

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120328.D
 Acq On : 15 May 2020 18:19
 Operator : MA/SJ
 Sample : L2644-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 00:14:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	295309	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1207108	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	599846	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1285166	20.00	ng	0.00
76) Chrysene-d12	13.77	240	873213	20.00	ng	0.00
87) Perylene-d12	15.16	264	673340	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1659022	109.31	ng	0.00
7) Phenol-d6	6.27	99	2285955	119.10	ng	0.00
23) Nitrobenzene-d5	7.18	82	1424003	80.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	619636	126.69	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2722434	93.24	ng	0.00
79) Terphenyl-d14	12.72	244	3204637	81.08	ng	0.00

Target Compounds

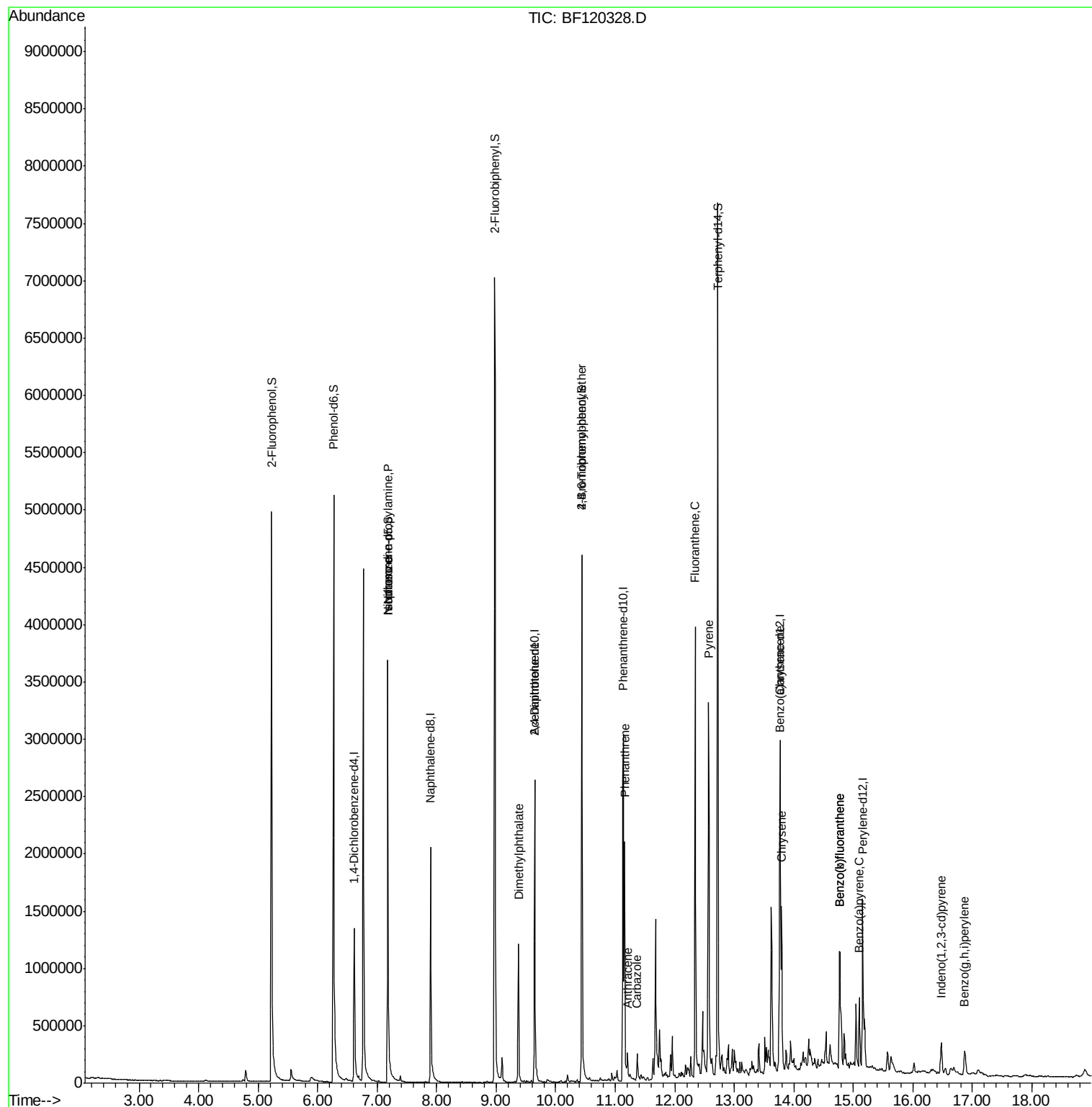
						Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	183189	14.569	ng	# 80
25) Isophorone	7.18	82	1407545	38.370	ng	# 65
50) Dimethylphthalate	9.37	163	564811	14.895	ng	99
57) 2,4-Dinitrotoluene	9.65	165	76954	7.751	ng	# 16
67) 4-Bromophenyl-phenylether	10.44	248	37875	3.037	ng	# 1
71) Phenanthrene	11.16	178	856937	15.868	ng	98
72) Anthracene	11.21	178	125106	2.164	ng	99
73) Carbazole	11.37	167	111823	2.070	ng	99
75) Fluoranthene	12.35	202	1793101	30.979	ng	97
78) Pyrene	12.57	202	1458285	23.426	ng	99
81) Benzo(a)anthracene	13.76	228	513373	11.147	ng	99
83) Chrysene	13.79	228	579527	11.718	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	176139	3.924	ng	93
88) Benzo(b)fluoranthene	14.77	252	742327	20.187	ng	100
89) Benzo(k)fluoranthene	14.77	252	742327	23.300	ng	99
90) Benzo(a)pyrene	15.10	252	304199	9.224	ng	98
92) Benzo(a,h,i)perylene	16.87	276	173212	5.879	ng	99

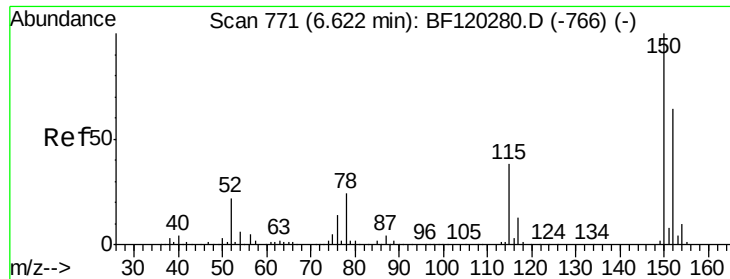
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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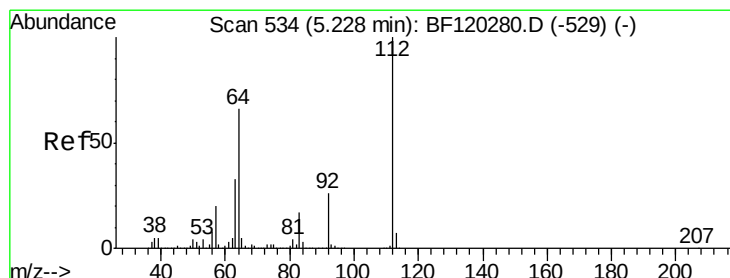
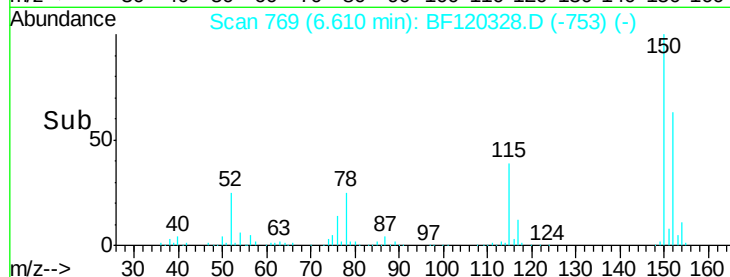
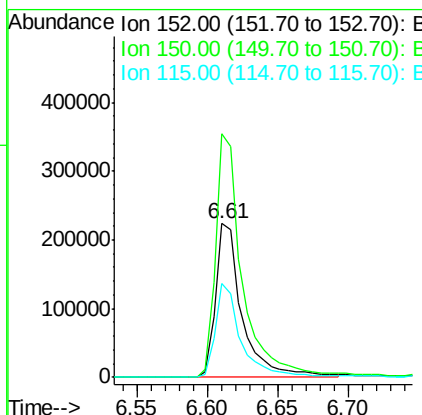
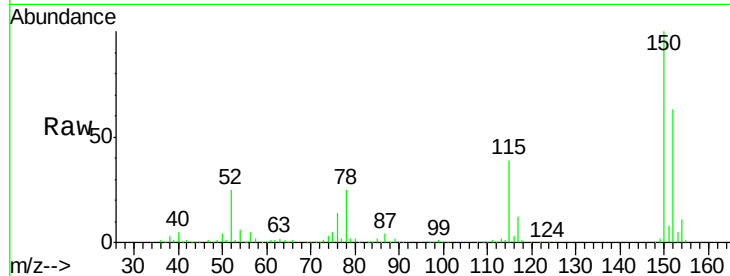


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Instrument :
BNA_F
ClientSampled :

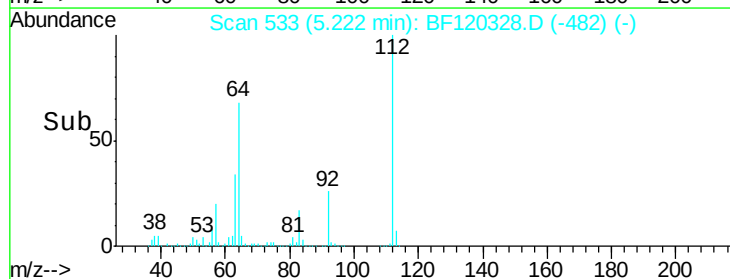
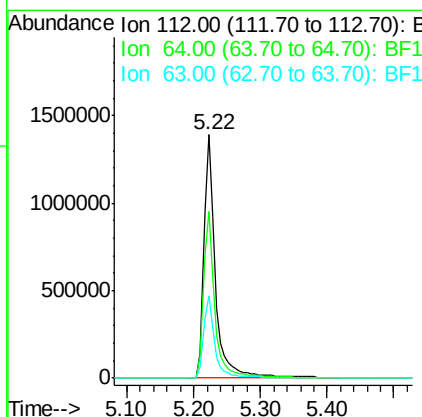
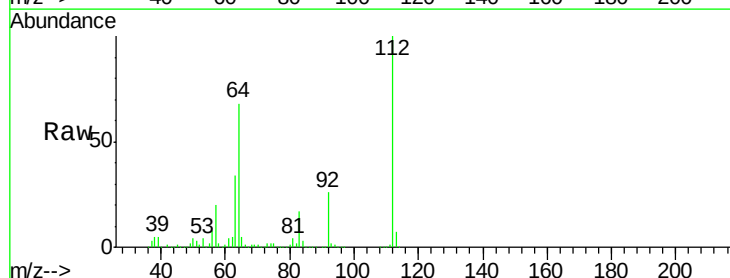
Tot Ion:152 Resp: 295309
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 61.5 47.9 71.9

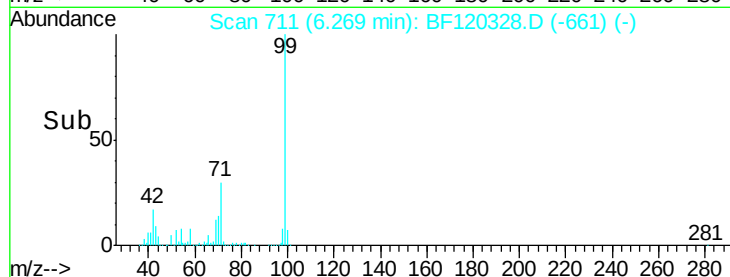
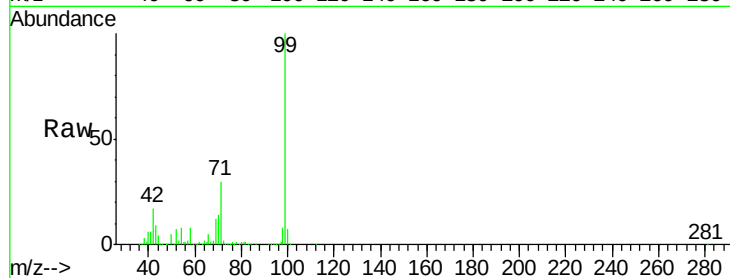
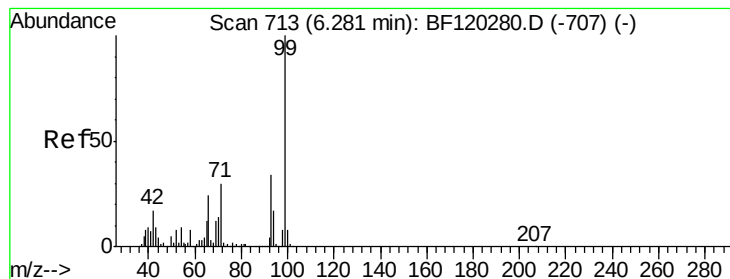


#5

2-Fluorophenol
Concen: 109.308 ng
RT: 5.22 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion:112 Resp: 1659022
Ion Ratio Lower Upper
112 100
64 68.4 52.7 79.1
63 33.7 26.2 39.4





#7

Phenol-d6

Concen: 119.102 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampled :

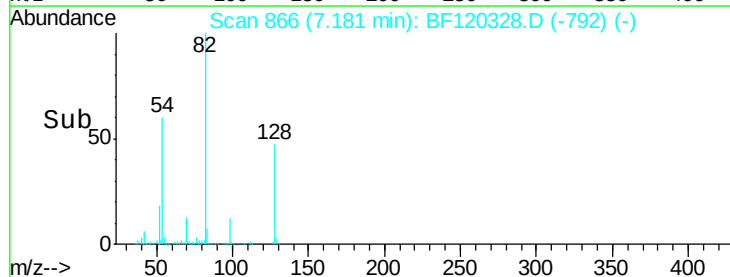
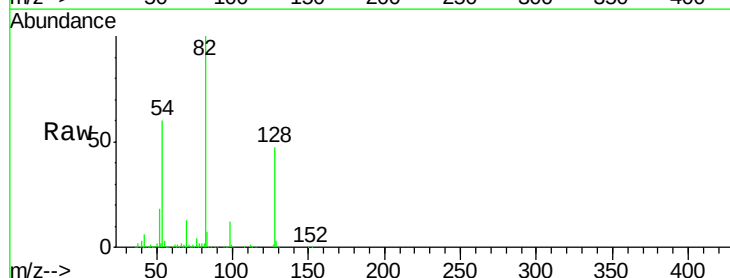
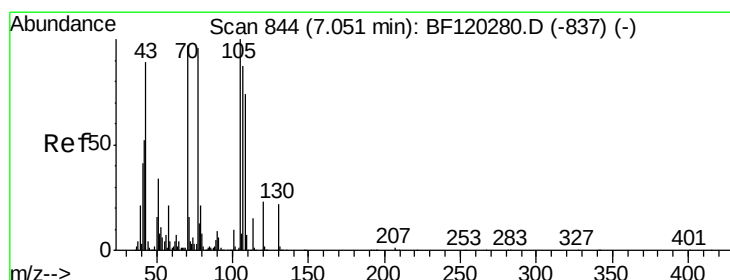
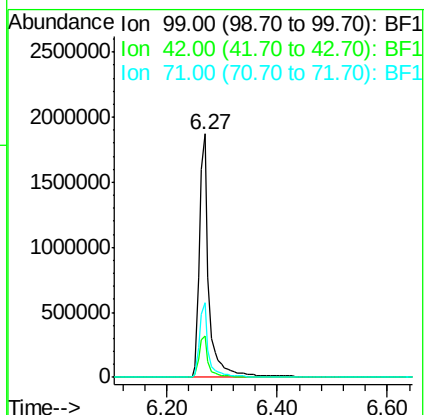
Tot Ion: 99 Resp: 2285955

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

71 30.4 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.569 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.14 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Tgt Ion: 70 Resp: 183189

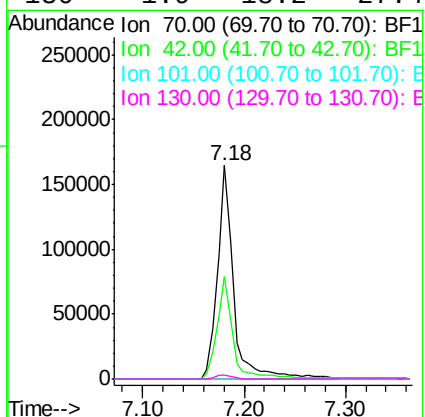
Ion Ratio Lower Upper

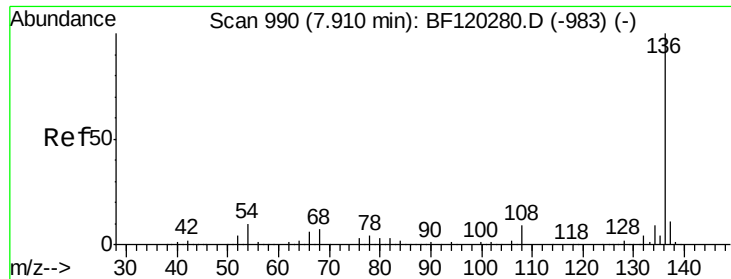
70 100

42 47.7 43.4 65.0

101 0.0 7.8 11.8#

130 1.9 18.2 27.4#

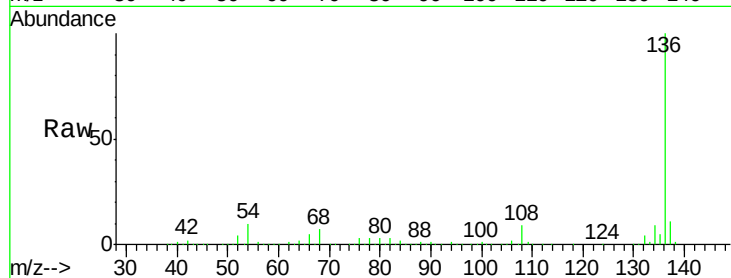




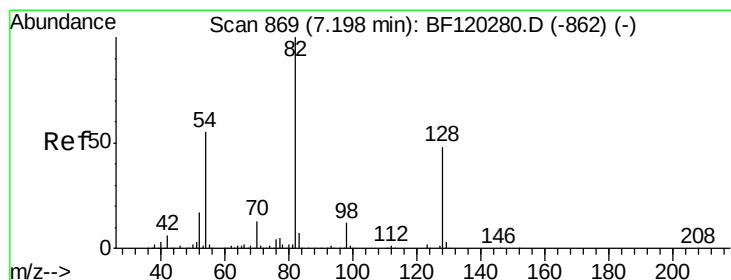
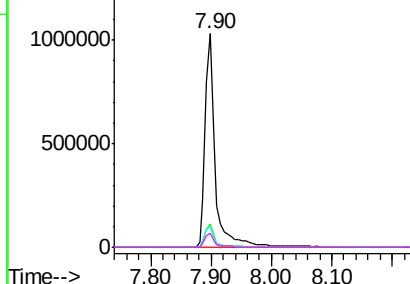
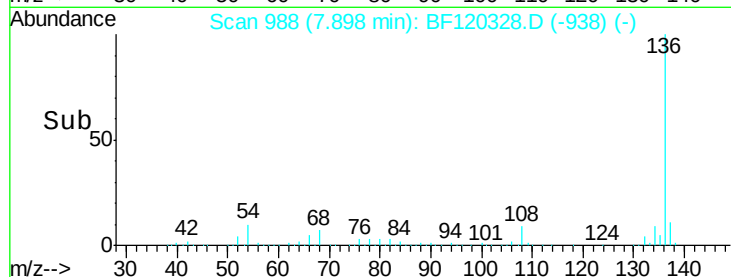
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1207108
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 9.9 7.9 11.9
68 6.5 5.4 8.2

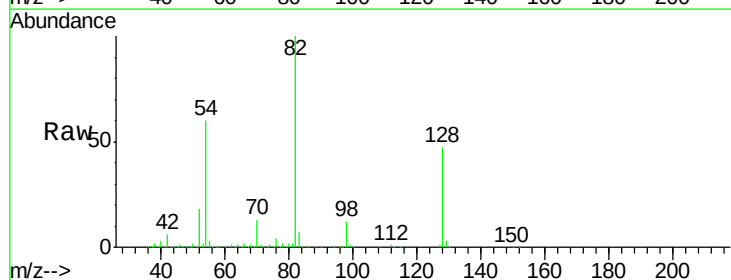


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

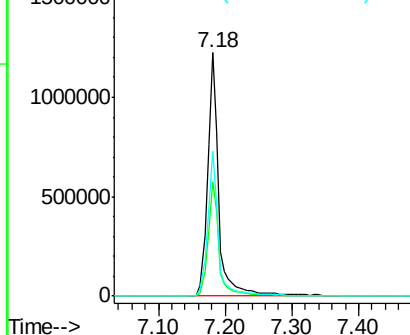
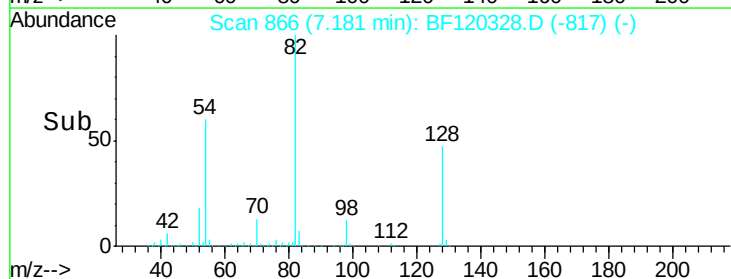


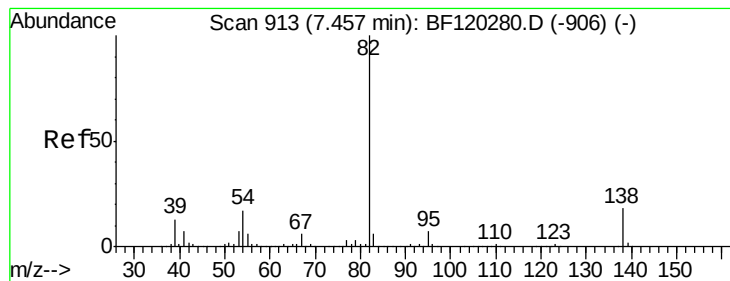
#23
Nitrobenzene-d5
Concen: 80.769 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion: 82 Resp: 1424003
Ion Ratio Lower Upper
82 100
128 47.1 38.3 57.5
54 59.7 43.9 65.9



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: 38.370 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.27 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

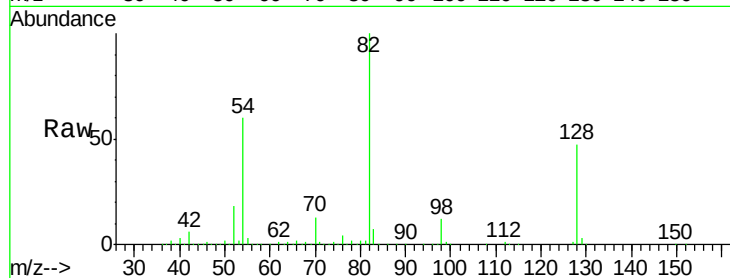
Tot Ion: 82 Resp: 1407545

Ion Ratio Lower Upper

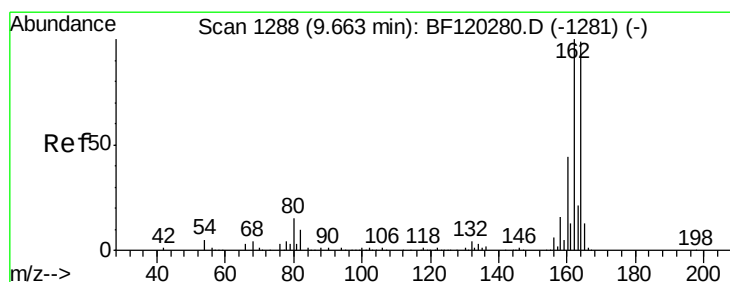
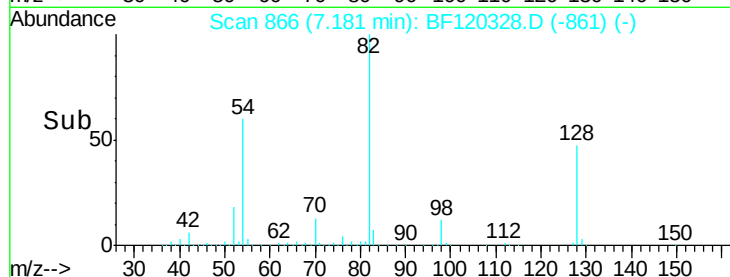
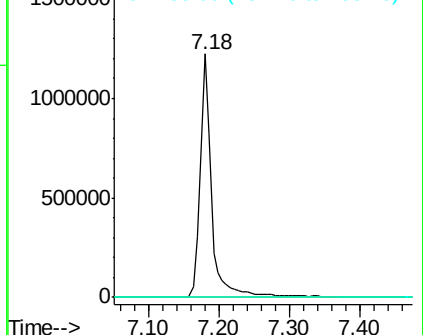
82 100

95 0.0 5.4 8.0#

138 0.0 14.7 22.1#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

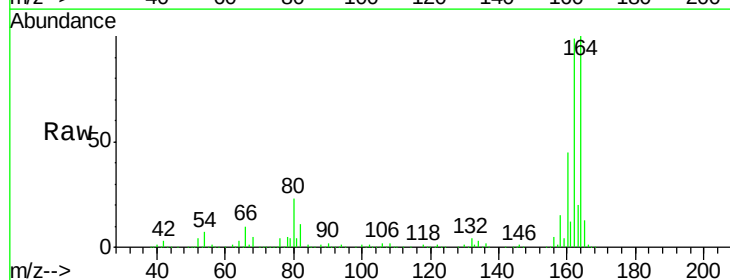
Tgt Ion:164 Resp: 599846

Ion Ratio Lower Upper

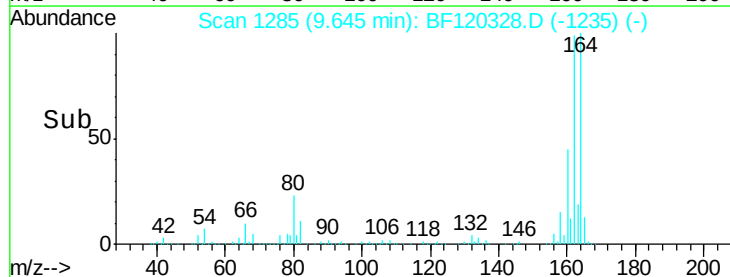
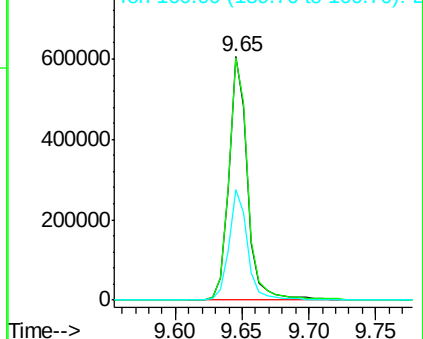
164 100

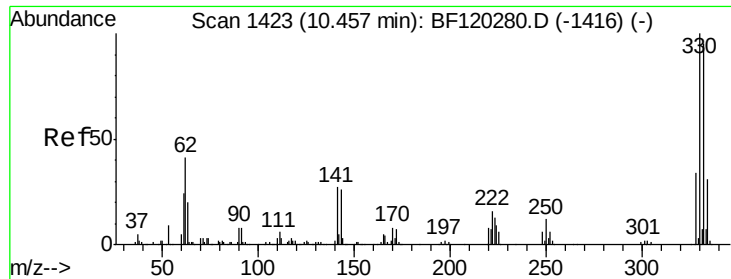
162 99.3 81.2 121.8

160 45.2 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

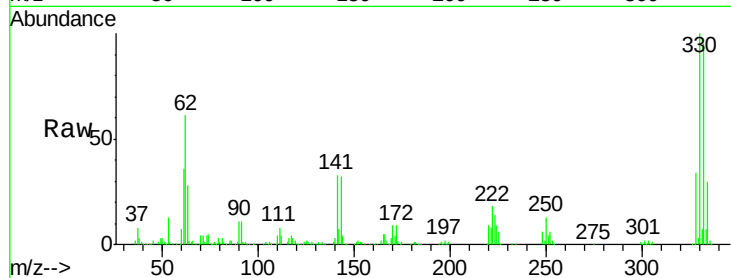




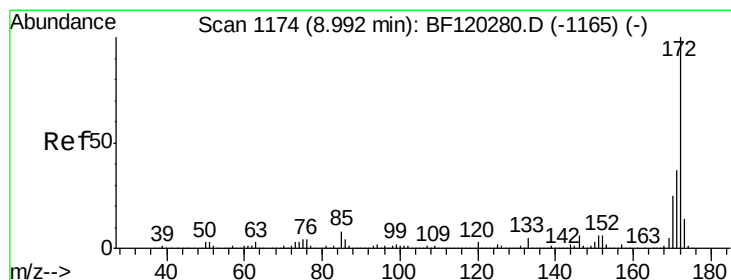
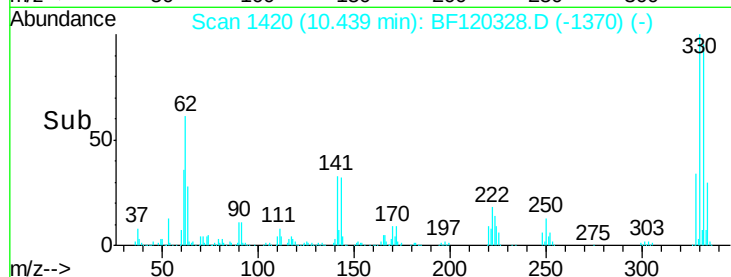
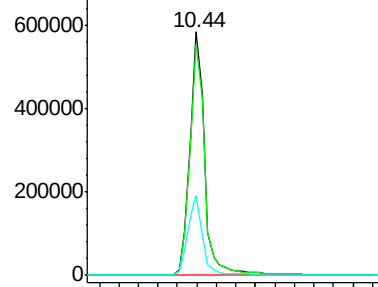
#42
 2,4,6-Tribromophenol
 Concen: 126.694 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.5	114.7
141	32.7	25.4	38.0

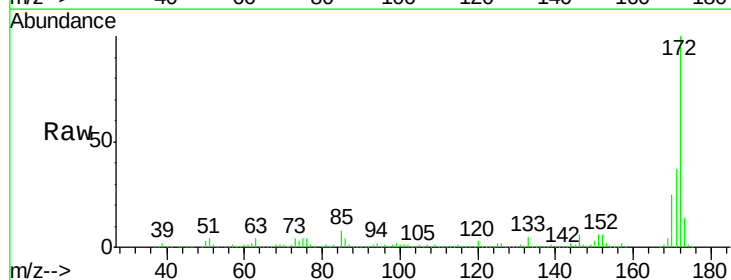


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

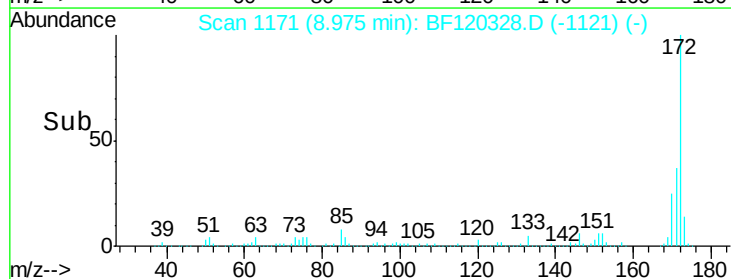
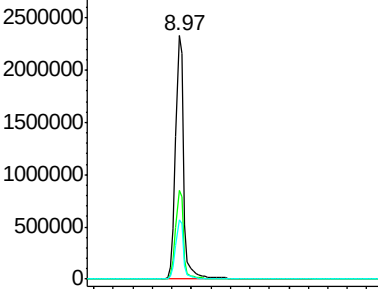


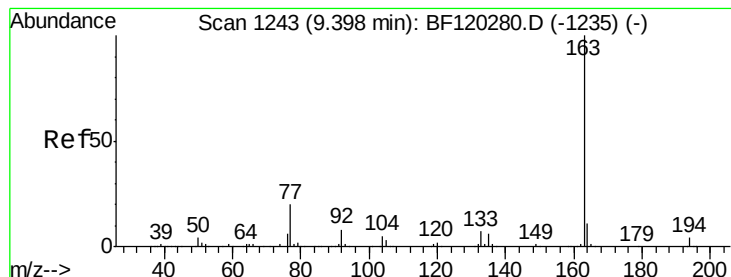
#45
 2-Fluorobiphenyl
 Concen: 93.243 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.895 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

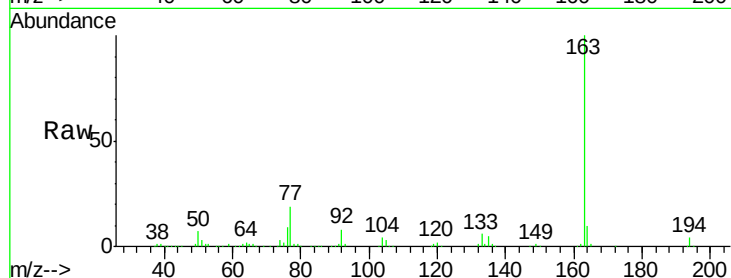
Tot Ion:163 Resp: 564811

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

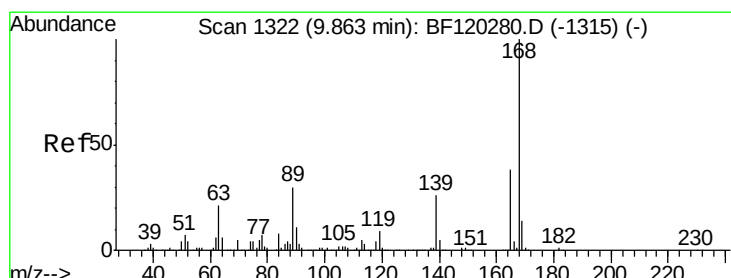
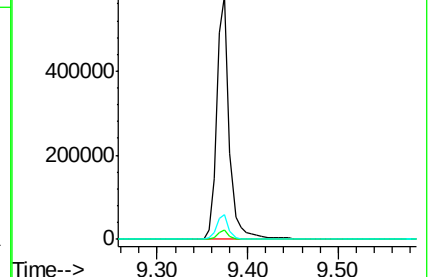
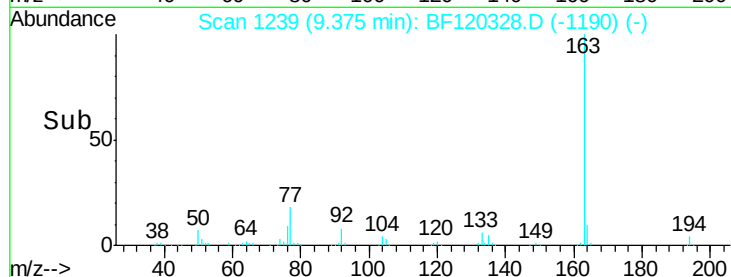
164 10.1 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 7.751 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.21 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Tgt Ion:165 Resp: 76954

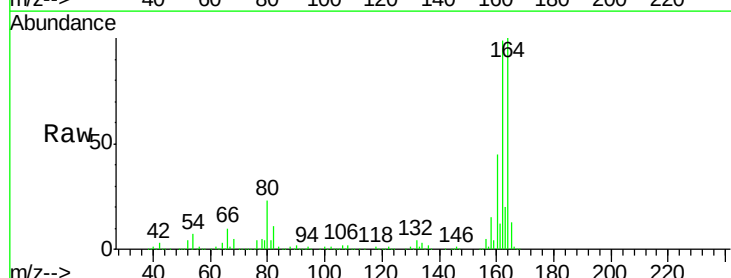
Ion Ratio Lower Upper

165 100

63 1.3 51.8 77.8#

89 1.0 64.2 96.4#

182 0.0 2.0 3.0#

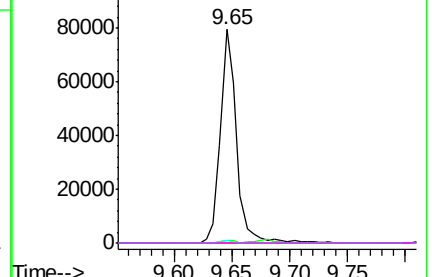
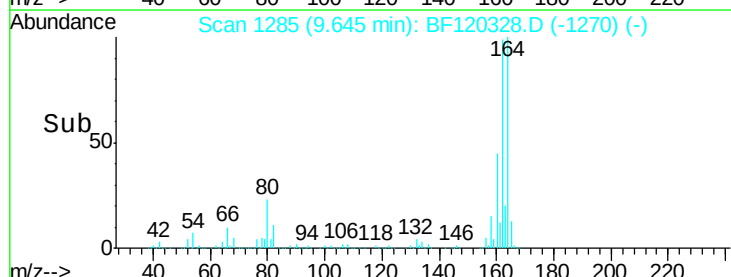


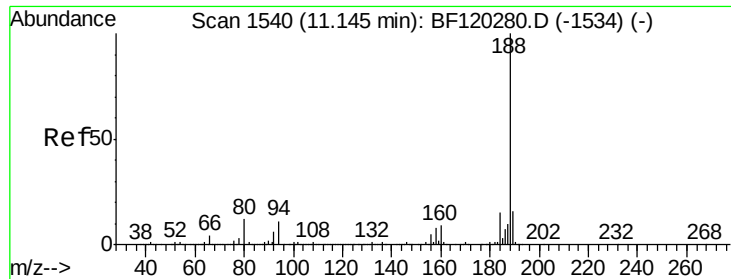
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

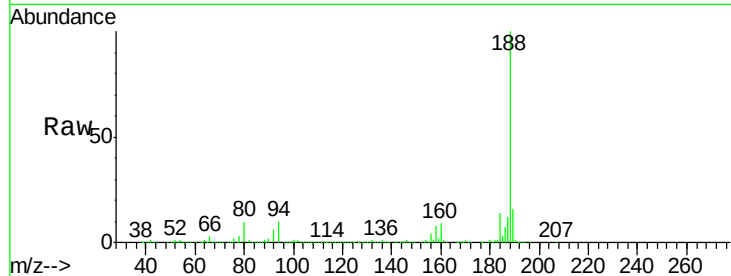
Tot Ion:188 Resp: 1285166

Ion Ratio Lower Upper

188 100

94 10.1 8.6 13.0

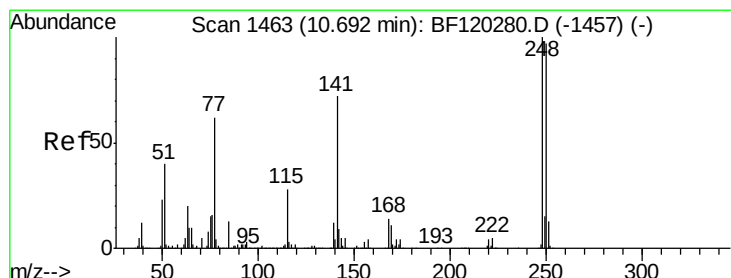
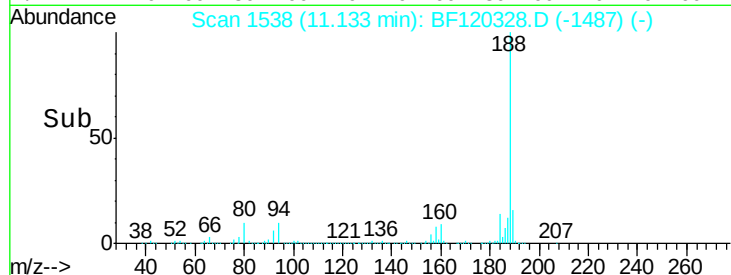
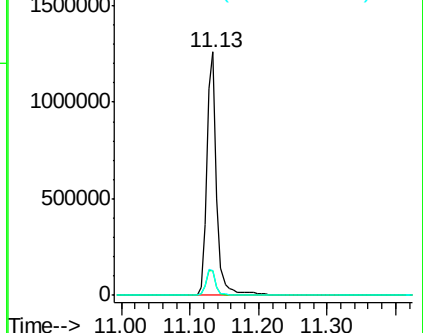
80 10.3 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.037 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.25 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

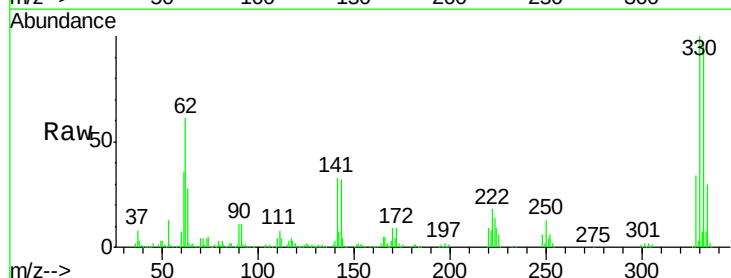
Tgt Ion:248 Resp: 37875

Ion Ratio Lower Upper

248 100

250 196.5 77.8 116.6#

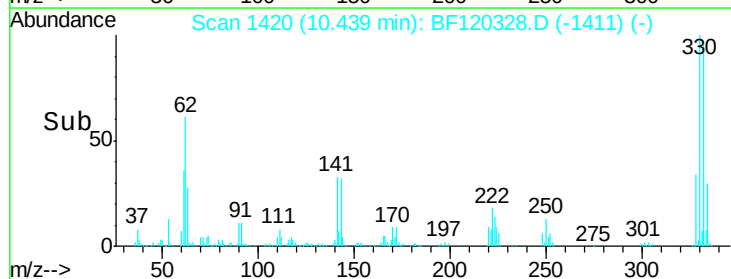
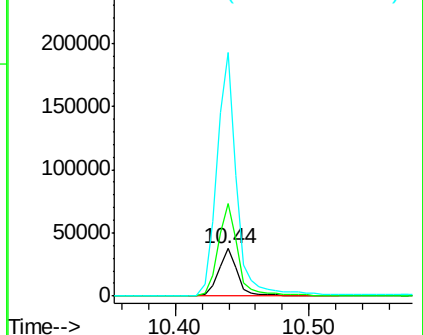
141 514.3 57.7 86.5#

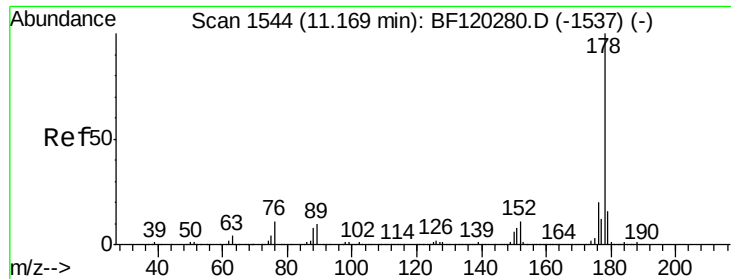


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

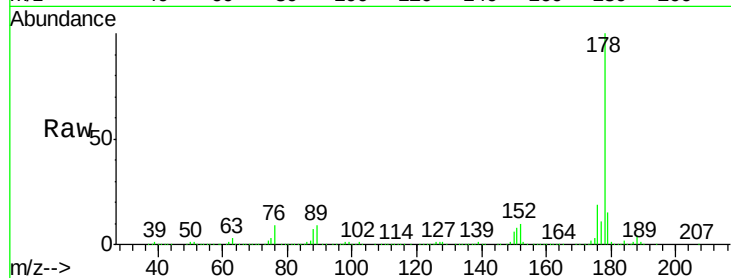




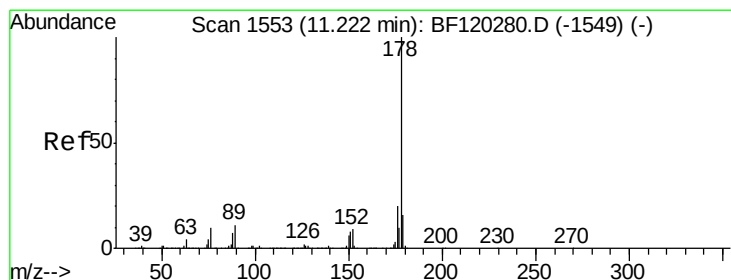
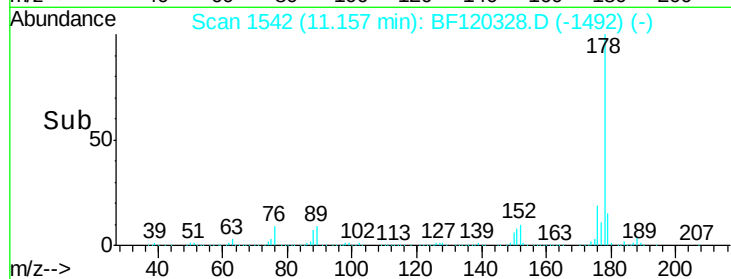
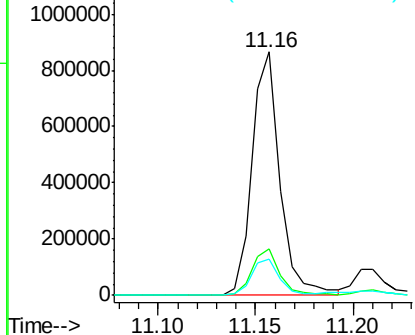
#71
Phenanthrene
Concen: 15.868 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 856937
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.1 12.8 19.2

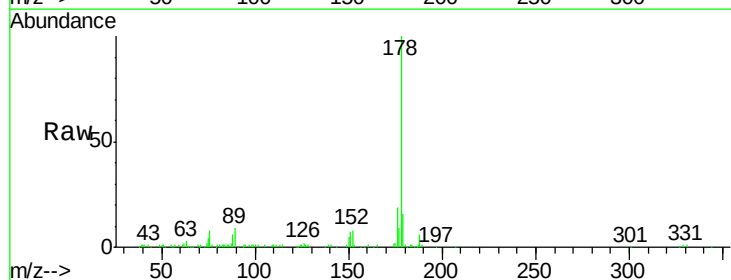


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

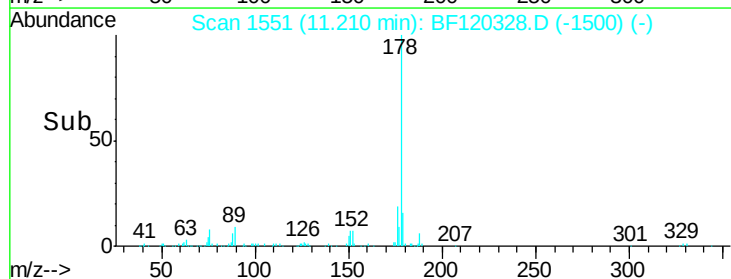
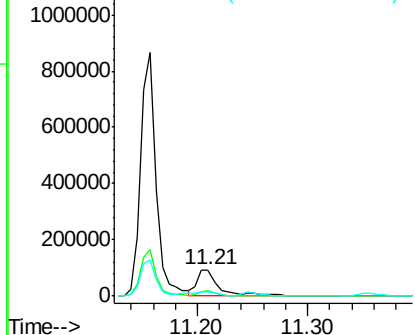


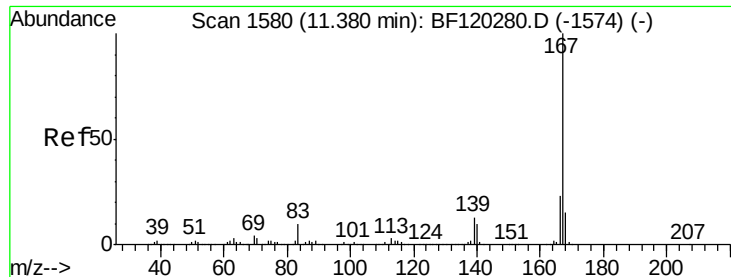
#72
Anthracene
Concen: 2.164 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion:178 Resp: 125106
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 16.5 13.0 19.6



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

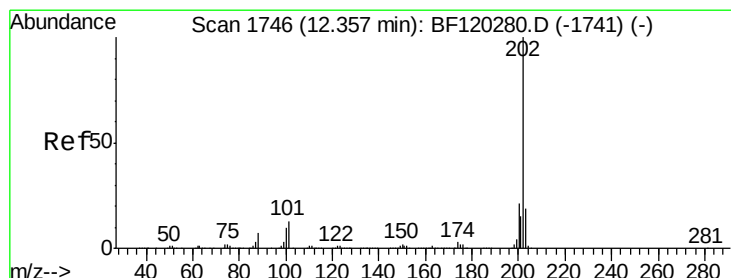
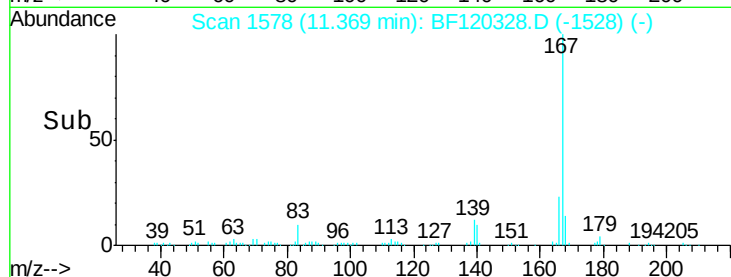
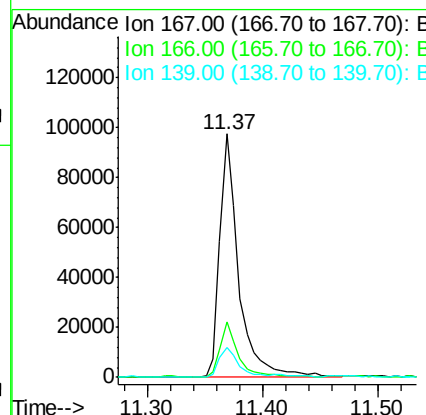
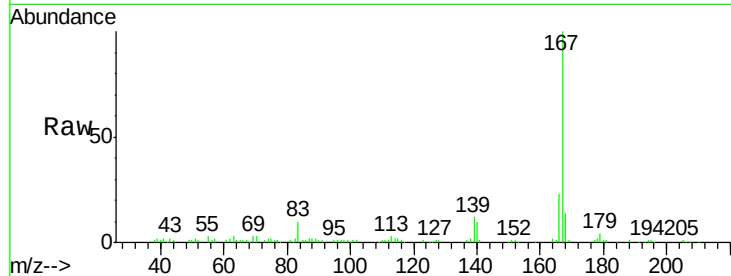




#73
 Carbazole
 Concen: 2.070 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

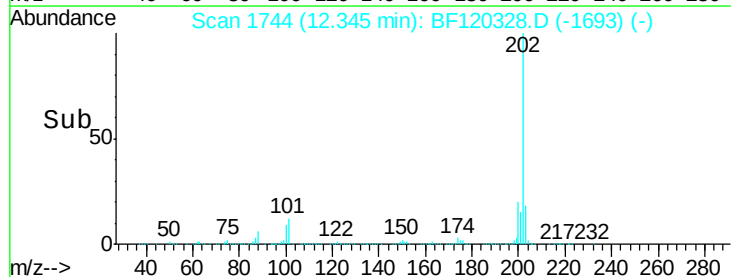
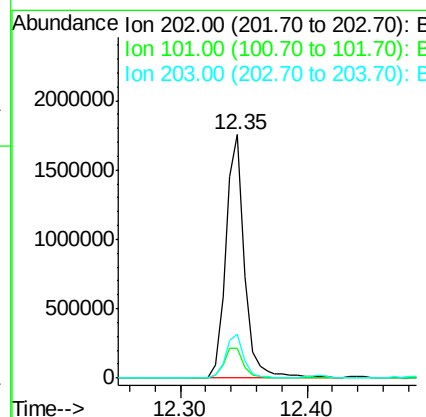
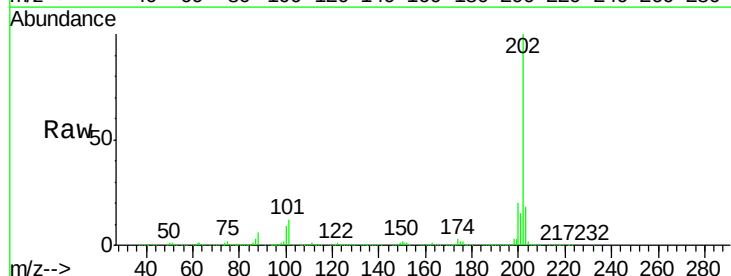
Instrument :
 BNA_F
 ClientSampleId :

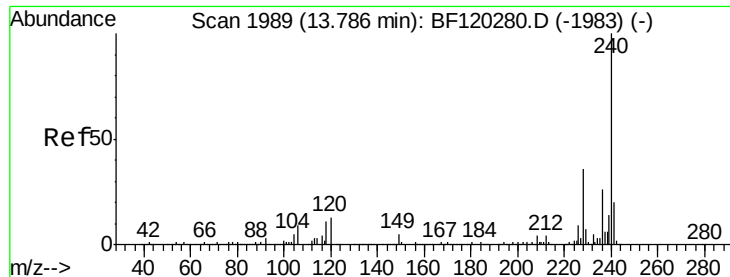
Tot Ion:167 Resp: 111823
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.1 27.1
 139 12.1 10.6 15.8



#75
 Fluoranthene
 Concen: 30.979 ng
 RT: 12.35 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion:202 Resp: 1793101
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.2
 203 18.0 0.0 39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

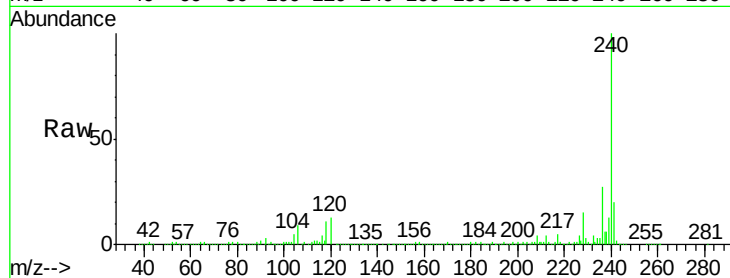
Tot Ion:240 Resp: 873213

Ion Ratio Lower Upper

240 100

120 12.9 10.4 15.6

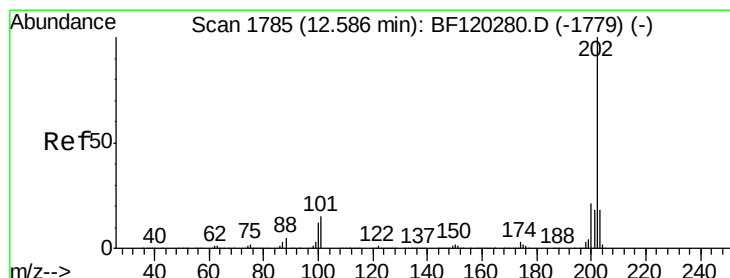
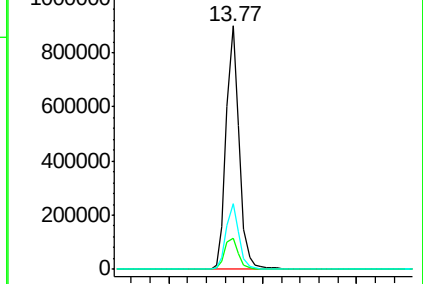
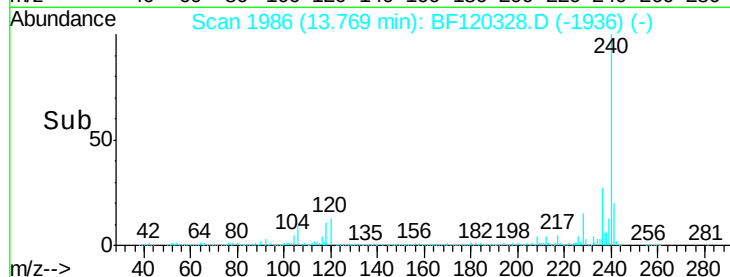
236 26.7 21.0 31.6



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

Pyrene

Concen: 23.426 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

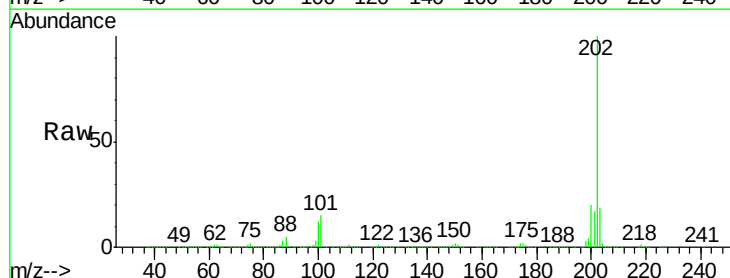
Tgt Ion:202 Resp: 1458285

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

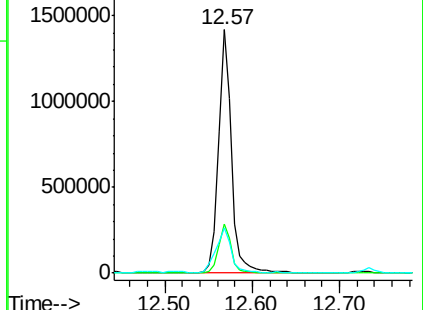
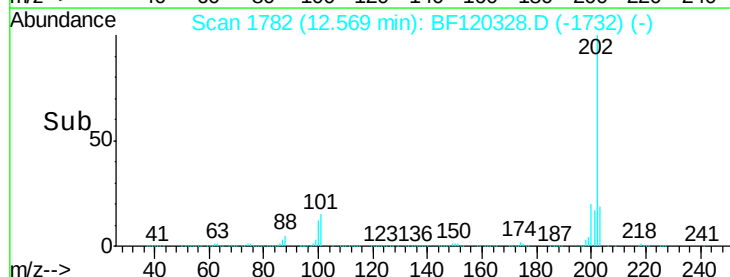
203 18.8 14.6 22.0

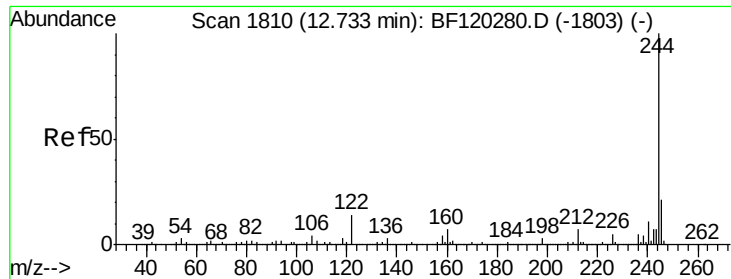


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



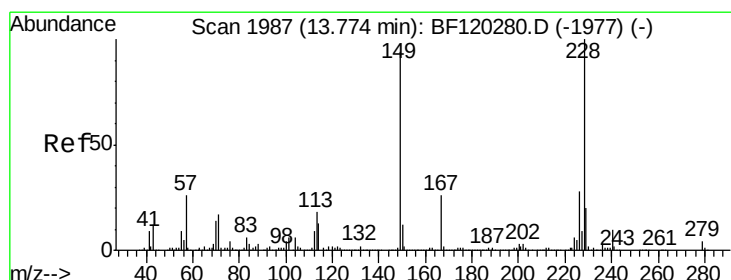
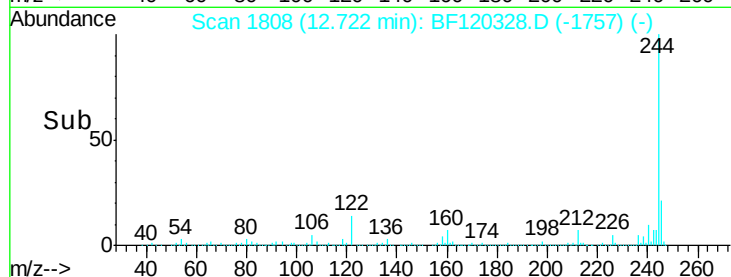
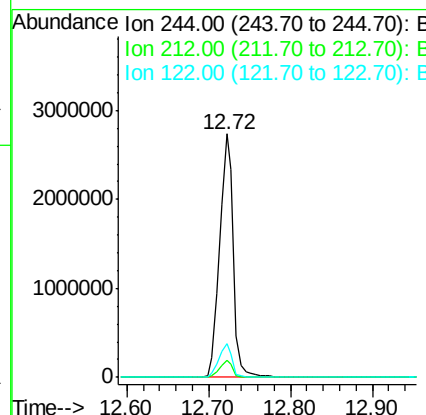
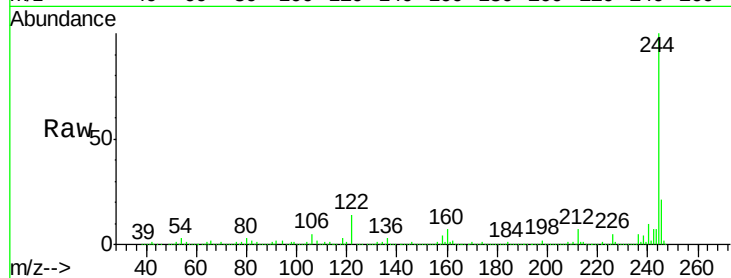


#79
 Terphenyl-d14
 Concen: 81.077 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 3204637

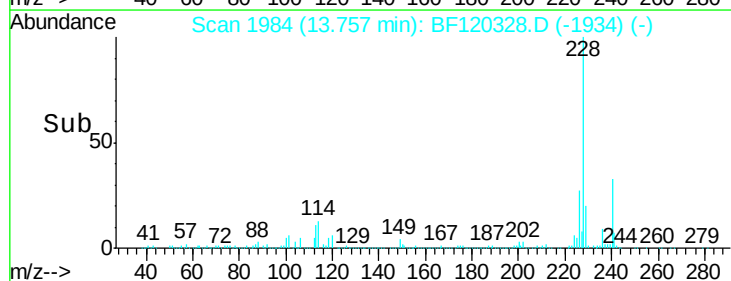
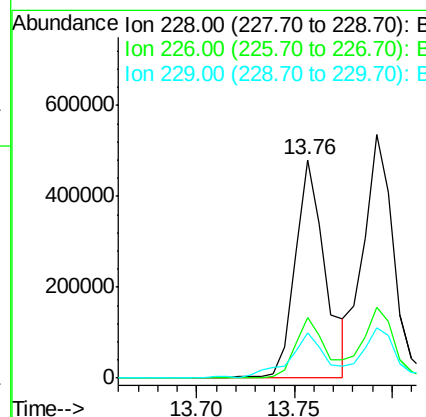
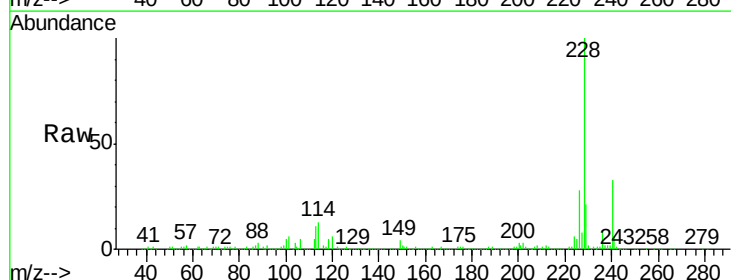
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	14.1	10.8	16.2

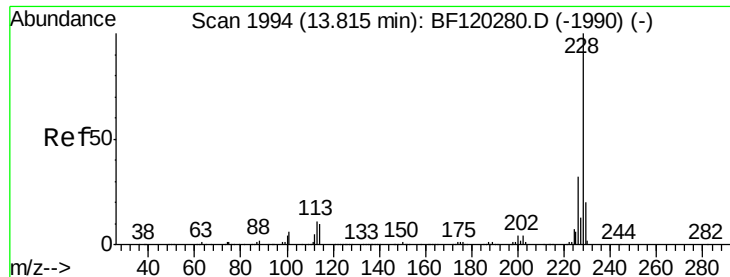


#81
 Benzo(a)anthracene
 Concen: 11.147 ng
 RT: 13.76 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion:228 Resp: 513373

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.6	16.4	24.6





#83

Chrysene

Concen: 11.718 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

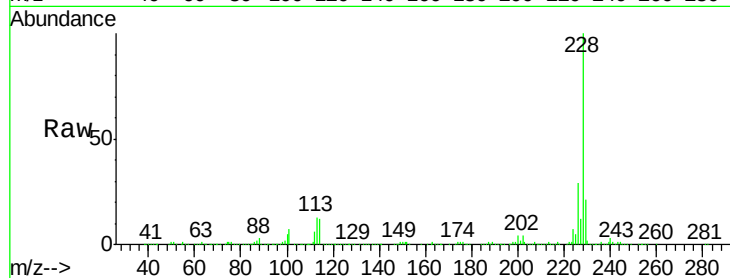
Tot Ion:228 Resp: 579527

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

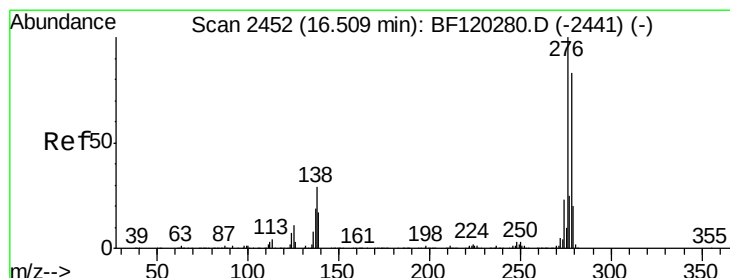
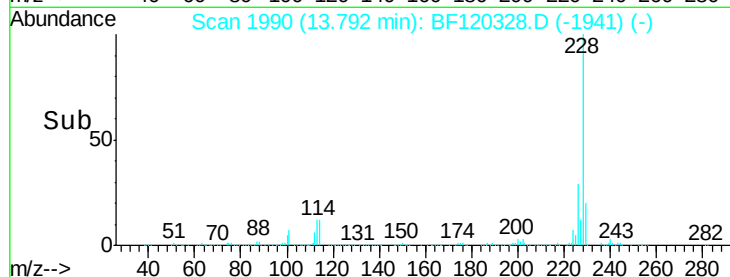
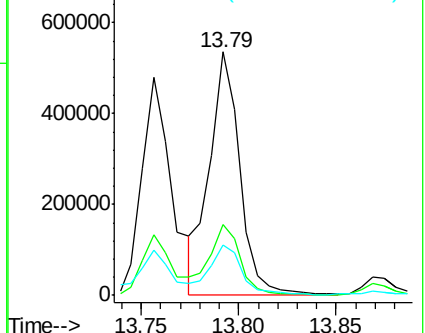
229 20.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.924 ng

RT: 16.47 min Scan# 2446

Delta R.T. -0.02 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

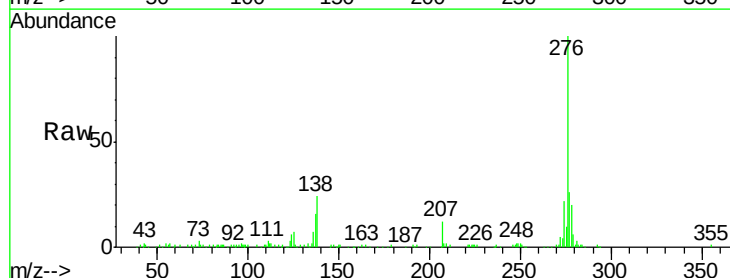
Tgt Ion:276 Resp: 176139

Ion Ratio Lower Upper

276 100

138 23.5 23.3 34.9

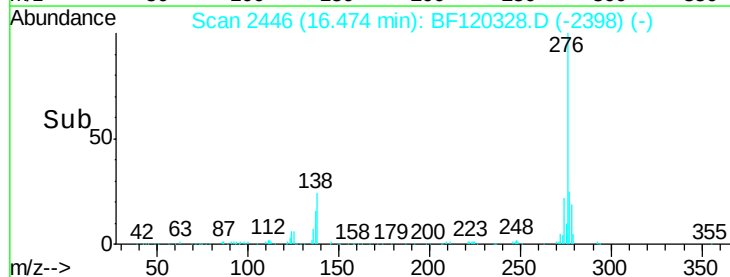
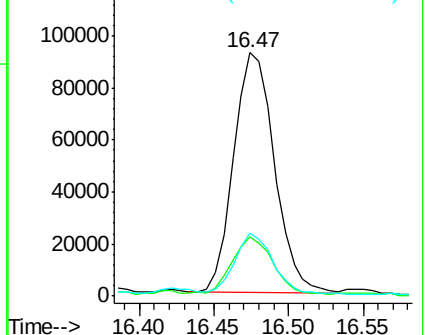
277 24.1 20.2 30.4

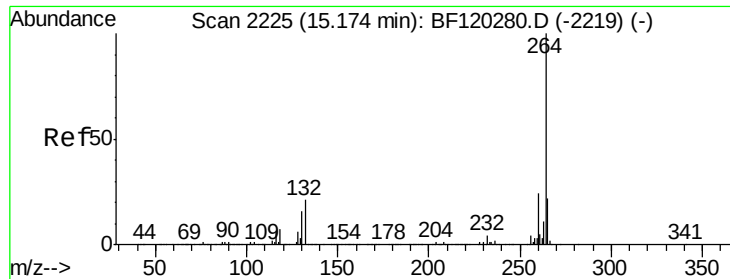


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

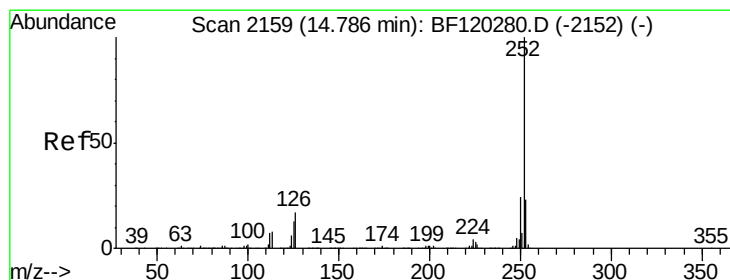
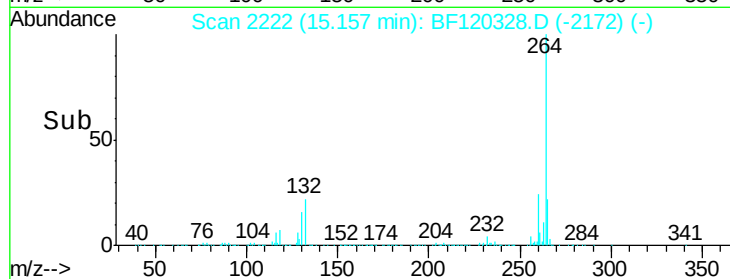
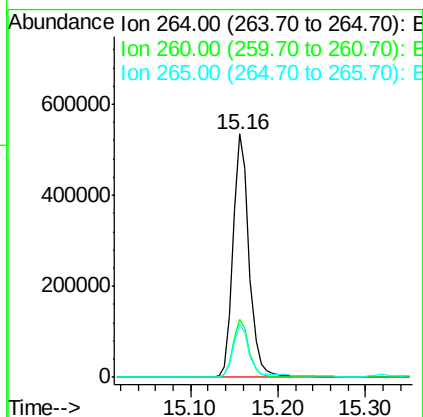
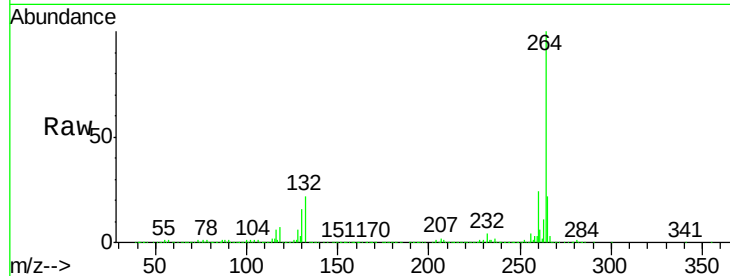




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

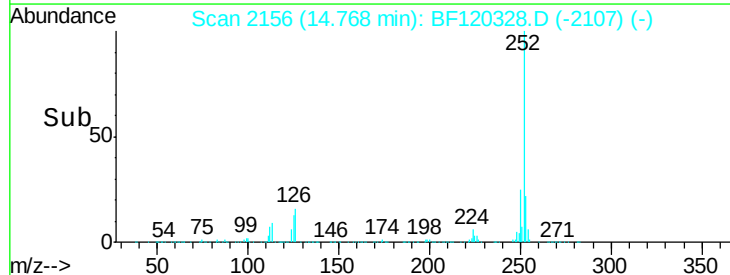
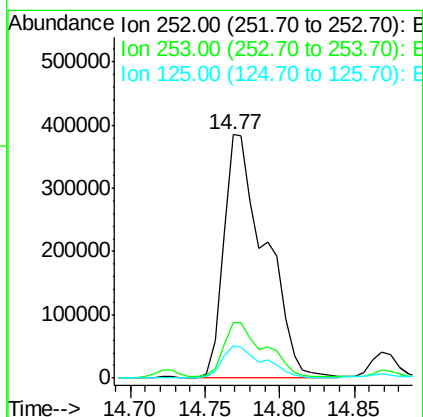
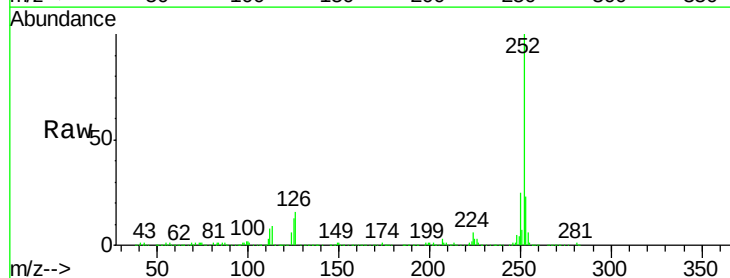
Instrument :
BNA_F
ClientSampleId :

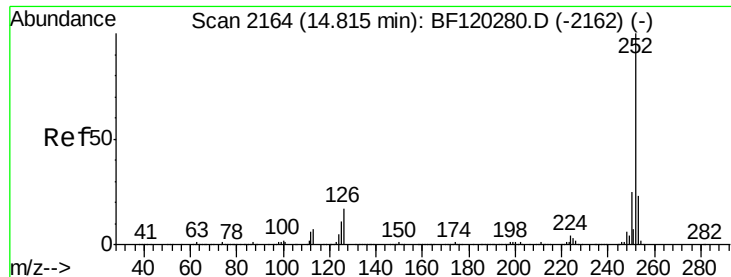
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.0	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 20.187 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.1	10.4	15.6

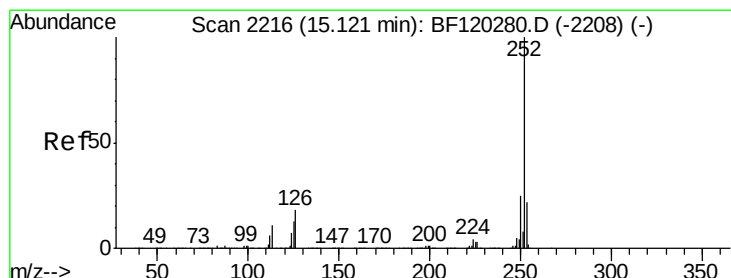
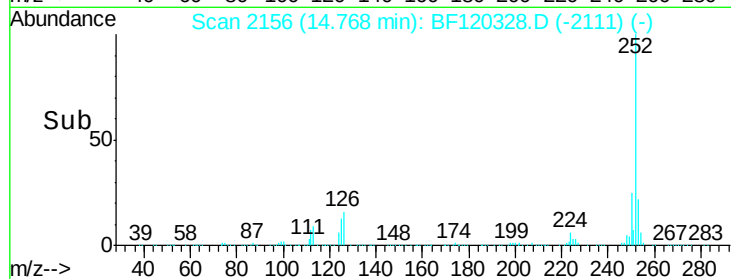
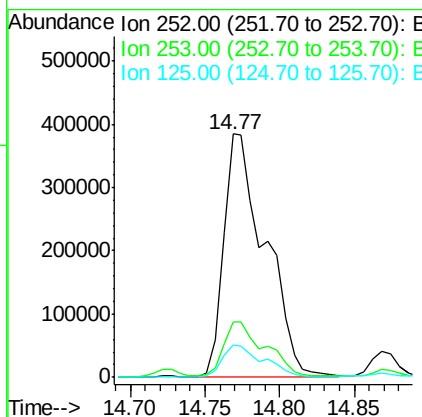
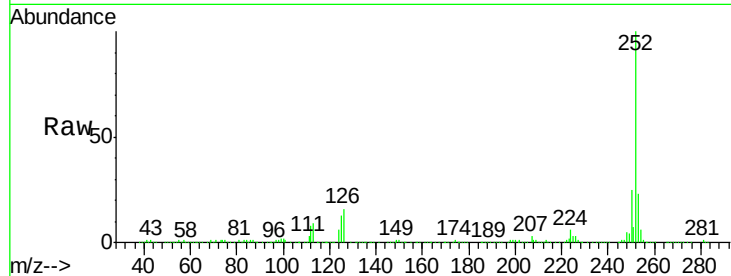




#89
Benzo(k)fluoranthene
Concen: 23.300 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

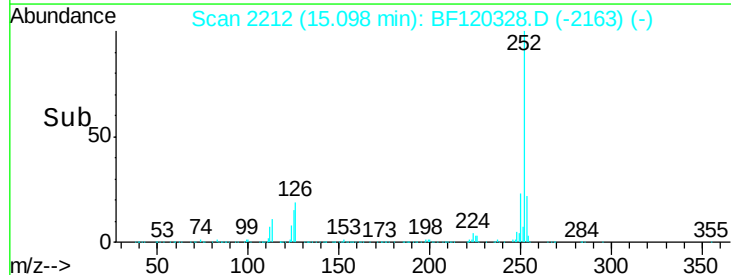
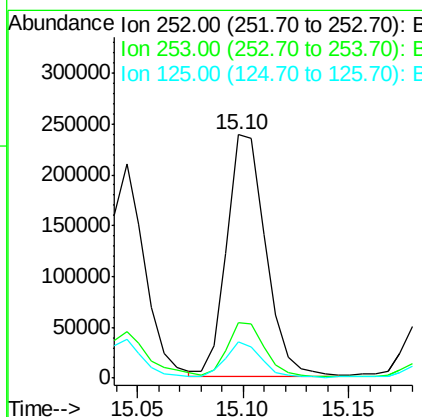
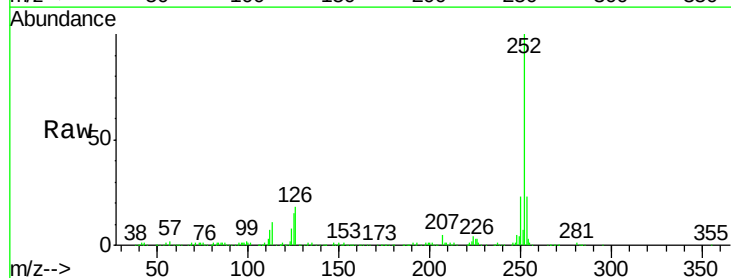
Instrument :
BNA_F
ClientSampled :

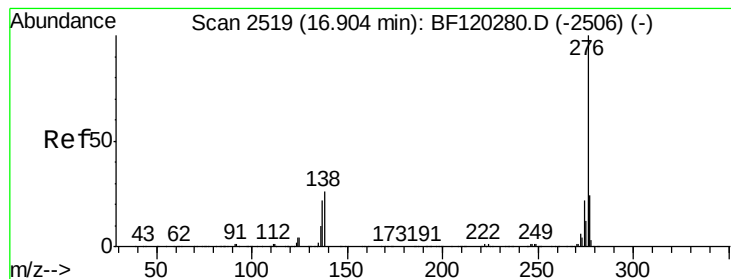
Tot Ion:252 Resp: 742327
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 13.1 9.9 14.9



#90
Benzo(a)pyrene
Concen: 9.224 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion:252 Resp: 304199
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 14.7 10.6 16.0





#92

Benzo(a,h,i)perylene

Concen: 5.879 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.02 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

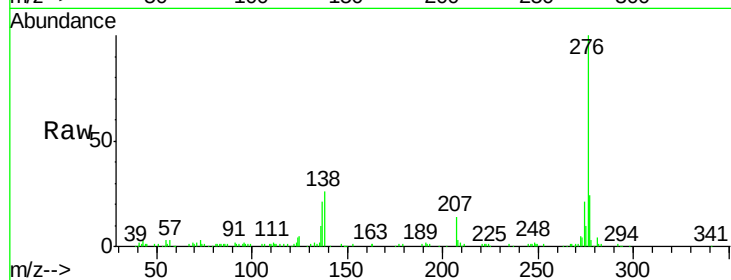
Tot Ion: 276 Resp: 173212

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 25.7 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

