

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100582.D
 Acq On : 15 Nov 2017 12:35
 Operator : SJ/JU
 Sample : I6441-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 15 13:31:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	122389	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	473123	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	206717	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	327405	20.00	ng	0.00
75) Chrysene-d12	14.04	240	248902	20.00	ng	-0.01
86) Perylene-d12	15.52	264	276202	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	155708	20.39	ng	-0.01
7) Phenol-d6	6.50	99	191949	20.39	ng	-0.02
23) Nitrobenzene-d5	7.44	82	112541	15.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	37540	17.82	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	195383	14.39	ng	-0.01
78) Terphenyl-d14	12.98	244	107959	9.97	ng	-0.01

Target Compounds

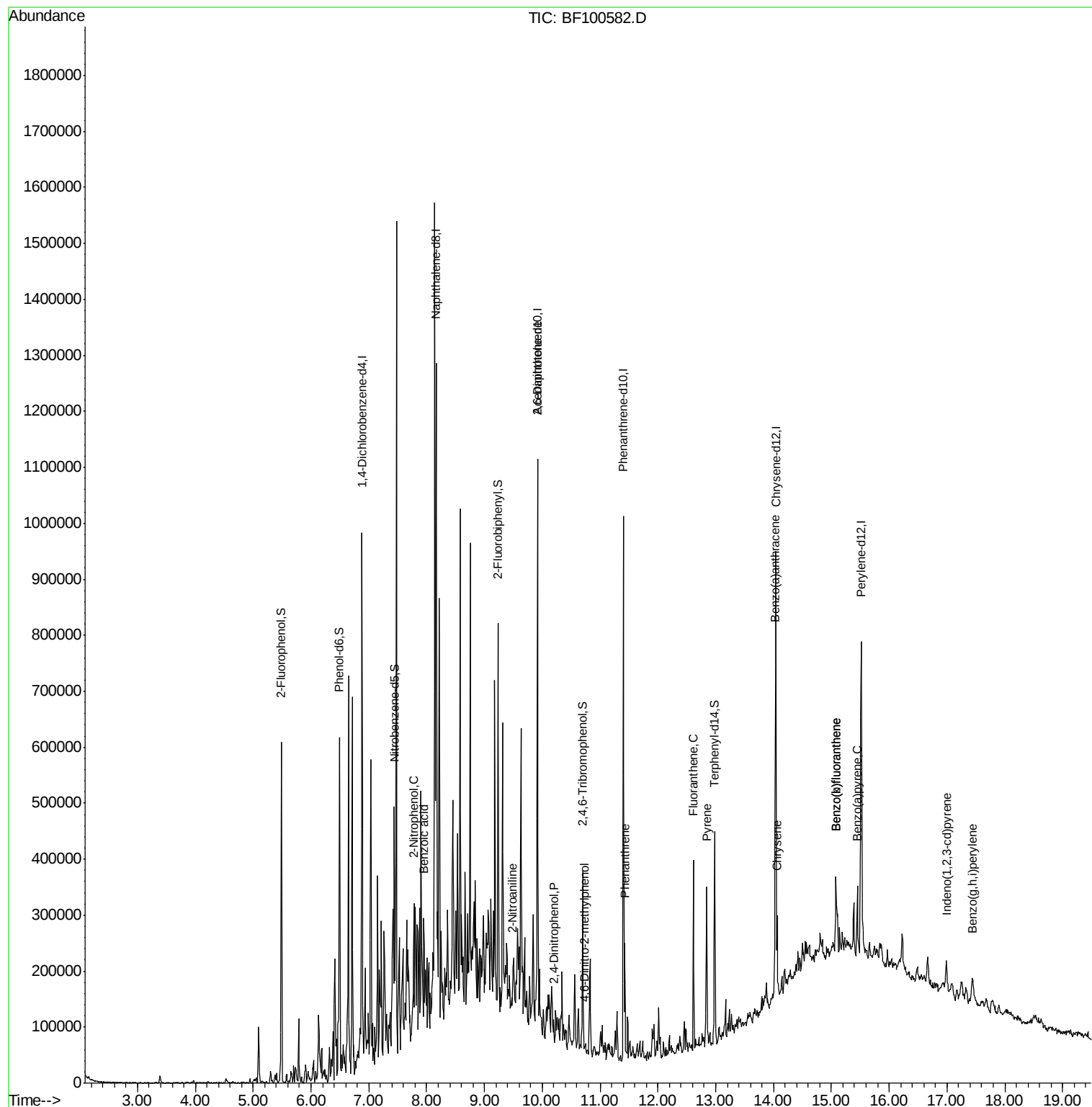
						Qvalue
26) 2-Nitrophenol	7.77	139	1146	5.674	ng	# 1
32) Benzoic acid	7.95	122	800	9.495	ng	# 27
47) 2-Nitroaniline	9.49	65	423	2.888	ng	# 46
50) 2,6-Dinitrotoluene	9.92	165	28145	9.009	ng	# 26
53) 2,4-Dinitrophenol	10.21	184	121	7.936	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	300	8.719	ng	# 1
70) Phenanthrene	11.43	178	68815	3.992	ng	97
74) Fluoranthene	12.62	202	113642	6.220	ng	96
77) Pyrene	12.85	202	107858	6.079	ng	98
80) Benzo(a)anthracene	14.03	228	64479	4.302	ng	98
82) Chrysene	14.06	228	54880	3.781	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	32540	2.772	ng	# 92
87) Benzo(b)fluoranthene	15.08	252	103973	6.354	ng	# 97
88) Benzo(k)fluoranthene	15.08	252	103973	6.725	ng	98
89) Benzo(a)pyrene	15.45	252	61129	4.214	ng	96
91) Benzo(g,h,i)perylene	17.44	276	30817	2.654	ng	# 87

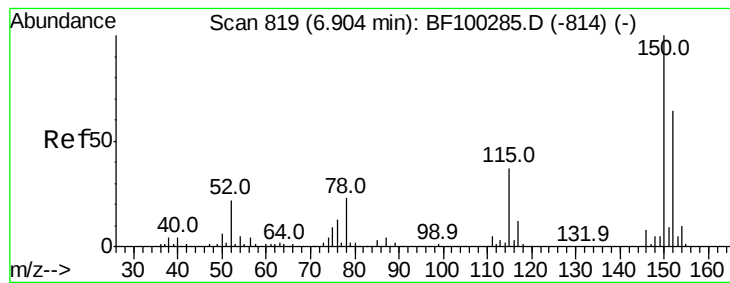
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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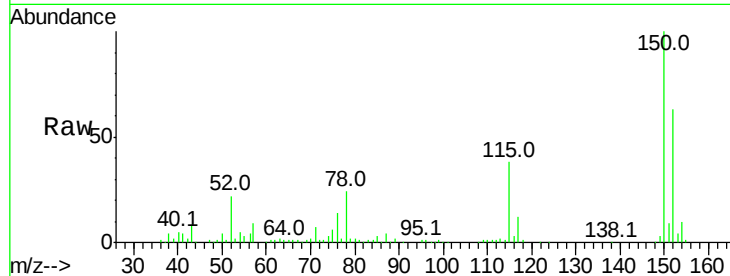


#1

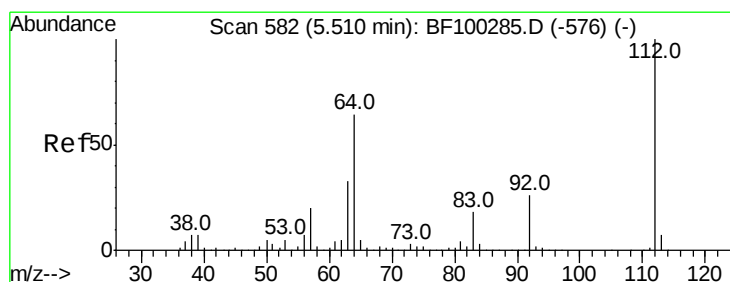
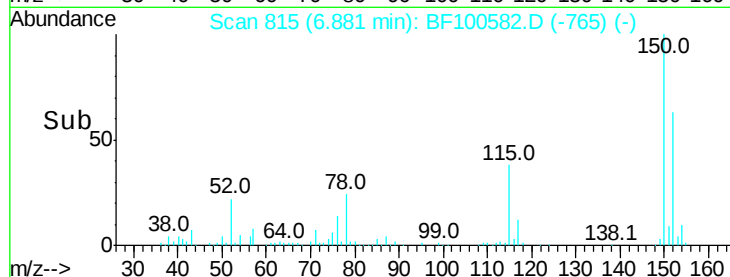
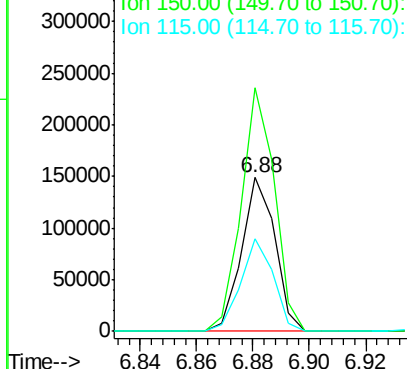
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	60.7	50.1	75.1



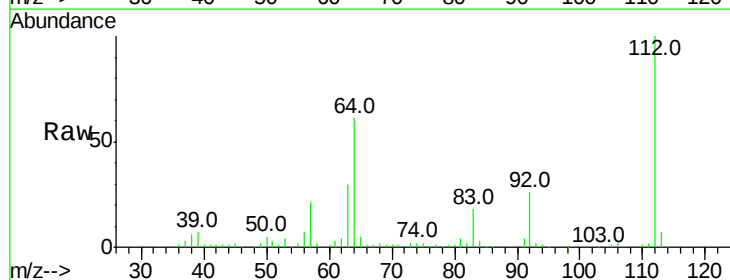
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



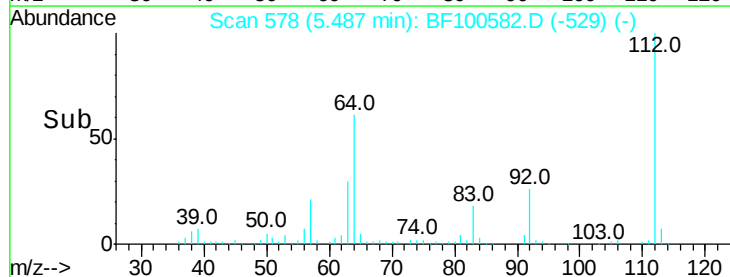
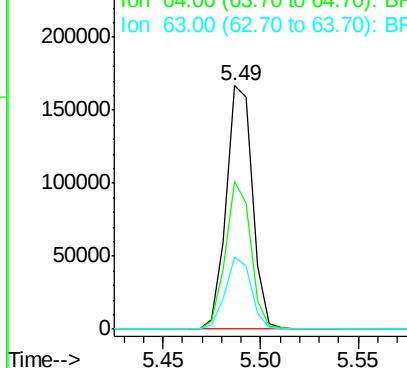
#5

2-Fluorophenol
Concen: 20.394 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	29.6	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: 20.388 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampled :

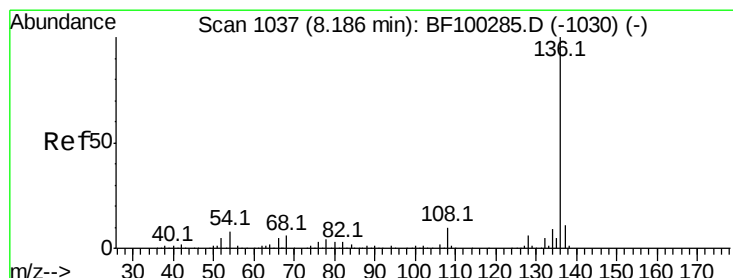
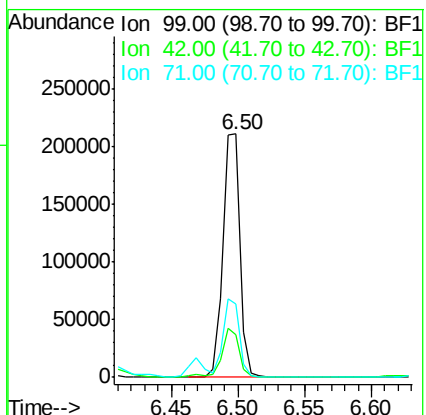
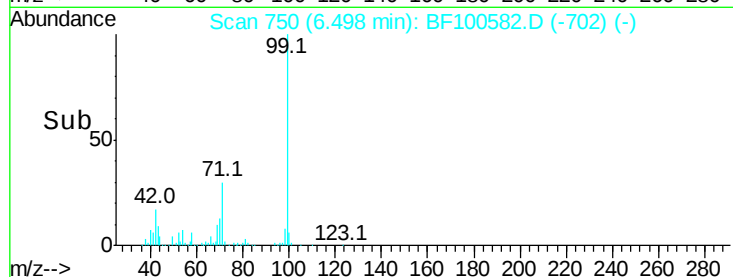
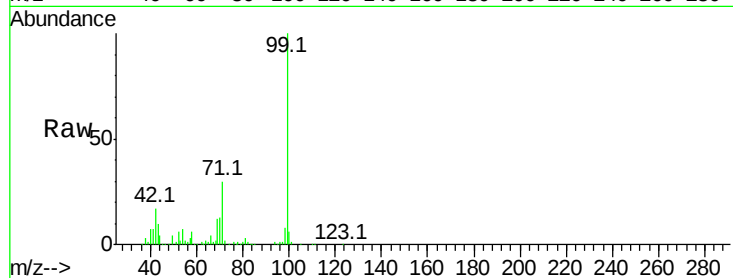
Tot Ion: 99 Resp: 191949

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

71 30.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Tgt Ion: 136 Resp: 473123

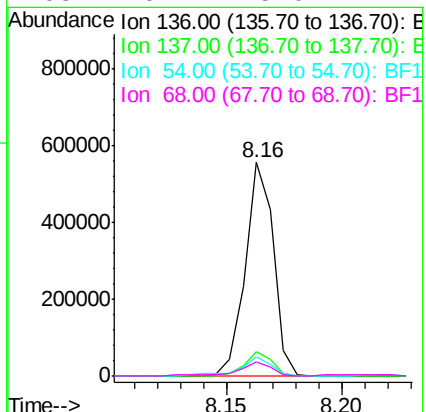
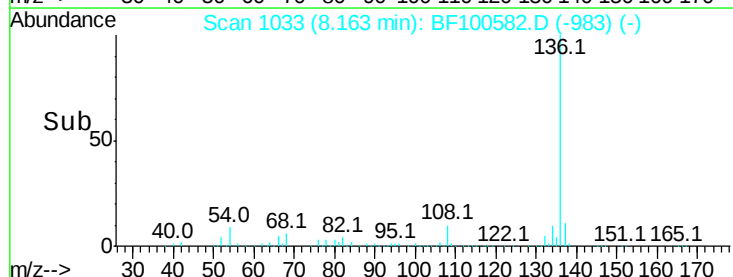
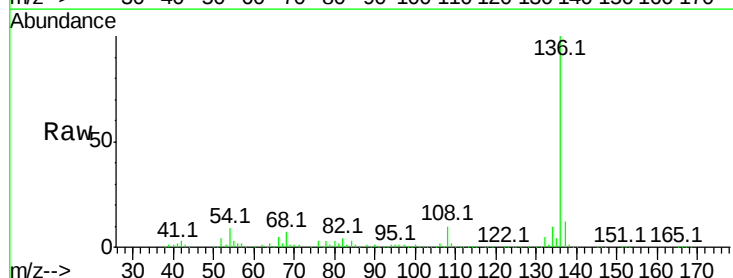
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 9.1 6.6 9.8

68 6.7 5.0 7.4

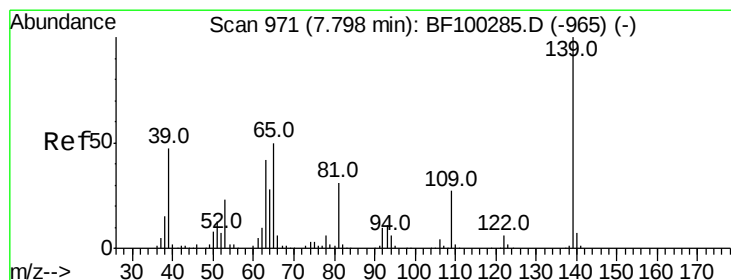
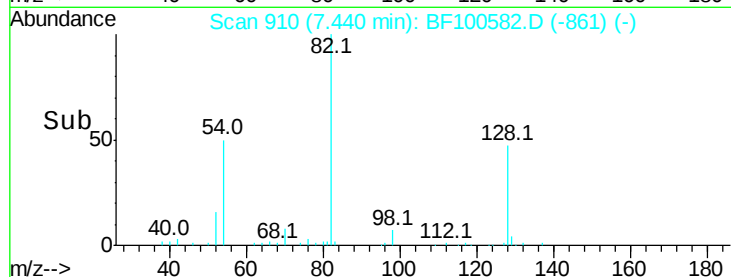
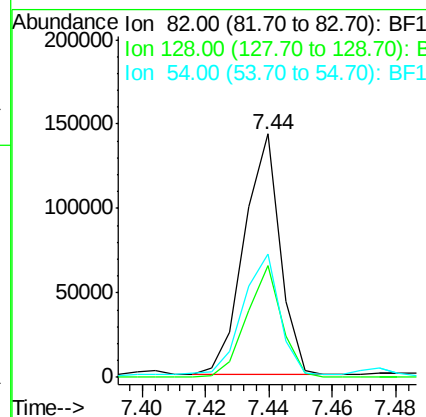
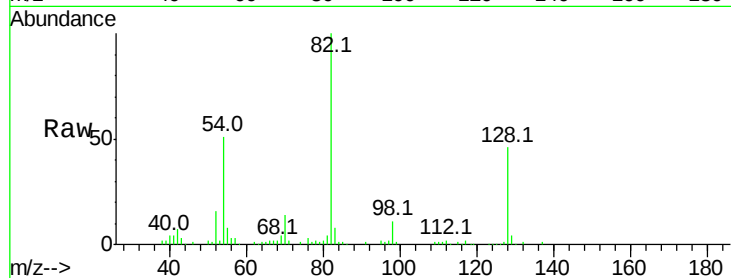




#23
Nitrobenzene-d5
Concen: 15.726 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

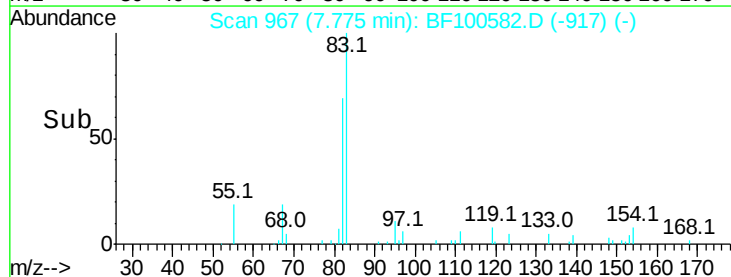
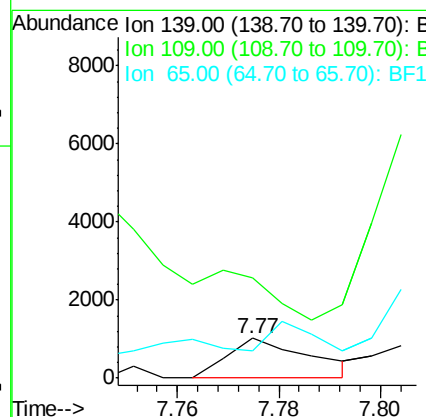
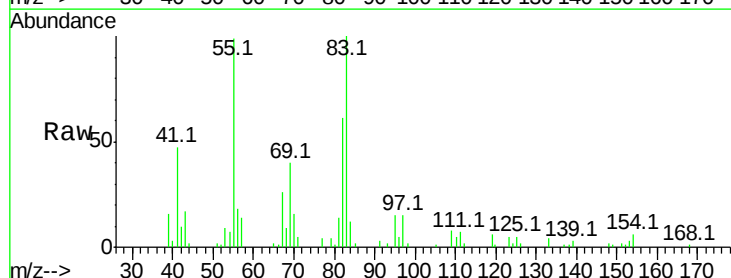
Instrument :
BNA_F
ClientSampleId :

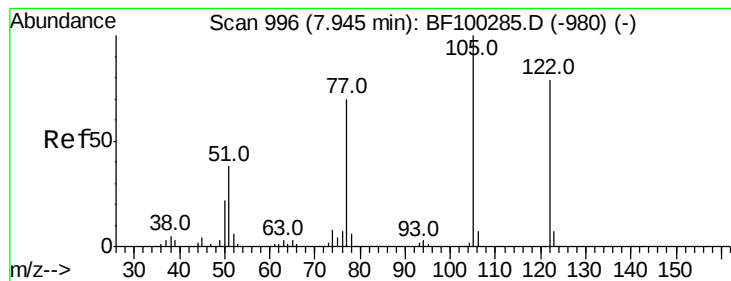
Tot Ion: 82 Resp: 112541
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 50.8 41.4 62.2



#26
2-Nitrophenol
Concen: 5.674 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

Tgt Ion:139 Resp: 1146
Ion Ratio Lower Upper
139 100
109 253.1 22.7 34.1#
65 68.5 40.5 60.7#





#32

Benzoic acid

Concen: 9.495 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

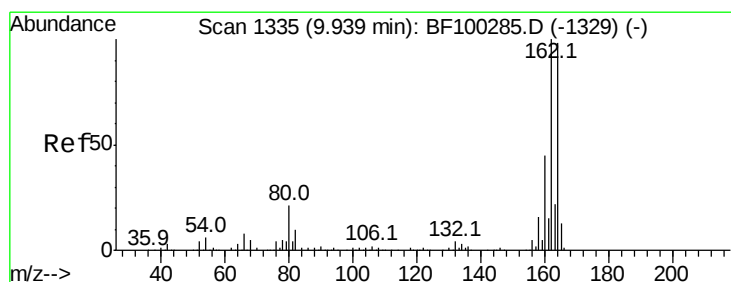
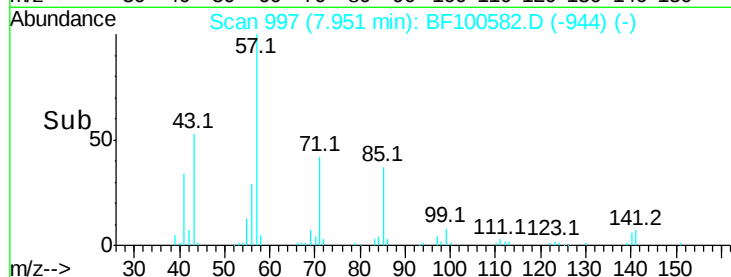
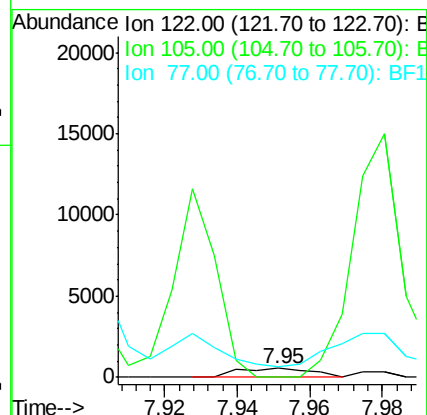
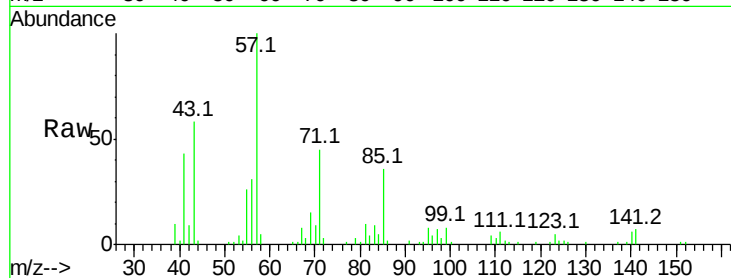
Tot Ion:122 Resp: 800

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 116.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

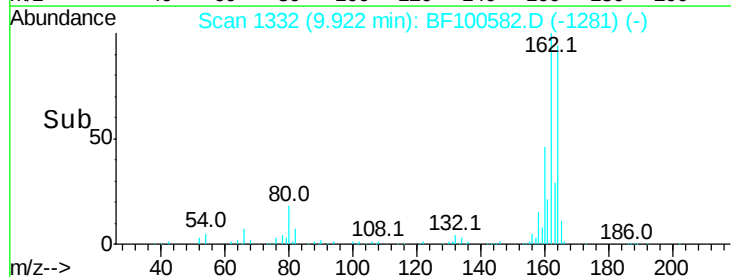
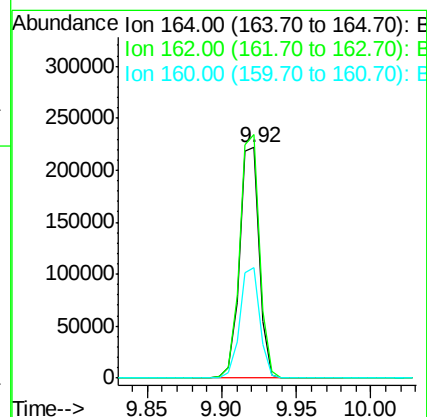
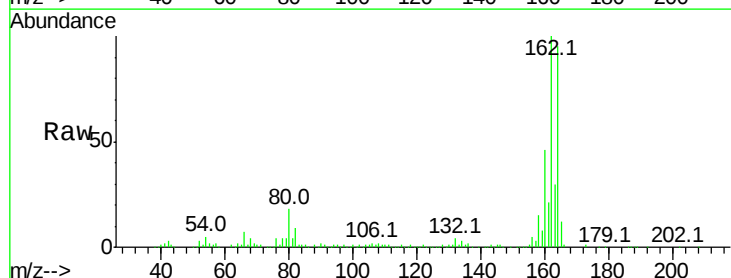
Tgt Ion:164 Resp: 206717

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

160 48.1 38.3 57.5

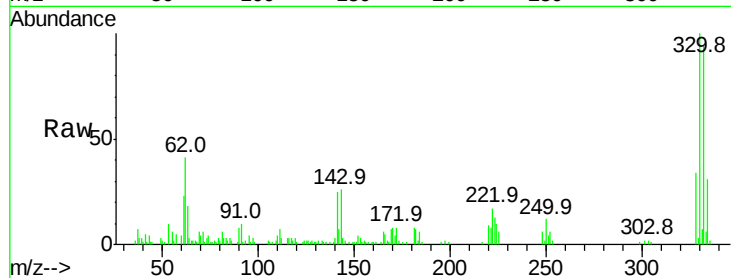




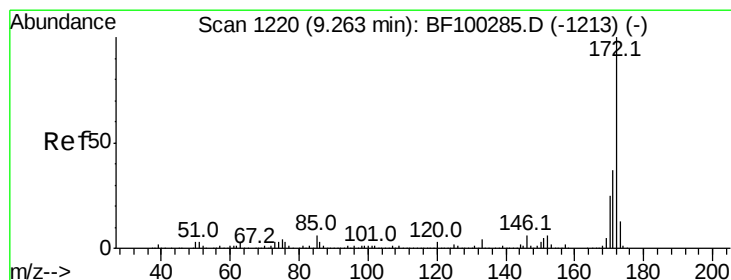
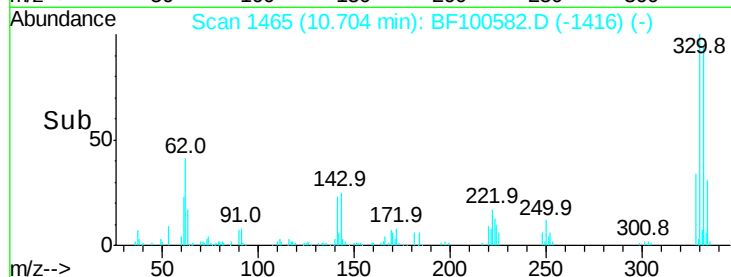
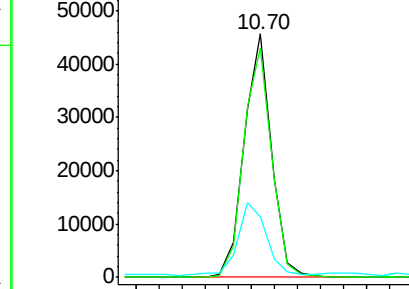
#41
 2,4,6-Tribromophenol
 Concen: 17.821 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100582.D
 Acq: 15 Nov 2017 12:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37540
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 31.2 29.9 44.9

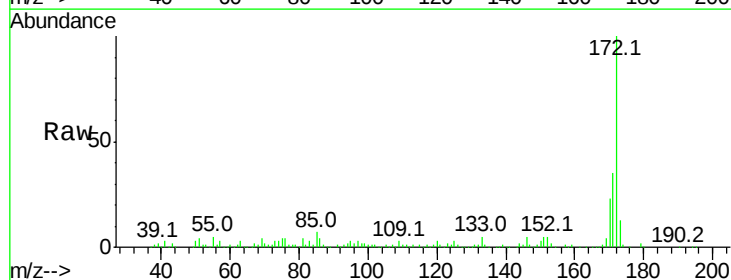


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

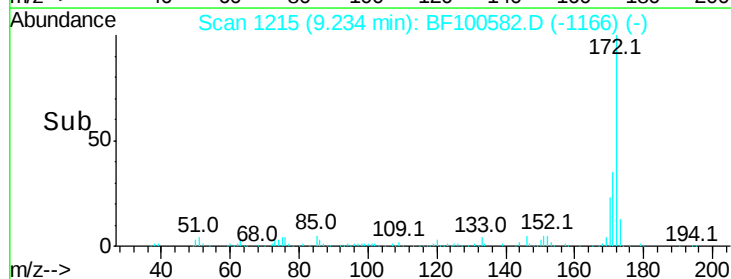
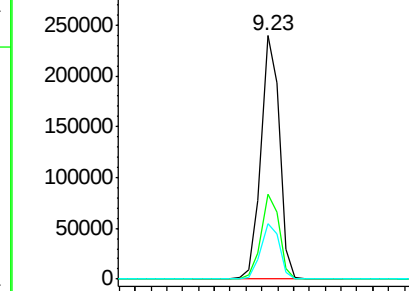


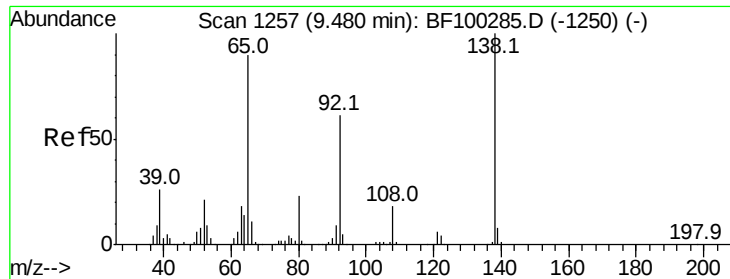
#44
 2-Fluorobiphenyl
 Concen: 14.392 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100582.D
 Acq: 15 Nov 2017 12:35

Tgt Ion:172 Resp: 195383
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 22.9 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: 2.888 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.02 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampled :

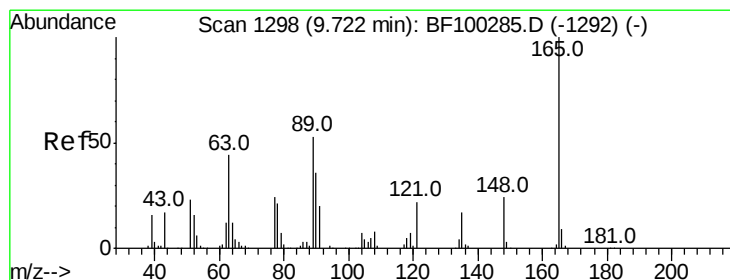
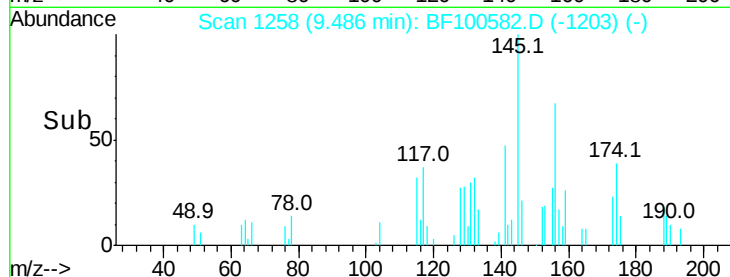
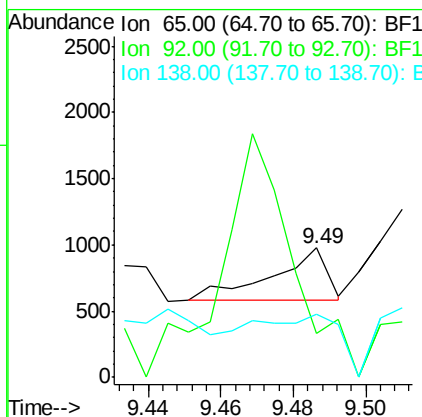
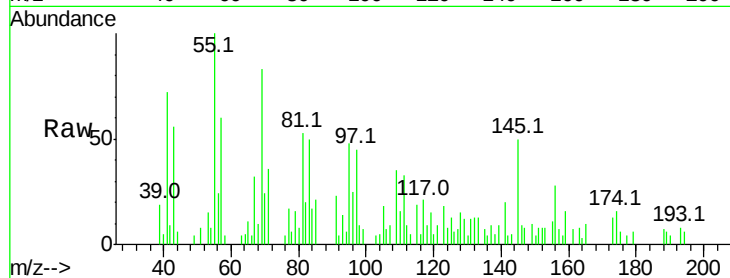
Tot Ion: 65 Resp: 423

Ion Ratio Lower Upper

65 100

92 34.1 55.8 83.6#

138 48.3 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

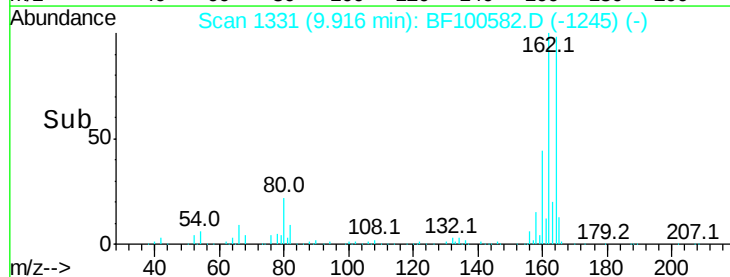
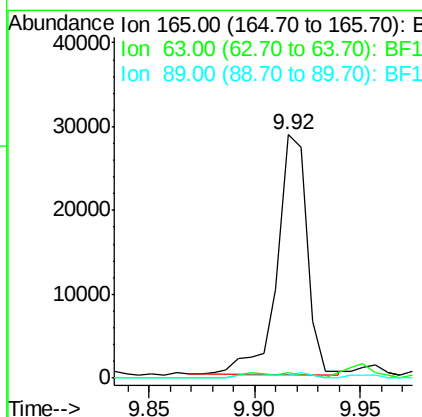
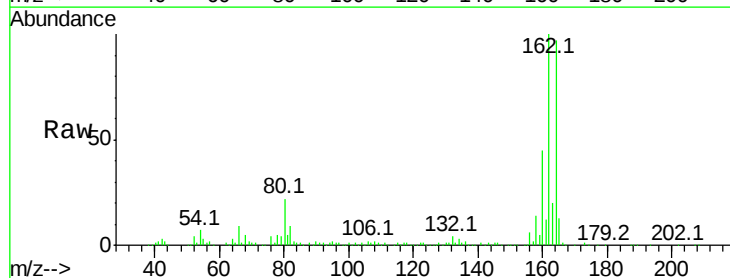
Tgt Ion:165 Resp: 28145

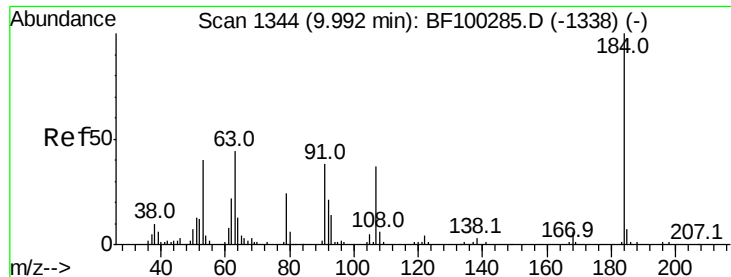
Ion Ratio Lower Upper

165 100

63 2.2 44.7 67.1#

89 1.3 44.0 66.0#

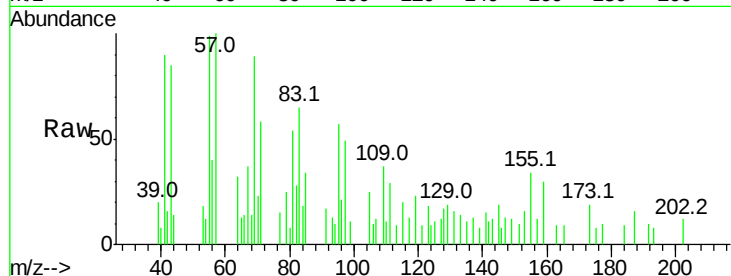




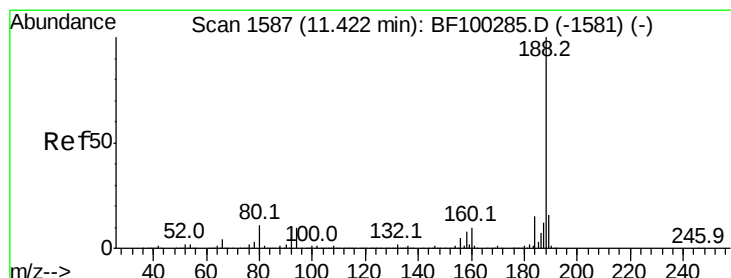
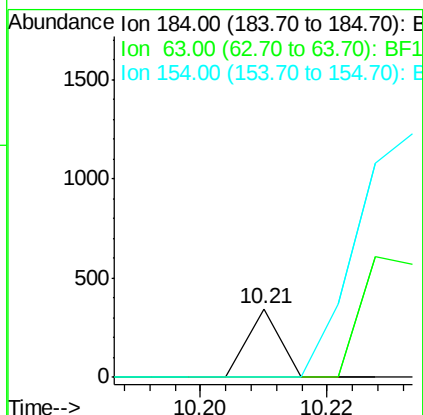
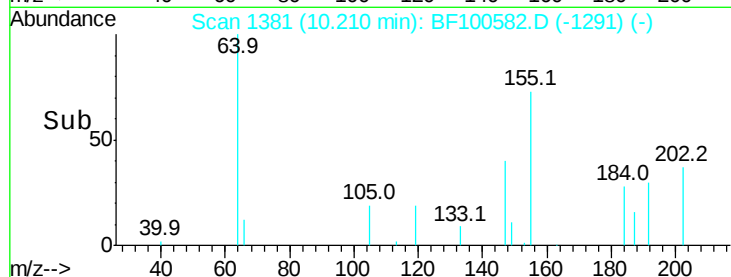
#53
 2,4-Dinitrophenol
 Concen: 7.936 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. 0.23 min
 Lab File: BF100582.D
 Acq: 15 Nov 2017 12:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 121
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#

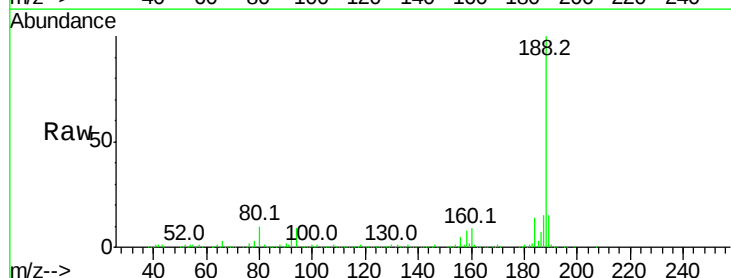


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

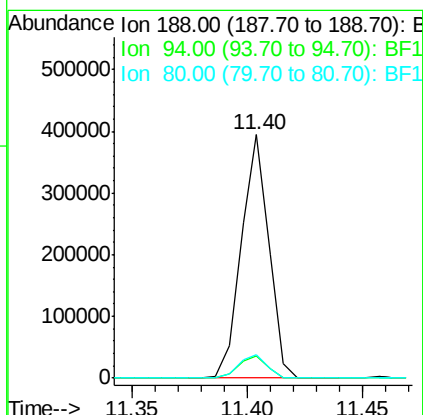
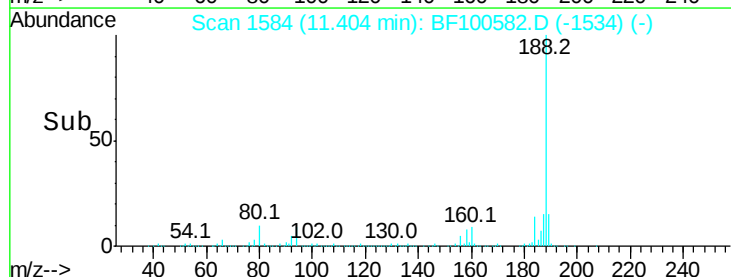


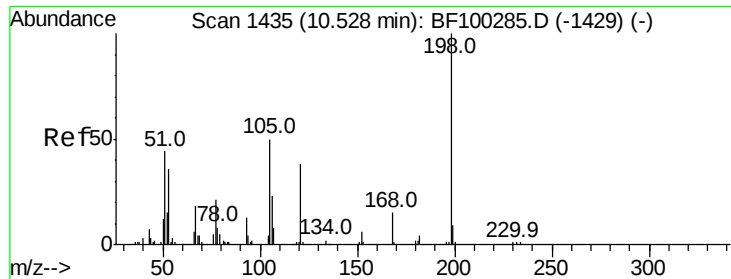
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100582.D
 Acq: 15 Nov 2017 12:35

Tgt Ion:188 Resp: 327405
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 9.8 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

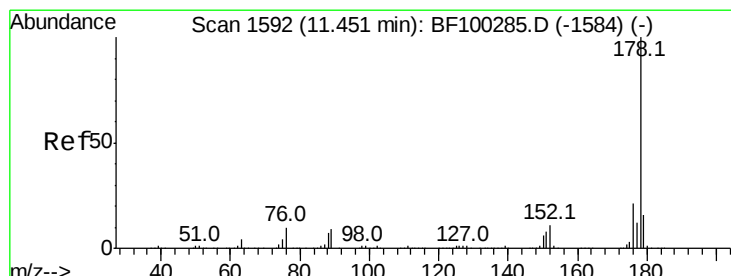
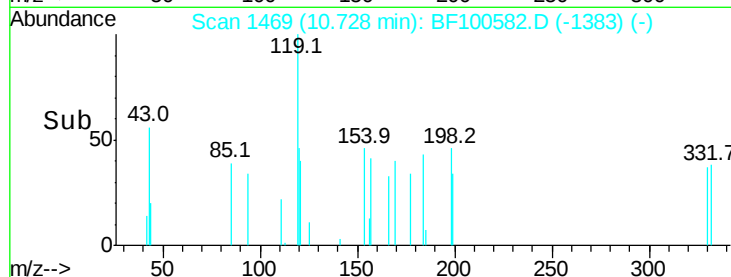
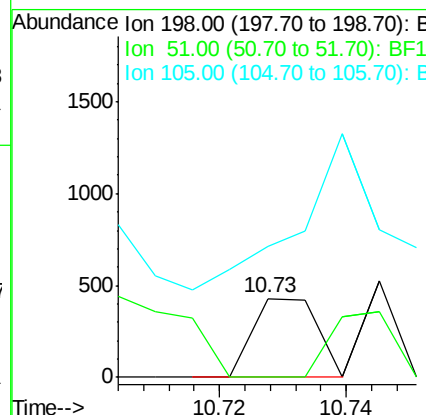
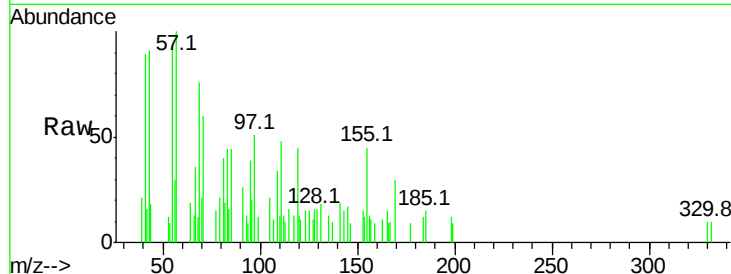




#64
4,6-Dinitro-2-methylphenol
Concen: 8.719 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.21 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

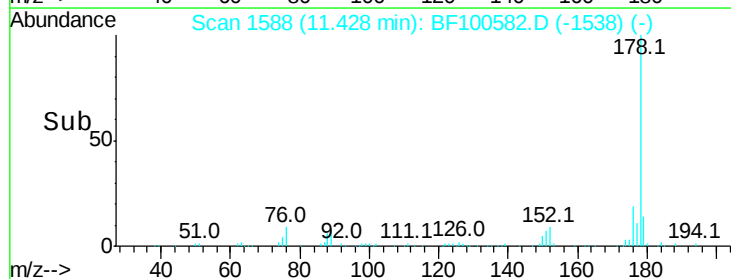
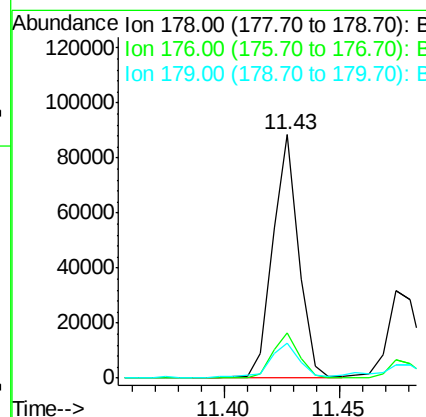
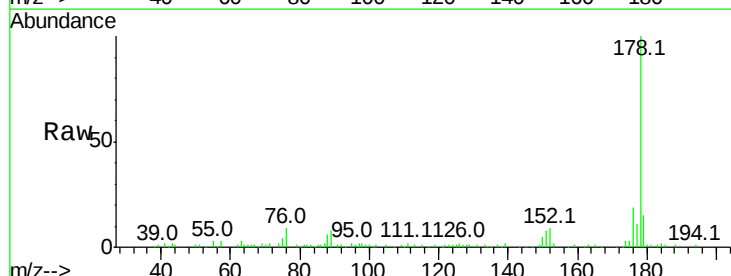
Instrument :
BNA_F
ClientSampleId :

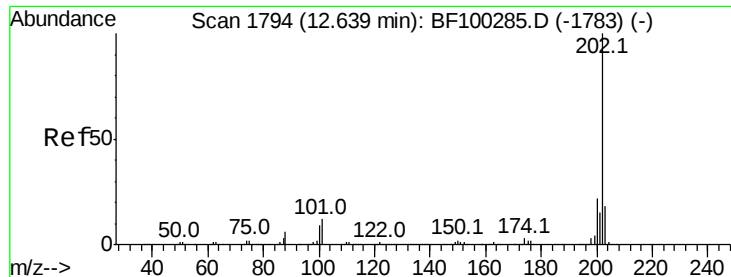
Tot Ion:198 Resp: 300
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 167.1 36.3 76.3#



#70
Phenanthrene
Concen: 3.992 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

Tgt Ion:178 Resp: 68815
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 14.6 13.0 19.6





#74

Fluoranthene

Concen: 6.220 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

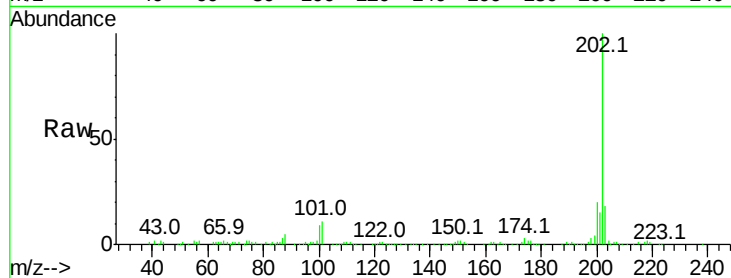
Tot Ion:202 Resp: 113642

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

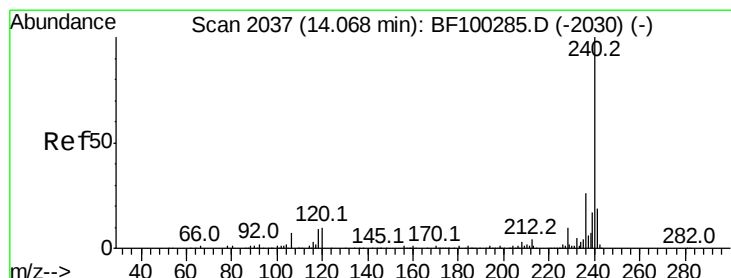
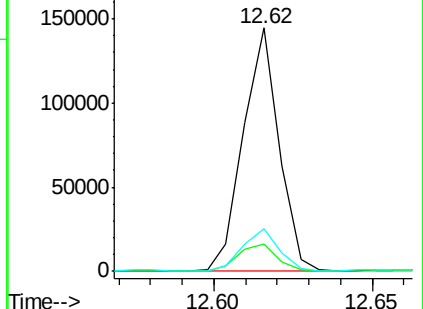
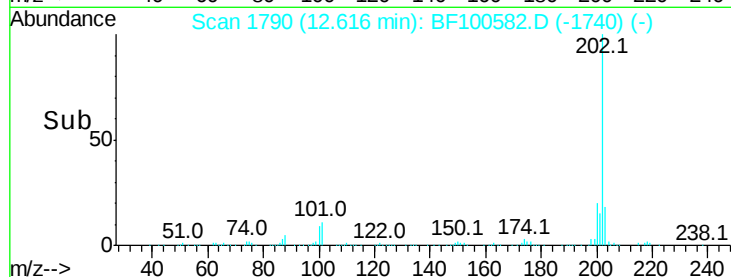
203 17.6 0.0 38.1



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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

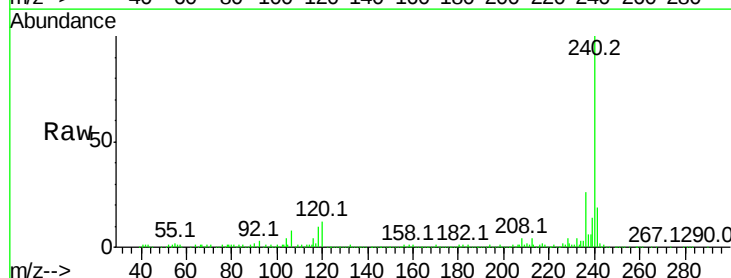
Tgt Ion:240 Resp: 248902

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

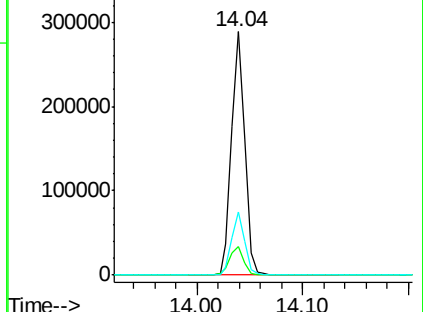
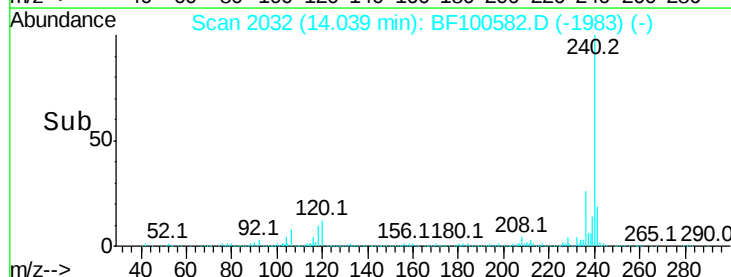
236 26.0 20.7 31.1

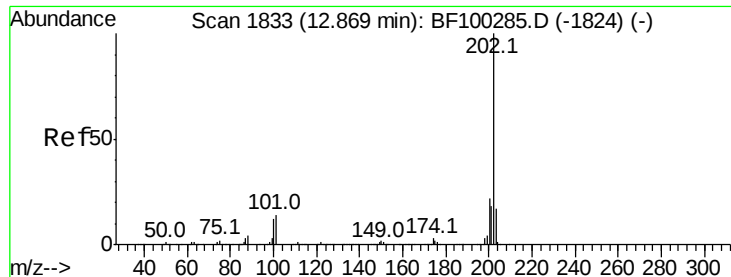


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.079 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

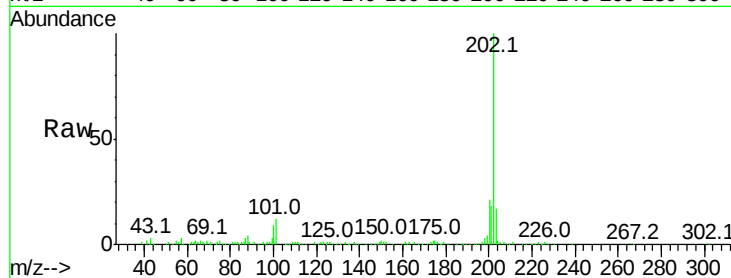
Tot Ion:202 Resp: 107858

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

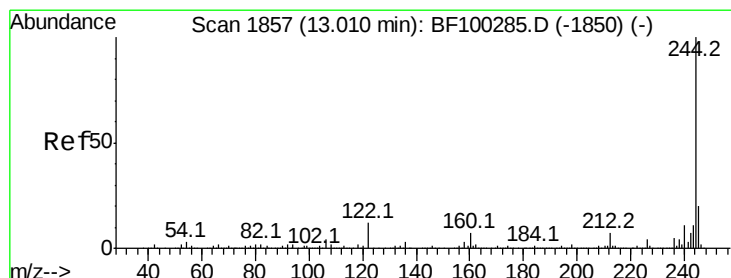
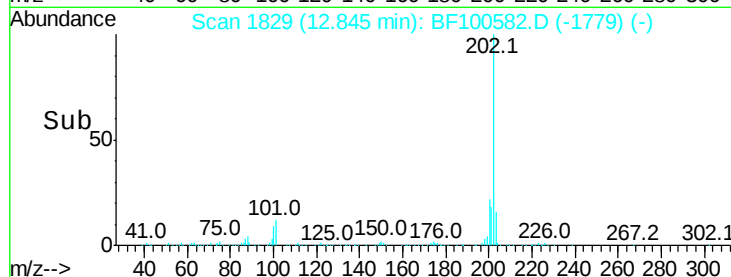
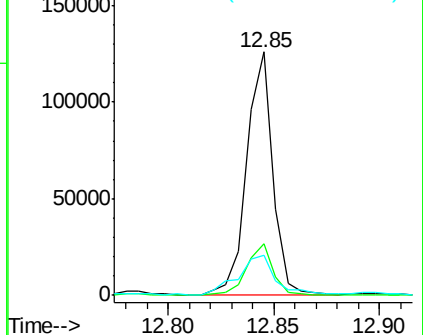
203 16.7 14.3 21.5



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: 9.966 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

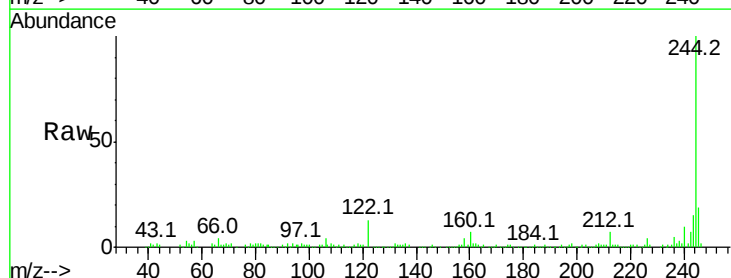
Tgt Ion:244 Resp: 107959

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

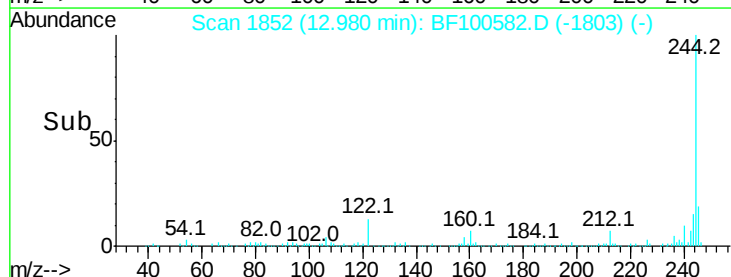
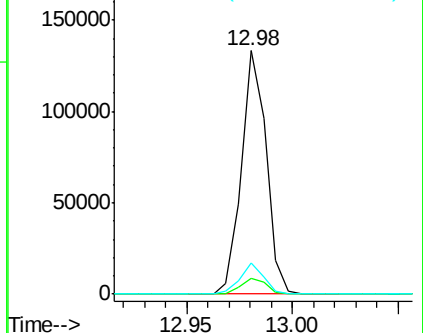
122 12.7 11.0 16.4

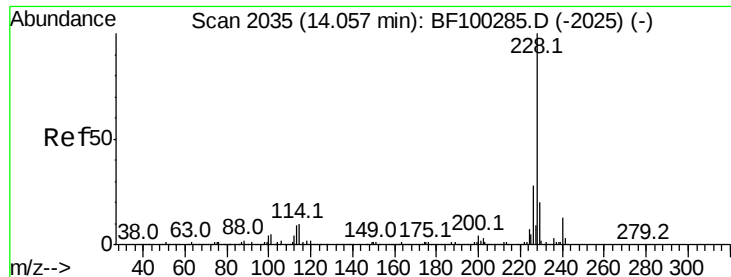


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.302 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

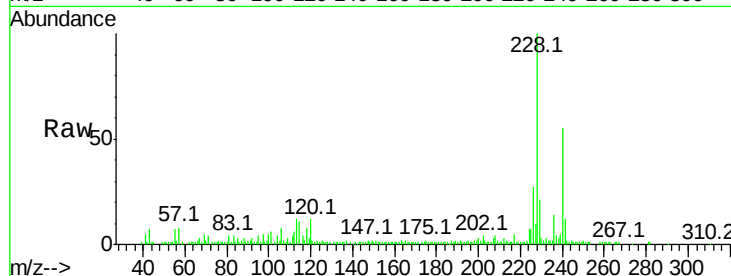
Tot Ion:228 Resp: 64479

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

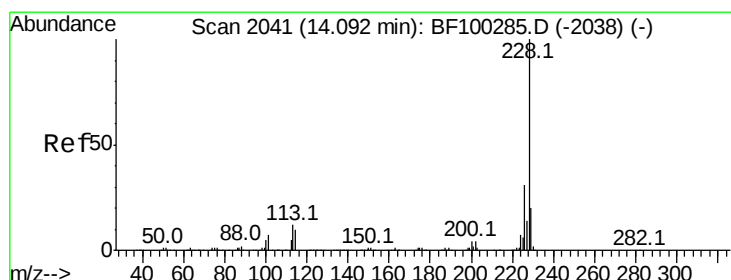
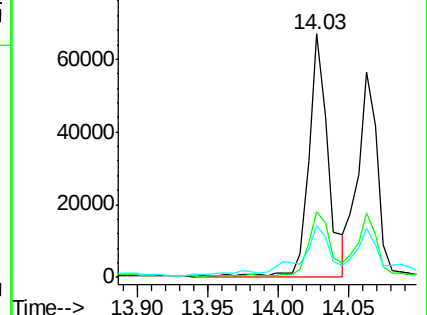
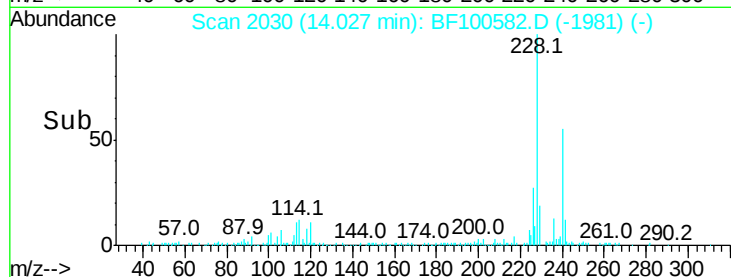
229 21.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.781 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

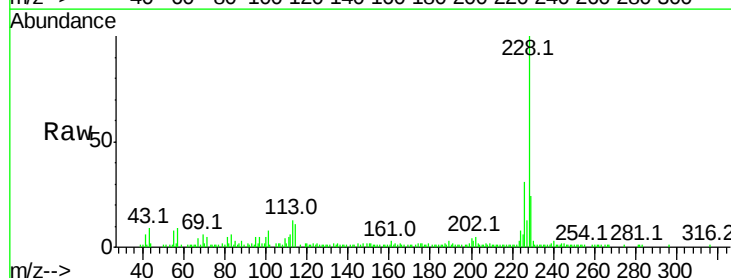
Tgt Ion:228 Resp: 54880

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

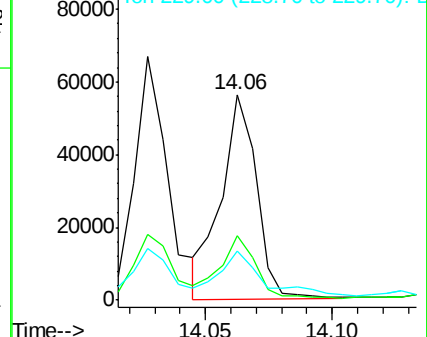
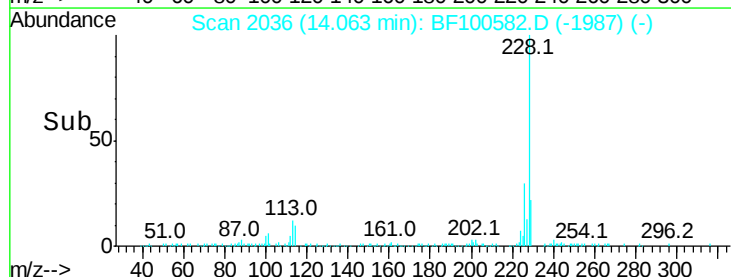
229 23.9 16.2 24.4

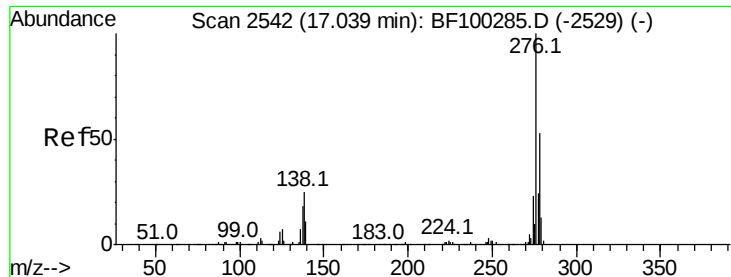


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

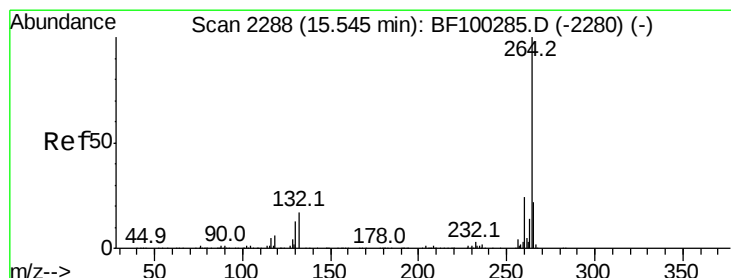
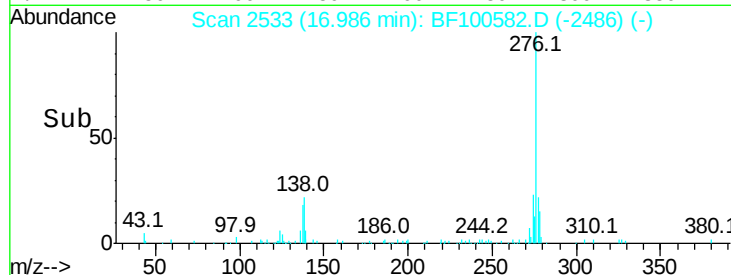
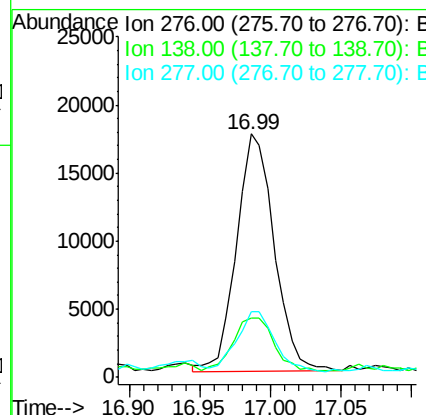
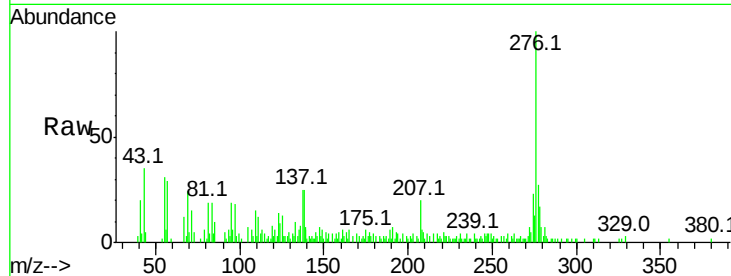




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.772 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

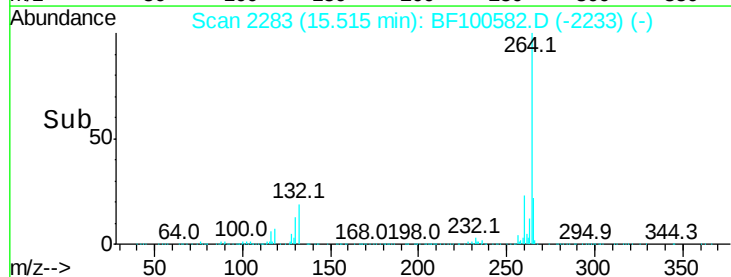
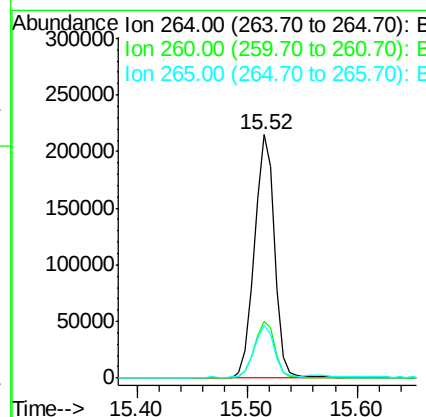
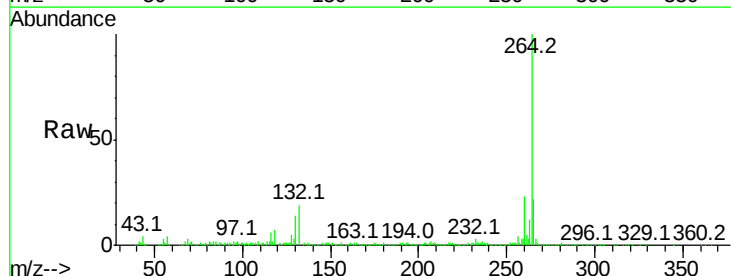
Instrument :
BNA_F
ClientSampled :

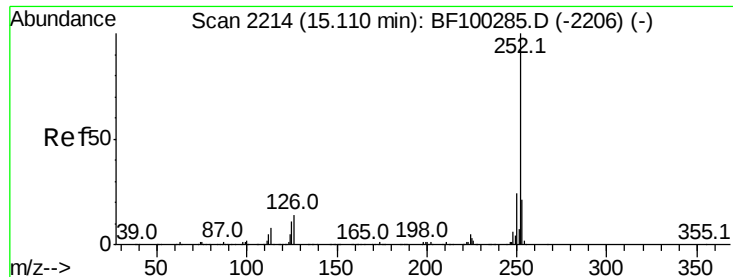
Tot Ion:276 Resp: 32540
Ion Ratio Lower Upper
276 100
138 24.4 25.0 37.6#
277 26.0 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100582.D
Acq: 15 Nov 2017 12:35

Tgt Ion:264 Resp: 276202
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 6.354 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF100582.D

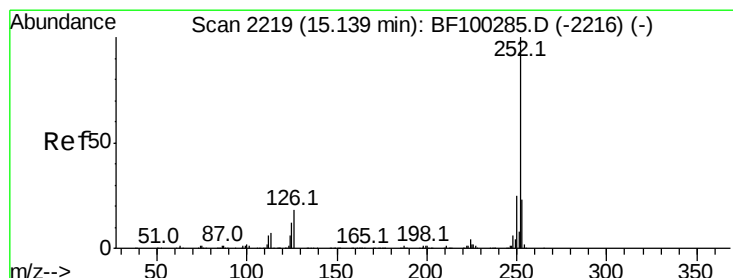
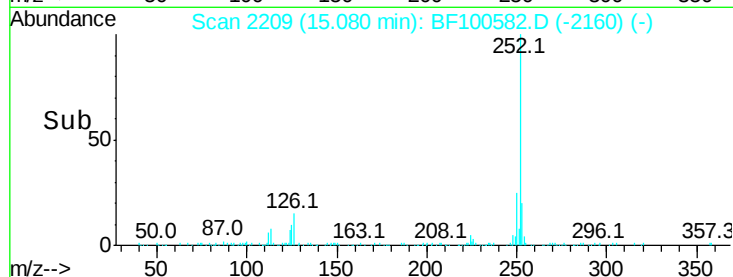
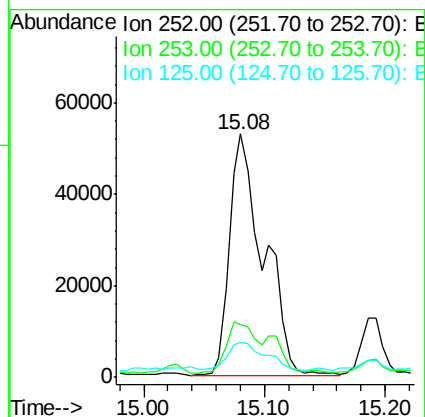
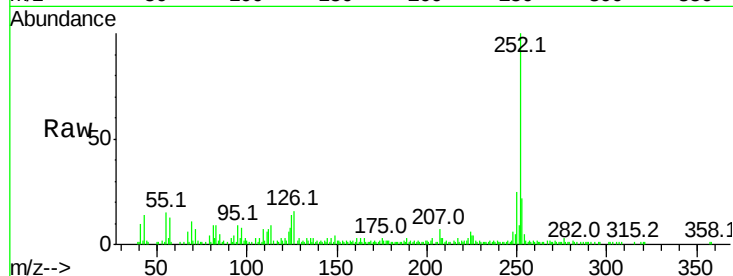
Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	103973
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.0 25.6
125	14.3	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 6.725 ng

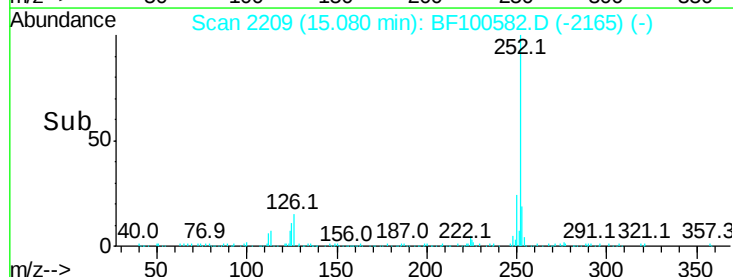
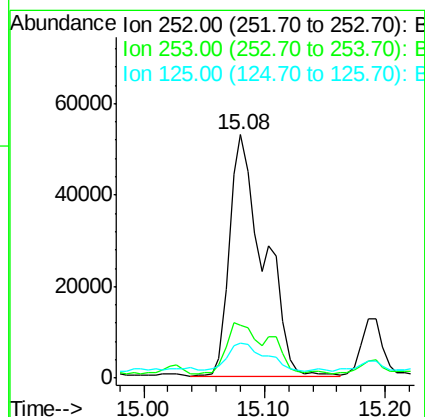
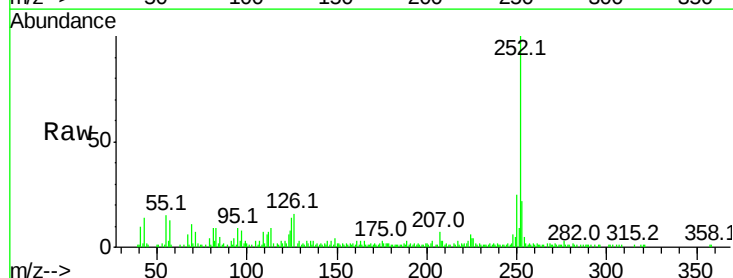
RT: 15.08 min Scan# 2209

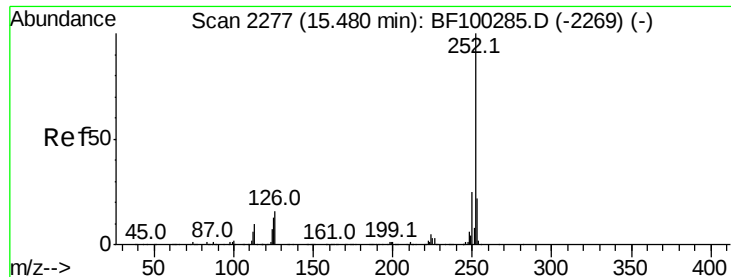
Delta R.T. -0.04 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Tgt Ion:252	Resp:	103973
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.9 26.9
125	14.3	10.2 15.2





#89

Benzo(a)pyrene

Concen: 4.214 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

Instrument :

BNA_F

ClientSampleId :

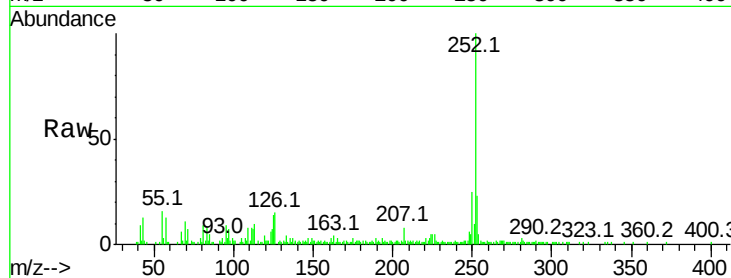
Tot Ion:252 Resp: 61129

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

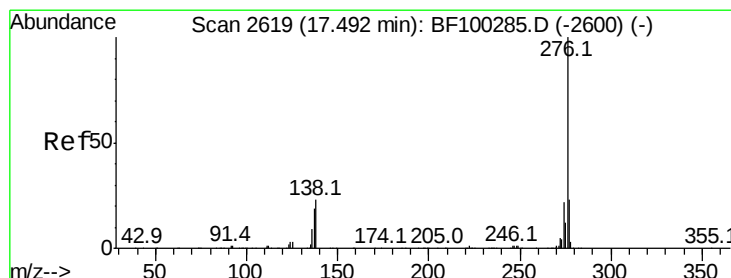
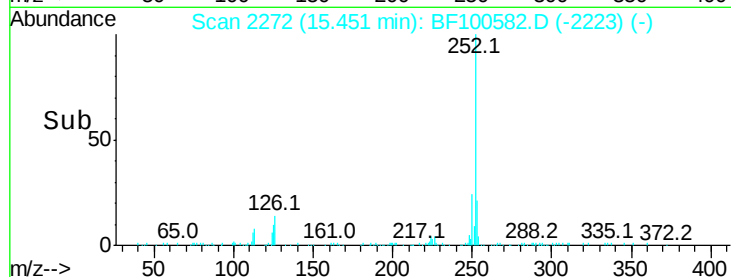
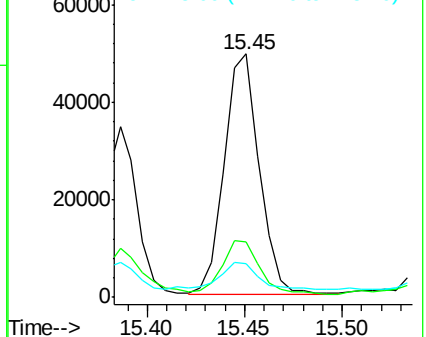
125 13.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.654 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF100582.D

Acq: 15 Nov 2017 12:35

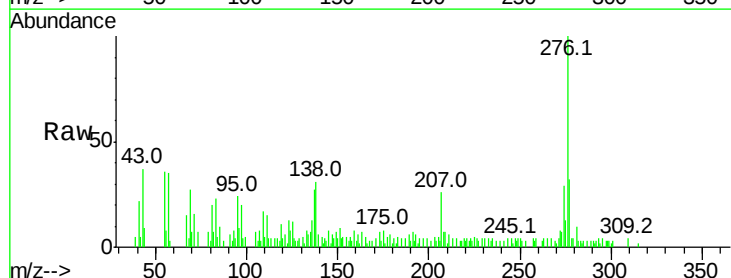
Tgt Ion:276 Resp: 30817

Ion Ratio Lower Upper

276 100

277 32.0 17.9 26.9#

138 30.7 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

