

Data Path : Z:\HPCHEM1\BNA_F\Data\BF111617\
 Data File : BF100631.D
 Acq On : 16 Nov 2017 15:31
 Operator : SJ/JU
 Sample : I6302-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

Quant Time: Nov 16 16:33:55 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 11:34:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	103271	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	394949	20.00	ng	-0.02
38) Acenaphthene-d10	9.92	164	172061	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	279138	20.00	ng	-0.02
75) Chrysene-d12	14.04	240	220501	20.00	ng	-0.03
86) Perylene-d12	15.52	264	257334	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	110088	17.09	ng	-0.02
7) Phenol-d6	6.49	99	167882	21.13	ng	-0.03
23) Nitrobenzene-d5	7.44	82	95900	16.05	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	27899	15.91	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	208979	18.49	ng	-0.03
78) Terphenyl-d14	12.98	244	134914	14.06	ng	-0.03

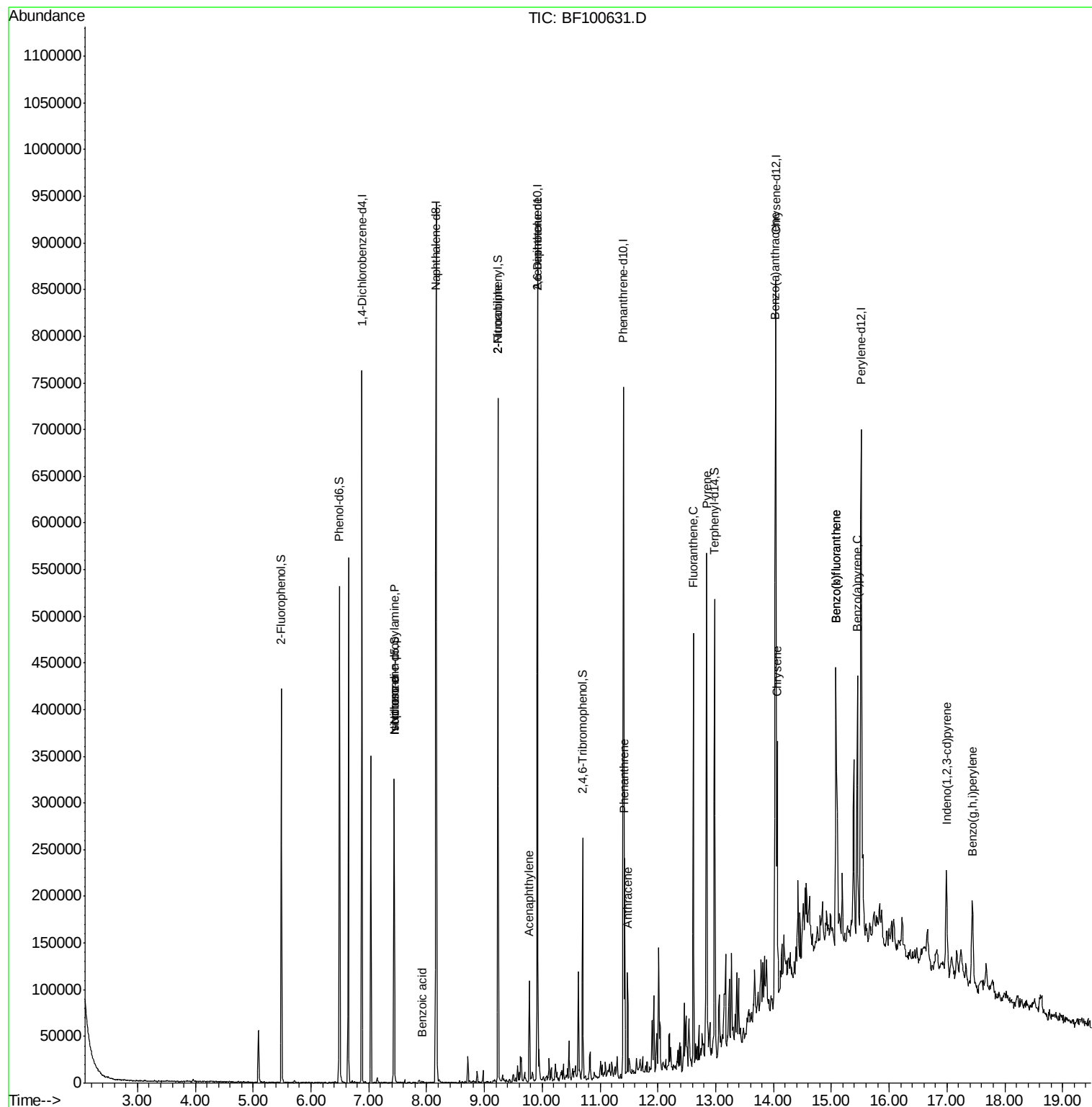
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	11768	2.136	ng	# 80
25) Isophorone	7.44	82	95898	7.639	ng	# 64
32) Benzoic acid	7.91	122	106	9.391	ng	# 50
47) 2-Nitroaniline	9.23	65	166	2.833	ng	# 13
48) Acenaphthylene	9.77	152	44078	2.464	ng	99
50) 2,6-Dinitrotoluene	9.92	165	21278	8.183	ng	# 25
70) Phenanthrene	11.42	178	86761	5.903	ng	97
71) Anthracene	11.47	178	40047	2.686	ng	97
74) Fluoranthene	12.62	202	183683	11.793	ng	95
77) Pyrene	12.85	202	225482	14.345	ng	98
80) Benzo(a)anthracene	14.03	228	121020	9.114	ng	93
82) Chrysene	14.06	228	101885	7.924	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	74482	7.161	ng	# 91
87) Benzo(b)fluoranthene	15.08	252	221086	14.502	ng	98
88) Benzo(k)fluoranthene	15.08	252	221086	15.348	ng	98
89) Benzo(a)pyrene	15.45	252	133119	9.849	ng	98
91) Benzo(g,h,i)perylene	17.44	276	71475	6.606	ng	95

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

Data Path : Z:\HPCHEM1\BNA_F\Data\BF111617\
Data File : BF100631.D
Acq On : 16 Nov 2017 15:31
Operator : SJ/JU
Sample : I6302-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-04-111317-B

Quant Time: Nov 16 16:33:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 16 11:34:03 2017
Response via : Initial Calibration



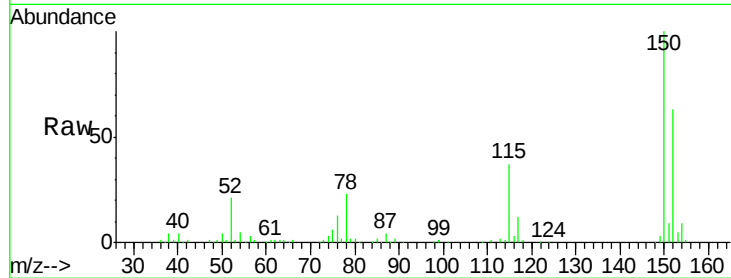


#1

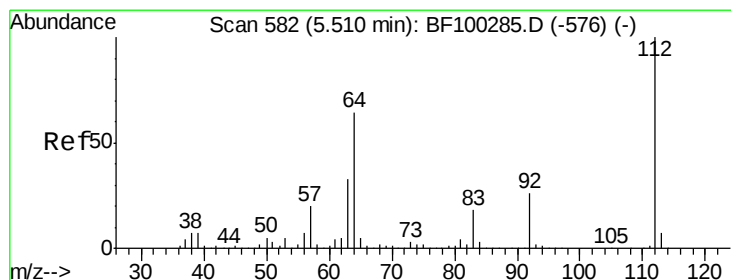
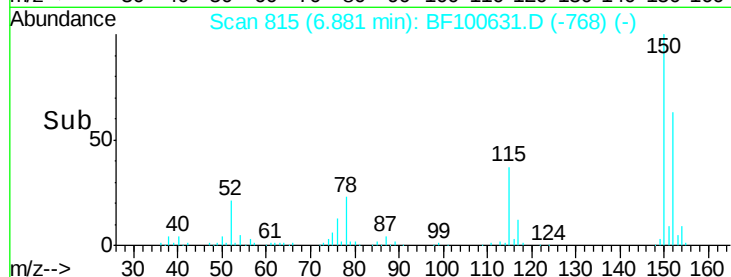
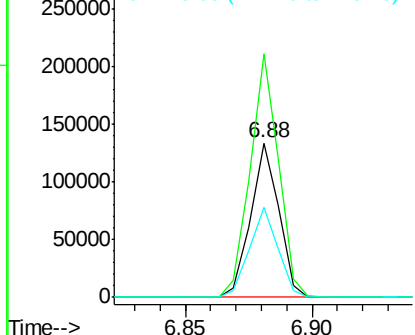
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

Tgt Ion:152 Resp: 103271
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 58.6 50.1 75.1



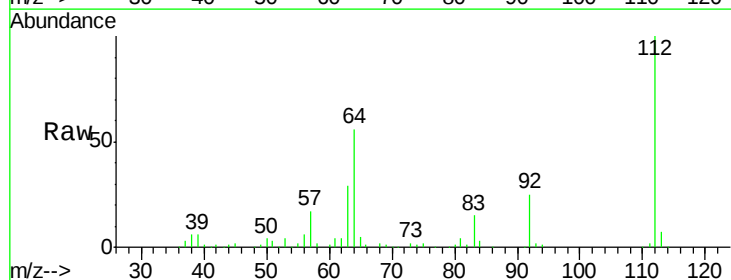
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



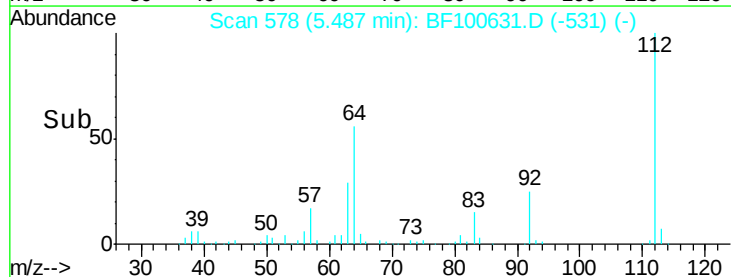
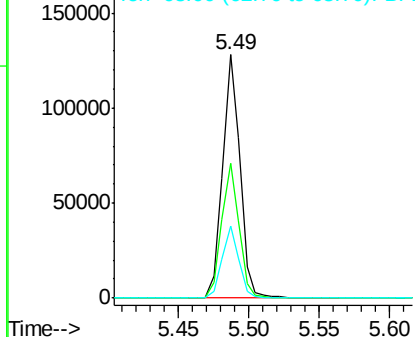
#5

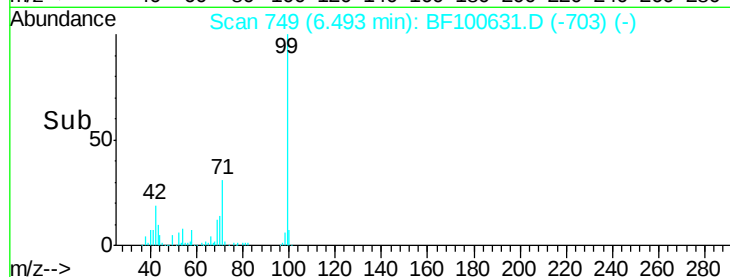
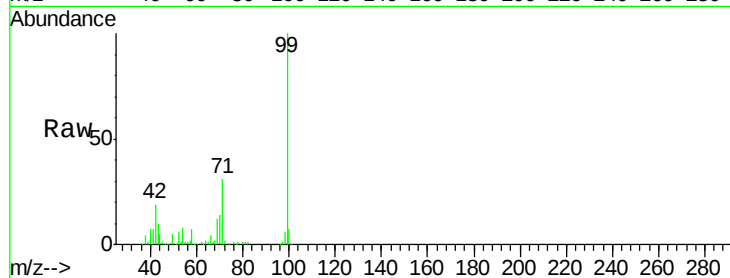
2-Fluorophenol
 Concen: 17.088 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Tgt Ion:112 Resp: 110088
 Ion Ratio Lower Upper
 112 100
 64 55.5 47.9 71.9
 63 29.4 23.7 35.5



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: 21.132 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

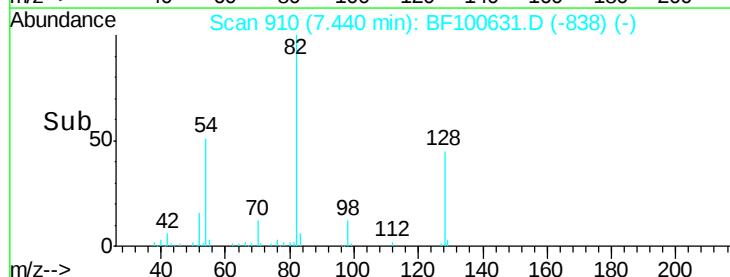
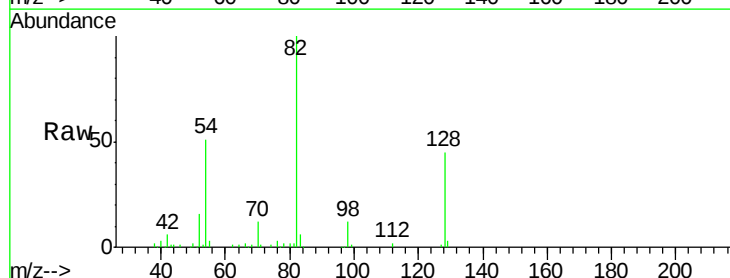
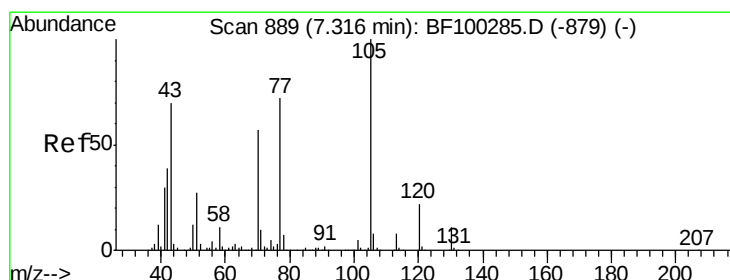
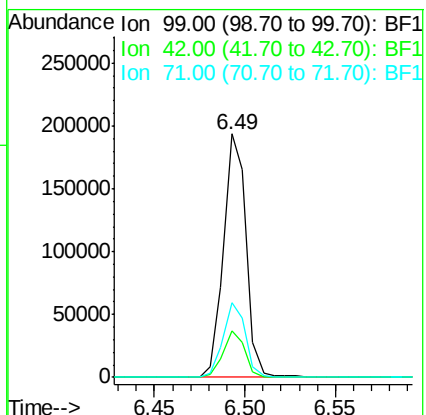
Tgt Ion: 99 Resp: 167882

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 30.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.136 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.12 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Tgt Ion: 70 Resp: 11768

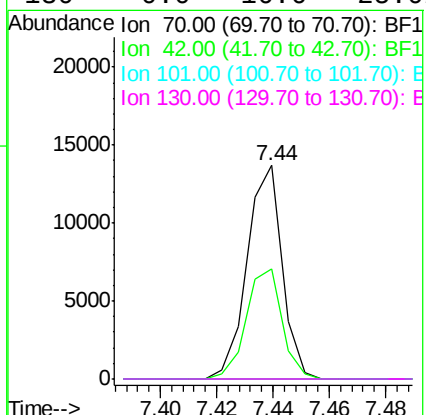
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

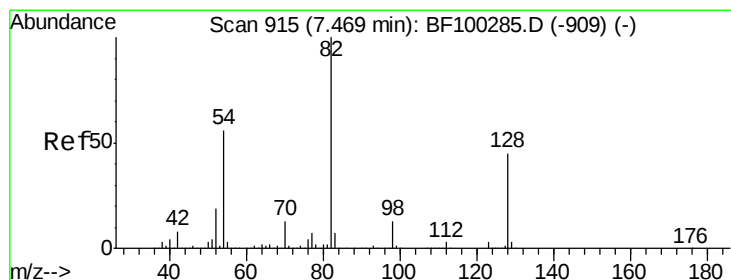
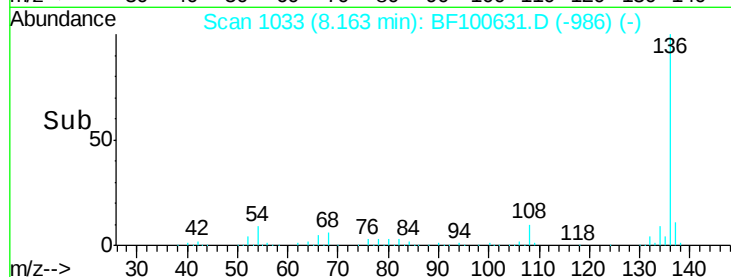
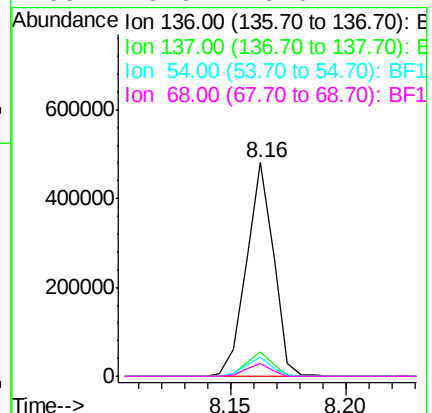
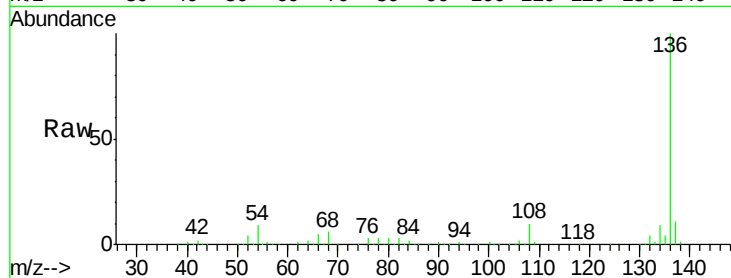




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

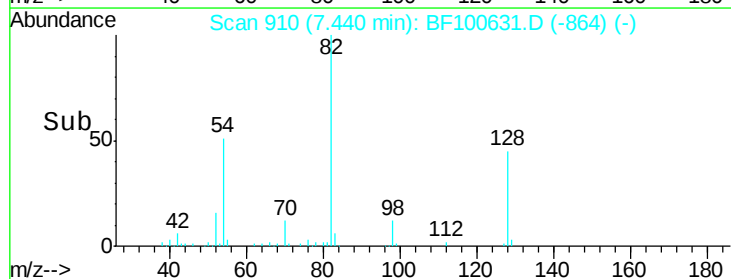
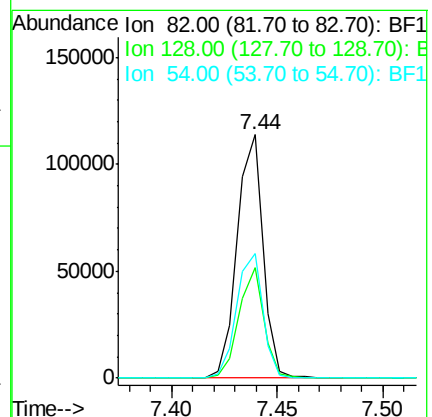
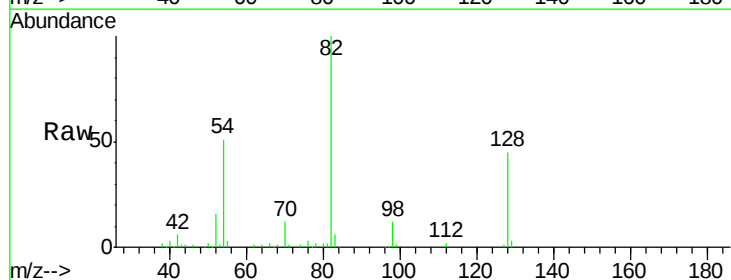
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-B

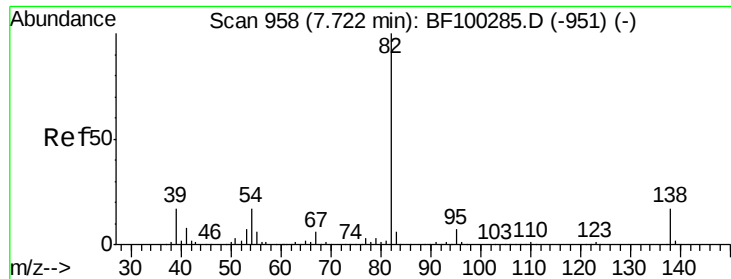
Tgt Ion:	136	Resp:	394949
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 16.053 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.03 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

Tgt Ion:	82	Resp:	95900
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	50.9	41.4	62.2





#25

Isophorone

Concen: 7.639 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.28 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

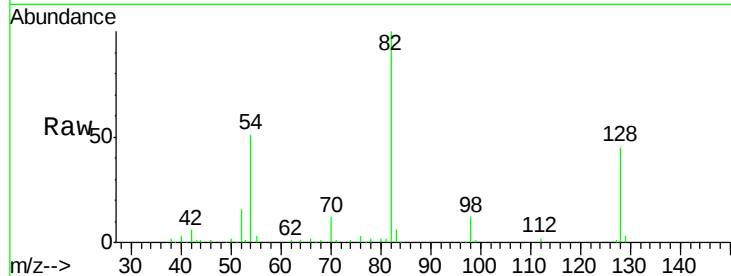
Tgt Ion: 82 Resp: 95898

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

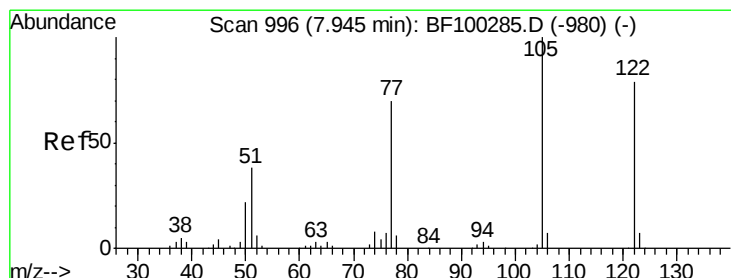
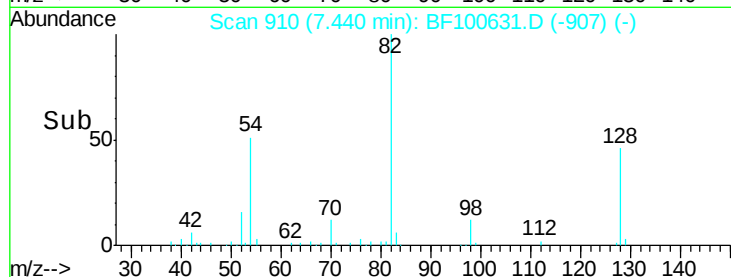
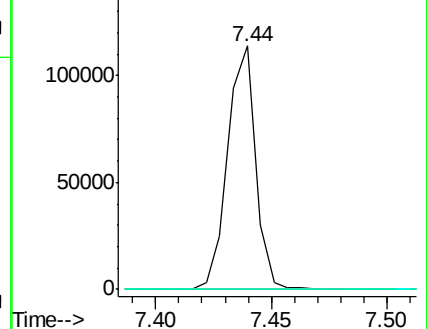
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 9.391 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

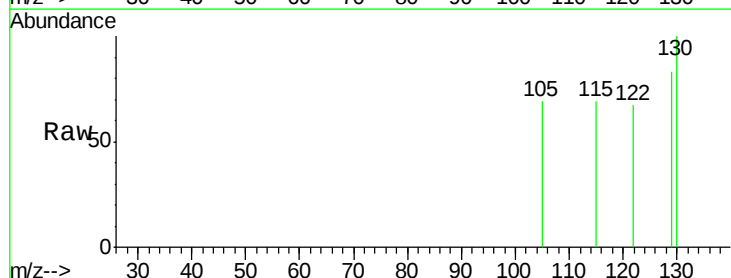
Tgt Ion: 122 Resp: 106

Ion Ratio Lower Upper

122 100

105 104.0 101.1 141.1

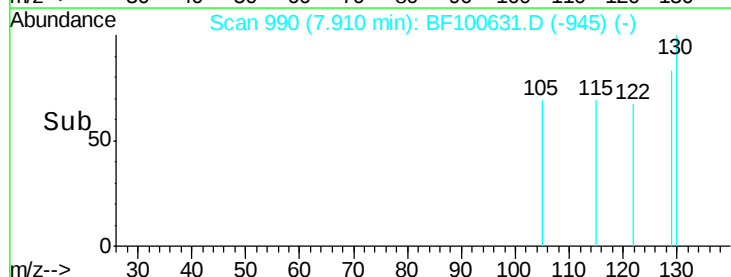
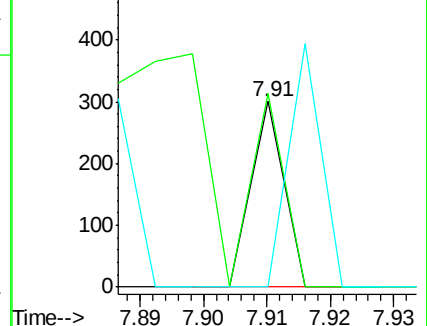
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

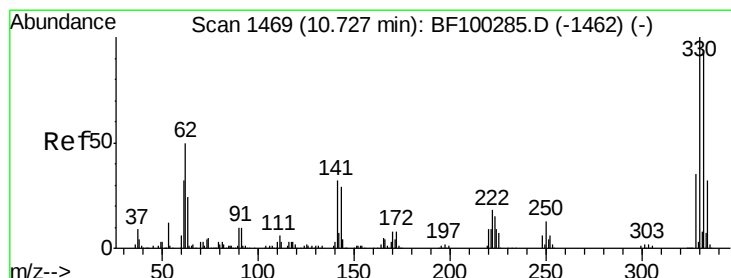
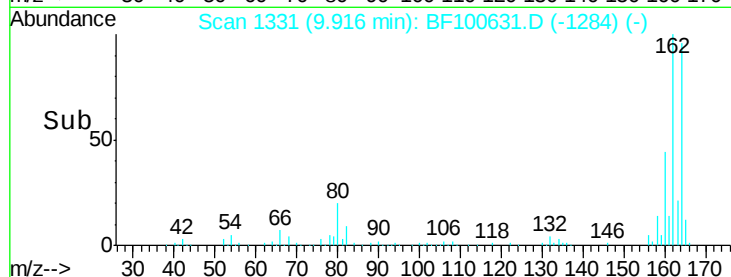
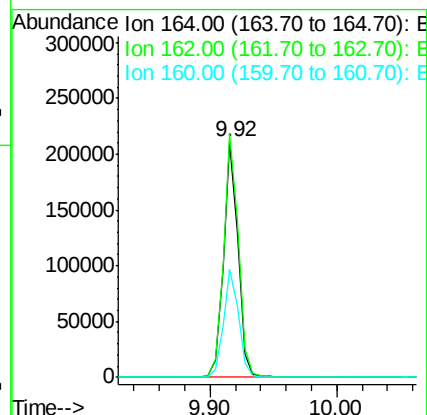
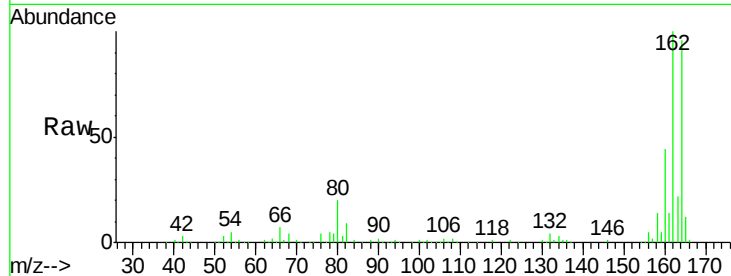




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

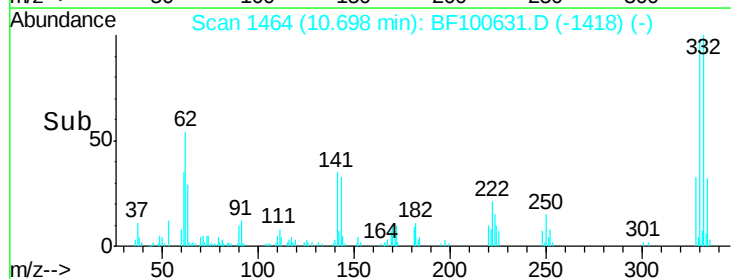
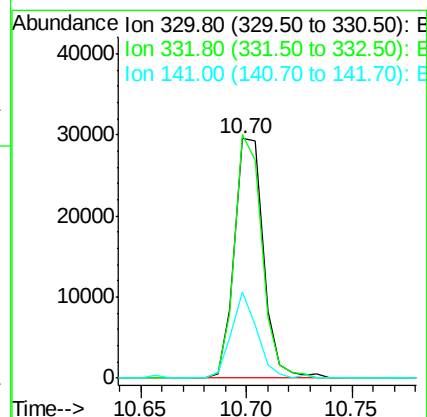
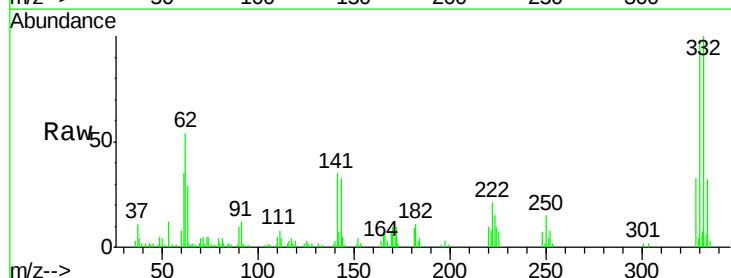
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

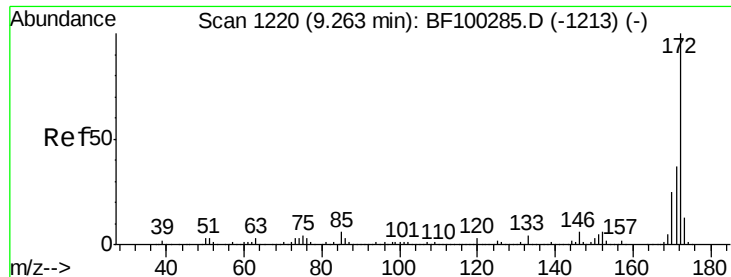
Tgt Ion:164 Resp: 172061
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 45.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 15.912 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.03 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Tgt Ion:330 Resp: 27899
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 32.0 29.9 44.9

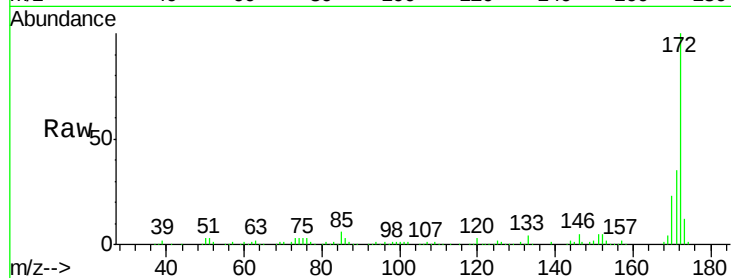




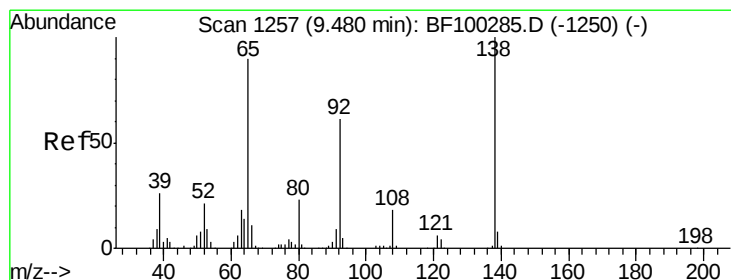
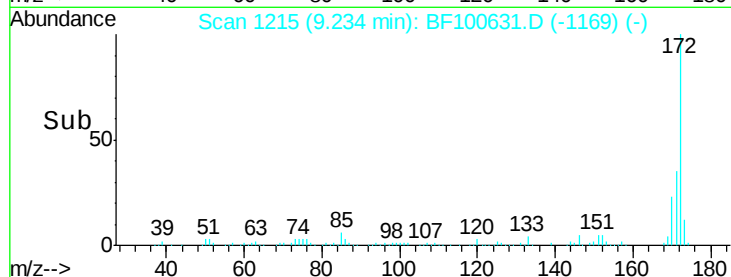
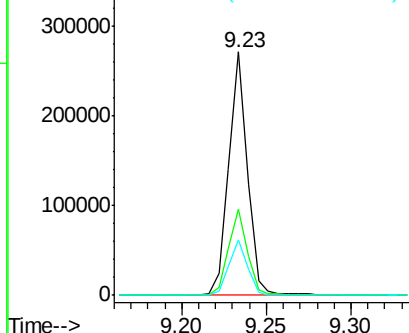
#44
 2-Fluorobiphenyl
 Concen: 18.494 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.03 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	22.8	19.6	29.4

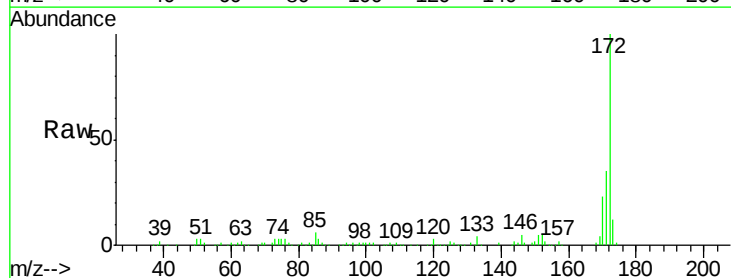


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

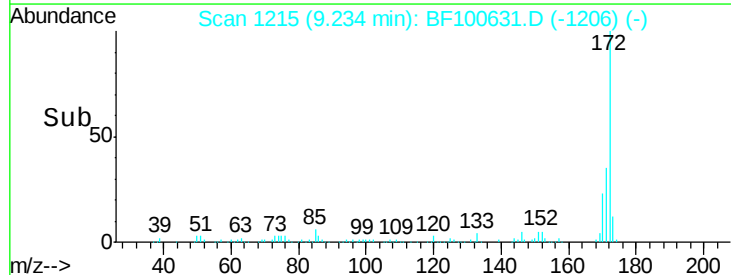
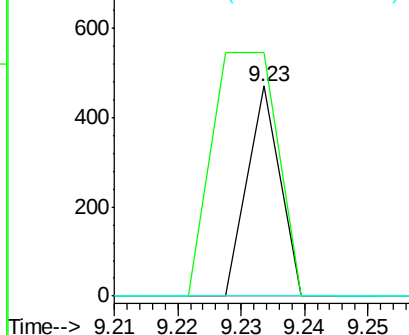


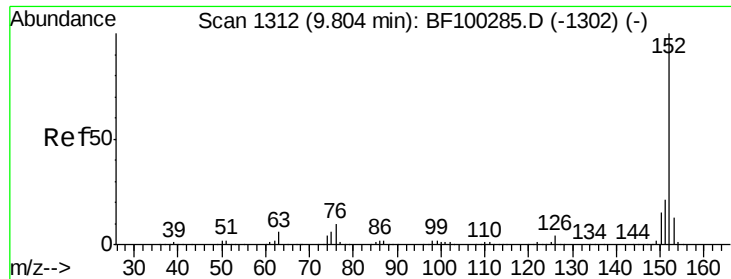
#47
 2-Nitroaniline
 Concen: 2.833 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.25 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	115.7	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 2.464 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

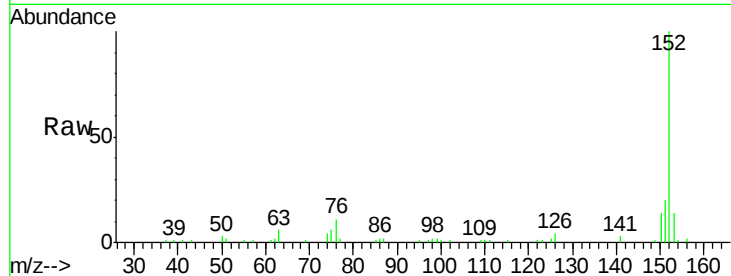
Tgt Ion:152 Resp: 44078

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

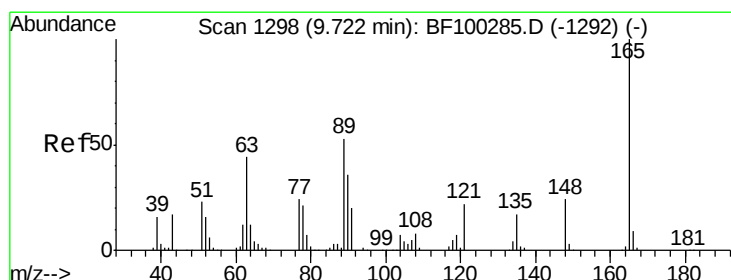
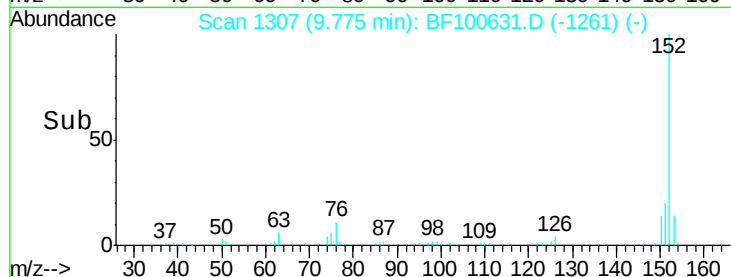
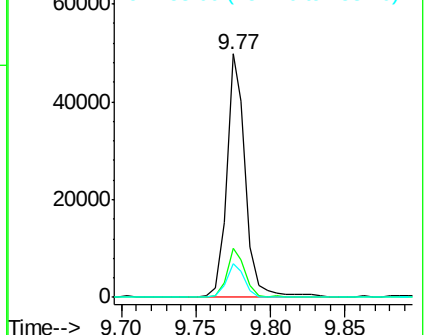
153 13.9 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 8.183 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.19 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

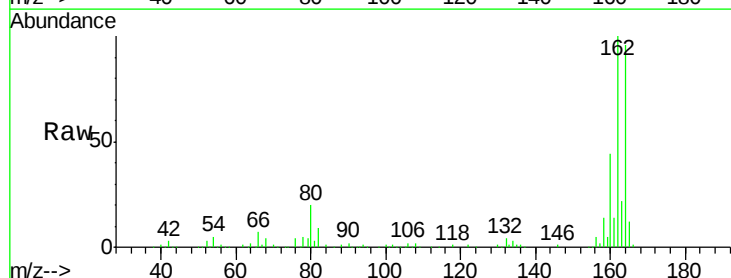
Tgt Ion:165 Resp: 21278

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

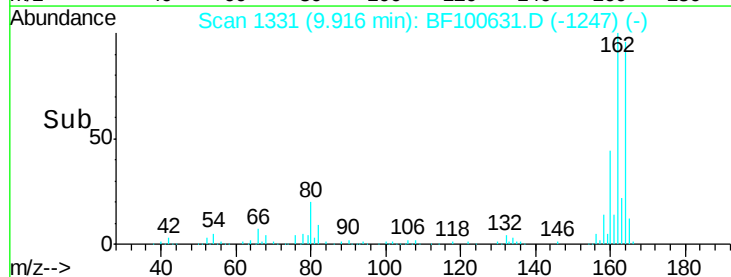
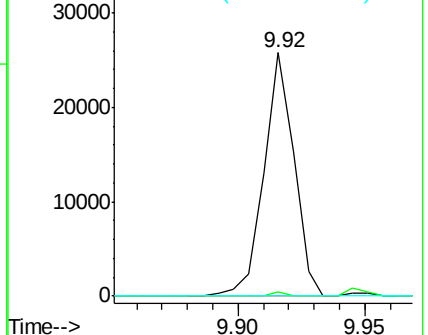
89 0.0 44.0 66.0#

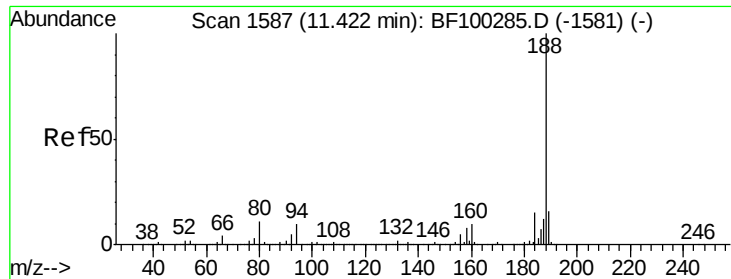


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

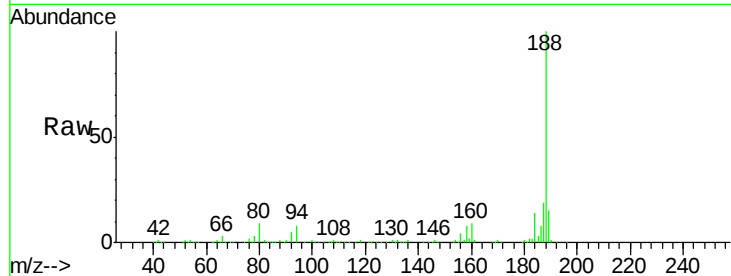
Tgt Ion:188 Resp: 279138

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

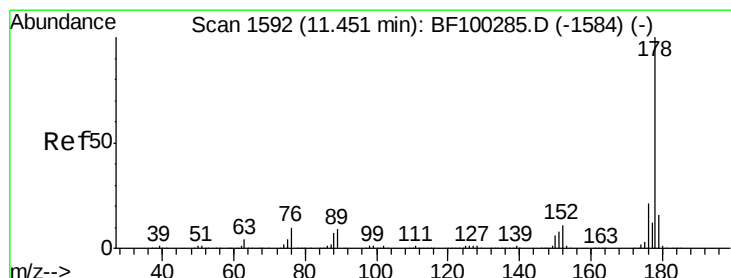
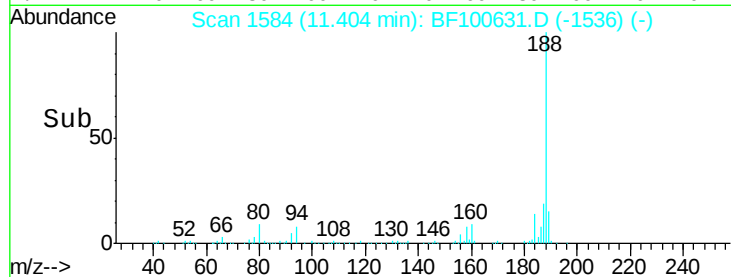
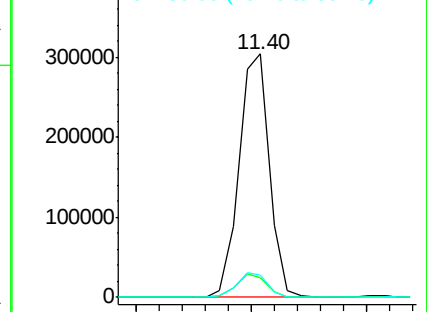
80 8.9 9.2 13.8#



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



#70

Phenanthrene

Concen: 5.903 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.03 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

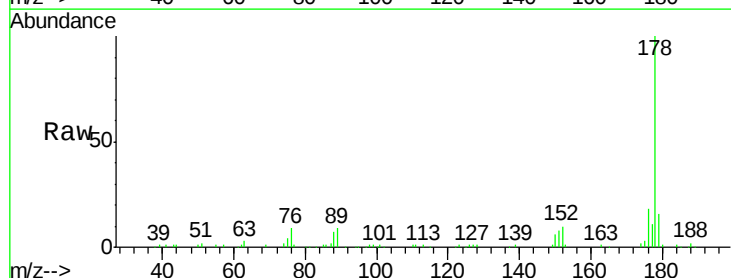
Tgt Ion:178 Resp: 86761

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

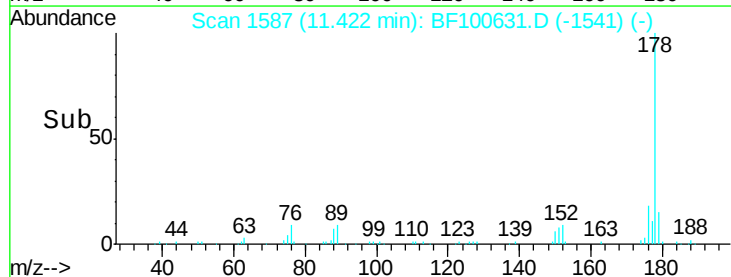
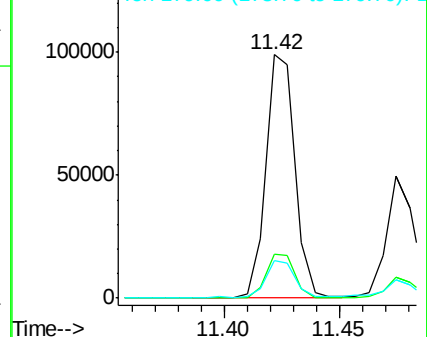
179 15.6 13.0 19.6

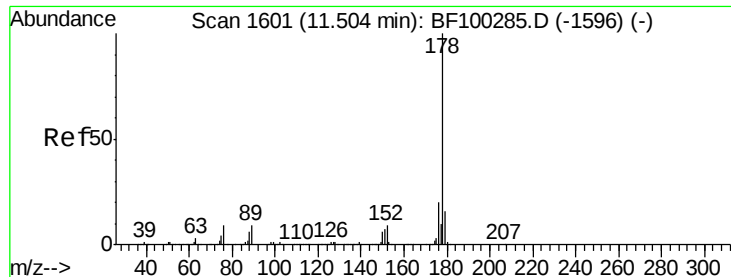


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

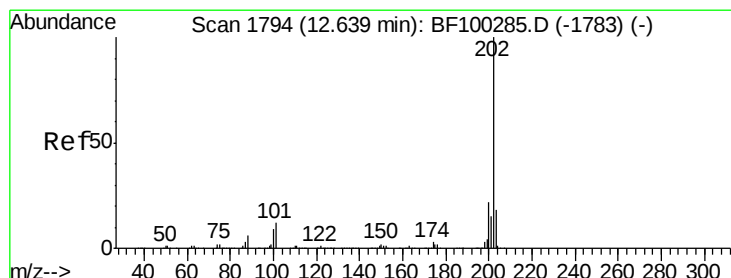
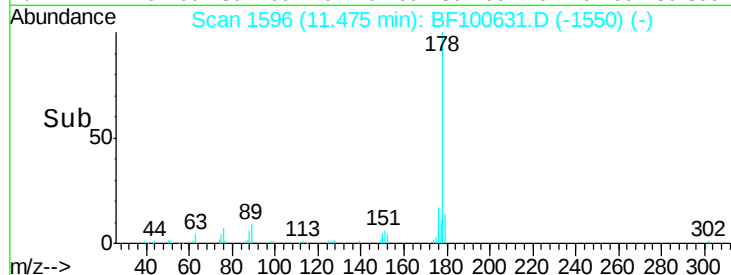
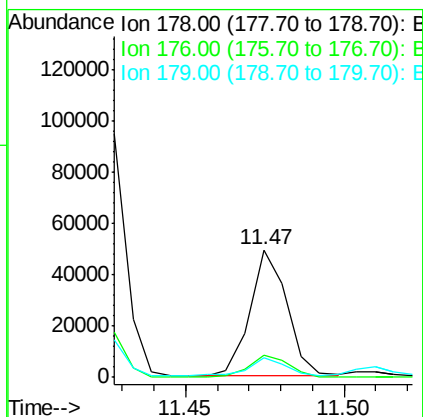
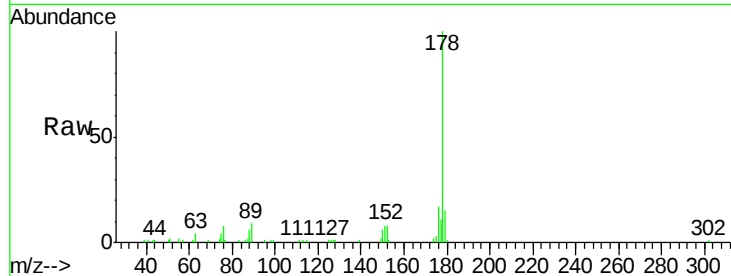




#71
 Anthracene
 Concen: 2.686 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.03 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

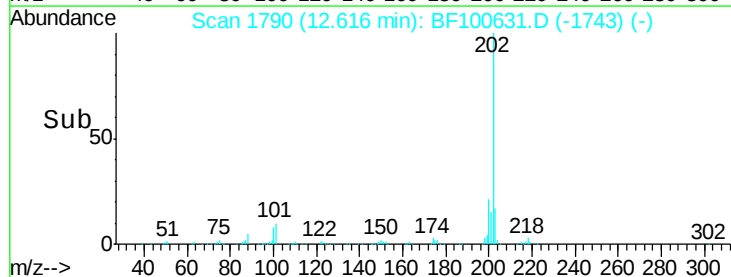
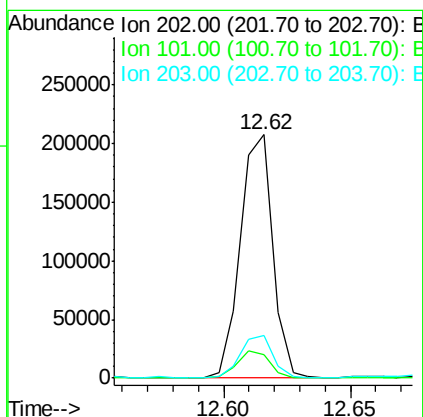
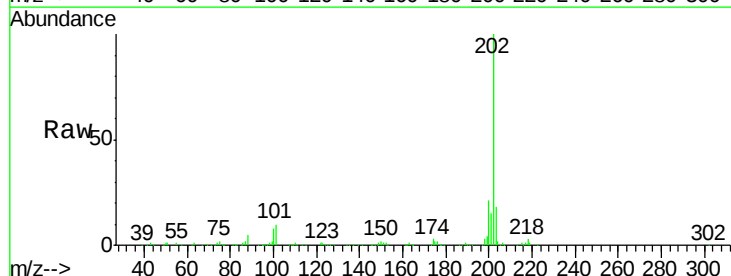
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

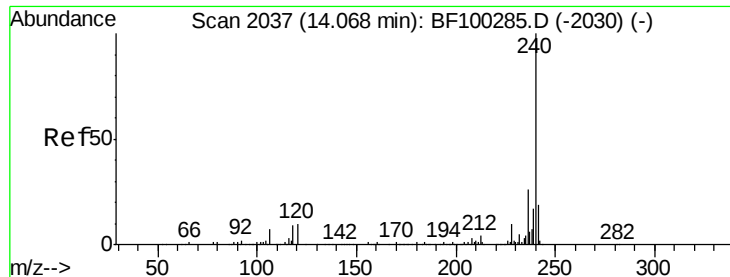
Tgt Ion:178 Resp: 40047
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.2
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 11.793 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.02 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Tgt Ion:202 Resp: 183683
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.03 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

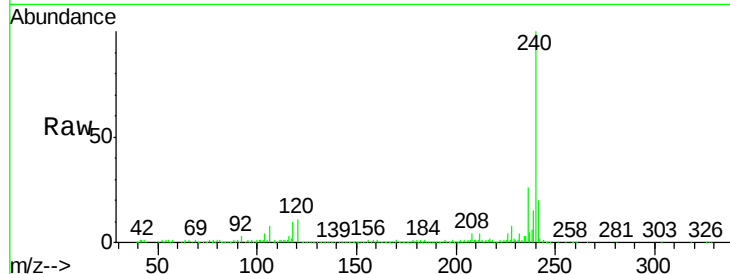
Tgt Ion:240 Resp: 220501

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

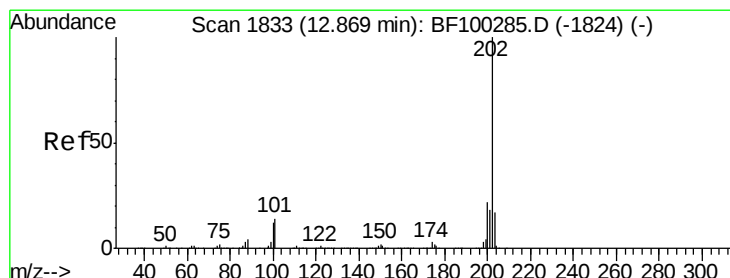
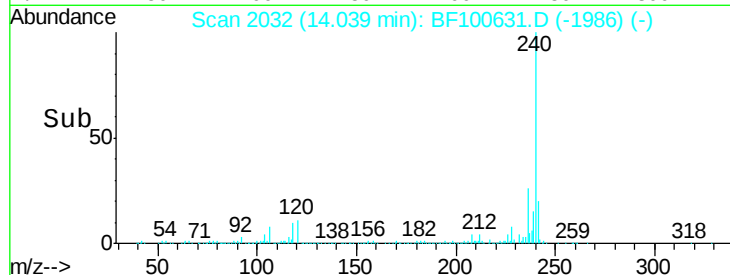
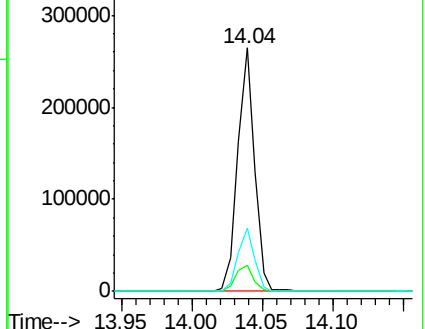
236 25.7 20.7 31.1



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



#77

Pyrene

Concen: 14.345 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.02 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

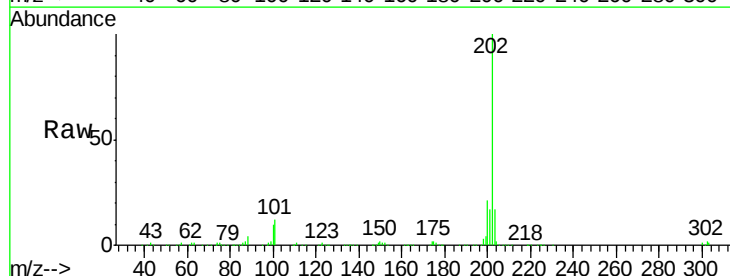
Tgt Ion:202 Resp: 225482

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

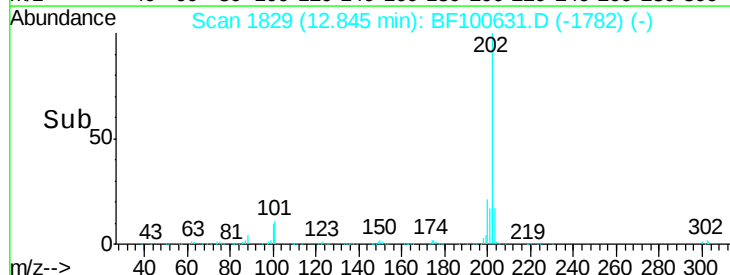
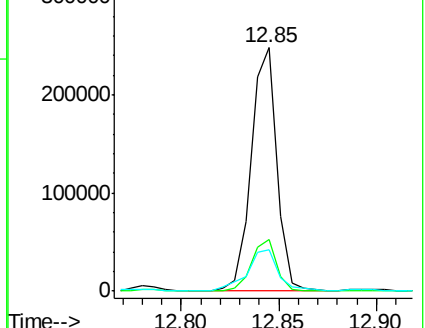
203 17.1 14.3 21.5

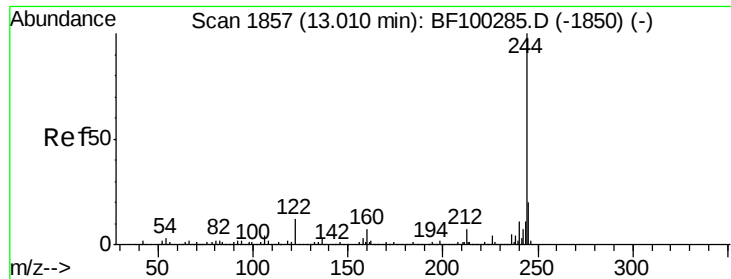


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

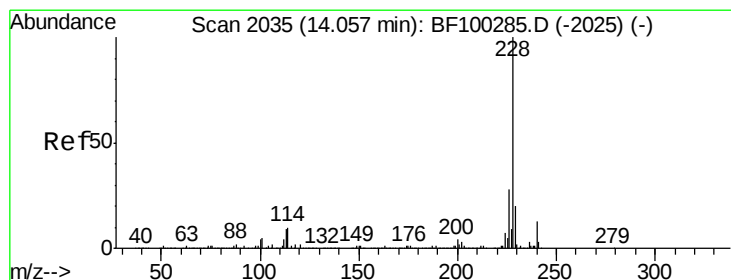
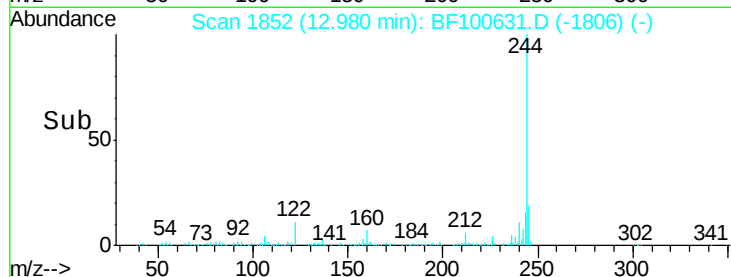
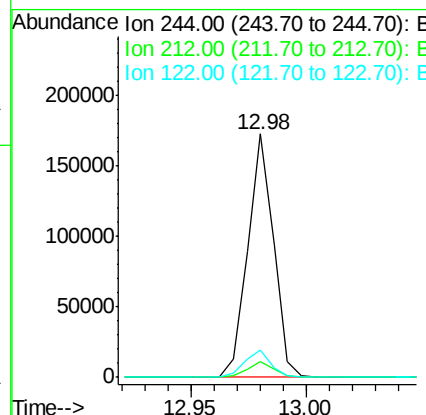
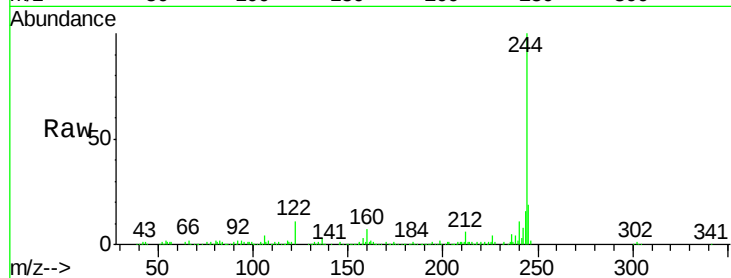




#78
 Terphenyl-d14
 Concen: 14.059 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.03 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

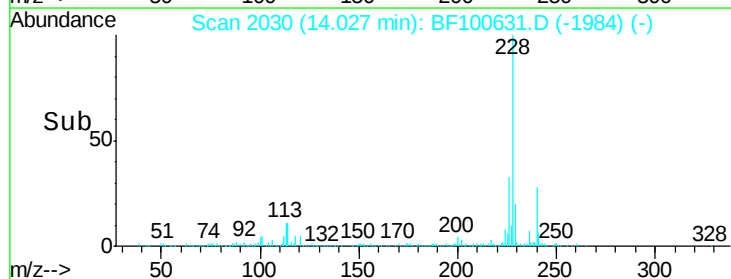
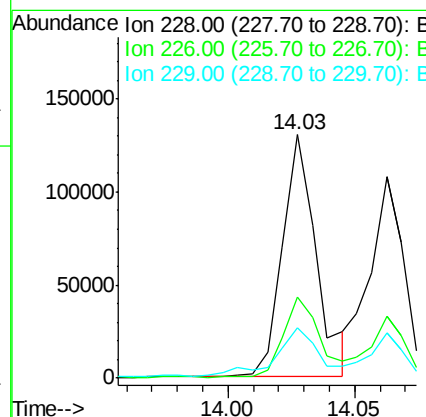
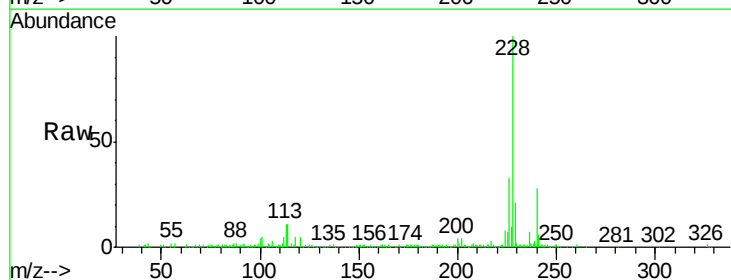
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-B

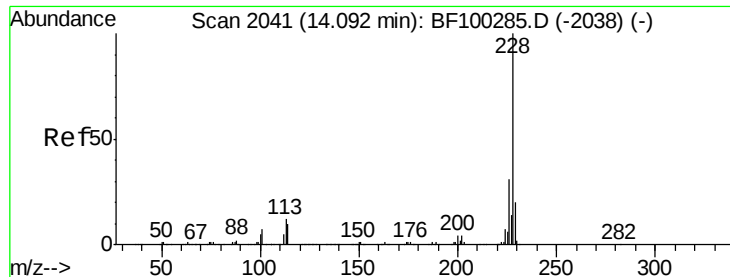
Tgt Ion:244 Resp: 134914
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 9.114 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.03 min
 Lab File: BF100631.D
 Acq: 16 Nov 2017 15:31

Tgt Ion:228 Resp: 121020
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.6 33.8
 229 20.9 15.8 23.6





#82

Chrysene

Concen: 7.924 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.03 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

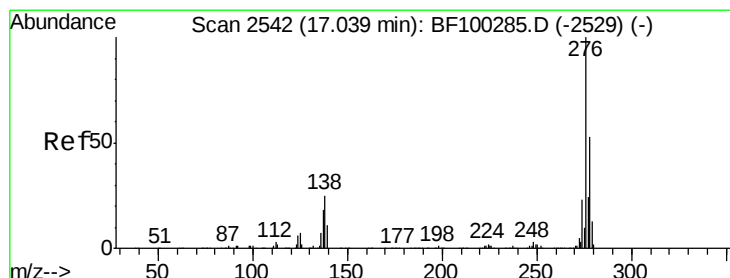
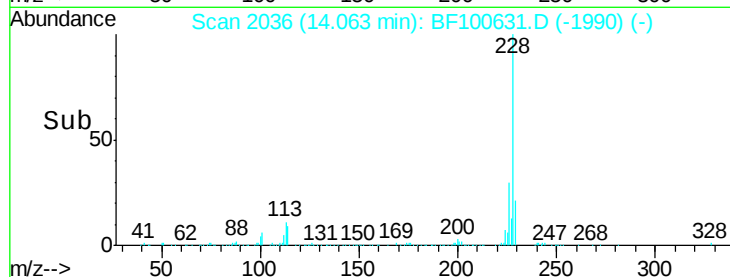
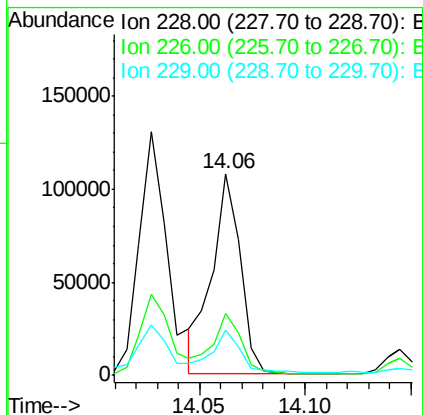
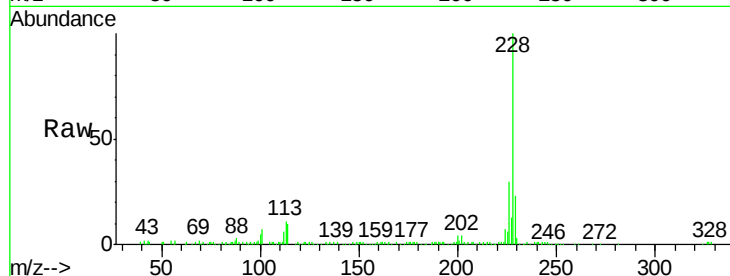
Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

Tgt Ion:	228	Resp:	101885
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.7	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.161 ng

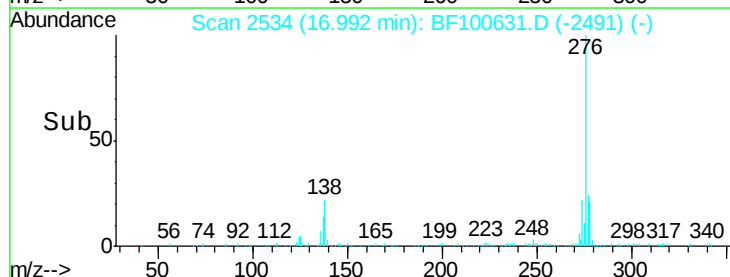
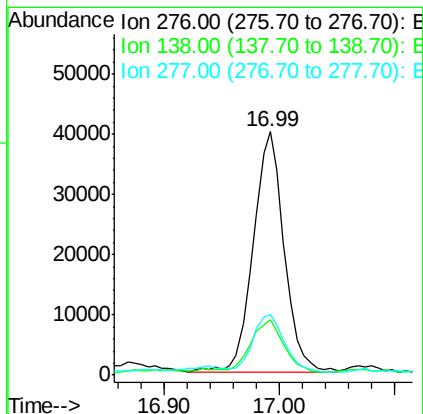
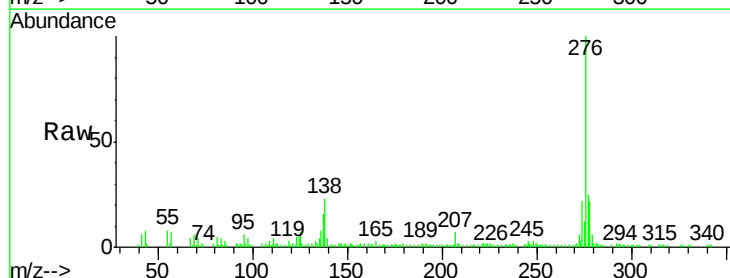
RT: 16.99 min Scan# 2534

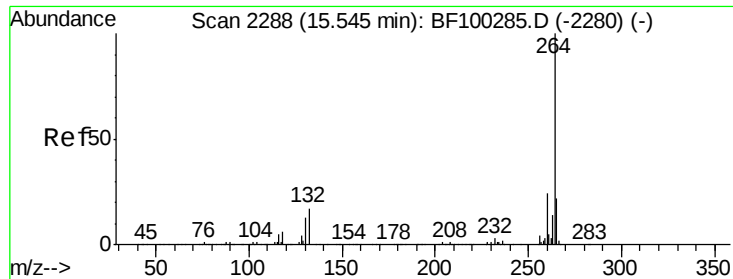
Delta R.T. -0.05 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Tgt Ion:	276	Resp:	74482
Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	24.2	20.1	30.1

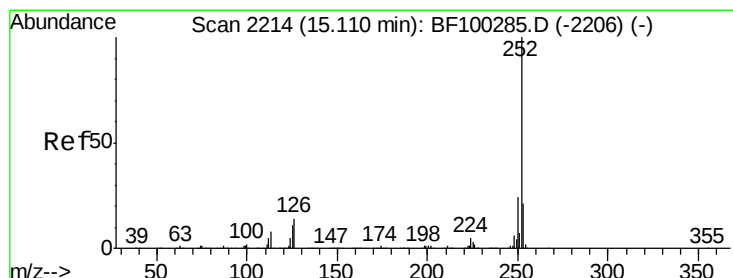
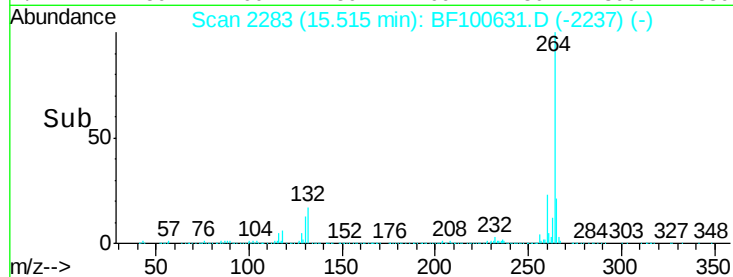
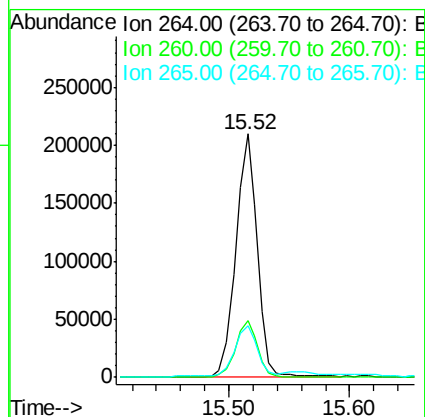
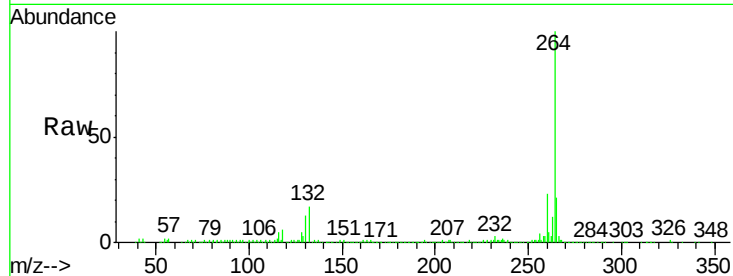




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.03 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

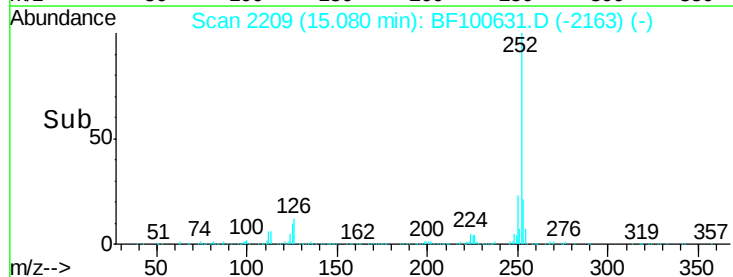
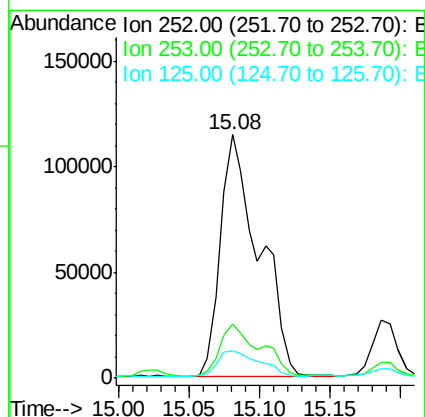
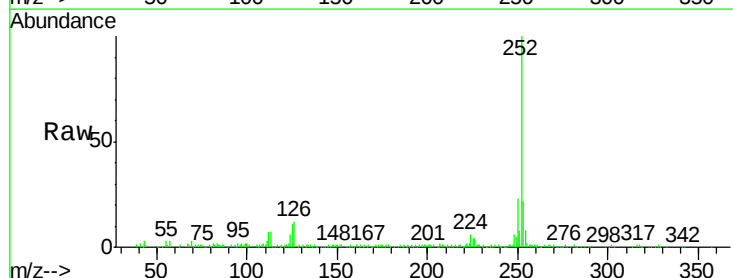
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-B

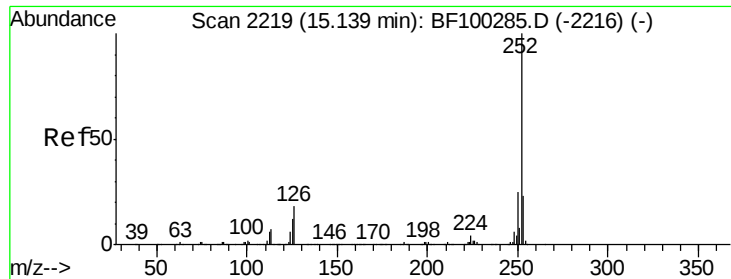
Tgt Ion:264 Resp: 257334
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.502 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

Tgt Ion:252 Resp: 221086
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 11.1 9.0 13.6

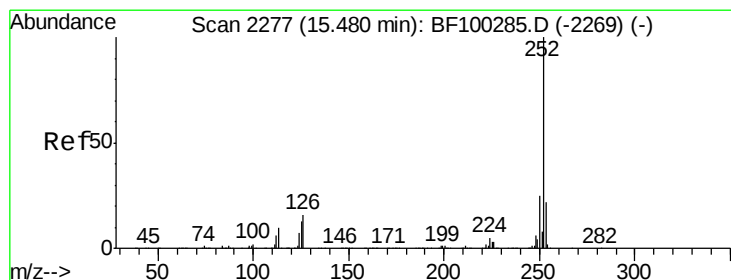
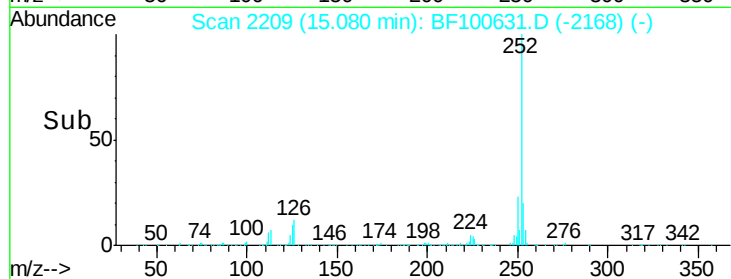
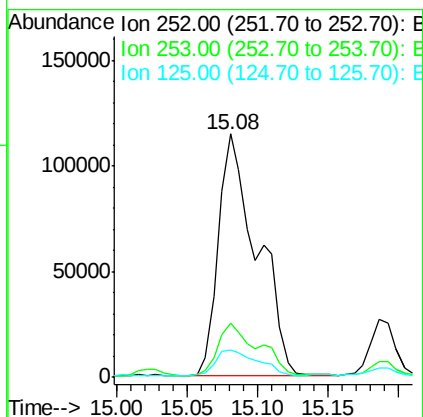
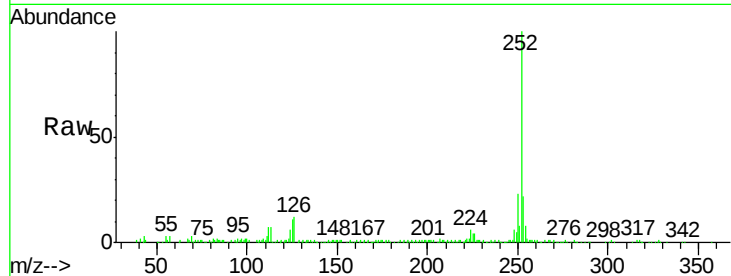




#88
Benzo(k)fluoranthene
Concen: 15.348 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

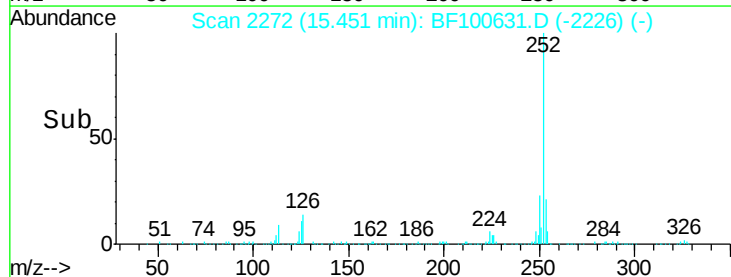
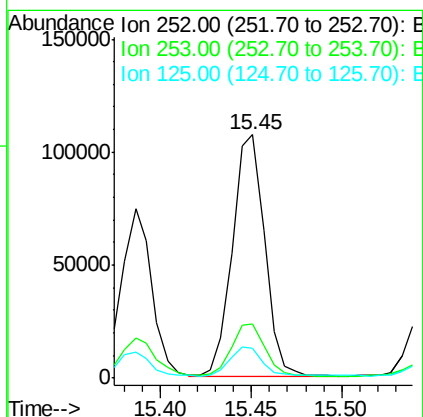
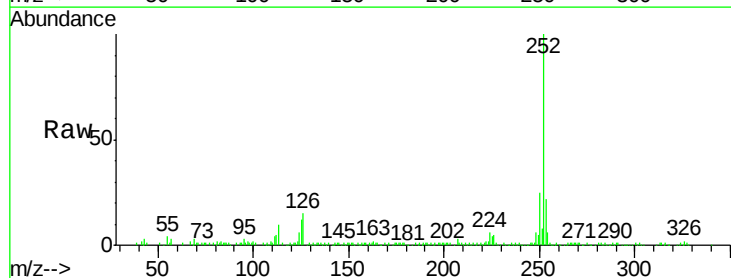
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-B

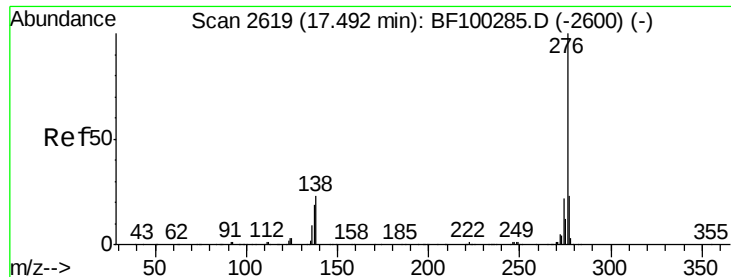
Tgt Ion:252 Resp: 221086
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 11.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.849 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.03 min
Lab File: BF100631.D
Acq: 16 Nov 2017 15:31

Tgt Ion:252 Resp: 133119
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 12.4 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 6.606 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.05 min

Lab File: BF100631.D

Acq: 16 Nov 2017 15:31

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-B

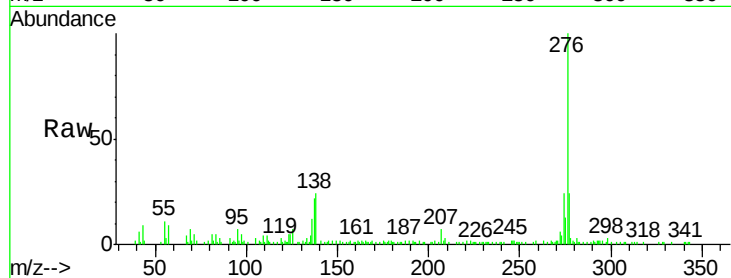
Tgt Ion: 276 Resp: 71475

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 23.6 21.8 32.8



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

