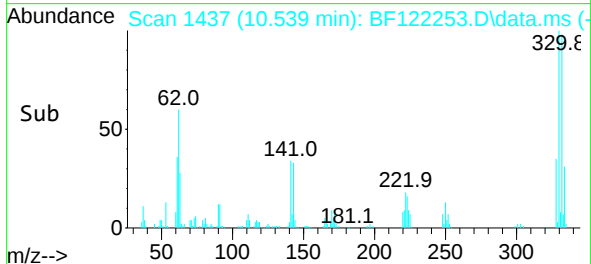
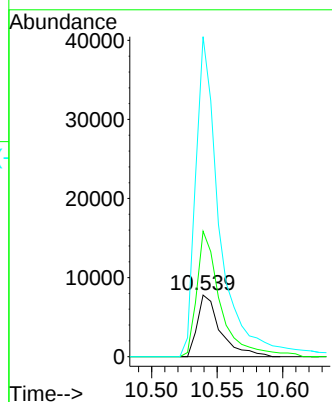
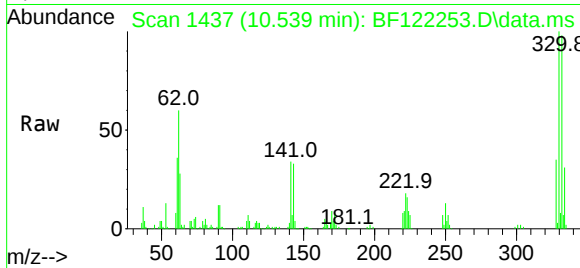




#67
4-Bromophenyl-phenylether
Concen: 3.13 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

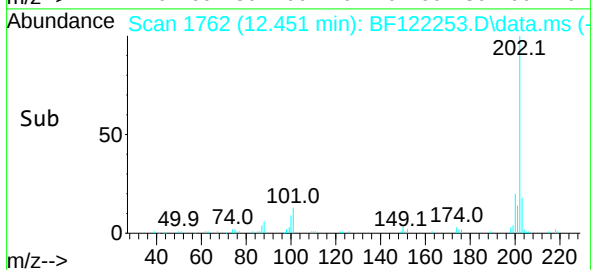
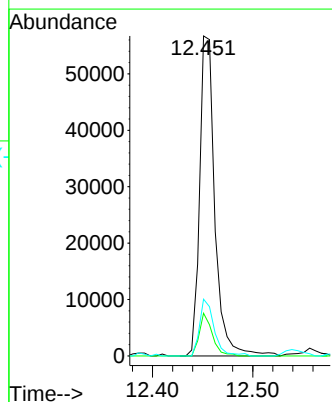
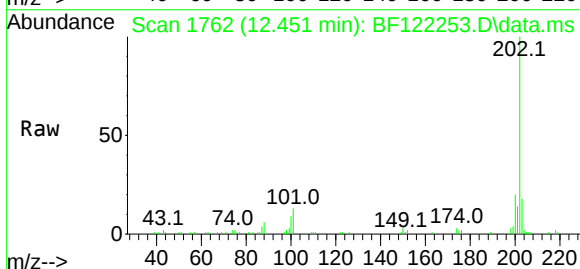
Instrument :
BNA_F
ClientSampled :
CRT-6

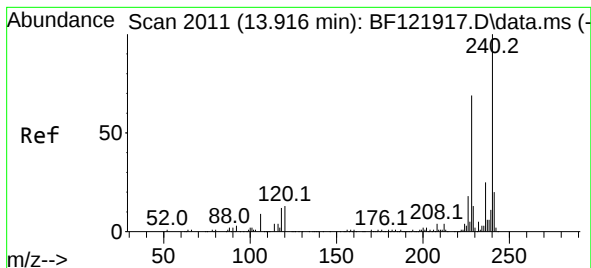
Tgt Ion:248 Resp: 9569
Ion Ratio Lower Upper
248 100
250 203.5 77.0 115.6#
141 519.0 53.7 80.5#



#75
Fluoranthene
Concen: 3.87 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:202 Resp: 60098
Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.4
203 17.7 0.0 37.9

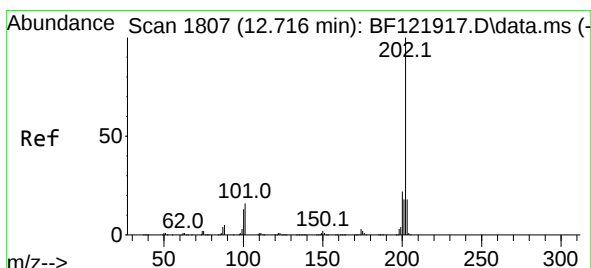
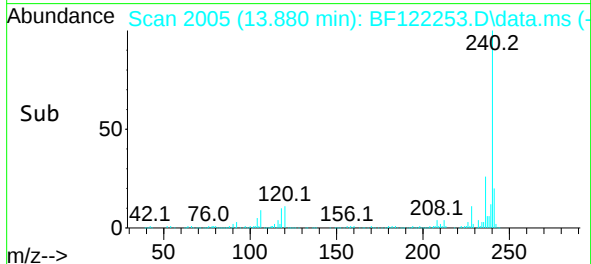
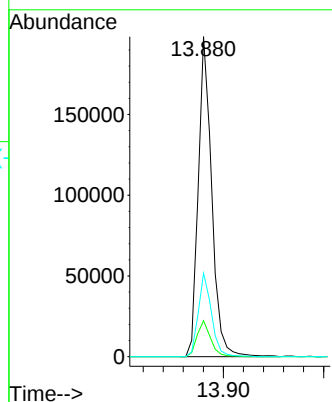
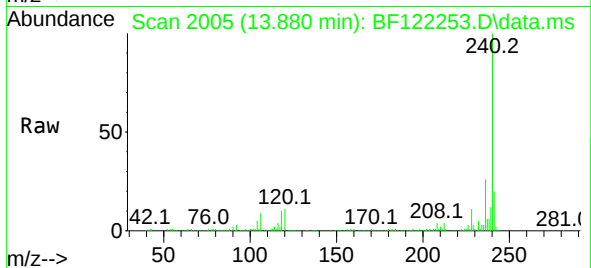




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

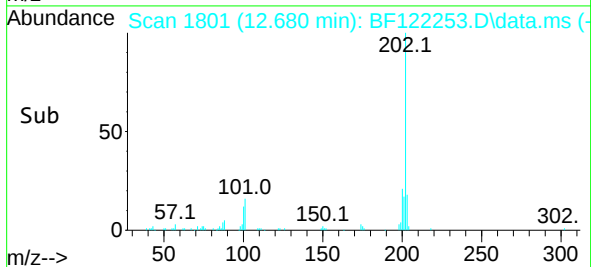
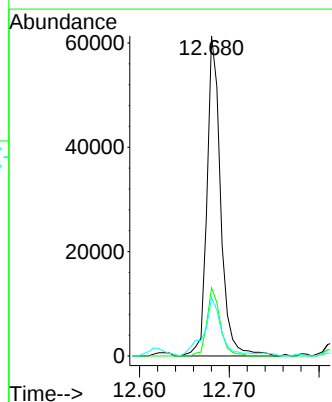
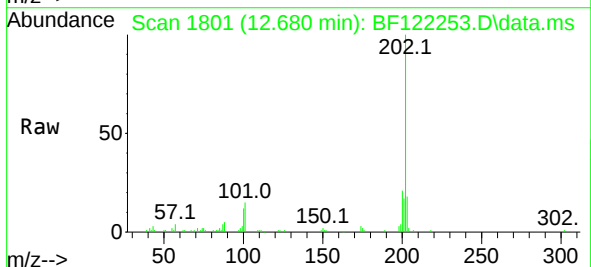
Instrument :
BNA_F
ClientSampleId :
CRT-6

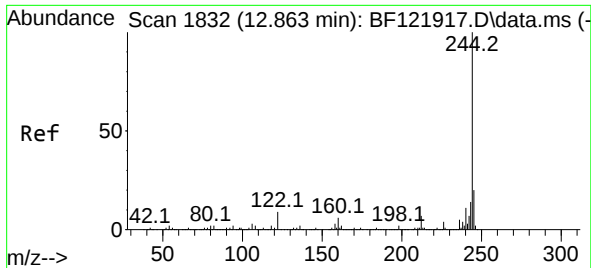
Tgt Ion:240 Resp: 185107
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 26.1 20.9 31.3



#78
Pyrene
Concen: 4.60 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:202 Resp: 64876
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 18.2 14.6 21.8

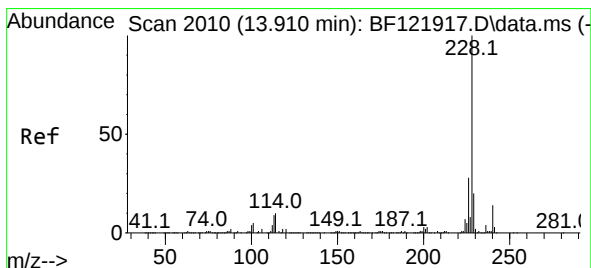
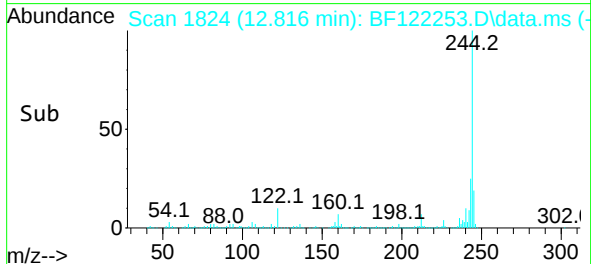
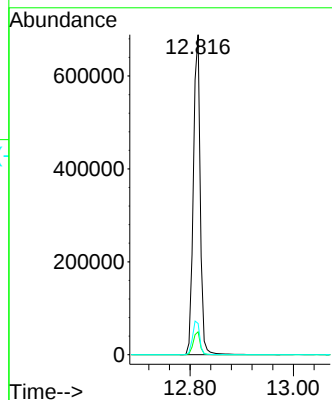
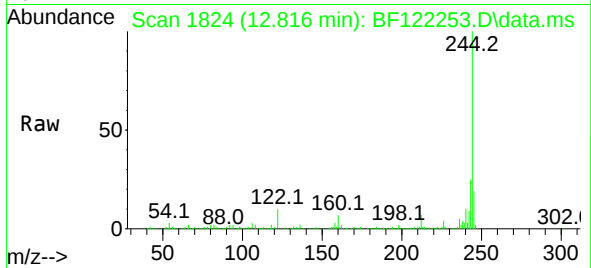




#79
 Terphenyl-d14
 Concen: 65.36 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122253.D
 Acq: 3 Nov 2020 21:38

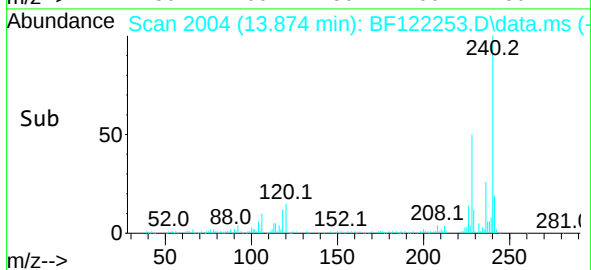
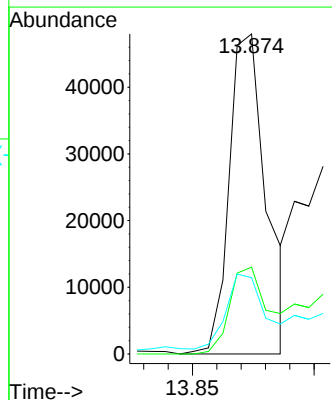
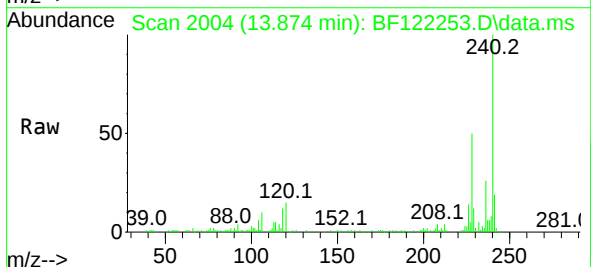
Instrument :
 BNA_F
 ClientSampleId :
 CRT-6

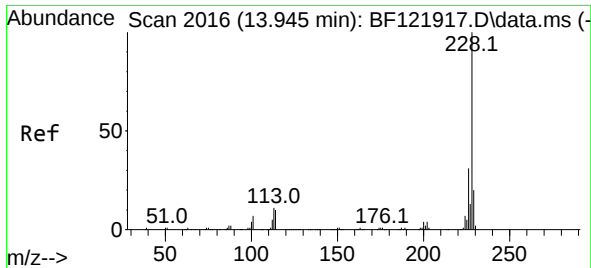
Tgt Ion:244 Resp: 634809
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 9.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 4.20 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122253.D
 Acq: 3 Nov 2020 21:38

Tgt Ion:228 Resp: 50934
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.3 33.5
 229 23.8 16.2 24.4

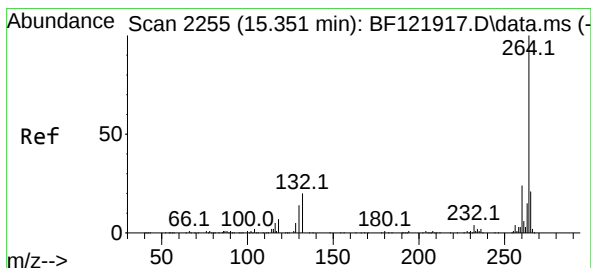
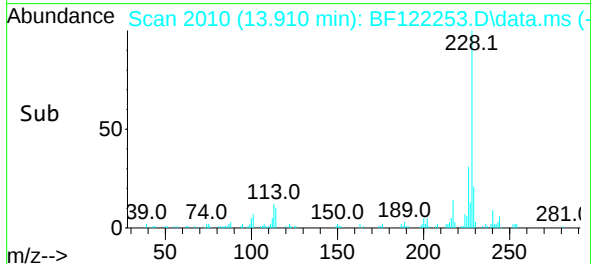
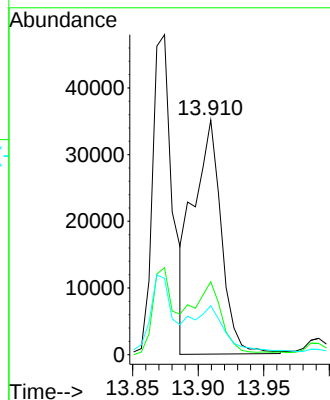
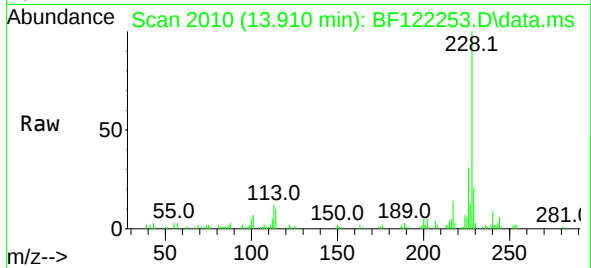




#83
Chrysene
Concen: 4.45 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

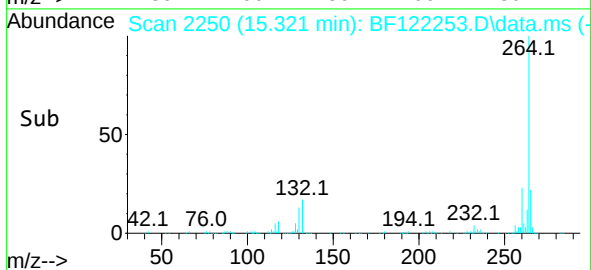
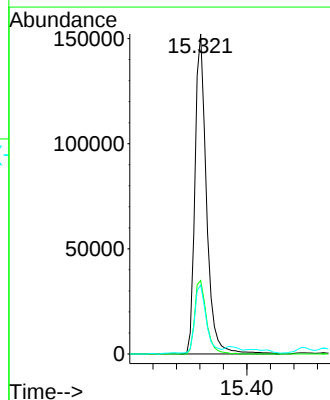
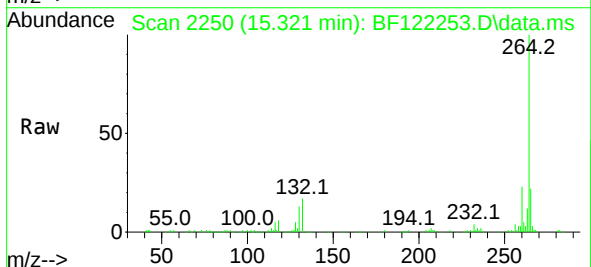
Instrument :
BNA_F
ClientSampleId :
CRT-6

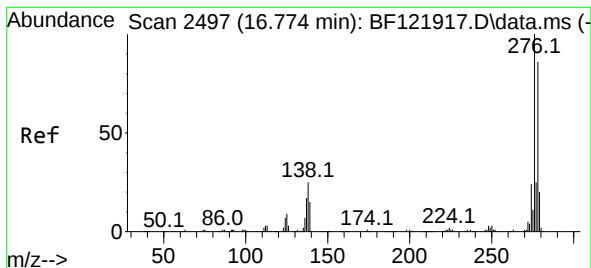
Tgt Ion:228	Resp:	52953
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.6 37.0
229	20.8	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.018 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:264	Resp:	206453
Ion Ratio	Lower	Upper
264	100	
260	23.0	18.7 28.1
265	21.5	17.3 25.9

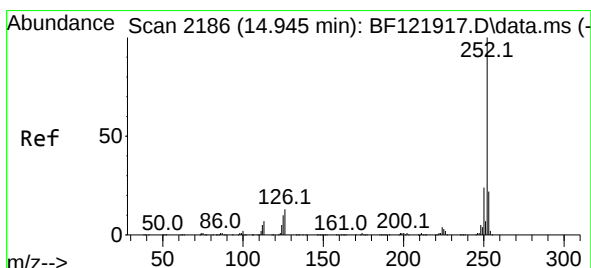
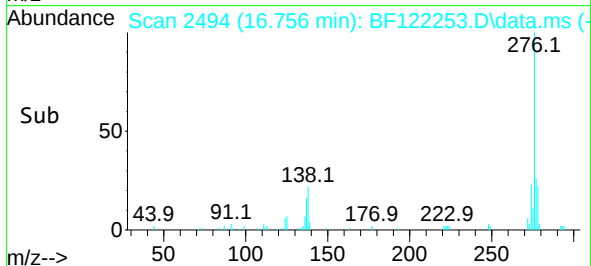
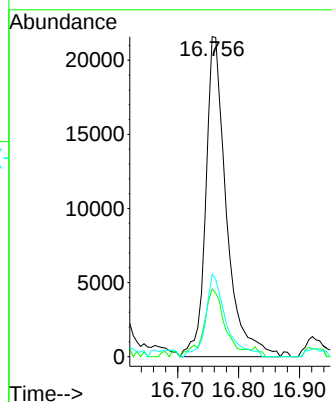
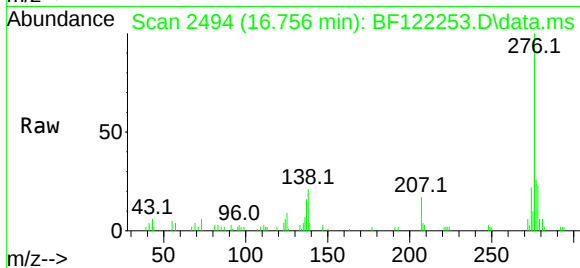




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.78 ng
RT: 16.756 min Scan# 2494
Delta R.T. 0.041 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

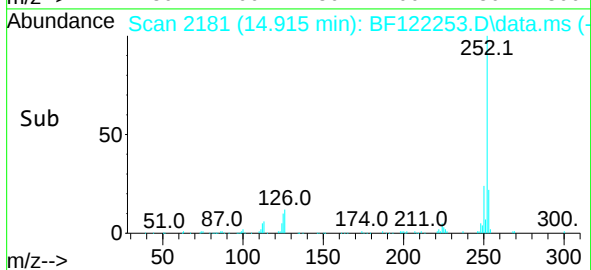
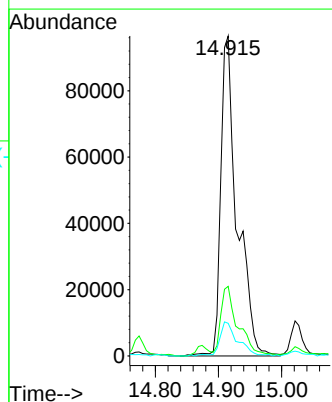
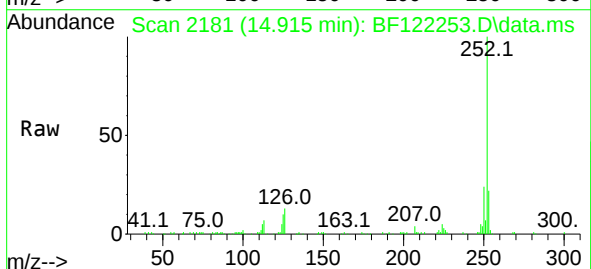
Instrument :
BNA_F
ClientSampleId :
CRT-6

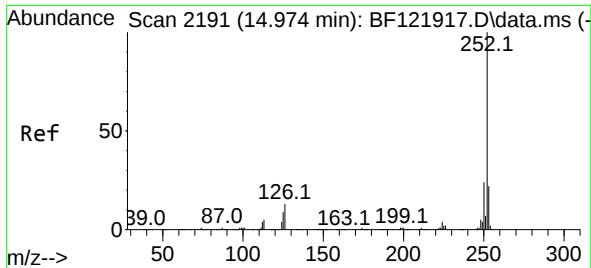
Tgt Ion:276 Resp: 50728
Ion Ratio Lower Upper
276 100
138 21.5 19.9 29.9
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 12.49 ng
RT: 14.915 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:252 Resp: 174359
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 10.2 8.0 12.0

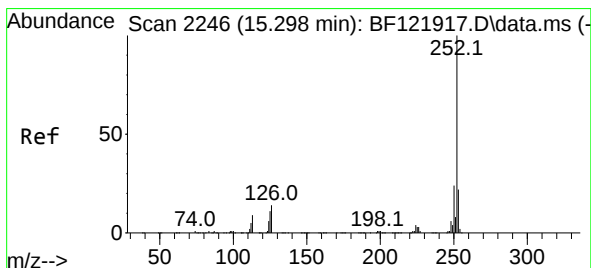
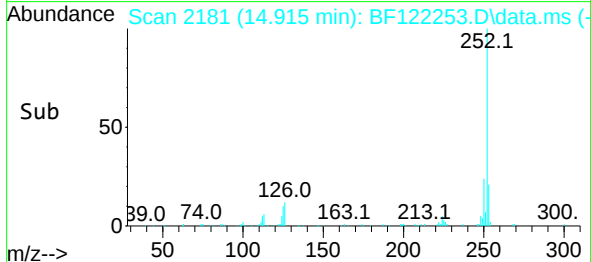
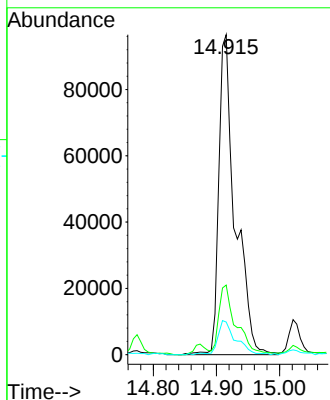
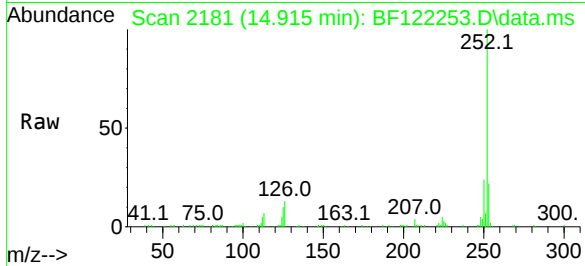




#89
Benzo(k)fluoranthene
Concen: 13.15 ng
RT: 14.915 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

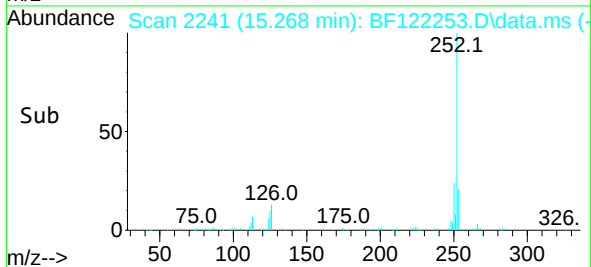
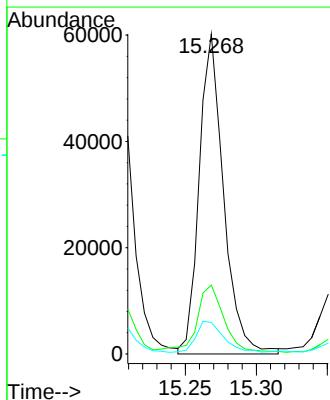
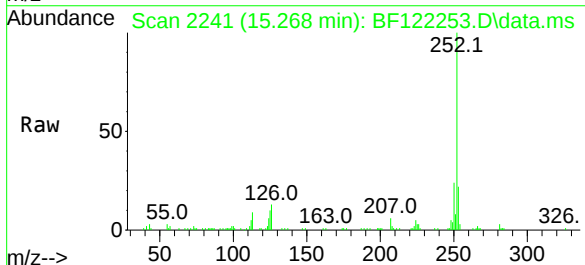
Instrument :
BNA_F
ClientSampleId :
CRT-6

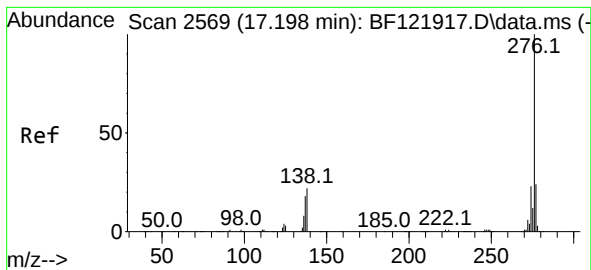
Tgt Ion:252 Resp: 174359
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 10.2 7.7 11.5



#90
Benzo(a)pyrene
Concen: 5.98 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.018 min
Lab File: BF122253.D
Acq: 3 Nov 2020 21:38

Tgt Ion:252 Resp: 72021
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 9.8 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 4.19 ng

RT: 17.192 min Scan# 2568

Delta R.T. 0.059 min

Lab File: BF122253.D

Acq: 3 Nov 2020 21:38

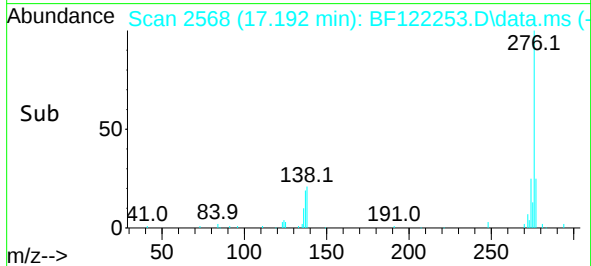
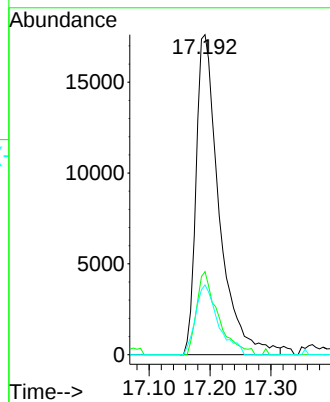
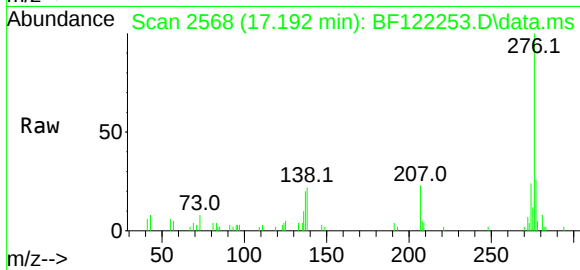
Tgt Ion: 276 Resp: 46321

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.2

138 21.8 17.8 26.6



Instrument :

BNA_F

ClientSampleId :

CRT-6