

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100356.D
 Acq On : 9 Nov 2017 22:23
 Operator : SJ/JU
 Sample : I6379-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:29:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	192399	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	771088	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	356861	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	656309	20.00	ng	0.00
75) Chrysene-d12	14.06	240	406572	20.00	ng	0.00
86) Perylene-d12	15.54	264	409873	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1170293	97.50	ng	0.02
7) Phenol-d6	6.53	99	1468767	99.24	ng	0.00
23) Nitrobenzene-d5	7.46	82	940620	80.65	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	381989	105.05	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1668201	71.18	ng	0.00
78) Terphenyl-d14	13.01	244	1389696	78.54	ng	0.00

Target Compounds

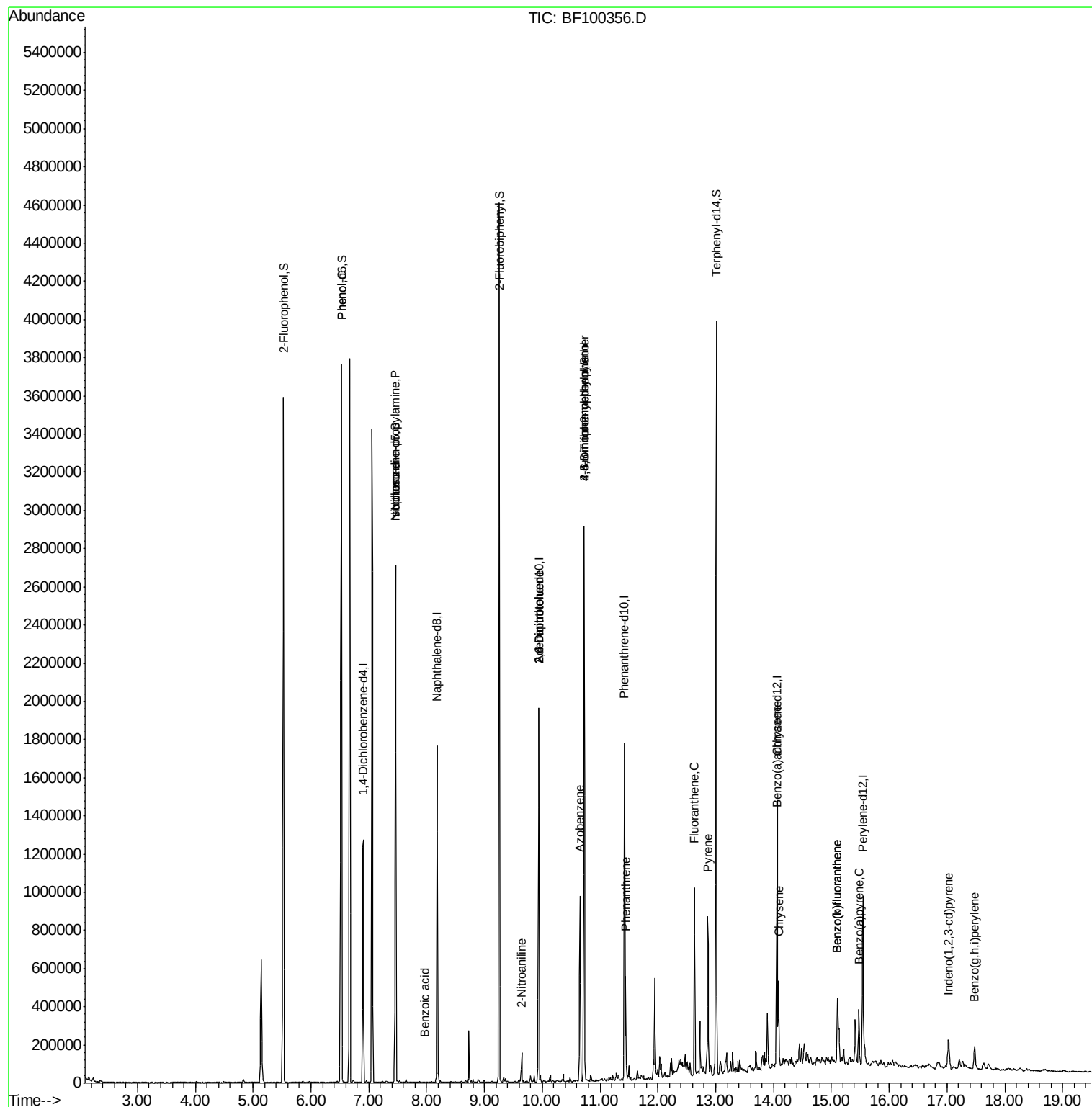
						Qvalue
10) Phenol	6.53	94	51159	3.293	ng	# 59
19) n-Nitroso-di-n-propylamine	7.46	70	125298	12.207	ng	# 87
25) Isophorone	7.46	82	940103	38.357	ng	# 64
32) Benzoic acid	7.96	122	142	9.384	ng	# 1
47) 2-Nitroaniline	9.65	65	549	2.862	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	46501	8.622	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	46501	6.834	ng	# 23
62) Azobenzene	10.65	77	152674	5.945	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	933	8.801	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	23664	3.363	ng	# 1
70) Phenanthrene	11.45	178	187934	5.439	ng	98
74) Fluoranthene	12.63	202	364843	9.962	ng	98
77) Pyrene	12.86	202	329914	11.383	ng	99
80) Benzo(a)anthracene	14.05	228	154473	6.309	ng	94
82) Chrysene	14.09	228	151904	6.407	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	103666	5.406	ng	# 91
87) Benzo(b)fluoranthene	15.11	252	267225	11.005	ng	99
88) Benzo(k)fluoranthene	15.11	252	267225	11.647	ng	97
89) Benzo(a)pyrene	15.48	252	144010	6.690	ng	98
91) Benzo(a,h,i)perylene	17.48	276	98788	5.732	ng	95

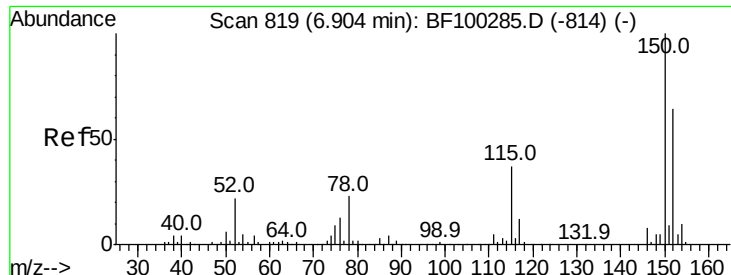
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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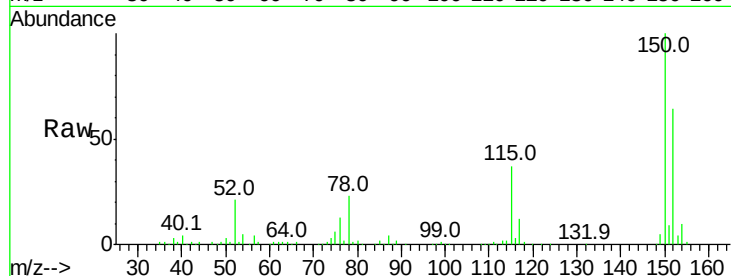


#1

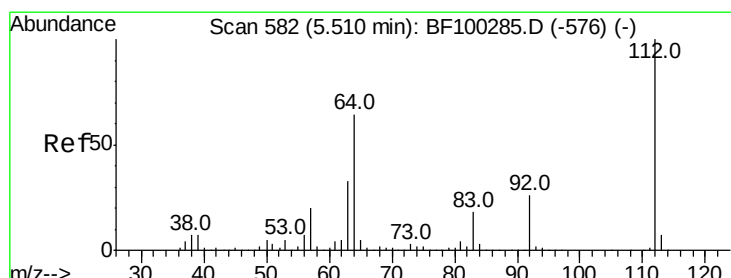
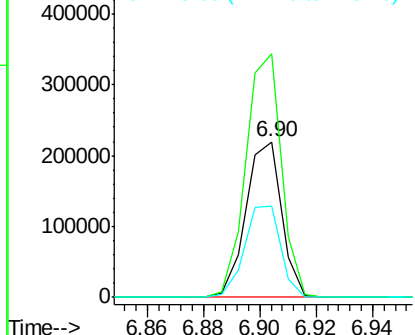
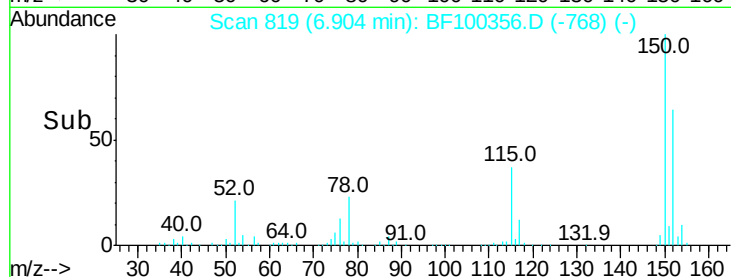
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 192399
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 58.7 50.1 75.1



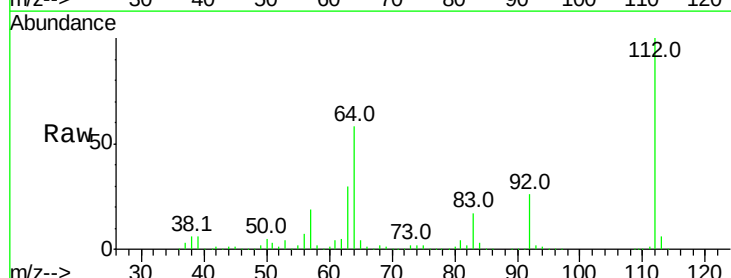
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



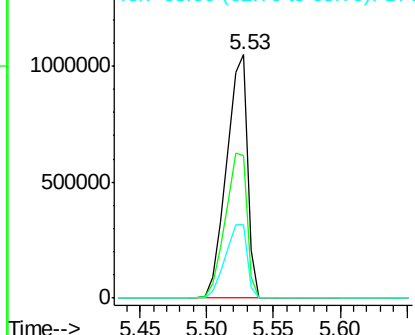
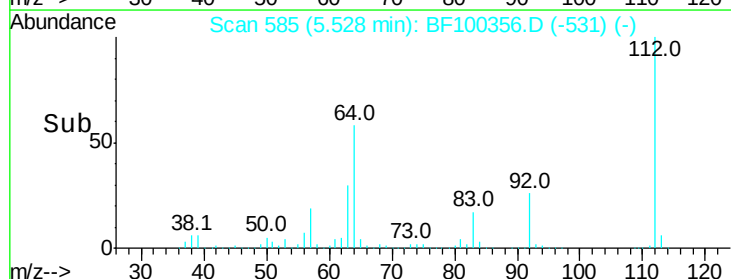
#5

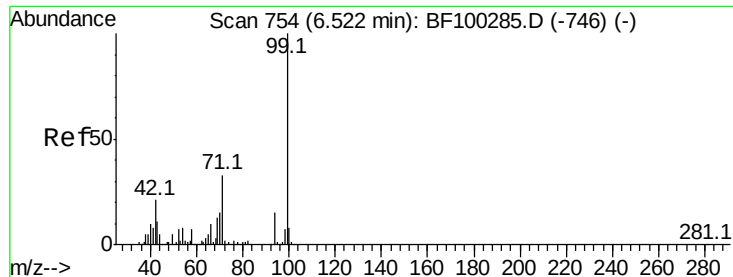
2-Fluorophenol
Concen: 97.504 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:112 Resp: 1170293
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 29.9 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: 99.236 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

Instrument :

BNA_F

ClientSampleId :

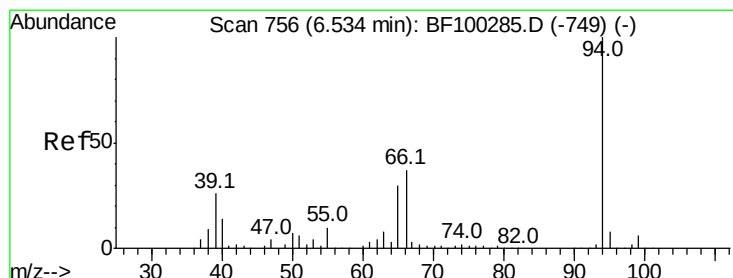
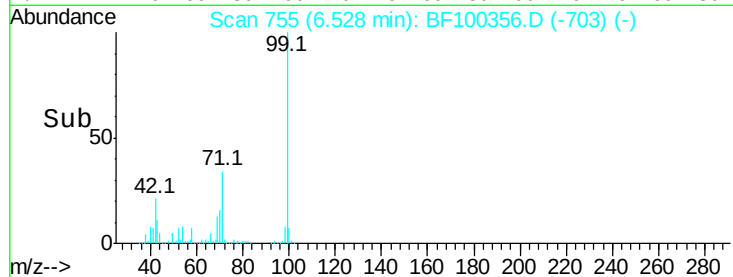
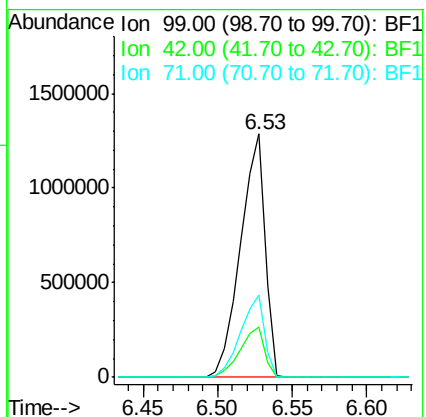
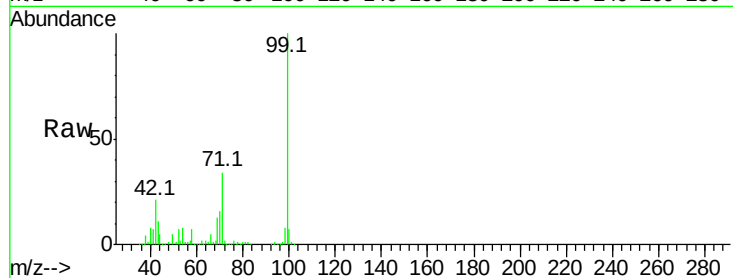
Tot Ion: 99 Resp: 1468767

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 33.7 25.4 38.0



#10

Phenol

Concen: 3.293 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

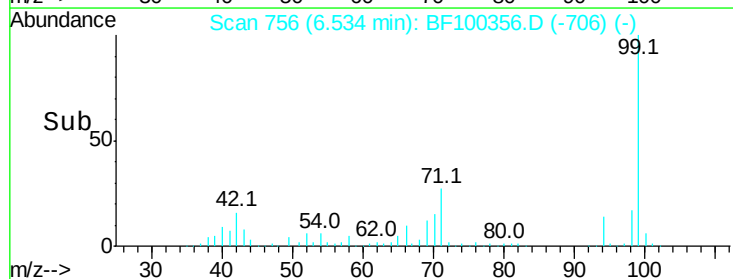
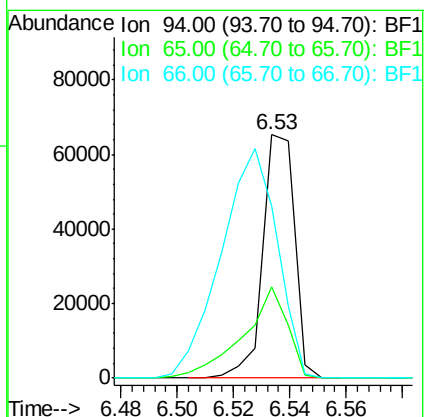
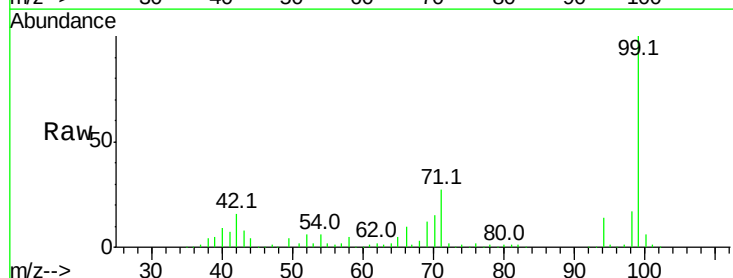
Tgt Ion: 94 Resp: 51159

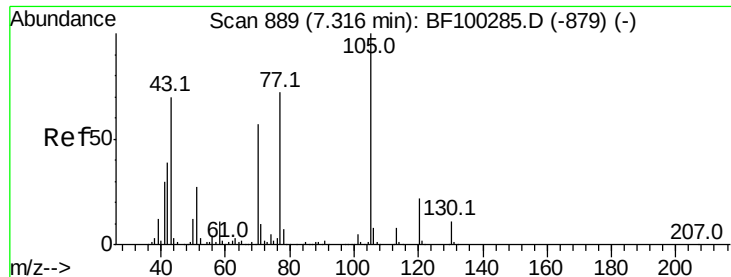
Ion Ratio Lower Upper

94 100

65 37.6 7.9 47.9

66 70.8 16.2 56.2#

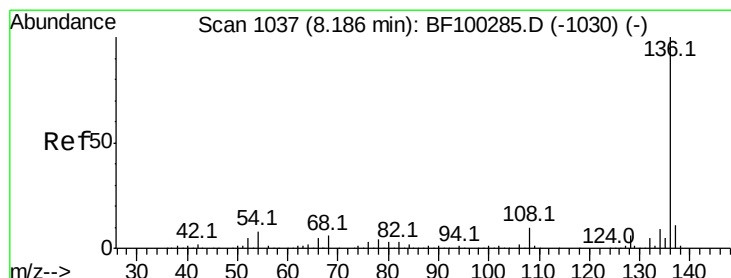
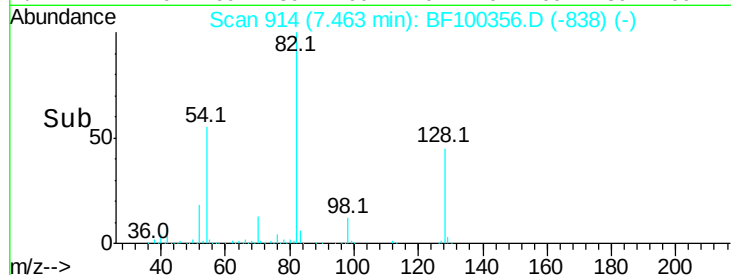
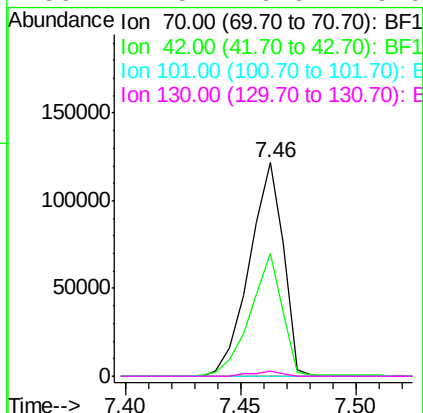
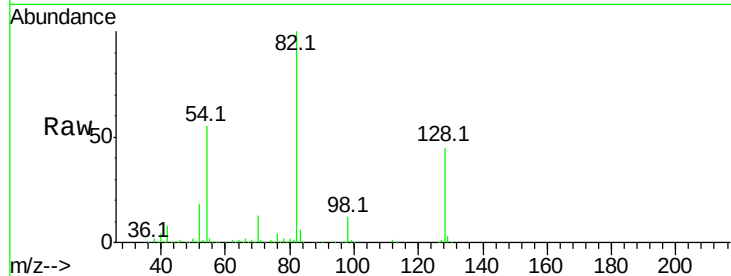




#19
n-Nitroso-di-n-propylamine
Concen: 12.207 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

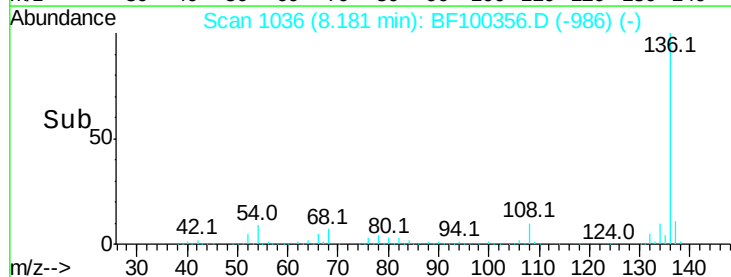
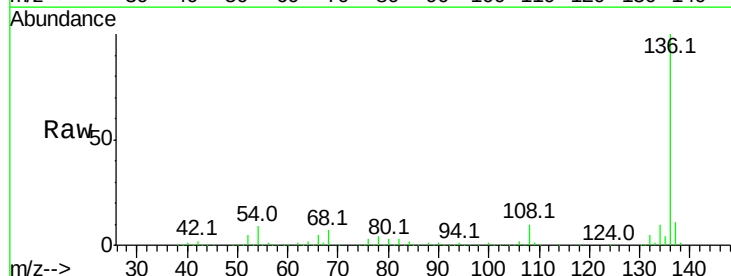
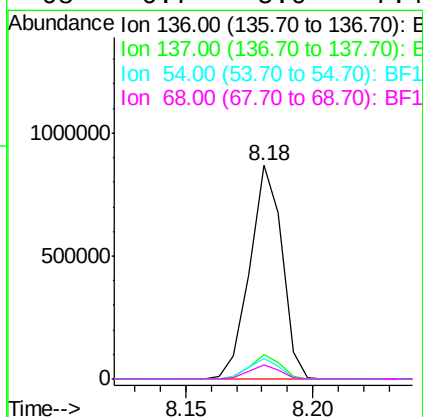
Instrument :
BNA_F
ClientSampleId :

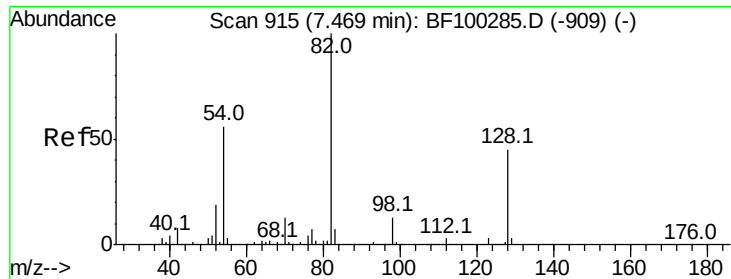
Tot Ion: 70 Resp: 125298
Ion Ratio Lower Upper
70 100
42 57.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion: 136 Resp: 771088
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.5 6.6 9.8
68 6.7 5.0 7.4

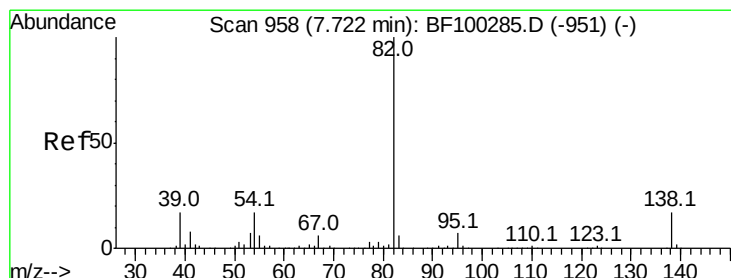
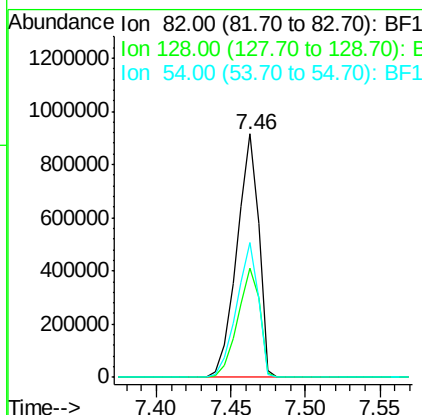
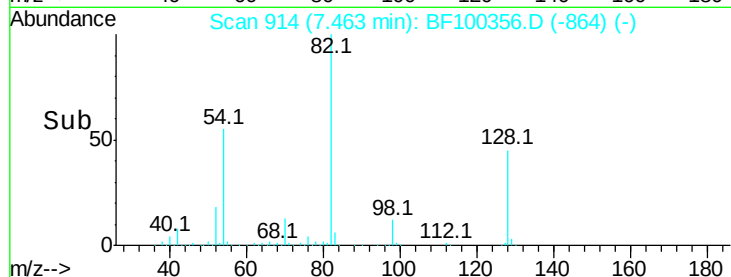
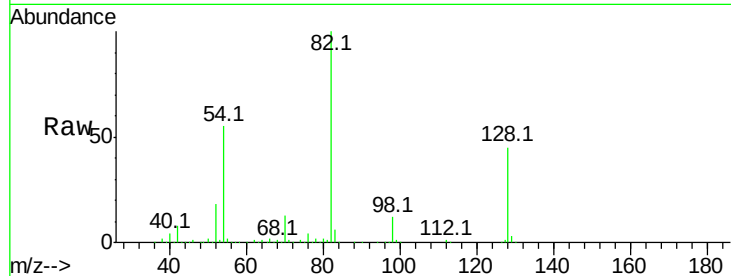




#23
Nitrobenzene-d5
Concen: 80.649 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

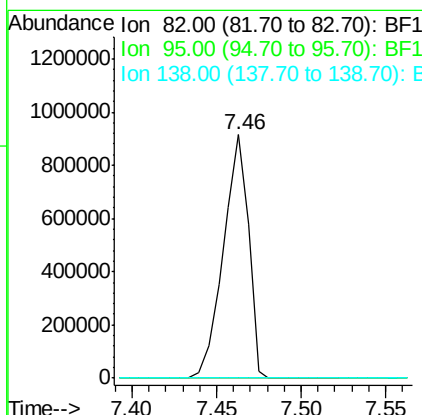
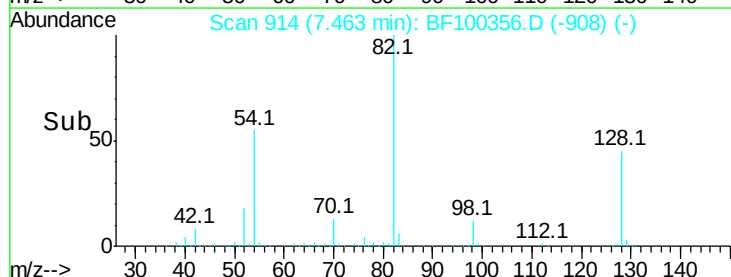
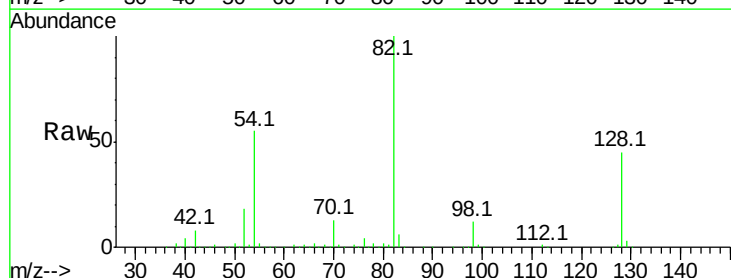
Instrument :
BNA_F
ClientSampleId :

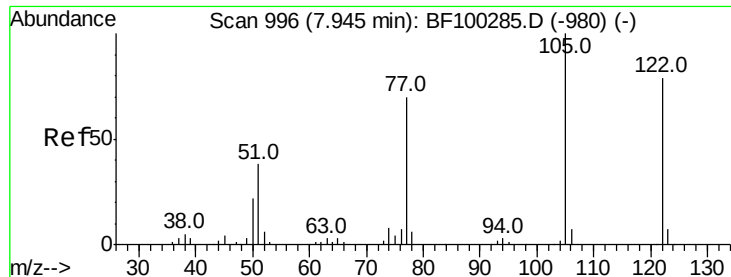
Tot Ion: 82 Resp: 940620
Ion Ratio Lower Upper
82 100
128 44.6 36.1 54.1
54 55.2 41.4 62.2



#25
Isophorone
Concen: 38.357 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion: 82 Resp: 940103
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 9.384 ng

RT: 7.96 min Scan# 998

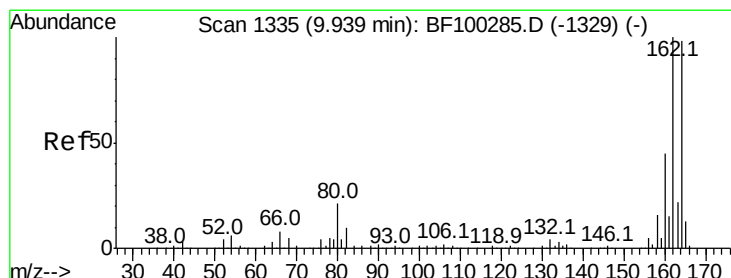
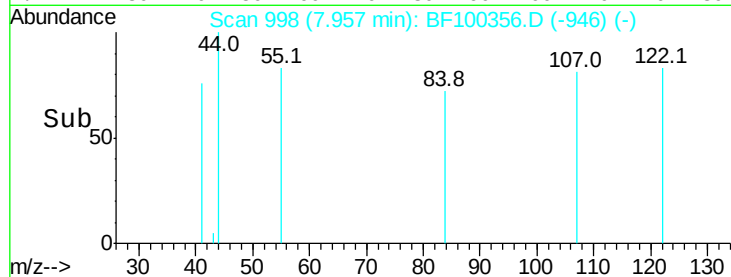
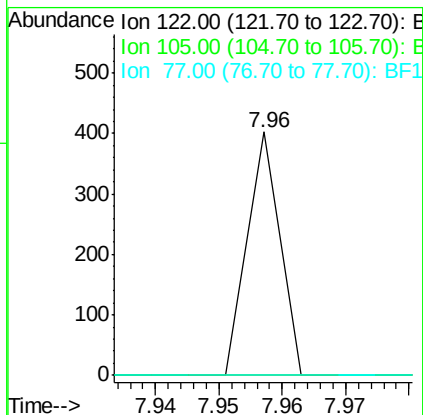
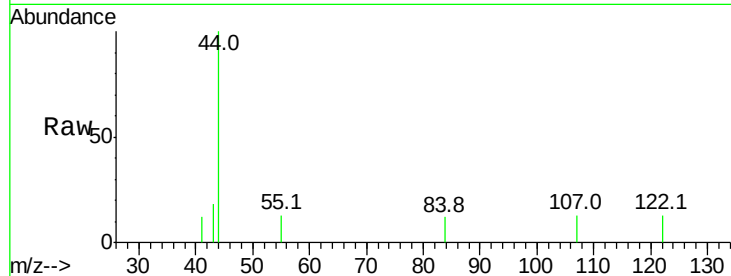
Delta R.T. 0.01 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

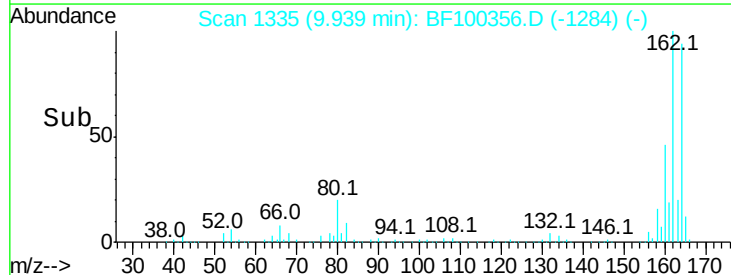
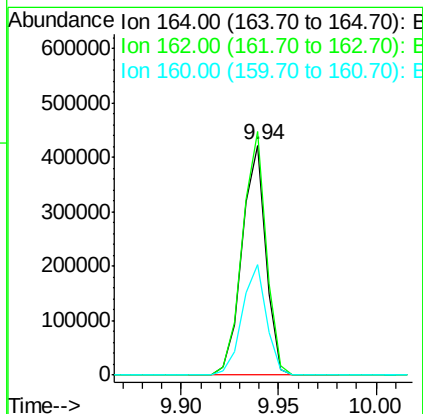
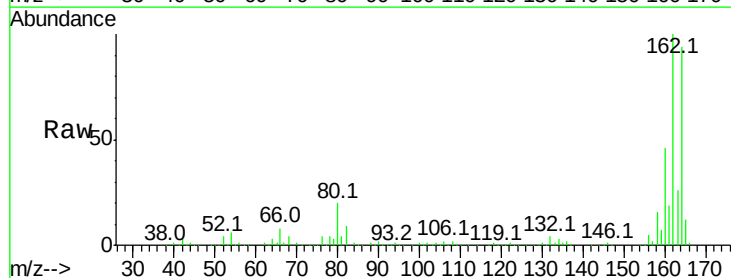
RT: 9.94 min Scan# 1335

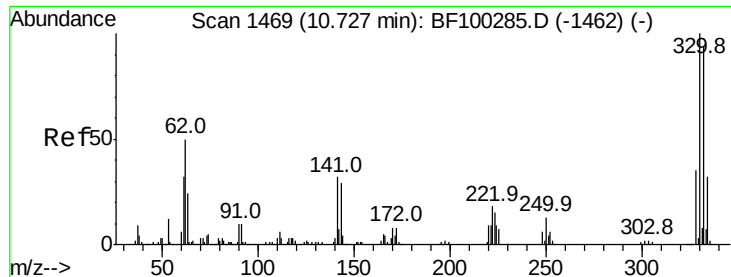
Delta R.T. 0.00 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

Tgt Ion:164 Resp: 356861
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 48.3 38.3 57.5

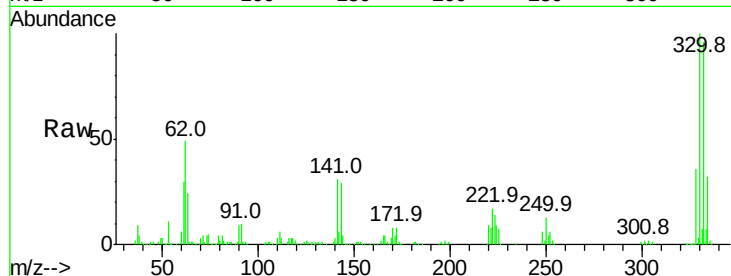




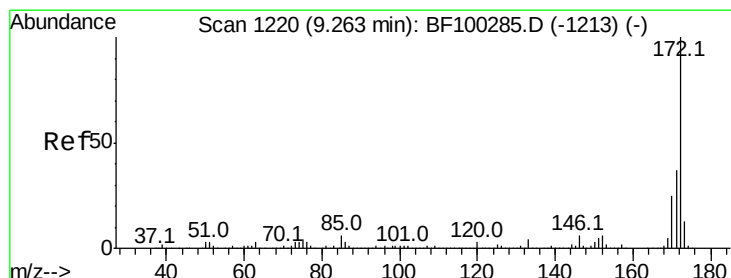
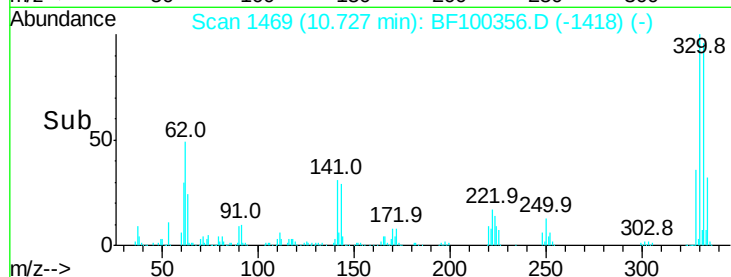
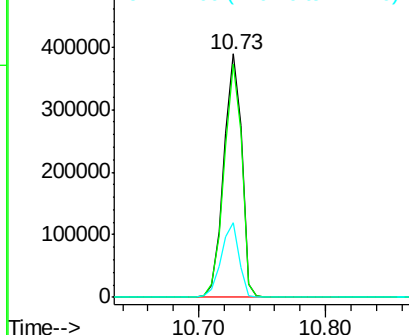
#41
 2,4,6-Tribromophenol
 Concen: 105.045 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100356.D
 Acq: 9 Nov 2017 22:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	30.7	29.9	44.9

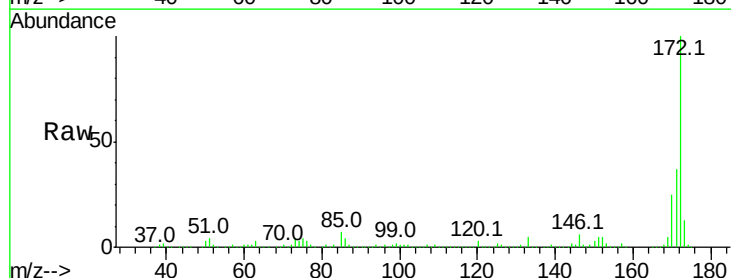


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

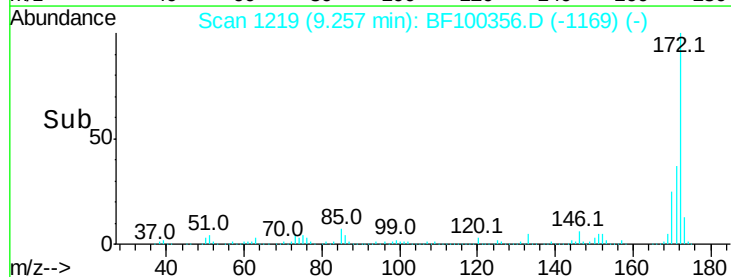
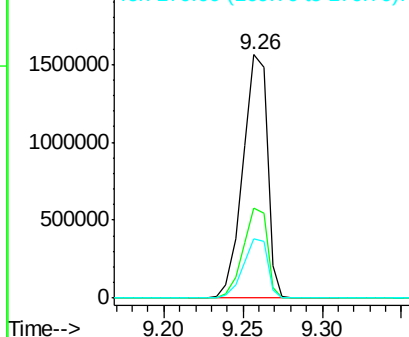


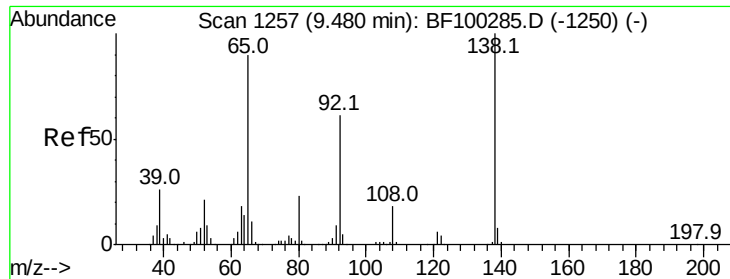
#44
 2-Fluorobiphenyl
 Concen: 71.181 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100356.D
 Acq: 9 Nov 2017 22:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	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

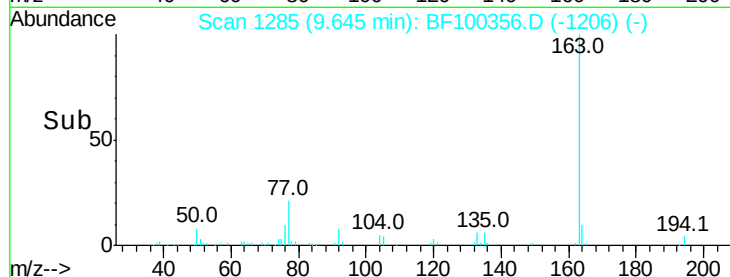
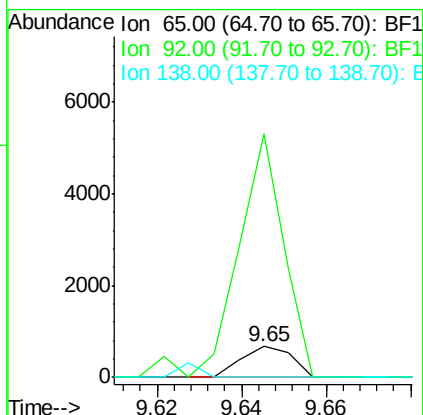
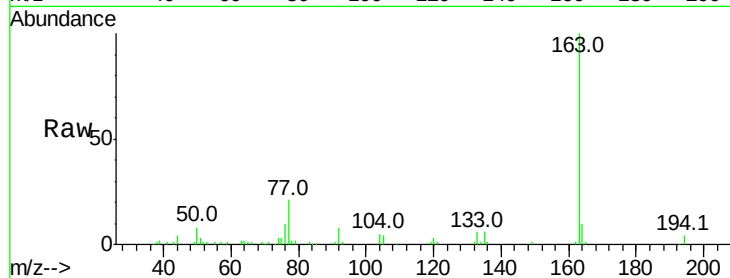




#47
2-Nitroaniline
Concen: 2.862 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

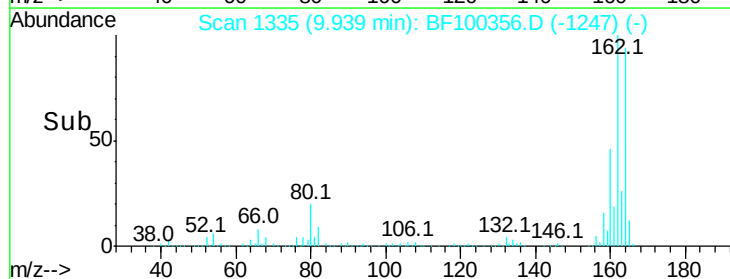
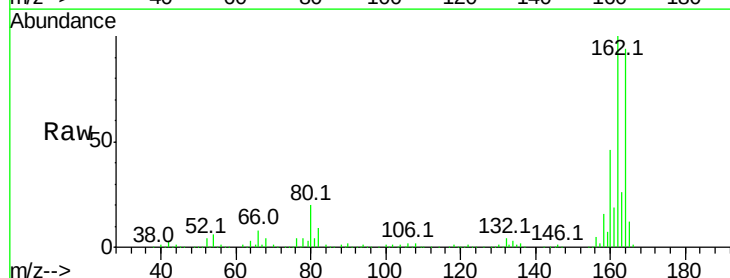
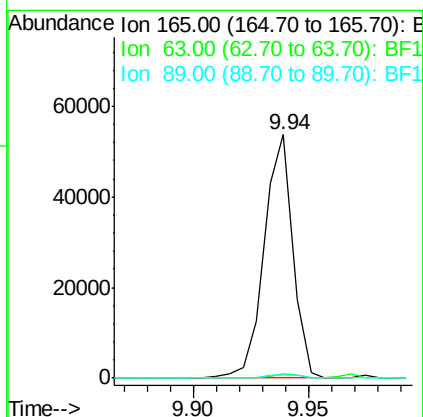
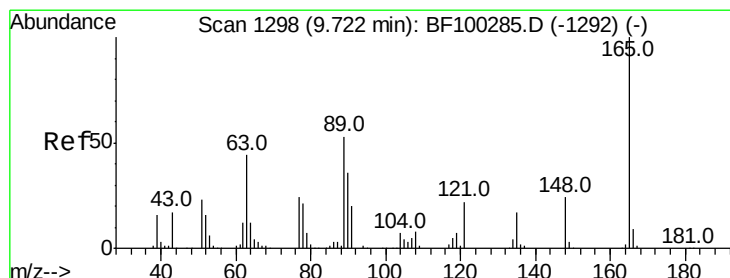
Instrument :
BNA_F
ClientSampleId :

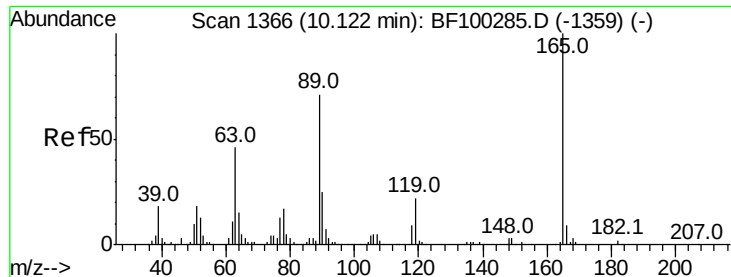
Tot Ion: 65 Resp: 549
Ion Ratio Lower Upper
65 100
92 796.5 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.622 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:165 Resp: 46501
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.4 44.0 66.0#

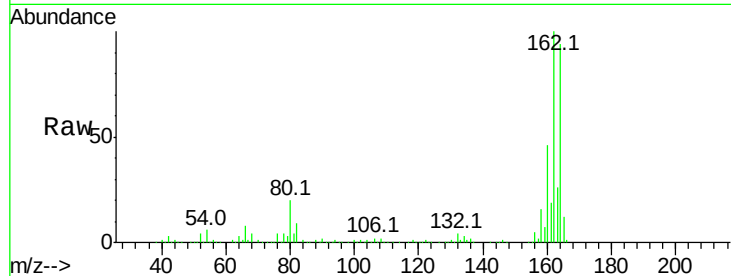




#56
2,4-Dinitrotoluene
Concen: 6.834 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.18 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

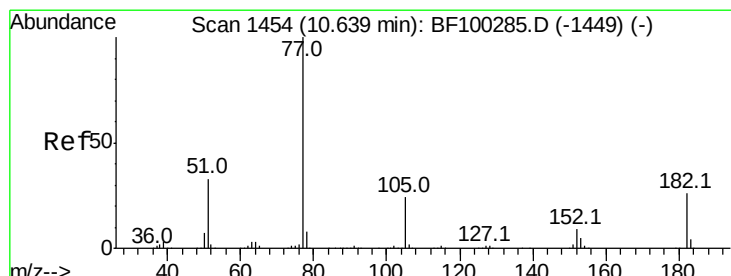
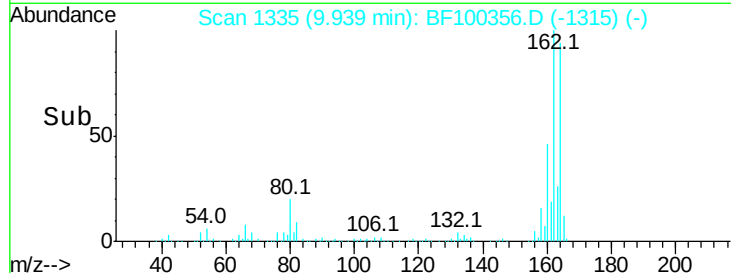
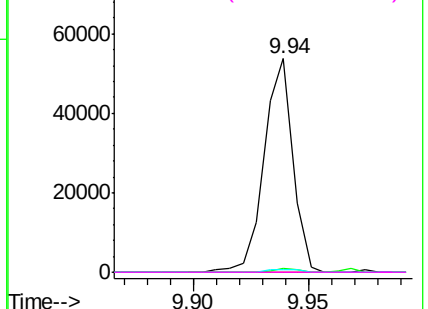


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

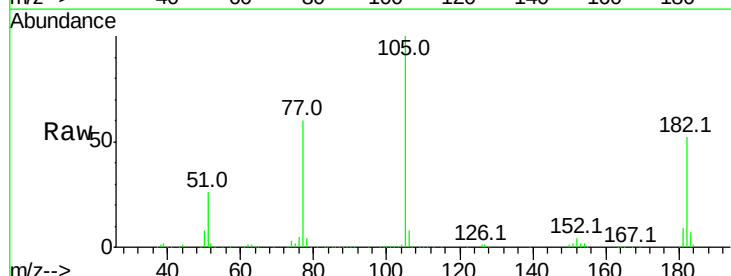
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
Azobenzene
Concen: 5.945 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	85.5	1.7	41.7#
105	165.5	3.0	43.0#
51	43.4	9.9	49.9

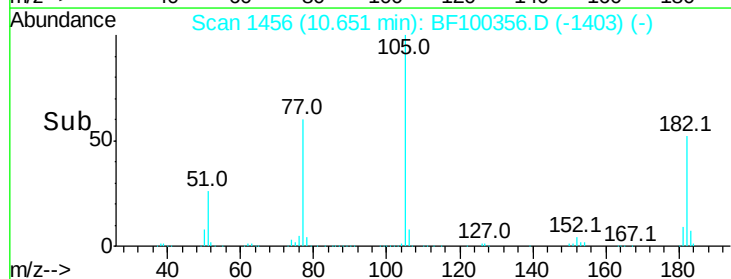
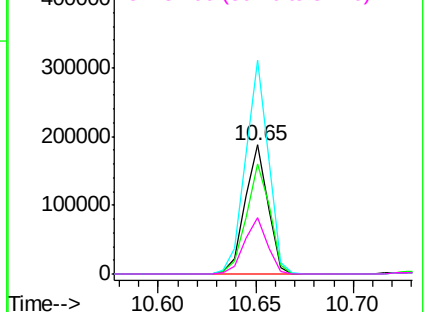


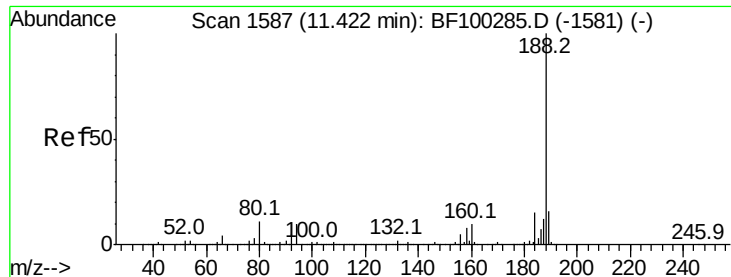
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

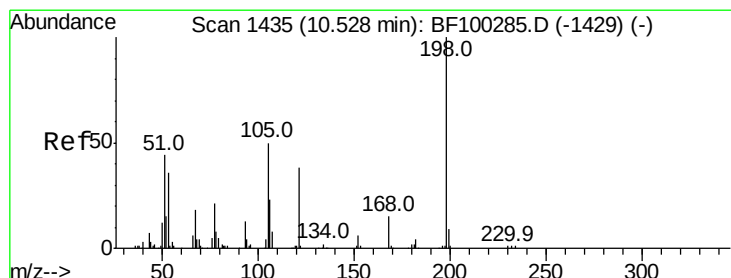
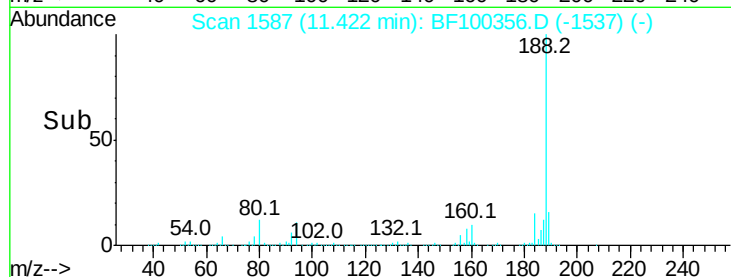
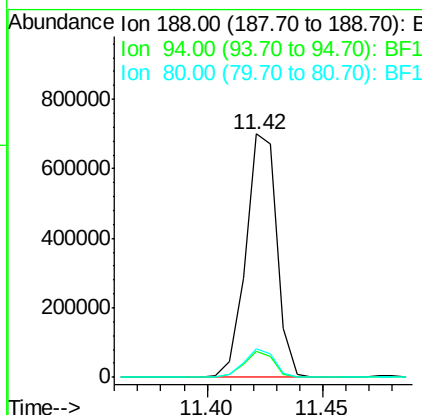
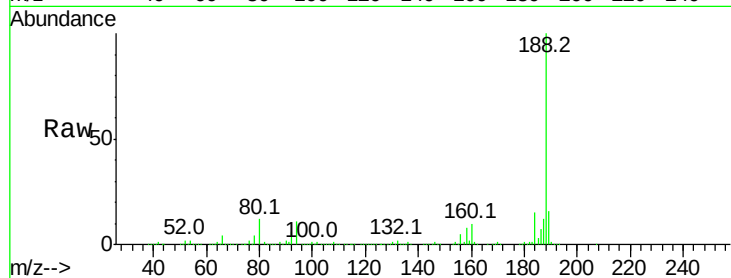




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

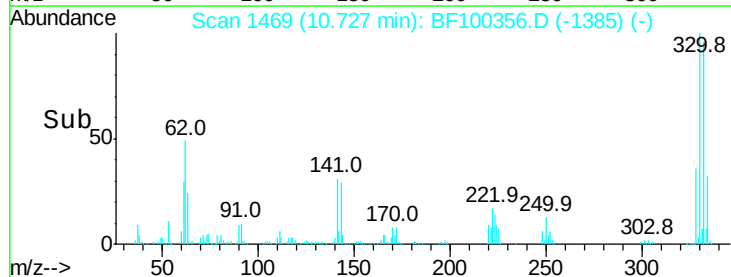
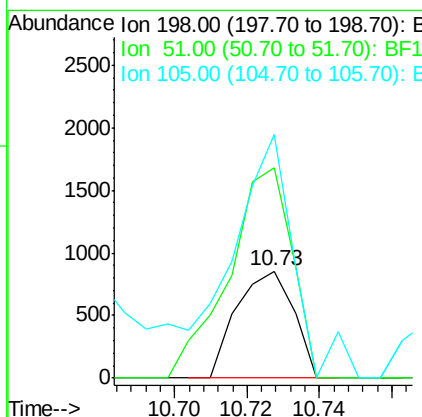
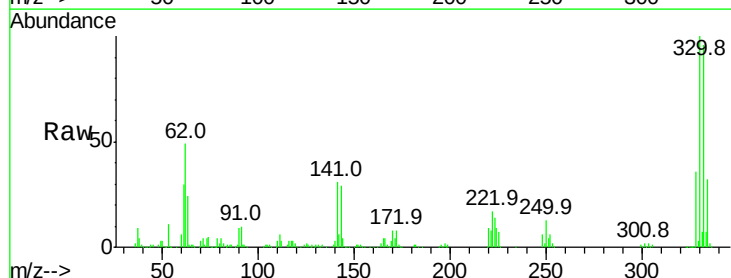
Instrument :
BNA_F
ClientSampleId :

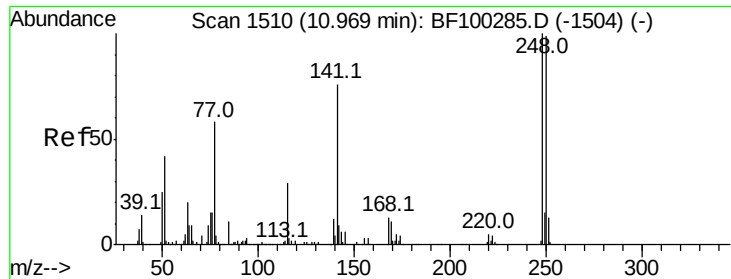
Tot Ion:188 Resp: 656309
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.801 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:198 Resp: 933
Ion Ratio Lower Upper
198 100
51 196.0 37.7 77.7#
105 227.0 36.3 76.3#

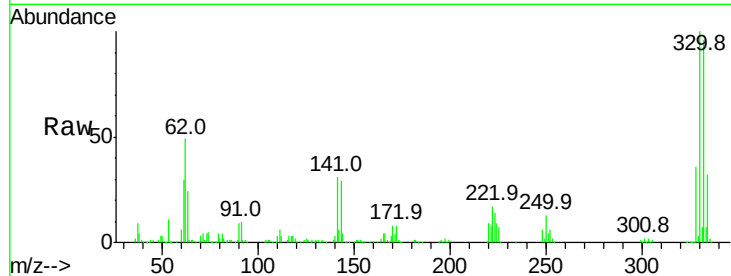




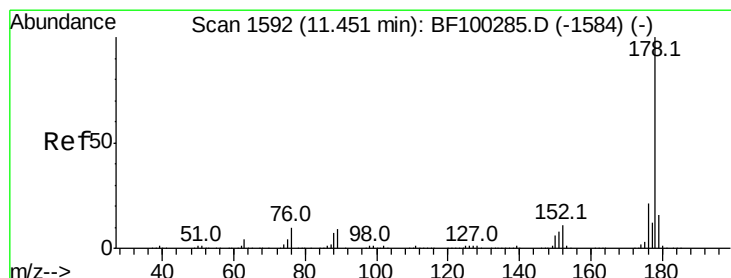
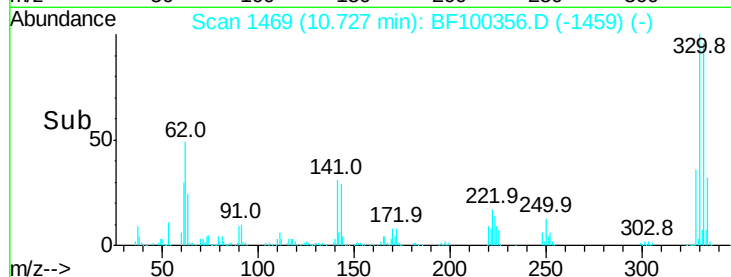
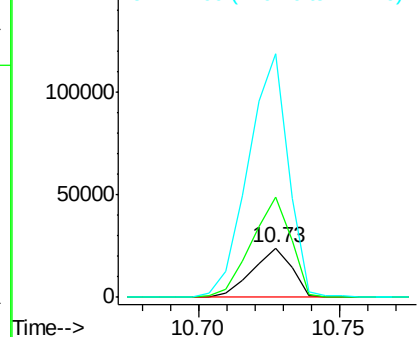
#66
4-Bromophenyl-phenylether
Concen: 3.363 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23664
Ion Ratio Lower Upper
248 100
250 204.2 76.9 115.3#
141 495.7 74.4 111.6#

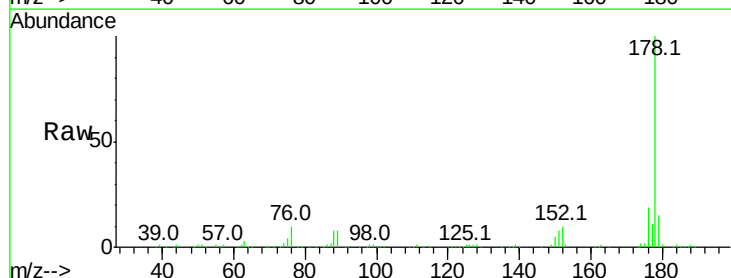


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

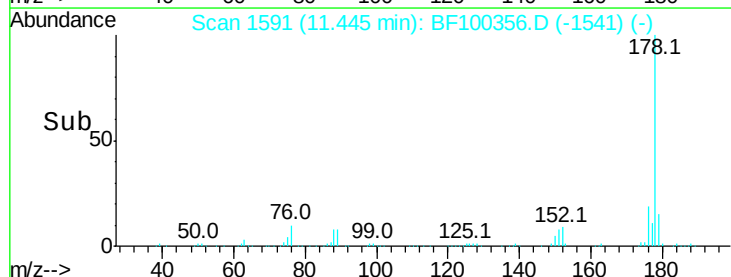
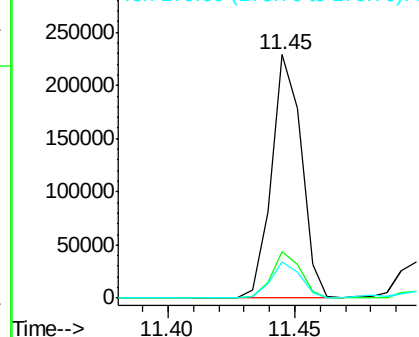


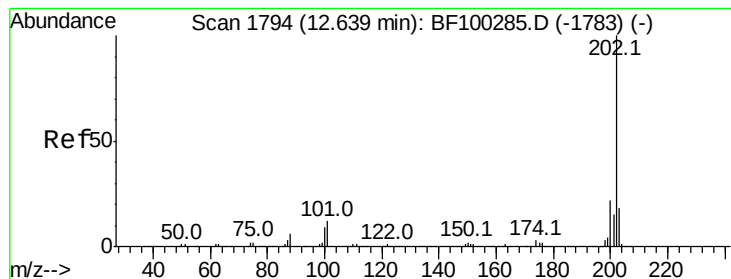
#70
Phenanthrene
Concen: 5.439 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:178 Resp: 187934
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.1 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





#74

Fluoranthene

Concen: 9.962 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

Instrument :

BNA_F

ClientSampled :

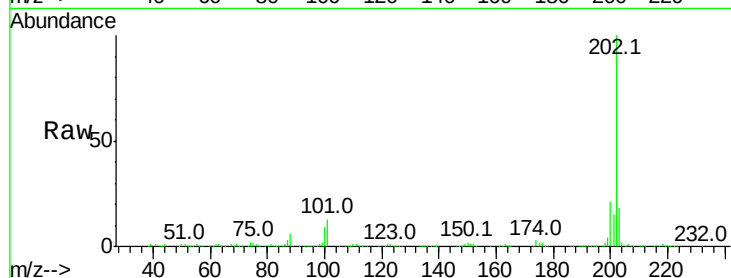
Tot Ion:202 Resp: 364843

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

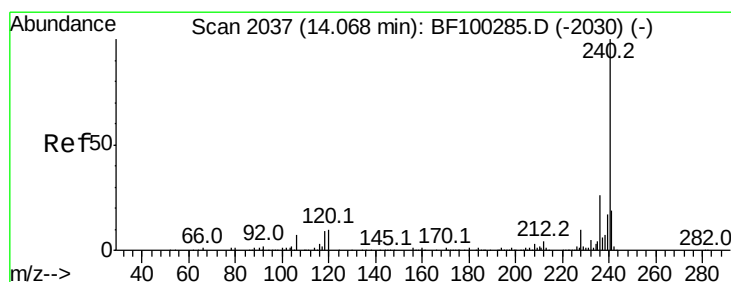
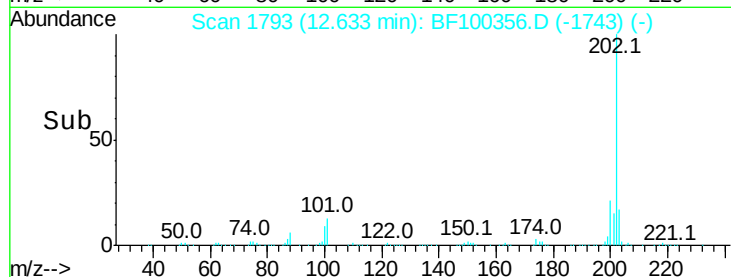
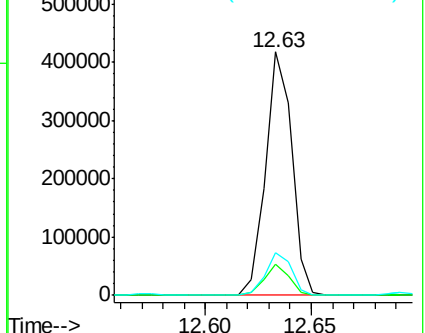
203 17.6 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

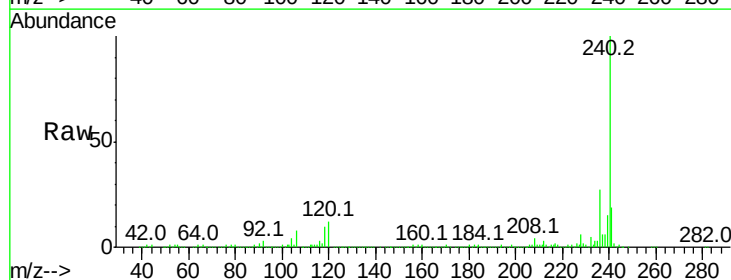
Tgt Ion:240 Resp: 406572

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

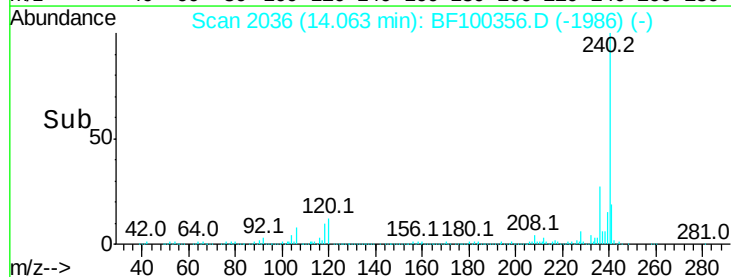
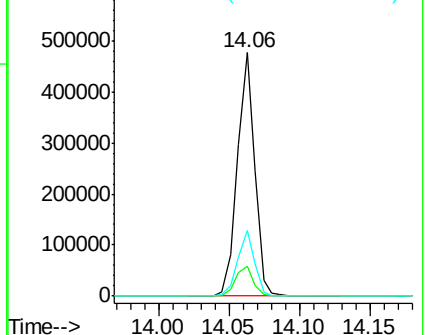
236 26.8 20.7 31.1

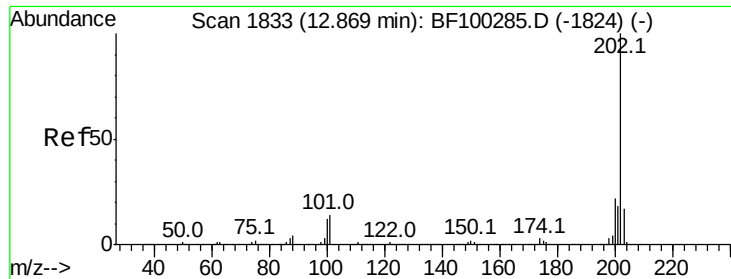


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

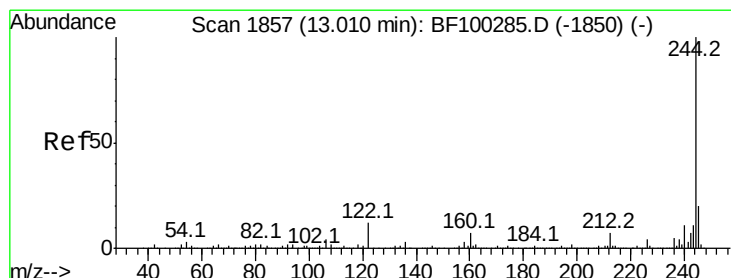
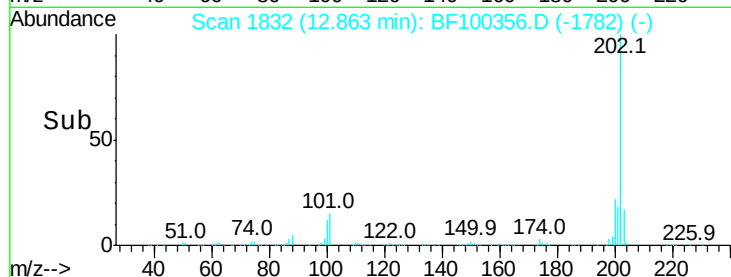
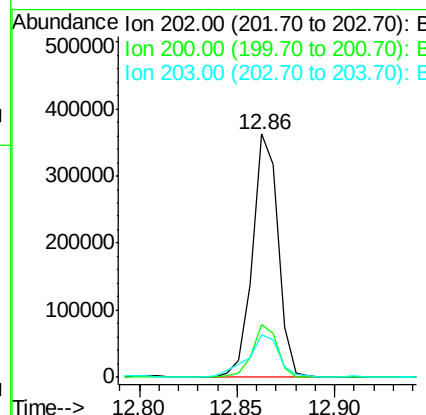
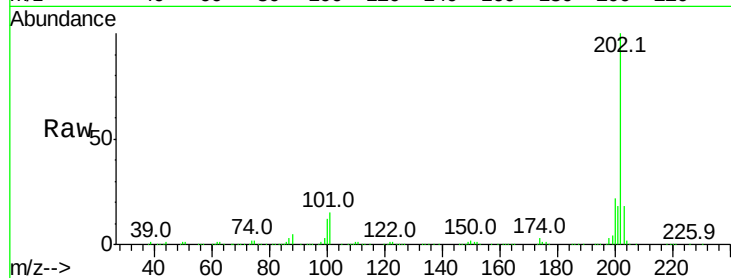




#77
Pvrene
Concen: 11.383 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

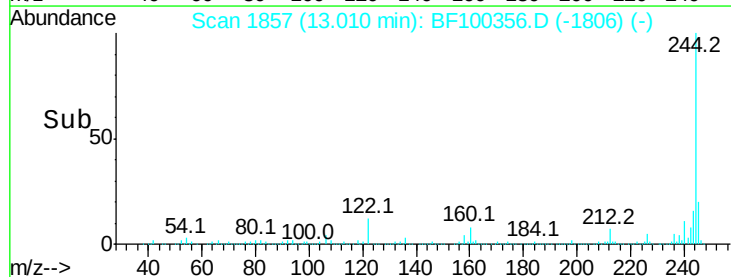
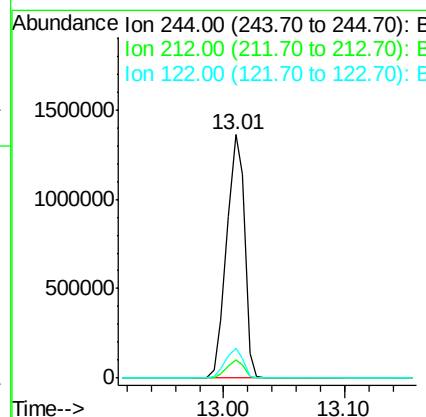
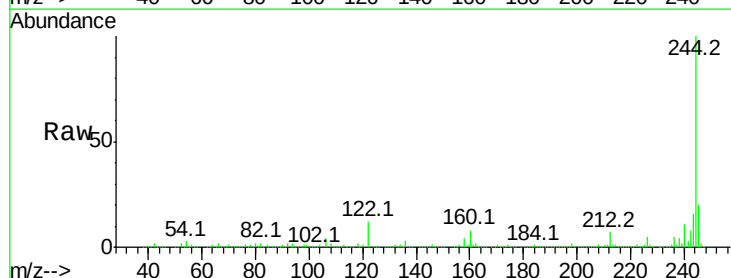
Instrument :
BNA_F
ClientSampled :

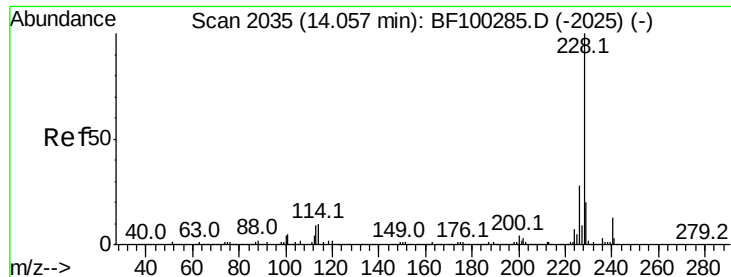
Tot Ion:202 Resp: 329914
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 78.538 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:244 Resp: 1389696
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 12.0 11.0 16.4

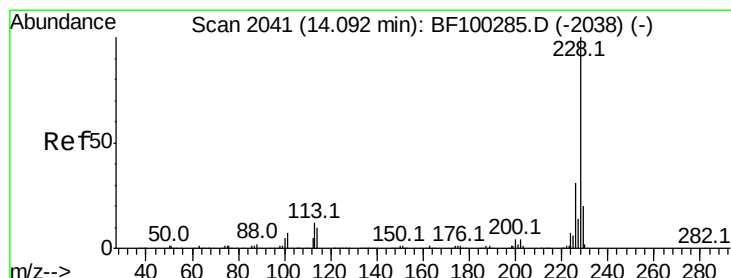
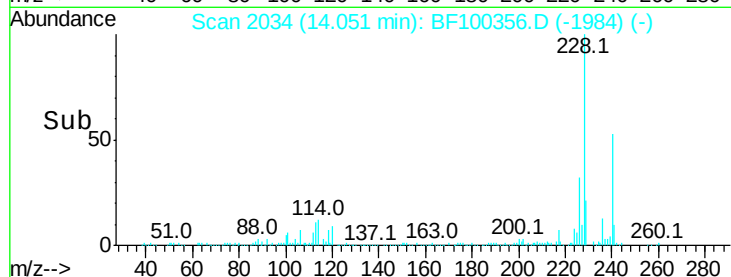
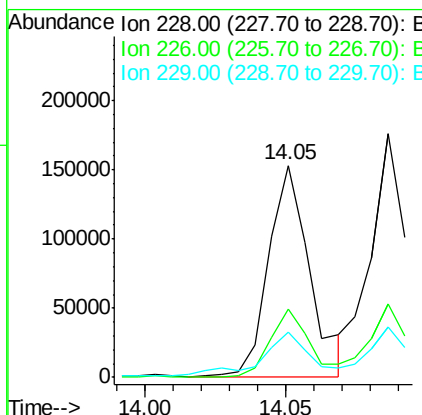
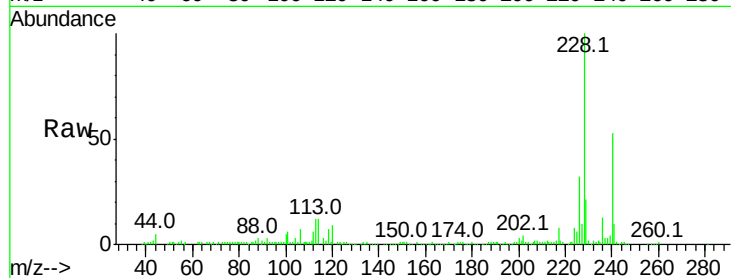




#80
Benzo(a)anthracene
Concen: 6.309 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

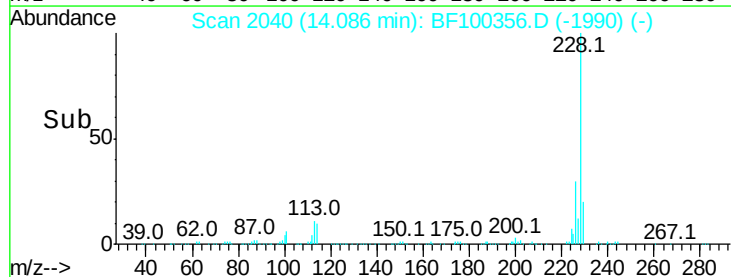
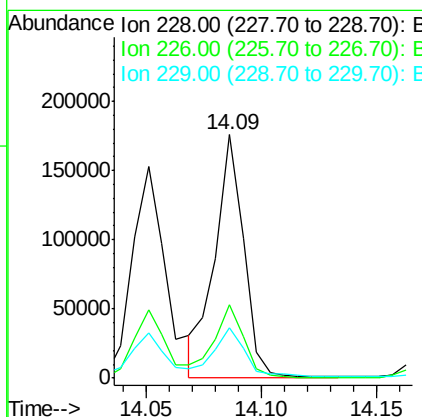
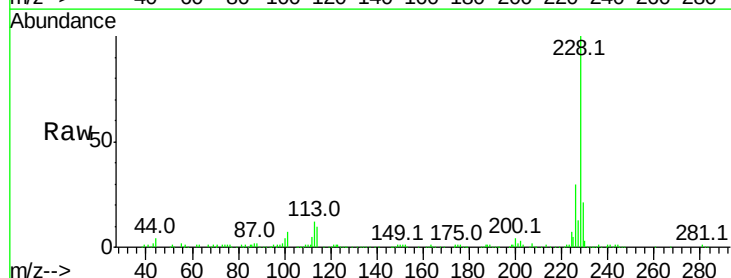
Instrument :
BNA_F
ClientSampled :

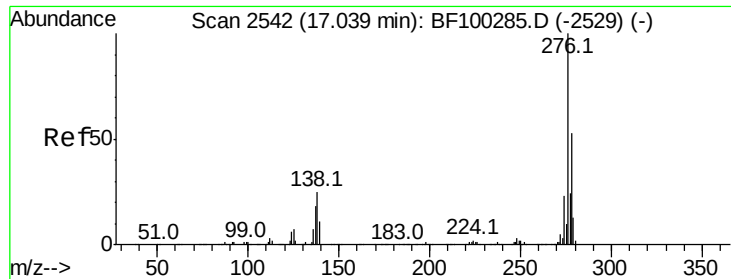
Tot Ion:228 Resp: 154473
Ion Ratio Lower Upper
228 100
226 32.2 22.6 33.8
229 21.5 15.8 23.6



#82
Chrysene
Concen: 6.407 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:228 Resp: 151904
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 20.8 16.2 24.4

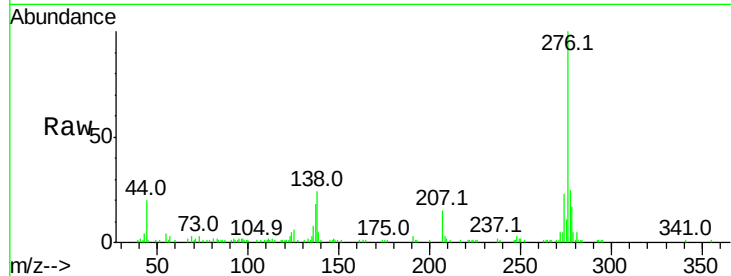




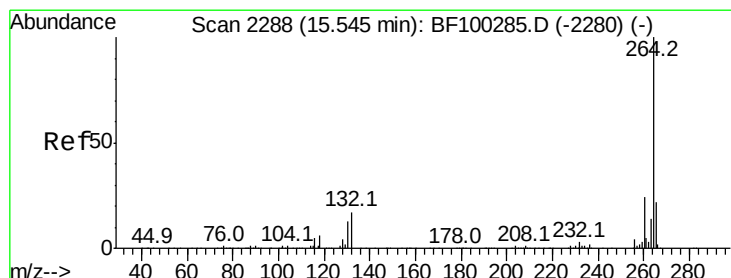
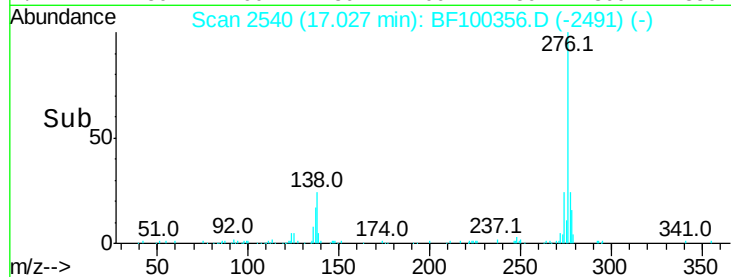
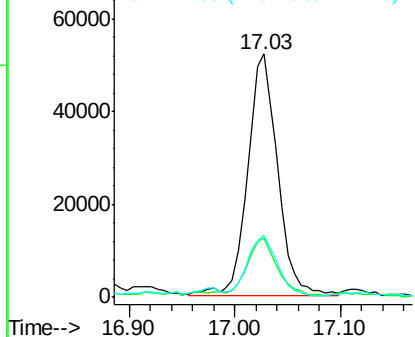
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.406 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BF100356.D
 Acq: 9 Nov 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	24.8	20.1	30.1

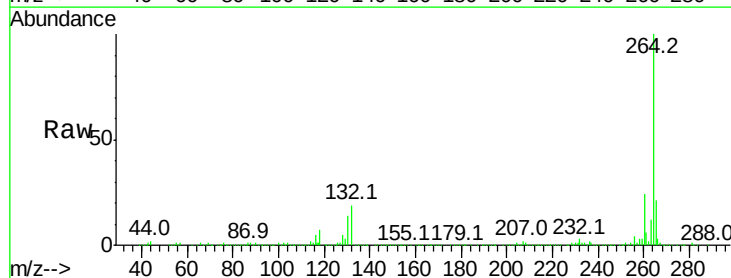


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

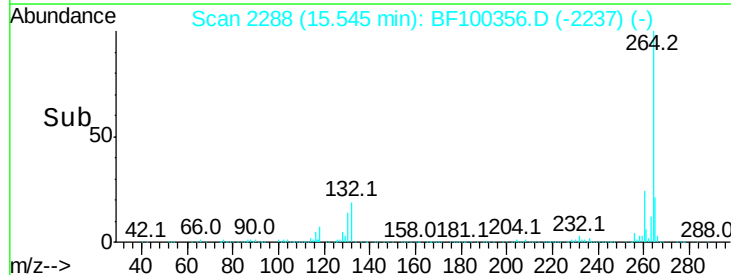
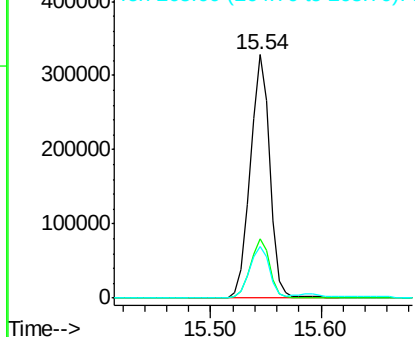


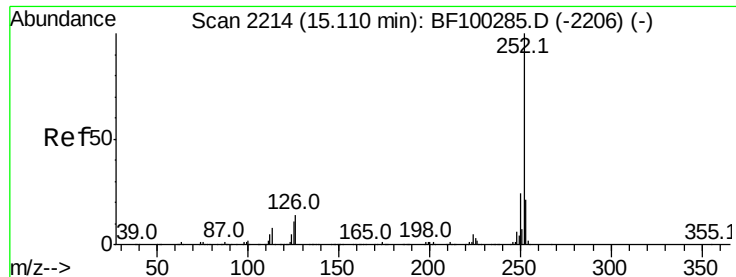
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BF100356.D
 Acq: 9 Nov 2017 22:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.4	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.005 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BF100356.D

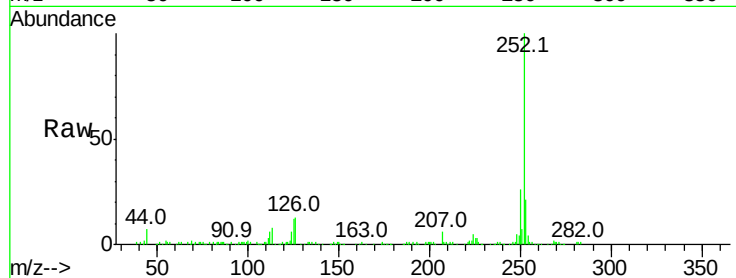
Acq: 9 Nov 2017 22:23

Instrument :

BNA_F

ClientSampleId :

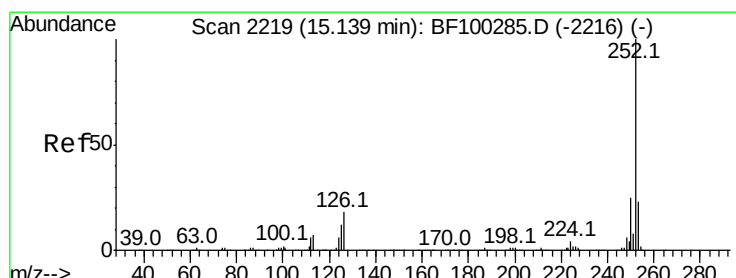
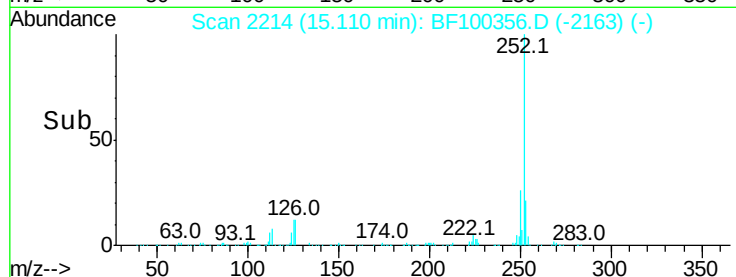
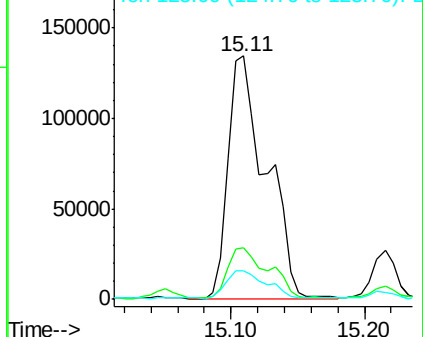
Tot Ion:252	Resp:	267225
Ion Ratio	Lower	Upper
252	100	
253	21.0	17.0 25.6
125	12.0	9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 11.647 ng

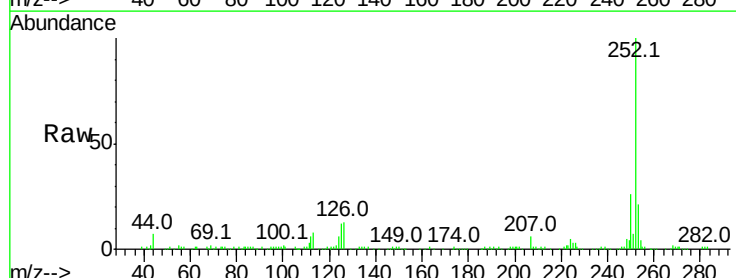
RT: 15.11 min Scan# 2214

Delta R.T. -0.04 min

Lab File: BF100356.D

Acq: 9 Nov 2017 22:23

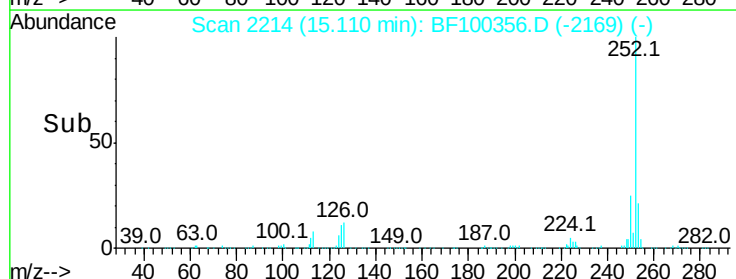
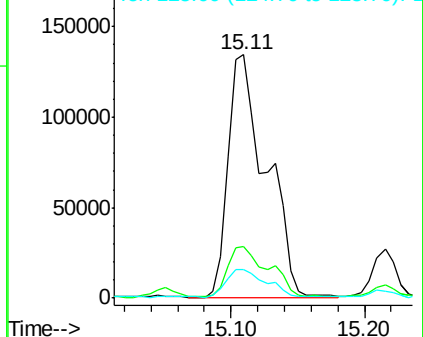
Tgt Ion:252	Resp:	267225
Ion Ratio	Lower	Upper
252	100	
253	21.0	17.9 26.9
125	12.0	10.2 15.2

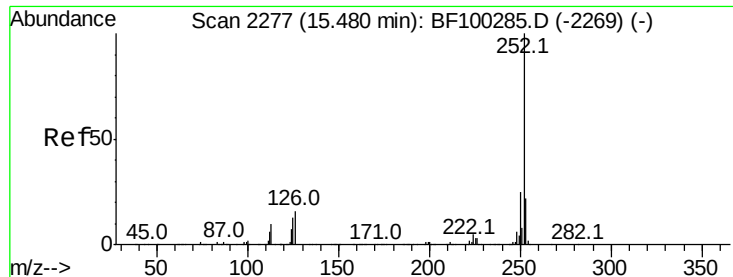


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

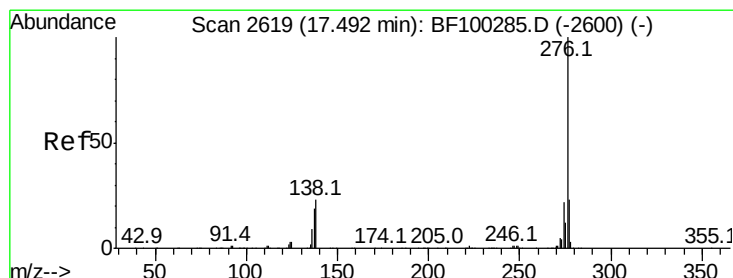
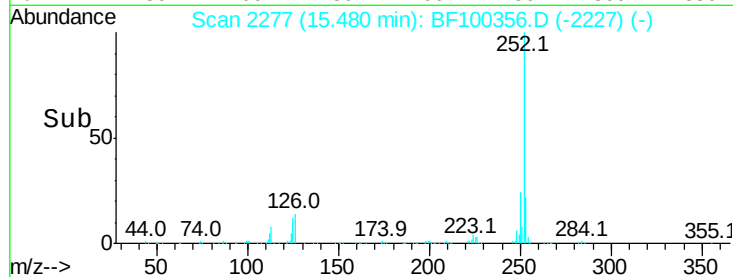
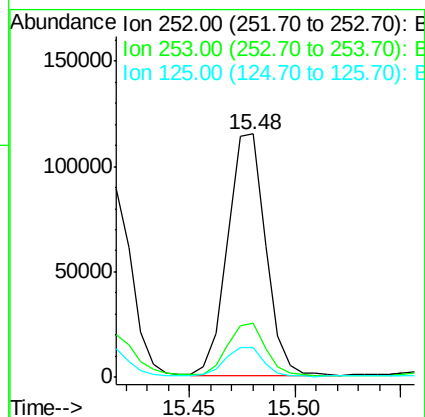
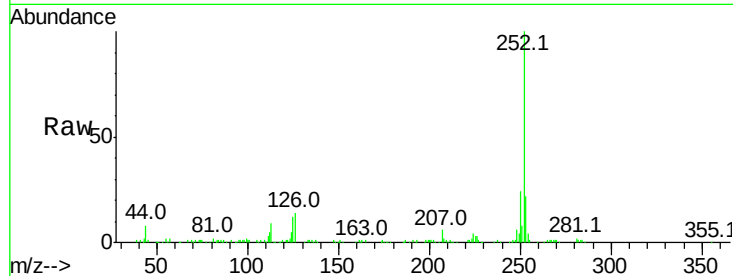




#89
Benzo(a)pyrene
Concen: 6.690 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 144010
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 12.3 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 5.732 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.01 min
Lab File: BF100356.D
Acq: 9 Nov 2017 22:23

Tgt Ion:276 Resp: 98788
Ion Ratio Lower Upper
276 100
277 23.7 17.9 26.9
138 24.0 21.8 32.8

