

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110320\
 Data File : BF122249.D
 Acq On : 3 Nov 2020 19:36
 Operator : JU/CG
 Sample : L4605-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-01

Quant Time: Nov 04 01:07:53 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)

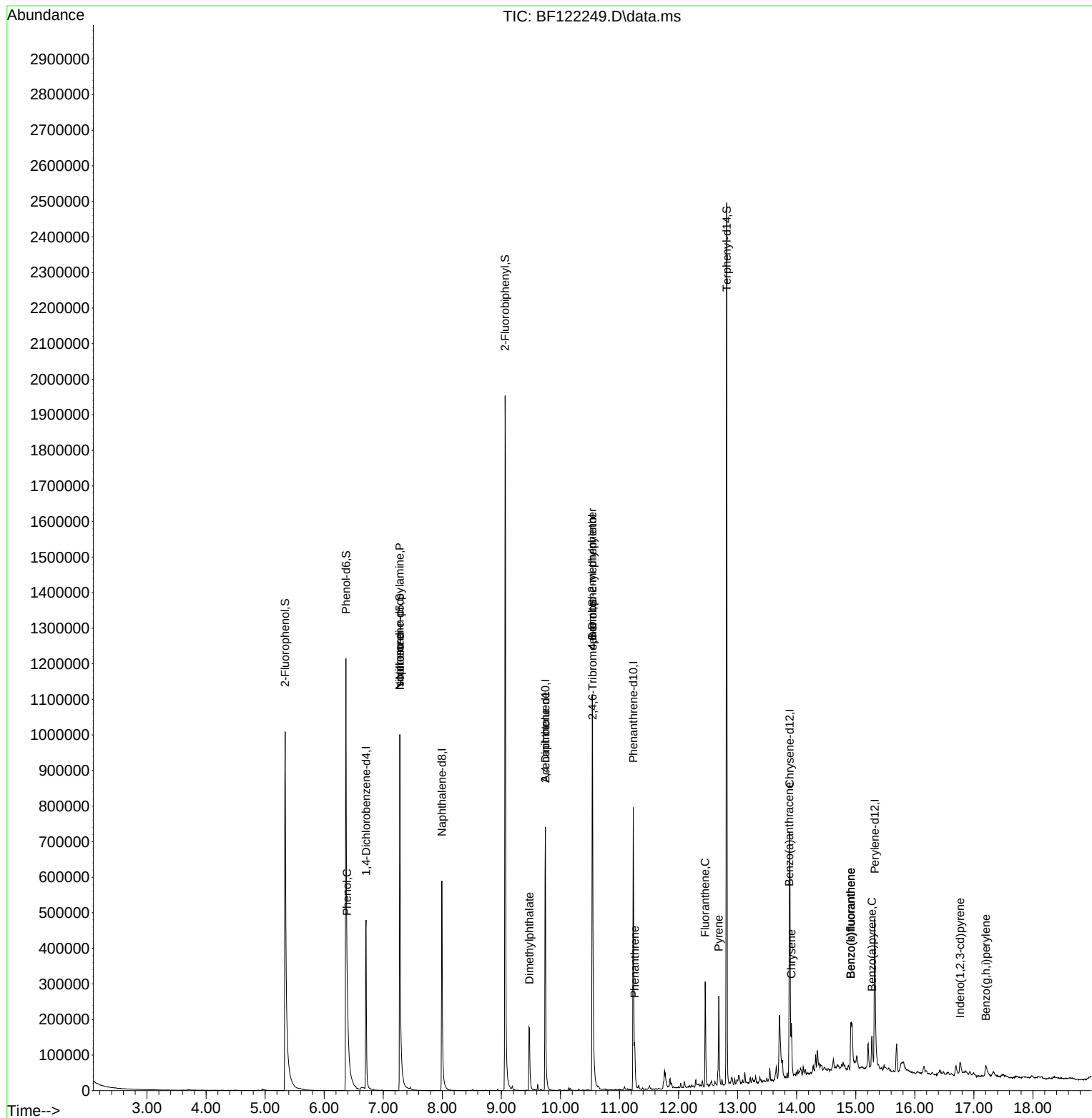
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	81096	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	322244	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	167060	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	319895	20.00	ng	0.00
76) Chrysene-d12	13.880	240	234342	20.00	ng	0.00
86) Perylene-d12	15.321	264	221457	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	490329	89.24	ng	0.00
7) Phenol-d6	6.369	99	628933	88.92	ng	0.00
23) Nitrobenzene-d5	7.281	82	398470	63.42	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	181996	88.07	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	714748	62.95	ng	-0.01
79) Terphenyl-d14	12.815	244	726920	59.12	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1259	Below Cal	#	3
10) Phenol	6.386	94	30926	4.24	ng	# 80
19) n-Nitroso-di-n-propyla...	7.281	70	52439	13.02	ng	# 81
25) Isophorone	7.281	82	398470	33.54	ng	# 67
50) Dimethylphthalate	9.474	163	105257	8.62	ng	100
57) 2,4-Dinitrotoluene	9.745	165	21167	6.42	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.539	198	123	4.48	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	10893	2.95	ng	# 1
71) Phenanthrene	11.257	178	45806	2.61	ng	98
75) Fluoranthene	12.451	202	120344	6.40	ng	97
78) Pyrene	12.680	202	104304	5.84	ng	99
81) Benzo(a)anthracene	13.874	228	38023	2.48	ng	95
83) Chrysene	13.909	228	60360	4.00	ng	97
87) Indeno(1,2,3-cd)pyrene	16.768	276	32388	2.25	ng	94
88) Benzo(b)fluoranthene	14.915	252	93122	6.22	ng	98
89) Benzo(k)fluoranthene	14.915	252	93122	6.55	ng	99
90) Benzo(a)pyrene	15.274	252	40688	3.15	ng	97
92) Benzo(g,h,i)perylene	17.203	276	29186	2.46	ng	98

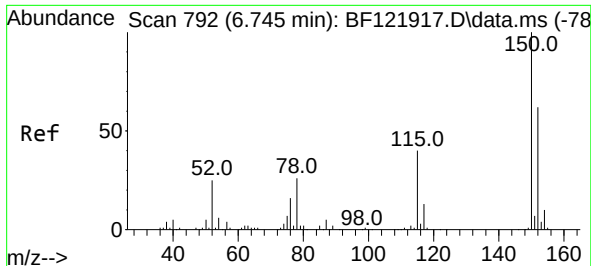
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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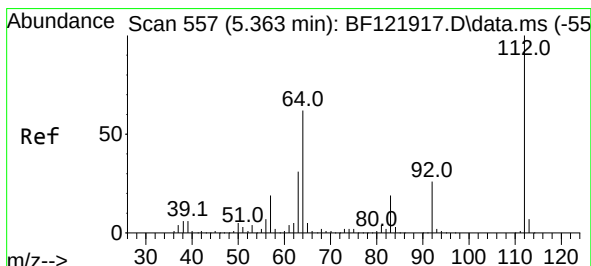
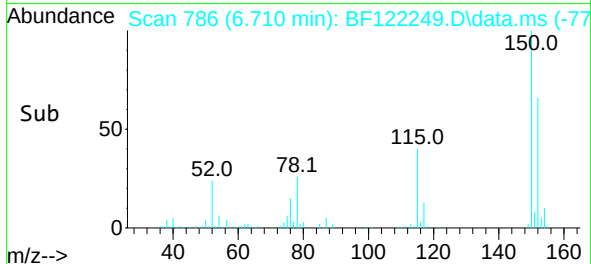
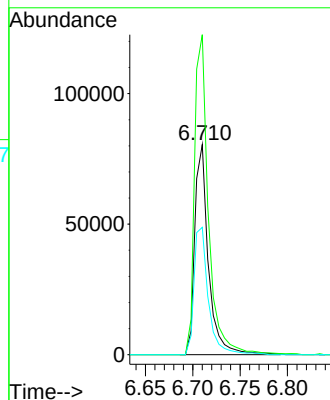
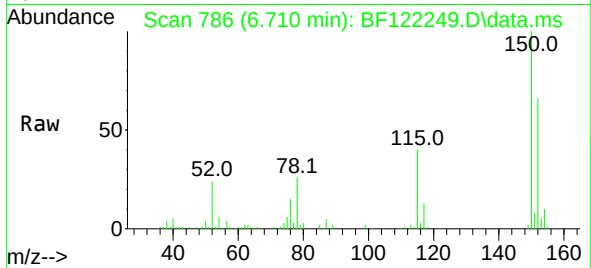




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122249.D
 Acq: 3 Nov 2020 19:36

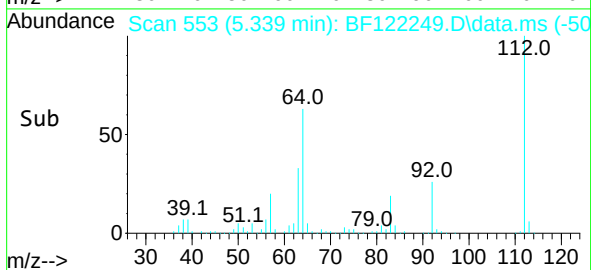
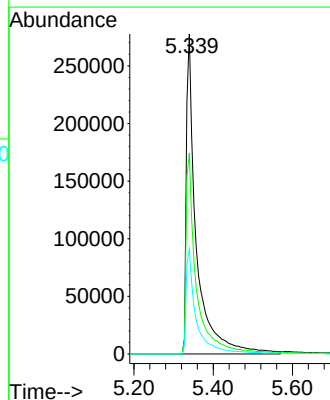
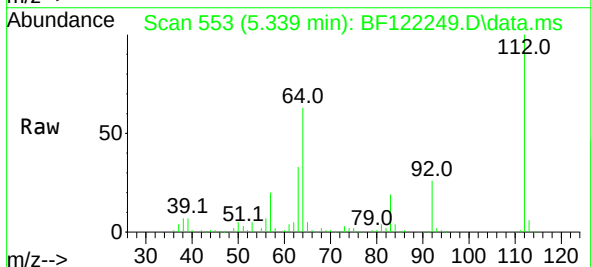
Instrument :
 BNA_F
 ClientSampleId :
 CRT-01

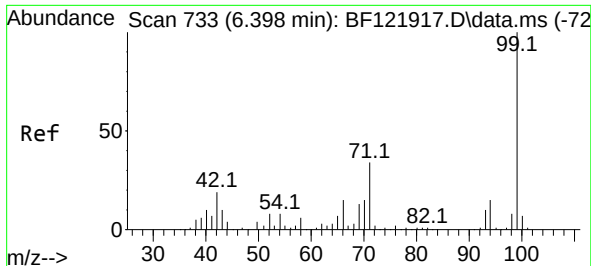
Tgt Ion:152 Resp: 81096
 Ion Ratio Lower Upper
 152 100
 150 152.4 125.3 187.9
 115 60.7 51.9 77.9



#5
 2-Fluorophenol
 Concen: 89.24 ng
 RT: 5.339 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122249.D
 Acq: 3 Nov 2020 19:36

Tgt Ion:112 Resp: 490329
 Ion Ratio Lower Upper
 112 100
 64 62.8 50.4 75.6
 63 32.7 25.8 38.6

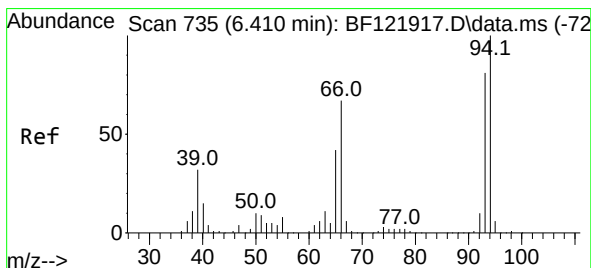
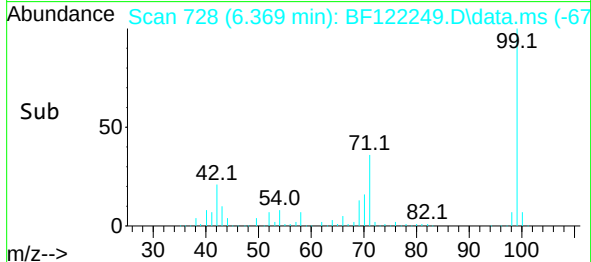
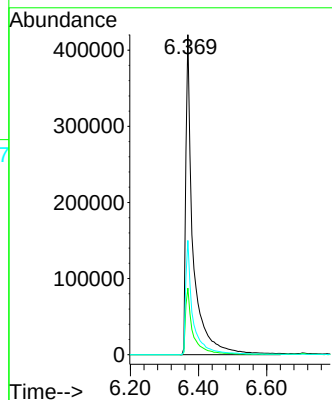
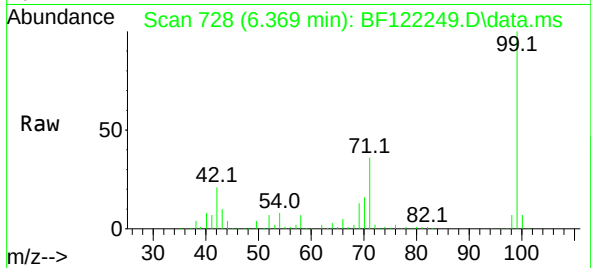




#7
Phenol-d6
Concen: 88.92 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

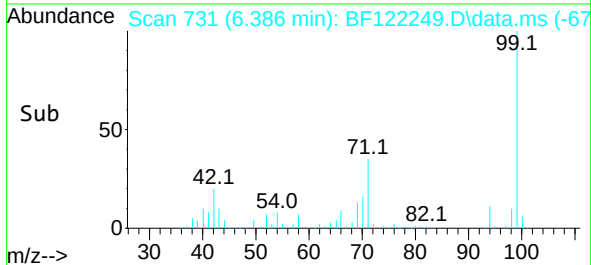
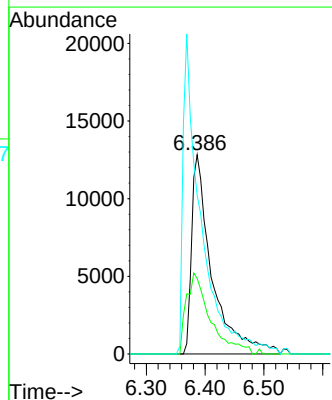
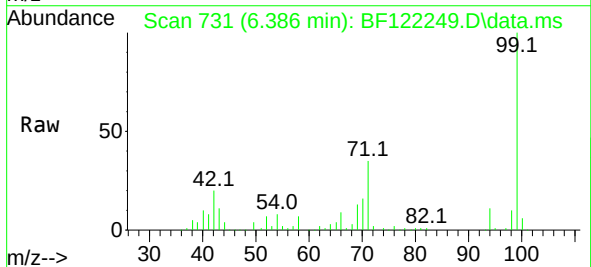
Instrument :
BNA_F
ClientSampleId :
CRT-01

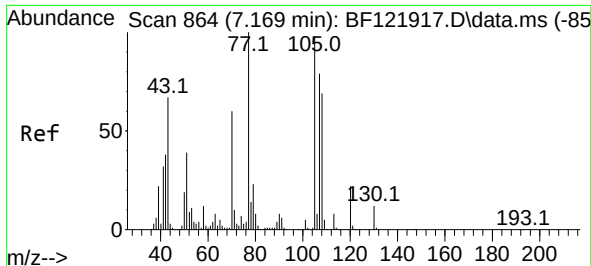
Tgt Ion: 99 Resp: 628933
Ion Ratio Lower Upper
99 100
42 20.8 15.9 23.9
71 35.7 27.1 40.7



#10
Phenol
Concen: 4.24 ng
RT: 6.386 min Scan# 731
Delta R.T. 0.005 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion: 94 Resp: 30926
Ion Ratio Lower Upper
94 100
65 37.9 17.1 57.1
66 79.6 36.0 76.0#



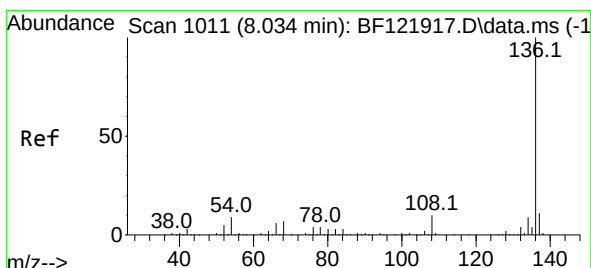
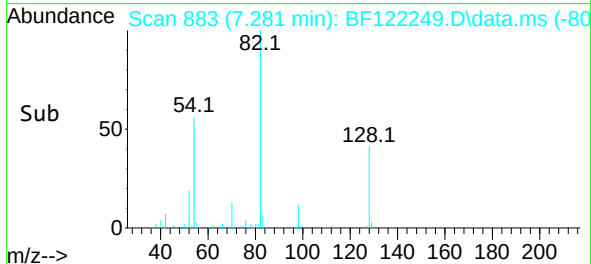
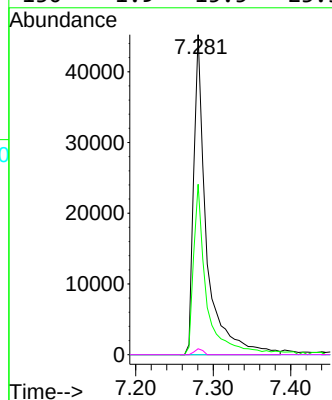
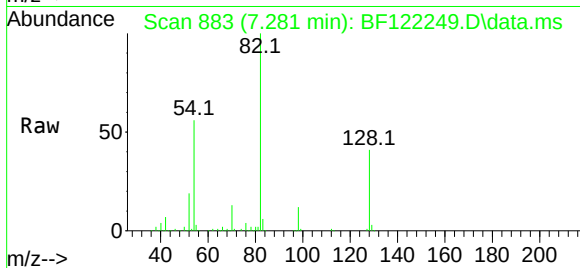


#19

n-Nitroso-di-n-propylamine
Concen: 13.02 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Instrument :
BNA_F
ClientSampleId :
CRT-01

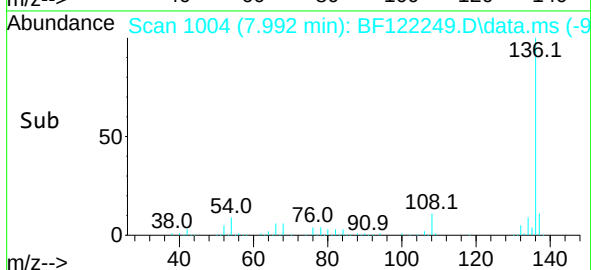
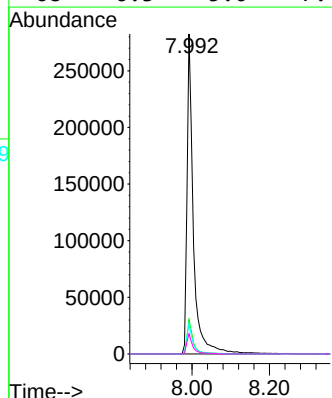
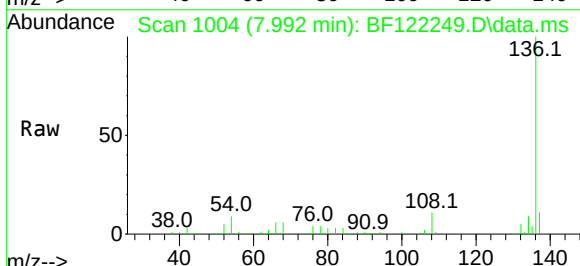
Tgt Ion:	70	Resp:	52439
Ion	Ratio	Lower	Upper
70	100		
42	53.2	50.2	75.4
101	0.0	7.5	11.3#
130	1.9	15.5	23.3#

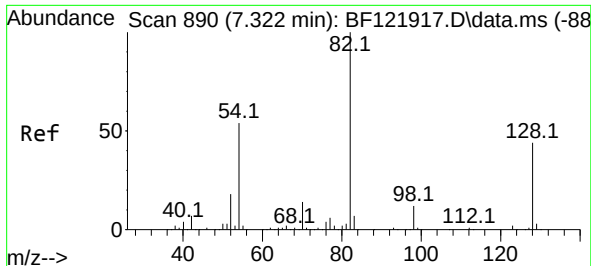


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion:	136	Resp:	322244
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.5	7.1	10.7
68	6.3	5.0	7.4

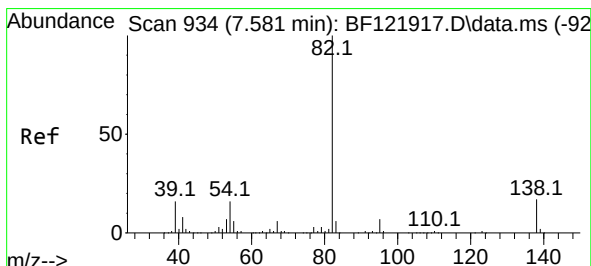
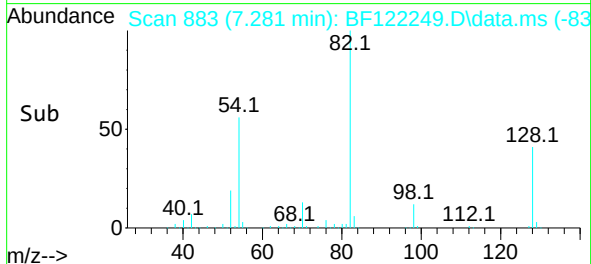
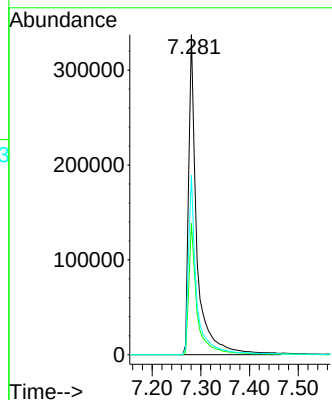
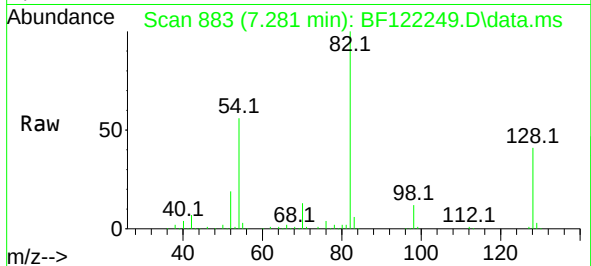




#23
Nitrobenzene-d5
Concen: 63.42 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

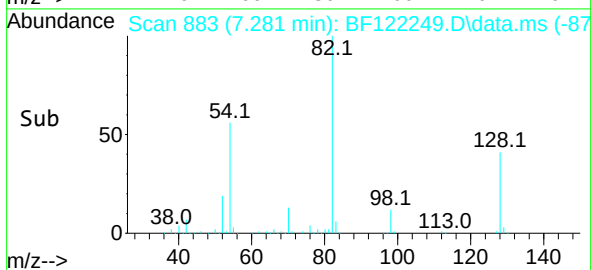
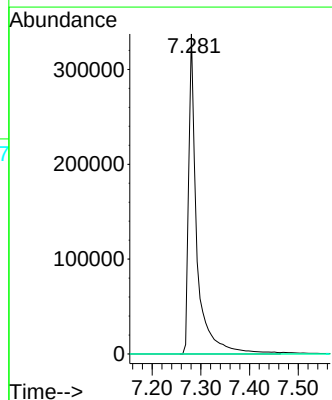
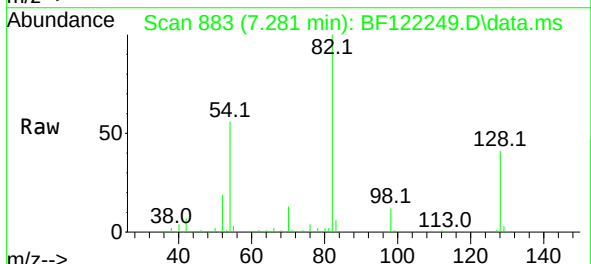
Instrument :
BNA_F
ClientSampleId :
CRT-01

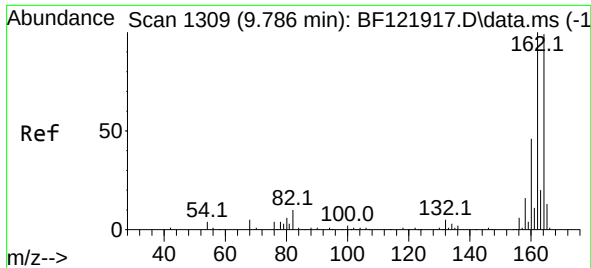
Tgt Ion: 82 Resp: 398470
Ion Ratio Lower Upper
82 100
128 41.1 35.0 52.4
54 56.1 43.9 65.9



#25
Isophorone
Concen: 33.54 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion: 82 Resp: 398470
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

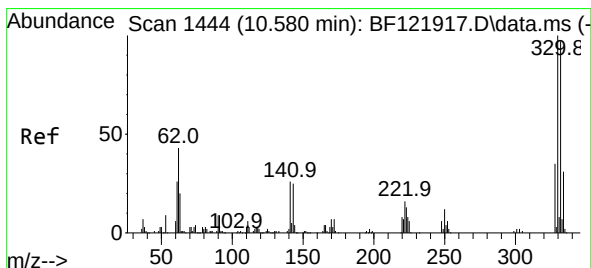
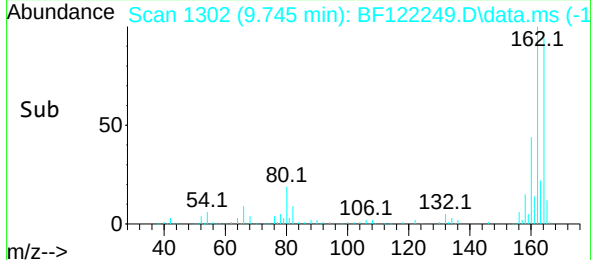
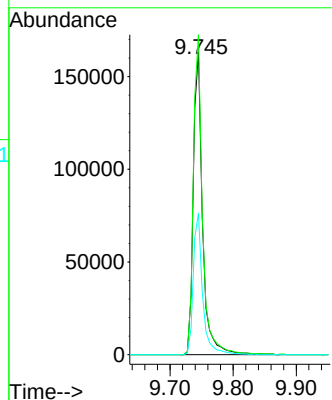
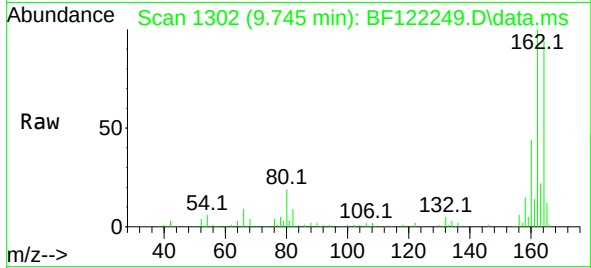




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

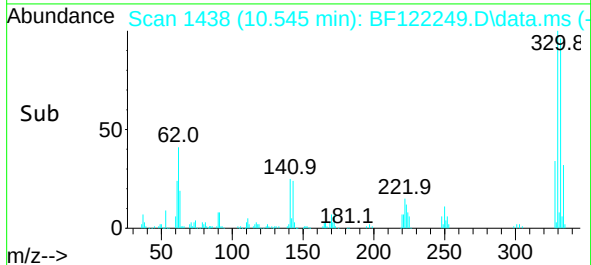
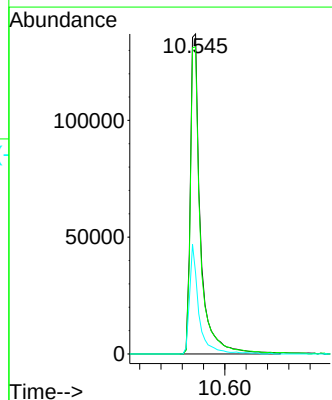
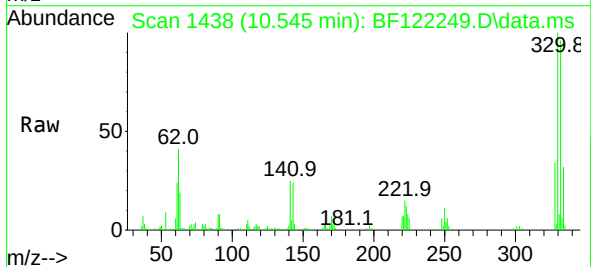
Instrument :
BNA_F
ClientSampleId :
CRT-01

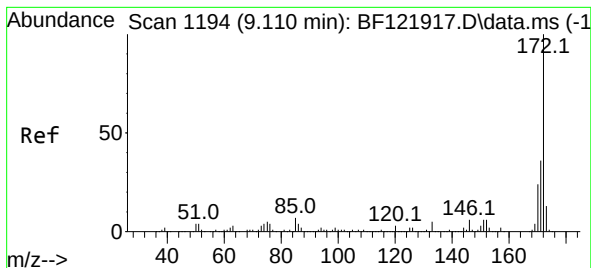
Tgt Ion:164 Resp: 167060
Ion Ratio Lower Upper
164 100
162 105.8 83.2 124.8
160 46.9 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 88.07 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion:330 Resp: 181996
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 31.2 22.3 33.5

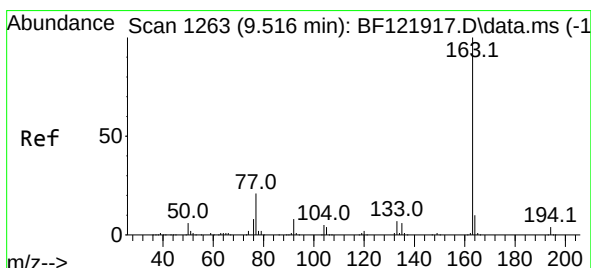
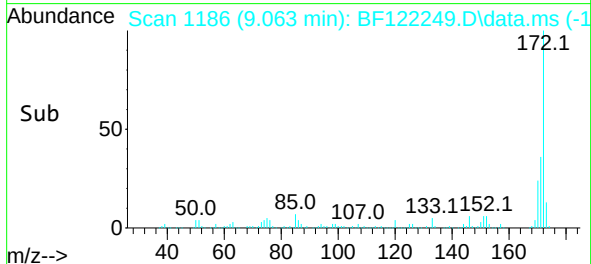
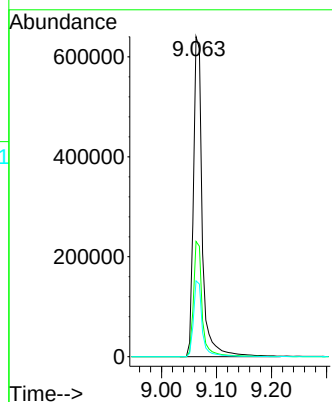
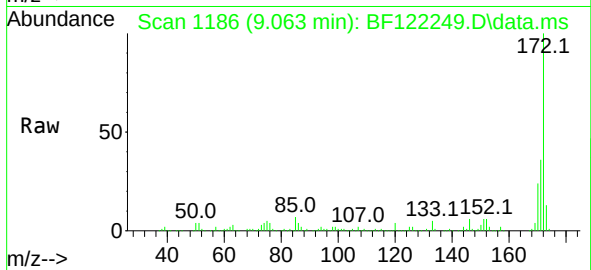




#45
2-Fluorobiphenyl
Concen: 62.95 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

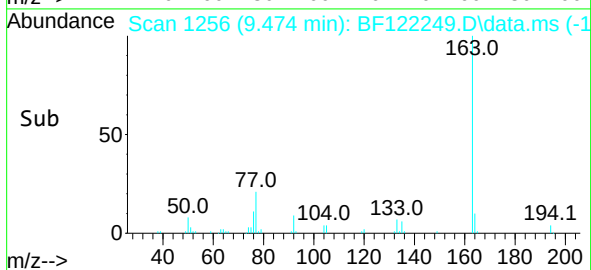
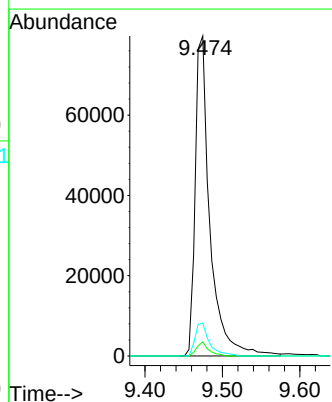
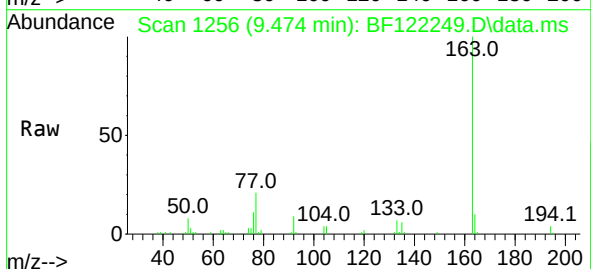
Instrument :
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CRT-01

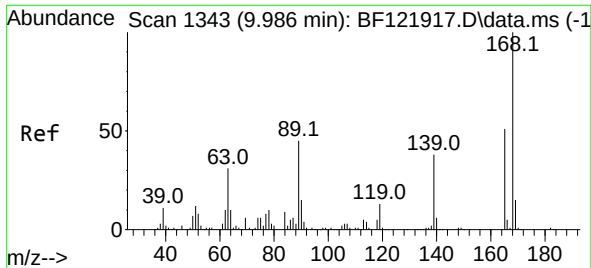
Tgt Ion:172 Resp: 714748
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 23.7 19.8 29.6



#50
Dimethylphthalate
Concen: 8.62 ng
RT: 9.474 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

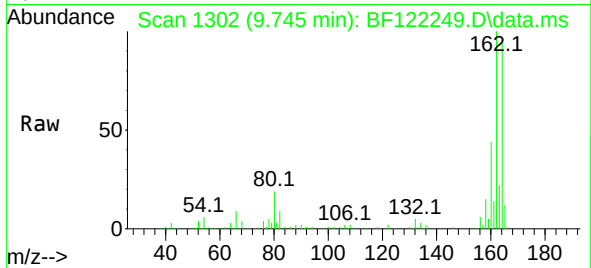
Tgt Ion:163 Resp: 105257
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.3 8.2 12.4



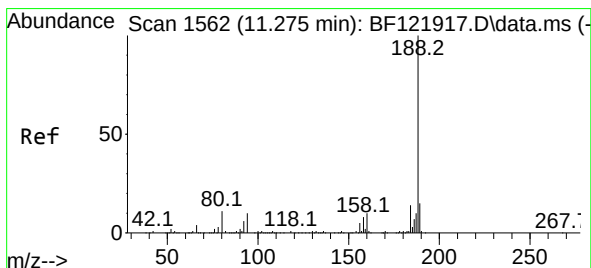
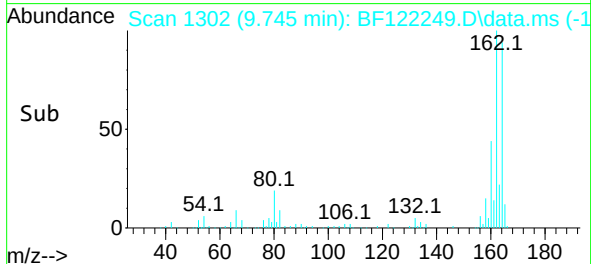
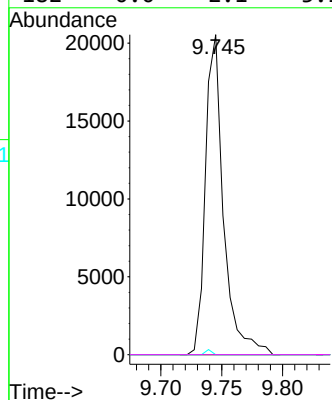


#57
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Instrument :
BNA_F
ClientSampled :
CRT-01

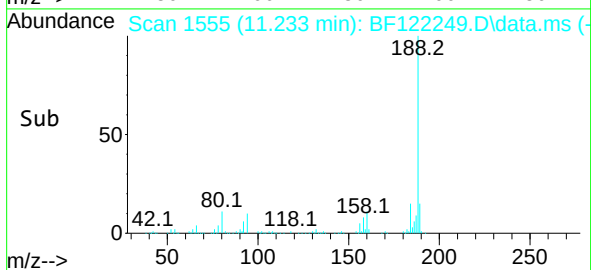
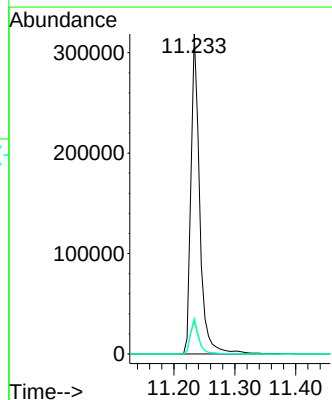
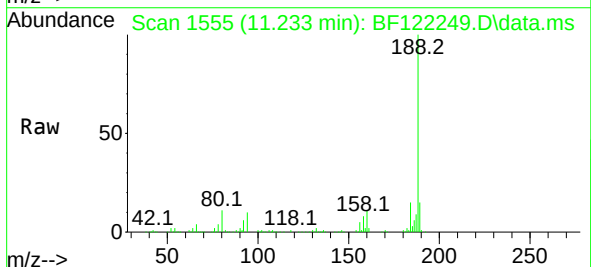


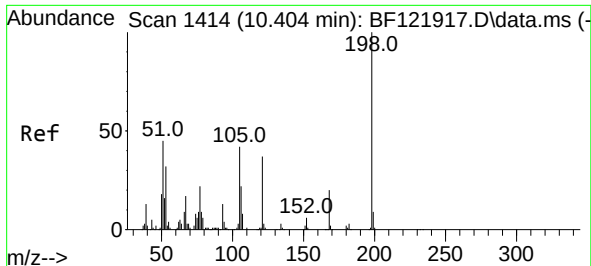
Tgt Ion:165 Resp: 21167
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 0.0 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion:188 Resp: 319895
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.2 9.1 13.7

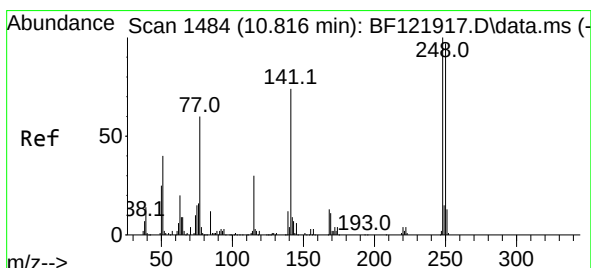
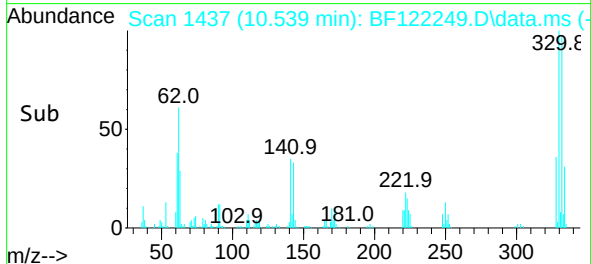
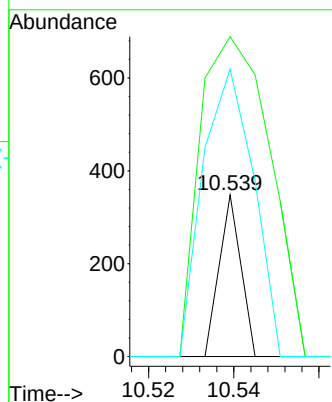
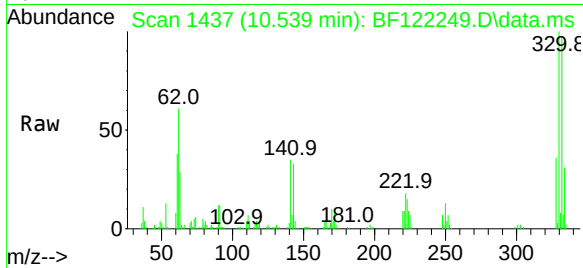




#65
4,6-Dinitro-2-methylphenol
Concen: 4.48 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

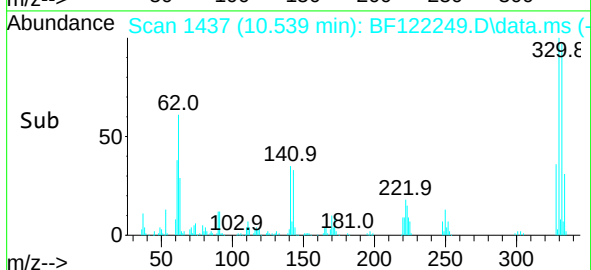
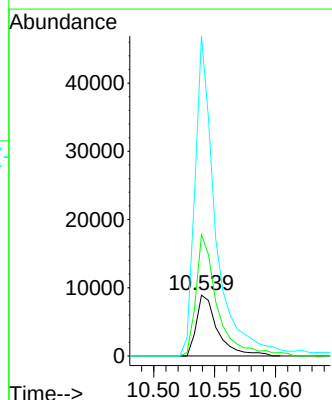
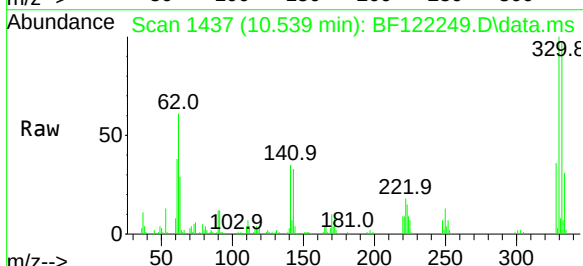
Instrument :
BNA_F
ClientSampleId :
CRT-01

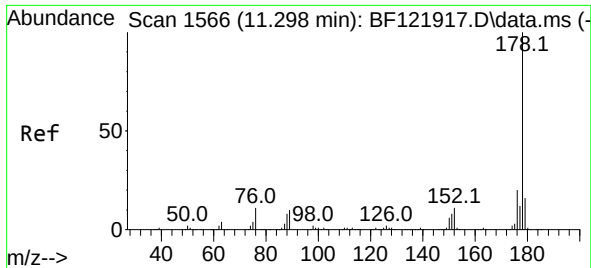
Tgt Ion:198 Resp: 123
Ion Ratio Lower Upper
198 100
51 198.0 29.6 69.6#
105 177.9 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.95 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion:248 Resp: 10893
Ion Ratio Lower Upper
248 100
250 199.1 77.0 115.6#
141 525.6 53.7 80.5#

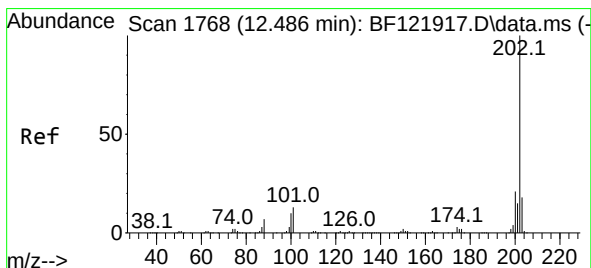
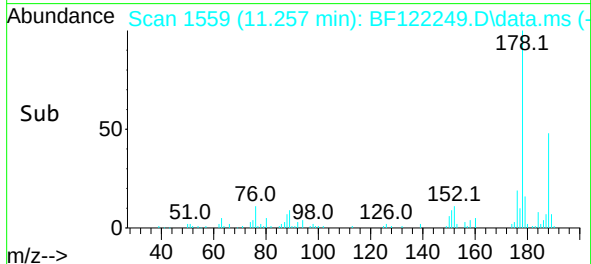
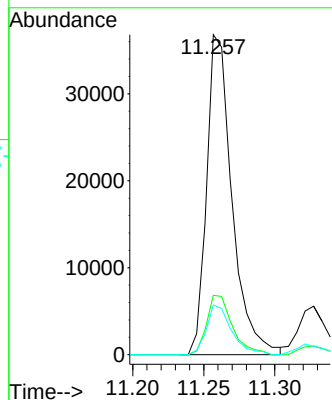
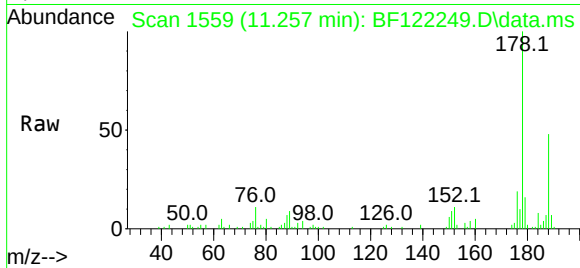




#71
Phenanthrene
Concen: 2.61 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

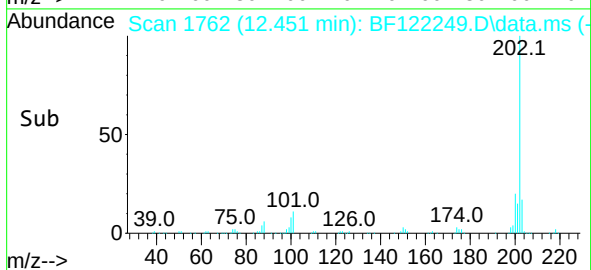
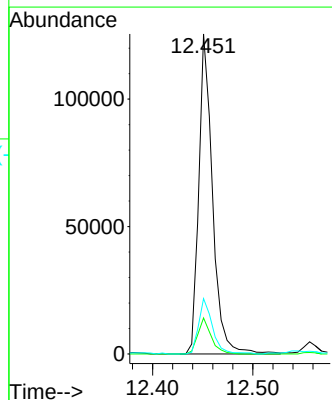
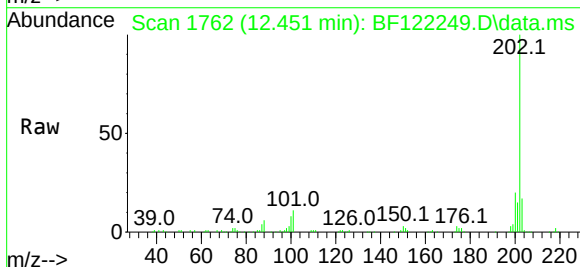
Instrument :
BNA_F
ClientSampleId :
CRT-01

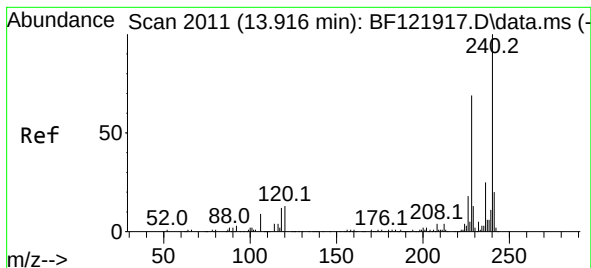
Tgt Ion:178 Resp: 45806
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 6.40 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

Tgt Ion:202 Resp: 120344
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.4
203 17.3 0.0 37.9

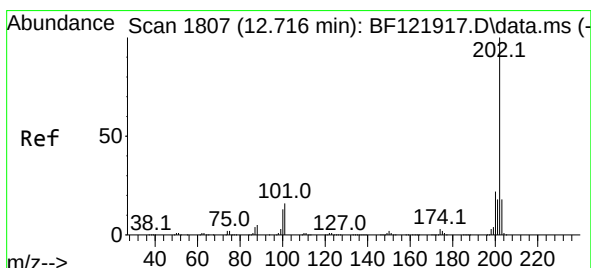
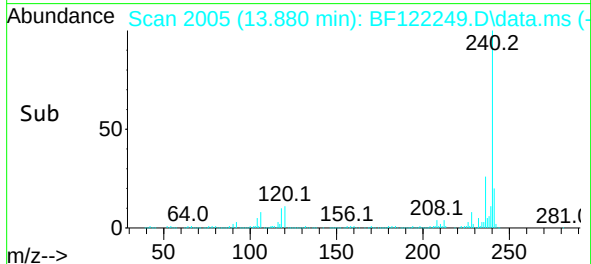
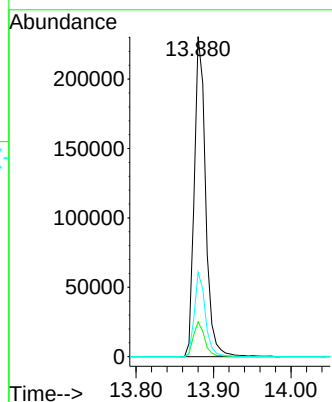
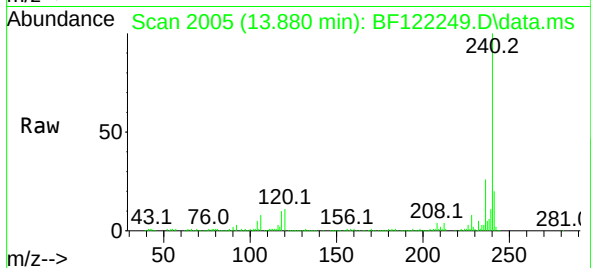




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

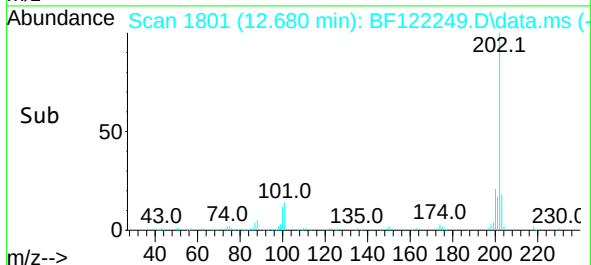
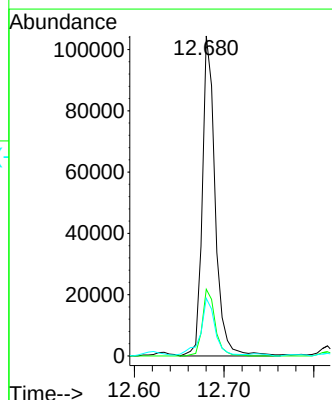
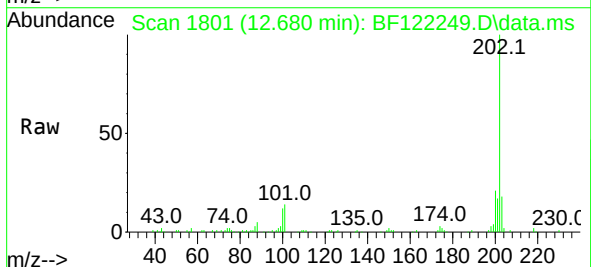
Instrument :
BNA_F
ClientSampleId :
CRT-01

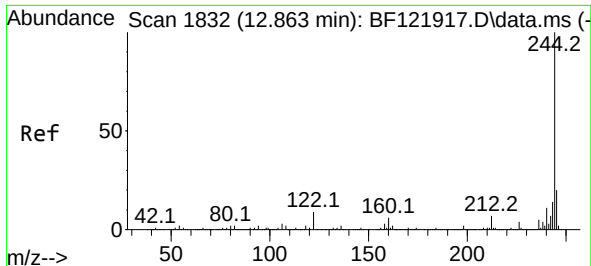
Tgt Ion:240 Resp: 234342
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 26.4 20.9 31.3



#78
Pyrene
Concen: 5.84 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF122249.D
Acq: 3 Nov 2020 19:36

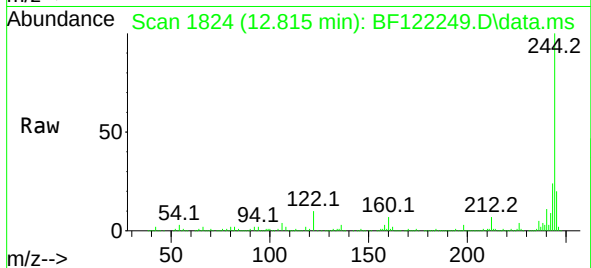
Tgt Ion:202 Resp: 104304
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.0 14.6 21.8



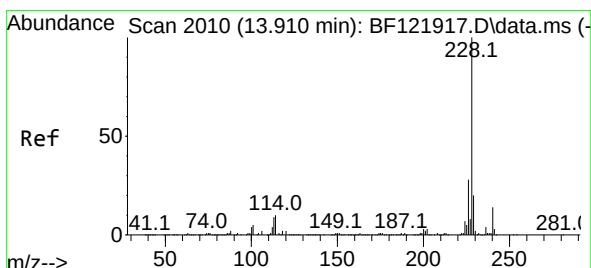
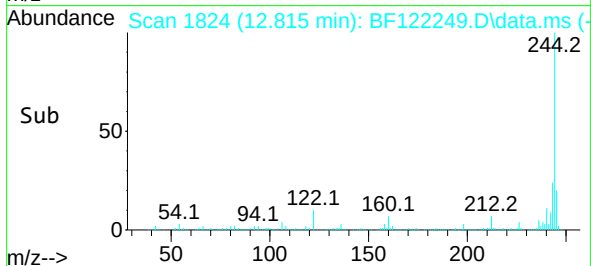
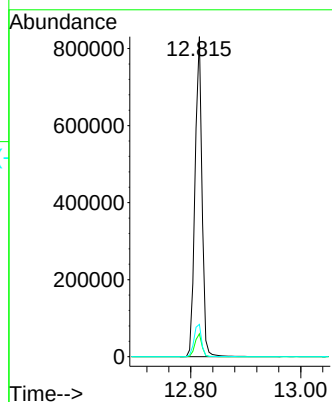


#79
 Terphenyl-d14
 Concen: 59.12 ng
 RT: 12.815 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122249.D
 Acq: 3 Nov 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 CRT-01

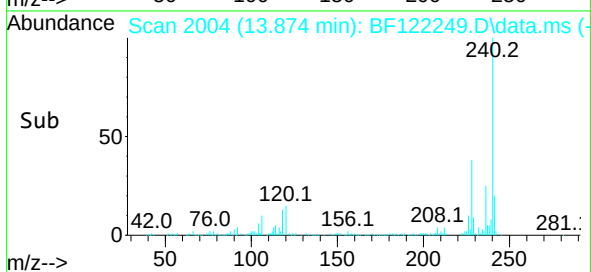
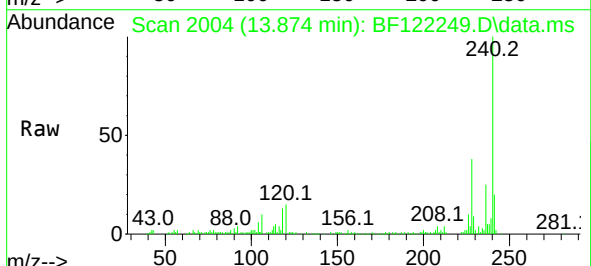
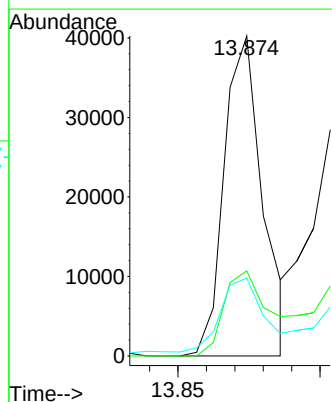


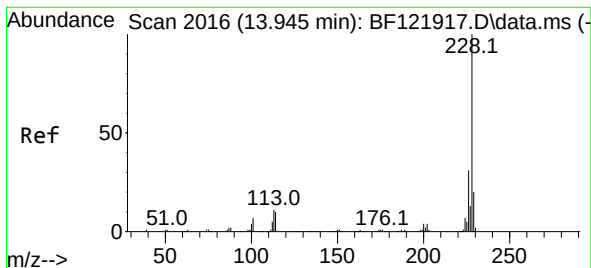
Tgt Ion:244 Resp: 726920
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.1 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 2.48 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122249.D
 Acq: 3 Nov 2020 19:36

Tgt Ion:228 Resp: 38023
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.3 33.5
 229 24.3 16.2 24.4





#83

Chrysene

Concen: 4.00 ng

RT: 13.909 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

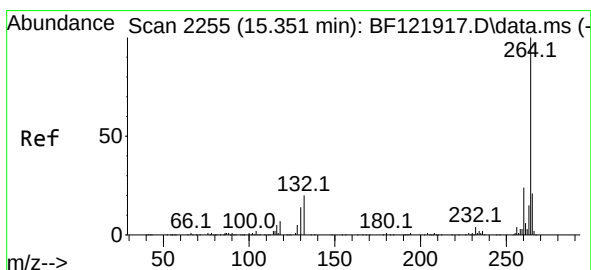
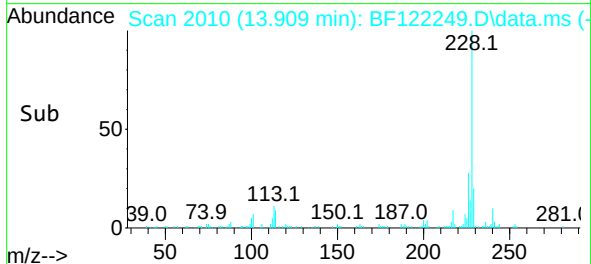
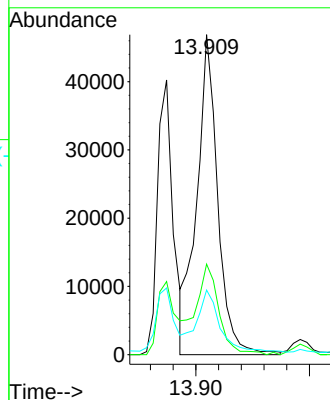
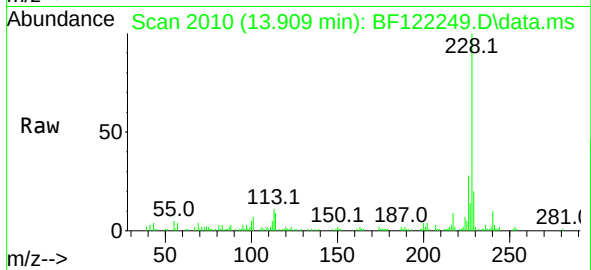
Tgt Ion:228 Resp: 60360

Ion Ratio Lower Upper

228 100

226 28.3 24.6 37.0

229 20.2 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.017 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

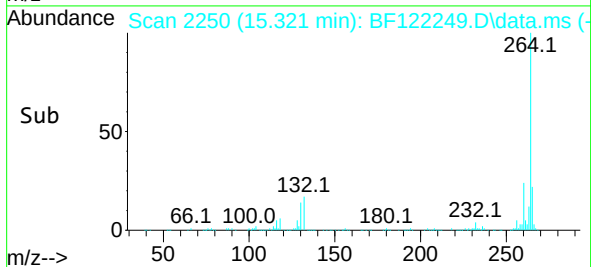
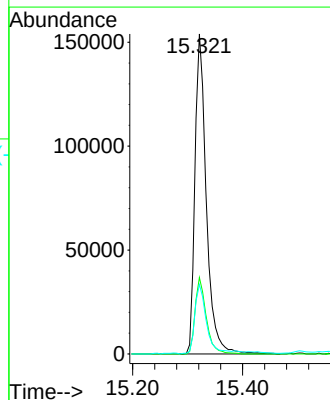
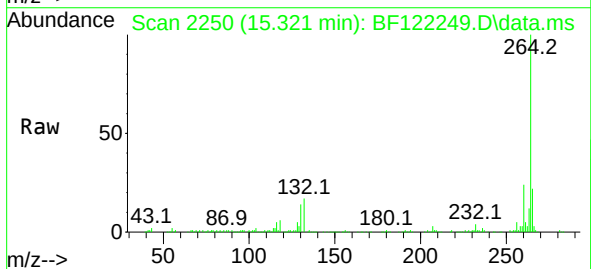
Tgt Ion:264 Resp: 221457

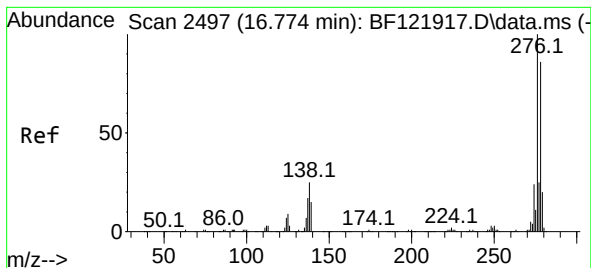
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.25 ng

RT: 16.768 min Scan# 2496

Delta R.T. 0.053 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

Tgt Ion:276 Resp: 32388

Ion Ratio Lower Upper

276 100

138 21.0 19.9 29.9

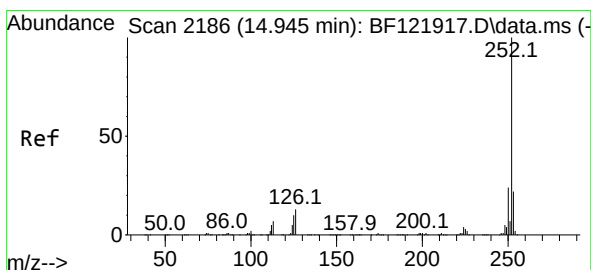
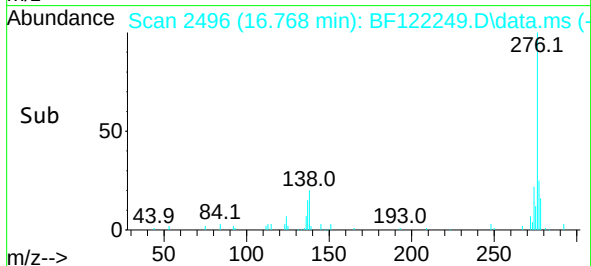
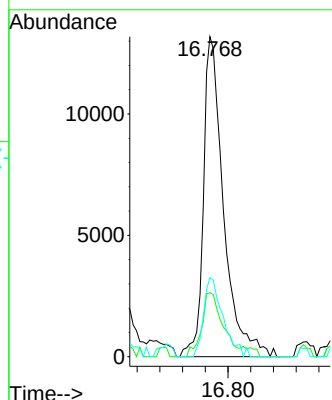
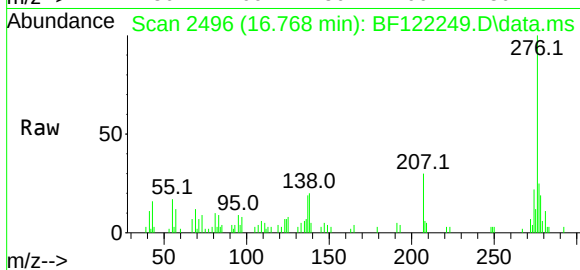
277 23.7 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

CRT-01



#88

Benzo(b)fluoranthene

Concen: 6.22 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.017 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

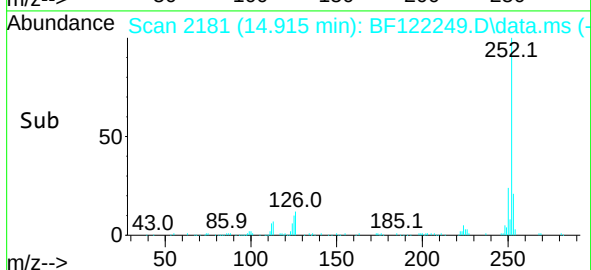
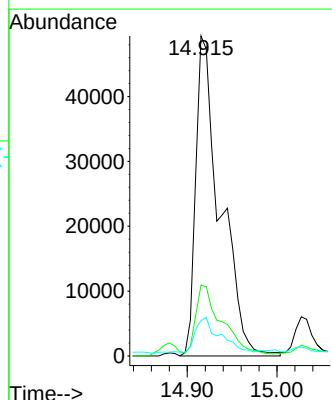
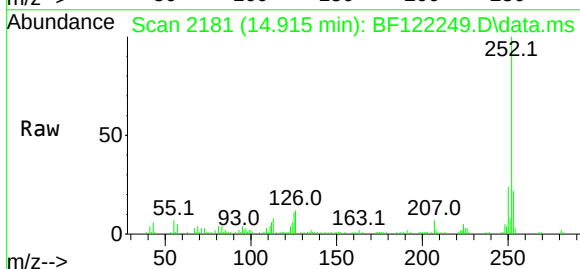
Tgt Ion:252 Resp: 93122

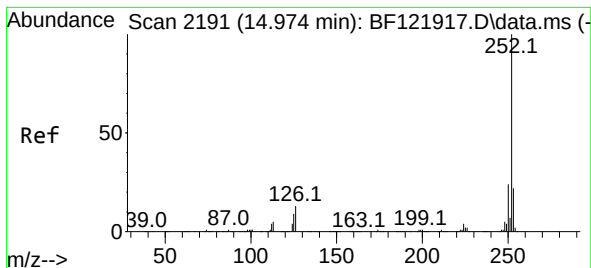
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 11.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.55 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

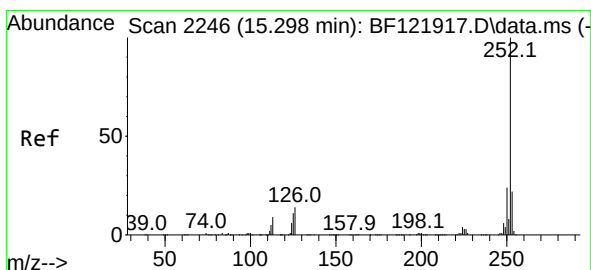
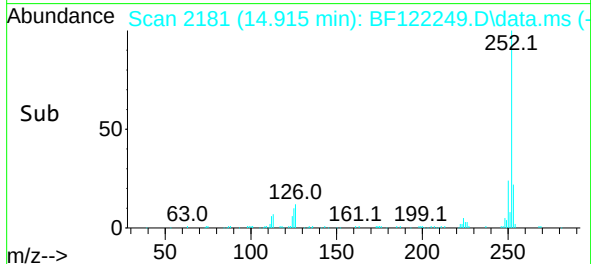
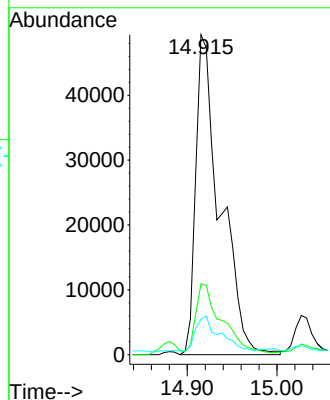
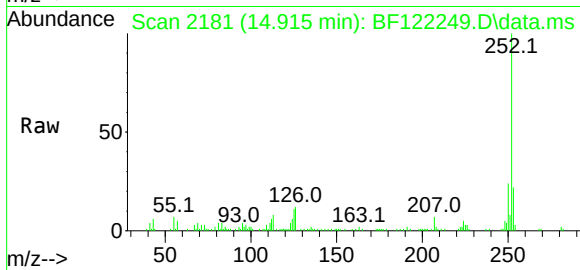
Tgt Ion:252 Resp: 93122

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 11.0 7.7 11.5



#90

Benzo(a)pyrene

Concen: 3.15 ng

RT: 15.274 min Scan# 2242

Delta R.T. 0.023 min

Lab File: BF122249.D

Acq: 3 Nov 2020 19:36

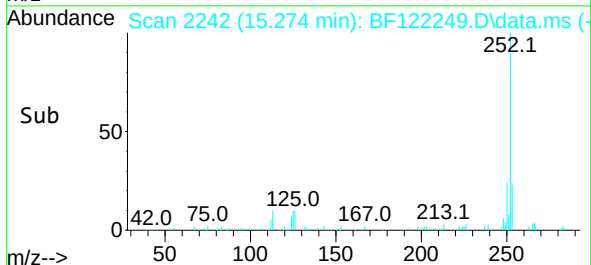
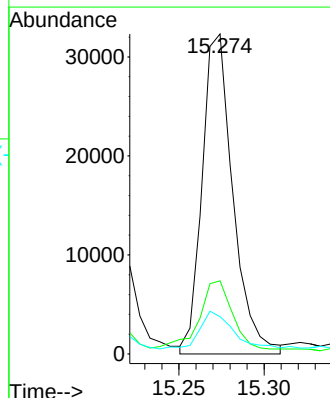
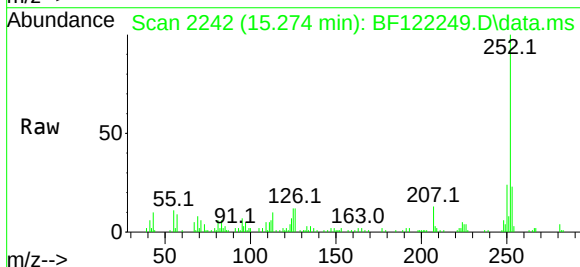
Tgt Ion:252 Resp: 40688

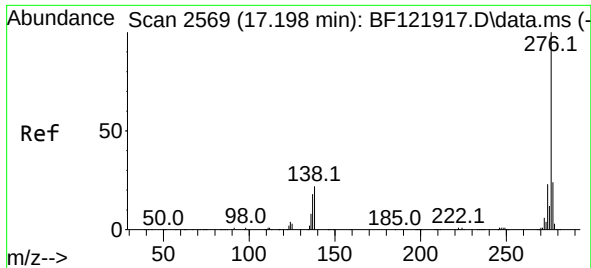
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

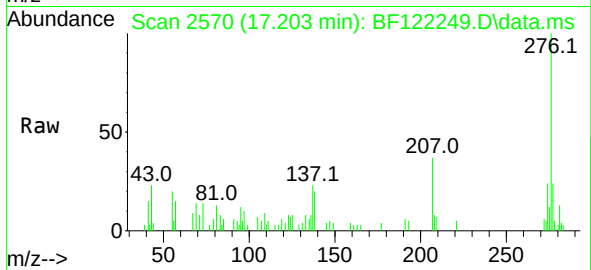
125 11.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.46 ng
 RT: 17.203 min Scan# 2570
 Delta R.T. 0.070 min
 Lab File: BF122249.D
 Acq: 3 Nov 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 CRT-01



Tgt Ion:	276	Resp:	29186
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	20.4	17.8	26.6

