

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100982.D
 Acq On : 29 Nov 2017 17:11
 Operator : SJ/JU
 Sample : I6302-09 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:41:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	94580	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	352394	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	151997	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	241018	20.00	ng	0.00
75) Chrysene-d12	14.02	240	196435	20.00	ng	0.00
86) Perylene-d12	15.49	264	153750	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	30251	5.13	ng	-0.02
7) Phenol-d6	6.47	99	37318	5.13	ng	-0.02
23) Nitrobenzene-d5	7.41	82	24805	4.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	7343	4.74	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	50136	5.02	ng	0.00
78) Terphenyl-d14	12.96	244	36708	4.29	ng	-0.01

Target Compounds

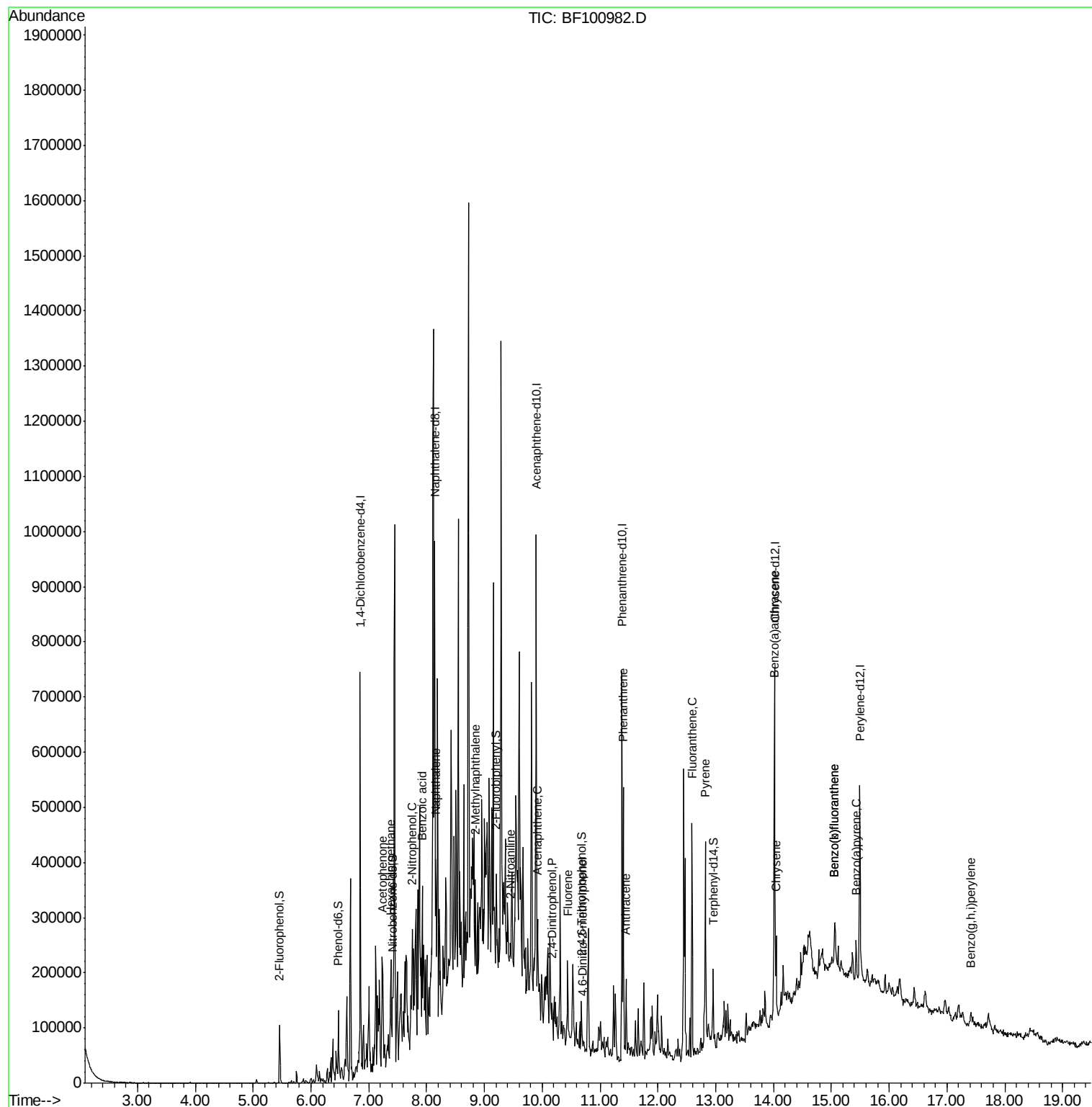
						Qvalue
18) Hexachloroethane	7.38	117	6244	2.600	ng	# 1
22) Acetophenone	7.24	105	24154	2.811	ng	# 55
26) 2-Nitrophenol	7.75	139	1050	5.741	ng	# 1
31) Naphthalene	8.16	128	48909	2.882	ng	# 97
32) Benzoic acid	7.92	122	619	9.500	ng	# 27
37) 2-Methylnaphthalene	8.85	142	37372	3.316	ng	# 98
47) 2-Nitroaniline	9.45	65	394	2.916	ng	# 1
51) Acenaphthene	9.92	154	22517	2.343	ng	# 99
53) 2,4-Dinitrophenol	10.17	184	355	8.304	ng	# 20
57) Fluorene	10.44	166	34569	3.503	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.70	198	238	8.731	ng	# 1
70) Phenanthrene	11.40	178	169372	13.347	ng	# 98
71) Anthracene	11.45	178	51299	3.985	ng	# 96
74) Fluoranthene	12.59	202	152832	11.364	ng	# 93
77) Pyrene	12.82	202	126198	9.012	ng	# 99
80) Benzo(a)anthracene	14.01	228	66933	5.658	ng	# 97
82) Chrysene	14.04	228	50080	4.372	ng	# 97
87) Benzo(b)fluoranthene	15.06	252	64634	7.096	ng	# 92
88) Benzo(k)fluoranthene	15.06	252	64634	7.510	ng	# 95
89) Benzo(a)pyrene	15.43	252	34480	4.270	ng	# 97
91) Benzo(a,h,i)perylene	17.42	276	17230	2.665	ng	# 94

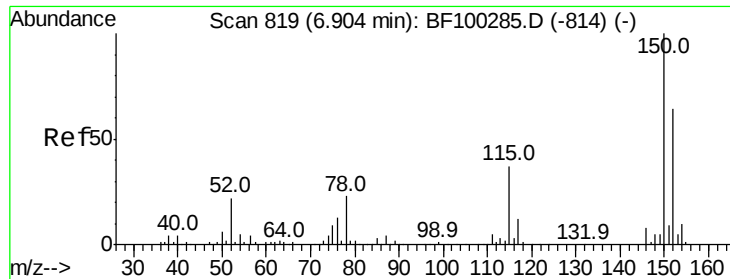
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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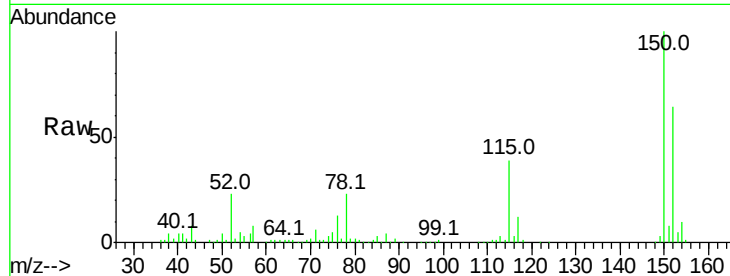


#1

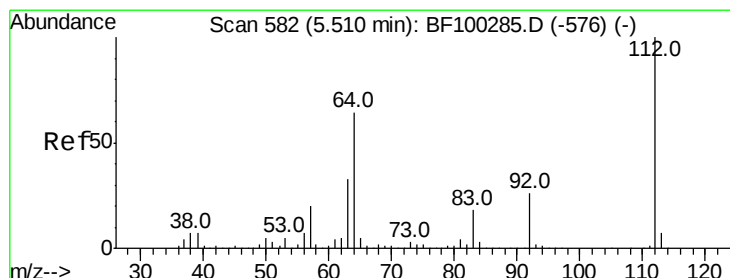
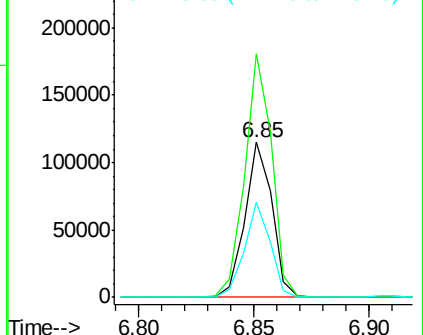
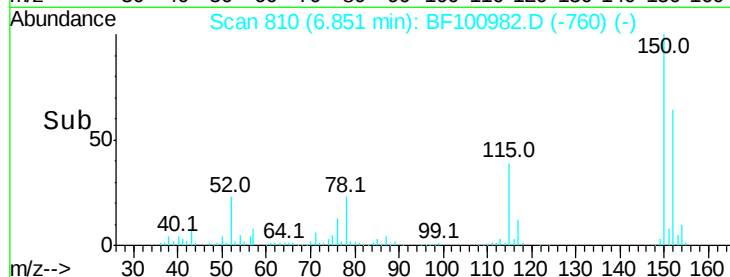
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94580
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 61.1 50.1 75.1



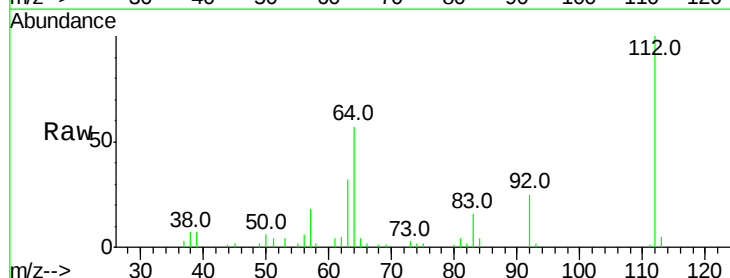
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



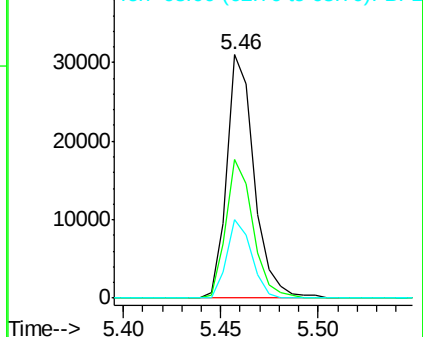
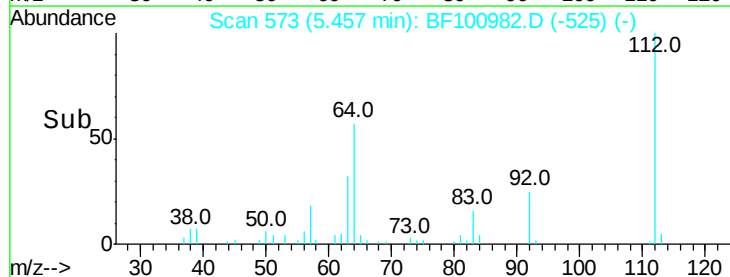
#5

2-Fluorophenol
Concen: 5.127 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:112 Resp: 30251
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 32.1 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: 5.129 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

ClientSampleId :

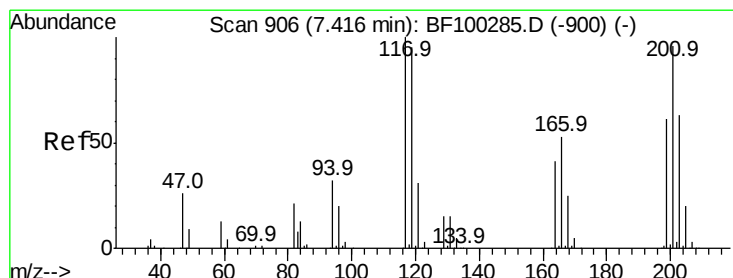
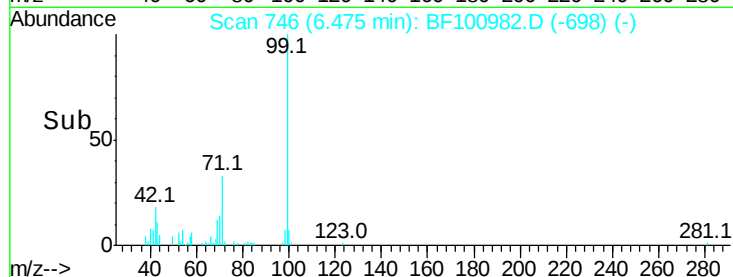
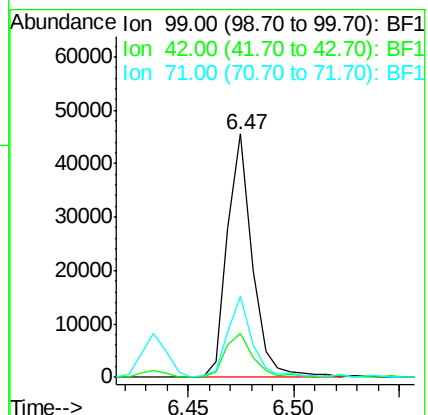
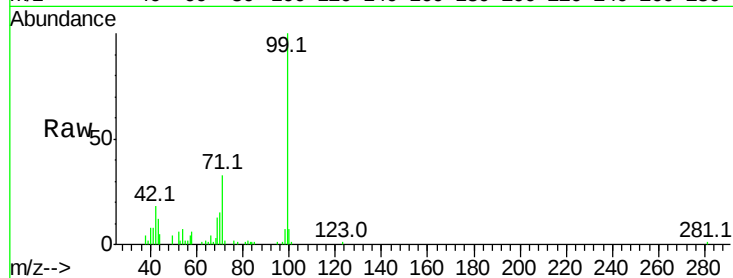
Tot Ion: 99 Resp: 37318

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 33.1 25.4 38.0



#18

Hexachloroethane

Concen: 2.600 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

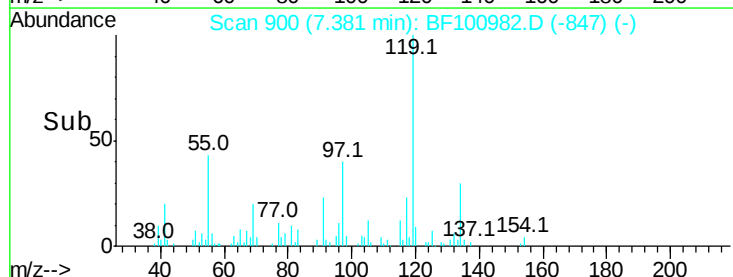
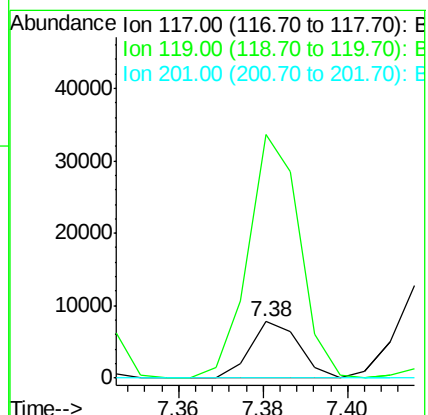
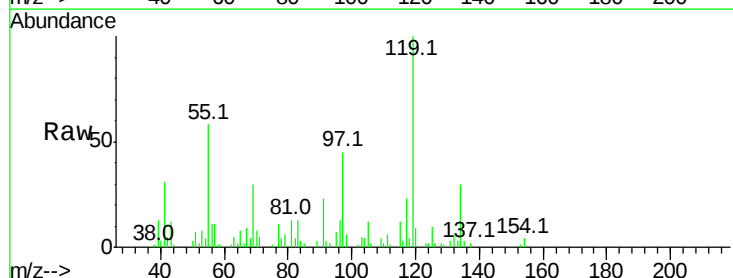
Tgt Ion: 117 Resp: 6244

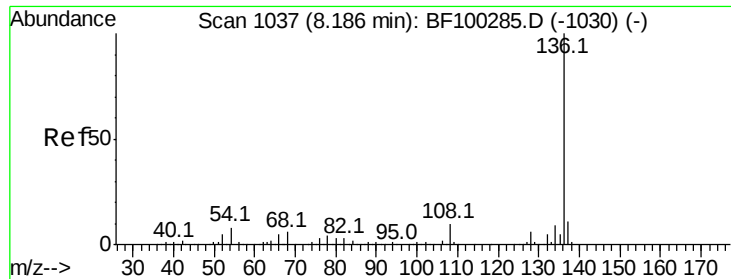
Ion Ratio Lower Upper

117 100

119 430.6 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 352394

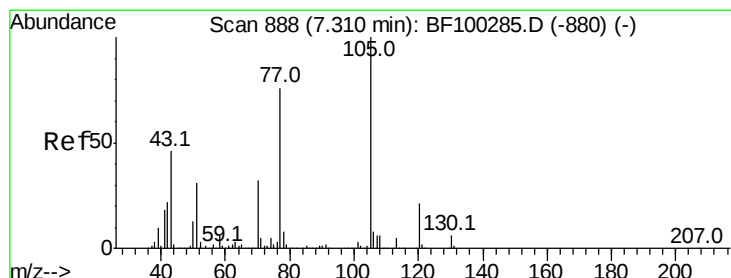
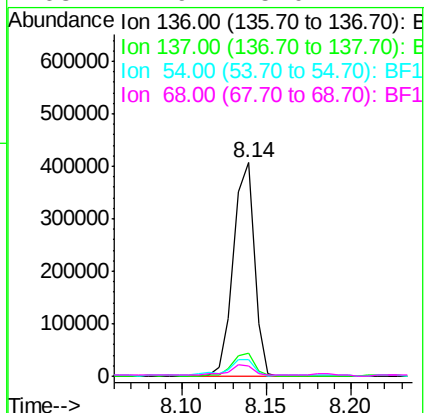
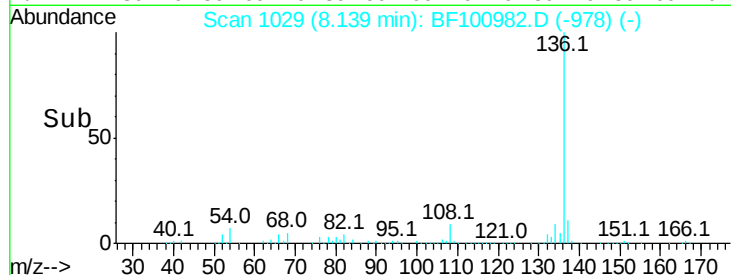
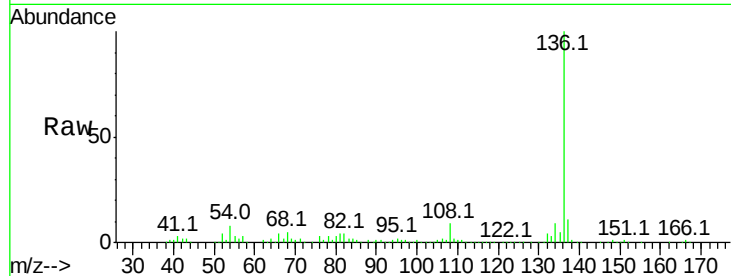
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.6 6.6 9.8

68 4.9 5.0 7.4#



#22

Acetophenone

Concen: 2.811 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Tgt Ion:105 Resp: 24154

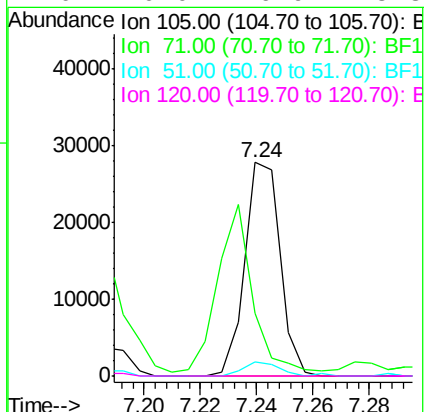
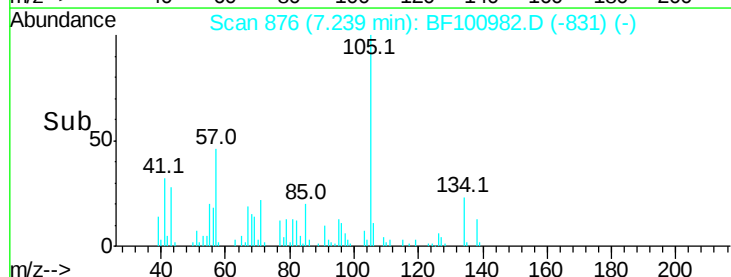
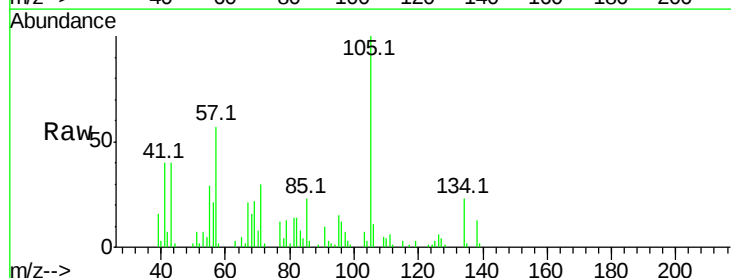
Ion Ratio Lower Upper

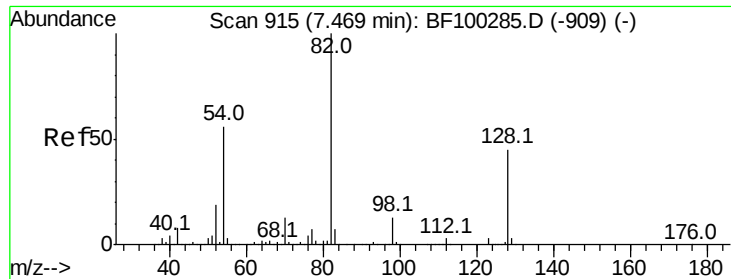
105 100

71 29.6 4.4 6.6#

51 6.8 22.3 33.5#

120 0.0 16.9 25.3#

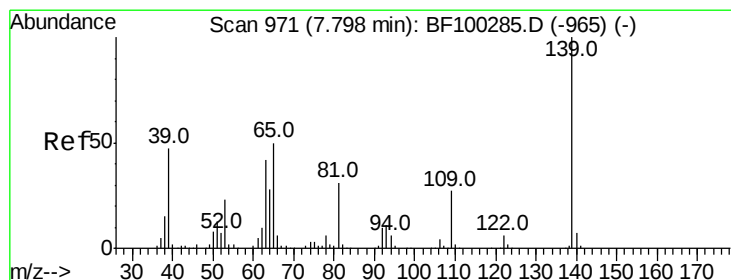
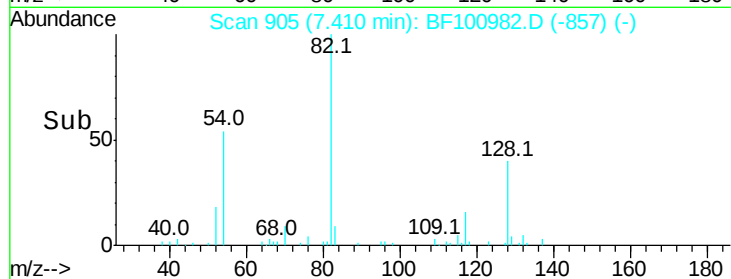
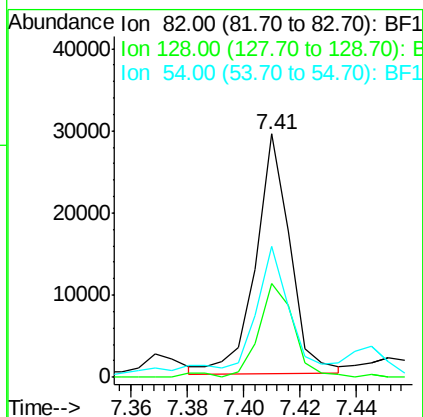
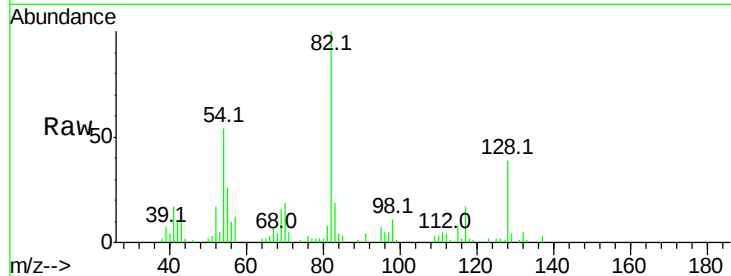




#23
Nitrobenzene-d5
Concen: 4.654 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

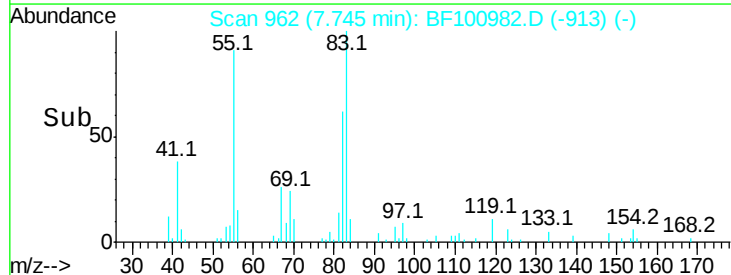
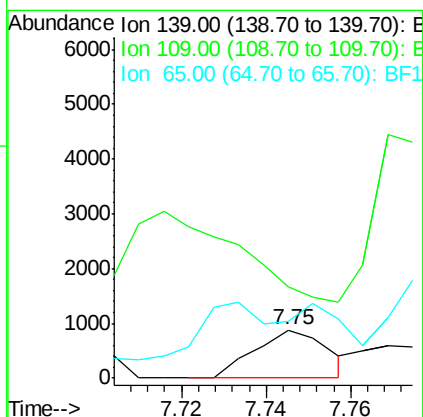
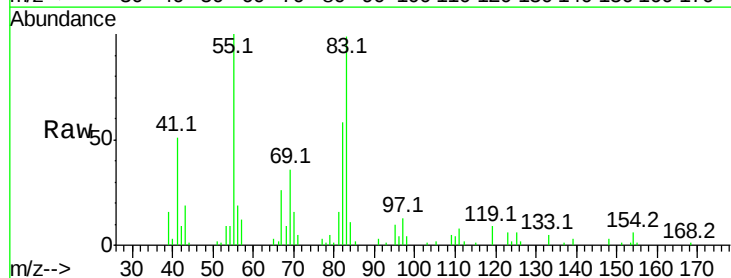
Instrument :
BNA_F
ClientSampled :

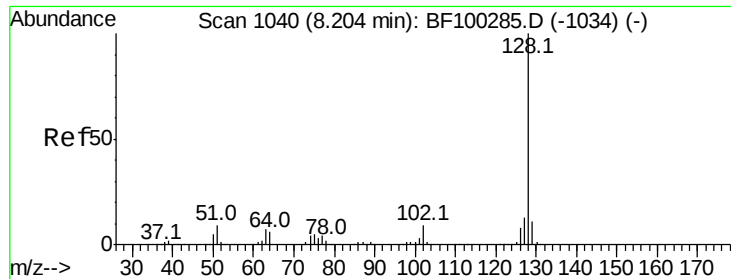
Tot Ion	82	Resp	24805
Ion Ratio	100	Lower	Upper
128	38.5	36.1	54.1
54	53.8	41.4	62.2



#26
2-Nitrophenol
Concen: 5.741 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion	139	Resp	1050
Ion Ratio	100	Lower	Upper
109	190.8	22.7	34.1#
65	118.9	40.5	60.7#

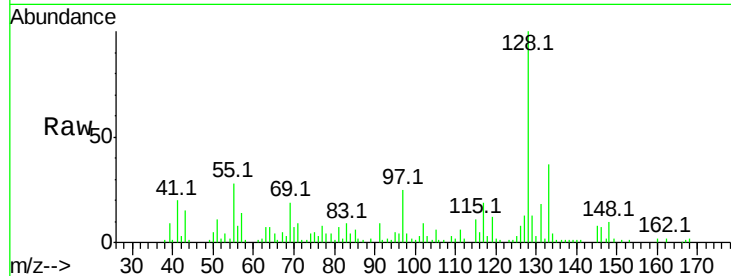




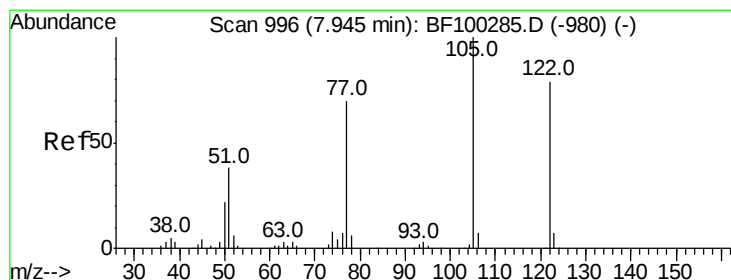
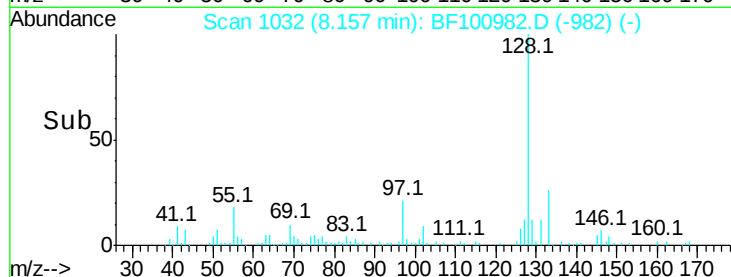
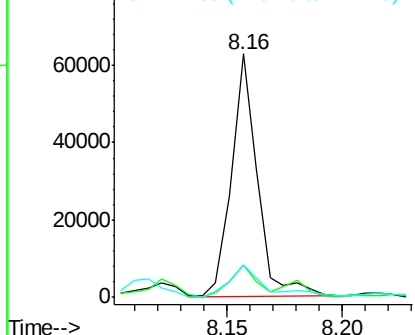
#31
Naphthalene
Concen: 2.882 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 48909
Ion Ratio Lower Upper
128 100
129 13.1 8.8 13.2
127 13.2 10.9 16.3

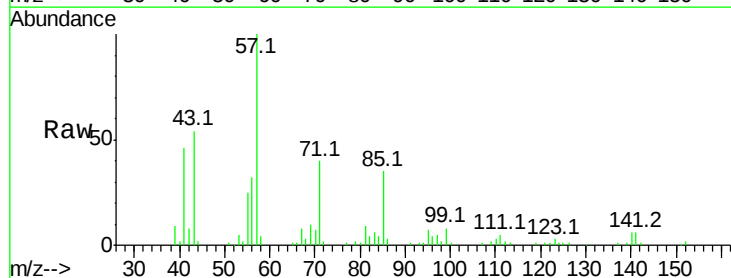


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

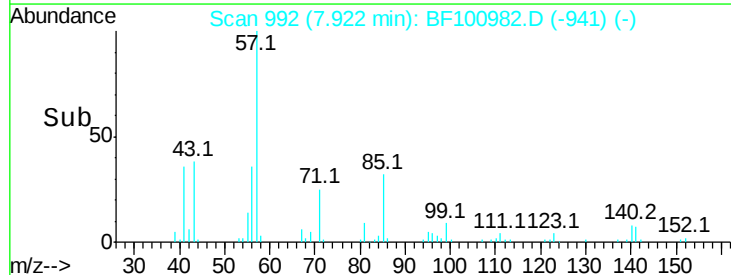
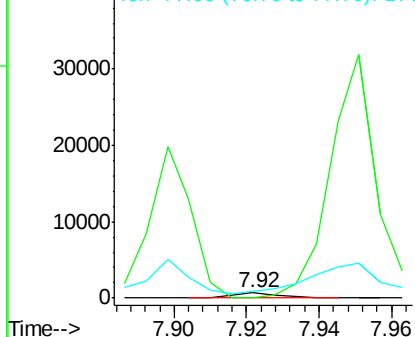


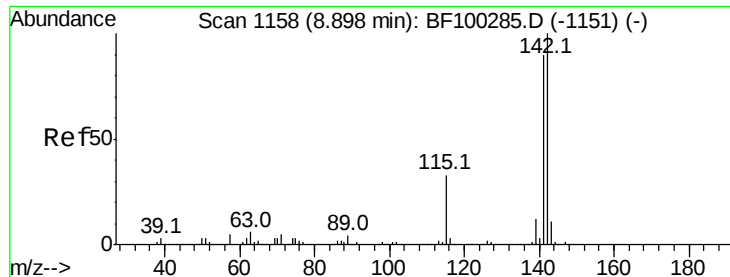
#32
Benzoic acid
Concen: 9.500 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:122 Resp: 619
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 114.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

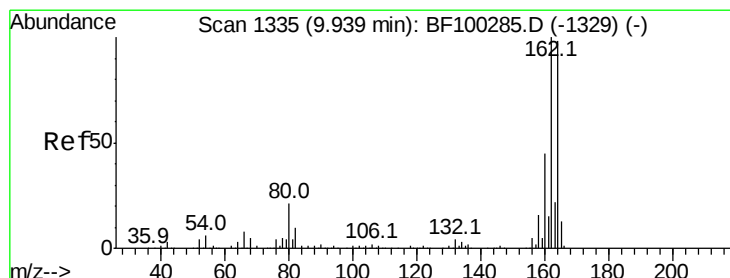
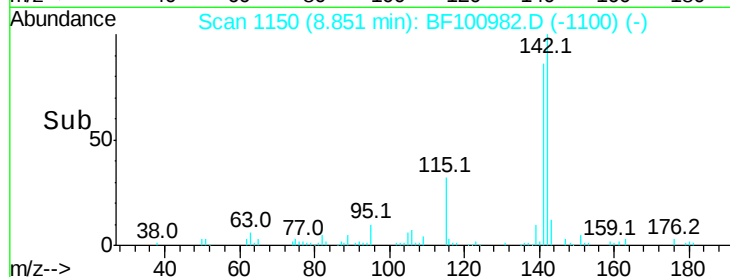
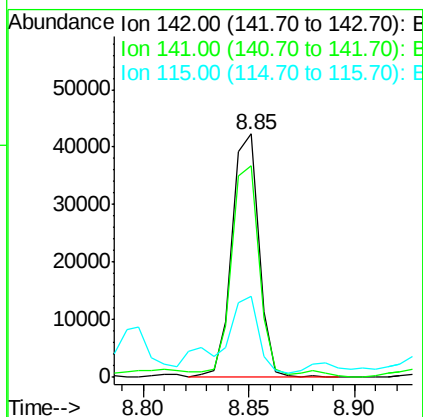
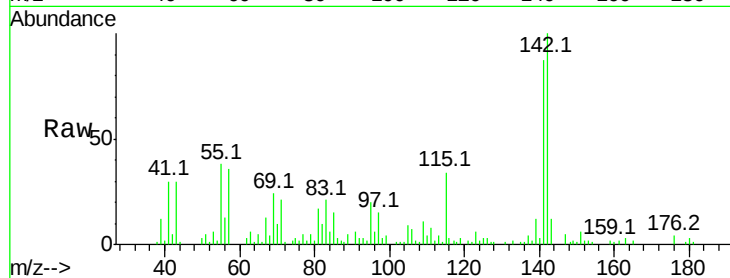




#37
 2-Methylnaphthalene
 Concen: 3.316 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

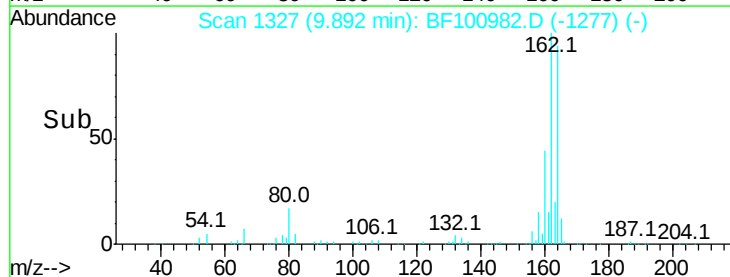
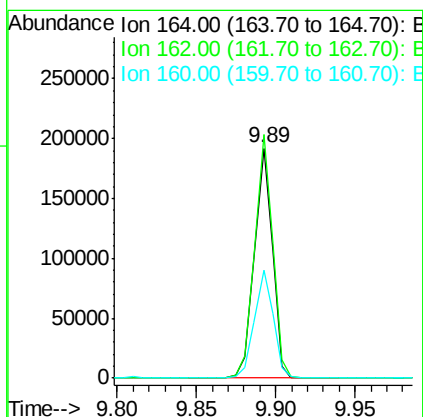
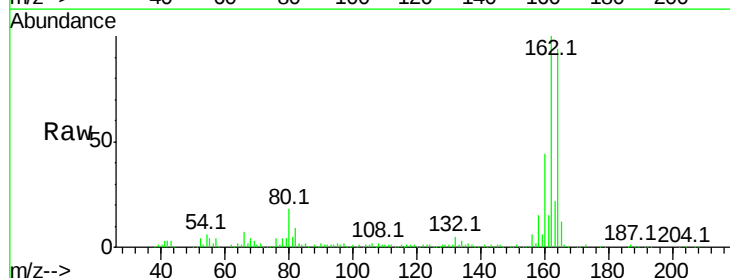
Instrument :
 BNA_F
 ClientSampleId :

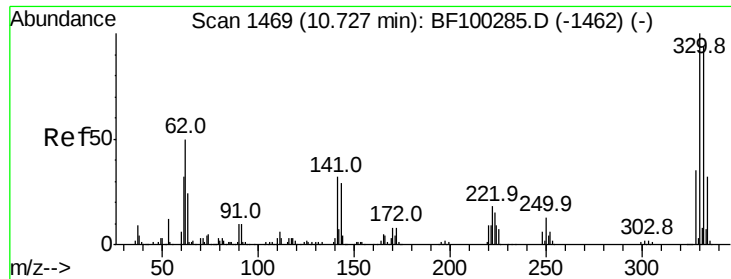
Tot Ion:142 Resp: 37372
 Ion Ratio Lower Upper
 142 100
 141 87.0 70.8 106.2
 115 33.6 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion:164 Resp: 151997
 Ion Ratio Lower Upper
 164 100
 162 105.9 86.1 129.1
 160 46.9 38.3 57.5

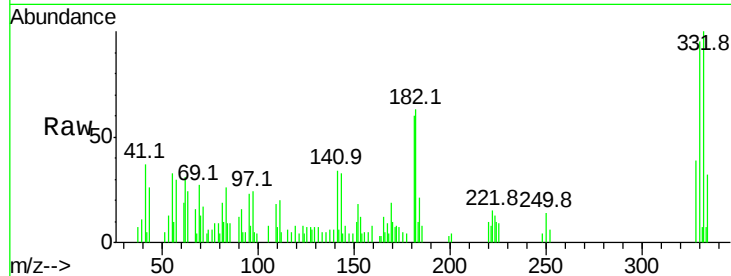




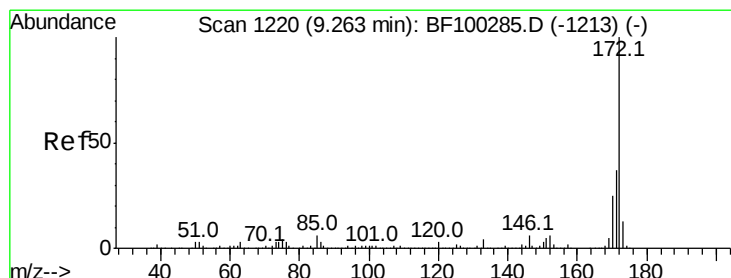
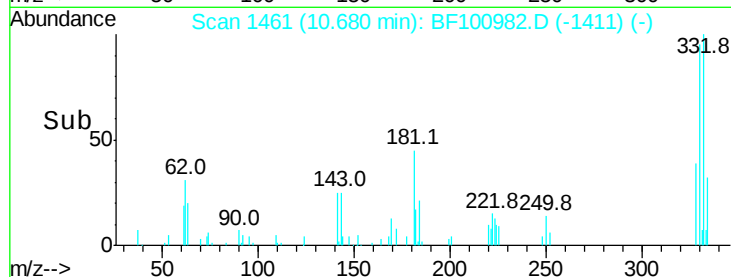
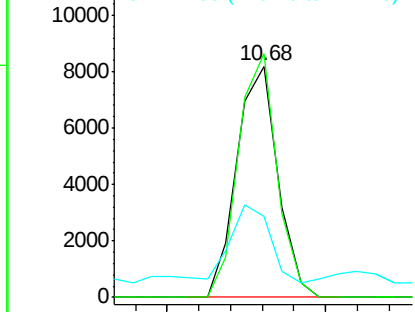
#41
 2,4,6-Tribromophenol
 Concen: 4.741 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7343
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.0 115.6
 141 36.6 29.9 44.9

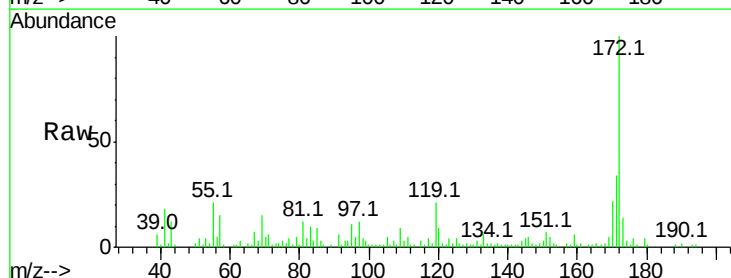


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

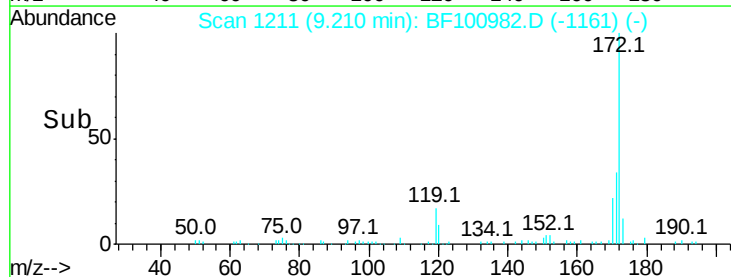
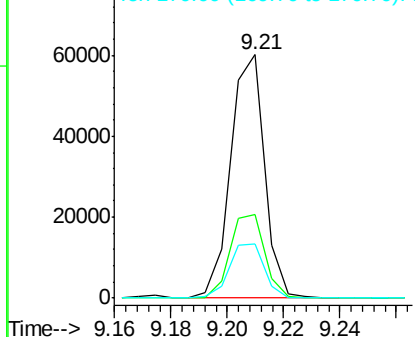


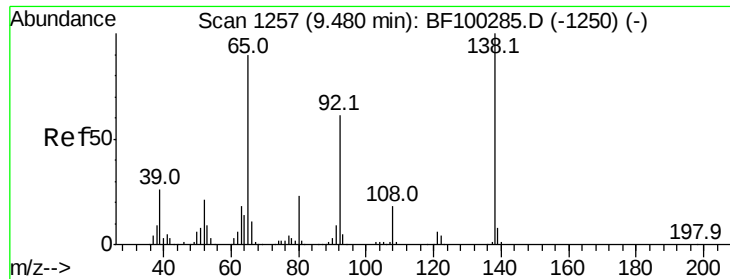
#44
 2-Fluorobiphenyl
 Concen: 5.023 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion:172 Resp: 50136
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 22.0 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: 2.916 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

ClientSampleId :

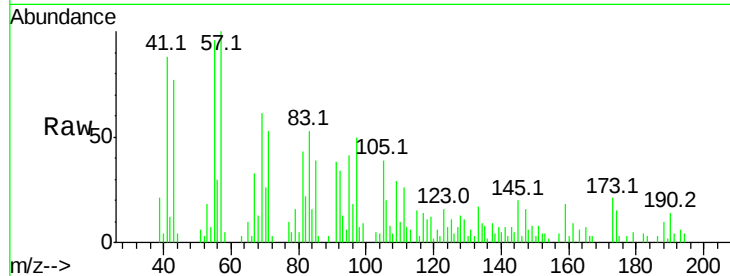
Tot Ion: 65 Resp: 394

Ion Ratio Lower Upper

65 100

92 329.5 55.8 83.6#

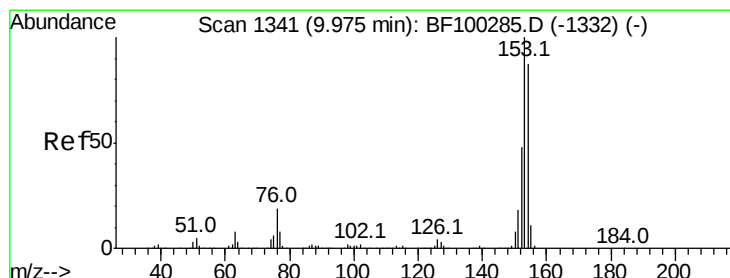
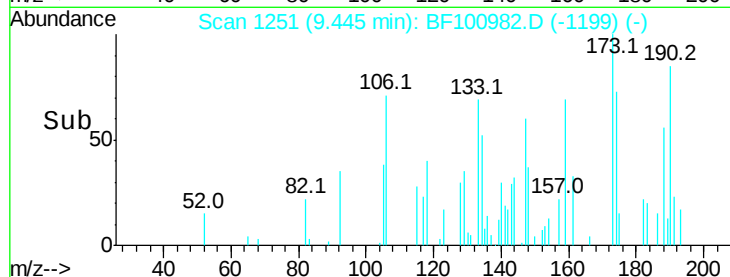
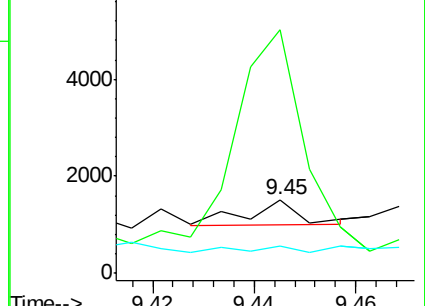
138 37.1 91.2 136.8#



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): BF1



#51

Acenaphthene

Concen: 2.343 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

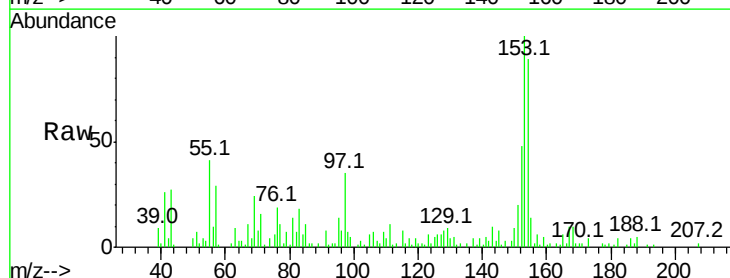
Tgt Ion: 154 Resp: 22517

Ion Ratio Lower Upper

154 100

153 112.2 91.2 136.8

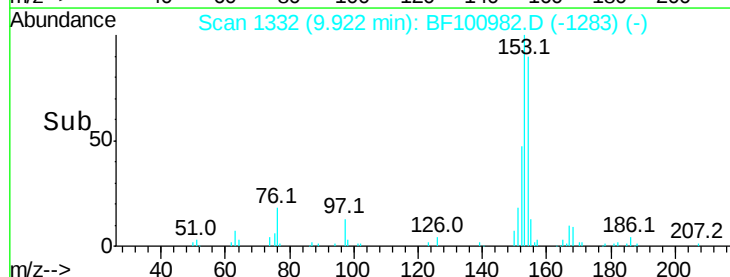
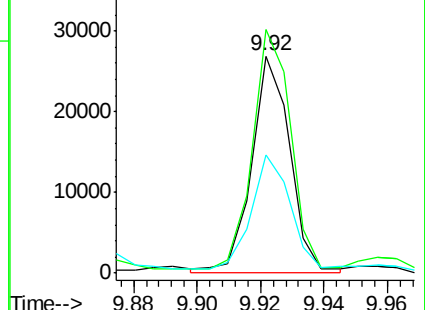
152 54.2 43.8 65.8

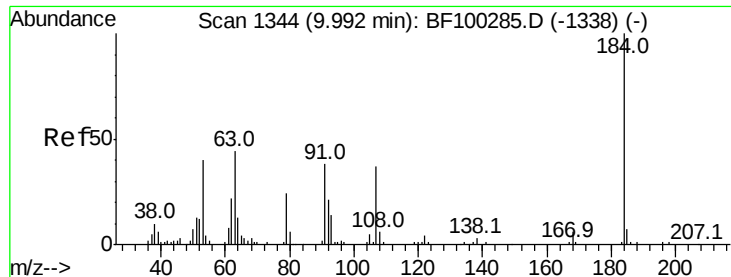


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

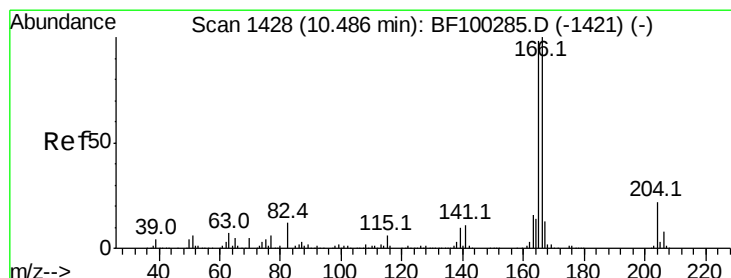
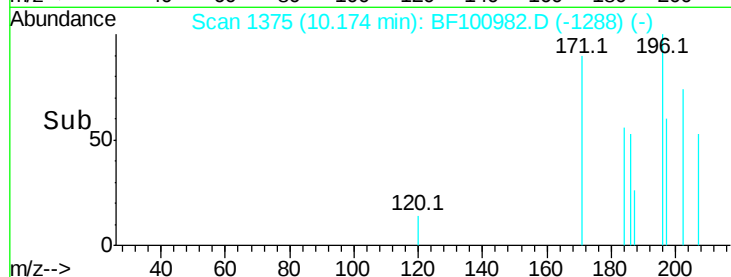
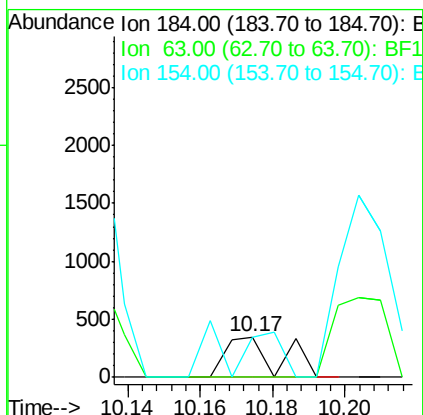
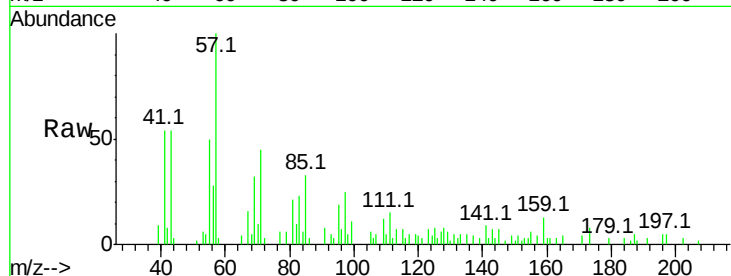




#53
 2,4-Dinitrophenol
 Concen: 8.304 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. 0.21 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

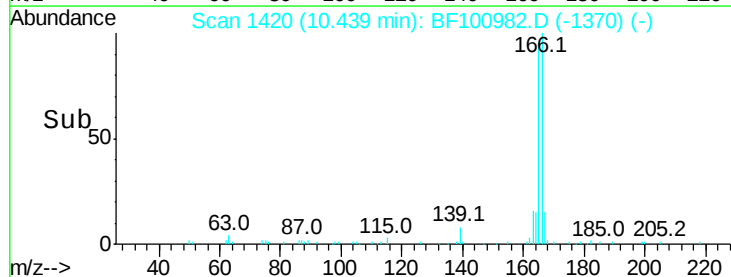
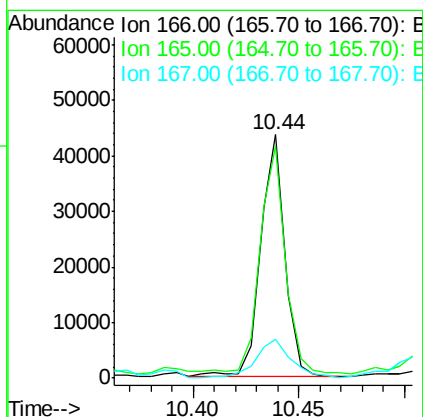
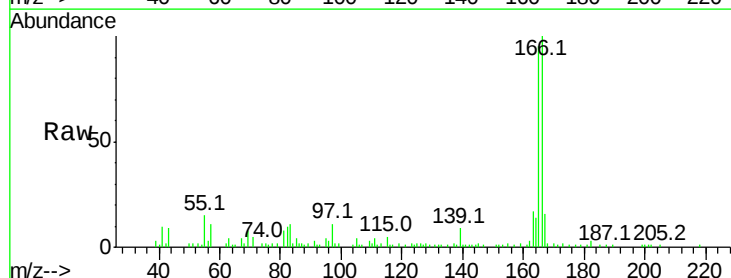
Instrument :
 BNA_F
 ClientSampled :

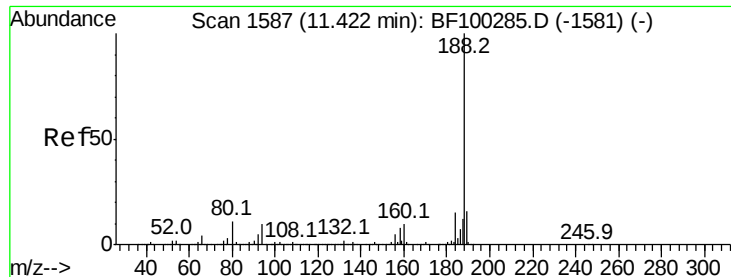
Tot Ion:184 Resp: 355
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 98.6 184.0 276.0#



#57
 Fluorene
 Concen: 3.503 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Tgt Ion:166 Resp: 34569
 Ion Ratio Lower Upper
 166 100
 165 95.3 79.8 119.8
 167 16.0 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

ClientSampleId :

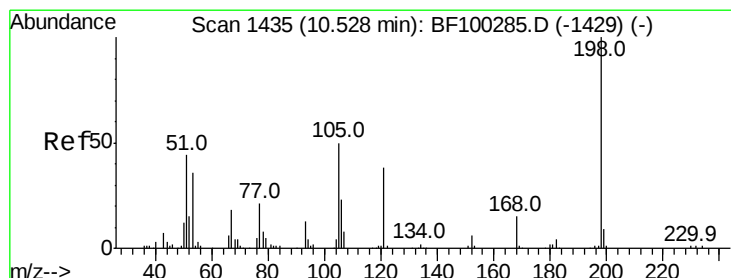
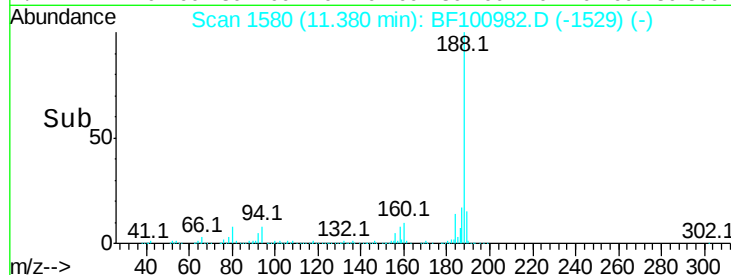
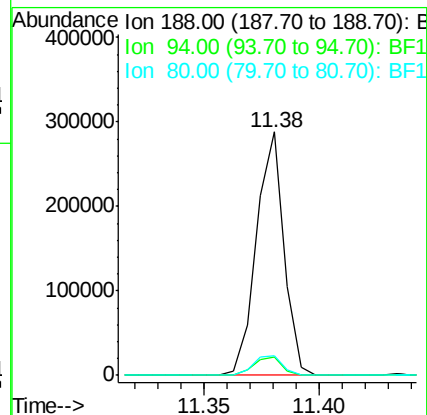
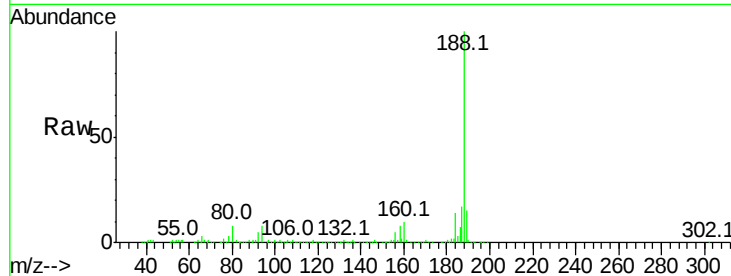
Tot Ion:188 Resp: 241018

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

80 8.1 9.2 13.8#



#64

4,6-Dinitro-2-methylphenol

Concen: 8.731 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

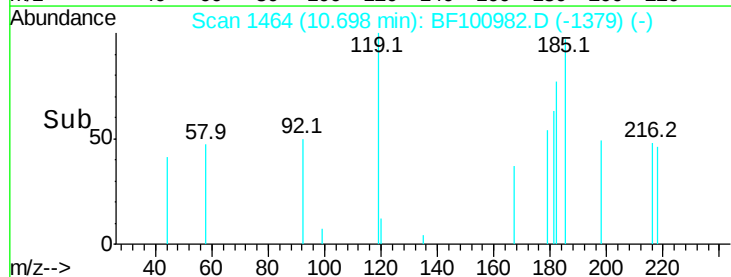
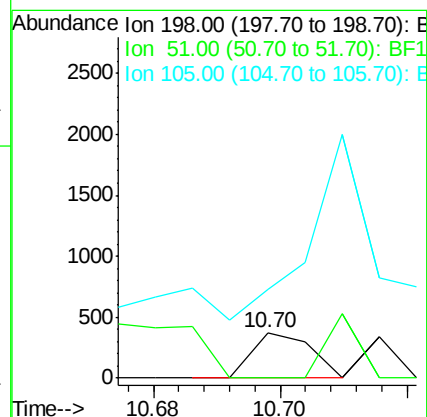
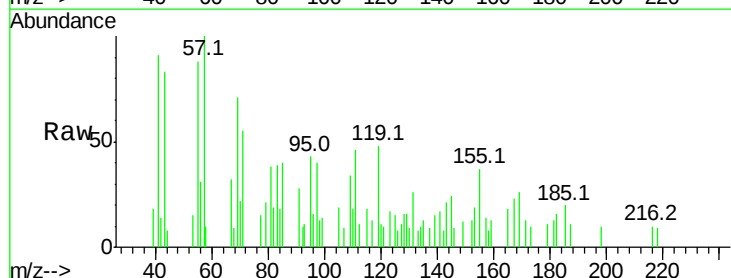
Tgt Ion:198 Resp: 238

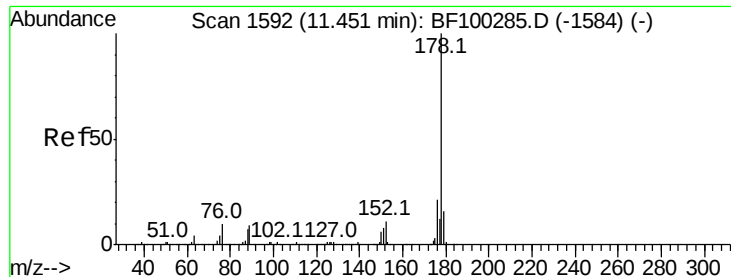
Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

105 195.2 36.3 76.3#

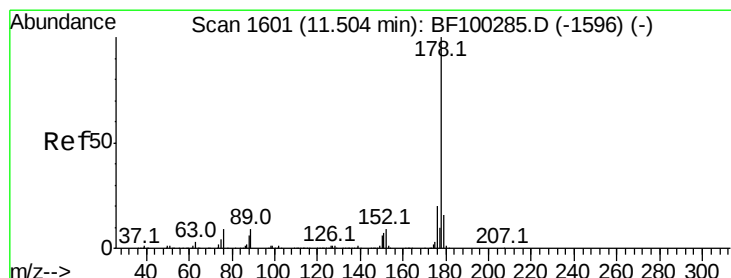
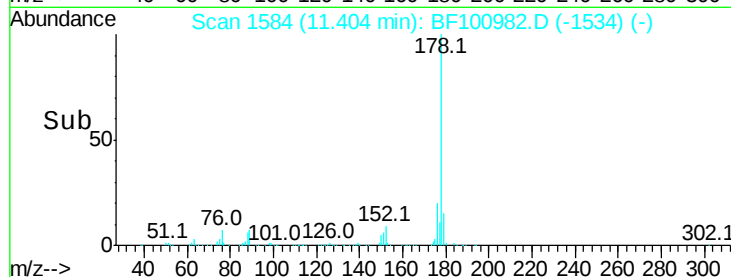
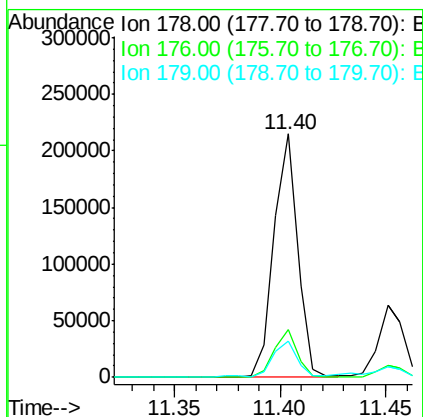
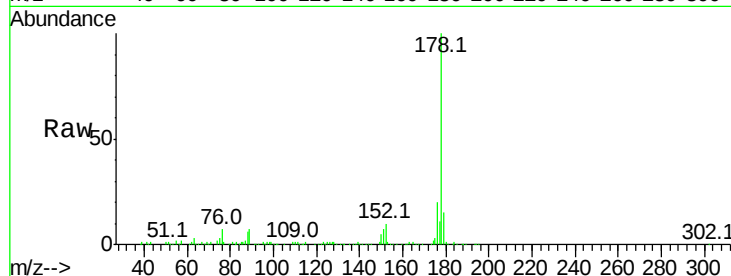




#70
Phenanthrene
Concen: 13.347 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

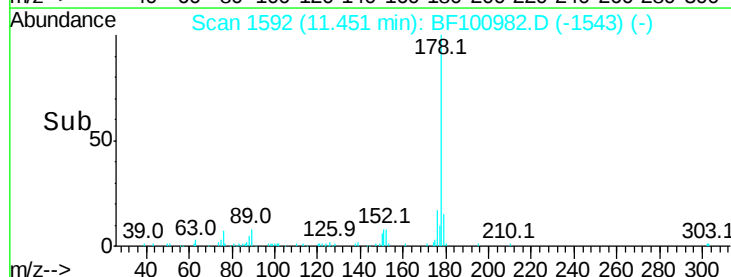
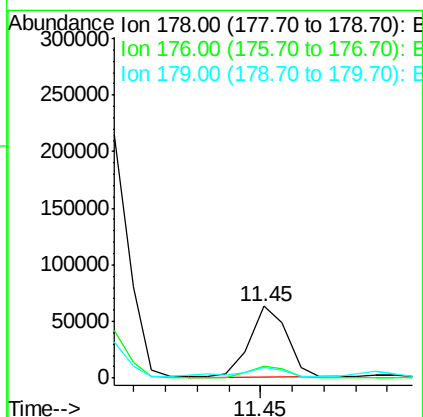
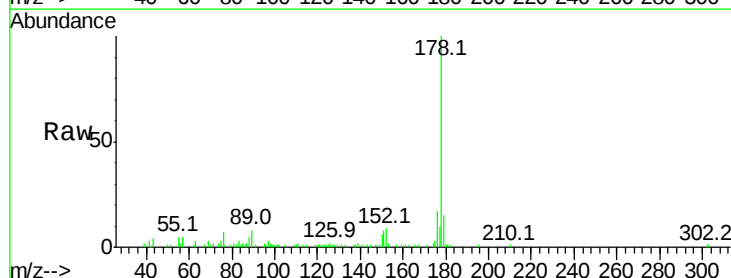
Instrument :
BNA_F
ClientSampled :

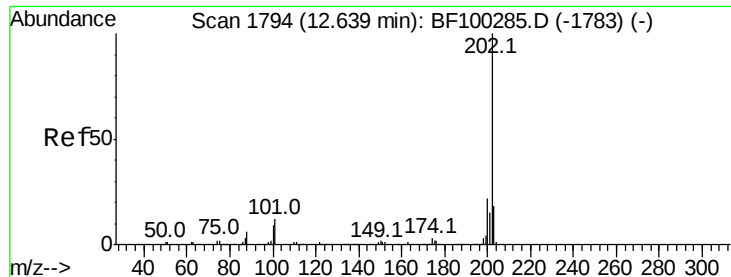
Tot Ion:178 Resp: 169372
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 3.985 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:178 Resp: 51299
Ion Ratio Lower Upper
178 100
176 16.6 15.4 23.2
179 15.1 12.6 19.0





#74

Fluoranthene

Concen: 11.364 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

Instrument :

BNA_F

ClientSampleId :

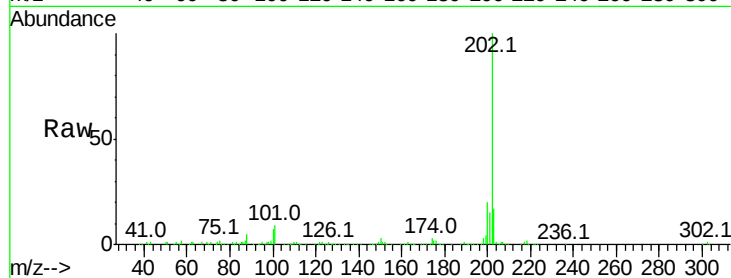
Tot Ion:202 Resp: 152832

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

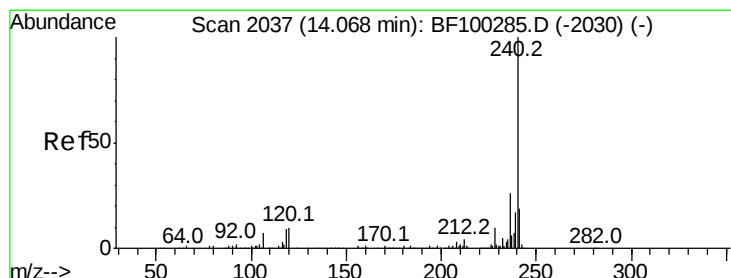
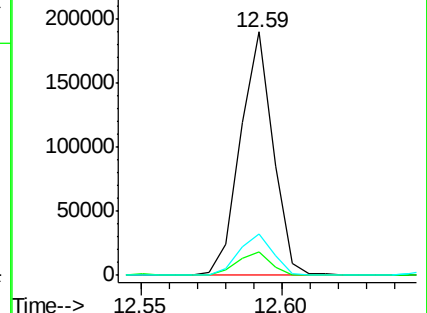
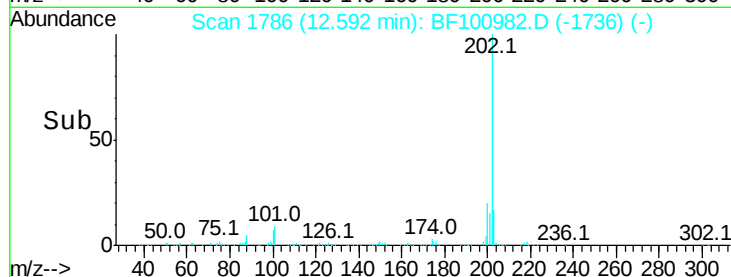
203 16.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100982.D

Acq: 29 Nov 2017 17:11

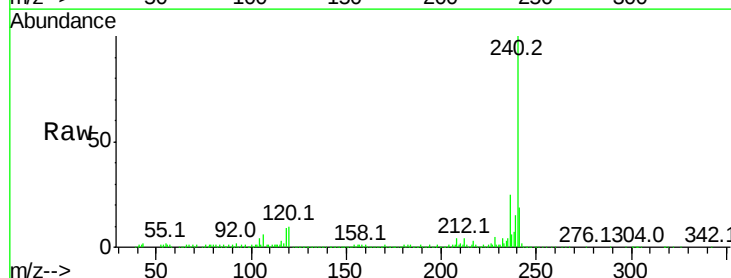
Tgt Ion:240 Resp: 196435

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

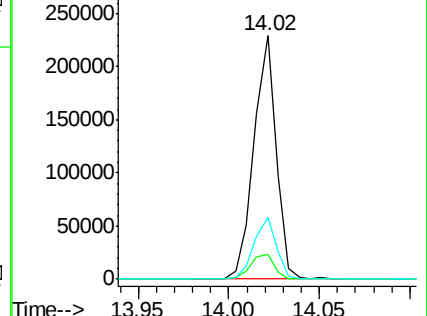
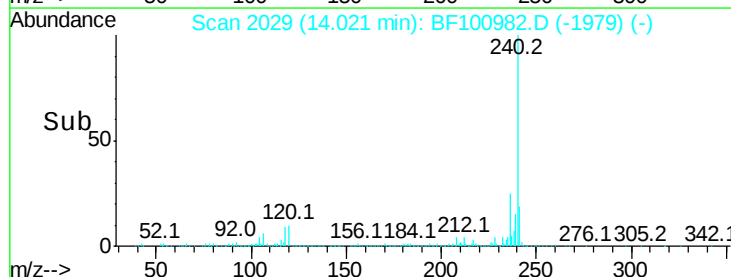
236 25.2 20.7 31.1

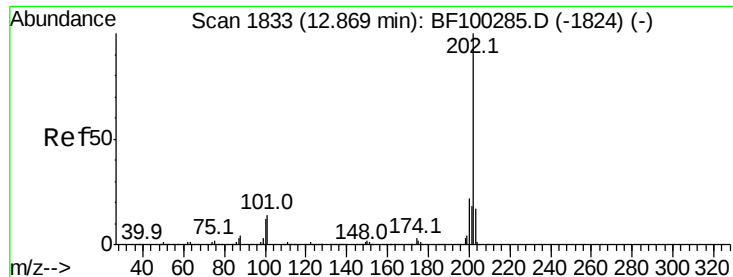


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

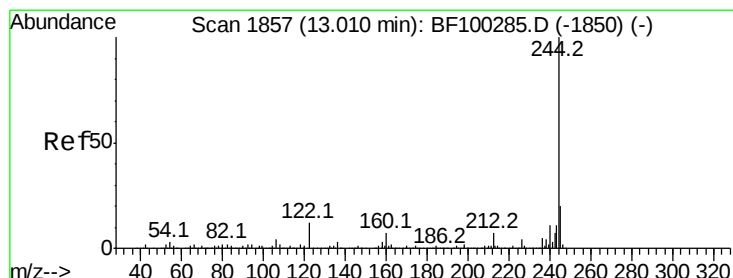
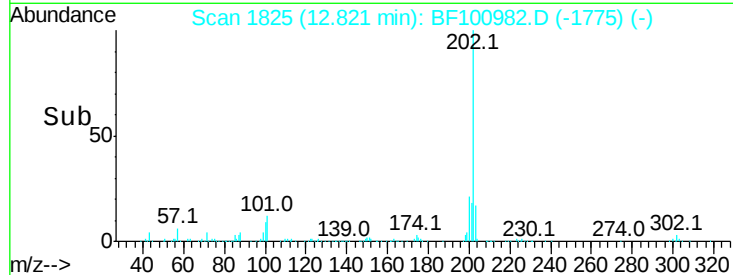
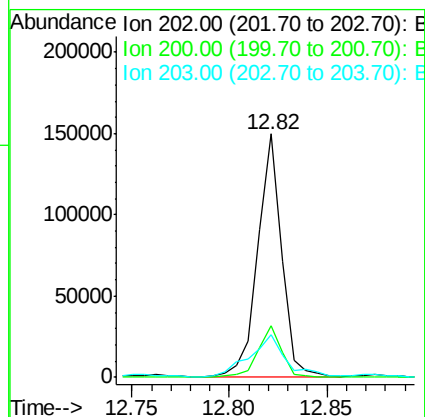
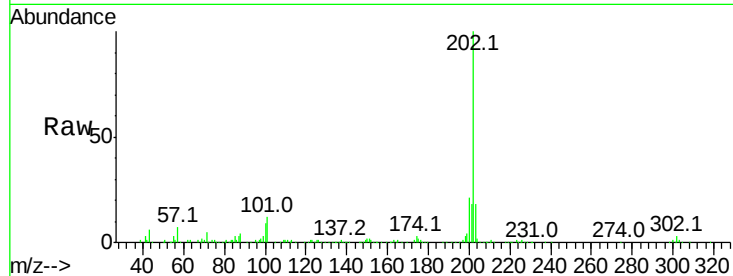




#77
Pvrene
Concen: 9.012 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

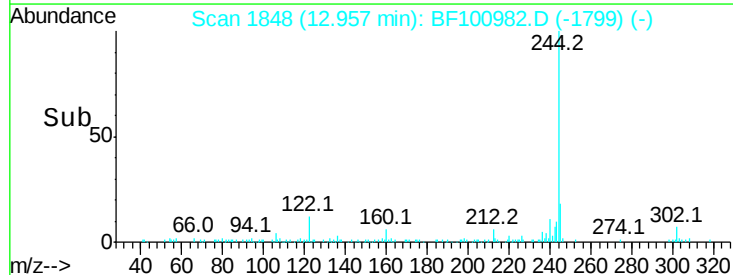
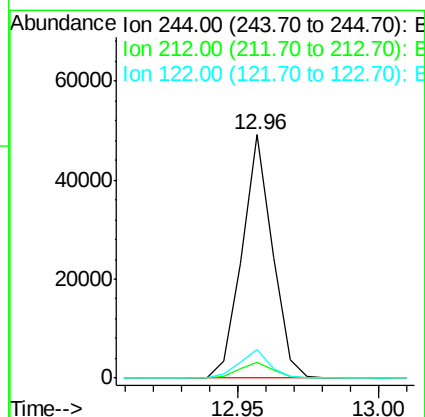
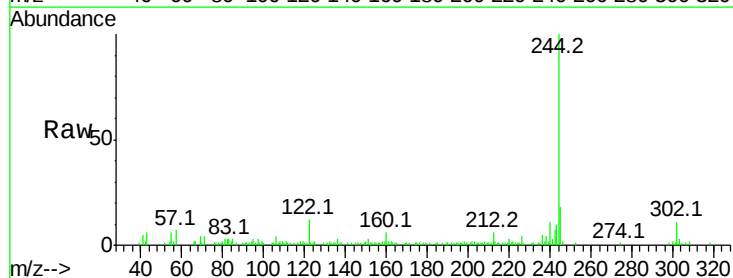
Instrument :
BNA_F
ClientSampleId :

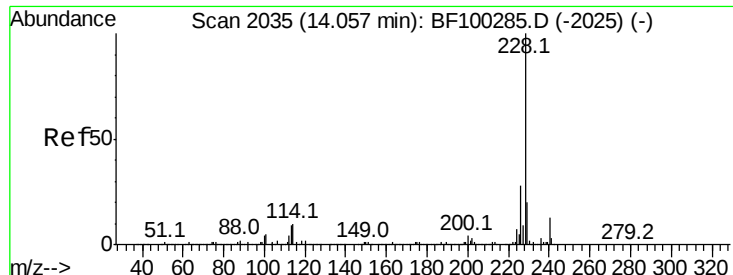
Tot Ion:202 Resp: 126198
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 4.294 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:244 Resp: 36708
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 11.6 11.0 16.4

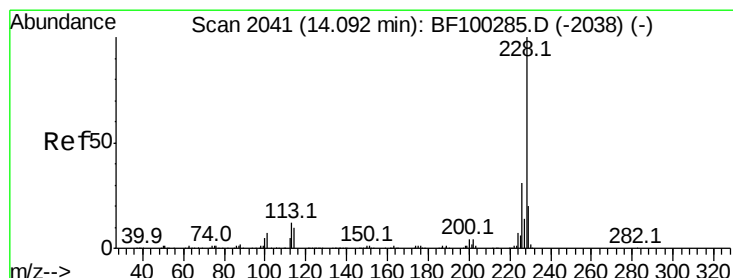
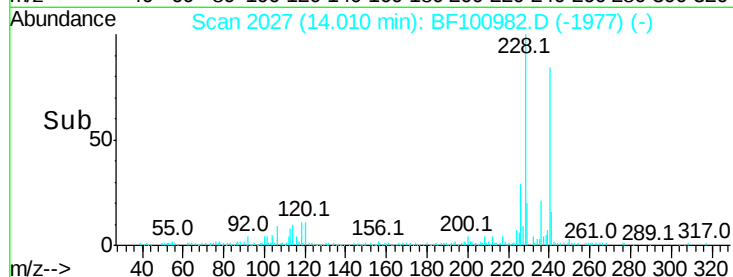
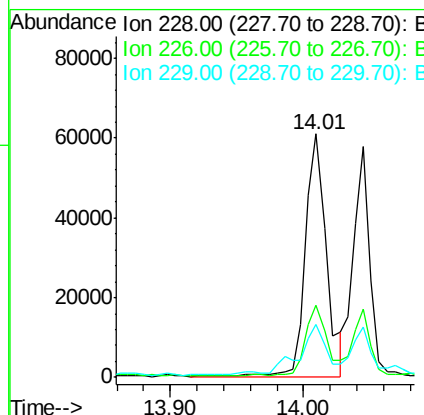
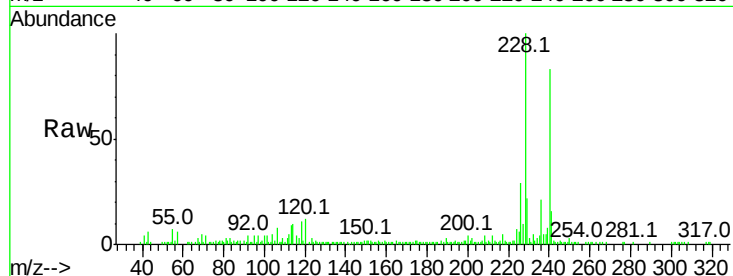




#80
Benzo(a)anthracene
Concen: 5.658 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

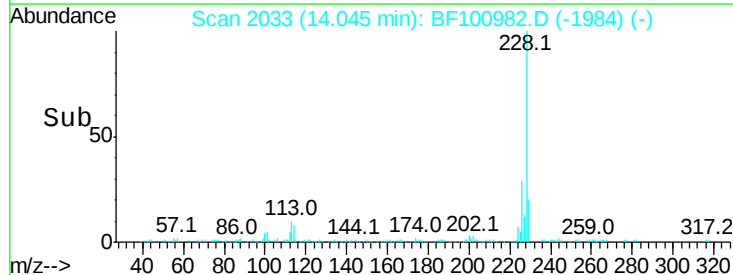
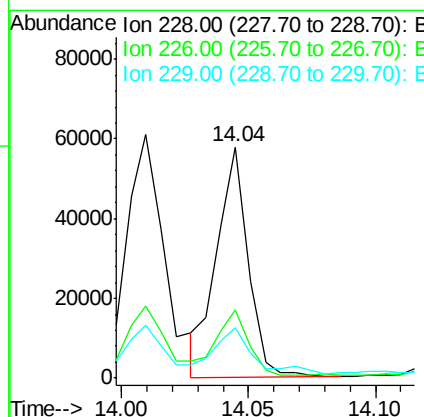
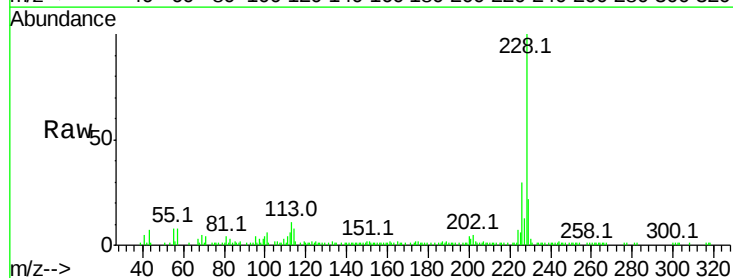
Instrument :
BNA_F
ClientSampleId :

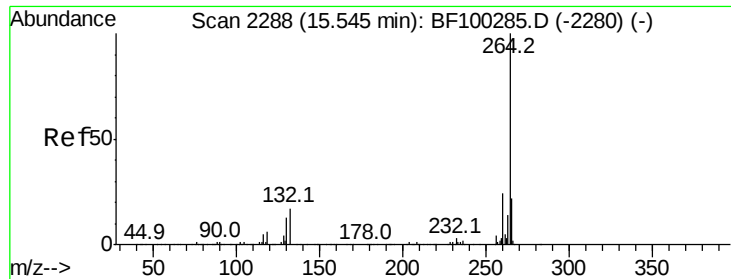
Tot Ion:228 Resp: 66933
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 4.372 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:228 Resp: 50080
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 21.8 16.2 24.4



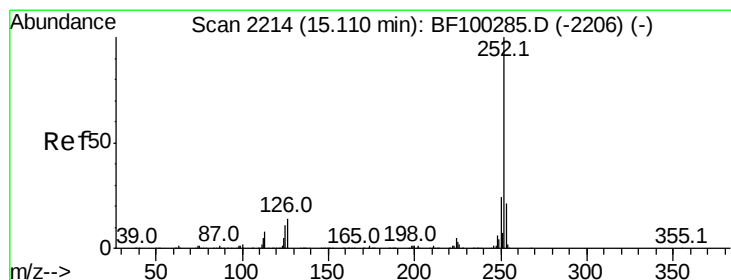
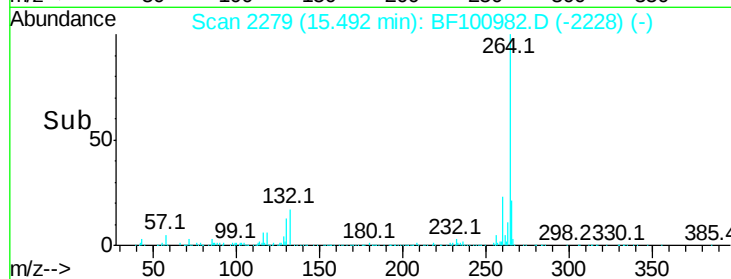
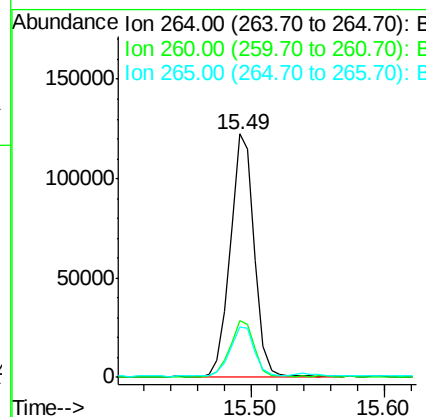
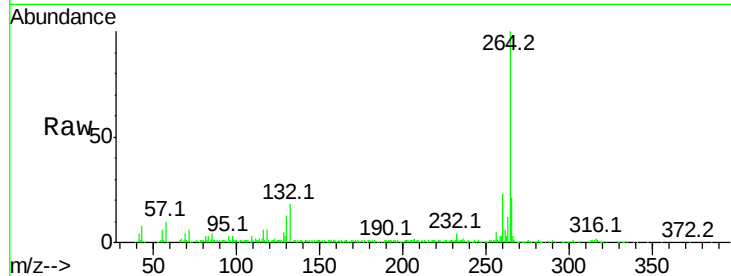


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 153750

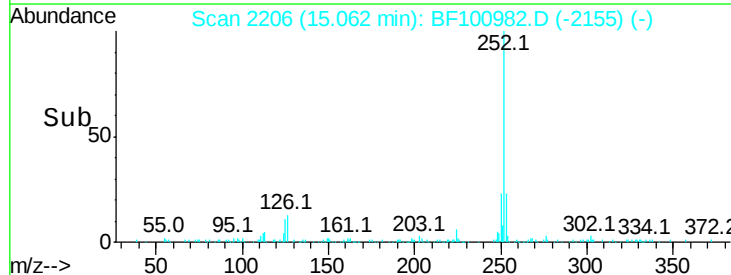
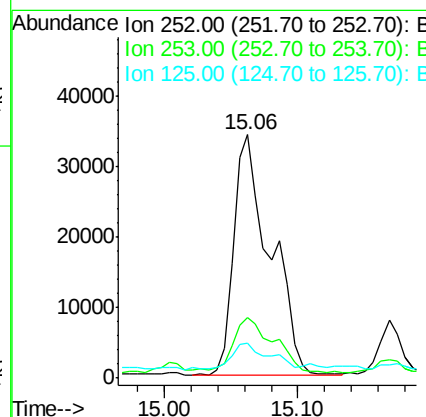
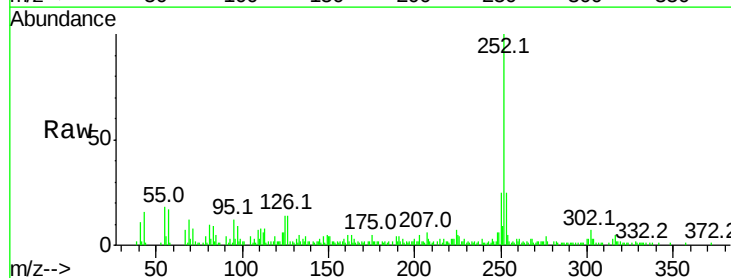
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.8	17.5	26.3

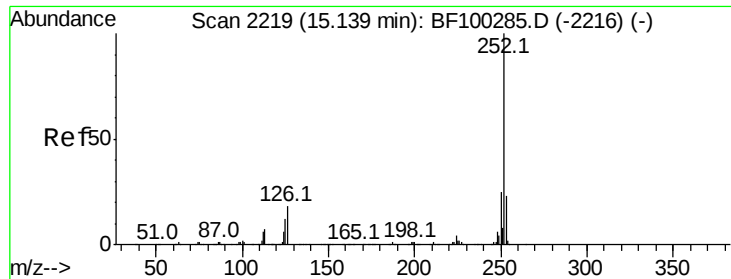


#87
Benzo(b)fluoranthene
Concen: 7.096 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:252 Resp: 64634

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	14.4	9.0	13.6

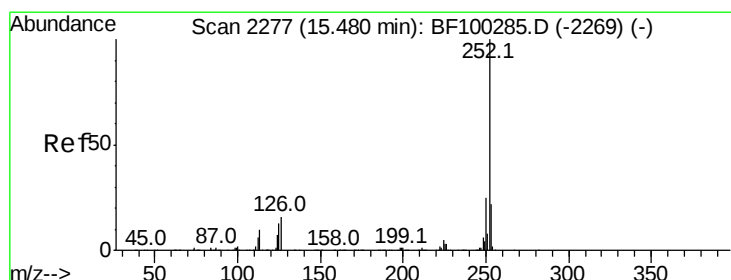
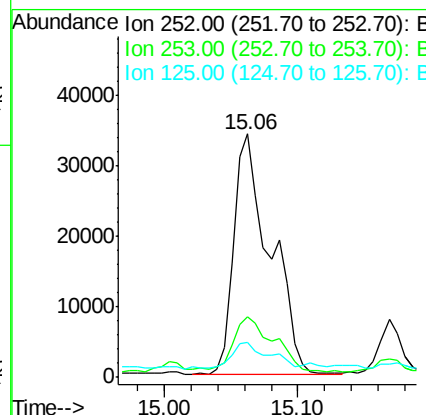
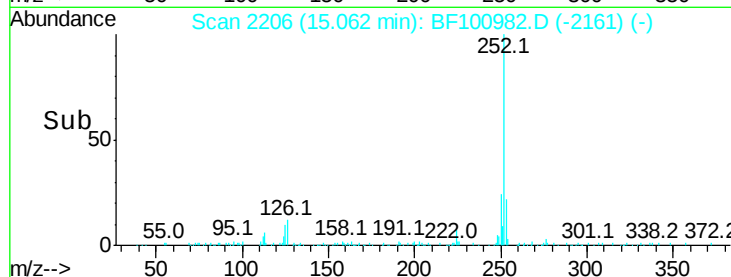
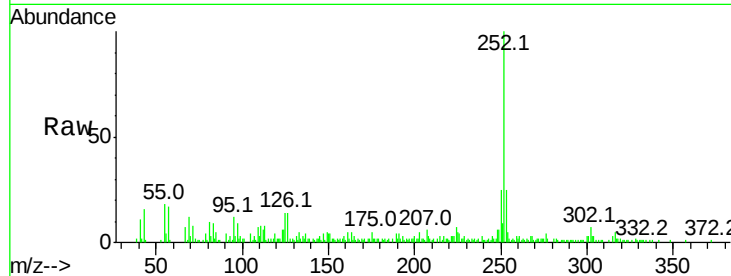




#88
Benzo(k)fluoranthene
Concen: 7.510 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

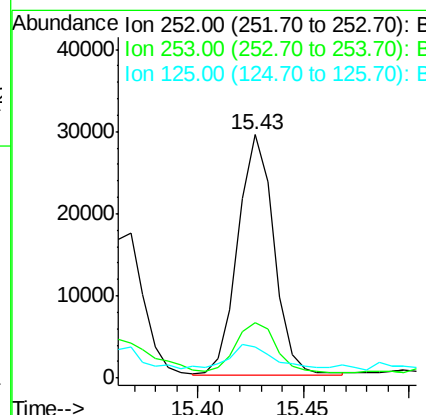
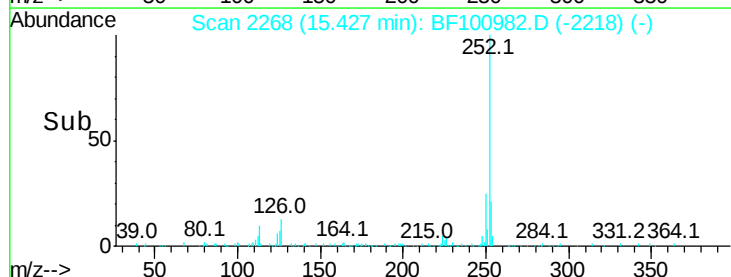
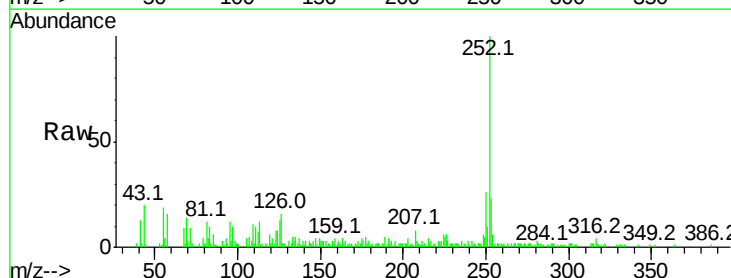
Instrument :
BNA_F
ClientSampleId :

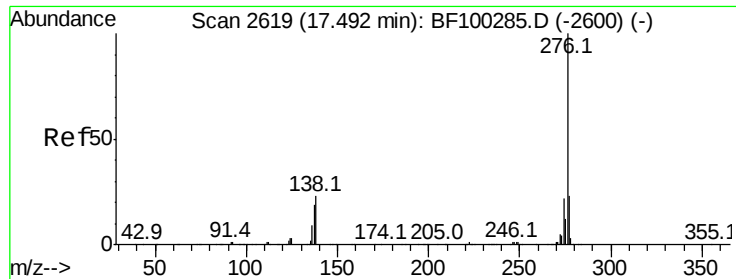
Tot Ion:252 Resp: 64634
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.270 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF100982.D
Acq: 29 Nov 2017 17:11

Tgt Ion:252 Resp: 34480
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.9 9.8 14.6

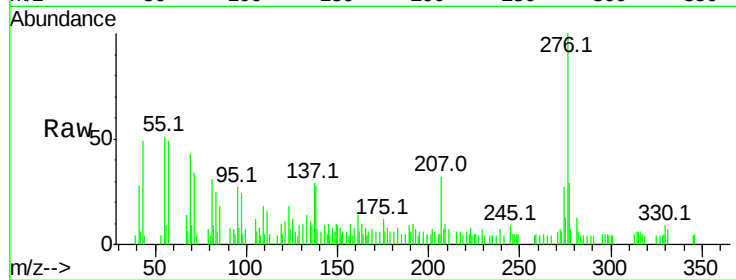




#91
 Benzo(a,h,i)perylene
 Concen: 2.665 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF100982.D
 Acq: 29 Nov 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9
138	27.7	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

