

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120331.D
 Acq On : 15 May 2020 19:43
 Operator : MA/SJ
 Sample : L2663-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 00:15:17 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	6.62	152	297934	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1200678	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	658118	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1141183	20.00	ng	0.00
76) Chrysene-d12	13.77	240	726150	20.00	ng	0.00
87) Perylene-d12	15.16	264	586080	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1240152	80.99	ng	0.00
7) Phenol-d6	6.26	99	1635386	84.46	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1009854	57.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	428517	79.86	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2068592	64.58	ng	0.00
79) Terphenyl-d14	12.72	244	2080344	63.29	ng	0.00

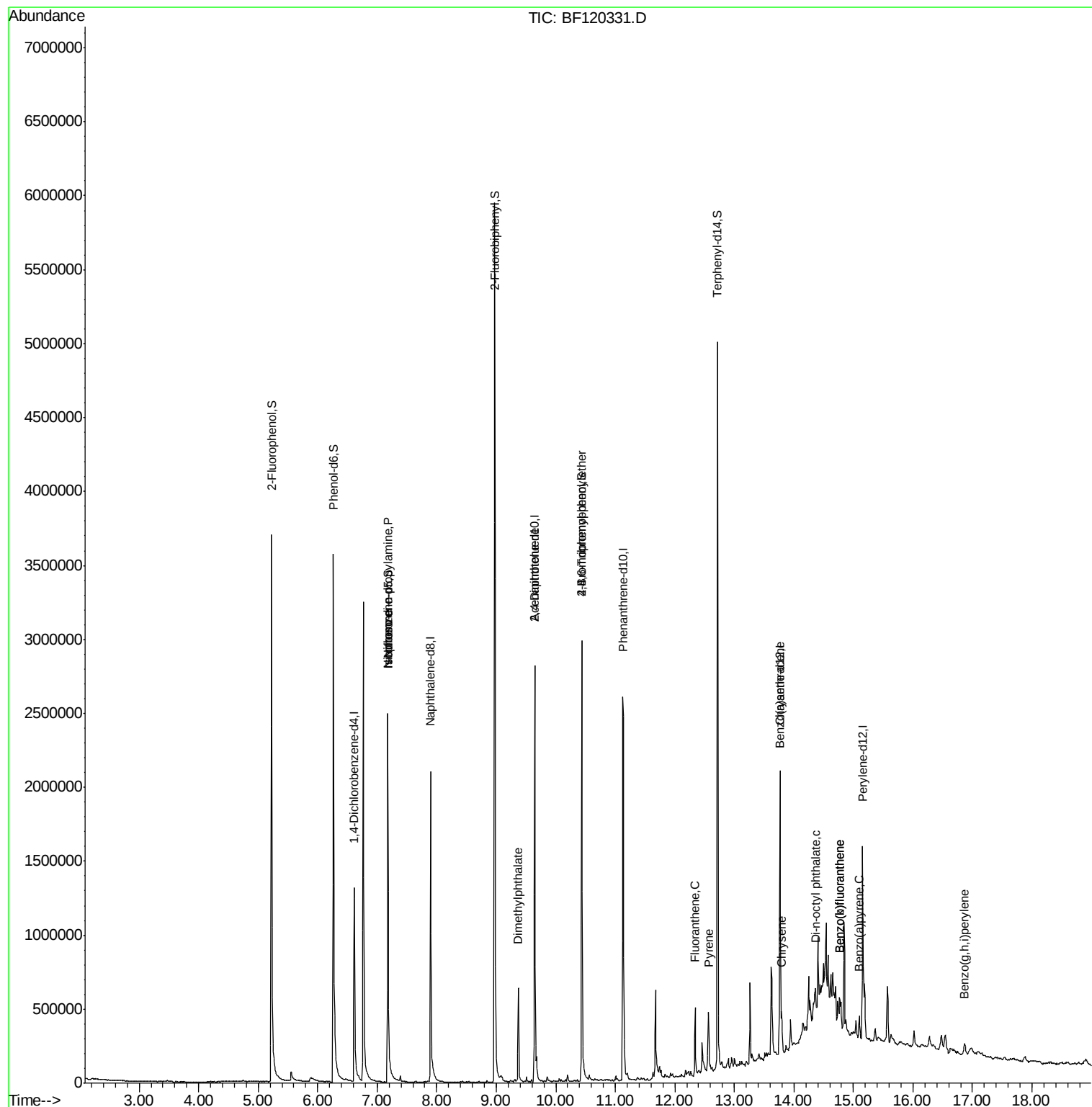
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	123525	9.737	ng	# 81
25) Isophorone	7.18	82	1009849	27.676	ng	# 65
50) Dimethylphthalate	9.37	163	312328	7.507	ng	98
57) 2,4-Dinitrotoluene	9.65	165	85443	7.845	ng	# 16
67) 4-Bromophenyl-phenylether	10.44	248	26819	2.422	ng	# 1
75) Fluoranthene	12.34	202	207868	4.044	ng	96
78) Pyrene	12.57	202	190689	3.684	ng	97
81) Benzo(a)anthracene	13.76	228	99608	2.601	ng	99
83) Chrysene	13.79	228	95544	2.323	ng	96
85) Di-n-octyl phthalate	14.36	149	156677	2.872	ng	# 61
88) Benzo(b)fluoranthene	14.77	252	149171	4.661	ng	# 95
89) Benzo(k)fluoranthene	14.77	252	149171	5.379	ng	# 94
90) Benzo(a)pyrene	15.10	252	76944	2.681	ng	# 90
92) Benzo(a,h,i)perylene	16.87	276	52883	2.062	ng	99

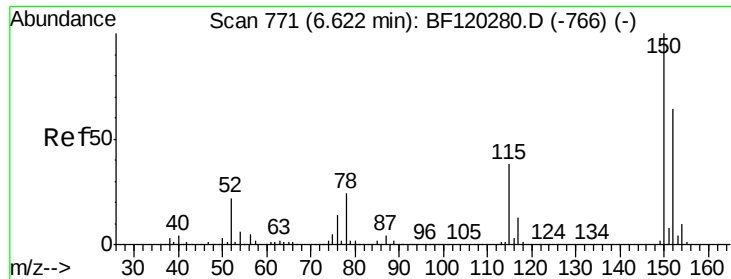
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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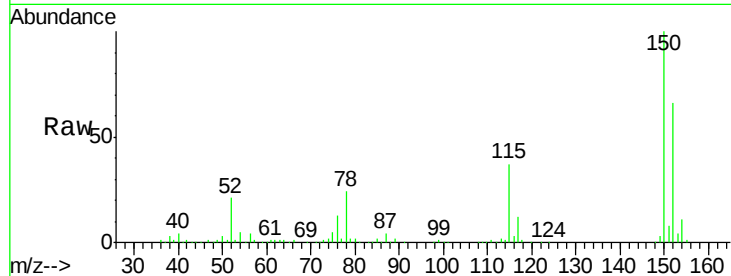


#1

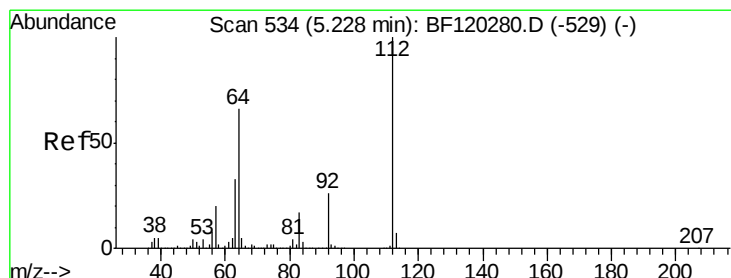
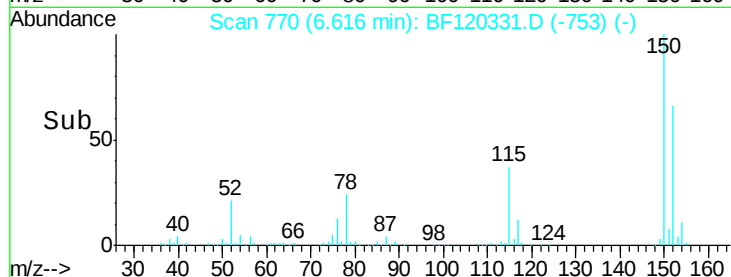
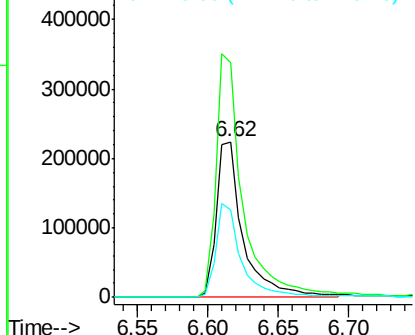
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 297934
Ion Ratio Lower Upper
152 100
150 151.3 126.2 189.2
115 56.2 47.9 71.9



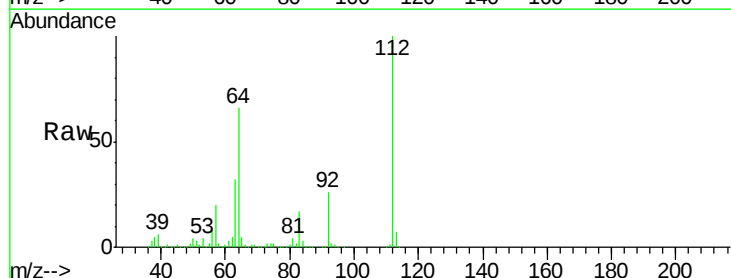
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



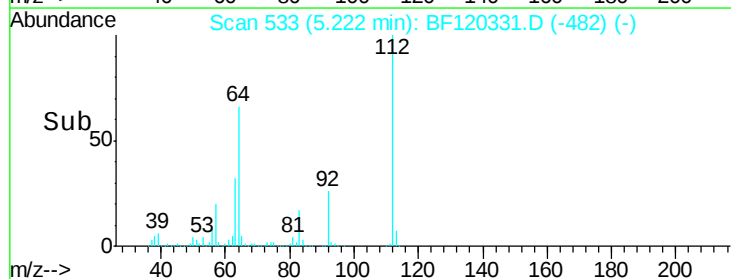
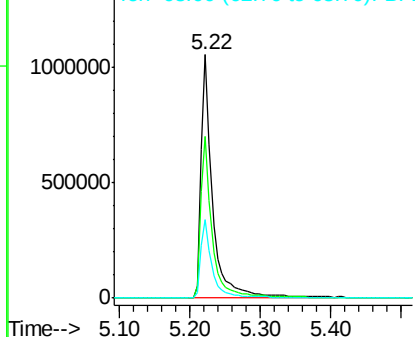
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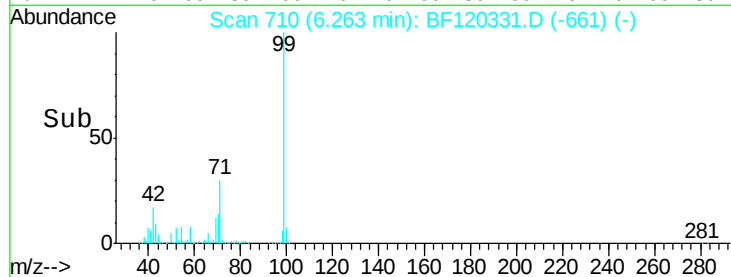
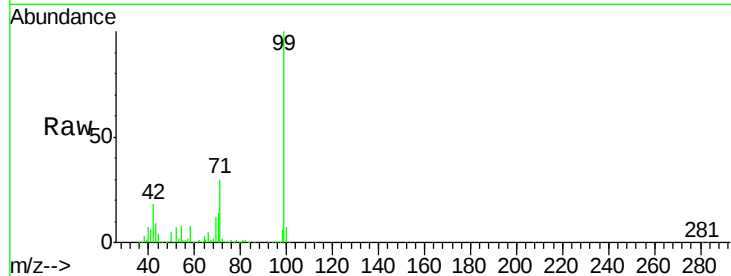
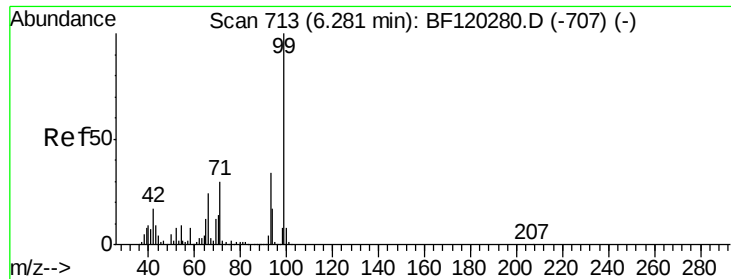
2-Fluorophenol
Concen: 80.990 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion:112 Resp: 1240152
Ion Ratio Lower Upper
112 100
64 66.5 52.7 79.1
63 32.2 26.2 39.4



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: 84.455 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

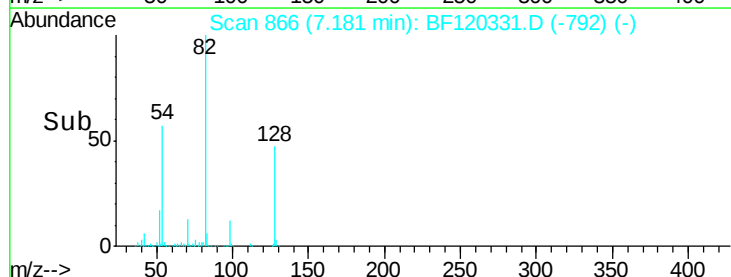
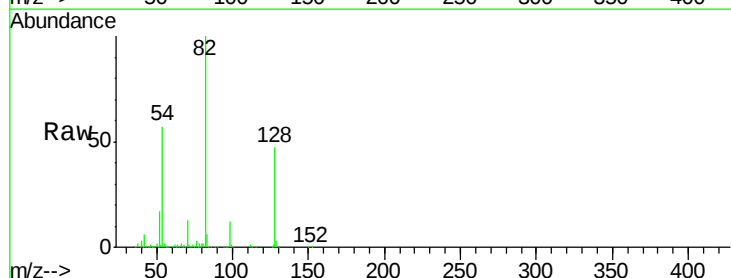
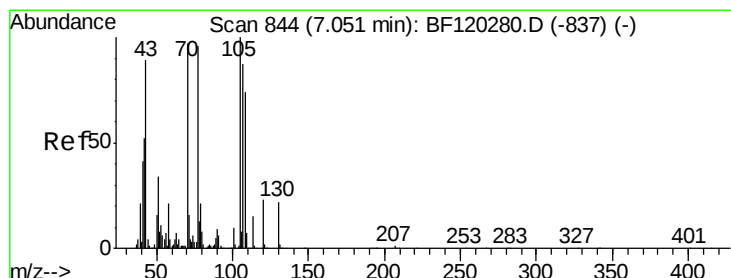
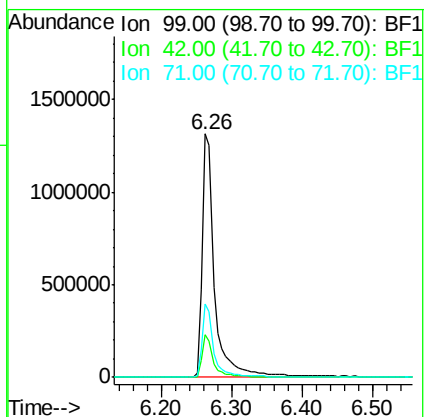
Tot Ion: 99 Resp: 1635386

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

71 30.2 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 9.737 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.14 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Tgt Ion: 70 Resp: 123525

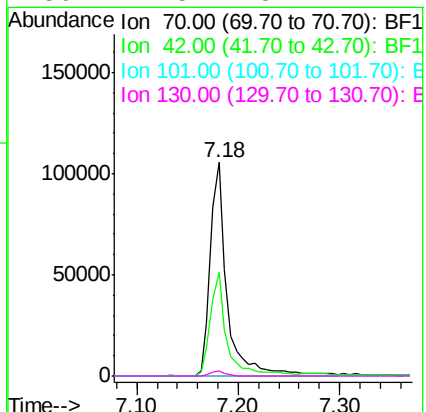
Ion Ratio Lower Upper

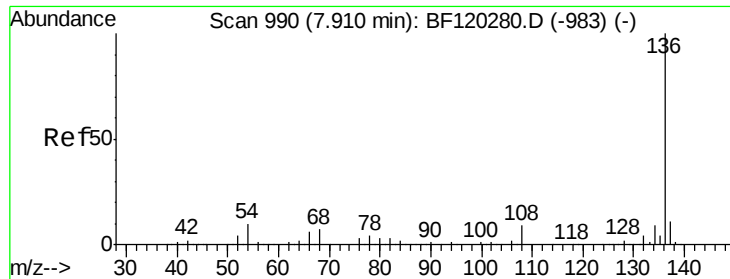
70 100

42 48.3 43.4 65.0

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

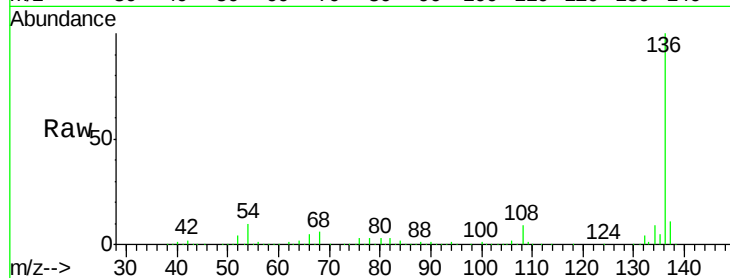




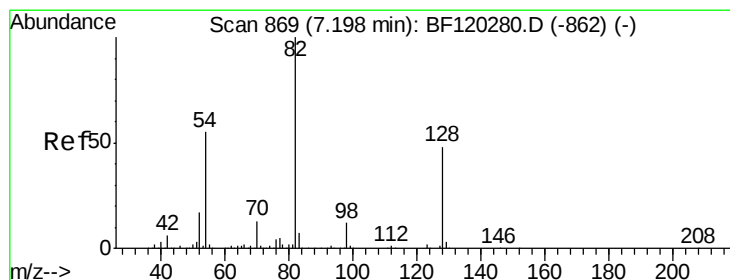
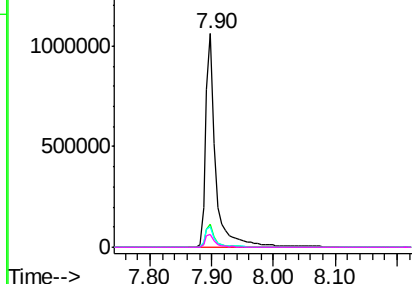
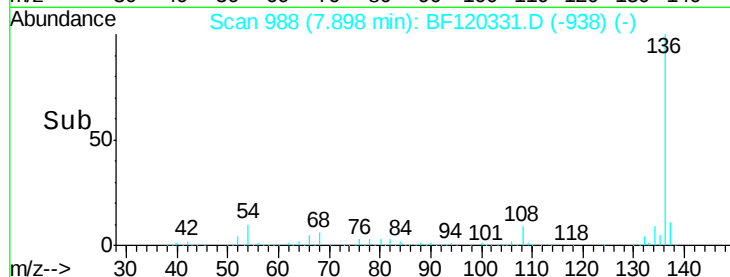
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	1200678
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.7	7.9	11.9
68	6.2	5.4	8.2

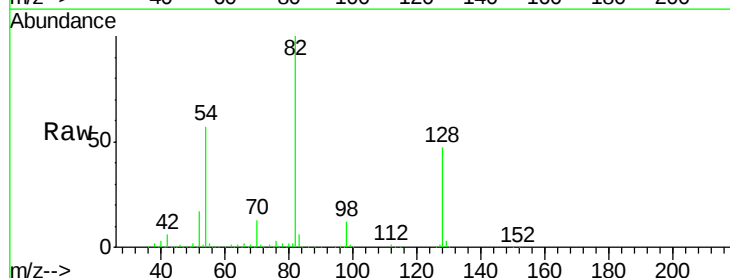


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

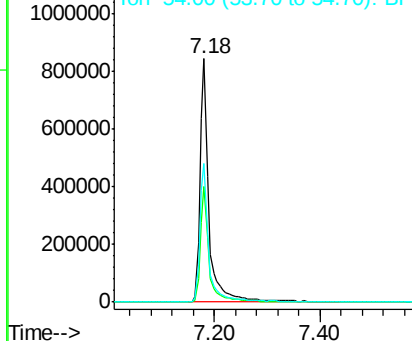
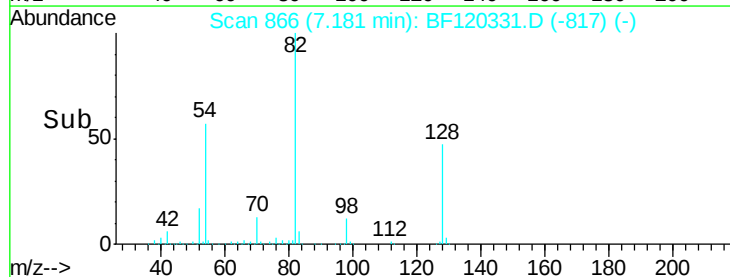


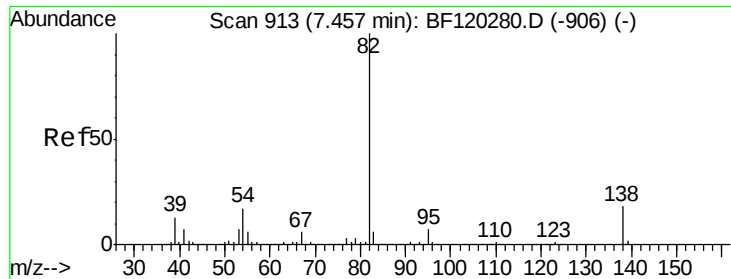
#23
Nitrobenzene-d5
Concen: 57.585 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion:	82	Resp:	1009854
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.3	57.5
54	57.1	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

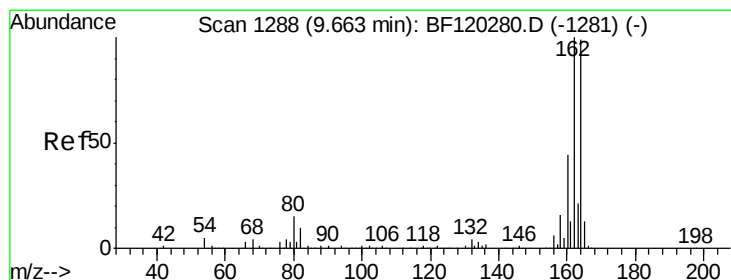
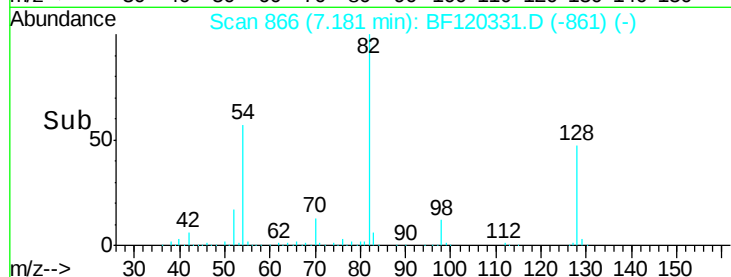
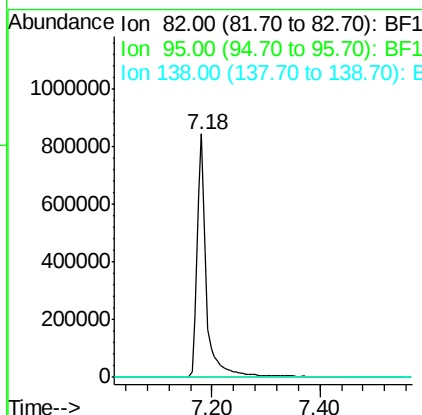
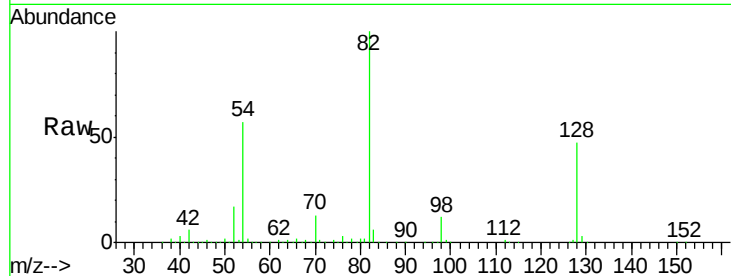




#25
Isophorone
Concen: 27.676 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.27 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

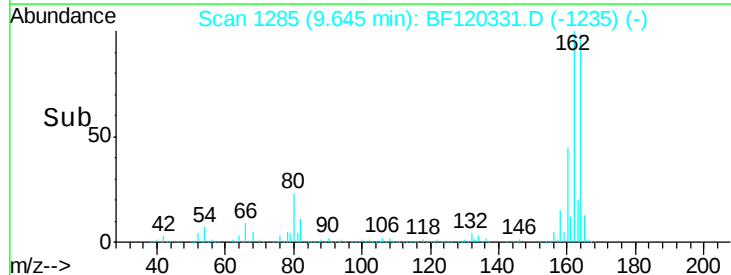
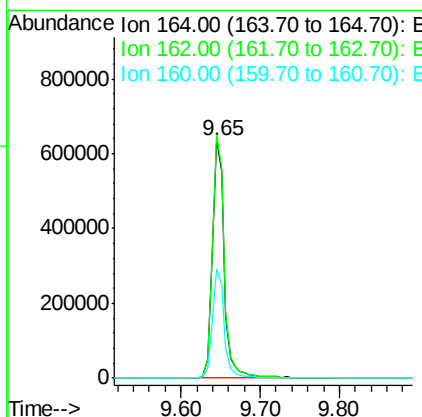
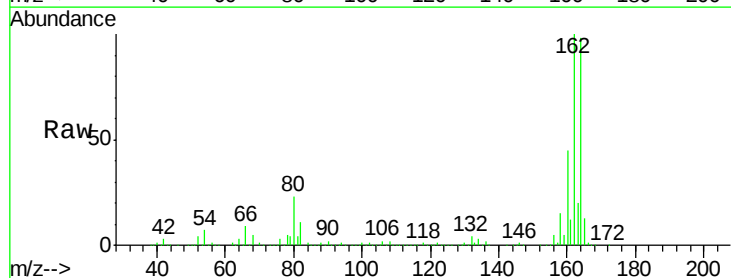
Instrument :
BNA_F
ClientSampleId :

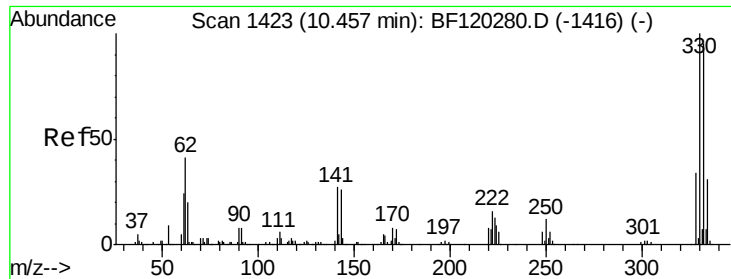
Tot Ion: 82 Resp: 1009849
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion:164 Resp: 658118
Ion Ratio Lower Upper
164 100
162 102.2 81.2 121.8
160 45.8 35.8 53.6

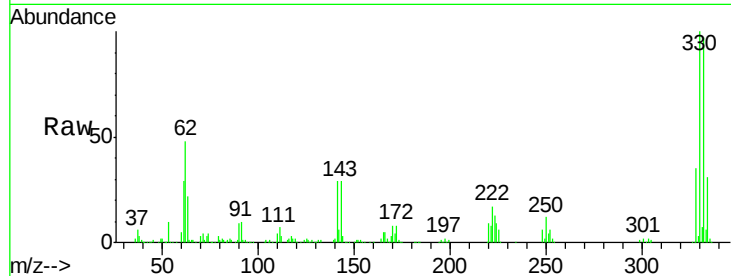




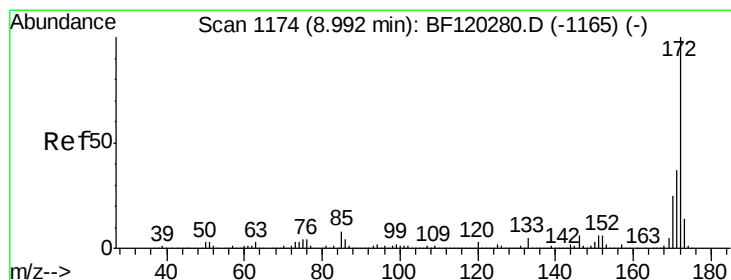
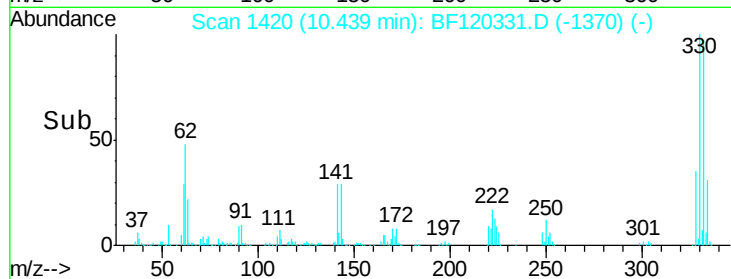
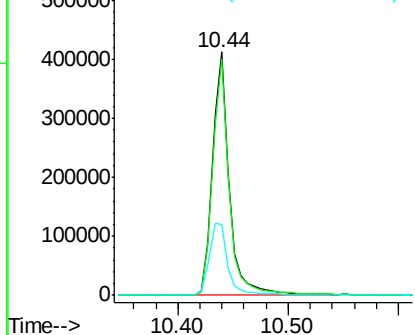
#42
 2,4,6-Tribromophenol
 Concen: 79.859 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120331.D
 Acq: 15 May 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.5	114.7
141	32.9	25.4	38.0

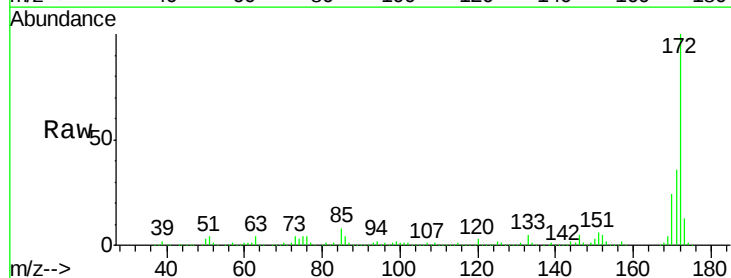


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

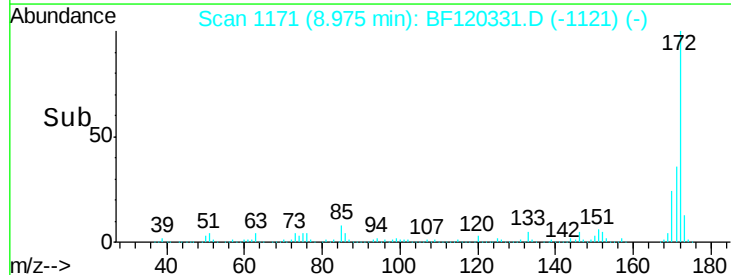
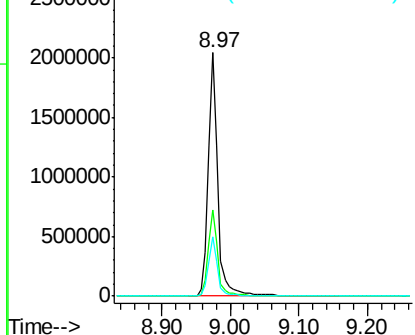


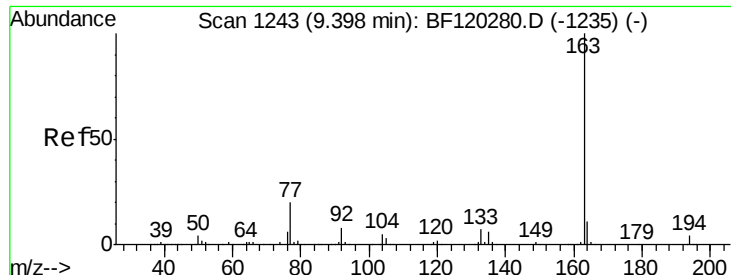
#45
 2-Fluorobiphenyl
 Concen: 64.576 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120331.D
 Acq: 15 May 2020 19:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.2	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

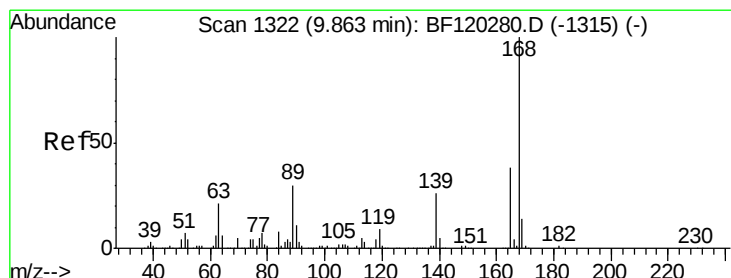
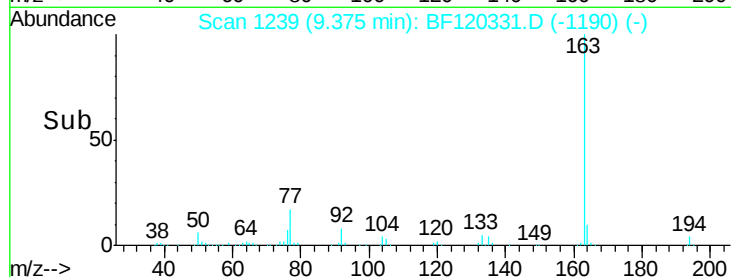
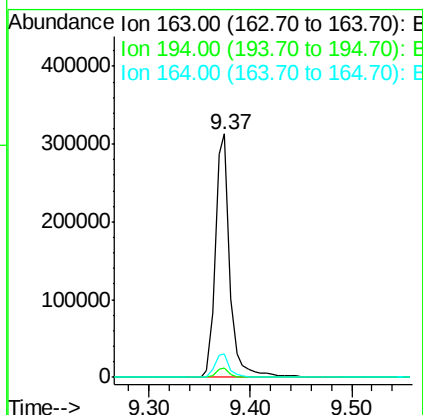
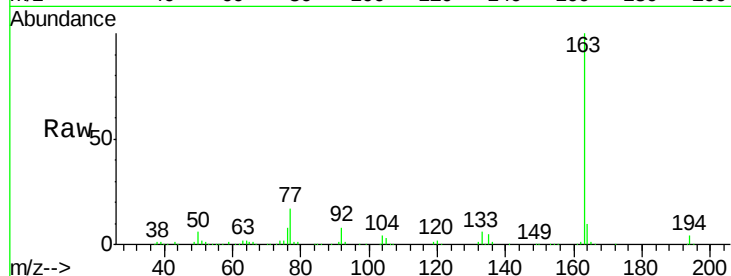




#50
Dimethylphthalate
Concen: 7.507 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

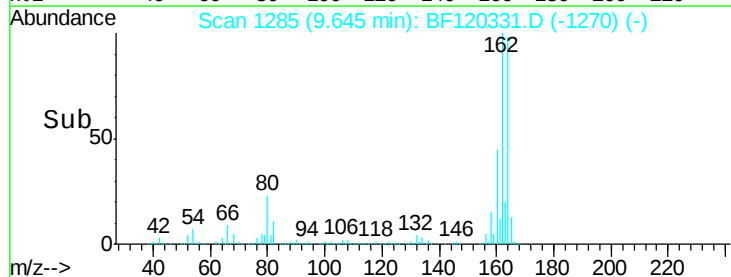
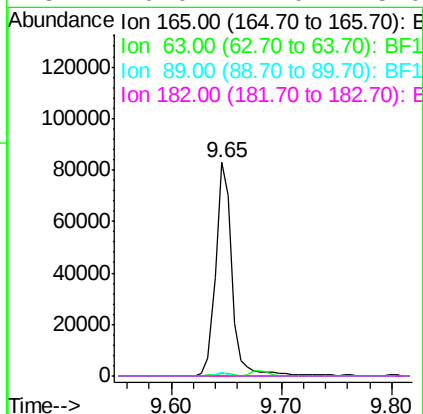
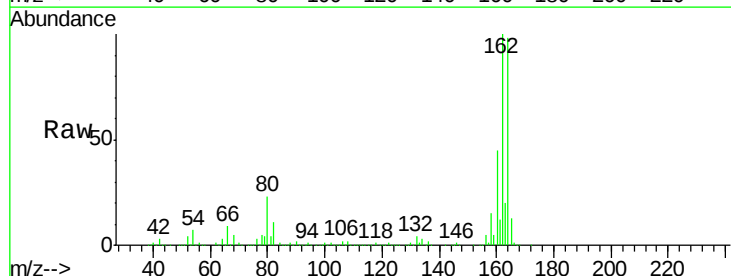
Instrument :
BNA_F
ClientSampleId :

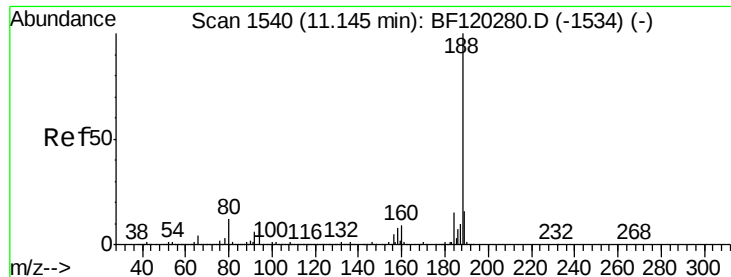
Tot Ion:	163	Resp:	312328
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.8	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 7.845 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.21 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion:	165	Resp:	85443
Ion	Ratio	Lower	Upper
165	100		
63	1.4	51.8	77.8#
89	1.5	64.2	96.4#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.13 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

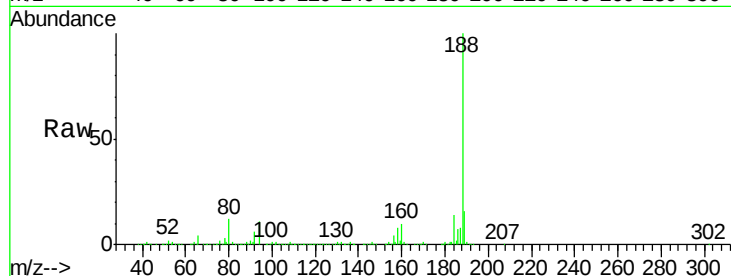
Tot Ion:188 Resp: 1141183

Ion Ratio Lower Upper

188 100

94 11.5 8.6 13.0

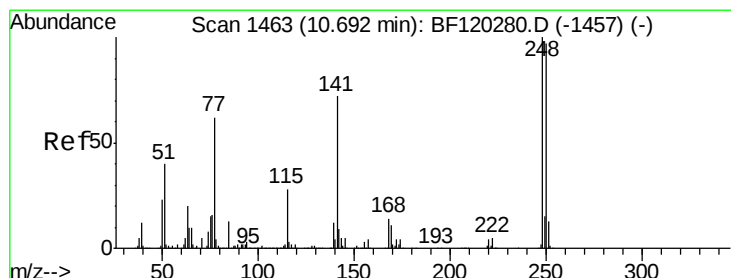
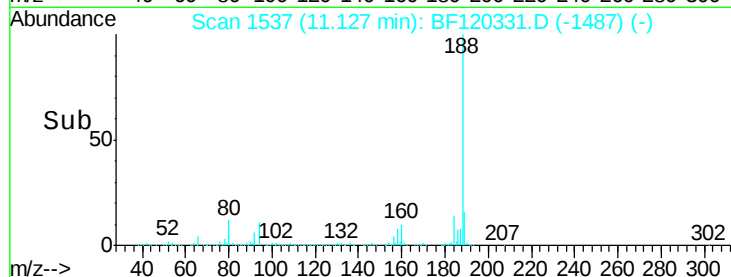
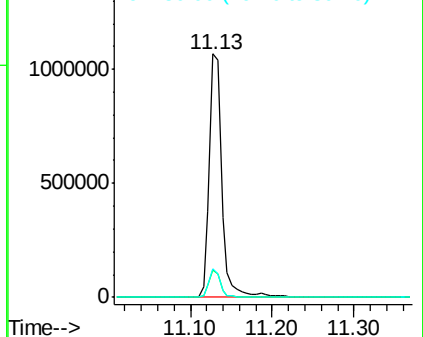
80 12.0 9.2 13.8



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: 2.422 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.25 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

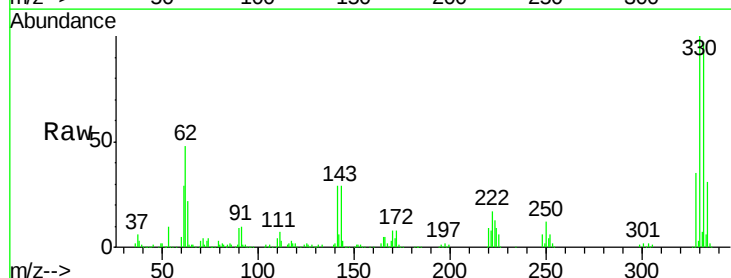
Tgt Ion:248 Resp: 26819

Ion Ratio Lower Upper

248 100

250 194.7 77.8 116.6#

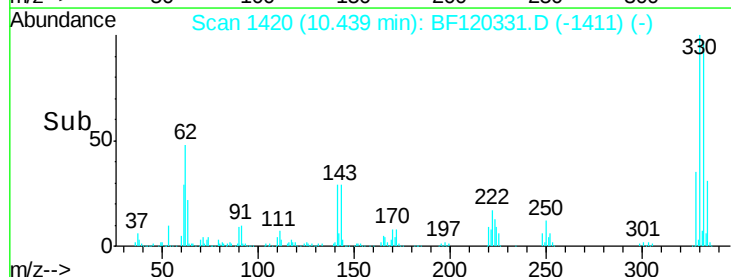
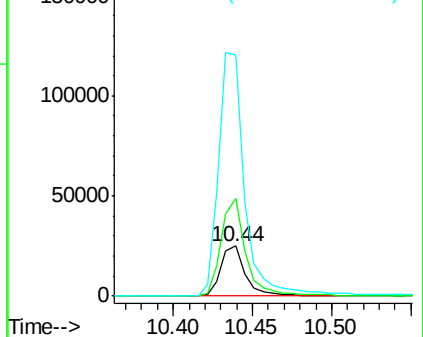
141 481.1 57.7 86.5#

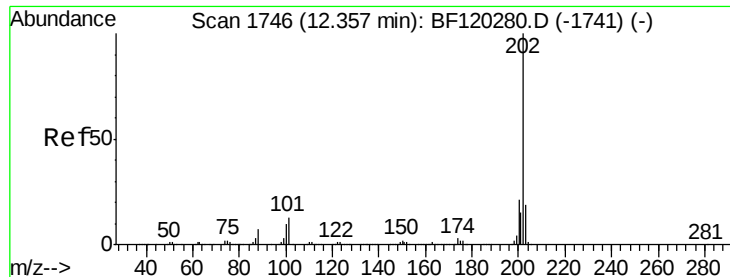


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 4.044 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

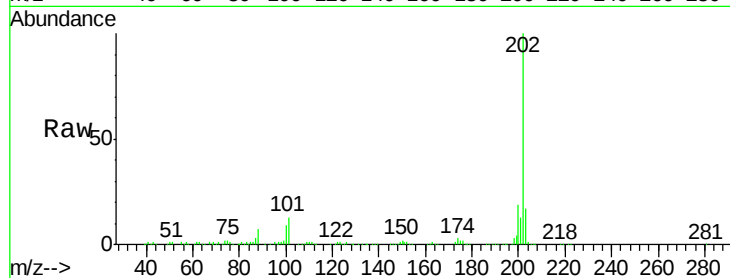
Tot Ion:202 Resp: 207868

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

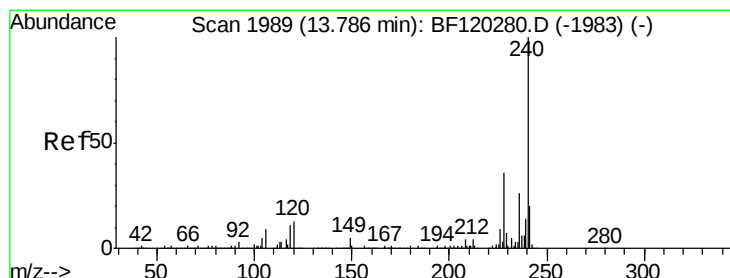
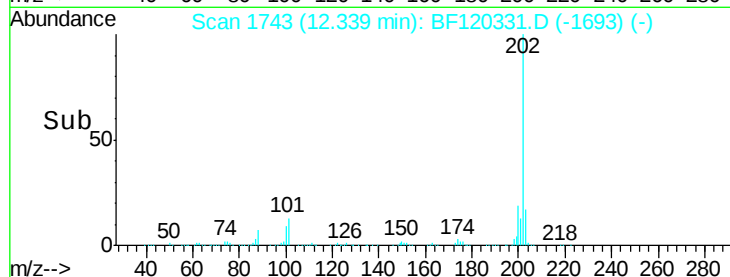
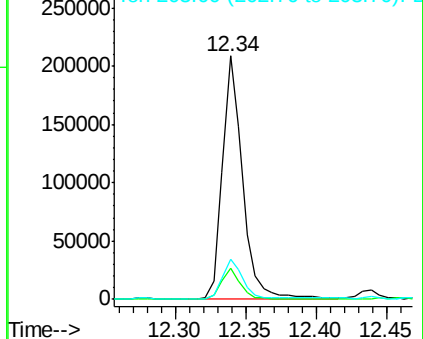
203 16.5 0.0 39.1



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

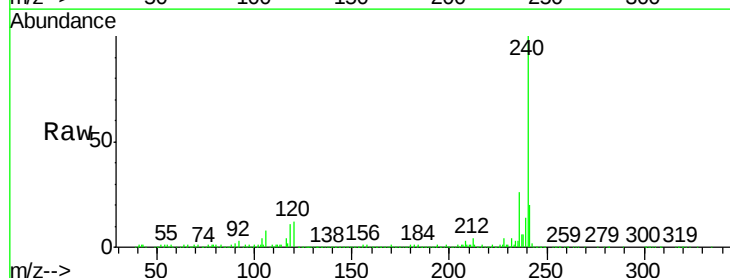
Tgt Ion:240 Resp: 726150

Ion Ratio Lower Upper

240 100

120 12.5 10.4 15.6

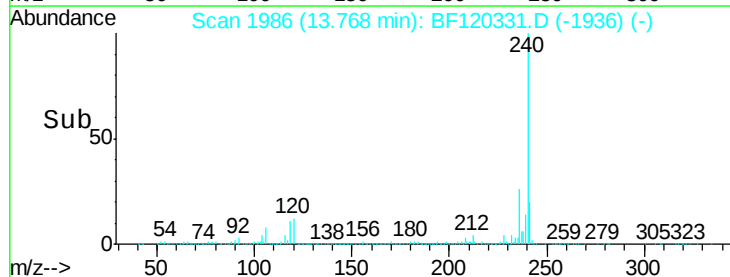
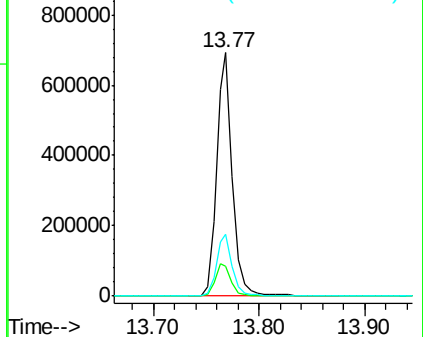
236 25.6 21.0 31.6

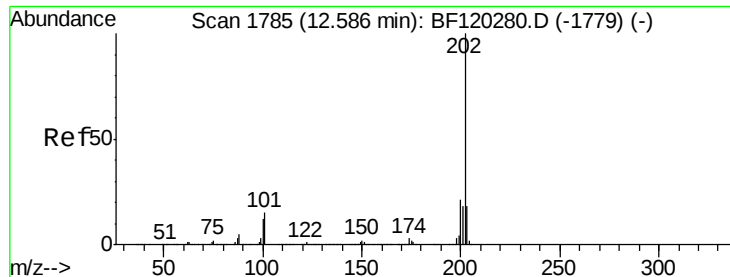


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.684 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

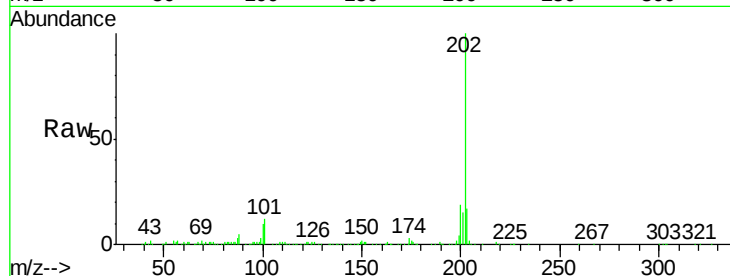
Tot Ion:202 Resp: 190689

Ion Ratio Lower Upper

202 100

200 19.0 16.6 25.0

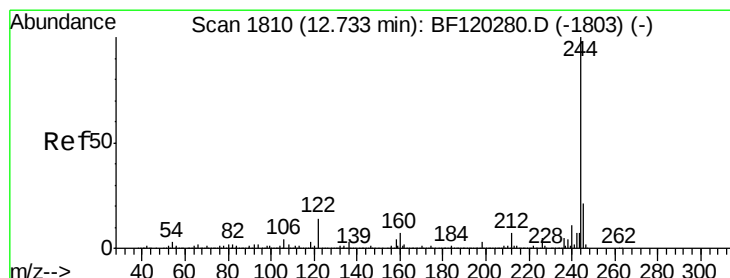
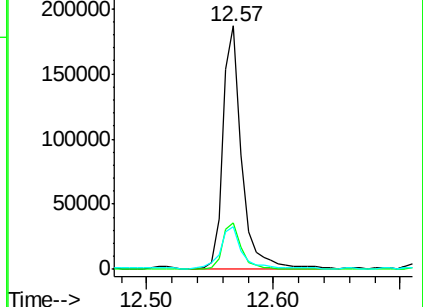
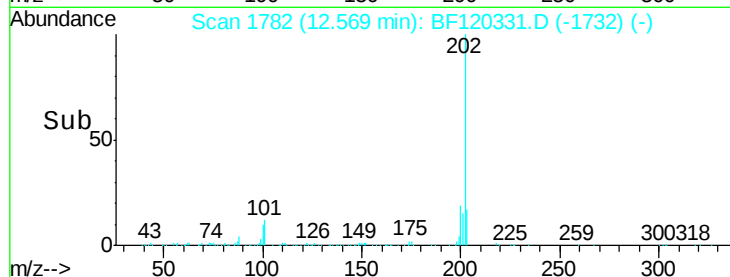
203 17.4 14.6 22.0



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: 63.292 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

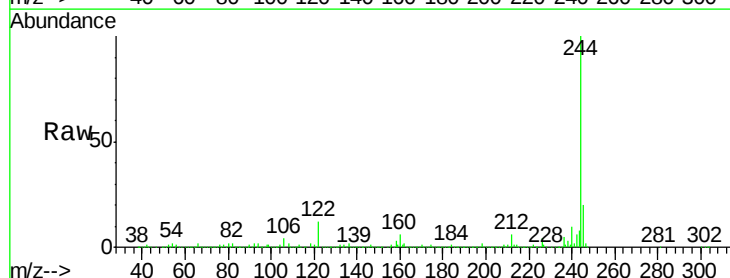
Tgt Ion:244 Resp: 2080344

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

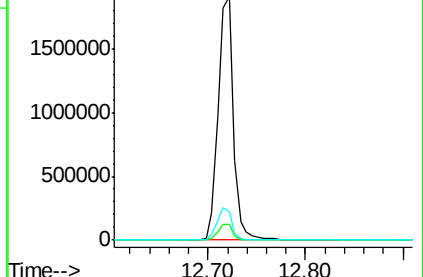
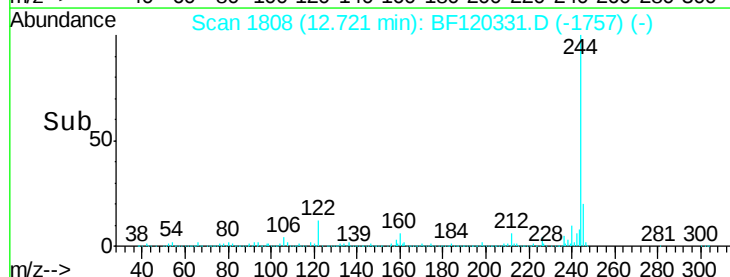
122 11.5 10.8 16.2

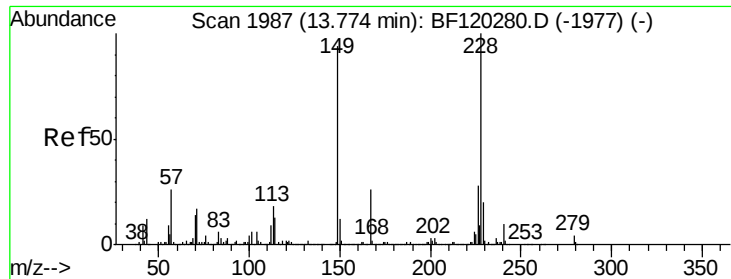


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.601 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120331.D

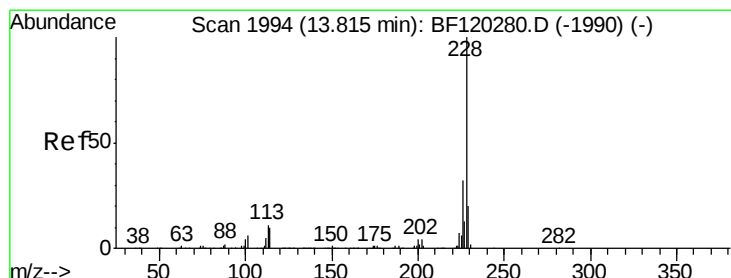
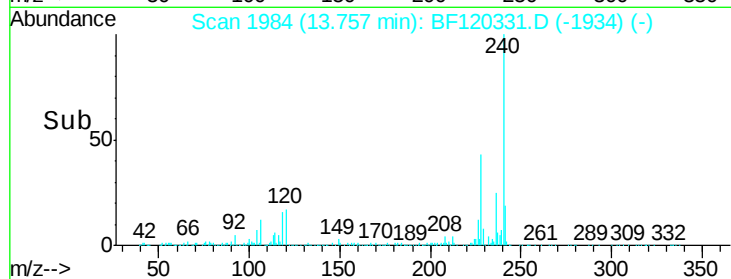
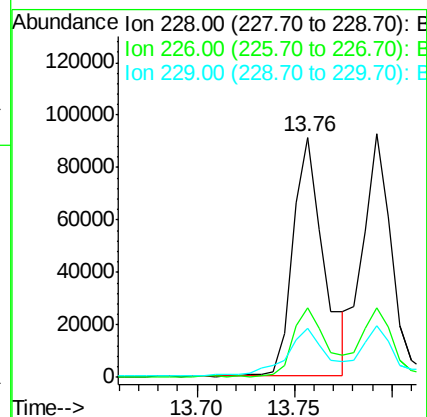
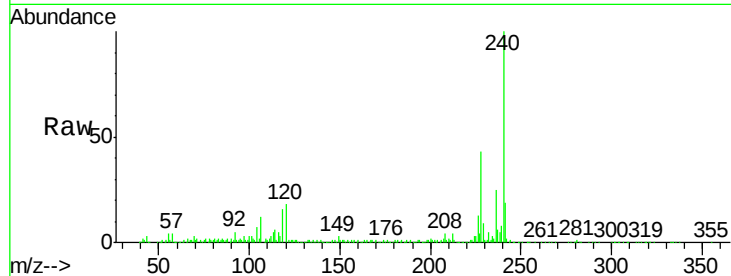
Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	99608
Ion Ratio	Lower	Upper
228	100	
226	29.1	22.6 33.8
229	20.2	16.4 24.6



#83

Chrysene

Concen: 2.323 ng

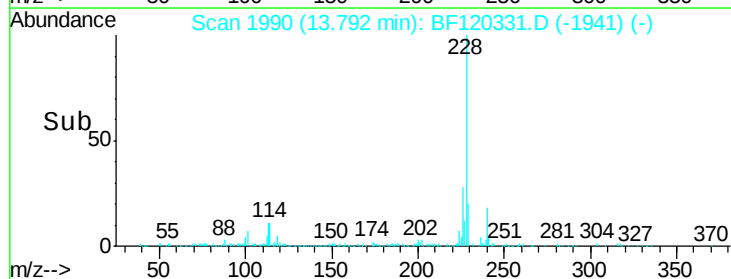
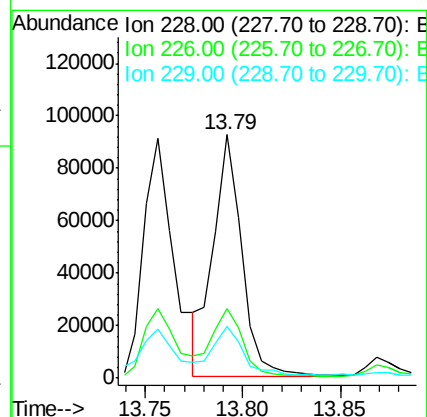
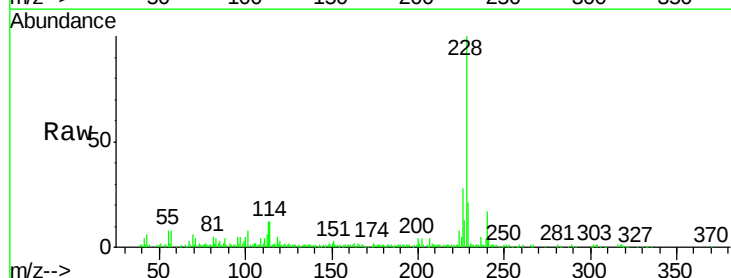
RT: 13.79 min Scan# 1990

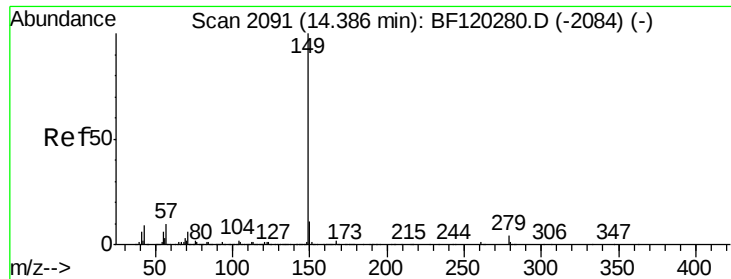
Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Tgt Ion:228	Resp:	95544
Ion Ratio	Lower	Upper
228	100	
226	28.4	25.0 37.6
229	21.1	16.2 24.4





#85

Di-n-octyl phthalate

Concen: 2.872 ng

RT: 14.36 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampled :

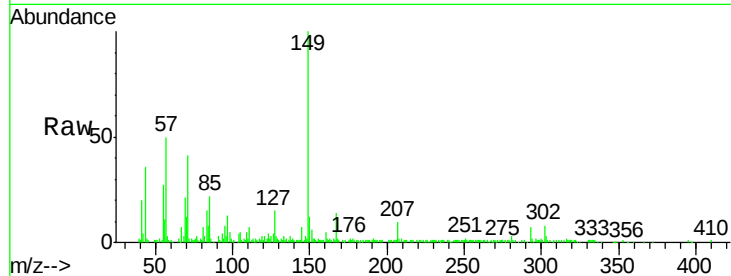
Tot Ion:149 Resp: 156677

Ion Ratio Lower Upper

149 100

167 4.7 1.3 1.9#

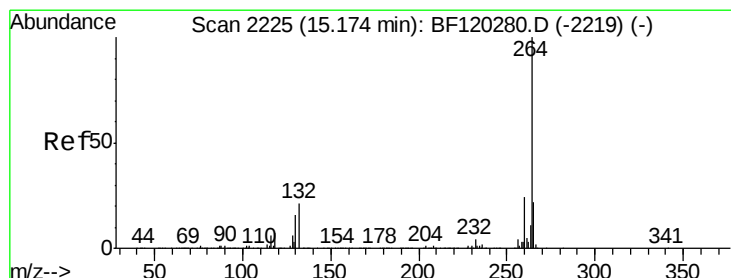
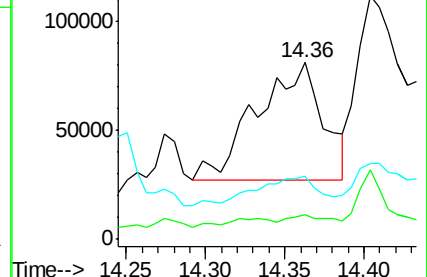
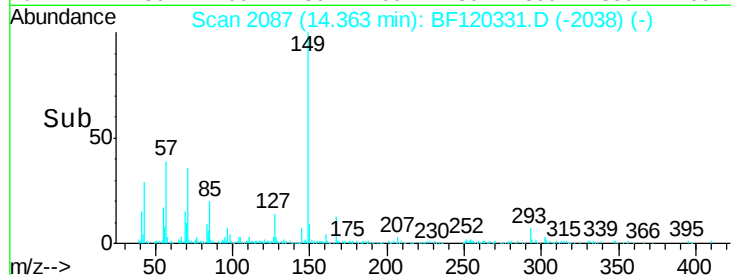
43 25.4 7.5 11.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

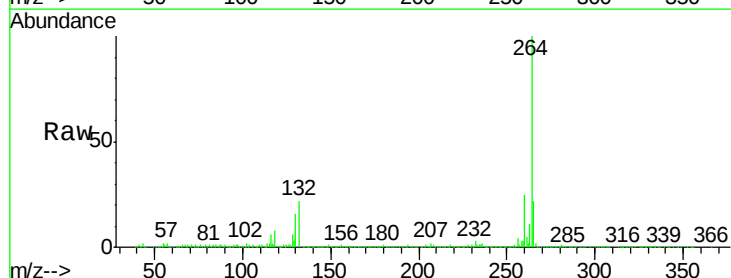
Tgt Ion:264 Resp: 586080

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

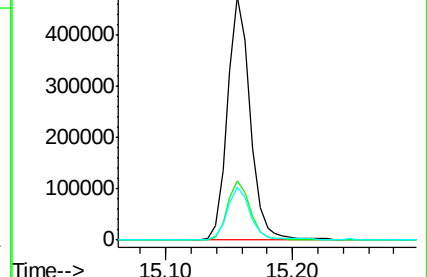
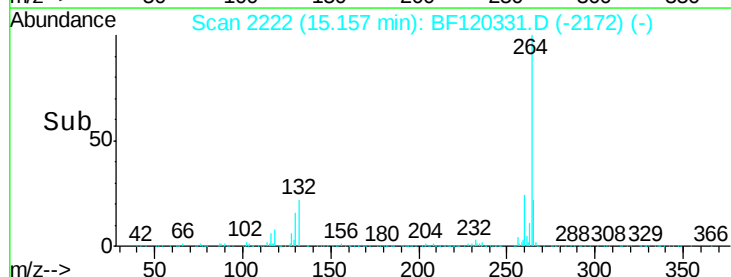
265 22.0 17.5 26.3

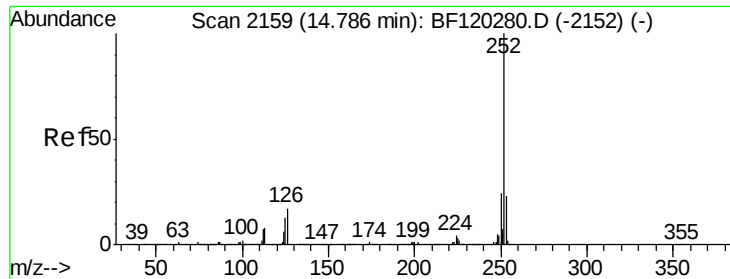


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

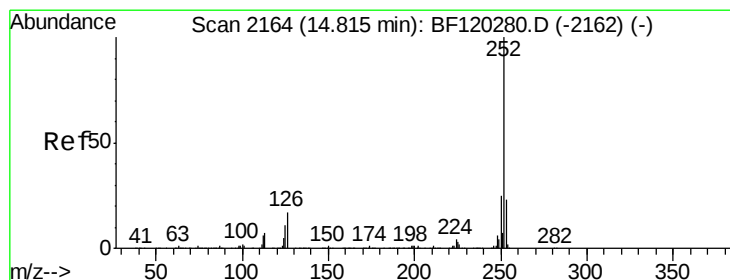
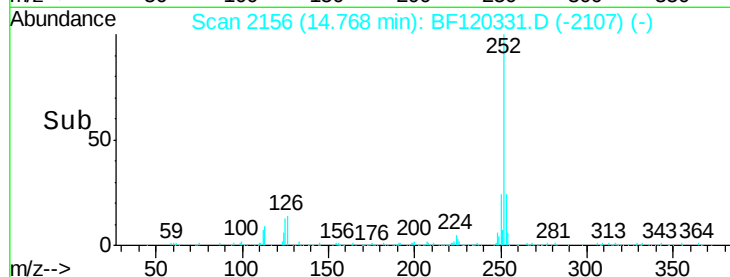
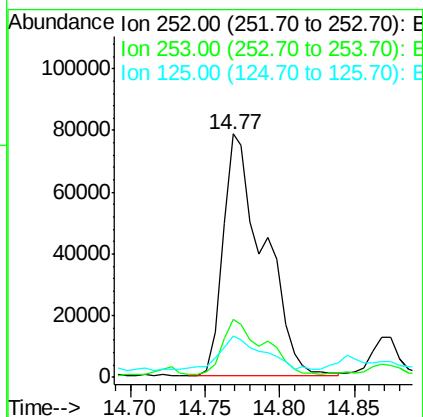
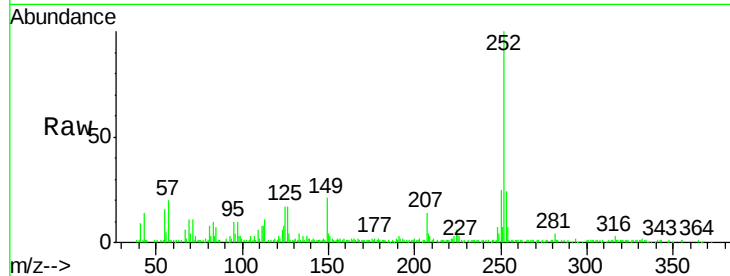




#88
Benzo(b)fluoranthene
Concen: 4.661 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

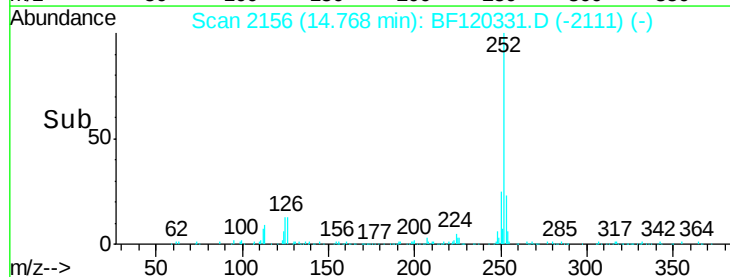
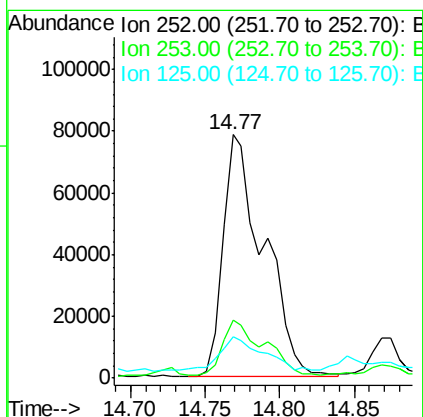
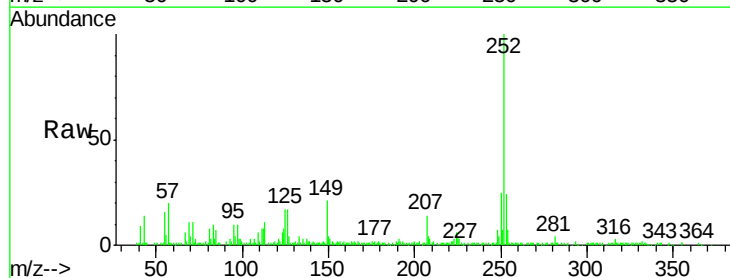
Instrument :
BNA_F
ClientSampled :

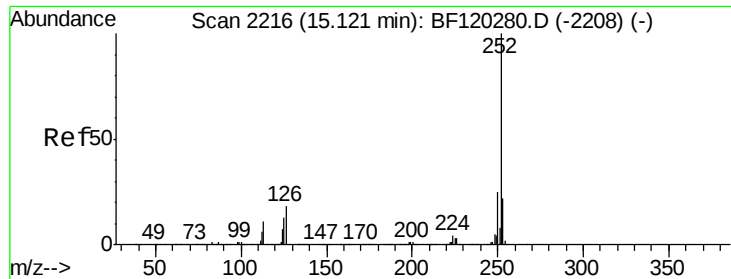
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	17.0	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 5.379 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	17.0	9.9	14.9

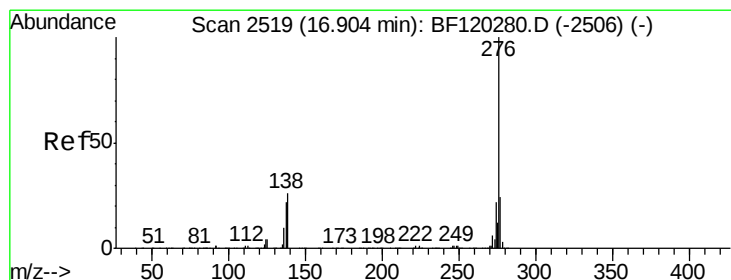
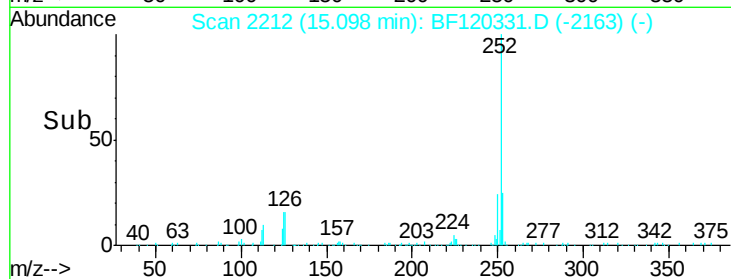
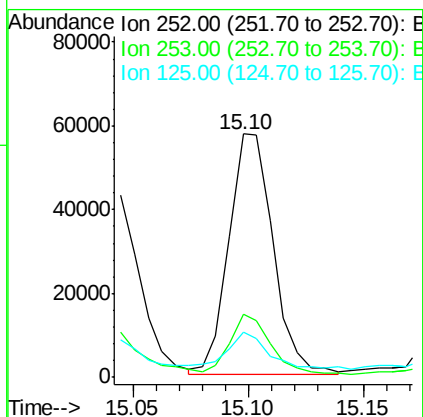
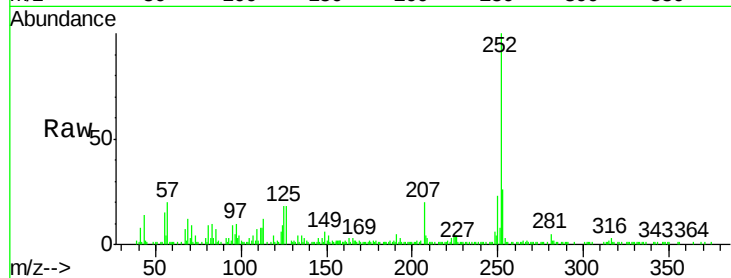




#90
Benzo(a)pyrene
Concen: 2.681 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.6	26.4
125	18.3	10.6	16.0



#92
Benzo(g,h,i)perylene
Concen: 2.062 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	25.6	20.8	31.2

