

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100334.D
 Acq On : 9 Nov 2017 11:41
 Operator : SJ/JU
 Sample : I6311-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 16:05:22 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

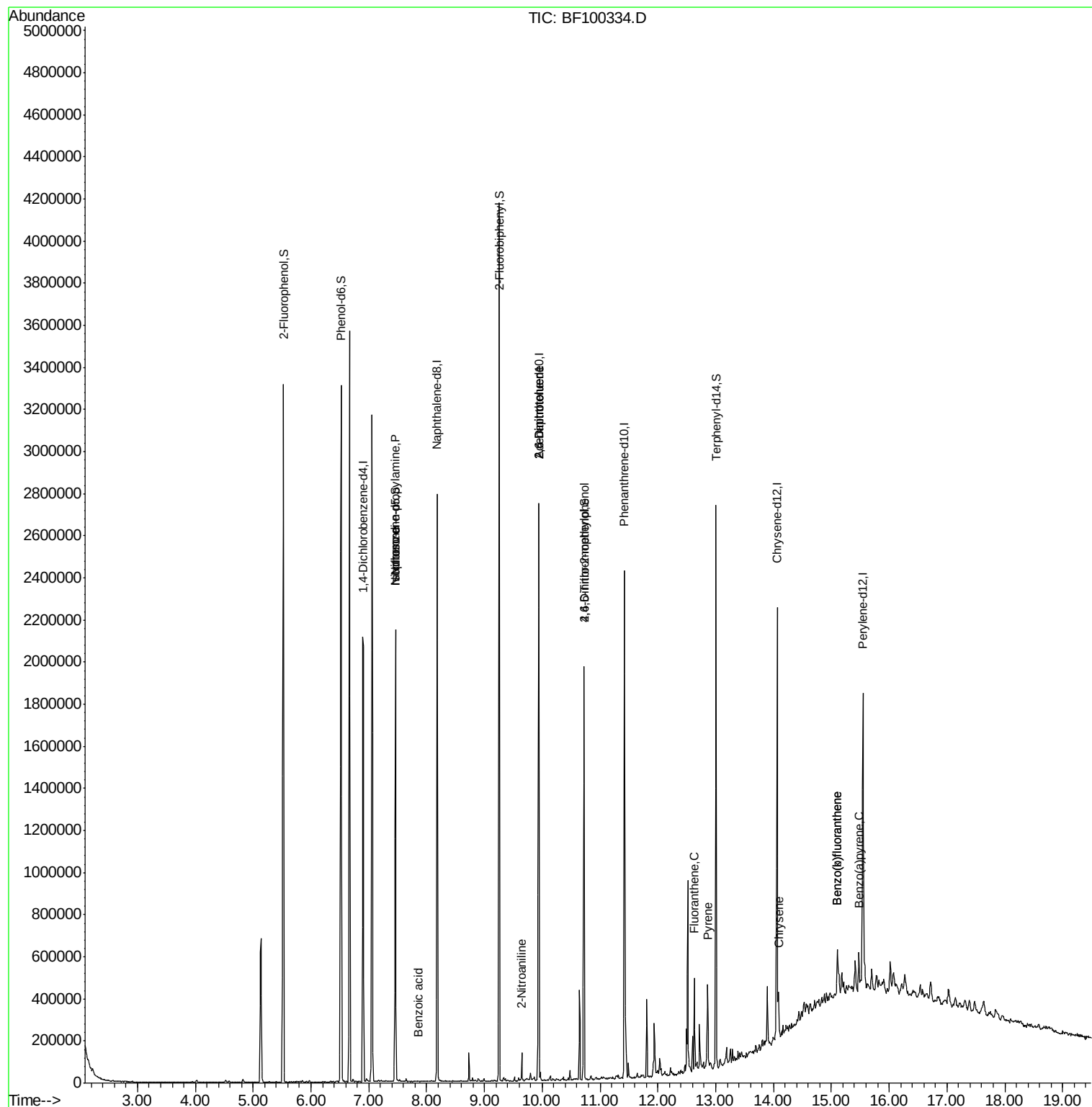
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	324519	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1242760	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	537174	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	860584	20.00	ng	0.00
75) Chrysene-d12	14.06	240	689274	20.00	ng	0.00
86) Perylene-d12	15.55	264	756537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	929218	45.90	ng	0.01
7) Phenol-d6	6.52	99	1153971	46.22	ng	0.00
23) Nitrobenzene-d5	7.46	82	741206	39.43	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	218878	39.99	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1287988	36.51	ng	0.00
78) Terphenyl-d14	13.00	244	895111	29.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	97668	5.641	ng	# 83
25) Isophorone	7.46	82	740768	18.753	ng	# 64
32) Benzoic acid	7.85	122	232	9.384	ng	# 1
47) 2-Nitroaniline	9.65	65	508	2.832	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	69079	8.509	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	69079	6.745	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	533	8.671	ng	# 1
74) Fluoranthene	12.63	202	155427	3.237	ng	98
77) Pyrene	12.86	202	153373	3.122	ng	98
82) Chrysene	14.09	228	88257	2.196	ng	97
87) Benzo(b)fluoranthene	15.10	252	160978	3.592	ng	# 92
88) Benzo(k)fluoranthene	15.10	252	160978	3.801	ng	95
89) Benzo(a)pyrene	15.47	252	85942	2.163	ng	# 90

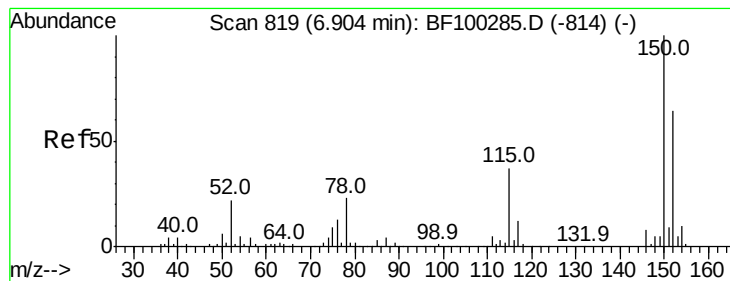
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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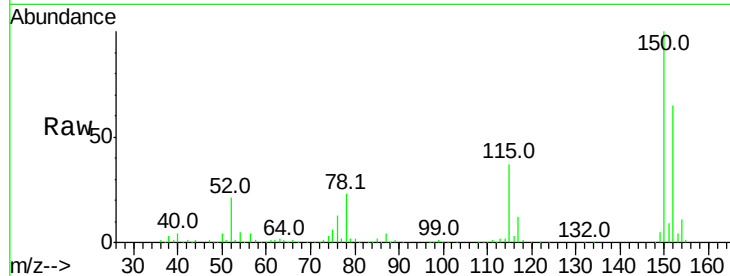


#1

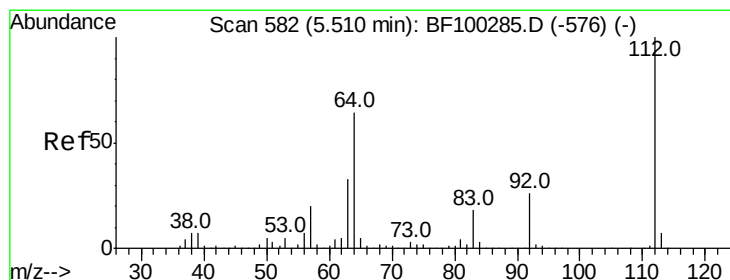
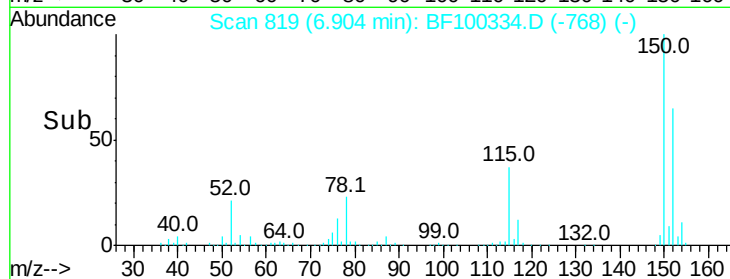
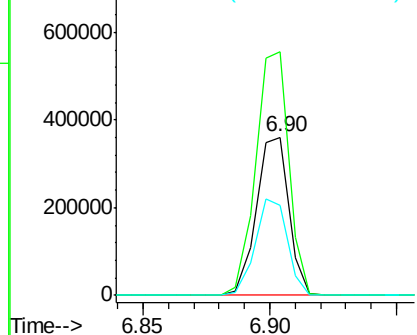
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 324519
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 56.9 50.1 75.1



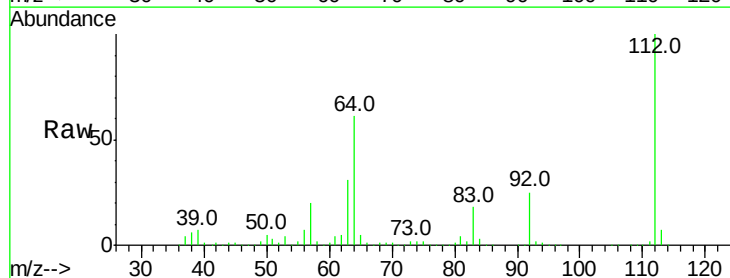
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



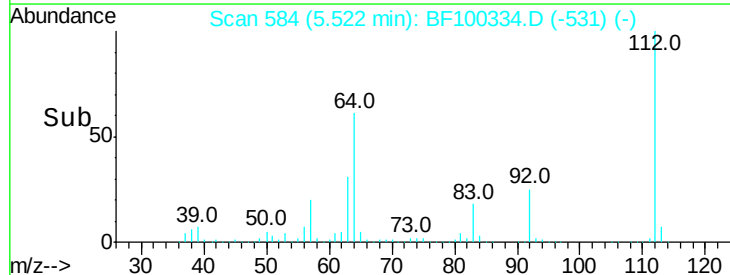
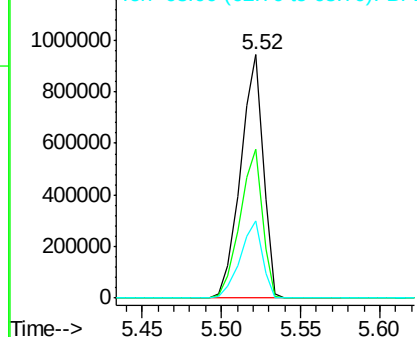
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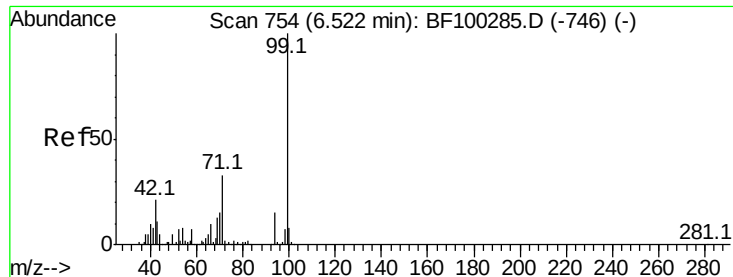
2-Fluorophenol
Concen: 45.899 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion:112 Resp: 929218
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 31.5 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: 46.225 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Instrument :

BNA_F

ClientSampleId :

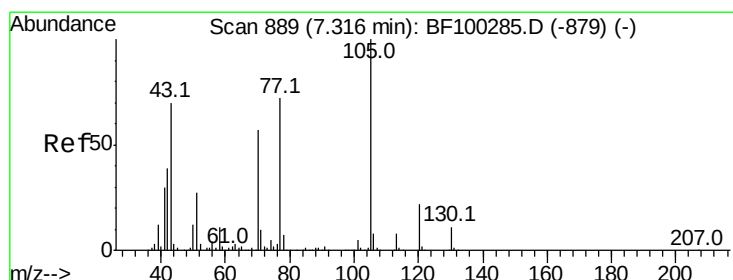
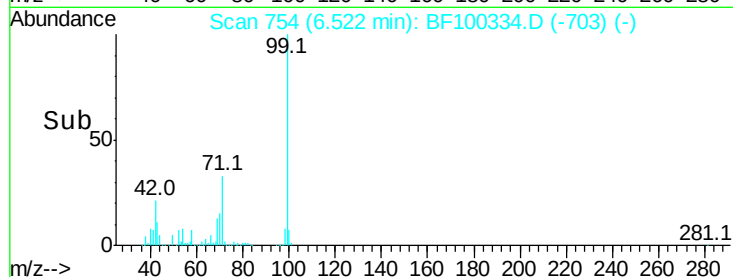
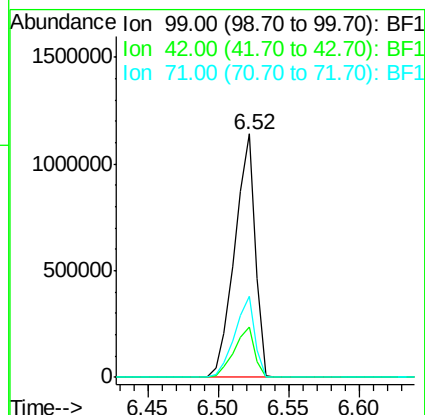
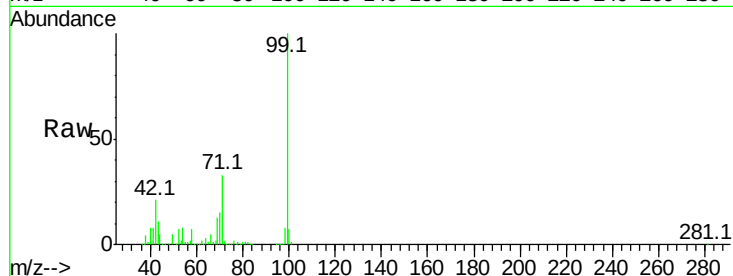
Tot Ion: 99 Resp: 1153971

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.641 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Tgt Ion: 70 Resp: 97668

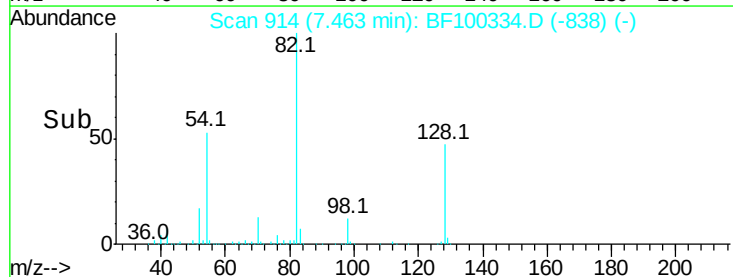
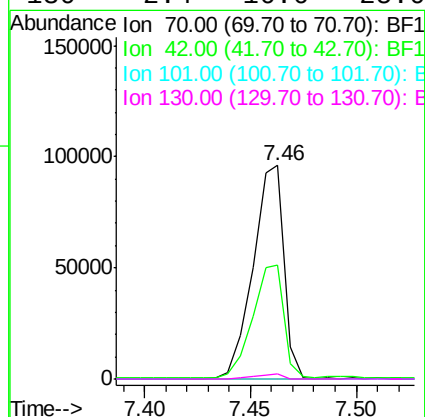
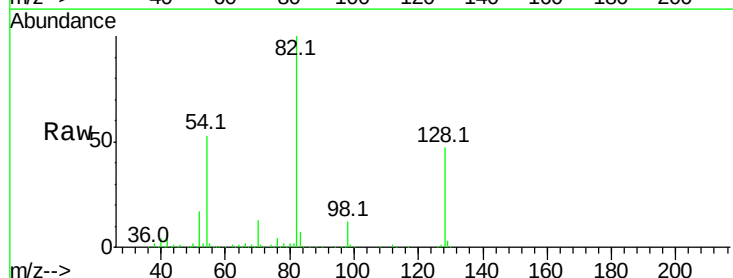
Ion Ratio Lower Upper

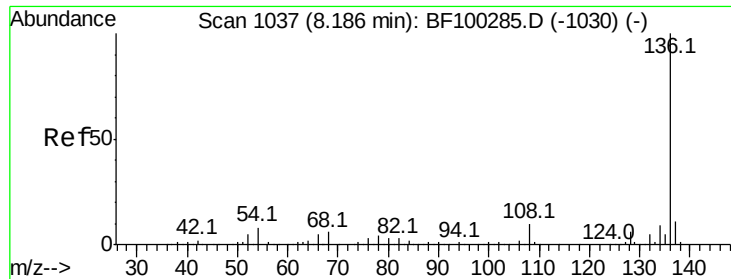
70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



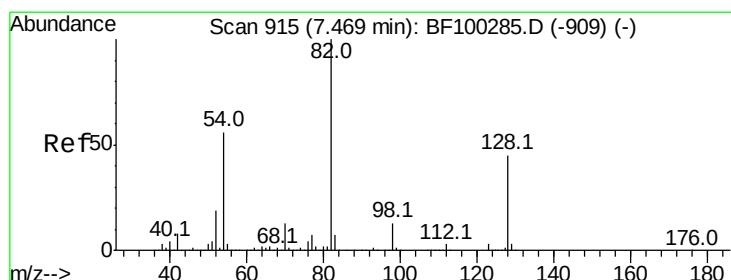
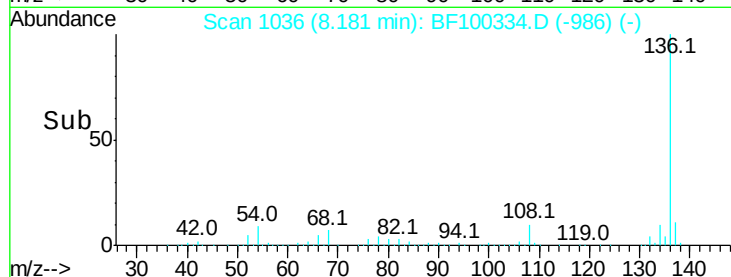
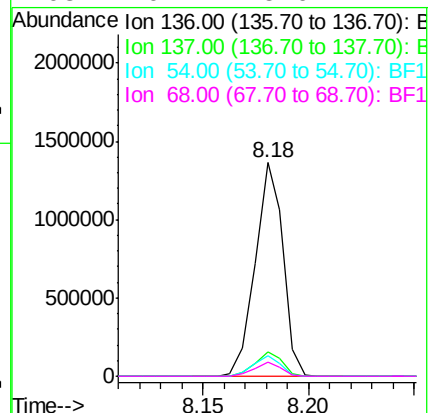
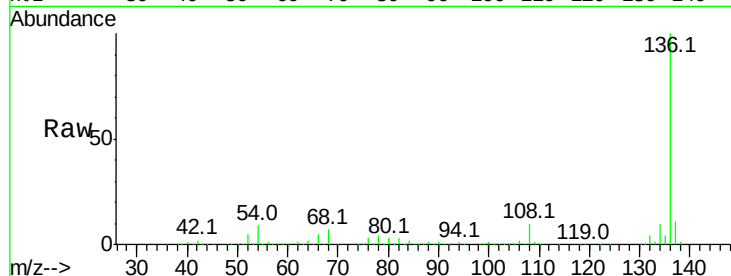


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1242760

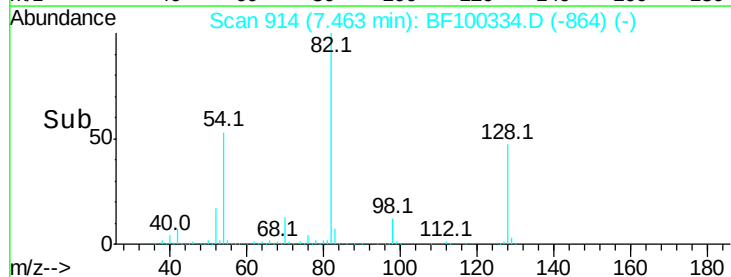
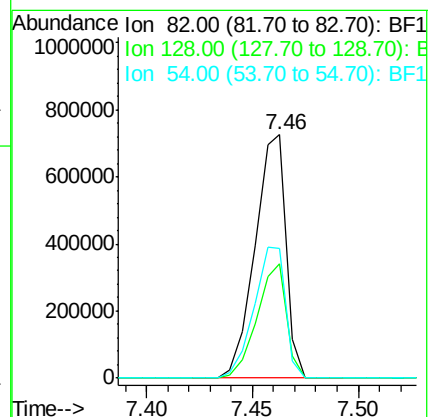
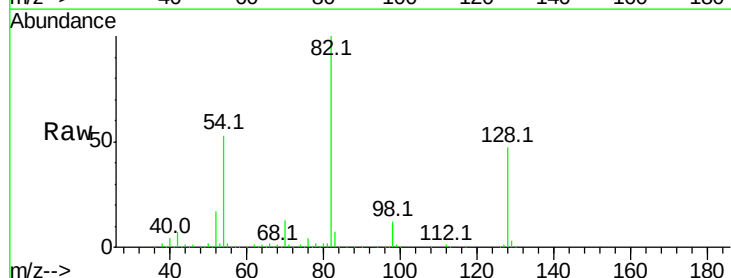
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.4	6.6	9.8
68	6.7	5.0	7.4

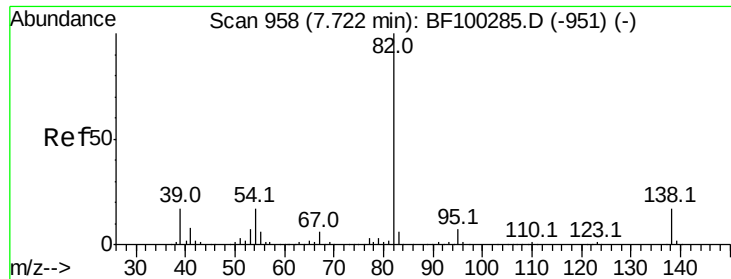


#23
Nitrobenzene-d5
Concen: 39.431 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion: 82 Resp: 741206

Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	53.1	41.4	62.2





#25

Isophorone

Concen: 18.753 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Instrument :

BNA_F

ClientSampled :

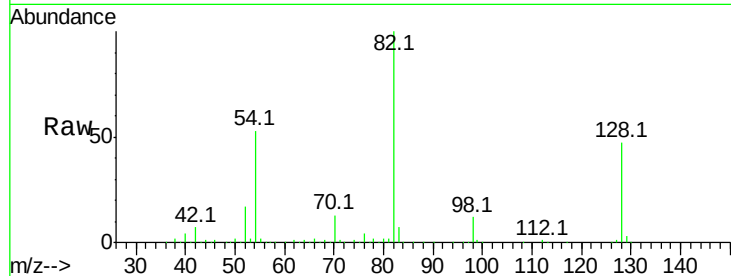
Tot Ion: 82 Resp: 740768

Ion Ratio Lower Upper

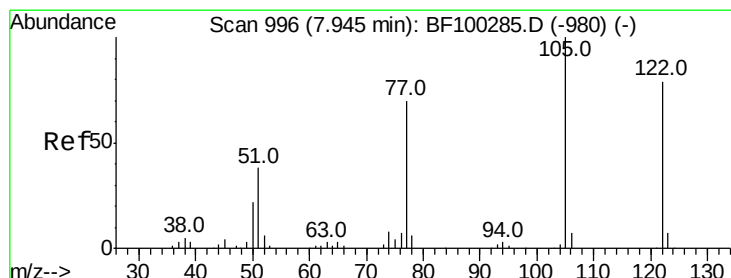
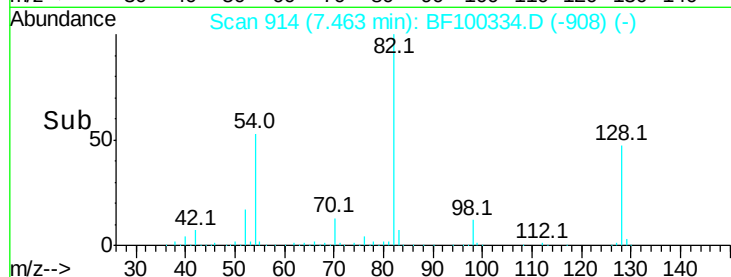
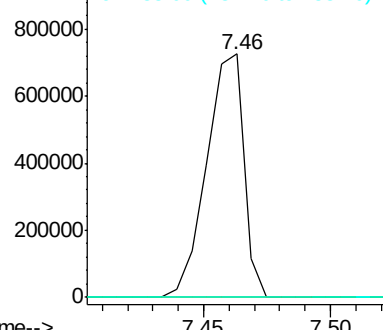
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 9.384 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.10 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

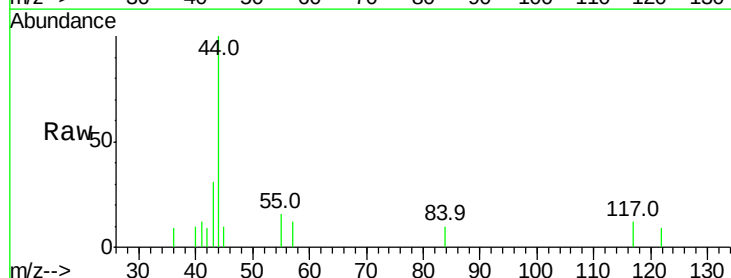
Tgt Ion: 122 Resp: 232

Ion Ratio Lower Upper

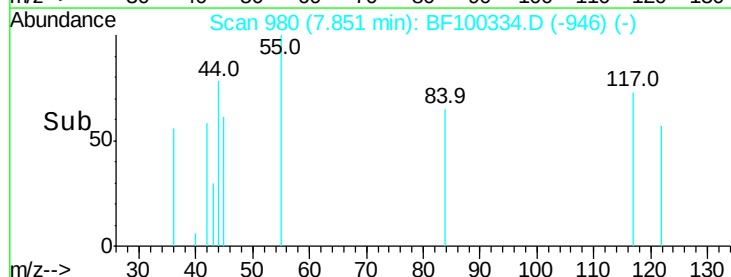
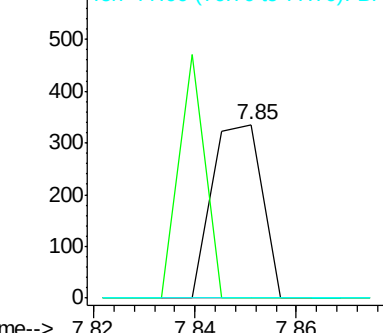
122 100

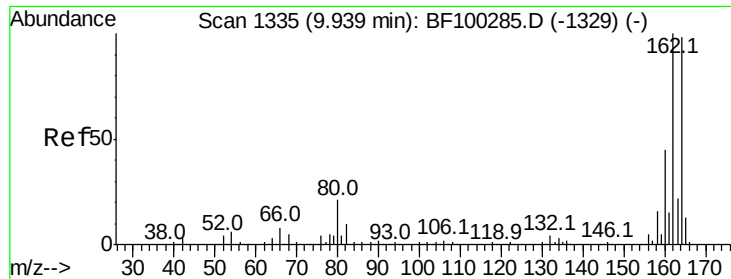
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



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

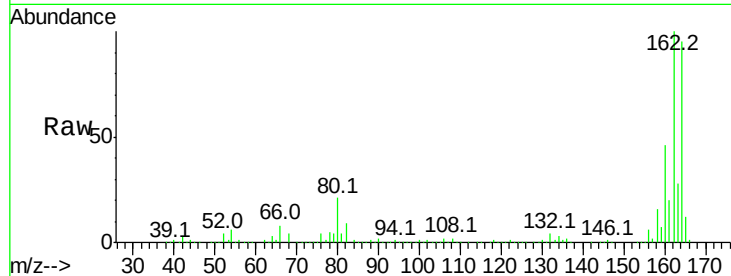




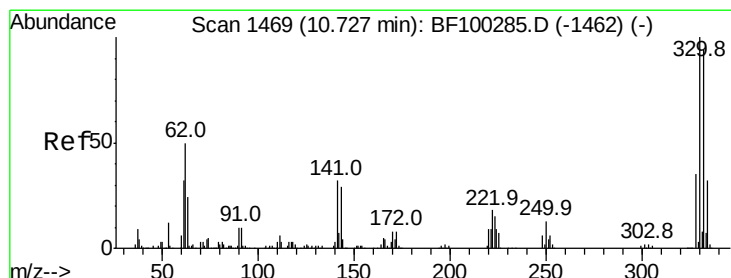
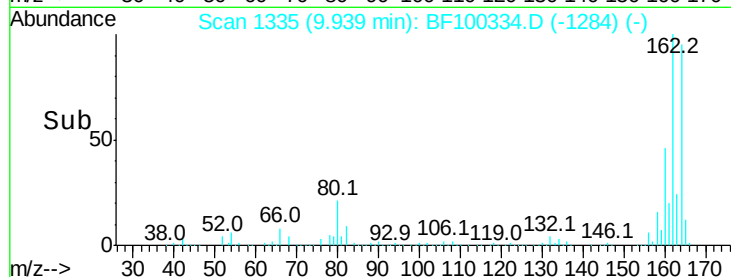
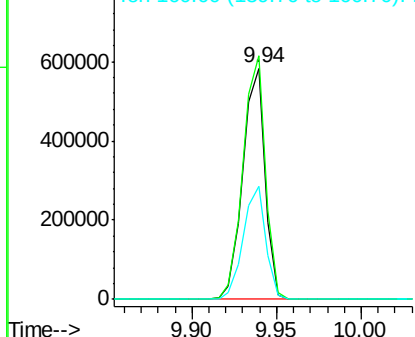
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 537174
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 48.7 38.3 57.5

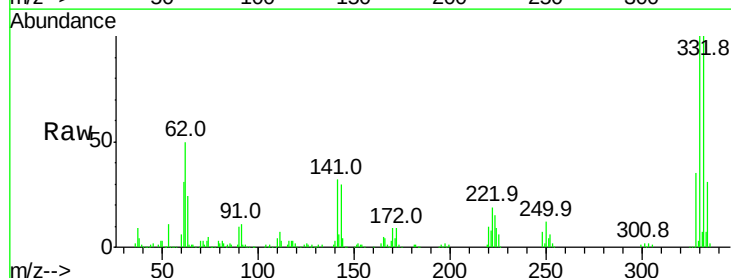


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

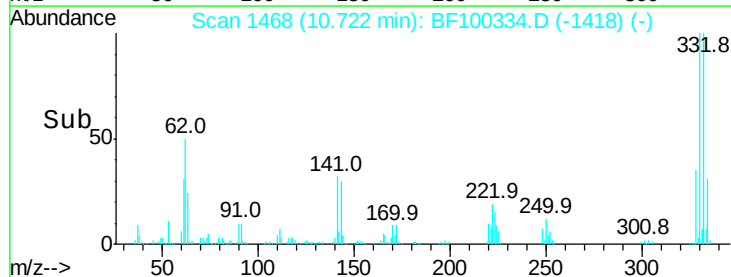
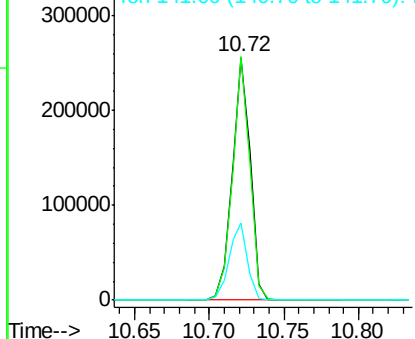


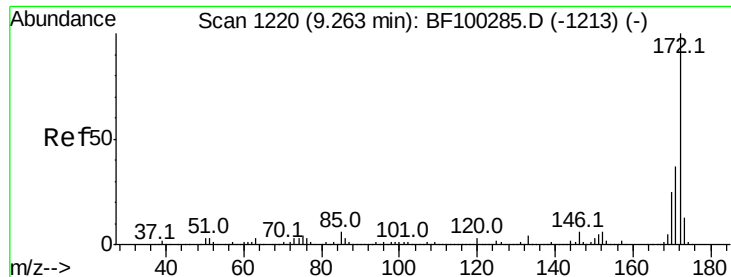
#41
2,4,6-Tribromophenol
Concen: 39.986 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion:330 Resp: 218878
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 32.3 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



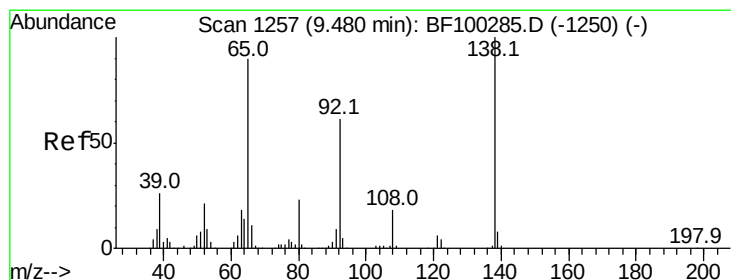
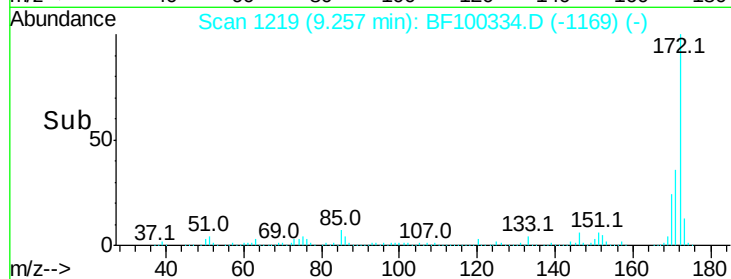
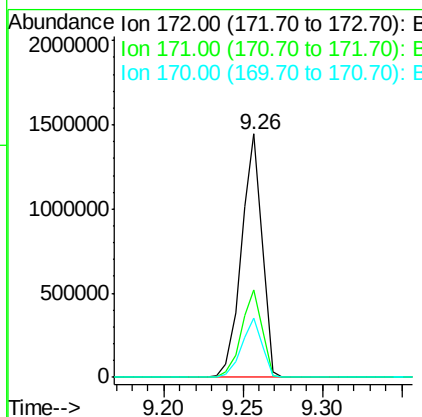
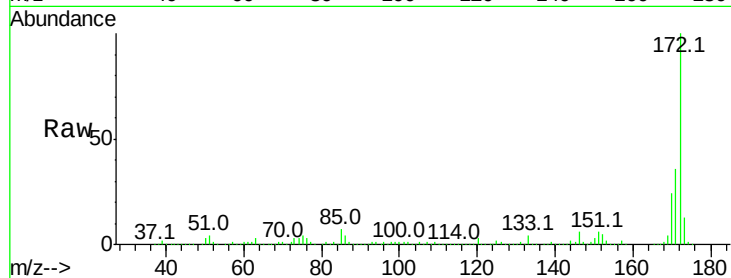


#44
 2-Fluorobiphenyl
 Concen: 36.510 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100334.D
 Acq: 9 Nov 2017 11:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1287988

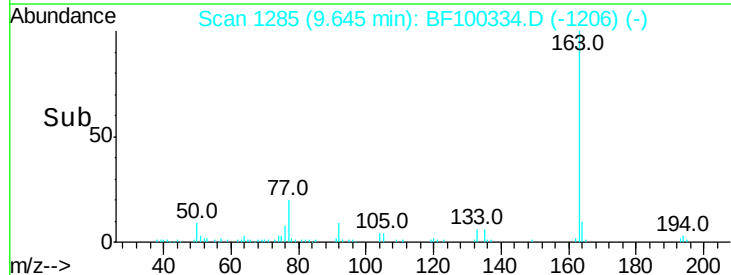
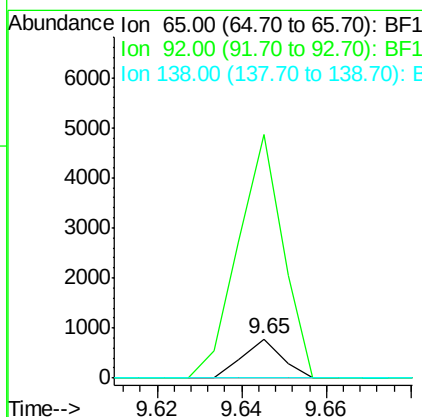
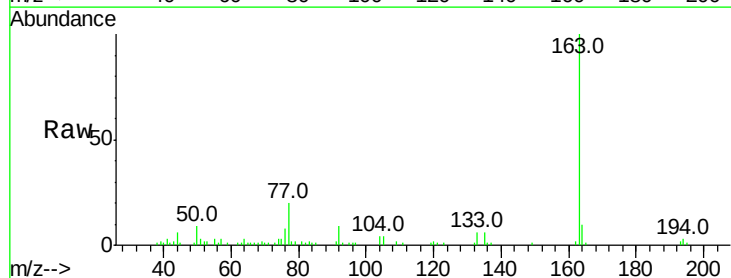
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

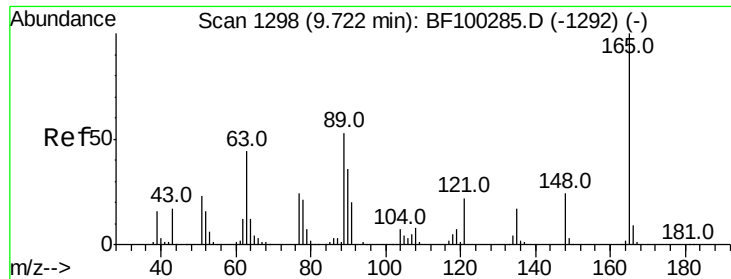


#47
 2-Nitroaniline
 Concen: 2.832 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. 0.16 min
 Lab File: BF100334.D
 Acq: 9 Nov 2017 11:41

Tgt Ion: 65 Resp: 508

Ion	Ratio	Lower	Upper
65	100		
92	619.4	55.8	83.6#
138	0.0	91.2	136.8#

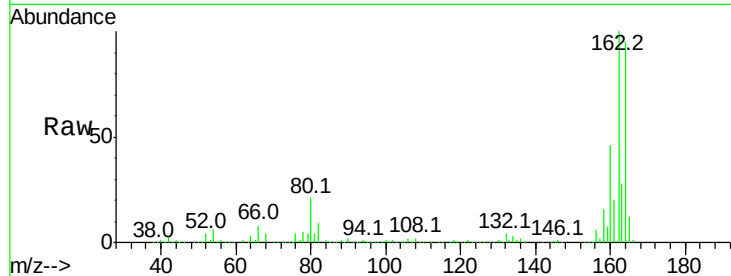




#50
2,6-Dinitrotoluene
Concen: 8.509 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Instrument :
BNA_F
ClientSampleId :

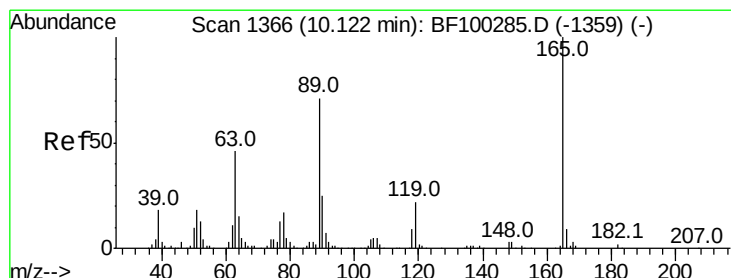
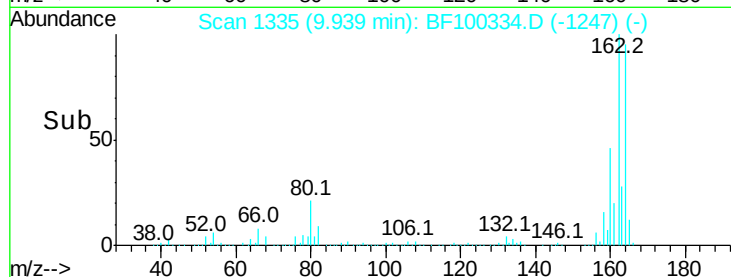
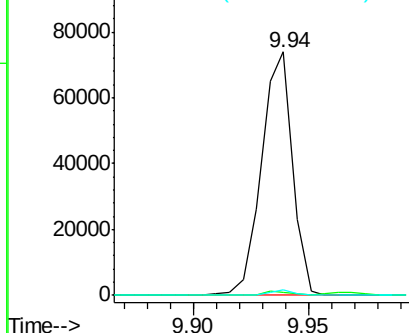
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	2.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
2,4-Dinitrotoluene
Concen: 6.745 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.18 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

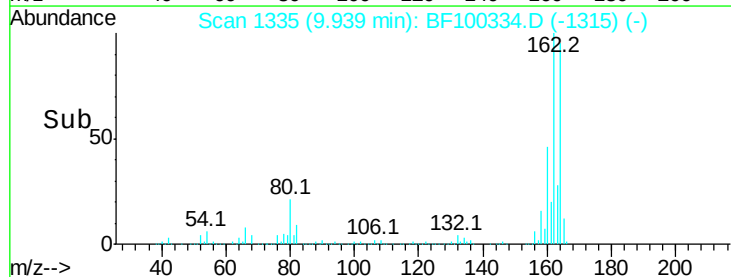
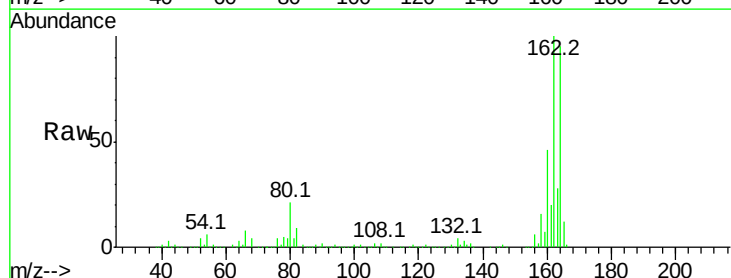
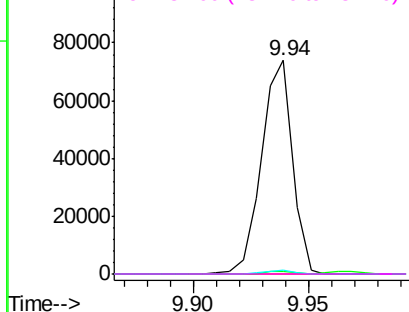
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

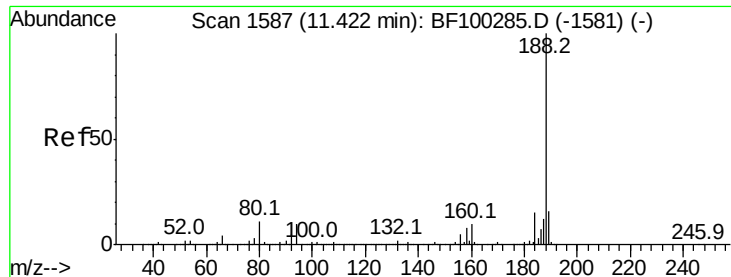
Abundance Ion 165.00 (164.70 to 165.70): E

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

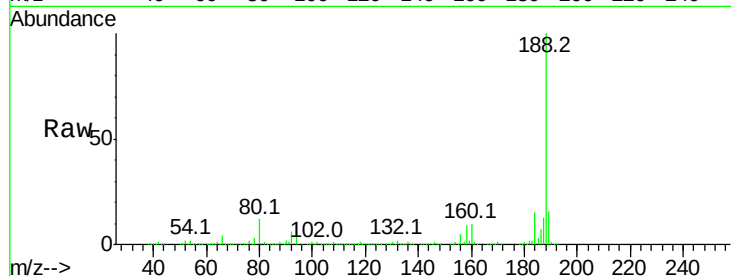




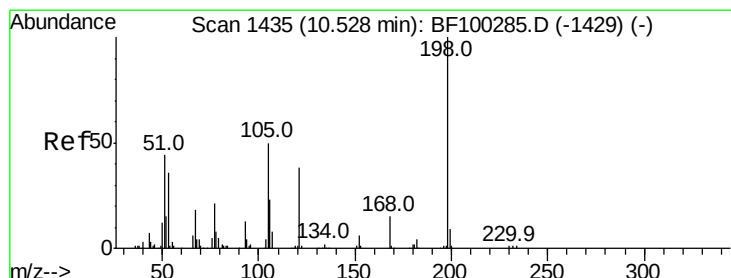
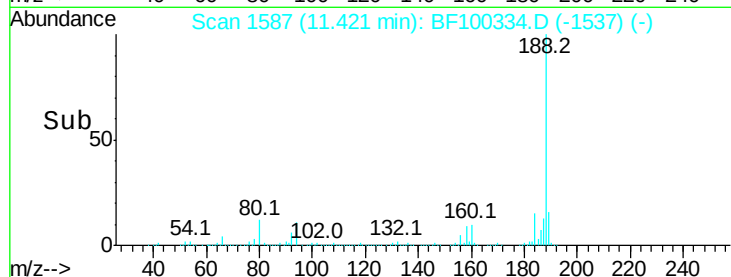
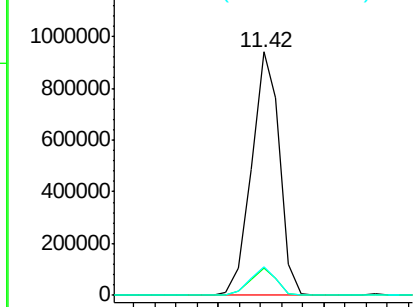
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 860584
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.9 9.2 13.8

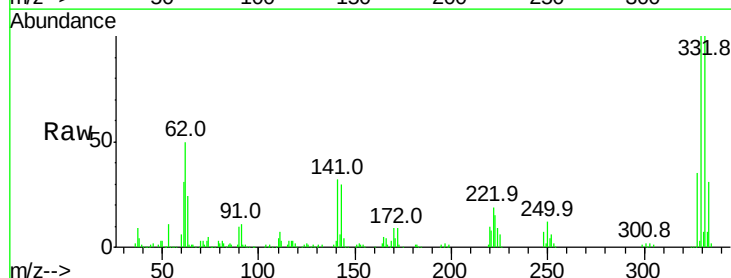


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

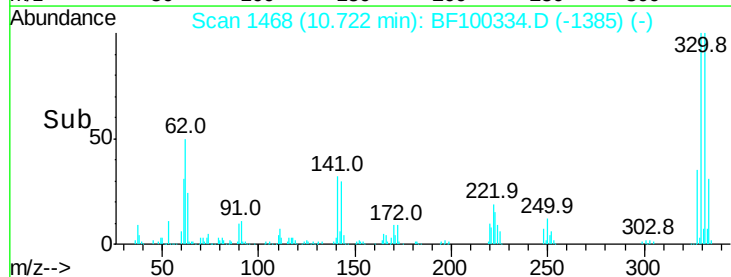
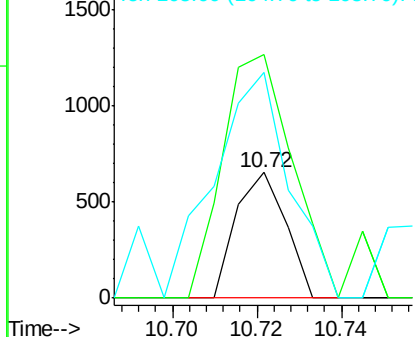


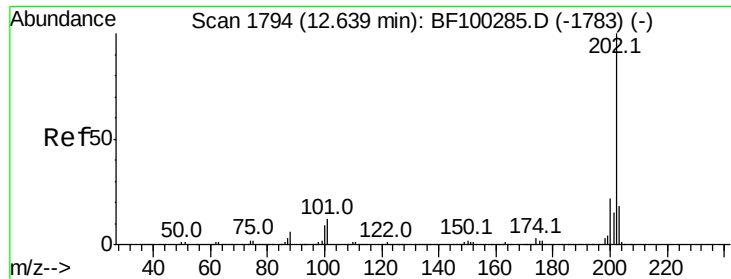
#64
4,6-Dinitro-2-methylphenol
Concen: 8.671 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion:198 Resp: 533
Ion Ratio Lower Upper
198 100
51 193.7 37.7 77.7#
105 179.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#74

Fluoranthene

Concen: 3.237 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF100334.D

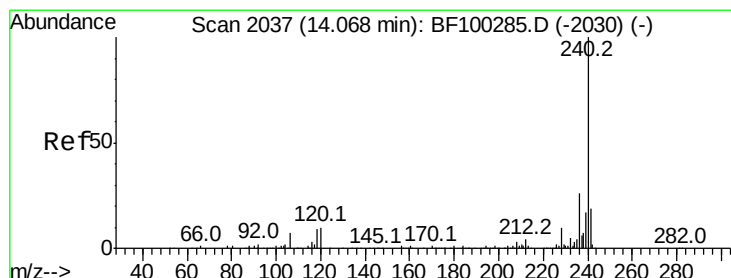
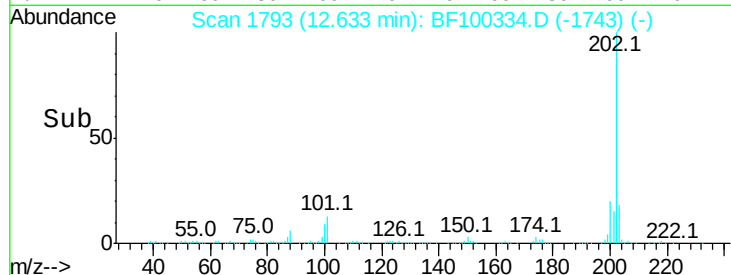
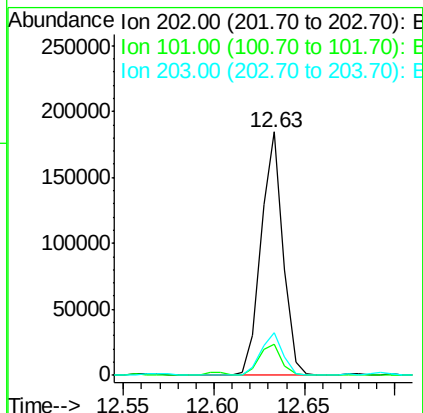
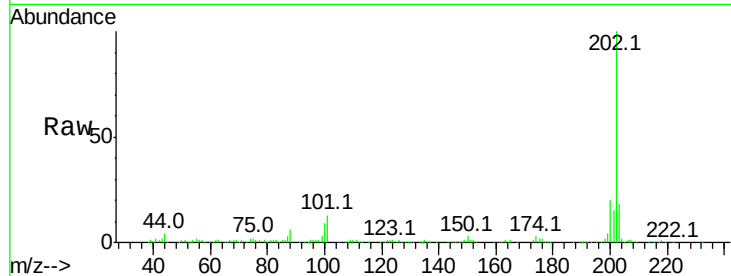
Acq: 9 Nov 2017 11:41

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	155427
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.7	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

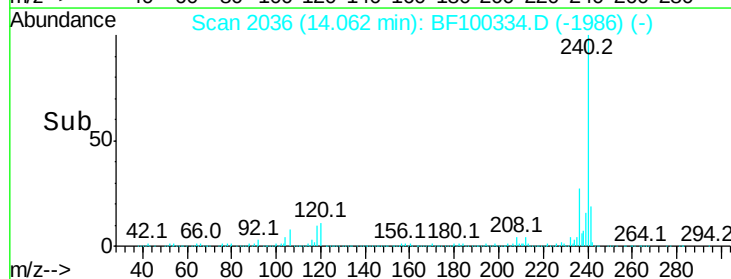
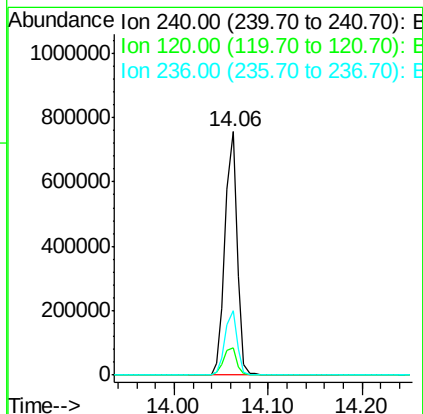
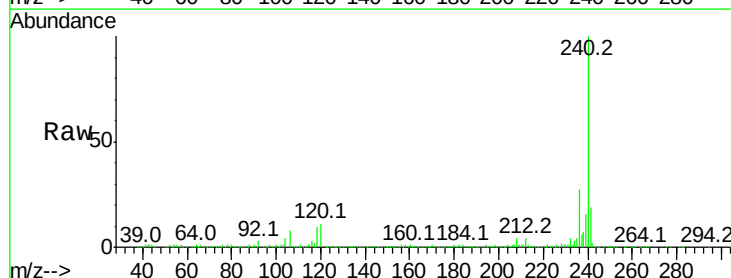
RT: 14.06 min Scan# 2036

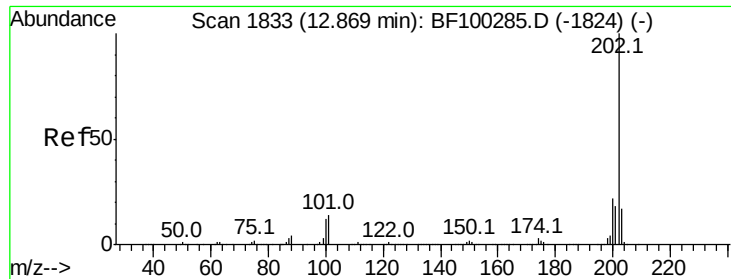
Delta R.T. -0.01 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Tgt Ion:	240	Resp:	689274
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	26.6	20.7	31.1

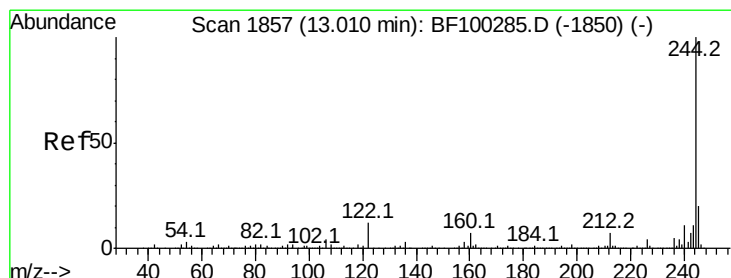
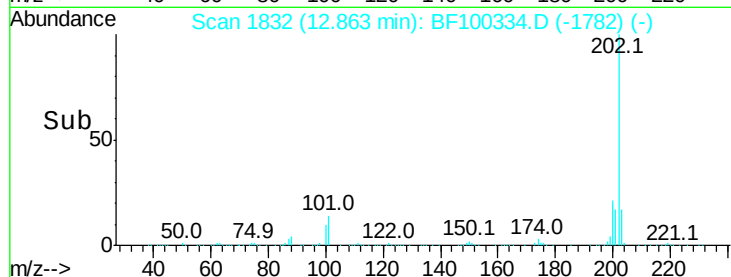
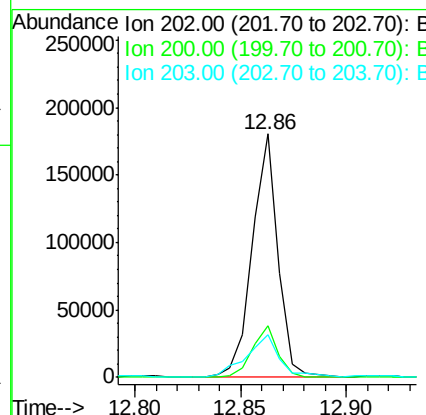
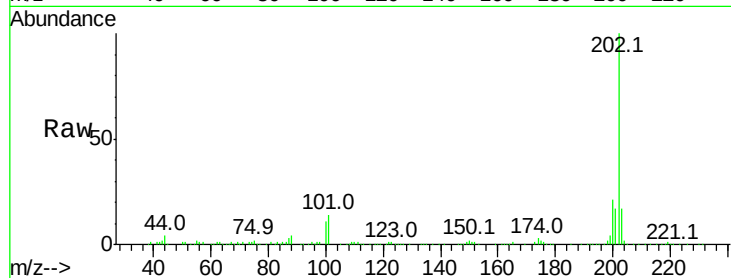




#77
Pvrene
Concen: 3.122 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

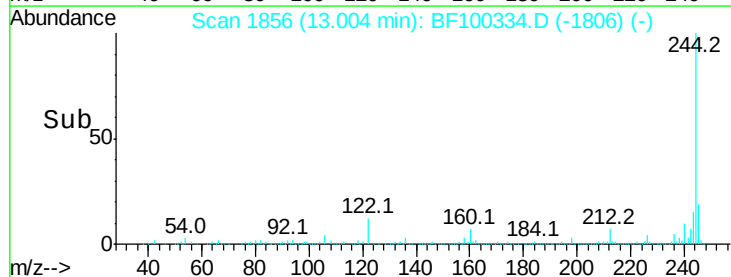
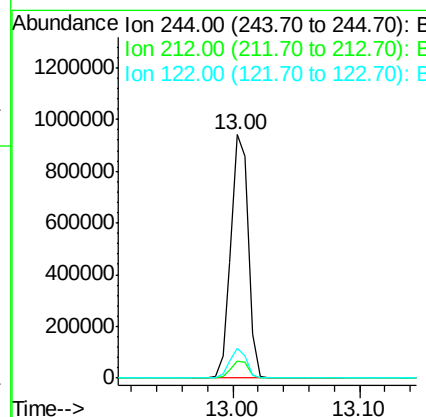
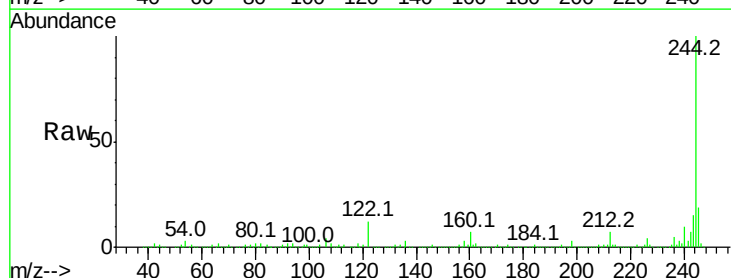
Instrument :
BNA_F
ClientSampled :

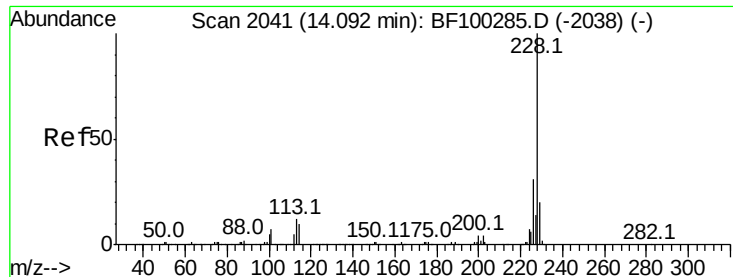
Tot Ion:202 Resp: 153373
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.4 14.3 21.5



#78
Terphenyl-d14
Concen: 29.839 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion:244 Resp: 895111
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 12.4 11.0 16.4





#82

Chrysene

Concen: 2.196 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Instrument :

BNA_F

ClientSampled :

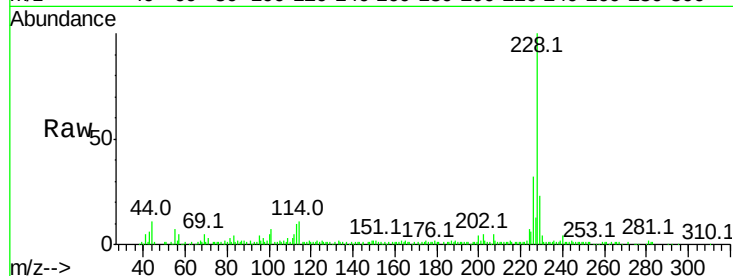
Tot Ion:228 Resp: 88257

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

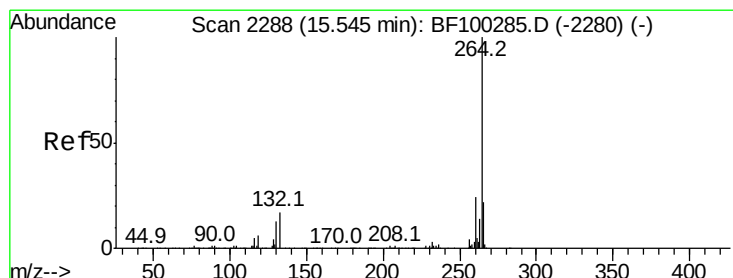
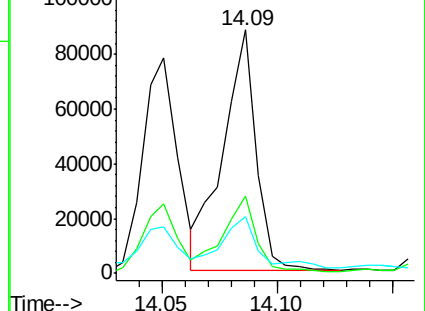
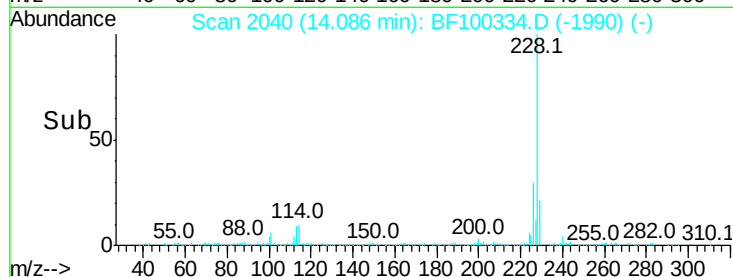
229 23.1 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

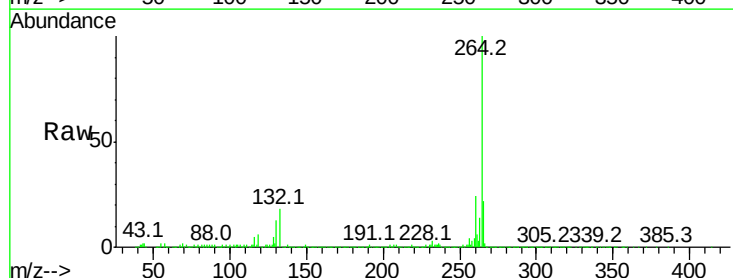
Tgt Ion:264 Resp: 756537

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

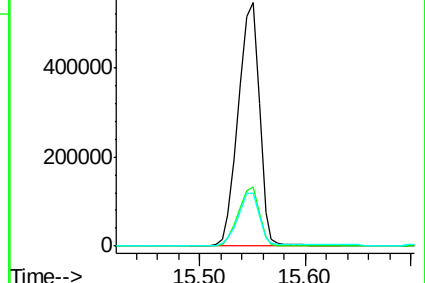
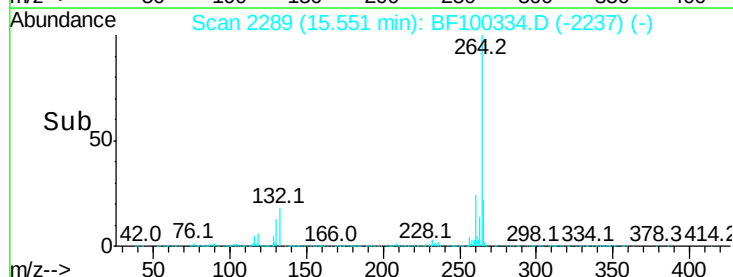
265 22.0 17.5 26.3

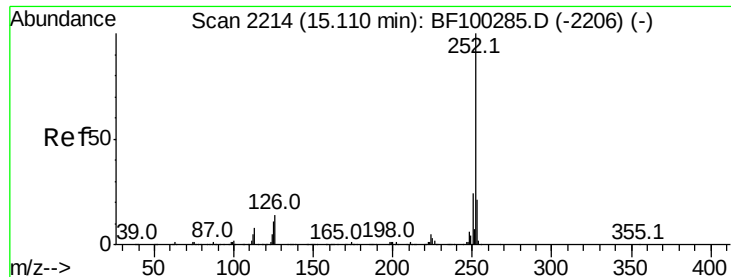


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

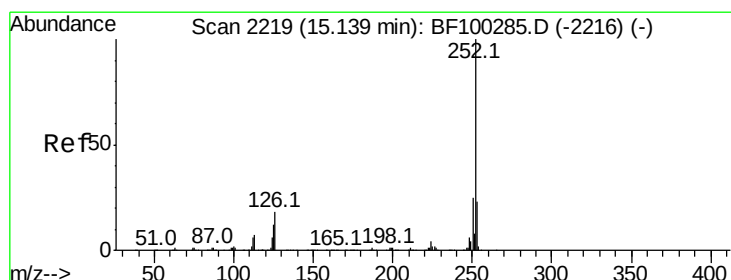
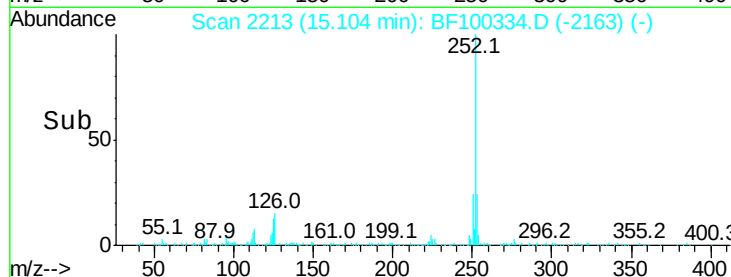
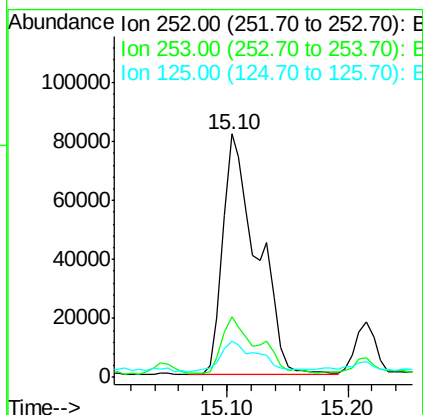
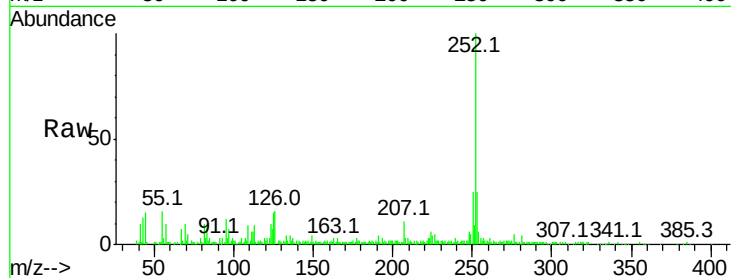




#87
Benzo(b)fluoranthene
Concen: 3.592 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

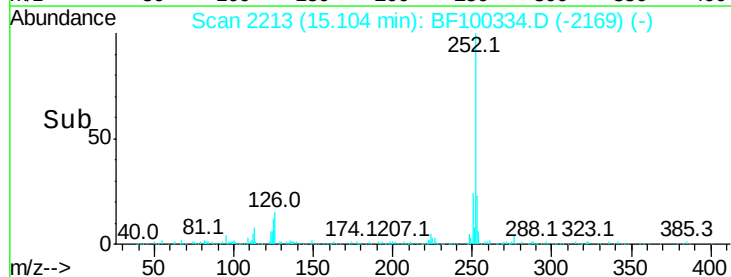
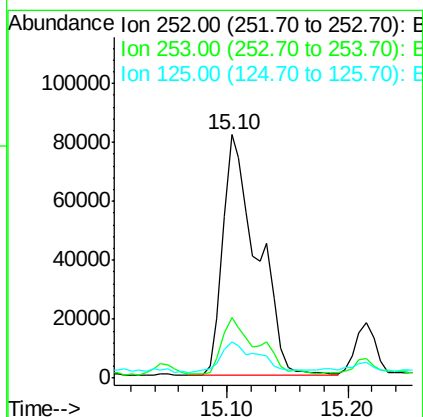
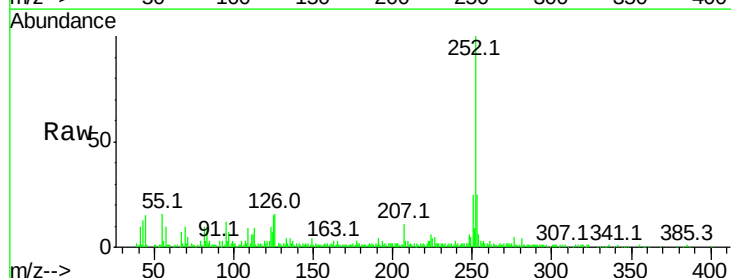
Instrument :
BNA_F
ClientSampled :

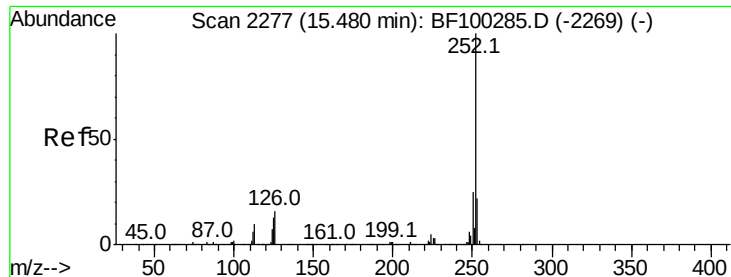
Tot Ion:252 Resp: 160978
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 14.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.801 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF100334.D
Acq: 9 Nov 2017 11:41

Tgt Ion:252 Resp: 160978
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 14.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.163 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF100334.D

Acq: 9 Nov 2017 11:41

Instrument :

BNA_F

ClientSampleId :

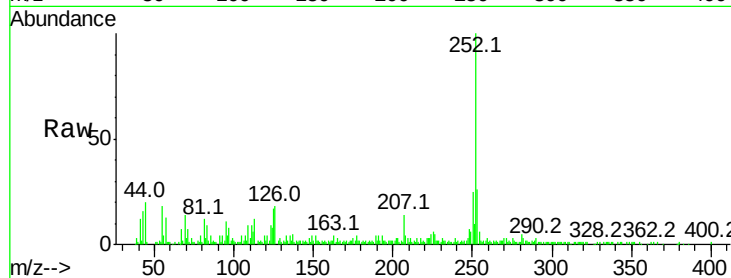
Tot Ion: 252 Resp: 85942

Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

125 16.6 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

