

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120299.D
 Acq On : 14 May 2020 19:10
 Operator : MA/SJ
 Sample : L2605-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 15 02:34:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	339946	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1543693	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	643537	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1447951	20.00	ng	0.00
76) Chrysene-d12	13.78	240	877832	20.00	ng	0.00
87) Perylene-d12	15.17	264	815813	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1829884	104.73	ng	0.00
7) Phenol-d6	6.28	99	2488189	112.62	ng	0.00
23) Nitrobenzene-d5	7.19	82	1451243	64.37	ng	0.00
42) 2,4,6-Tribromophenol	10.45	330	636105	121.23	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2609055	83.29	ng	0.00
79) Terphenyl-d14	12.73	244	2955729	74.39	ng	0.00

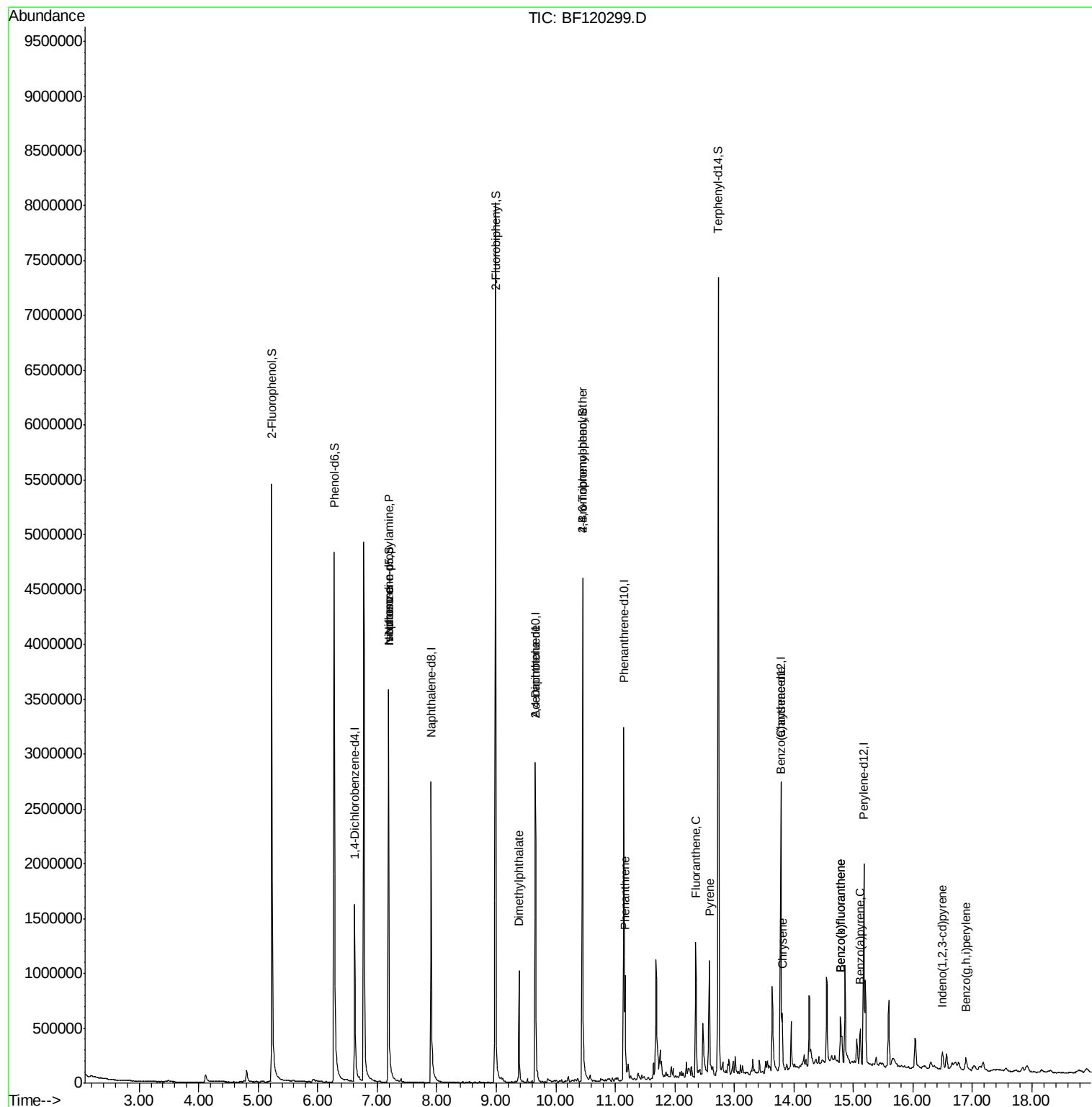
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	180922	12.499	ng	# 81
25) Isophorone	7.19	82	1451236	30.935	ng	# 65
50) Dimethylphthalate	9.38	163	421800	10.369	ng	99
57) 2,4-Dinitrotoluene	9.66	165	84830	7.965	ng	# 16
67) 4-Bromophenyl-phenylether	10.45	248	39699	2.825	ng	# 1
71) Phenanthrene	11.16	178	335038	5.507	ng	99
75) Fluoranthene	12.35	202	548550	8.412	ng	96
78) Pyrene	12.58	202	482505	7.710	ng	98
81) Benzo(a)anthracene	13.77	228	210932	4.556	ng	99
83) Chrysene	13.80	228	196219	3.947	ng	96
86) Indeno(1,2,3-cd)pyrene	16.50	276	94664	2.098	ng	95
88) Benzo(b)fluoranthene	14.79	252	309027	6.936	ng	100
89) Benzo(k)fluoranthene	14.79	252	309027	8.006	ng	99
90) Benzo(a)pyrene	15.12	252	152064	3.806	ng	97
92) Benzo(a,h,i)perylene	16.89	276	91601	2.566	ng	98

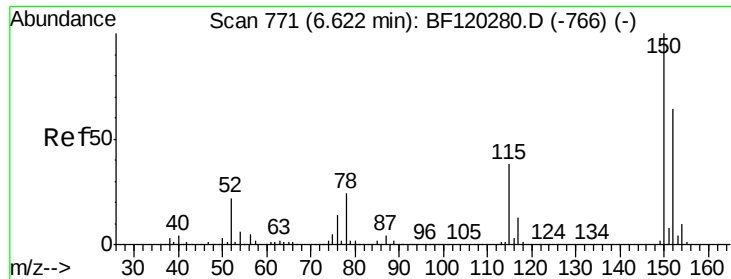
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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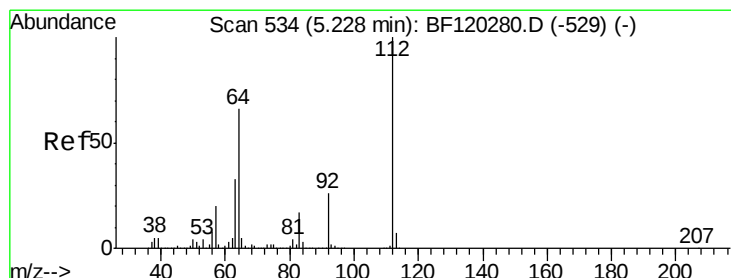
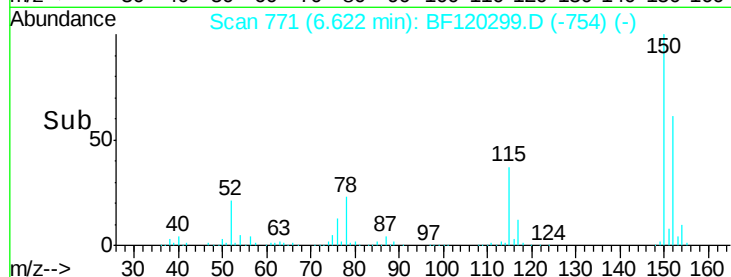
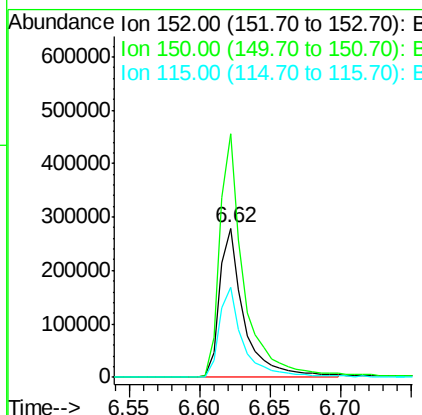
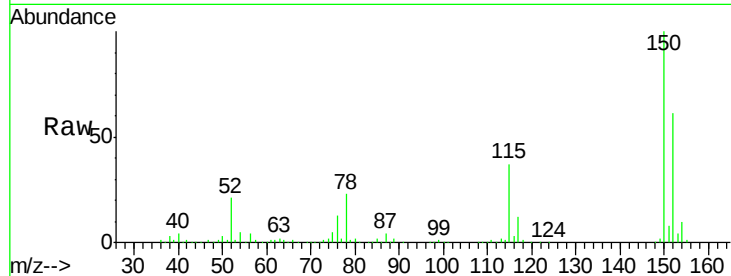




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.62 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

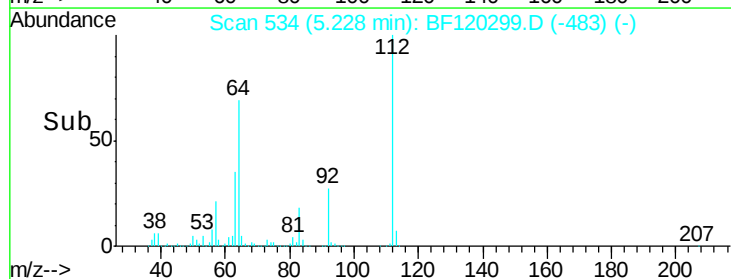
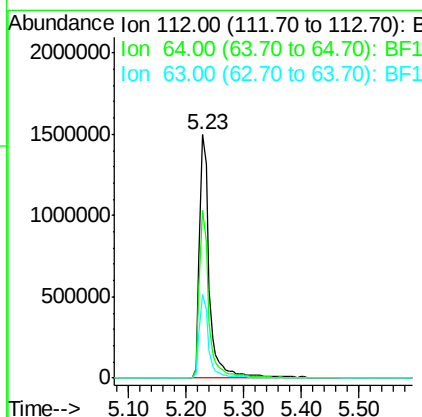
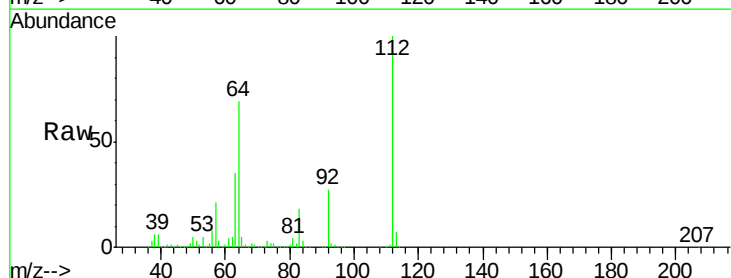
Instrument :
 BNA_F
 ClientSampleId :

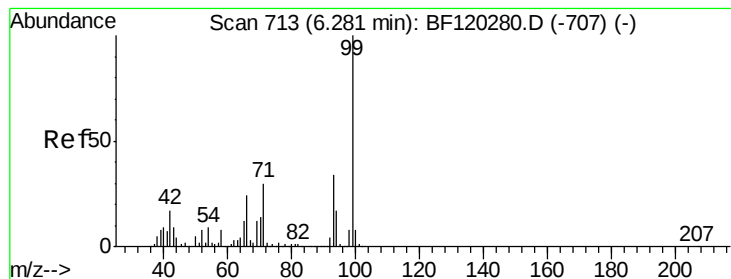
Tot Ion:152 Resp: 339946
 Ion Ratio Lower Upper
 152 100
 150 163.3 126.2 189.2
 115 60.5 47.9 71.9



#5
 2-Fluorophenol
 Concen: 104.735 ng
 RT: 5.23 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

Tgt Ion:112 Resp: 1829884
 Ion Ratio Lower Upper
 112 100
 64 68.8 52.7 79.1
 63 34.6 26.2 39.4





#7

Phenol-d6

Concen: 112.616 ng

RT: 6.28 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampled :

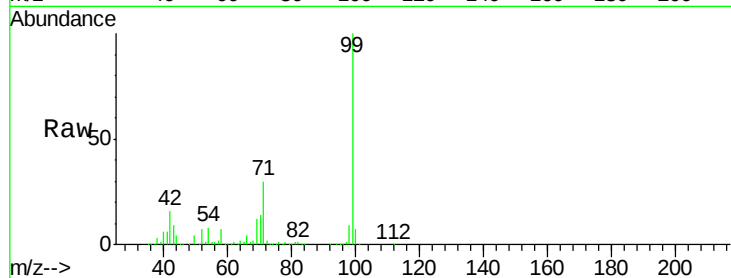
Tot Ion: 99 Resp: 2488189

Ion Ratio Lower Upper

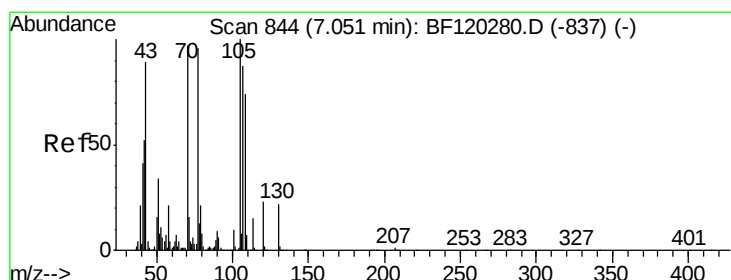
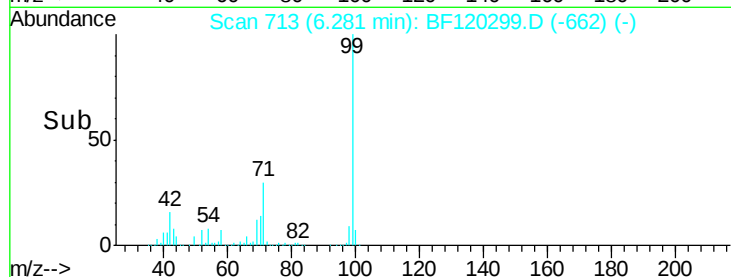
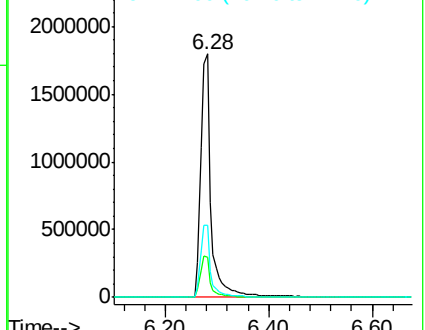
99 100

42 16.4 13.6 20.4

71 29.5 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.499 ng

RT: 7.19 min Scan# 868

Delta R.T. 0.14 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Tgt Ion: 70 Resp: 180922

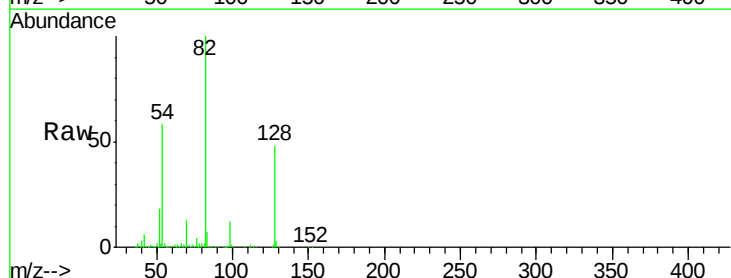
Ion Ratio Lower Upper

70 100

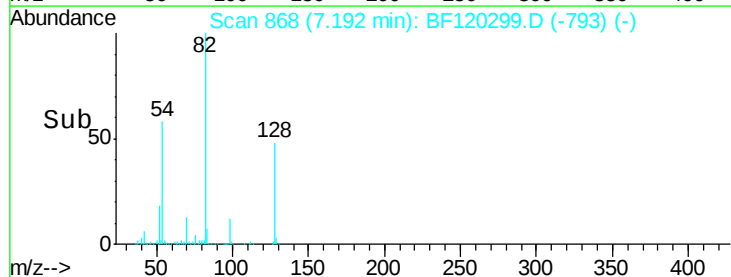
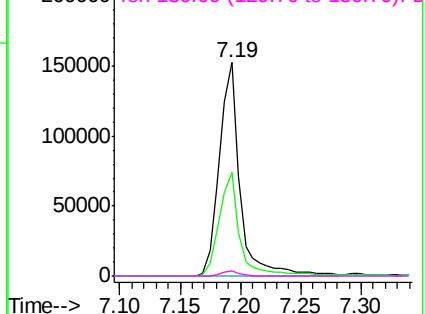
42 48.4 43.4 65.0

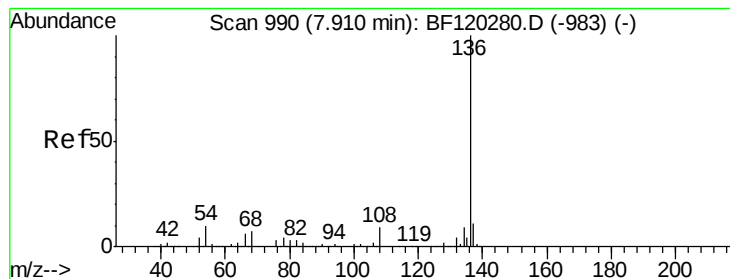
101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1543693

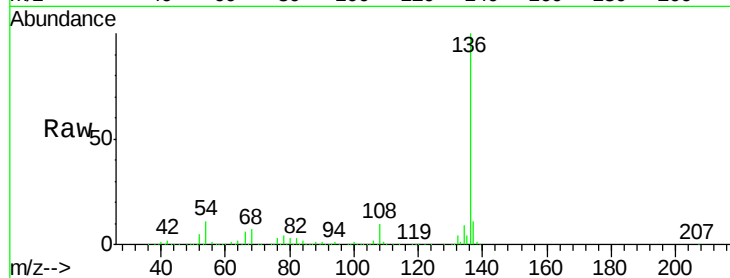
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 11.1 7.9 11.9

68 7.0 5.4 8.2

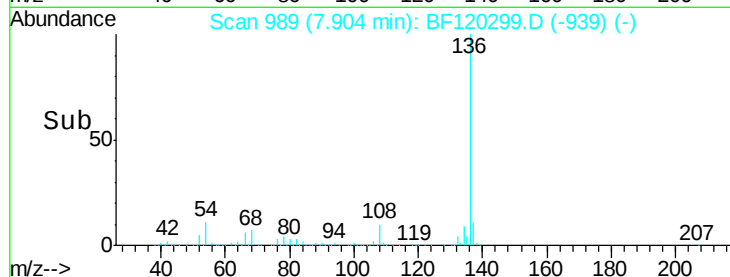


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

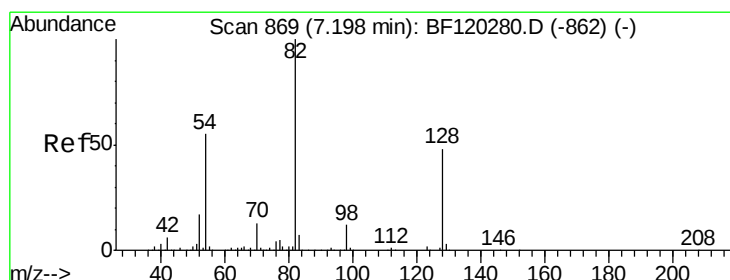
Ion 68.00 (67.70 to 68.70): BF1



Abundance

7.90

Time-->



#23

Nitrobenzene-d5

Concen: 64.366 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

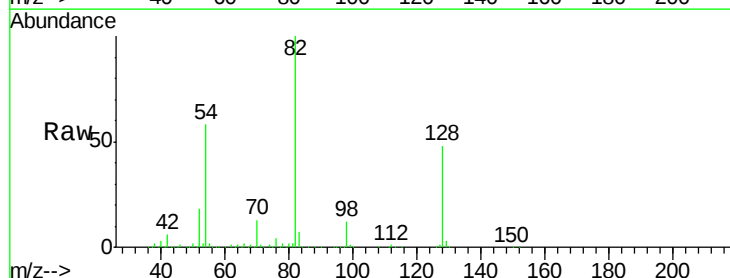
Tgt Ion: 82 Resp: 1451243

Ion Ratio Lower Upper

82 100

128 47.7 38.3 57.5

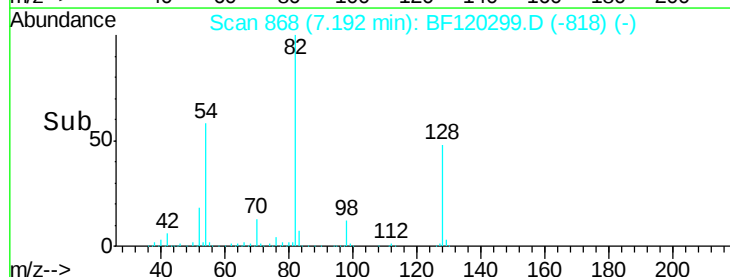
54 58.0 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

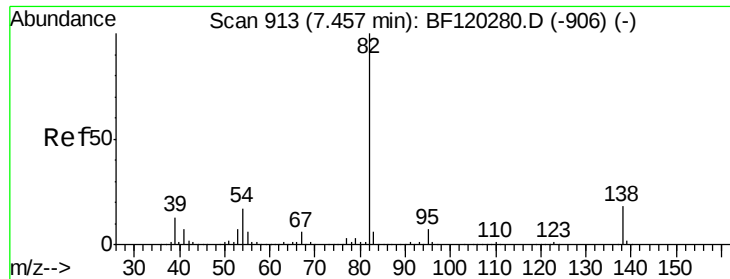
Ion 54.00 (53.70 to 54.70): BF1



Abundance

7.19

Time-->



#25

Isophorone

Concen: 30.935 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.26 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampleId :

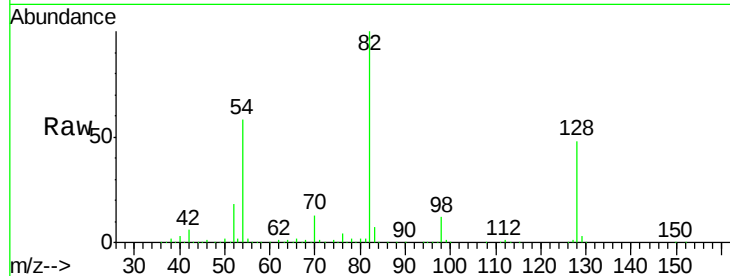
Tot Ion: 82 Resp: 1451236

Ion Ratio Lower Upper

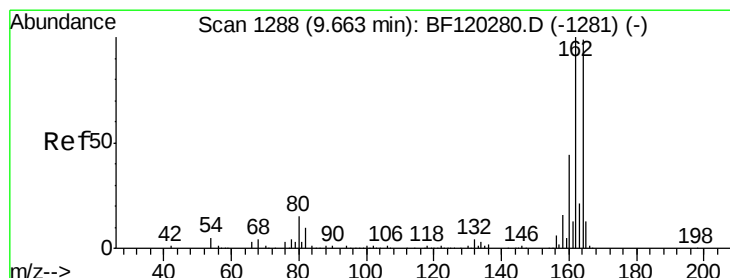
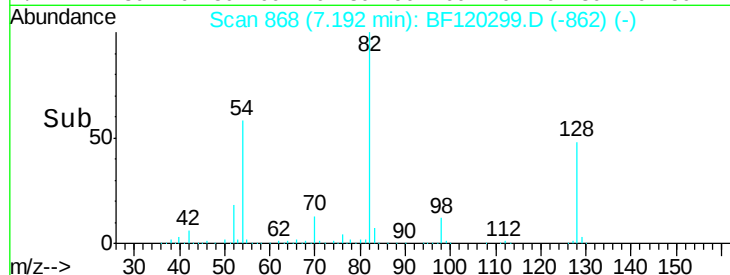
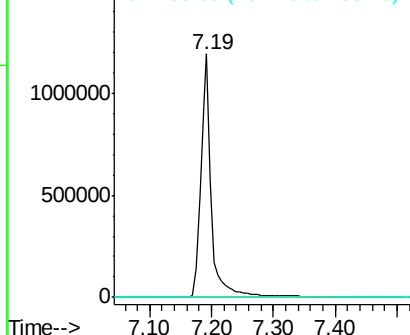
82 100

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: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

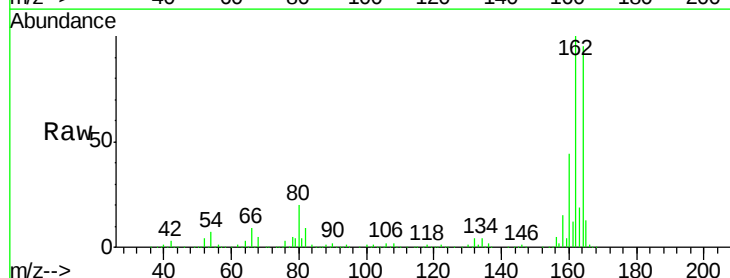
Tgt Ion:164 Resp: 643537

Ion Ratio Lower Upper

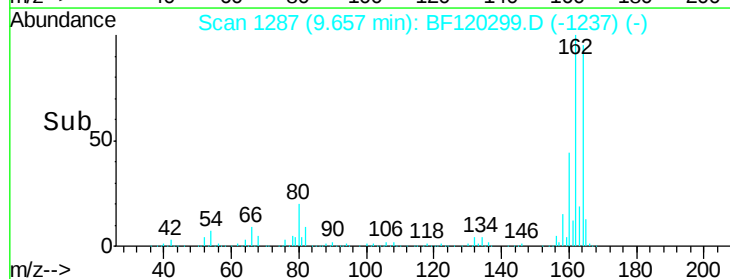
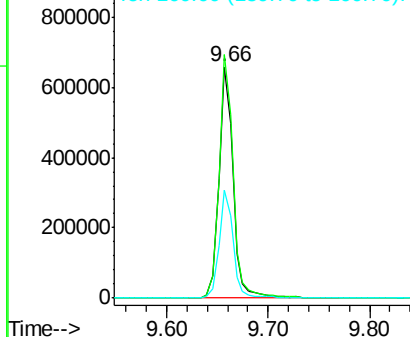
164 100

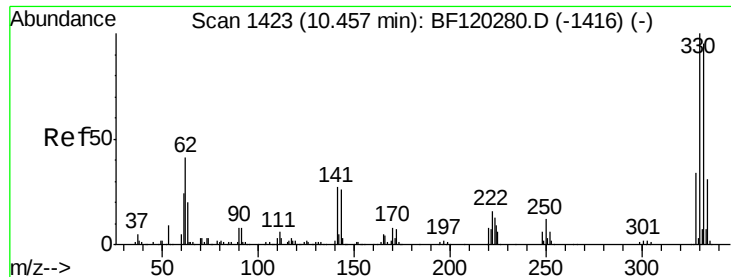
162 105.4 81.2 121.8

160 46.5 35.8 53.6



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

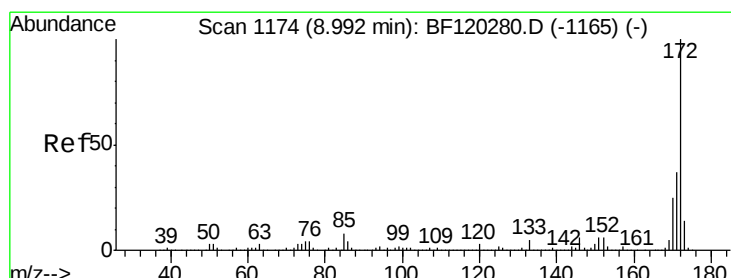
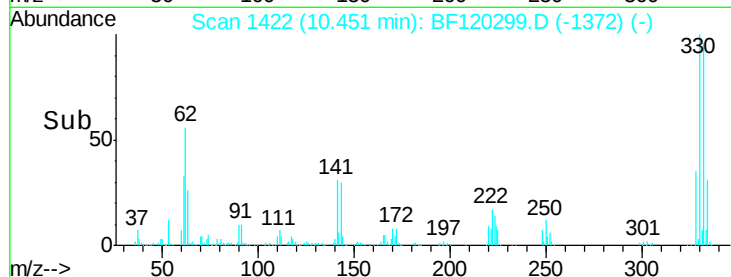
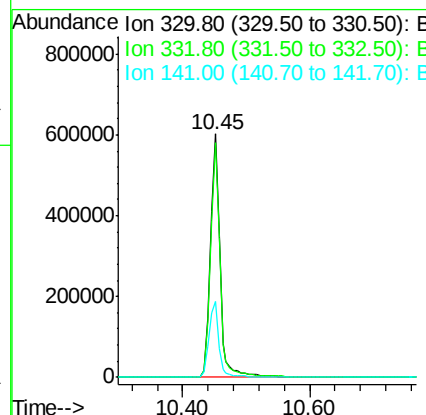
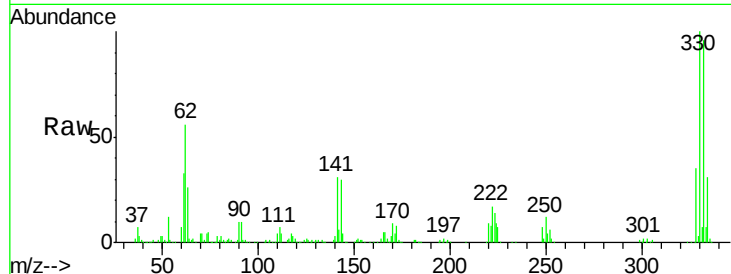




#42
 2,4,6-Tribromophenol
 Concen: 121.231 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

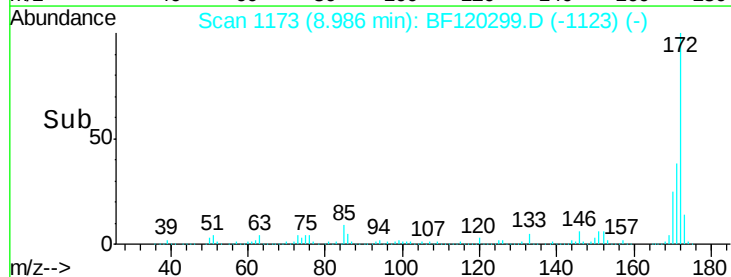
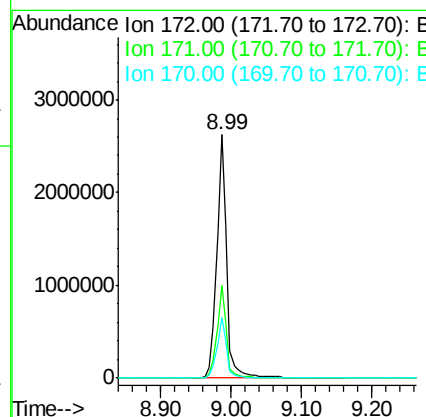
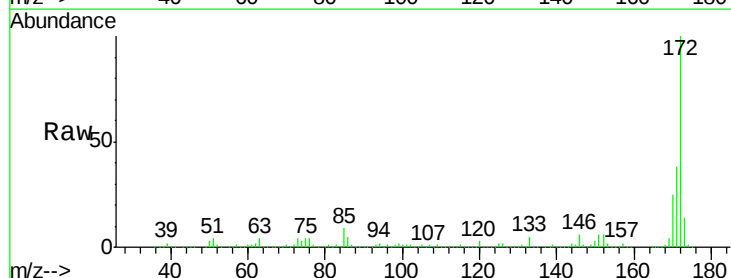
Instrument :
 BNA_F
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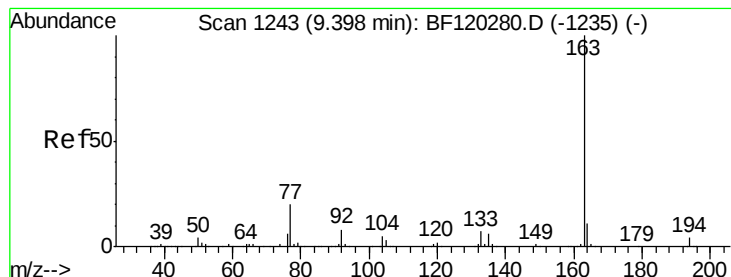
Tot Ion:330 Resp: 636105
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.5 114.7
 141 32.2 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 83.293 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

Tgt Ion:172 Resp: 2609055
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.7 44.5
 170 24.8 19.9 29.9





#50

Dimethylphthalate

Concen: 10.369 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampleId :

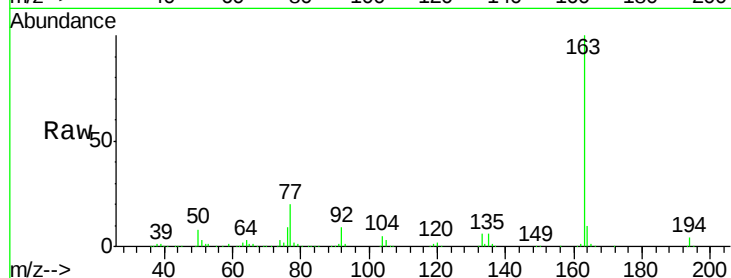
Tot Ion:163 Resp: 421800

Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

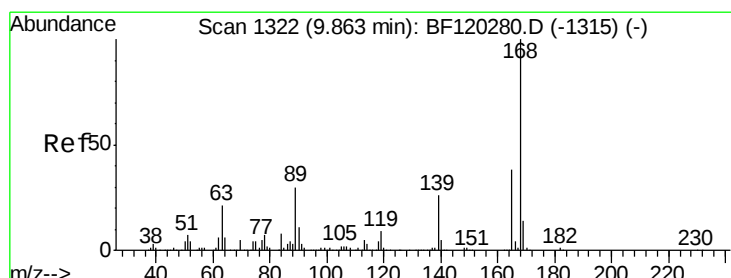
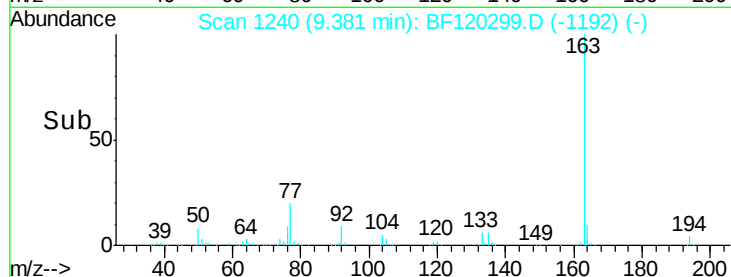
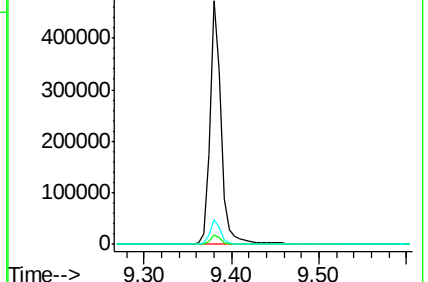
164 10.3 8.6 12.8



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: 7.965 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.21 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Tgt Ion:165 Resp: 84830

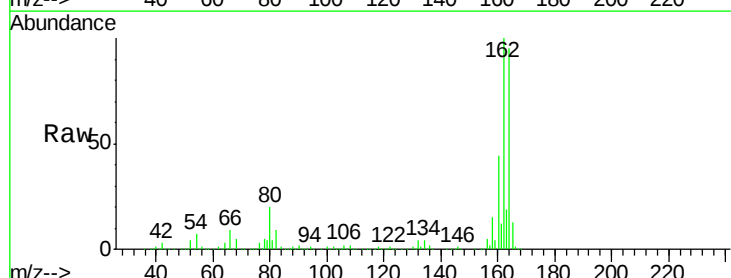
Ion Ratio Lower Upper

165 100

63 1.3 51.8 77.8#

89 1.1 64.2 96.4#

182 0.0 2.0 3.0#

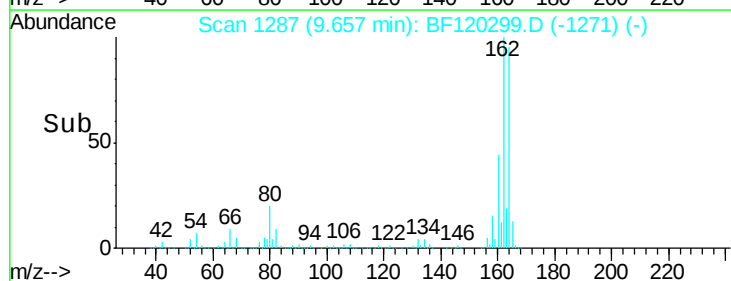
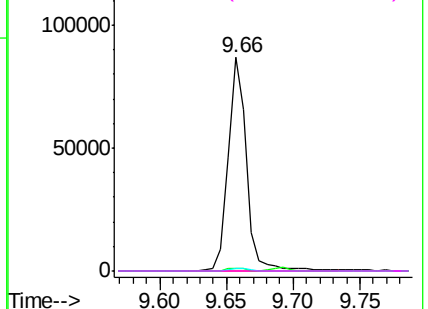


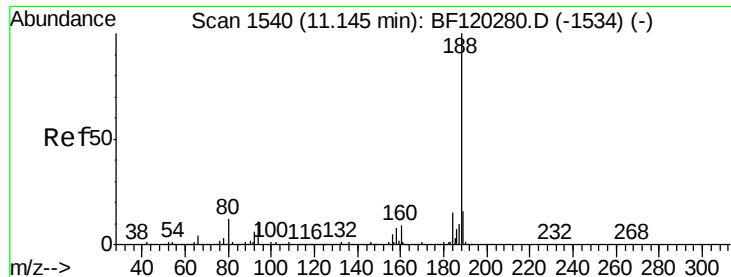
Abundance Ion 165.00 (164.70 to 165.70): E

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

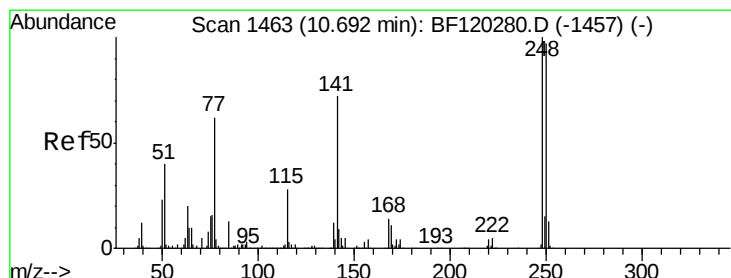
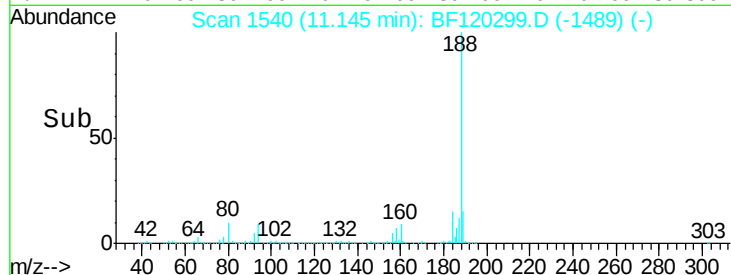
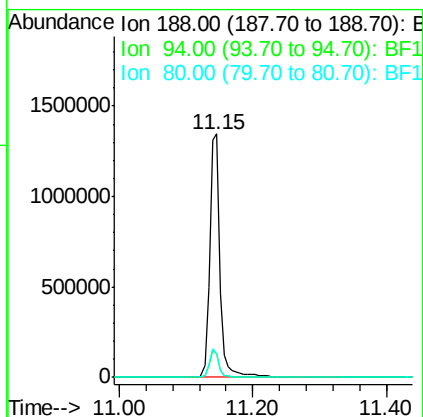
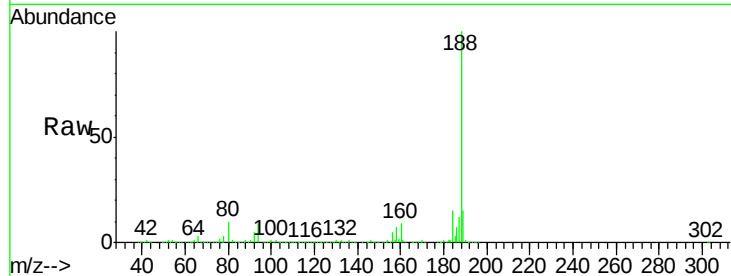




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

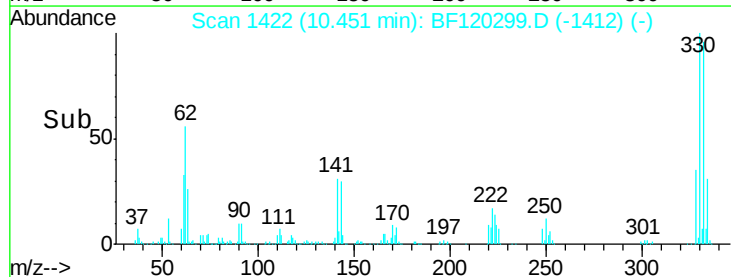
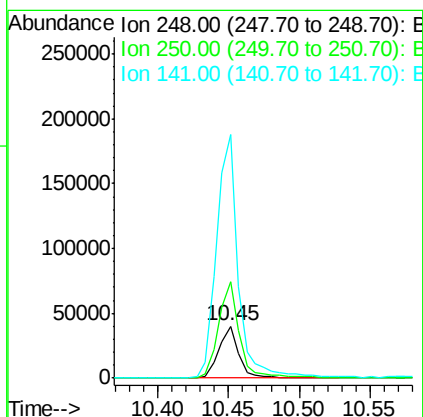
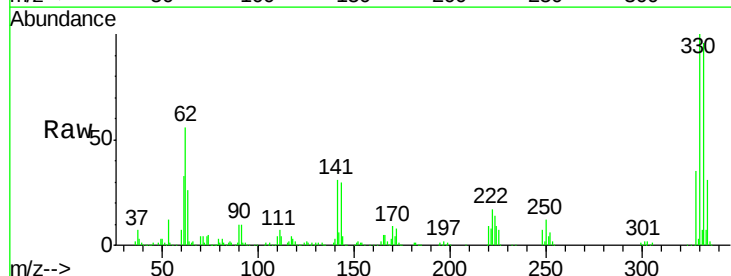
Instrument :
 BNA_F
 ClientSampleId :

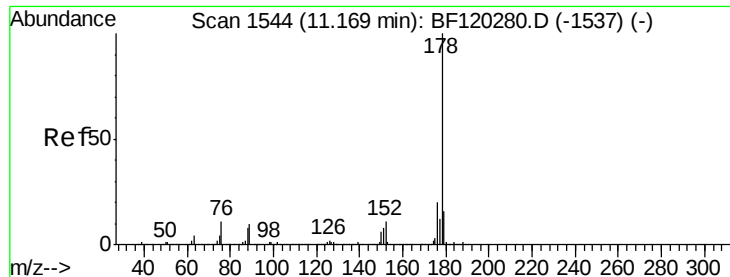
Tot Ion:188 Resp: 1447951
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.6 13.0
 80 9.8 9.2 13.8



#67
 4-Bromophenyl-phenylether
 Concen: 2.825 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.24 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

Tgt Ion:248 Resp: 39699
 Ion Ratio Lower Upper
 248 100
 250 185.3 77.8 116.6#
 141 470.0 57.7 86.5#

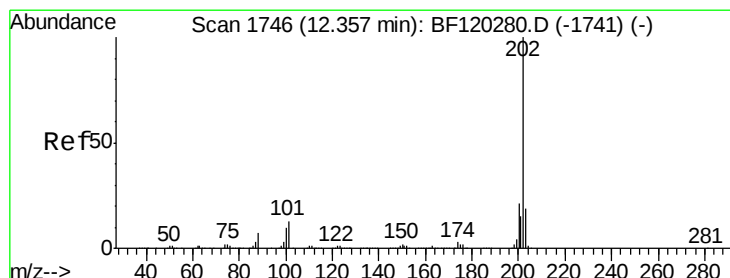
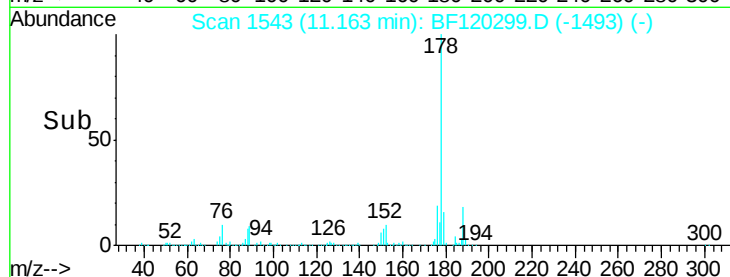
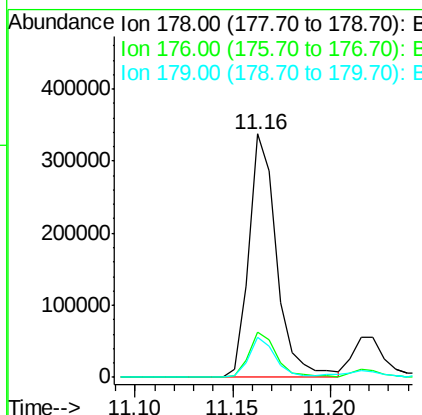
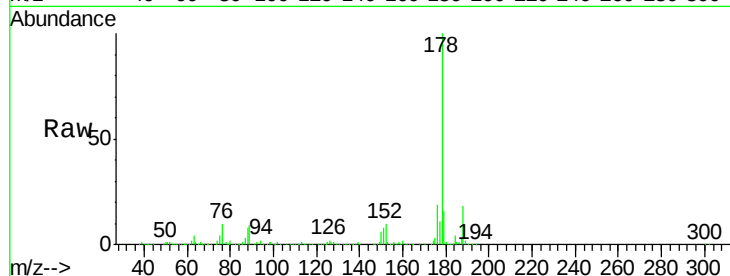




#71
Phenanthrene
Concen: 5.507 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

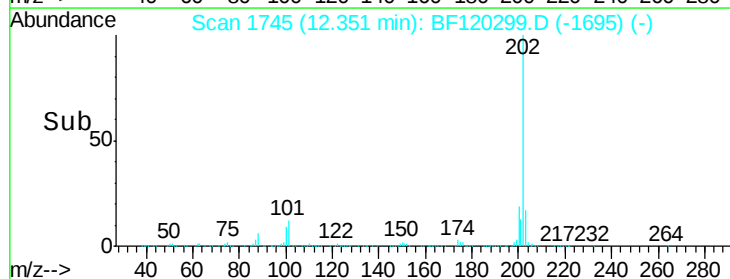
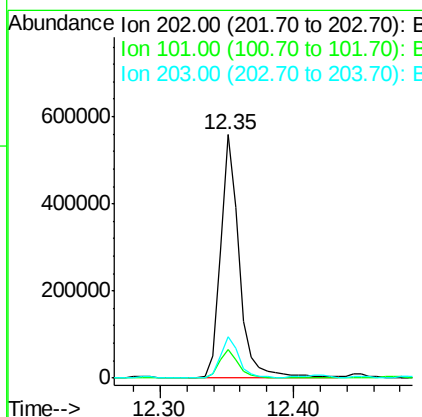
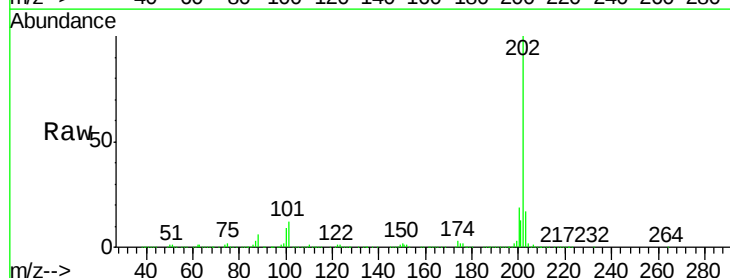
Instrument :
BNA_F
ClientSampleId :

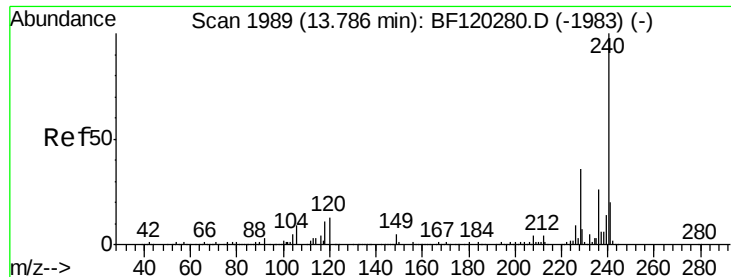
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.2	12.8	19.2



#75
Fluoranthene
Concen: 8.412 ng
RT: 12.35 min Scan# 1745
Delta R.T. -0.01 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.0	0.0	39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampleId :

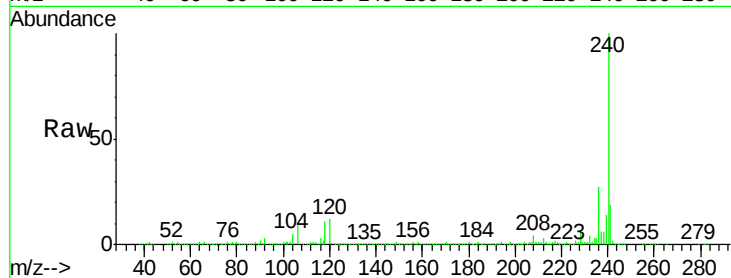
Tot Ion:240 Resp: 877832

Ion Ratio Lower Upper

240 100

120 12.3 10.4 15.6

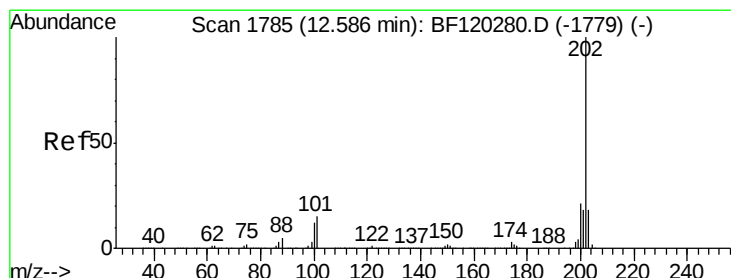
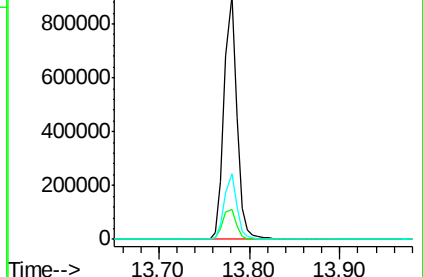
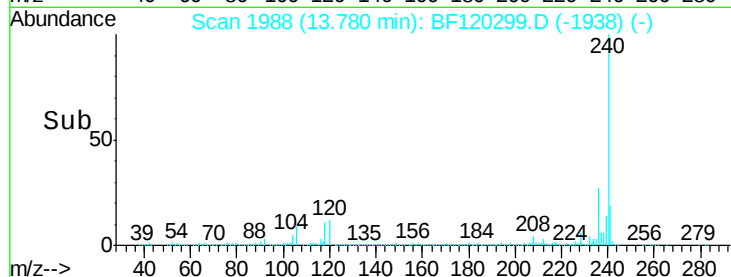
236 26.9 21.0 31.6



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: 7.710 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

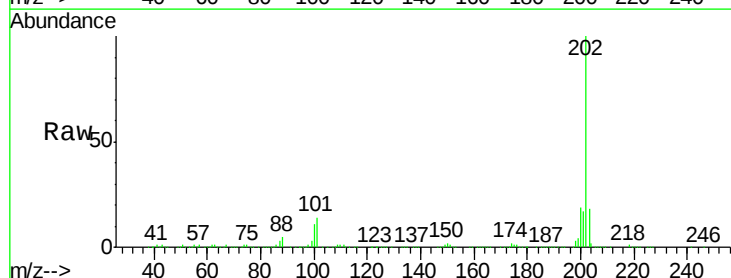
Tgt Ion:202 Resp: 482505

Ion Ratio Lower Upper

202 100

200 19.1 16.6 25.0

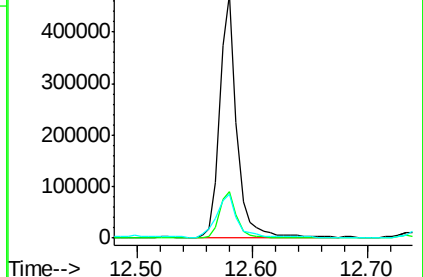
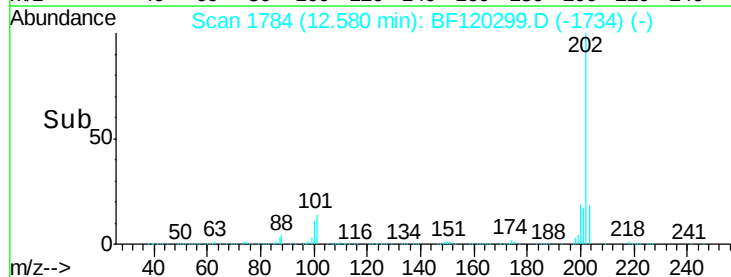
203 18.1 14.6 22.0

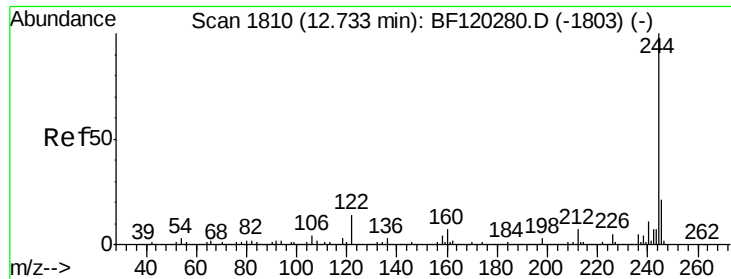


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.386 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

Instrument :

BNA_F

ClientSampleId :

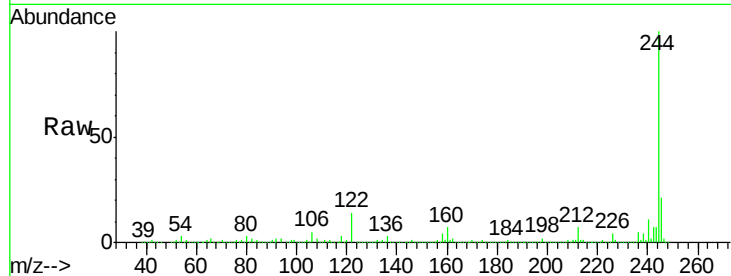
Tot Ion:244 Resp: 2955729

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

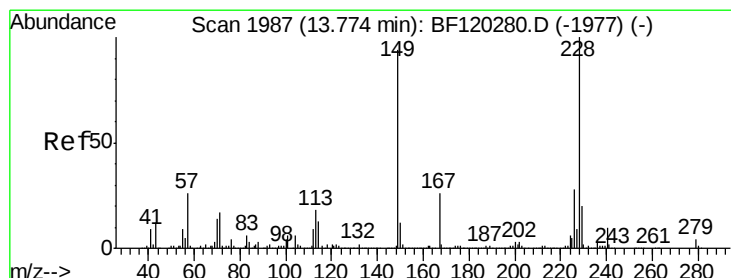
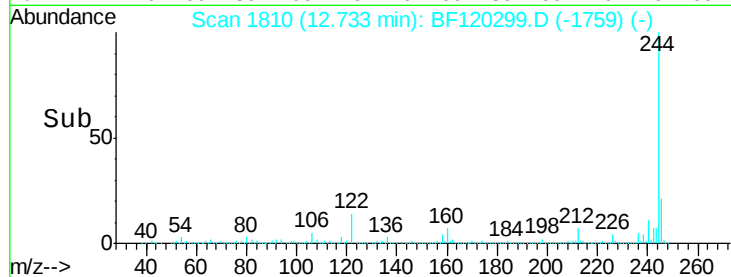
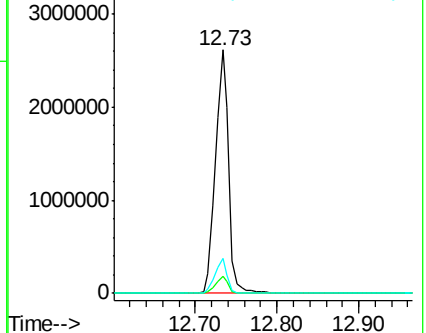
122 14.2 10.8 16.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.556 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120299.D

Acq: 14 May 2020 19:10

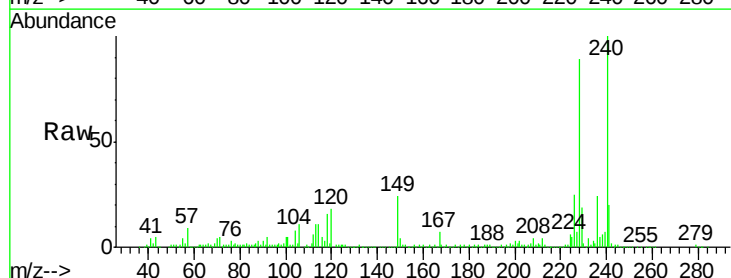
Tgt Ion:228 Resp: 210932

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

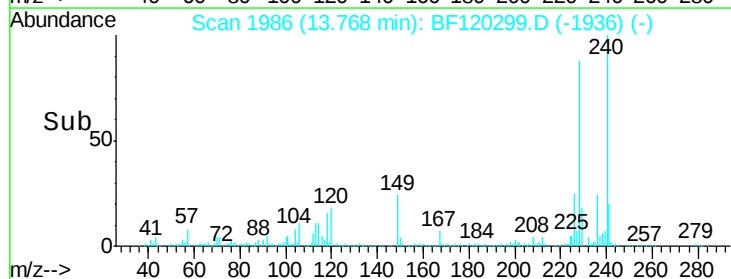
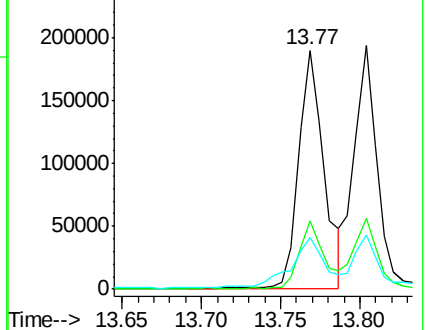
229 21.5 16.4 24.6

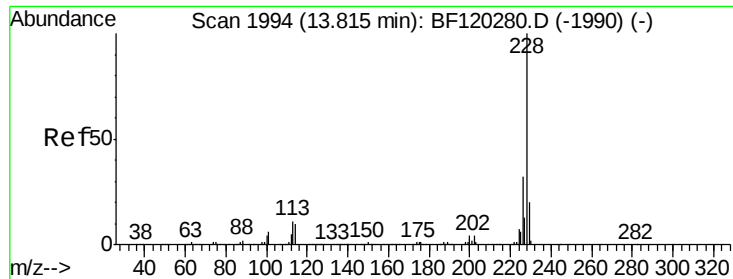


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

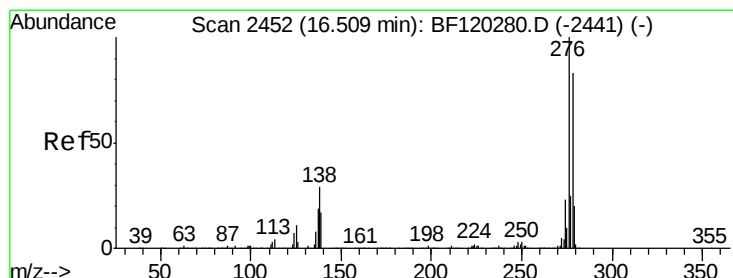
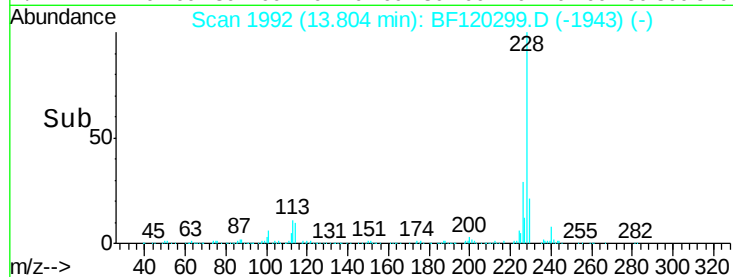
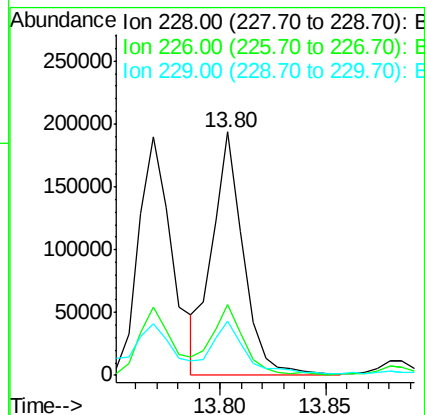
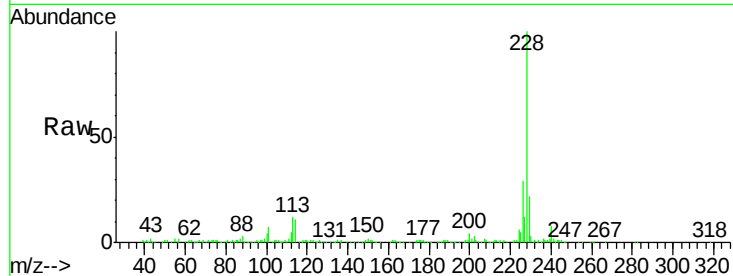




#83
Chrysene
Concen: 3.947 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

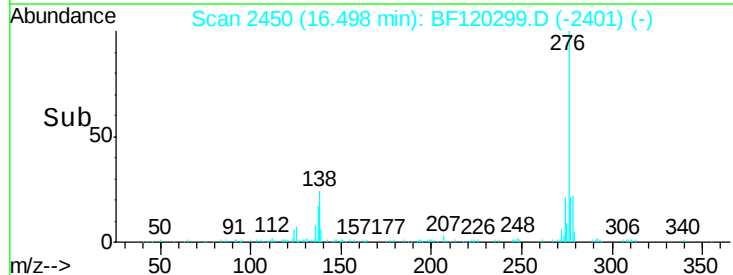
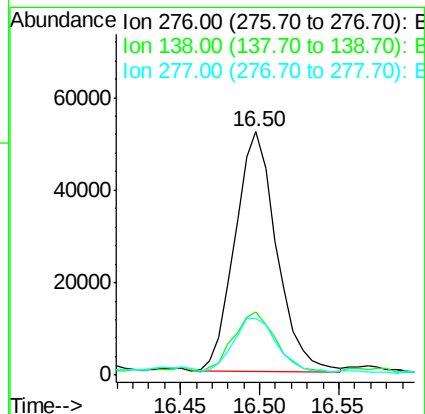
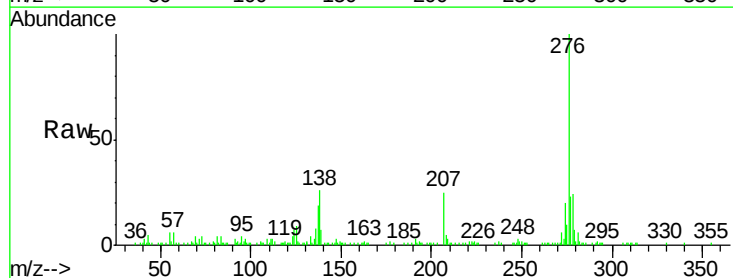
Instrument :
BNA_F
ClientSampled :

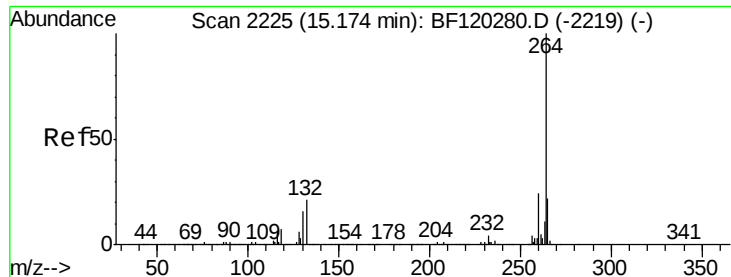
Tot Ion:228 Resp: 196219
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.4 16.2 24.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.098 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

Tgt Ion:276 Resp: 94664
Ion Ratio Lower Upper
276 100
138 25.3 23.3 34.9
277 24.1 20.2 30.4



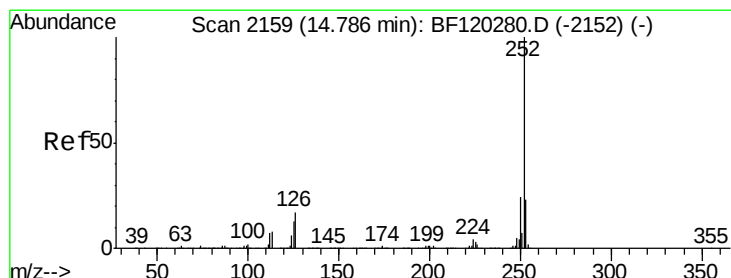
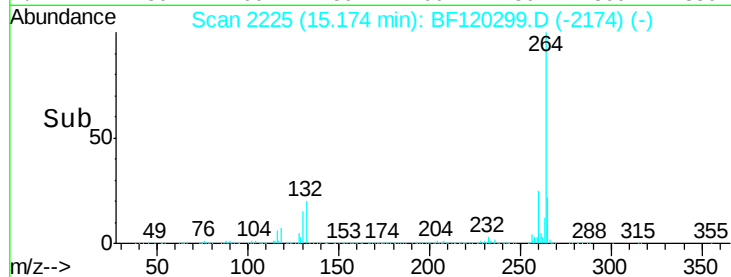
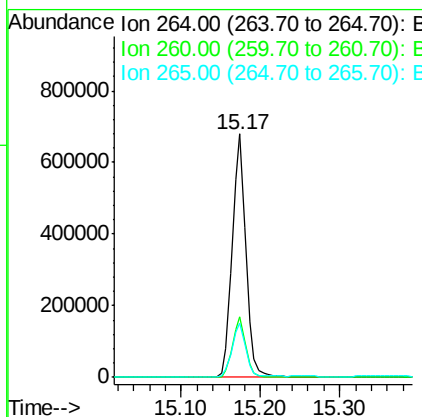
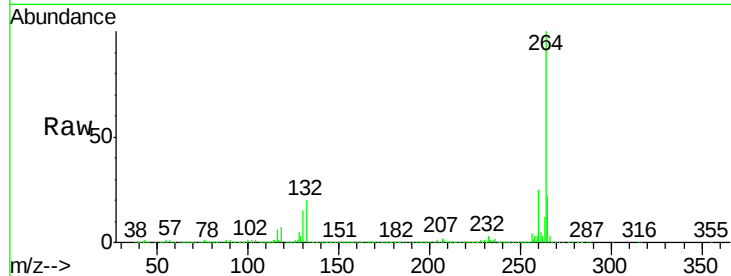


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 815813

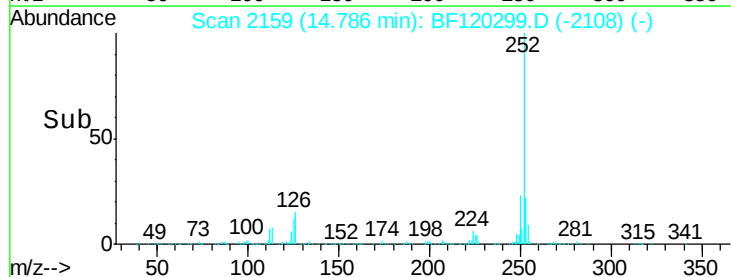
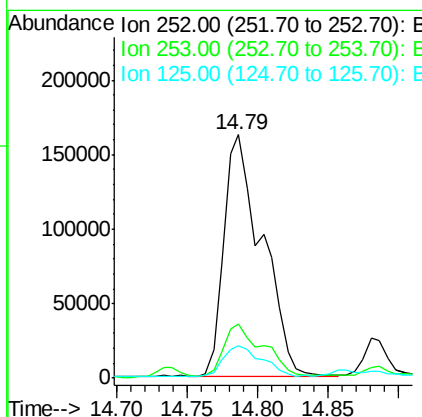
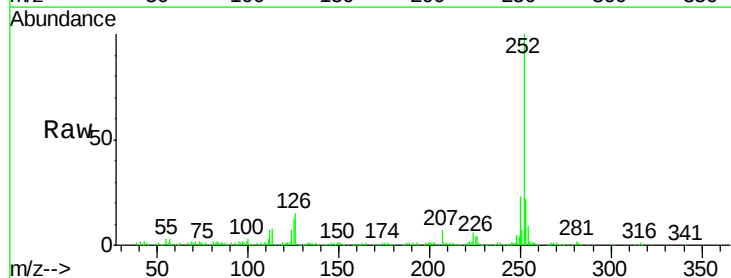
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	22.0	17.5	26.3

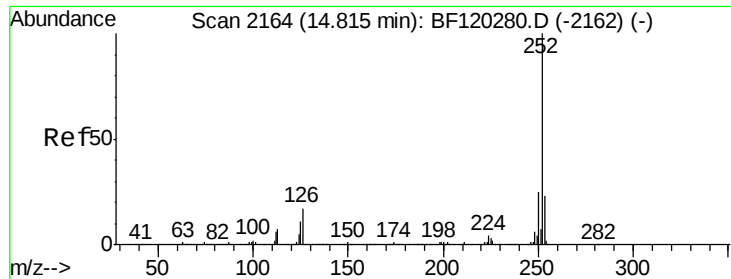


#88
Benzo(b)fluoranthene
Concen: 6.936 ng
RT: 14.79 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

Tgt Ion:252 Resp: 309027

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.1	10.4	15.6

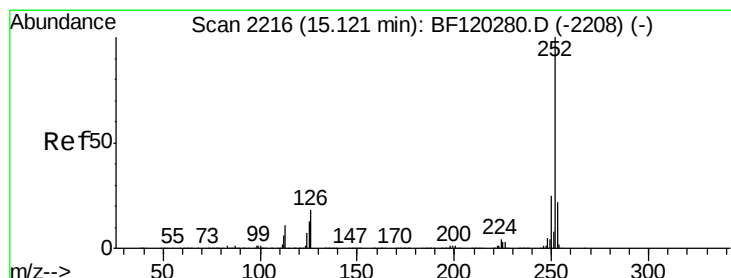
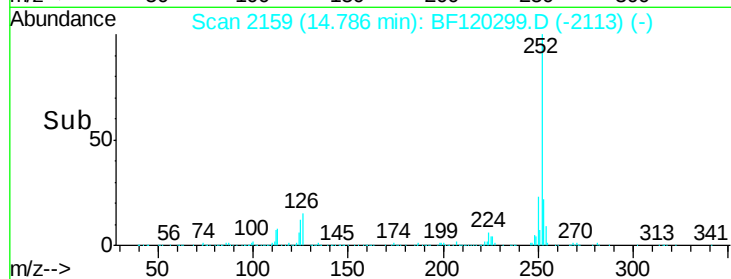
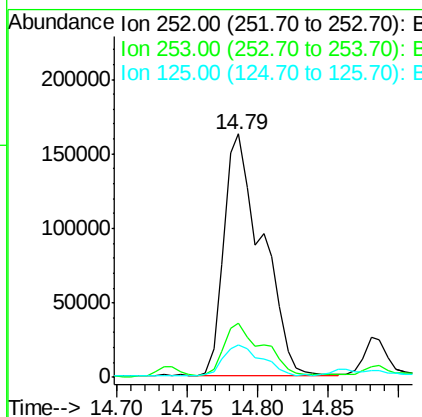
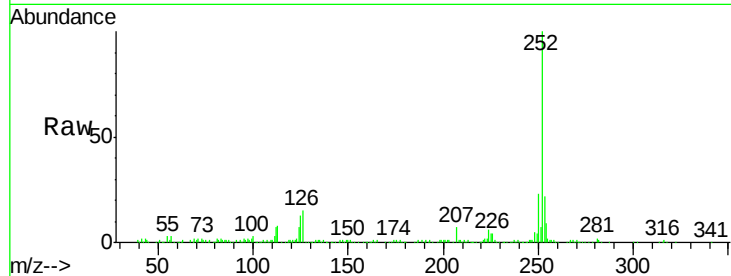




#89
Benzo(k)fluoranthene
Concen: 8.006 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

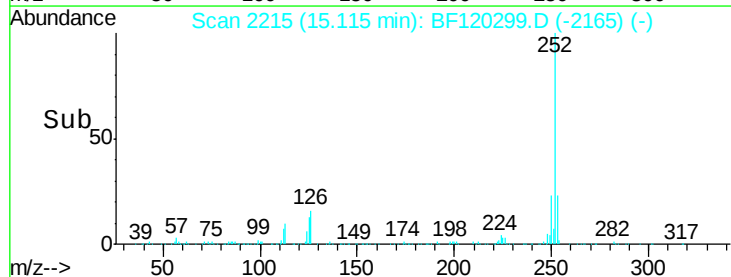
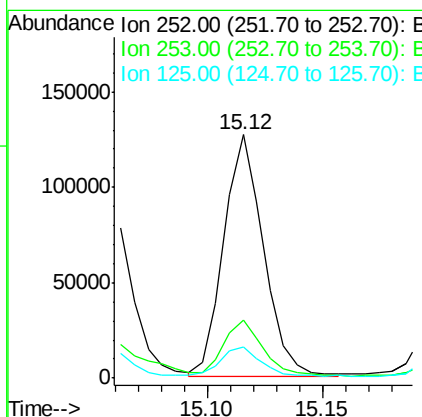
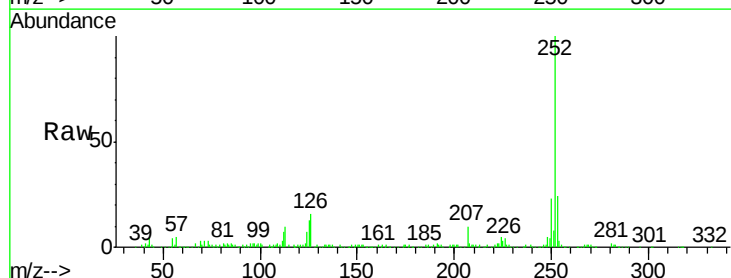
Instrument :
BNA_F
ClientSampleId :

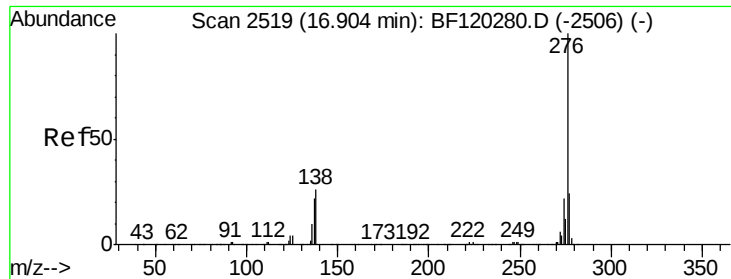
Tot Ion:252 Resp: 309027
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 13.1 9.9 14.9



#90
Benzo(a)pyrene
Concen: 3.806 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF120299.D
Acq: 14 May 2020 19:10

Tgt Ion:252 Resp: 152064
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.9 10.6 16.0





#92
 Benzo(a,h,i)perylene
 Concen: 2.566 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BF120299.D
 Acq: 14 May 2020 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.1	28.7
138	26.9	20.8	31.2

