

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120251.D
 Acq On : 30 Apr 2020 20:40
 Operator : MA/SJ
 Sample : L2444-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 00:44:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 12:39:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	110631	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	409239	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	205884	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	366646	20.00	ng	0.00
76) Chrysene-d12	13.82	240	314135	20.00	ng	0.00
87) Perylene-d12	15.23	264	324439	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	679183	106.10	ng	0.00
7) Phenol-d6	6.30	99	876857	106.30	ng	0.00
23) Nitrobenzene-d5	7.22	82	526203	66.52	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	219229	86.97	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1029321	70.98	ng	0.00
79) Terphenyl-d14	12.77	244	1139380	61.03	ng	0.00

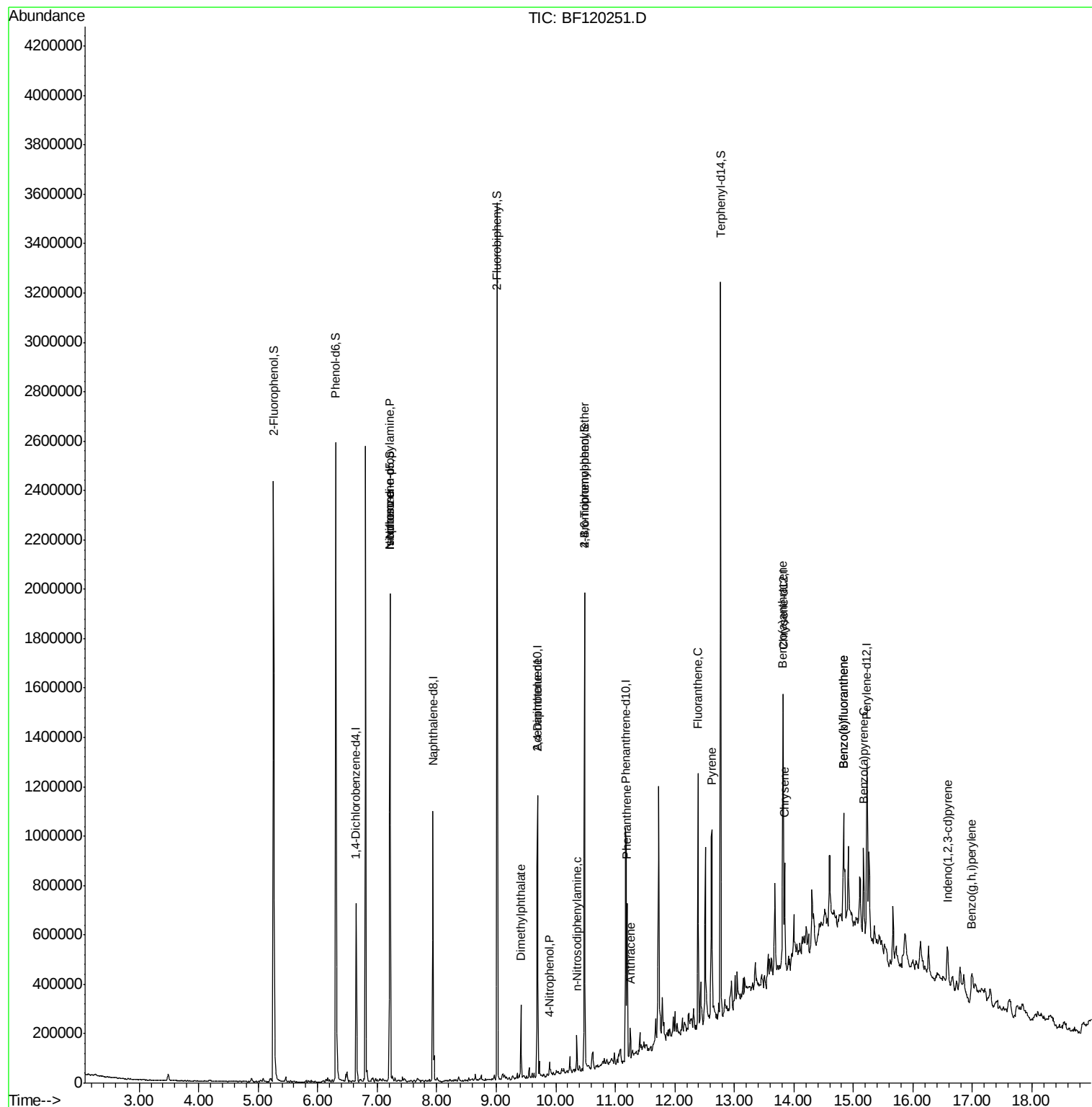
Target Compounds				Qvalue		
9) Benzaldehyde	6.20	77	1201	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	70797	13.347	ng	80
25) Isophorone	7.22	82	526189	34.506	ng	65
50) Dimethylphthalate	9.42	163	105501	6.625	ng	99
56) 4-Nitrophenol	9.90	139	6278	2.119	ng	13
57) 2,4-Dinitrotoluene	9.69	165	26421	5.751	ng	20
66) n-Nitrosodiphenylamine	10.35	169	26868	2.203	ng	98
67) 4-Bromophenyl-phenylether	10.48	248	14321	3.141	ng	1
71) Phenanthrene	11.20	178	230092	11.792	ng	98
72) Anthracene	11.25	178	45483	2.282	ng	98
75) Fluoranthene	12.39	202	398151	18.910	ng	96
78) Pyrene	12.62	202	348794	13.171	ng	97
81) Benzo(a)anthracene	13.81	228	191354	9.259	ng	97
83) Chrysene	13.84	228	161853	7.708	ng	97
86) Indeno(1,2,3-cd)pyrene	16.58	276	98742	5.335	ng	96
88) Benzo(b)fluoranthene	14.83	252	290750	12.457	ng	# 93
89) Benzo(k)fluoranthene	14.83	252	290750	14.438	ng	# 94
90) Benzo(a)pyrene	15.17	252	153849	7.840	ng	96
92) Benzo(a,h,i)perylene	16.99	276	86895	5.064	ng	98

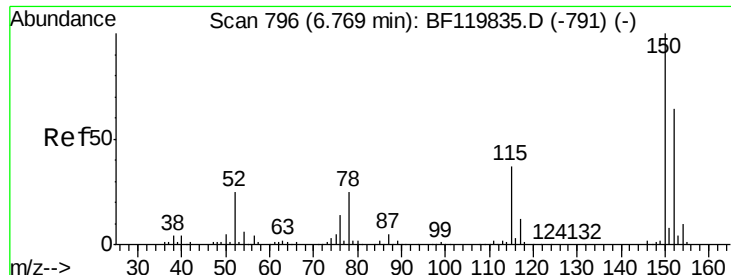
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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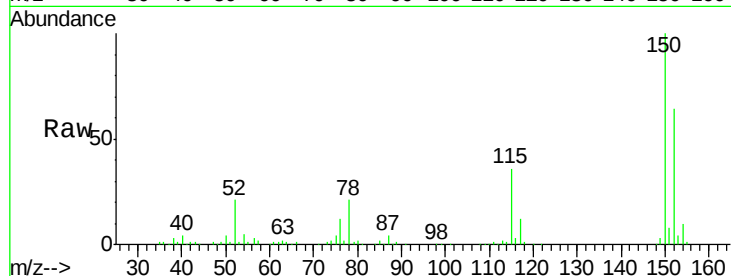


#1

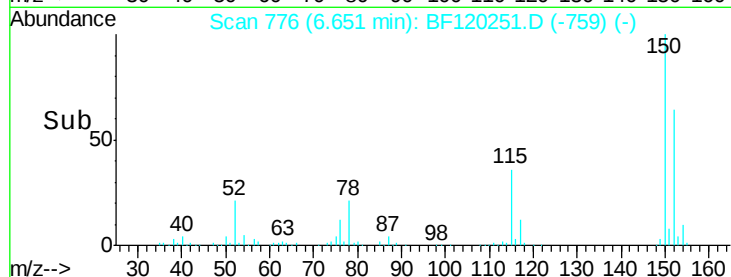
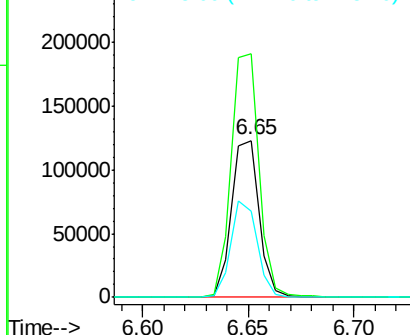
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.5	186.7
115	55.3	49.6	74.4



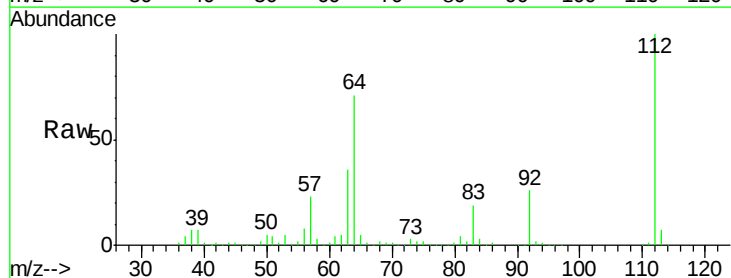
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



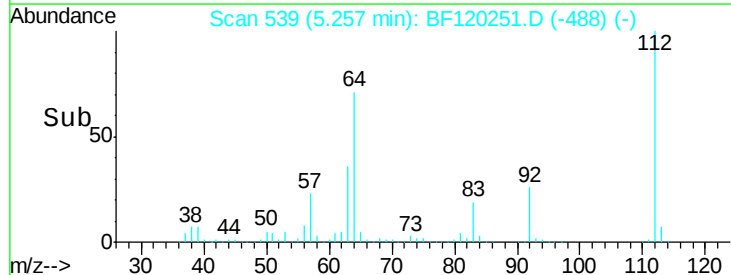
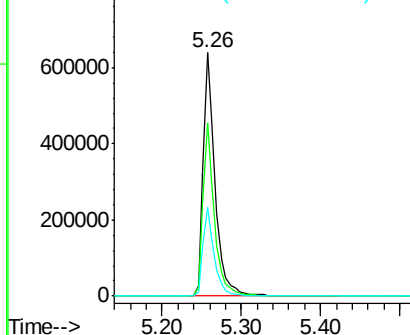
#5

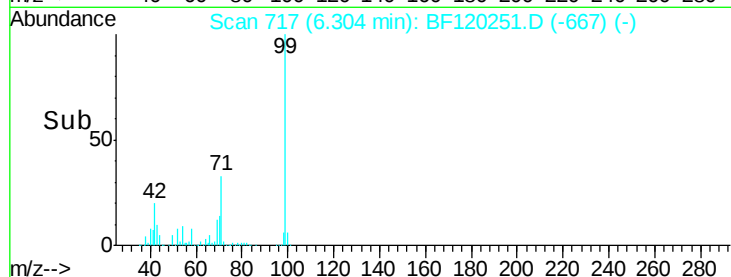
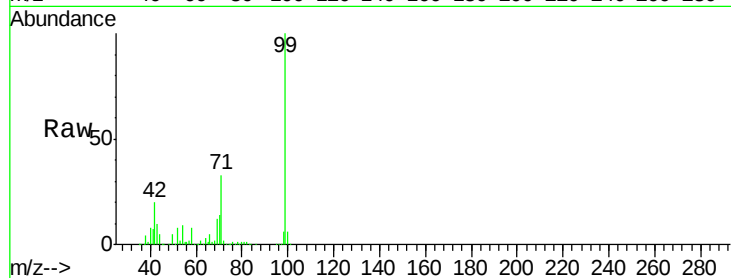
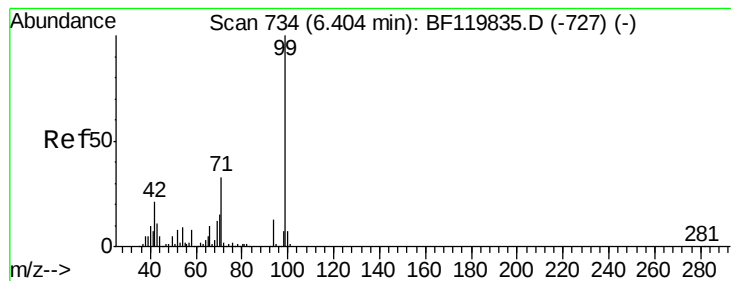
2-Fluorophenol
 Concen: 106.096 ng
 RT: 5.26 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.7	85.1
63	36.4	29.5	44.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.302 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

Instrument :

BNA_F

ClientSampleId :

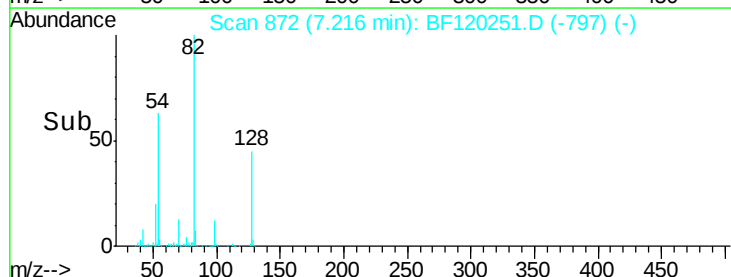
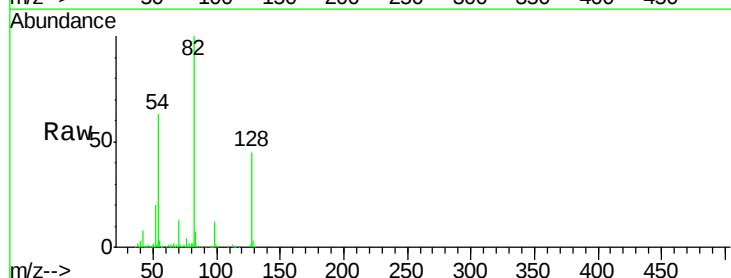
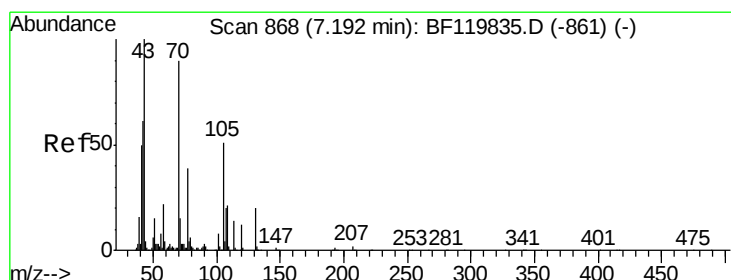
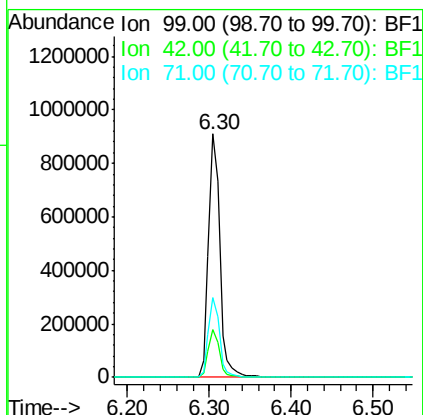
Tot Ion: 99 Resp: 876857

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 32.8 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.347 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

Tgt Ion: 70 Resp: 70797

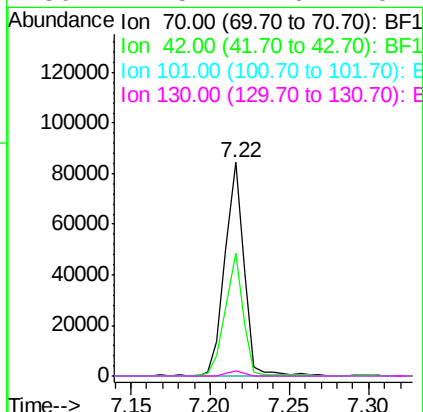
Ion Ratio Lower Upper

70 100

42 57.5 54.5 81.7

101 0.0 7.6 11.4#

130 2.5 17.6 26.4#

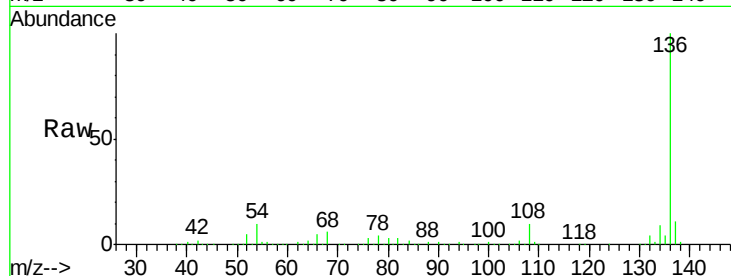




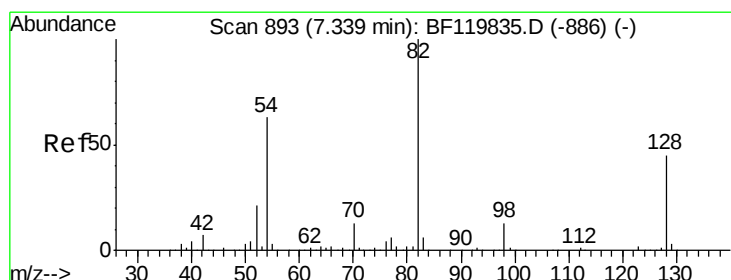
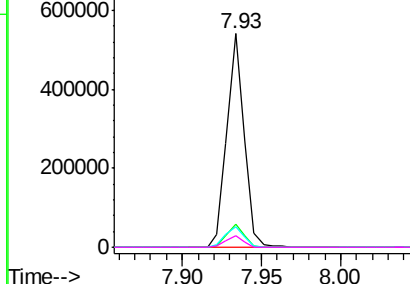
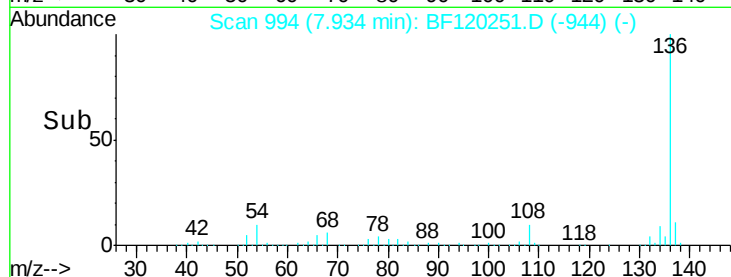
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	409239	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.7	13.1	
54 9.8	9.1	13.7	
68 5.7	4.6	6.8	

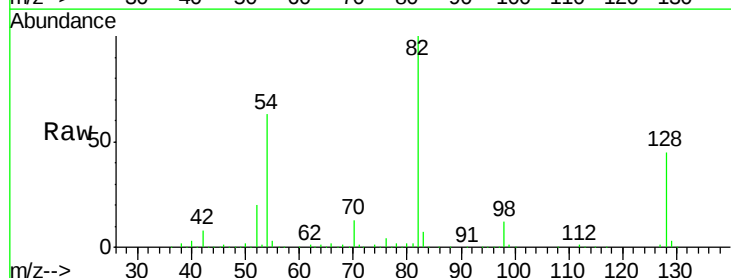


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

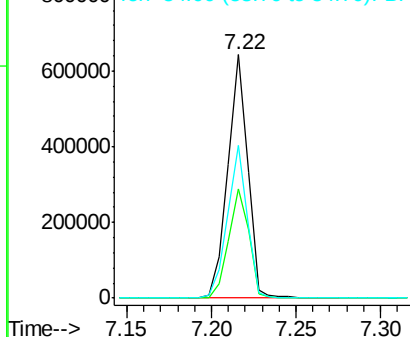
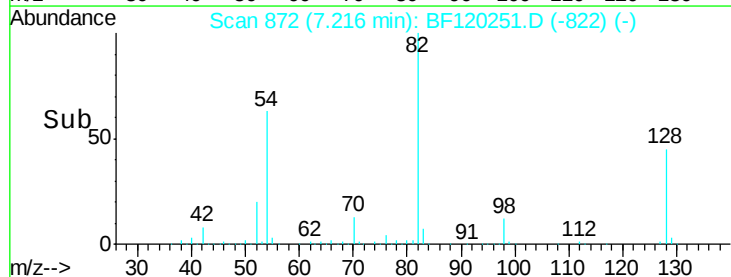


#23
Nitrobenzene-d5
Concen: 66.519 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt	Ion: 82	Resp:	526203
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.3	54.5
54	62.9	50.6	75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.506 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

Instrument :

BNA_F

ClientSampleId :

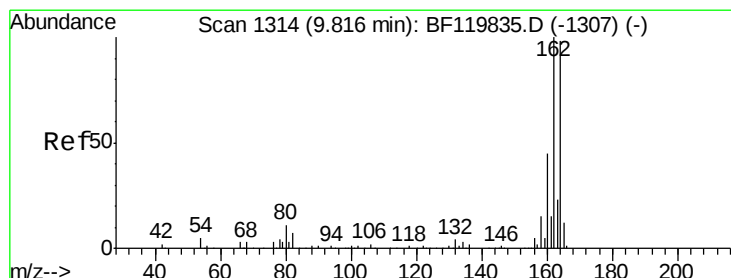
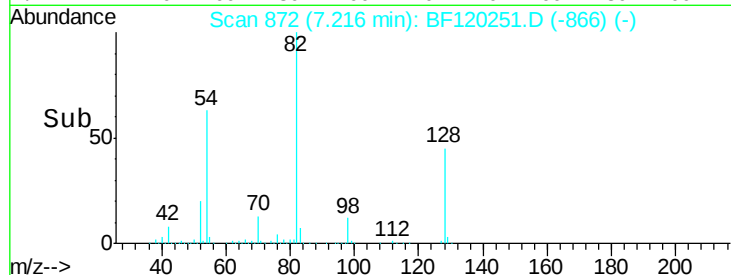
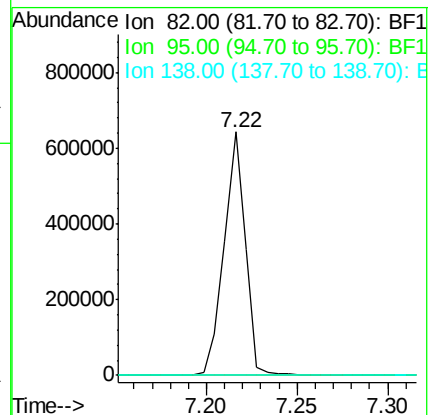
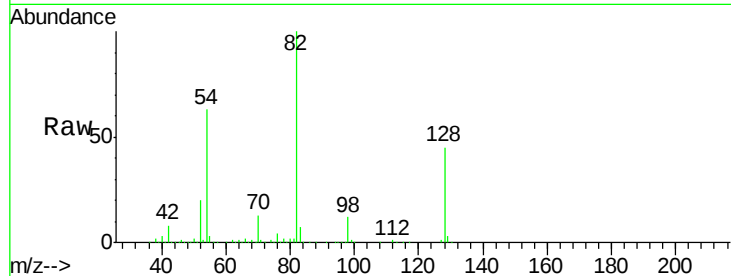
Tot Ion: 82 Resp: 526189

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

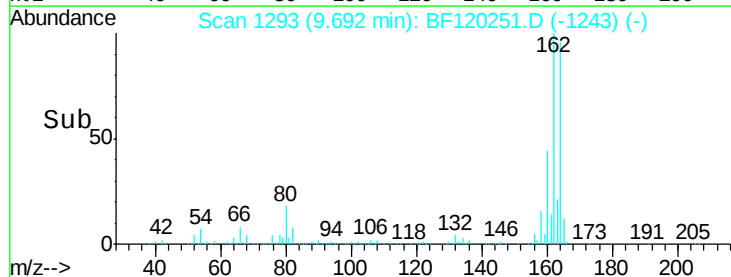
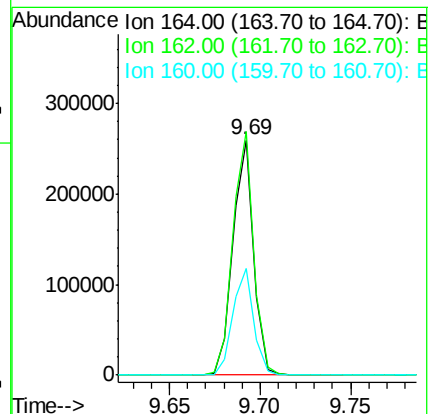
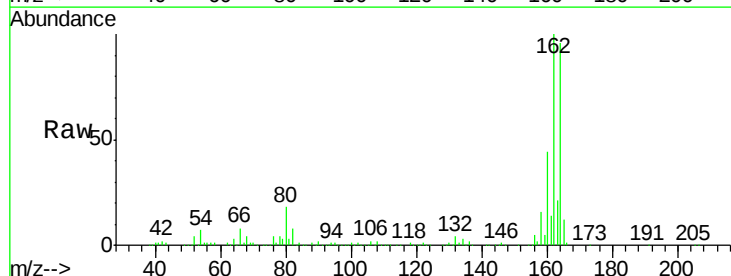
Tgt Ion:164 Resp: 205884

Ion Ratio Lower Upper

164 100

162 103.7 80.6 121.0

160 45.3 35.7 53.5

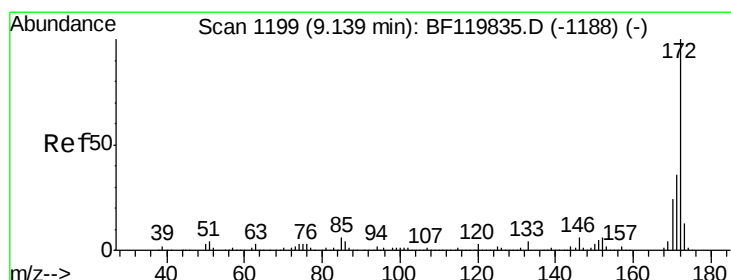
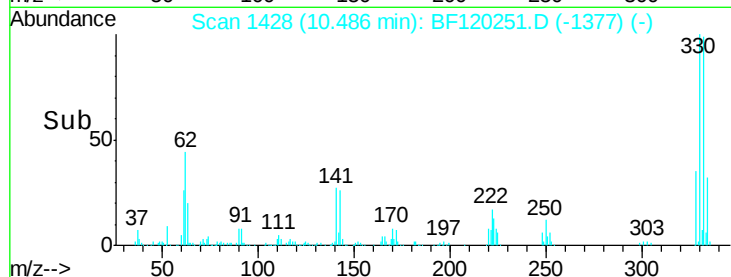
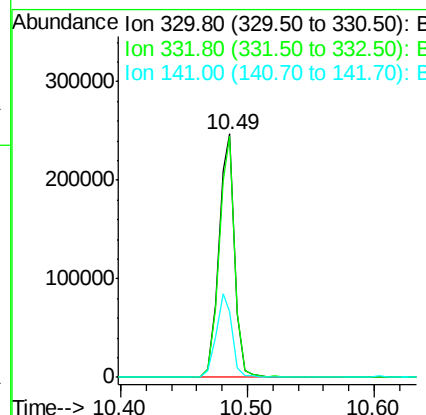
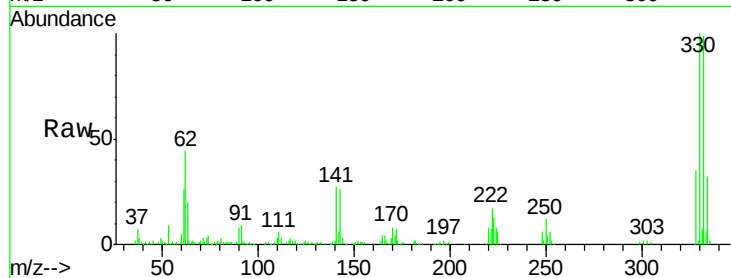




#42
 2,4,6-Tribromophenol
 Concen: 86.971 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

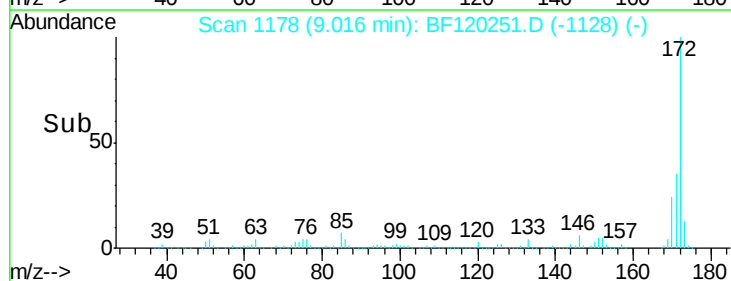
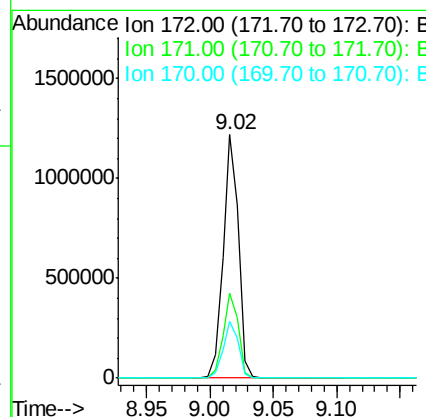
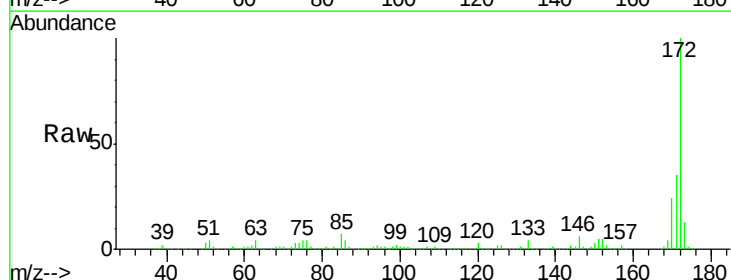
Instrument :
 BNA_F
 ClientSampleId :

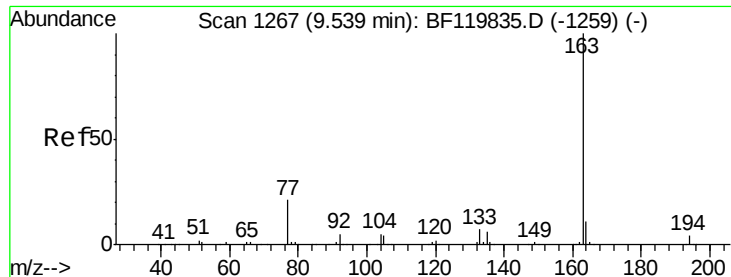
Tot Ion:330 Resp: 219229
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.7 113.5
 141 34.8 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 70.982 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Tgt Ion:172 Resp: 1029321
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 23.5 20.2 30.2

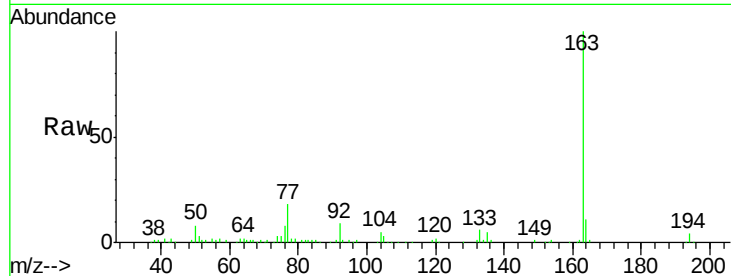




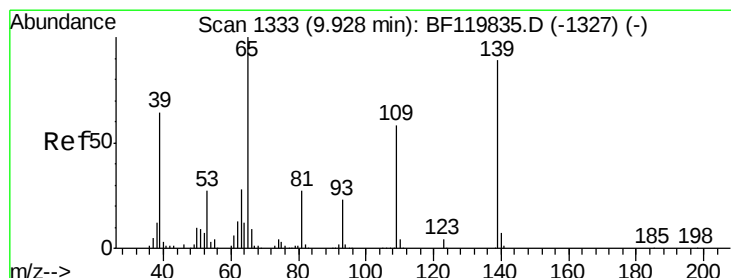
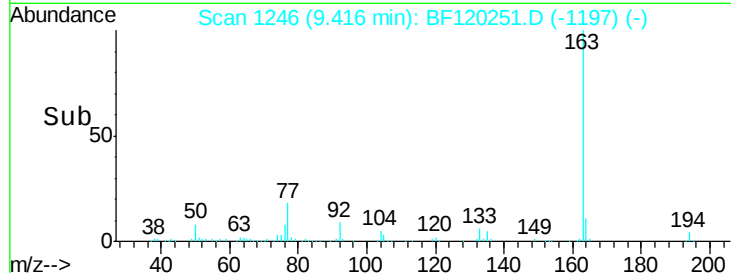
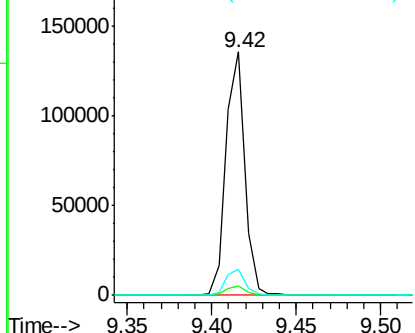
#50
Dimethylphthalate
Concen: 6.625 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 105501
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.8 8.2 12.2

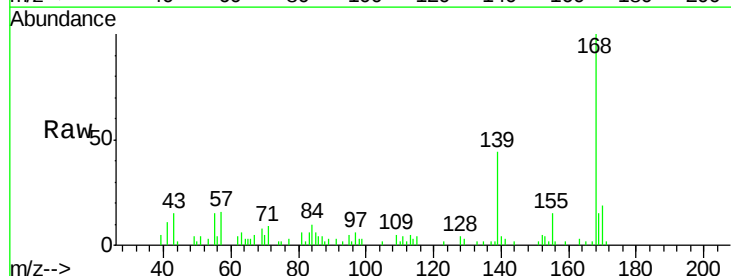


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

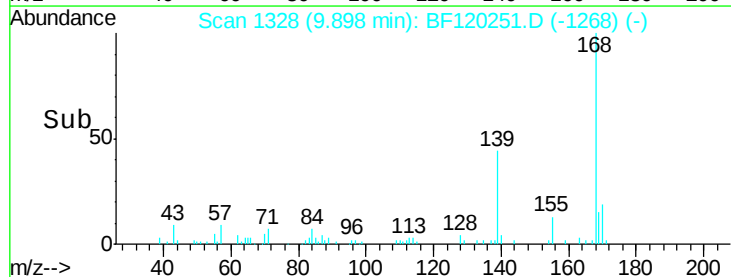
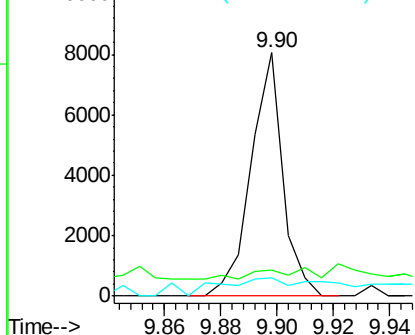


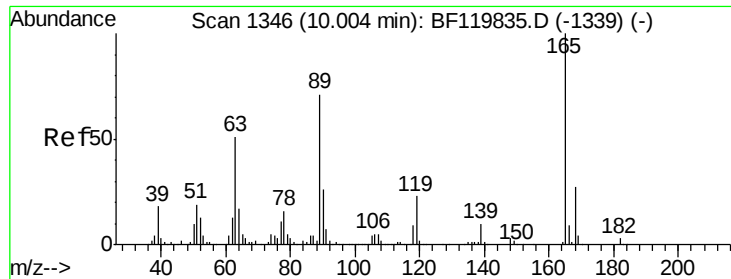
#56
4-Nitrophenol
Concen: 2.119 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.05 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt Ion:139 Resp: 6278
Ion Ratio Lower Upper
139 100
109 10.9 43.3 83.3#
65 7.4 91.0 131.0#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

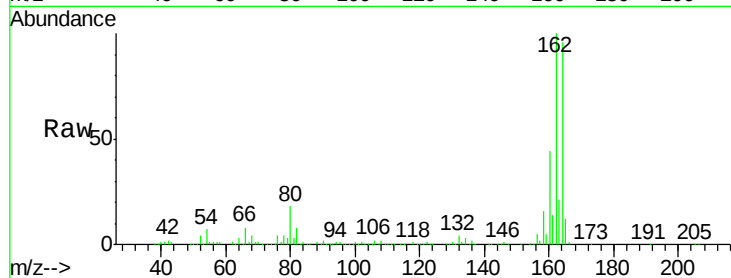




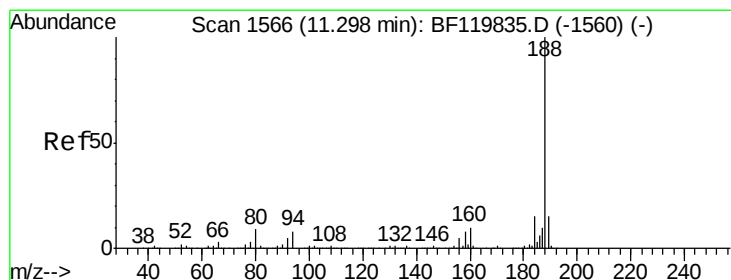
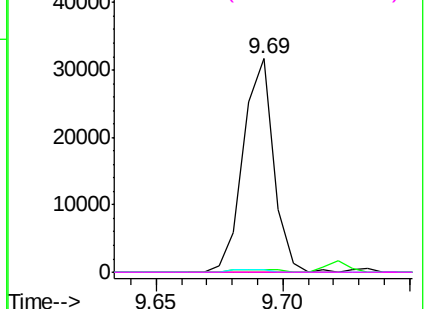
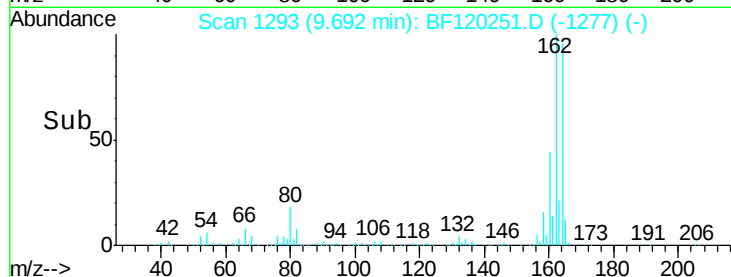
#57
 2,4-Dinitrotoluene
 Concen: 5.751 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26421
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.6 64.0#
 89 1.2 61.0 91.4#
 182 0.0 2.2 3.2#

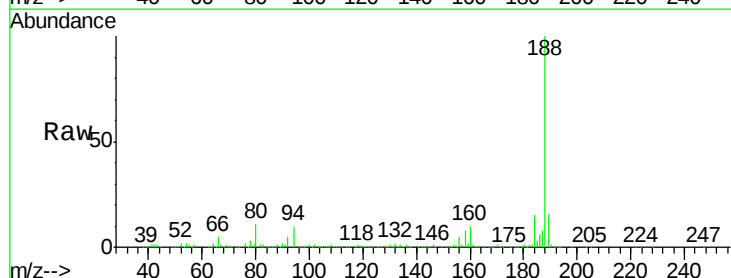


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

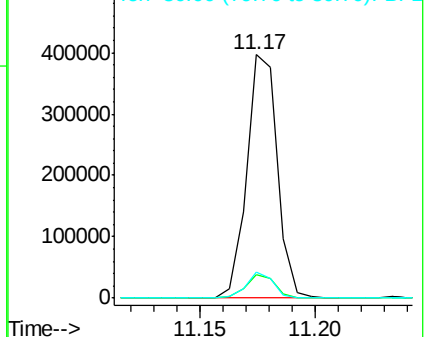
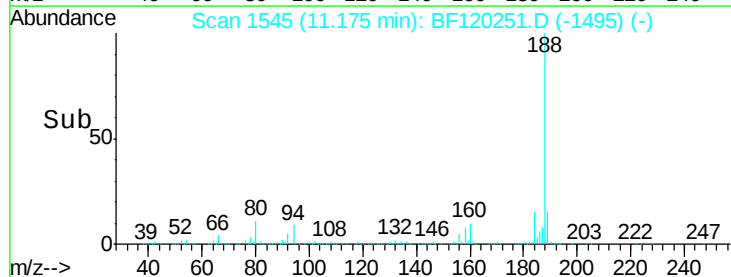


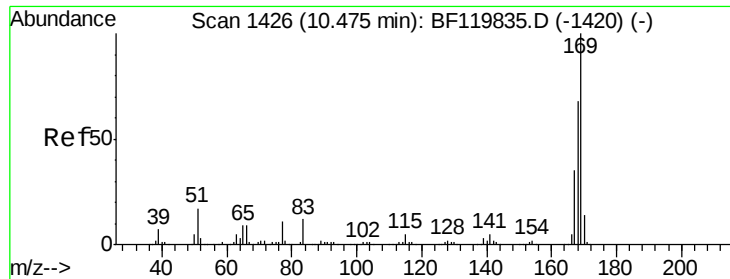
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Tgt Ion:188 Resp: 366646
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.5 11.3
 80 10.7 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

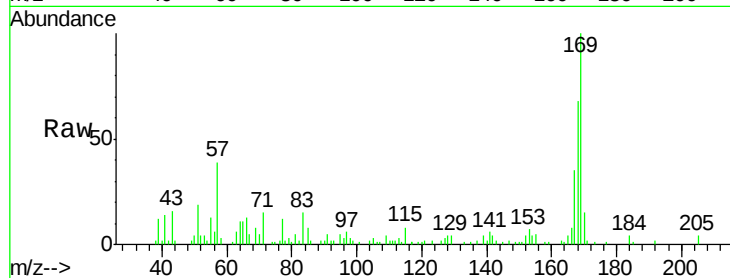




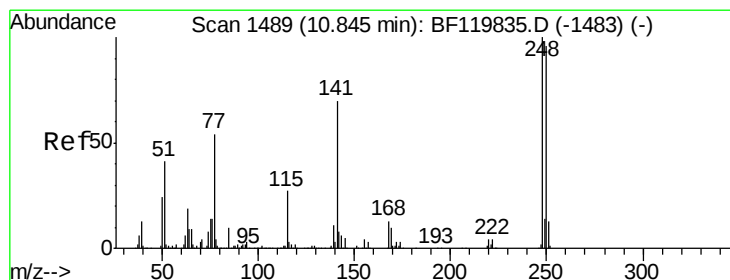
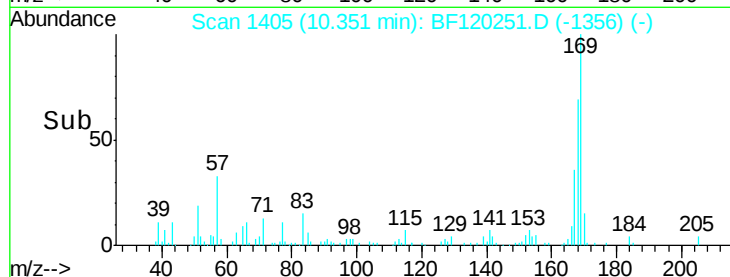
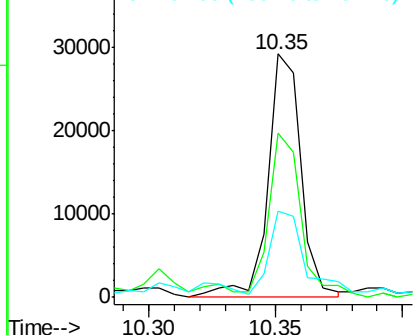
#66
 n-Nitrosodiphenylamine
 Concen: 2.203 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 26868
 Ion Ratio Lower Upper
 169 100
 168 67.7 53.2 79.8
 167 35.4 29.1 43.7

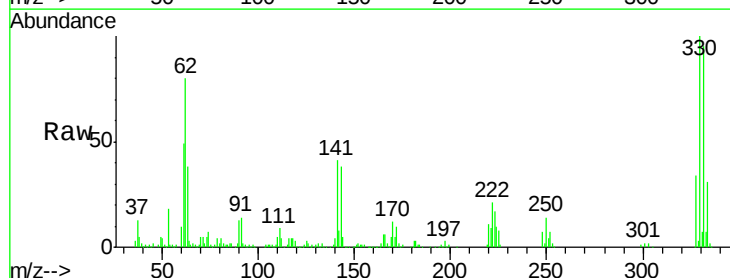


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

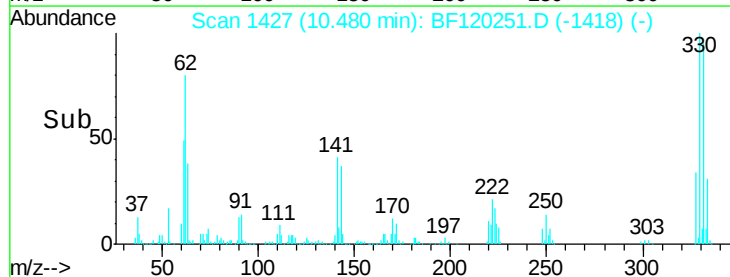
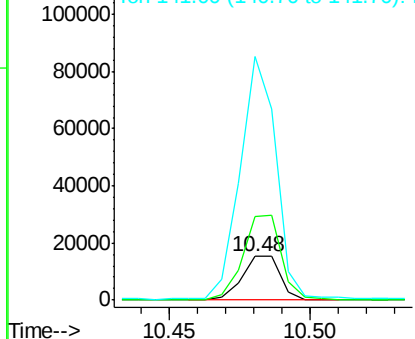


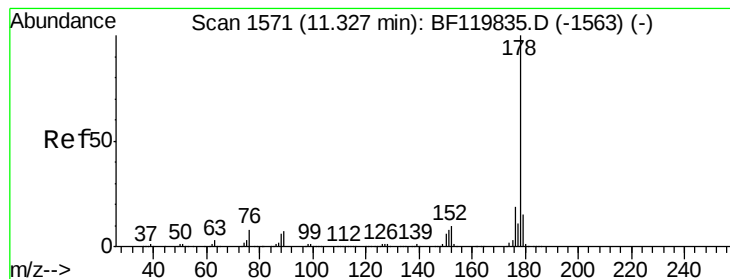
#67
 4-Bromophenyl-phenylether
 Concen: 3.141 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120251.D
 Acq: 30 Apr 2020 20:40

Tgt Ion:248 Resp: 14321
 Ion Ratio Lower Upper
 248 100
 250 193.1 77.3 115.9#
 141 560.4 58.6 87.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 11.792 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

Instrument :

BNA_F

ClientSampleId :

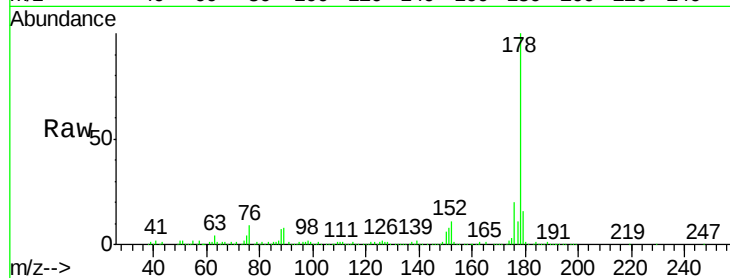
Tot Ion:178 Resp: 230092

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

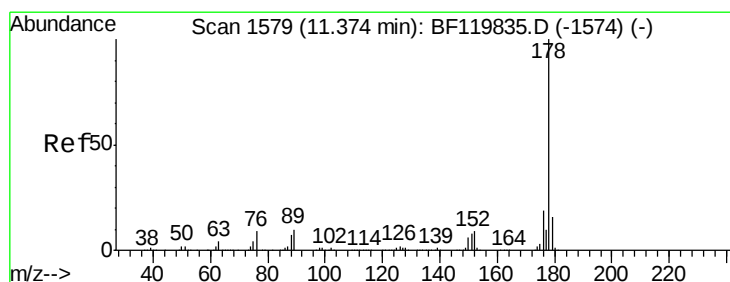
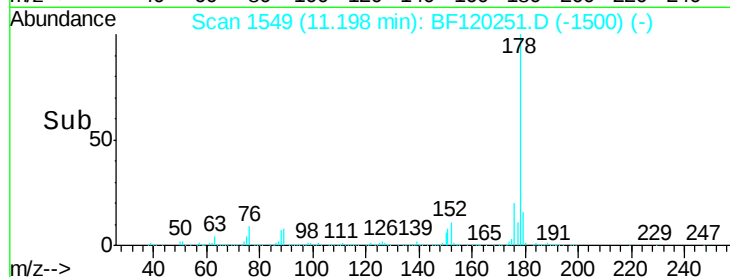
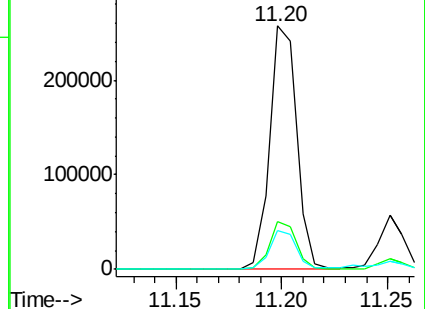
179 15.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.282 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

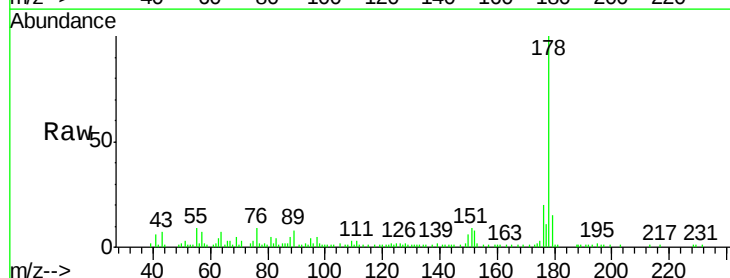
Tgt Ion:178 Resp: 45483

Ion Ratio Lower Upper

178 100

176 19.7 16.1 24.1

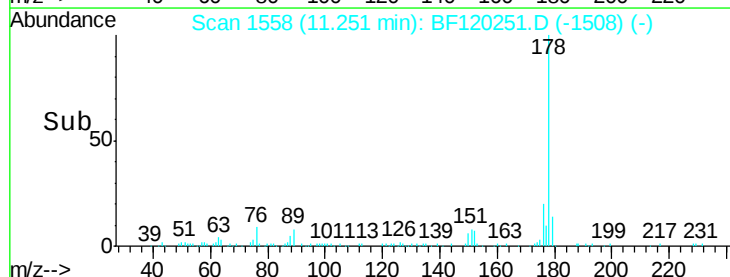
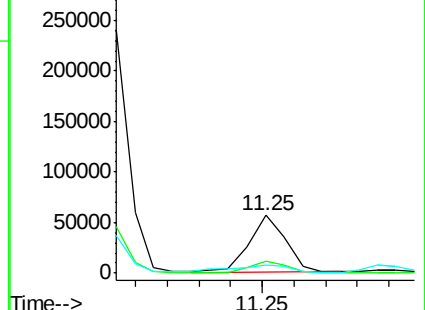
179 14.6 13.0 19.4

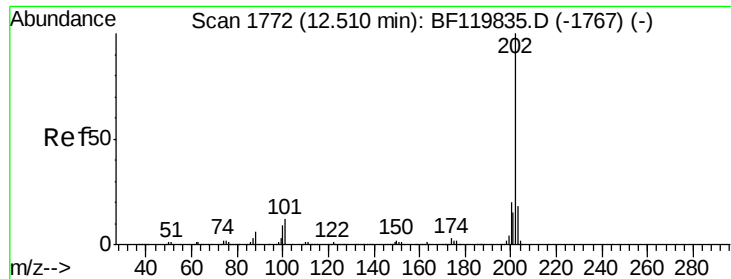


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.910 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF120251.D

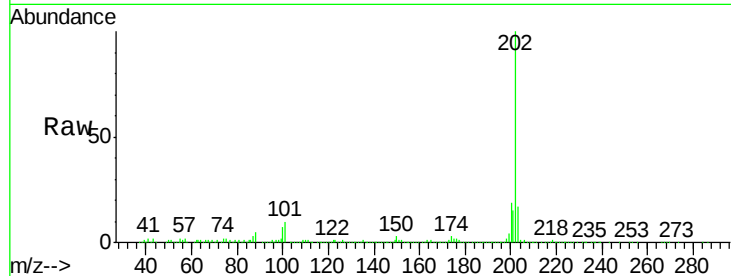
Acq: 30 Apr 2020 20:40

Instrument :

BNA_F

ClientSampleId :

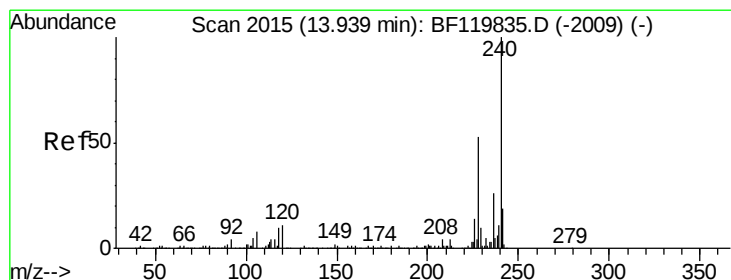
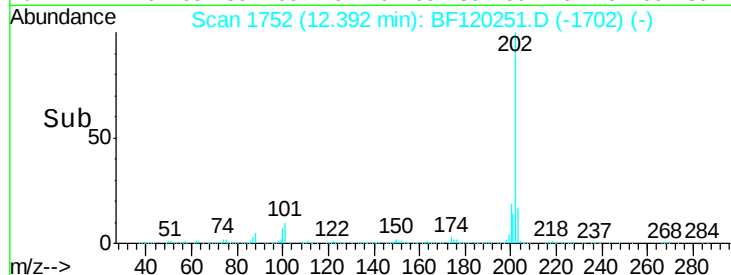
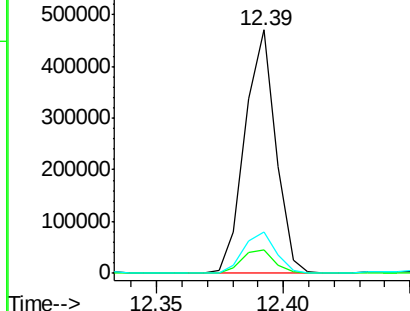
Tot Ion:	202	Resp:	398151
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	32.2
203	17.3	0.0	38.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

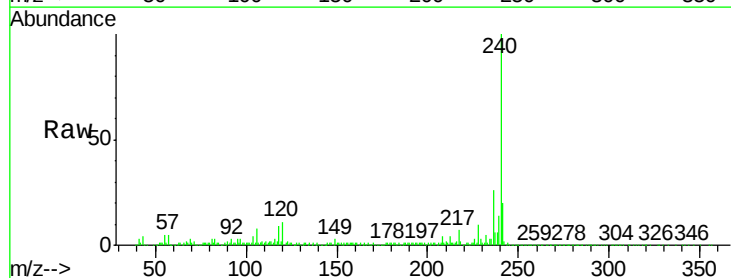
RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

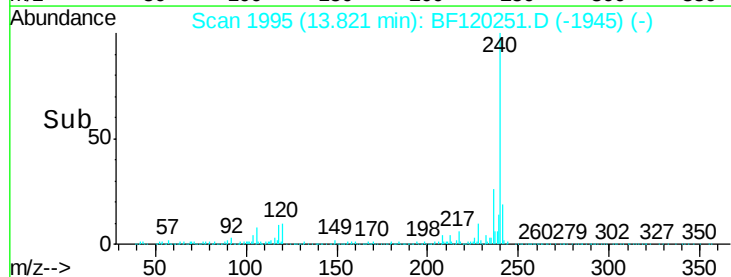
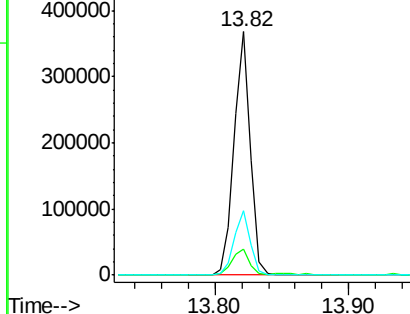
Tgt Ion:	240	Resp:	314135
Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.6	15.8#
236	26.2	20.2	30.2

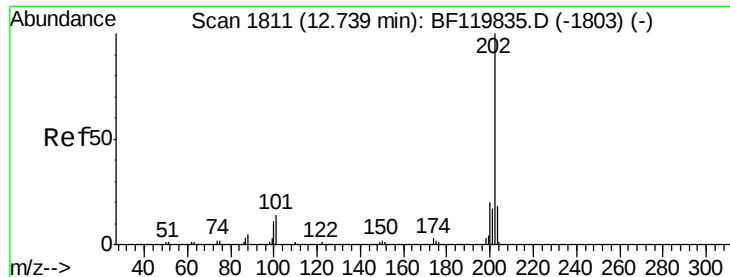


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

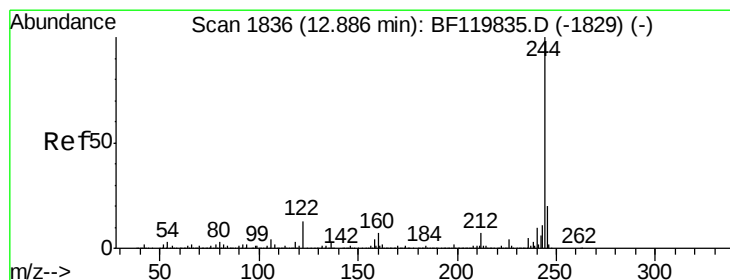
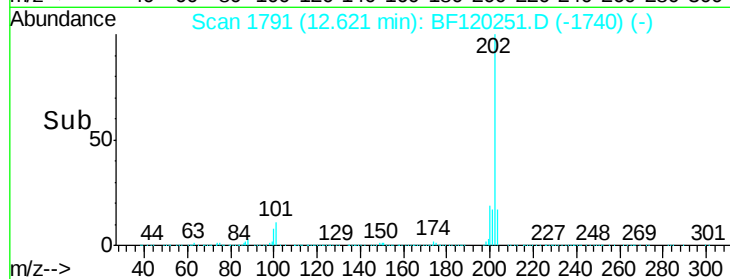
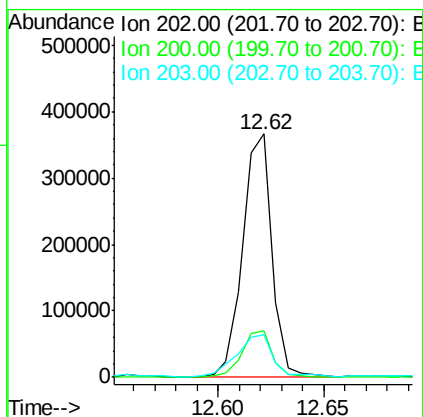
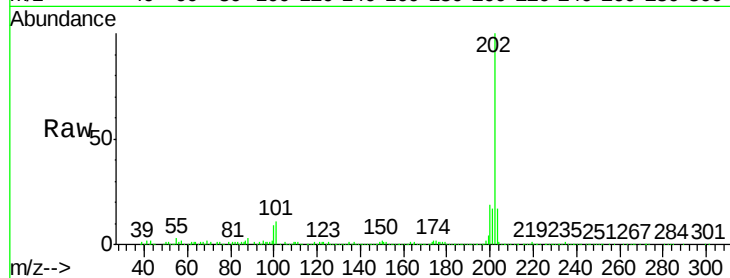




#78
Pvrene
Concen: 13.171 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

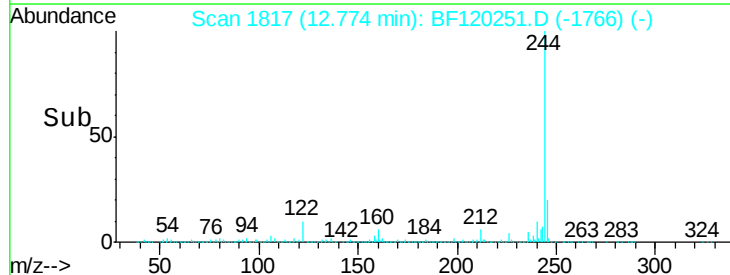
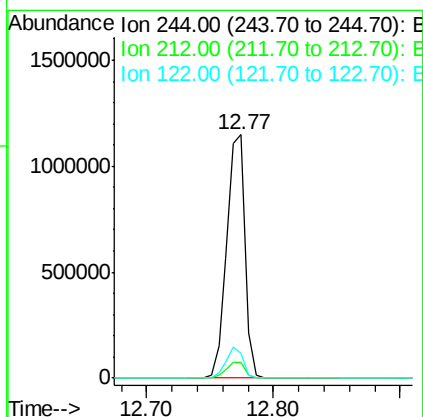
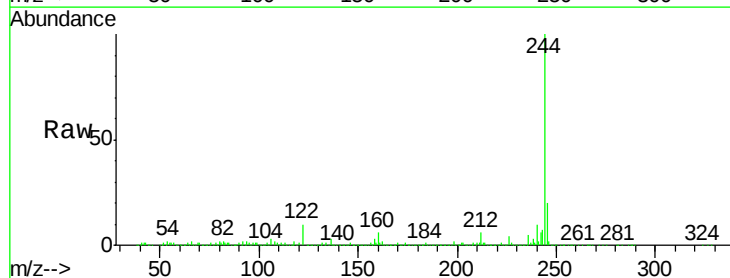
Instrument :
BNA_F
ClientSampleId :

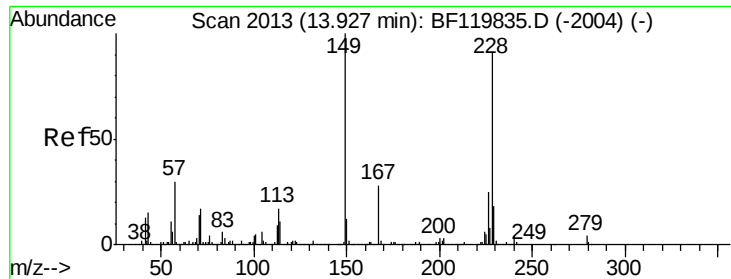
Tot Ion:202 Resp: 348794
Ion Ratio Lower Upper
202 100
200 19.2 16.8 25.2
203 17.5 15.1 22.7



#79
Terphenyl-d14
Concen: 61.031 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt Ion:244 Resp: 1139380
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.8
122 9.9 10.3 15.5#

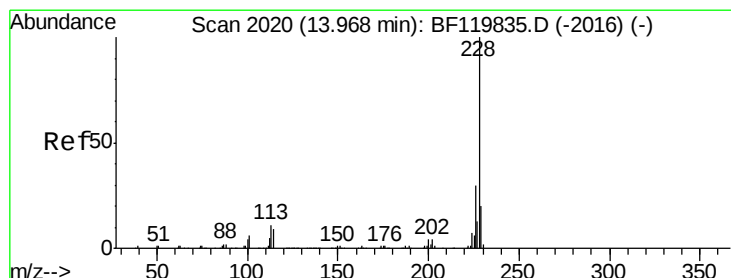
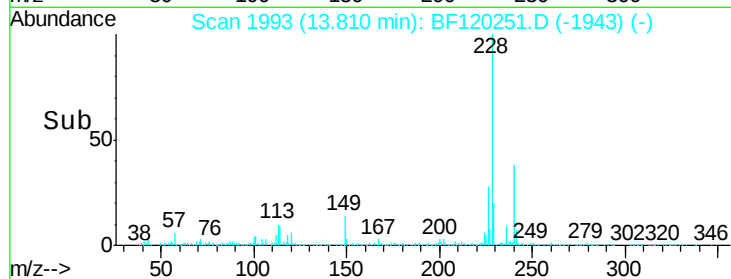
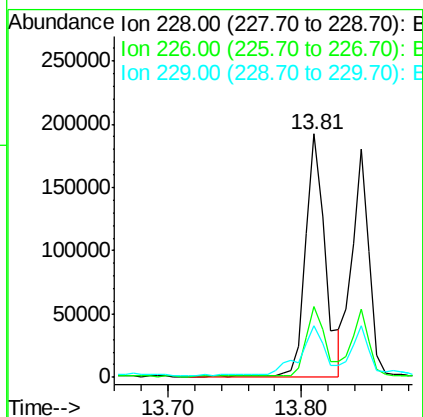
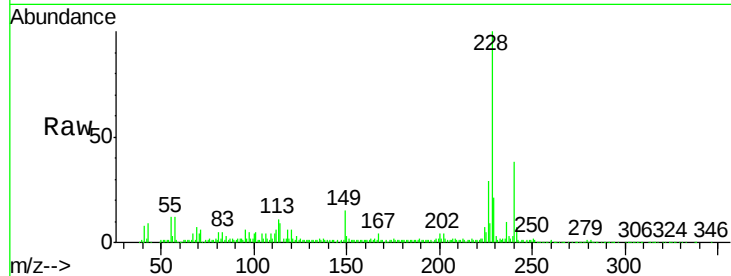




#81
Benzo(a)anthracene
Concen: 9.259 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

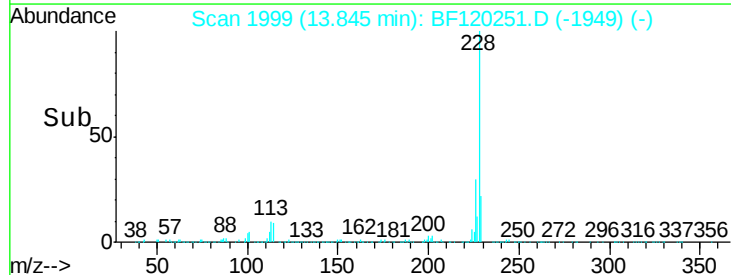
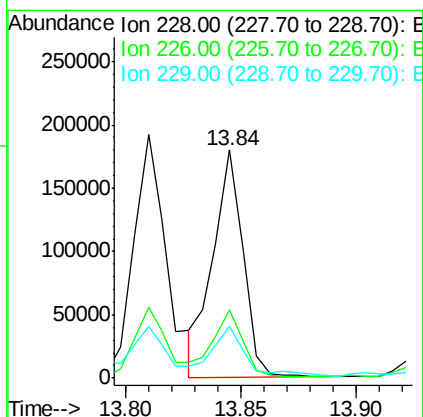
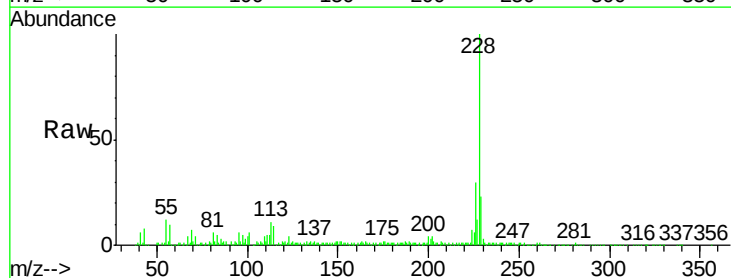
Instrument :
BNA_F
ClientSampleId :

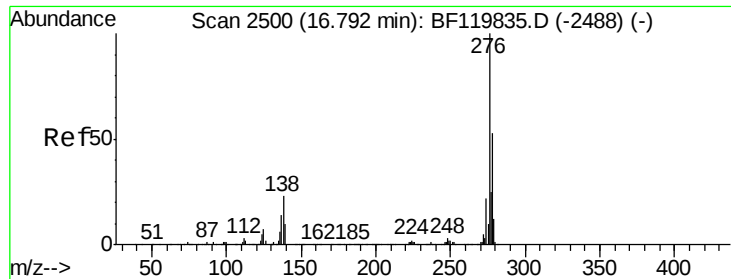
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	21.4	16.2	24.4



#83
Chrysene
Concen: 7.708 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.7	16.6	24.8

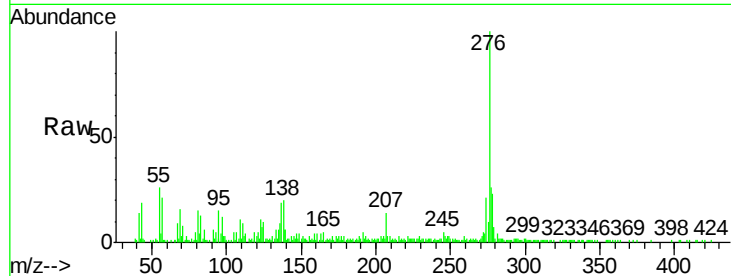




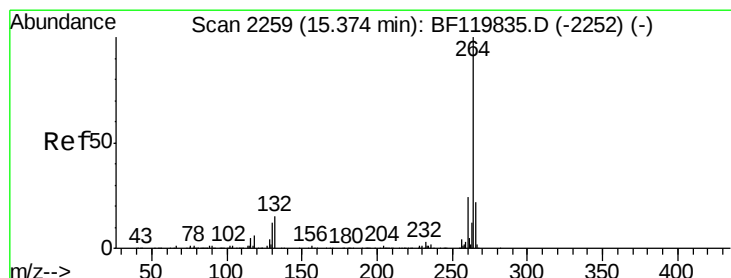
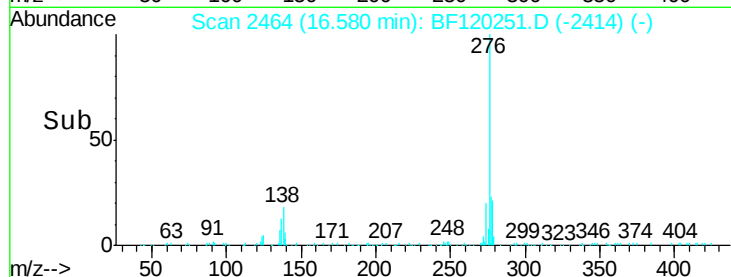
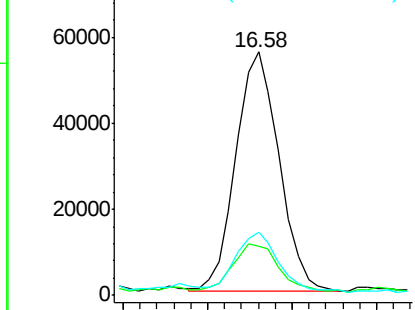
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.335 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 98742
Ion Ratio Lower Upper
276 100
138 20.5 19.6 29.4
277 24.7 20.0 30.0

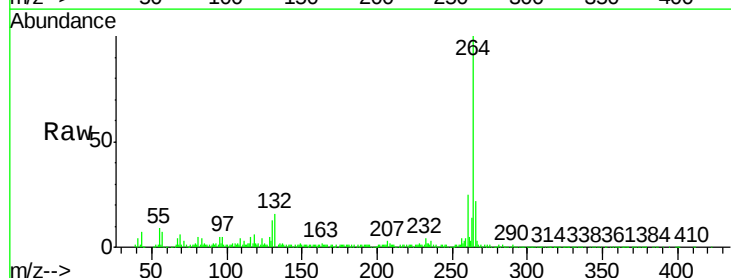


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

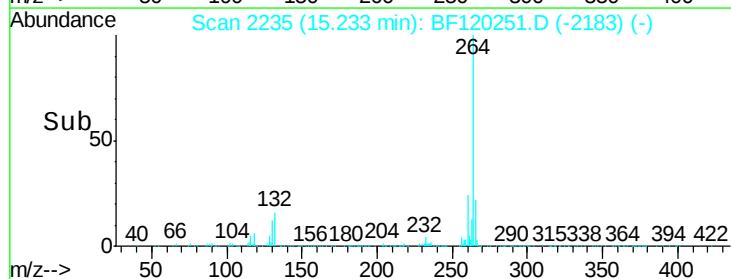
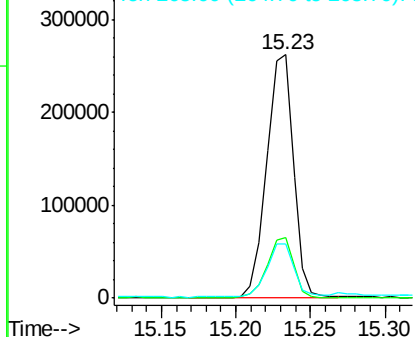


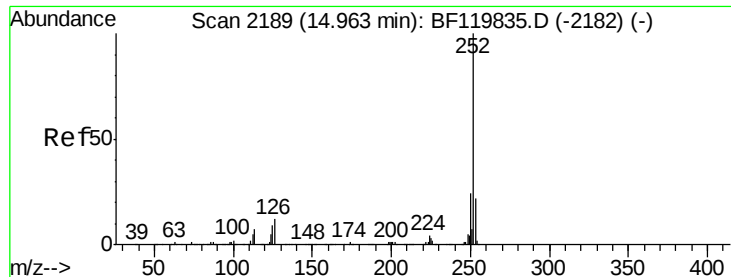
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt Ion:264 Resp: 324439
Ion Ratio Lower Upper
264 100
260 24.7 18.7 28.1
265 22.2 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 12.457 ng

RT: 14.83 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

Instrument :

BNA_F

ClientSampleId :

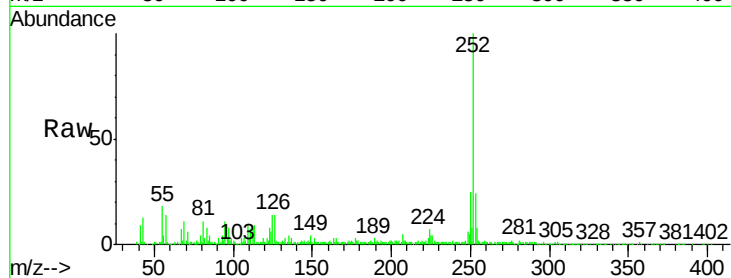
Tot Ion:252 Resp: 290750

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

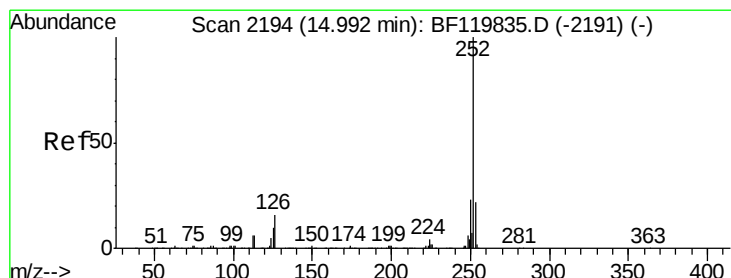
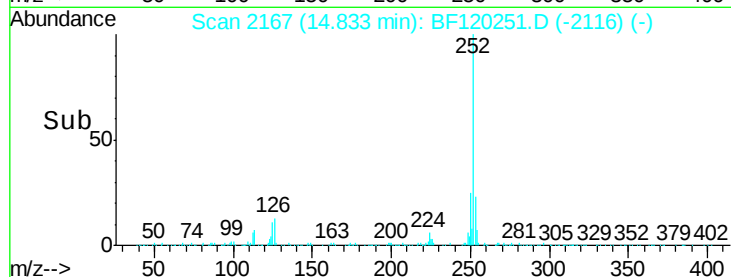
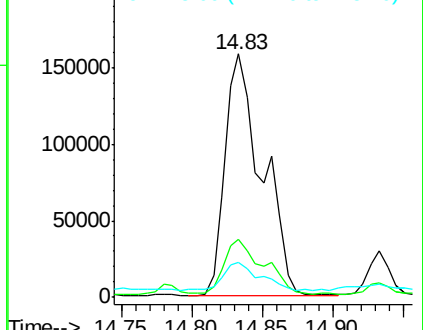
125 14.4 7.9 11.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 14.438 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BF120251.D

Acq: 30 Apr 2020 20:40

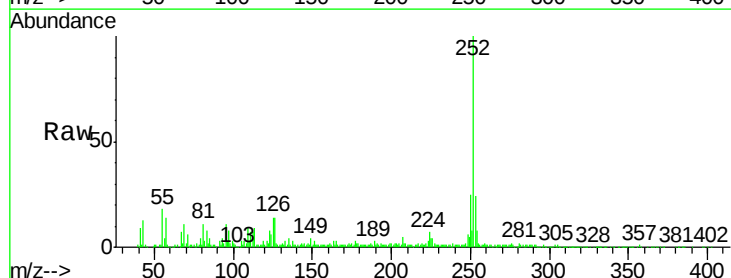
Tgt Ion:252 Resp: 290750

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

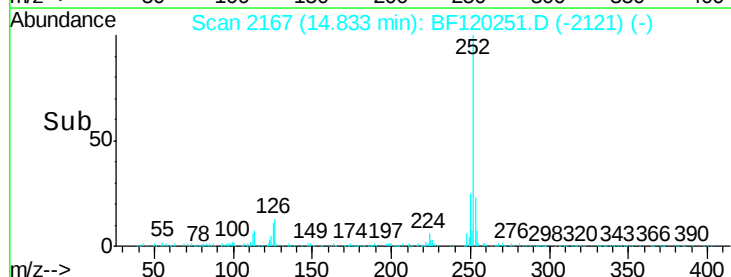
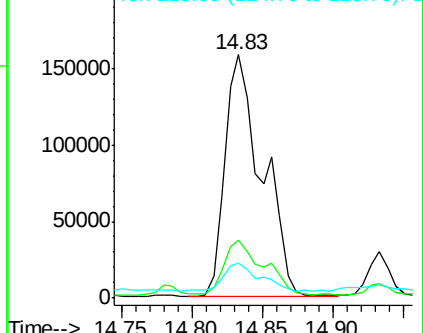
125 14.4 8.4 12.6#

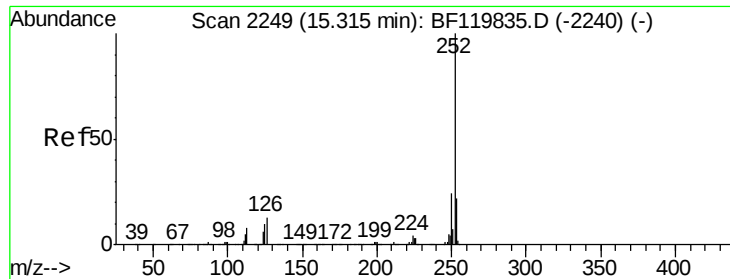


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

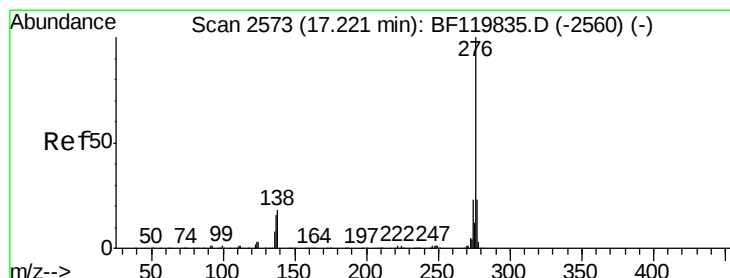
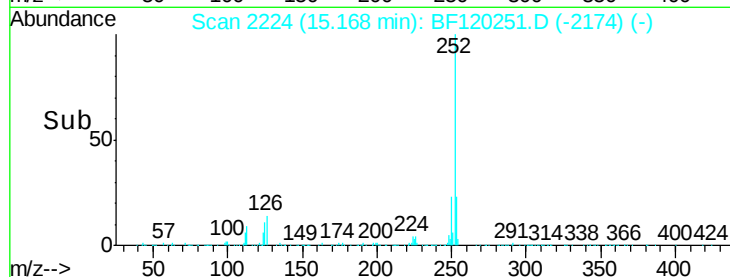
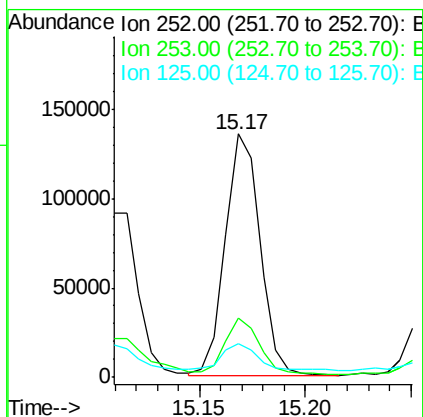
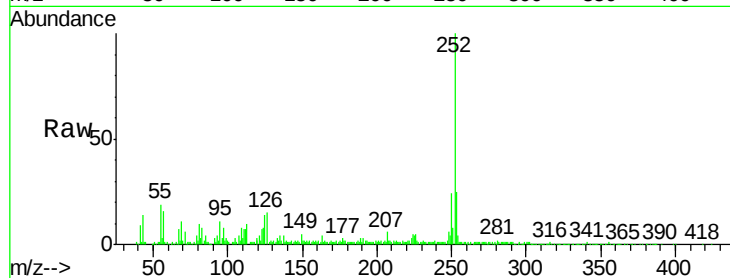




#90
Benzo(a)pyrene
Concen: 7.840 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	13.9	9.4	14.2



#92
Benzo(g,h,i)perylene
Concen: 5.064 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF120251.D
Acq: 30 Apr 2020 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.4	27.6
138	21.0	15.4	23.0

