

Data File : BF100438.D
Acq On : 11 Nov 2017 14:09
Operator : SJ/JU
Sample : I6407-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3091-4235

Quant Time: Nov 13 01:07:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	160267	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	601357	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	249584	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	403749	20.00	ng	0.00
75) Chrysene-d12	14.07	240	334133	20.00	ng	0.00
86) Perylene-d12	15.55	264	249880	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	644523	64.47	ng	0.00
7) Phenol-d6	6.53	99	794328	64.43	ng	0.00
23) Nitrobenzene-d5	7.46	82	472503	51.95	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	157284	61.84	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	875140	53.39	ng	0.00
78) Terphenyl-d14	13.01	244	649524	44.67	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.54	94	36701	2.84	ng	94
19) n-Nitroso-di-n-propylamine	7.46	70	62075	7.26	ng	# 81
25) Isophorone	7.46	82	472152	24.70	ng	# 64
47) 2-Nitroaniline	9.65	65	360	2.86	ng	# 1
49) Dimethylphthalate	9.65	163	55408	2.91	ng	# 98
50) 2,6-Dinitrotoluene	9.94	165	31340	8.31	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	31340	6.59	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	120	8.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	9781	2.26	ng	# 1
74) Fluoranthene	12.64	202	51325	2.28	ng	96
77) Pyrene	12.87	202	50959	2.14	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	48076	3.05	ng	94
87) Benzo(b)fluoranthene	15.12	252	48423	3.27	ng	# 92
88) Benzo(k)fluoranthene	15.12	252	48423	3.46	ng	95
89) Benzo(a)pyrene	15.49	252	27869	2.12	ng	# 85
91) Benzo(g,h,i)perylene	17.50	276	100658	9.58	ng	95

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

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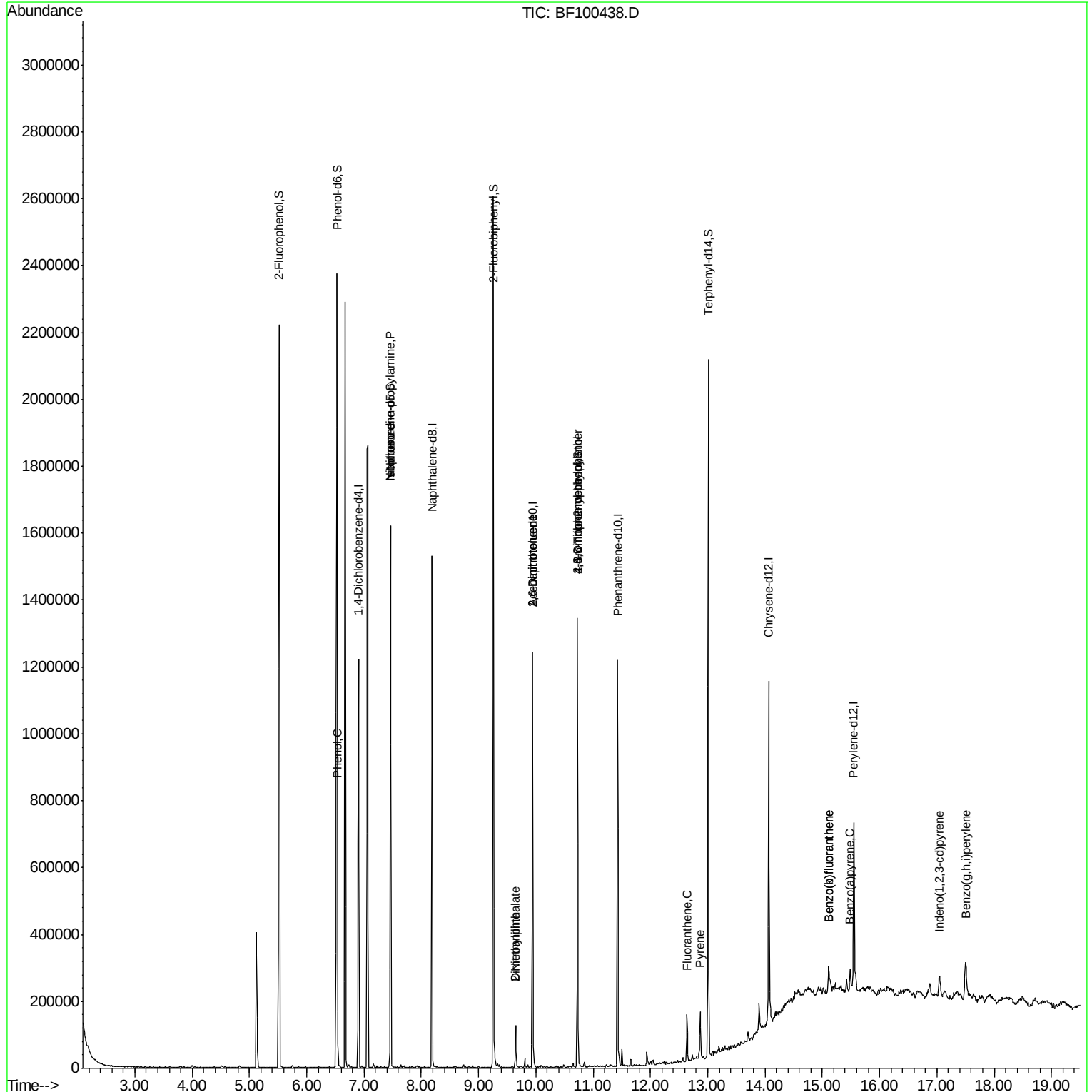
Quant Time: Nov 13 01:07:46 2017

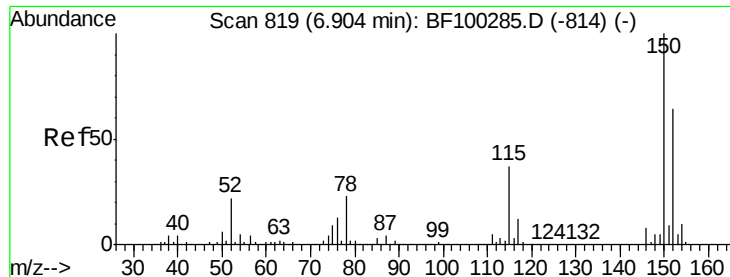
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

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Instrument :

BNA_F

ClientSampleId :

3091-4235

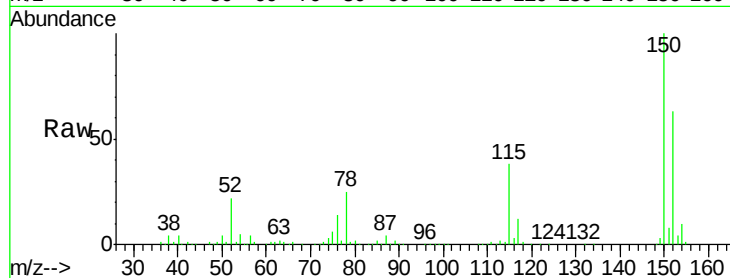
Tgt Ion:152 Resp: 160267

Ion Ratio Lower Upper

152 100

150 159.5 124.6 186.8

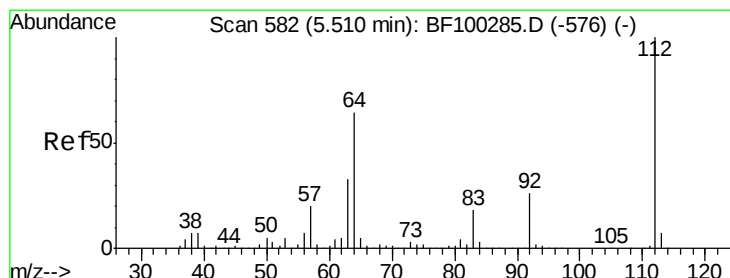
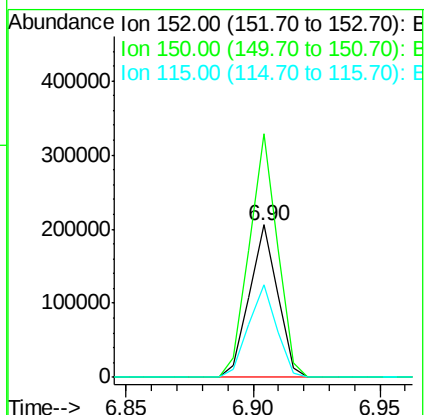
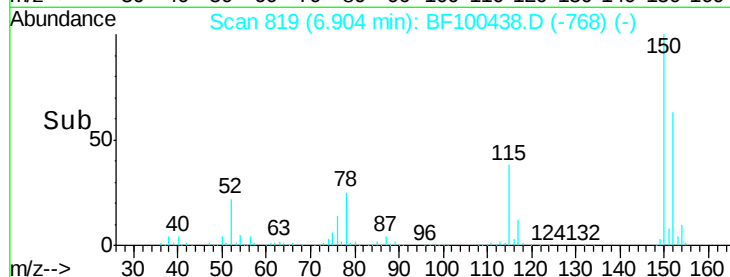
115 60.5 50.1 75.1



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: 64.47 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

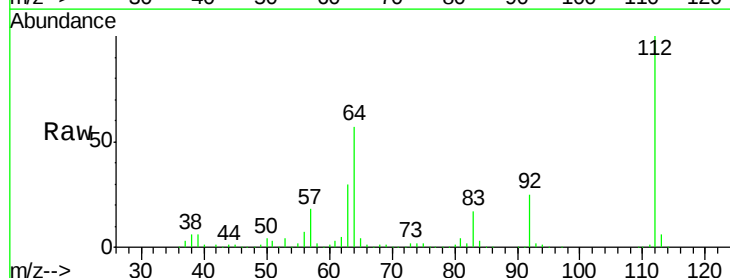
Tgt Ion:112 Resp: 644523

Ion Ratio Lower Upper

112 100

64 57.4 47.9 71.9

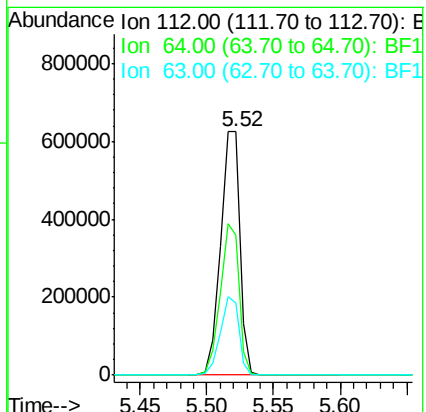
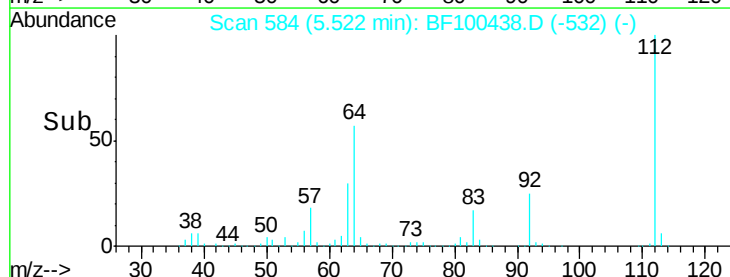
63 29.6 23.7 35.5

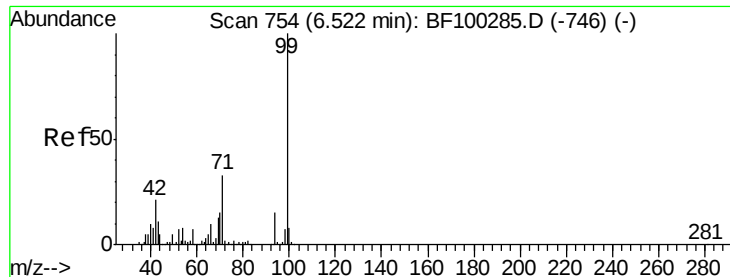


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 64.43 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

Instrument :

BNA_F

ClientSampleId :

3091-4235

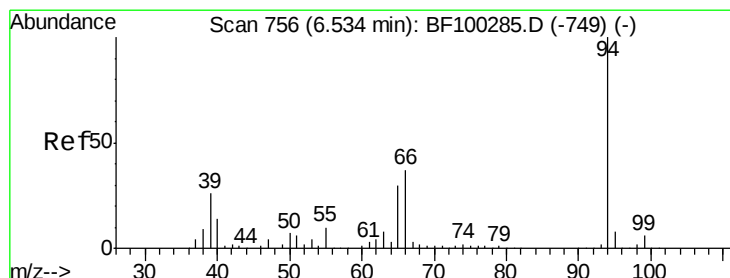
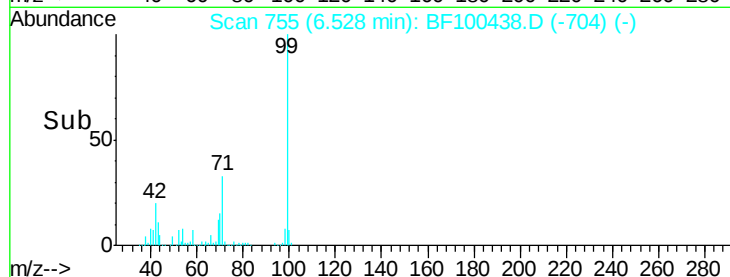
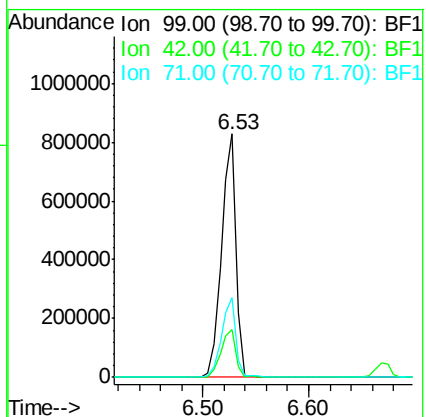
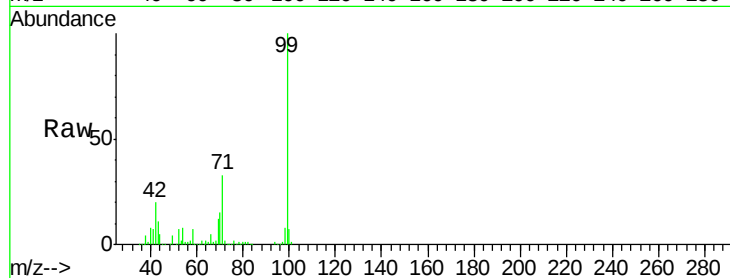
Tgt Ion: 99 Resp: 794328

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.8 25.4 38.0



#10

Phenol

Concen: 2.84 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

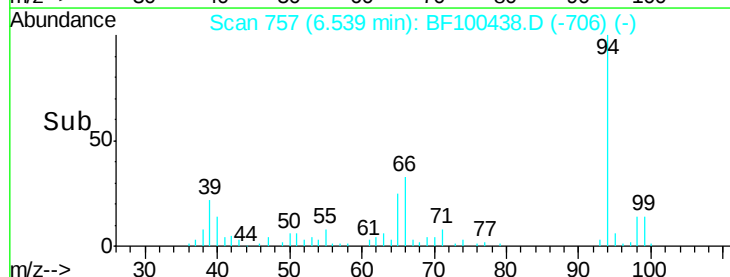
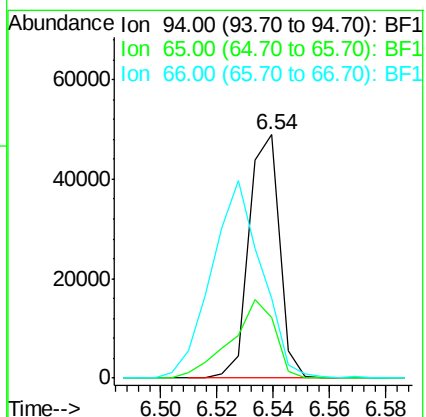
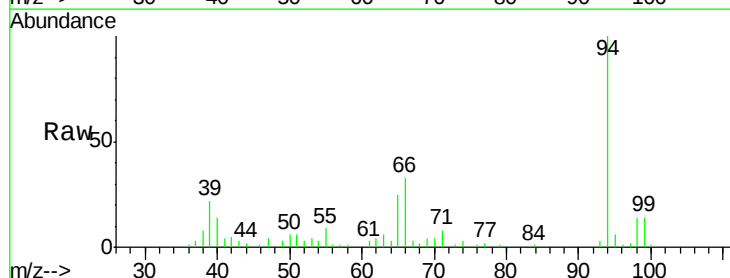
Tgt Ion: 94 Resp: 36701

Ion Ratio Lower Upper

94 100

65 24.8 7.9 47.9

66 33.0 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 7.26 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

Instrument :

BNA_F

ClientSampleId :

3091-4235

Tgt Ion: 70 Resp: 62075

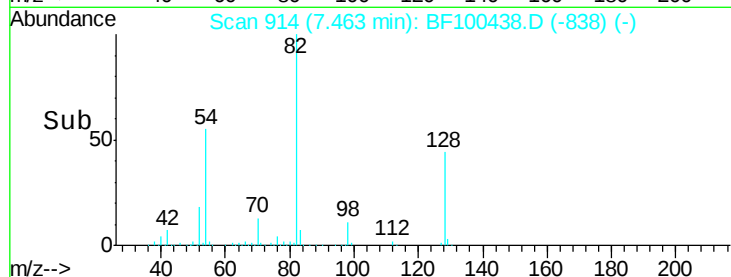
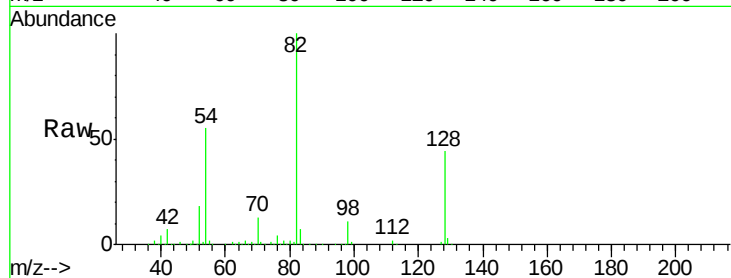
Ion Ratio Lower Upper

70 100

42 51.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

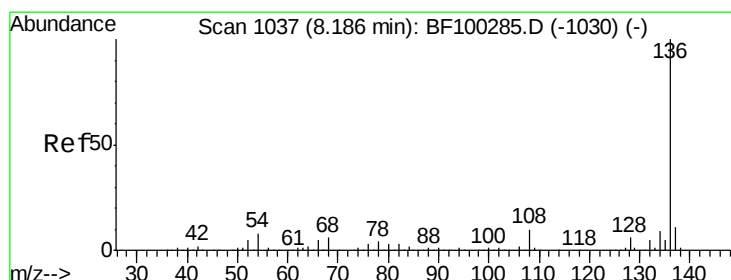
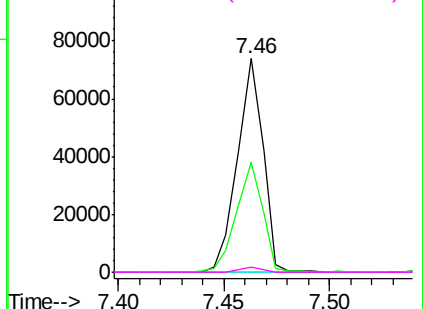


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

Tgt Ion: 136 Resp: 601357

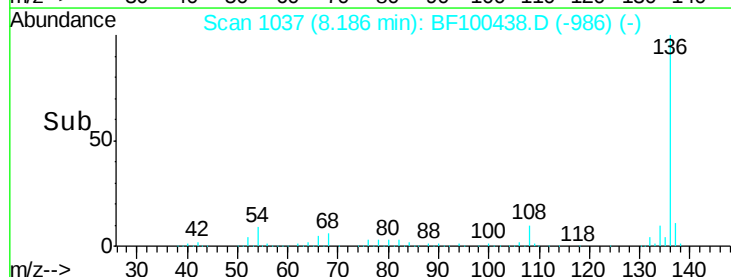
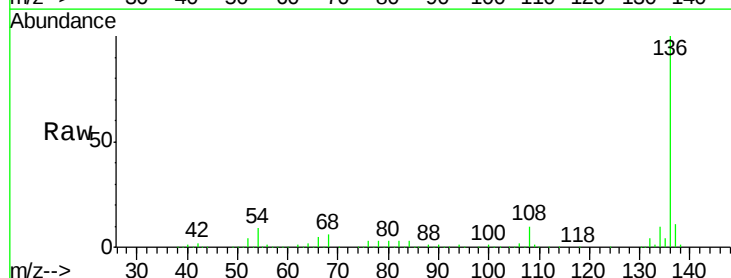
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

68 6.5 5.0 7.4

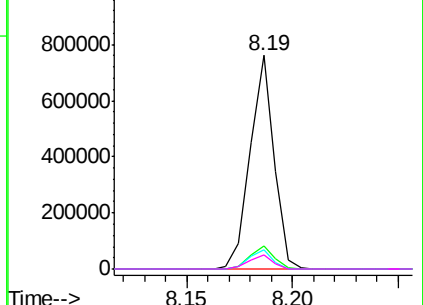


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

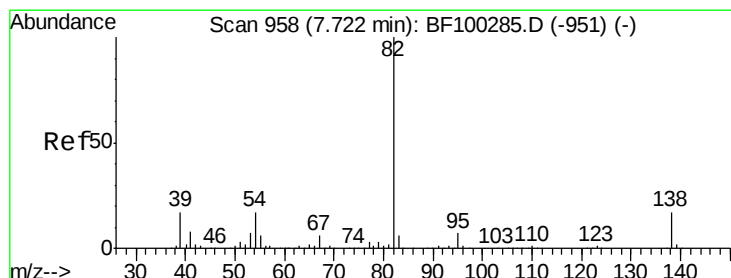
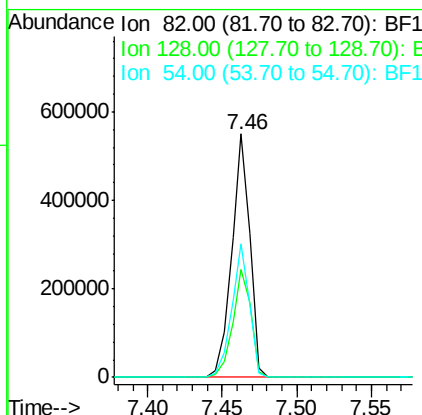
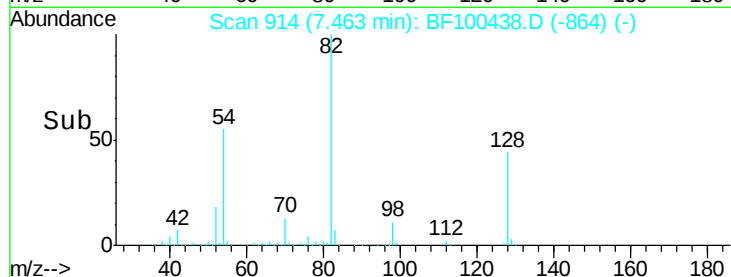
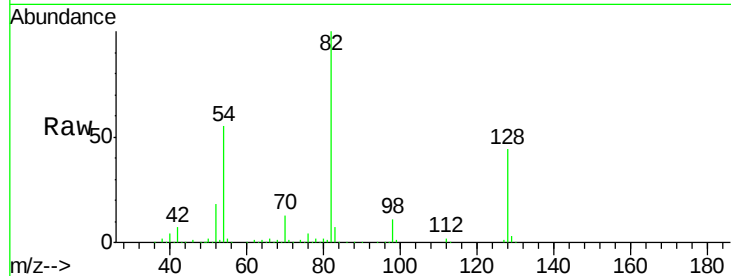




#23
Nitrobenzene-d5
Concen: 51.95 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

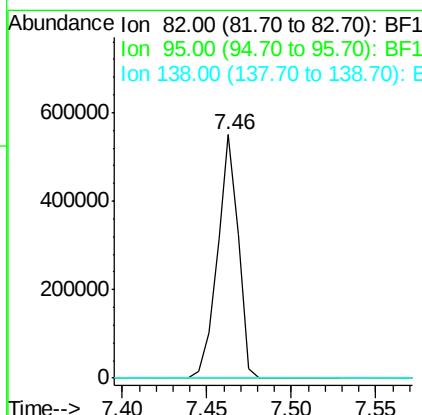
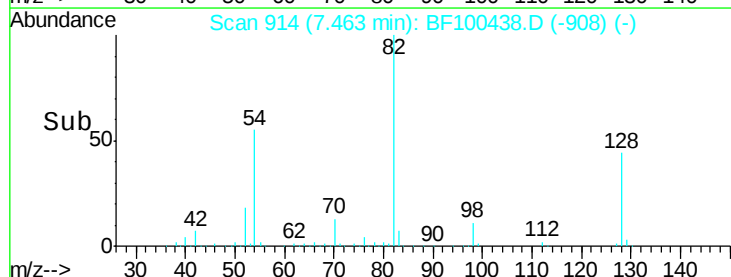
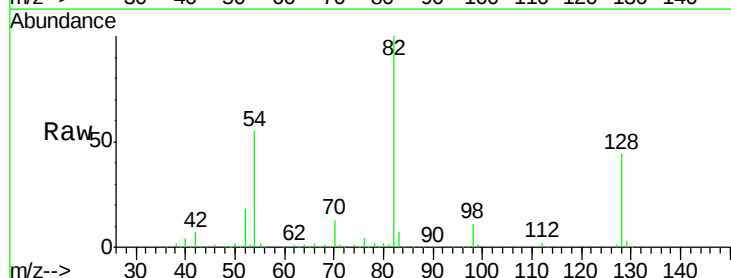
Instrument :
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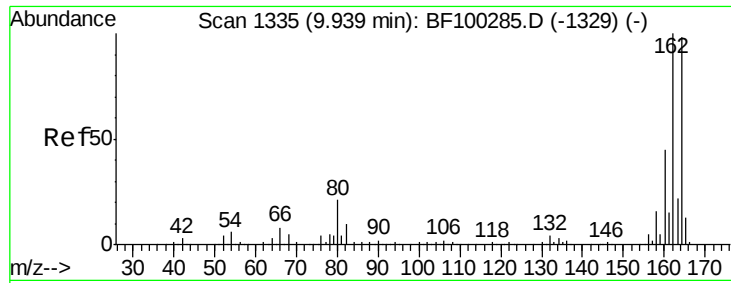
Tgt Ion: 82 Resp: 472503
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 55.0 41.4 62.2



#25
Isophorone
Concen: 24.70 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Tgt Ion: 82 Resp: 472152
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

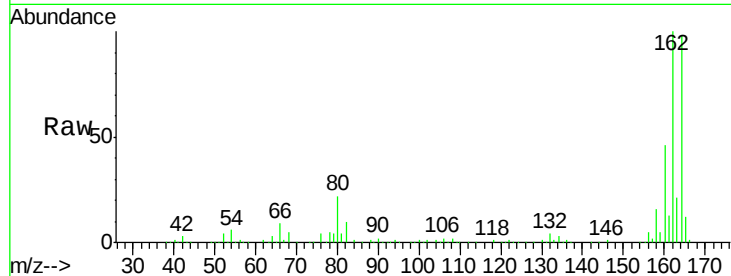




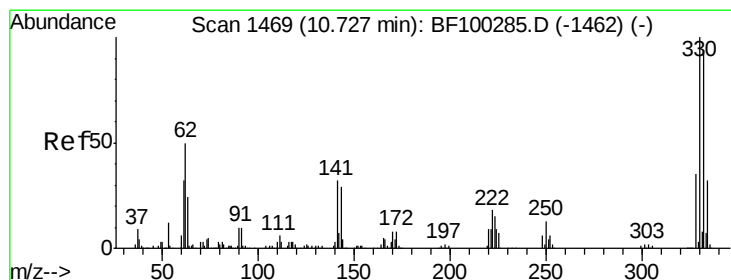
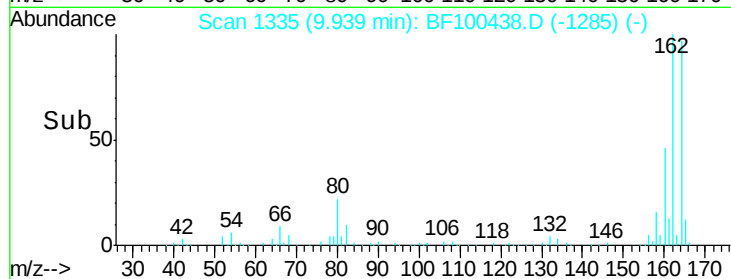
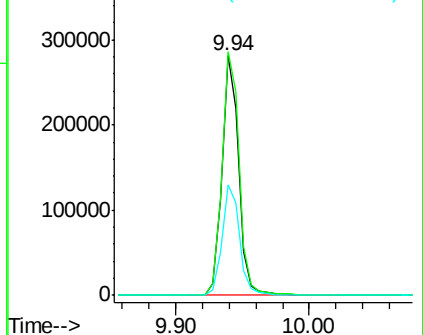
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 3091-4235

Tgt Ion:164 Resp: 249584
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 46.4 38.3 57.5

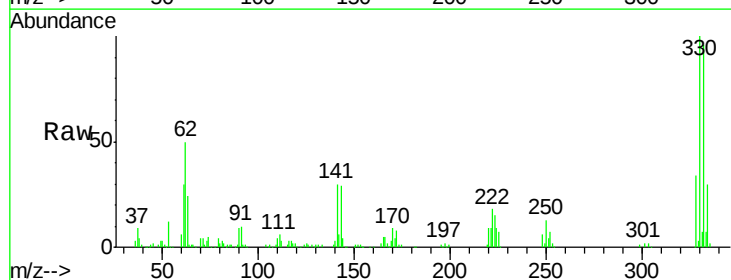


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

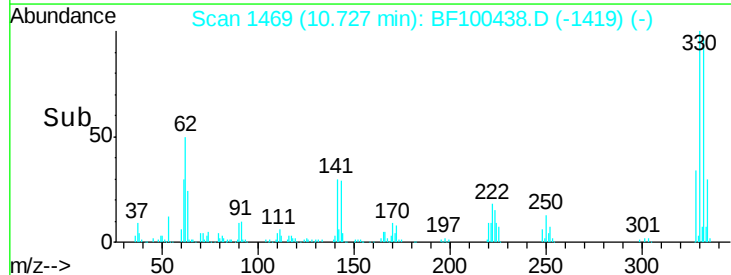
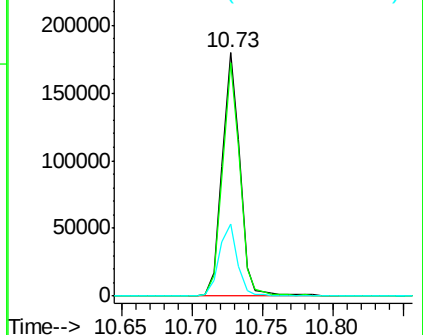


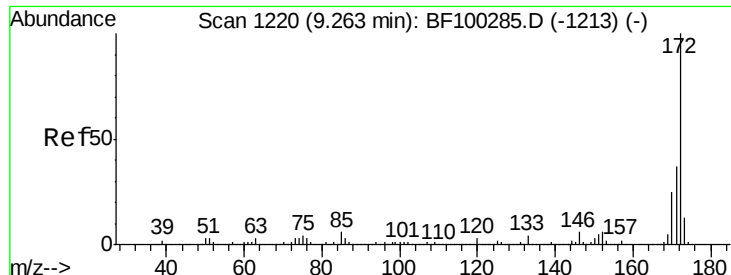
#41
 2,4,6-Tribromophenol
 Concen: 61.84 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

Tgt Ion:330 Resp: 157284
 Ion Ratio Lower Upper
 330 100
 332 95.1 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

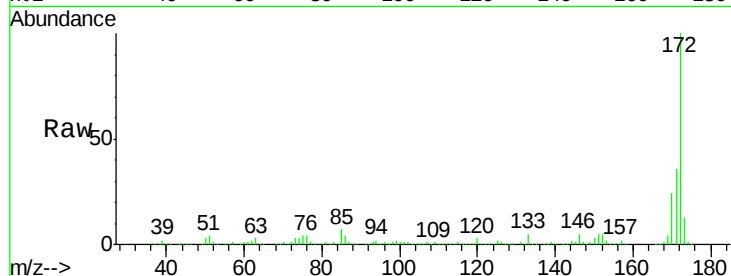




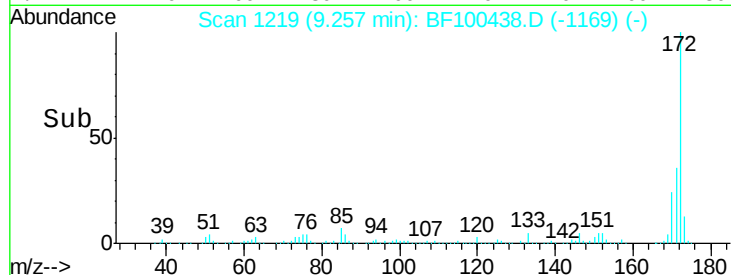
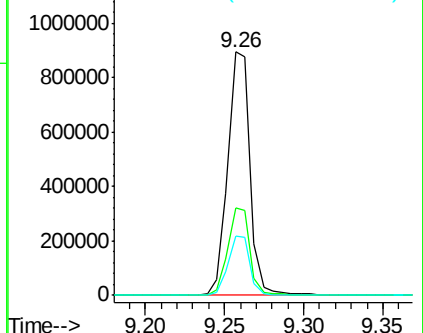
#44
2-Fluorobiphenyl
Concen: 53.39 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Instrument :
BNA_F
ClientSampleId :
3091-4235

Tgt Ion: 172 Resp: 875140
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.2 19.6 29.4

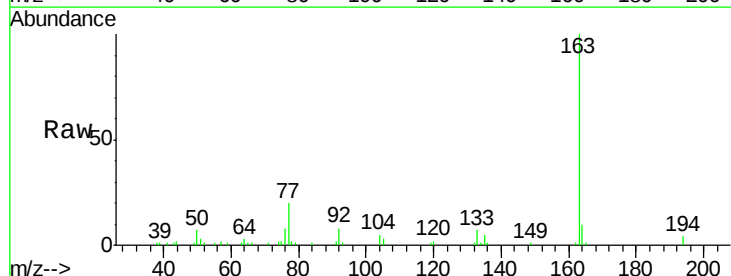


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

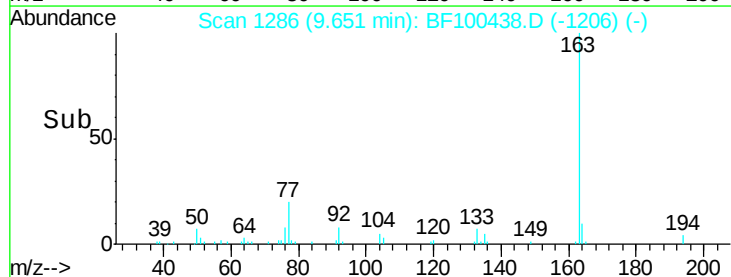
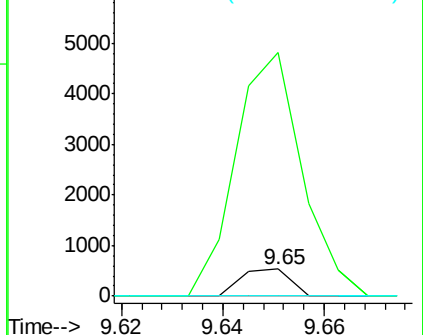


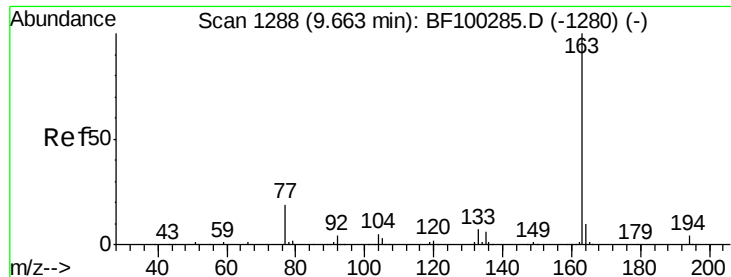
#47
2-Nitroaniline
Concen: 2.86 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.17 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Tgt Ion: 65 Resp: 360
Ion Ratio Lower Upper
65 100
92 914.0 55.8 83.6#
138 0.0 91.2 136.8#



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

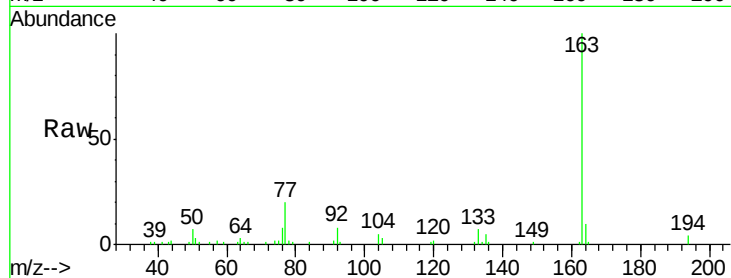




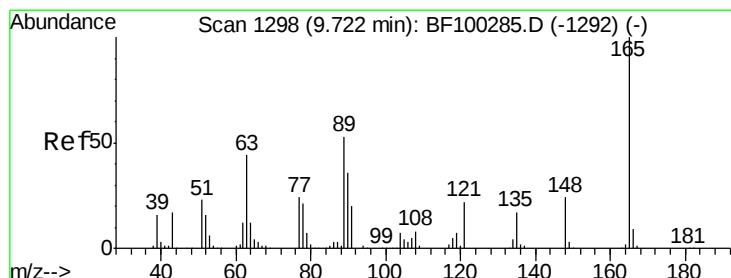
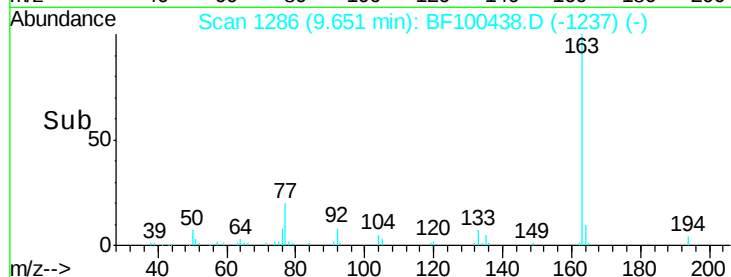
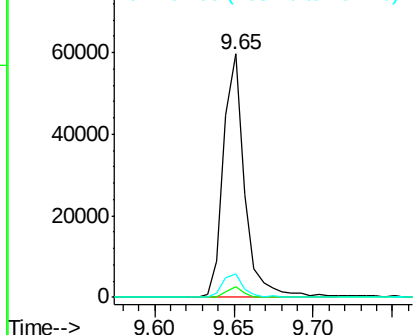
#49
Dimethylphthalate
Concen: 2.91 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Instrument :
BNA_F
ClientSampleId :
3091-4235

Tgt Ion:163 Resp: 55408
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.7 8.2 12.2

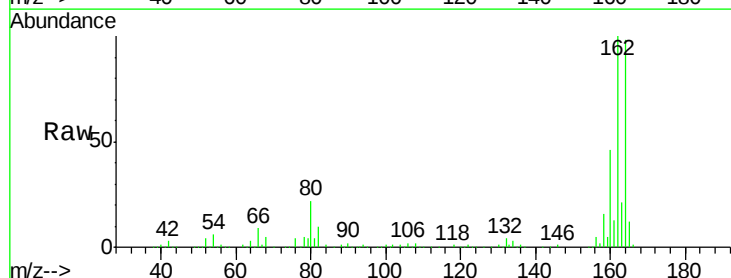


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

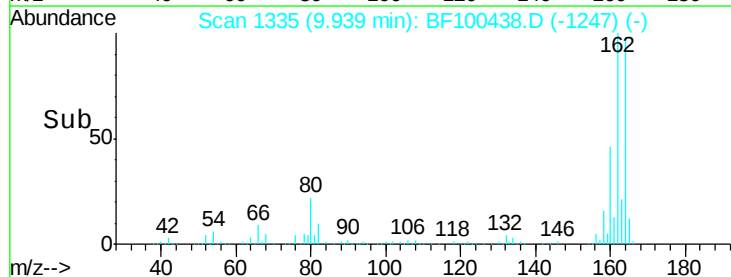
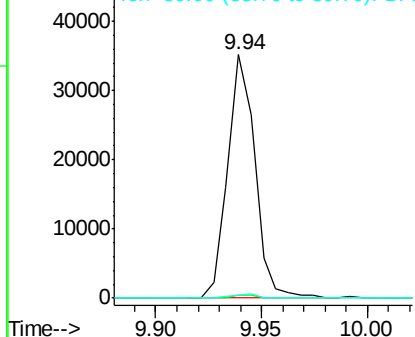


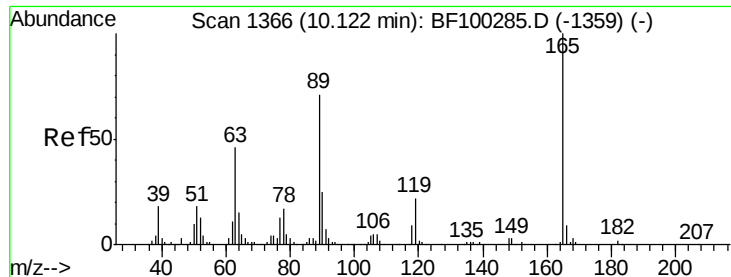
#50
2,6-Dinitrotoluene
Concen: 8.31 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Tgt Ion:165 Resp: 31340
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.5 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

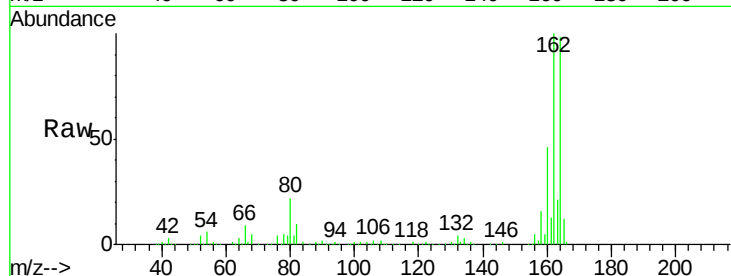




#56
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.19 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Instrument :
BNA_F
ClientSampleId :
3091-4235

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

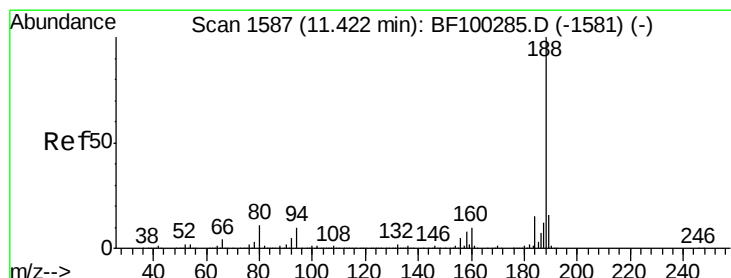
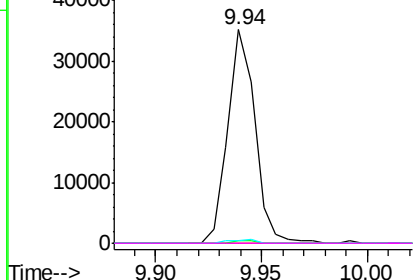
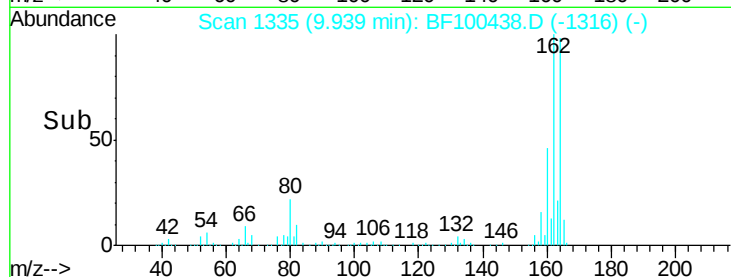


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

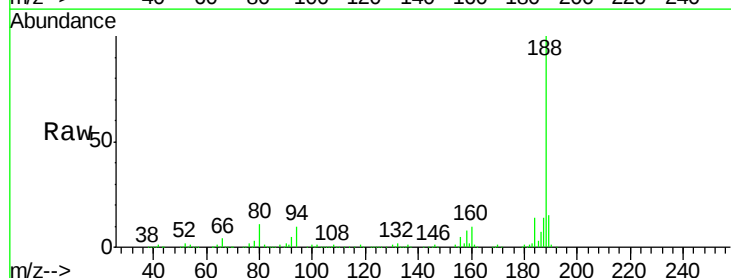
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

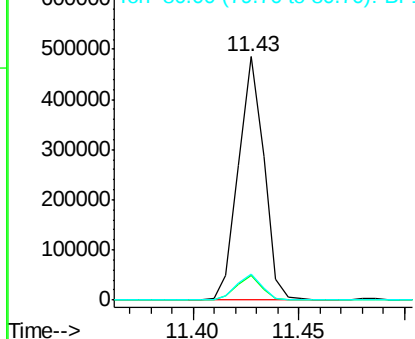
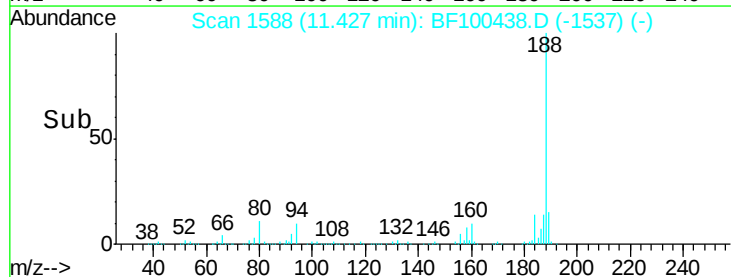
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.9	9.2	13.8



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

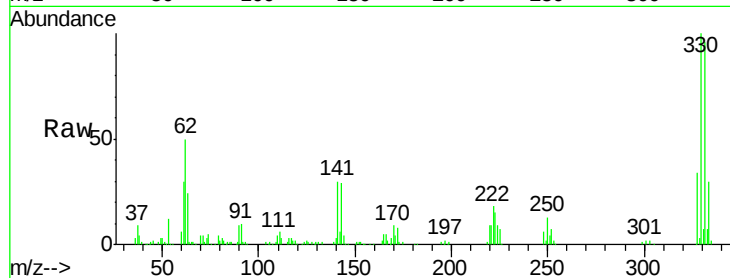




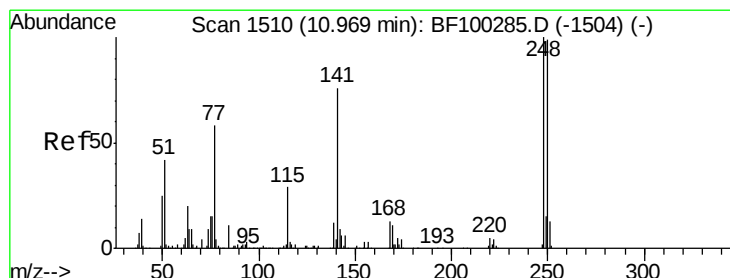
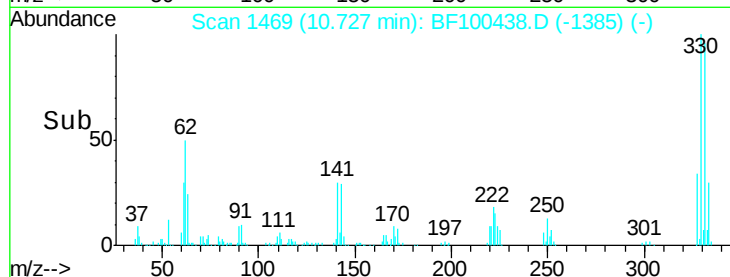
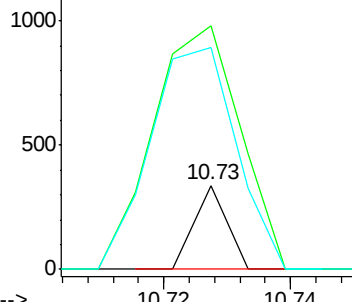
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.62 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 3091-4235

Tgt Ion:198 Resp: 120
 Ion Ratio Lower Upper
 198 100
 51 289.1 37.7 77.7#
 105 262.8 36.3 76.3#

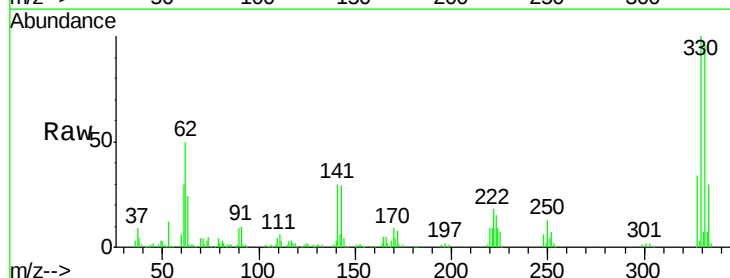


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

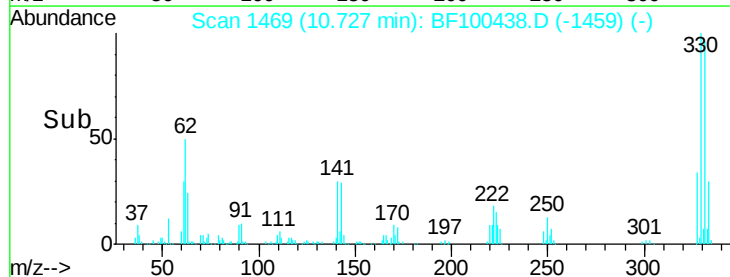
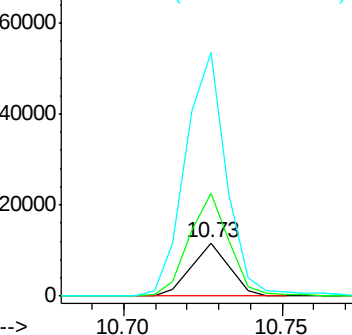


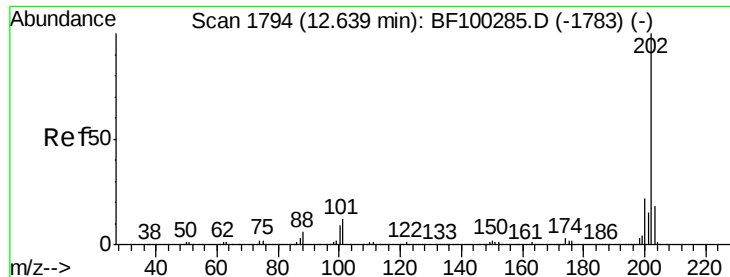
#66
 4-Bromophenyl-phenylether
 Concen: 2.26 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

Tgt Ion:248 Resp: 9781
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.9 115.3#
 141 458.1 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





#74

Fluoranthene

Concen: 2.28 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

Instrument :

BNA_F

ClientSampleId :

3091-4235

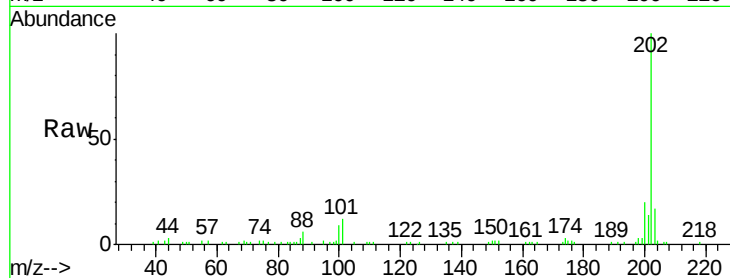
Tgt Ion:202 Resp: 51325

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

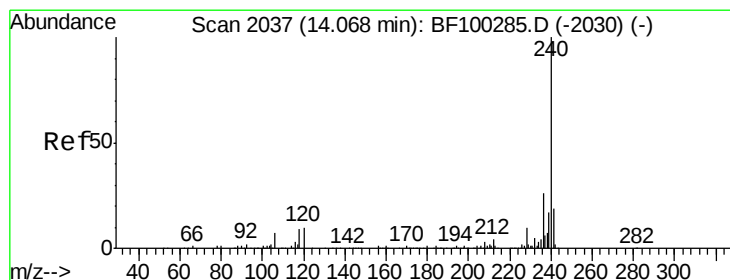
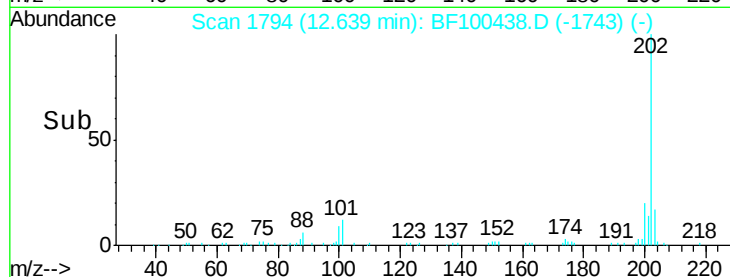
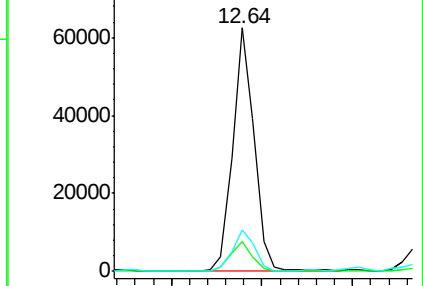
203 16.8 0.0 38.1



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: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

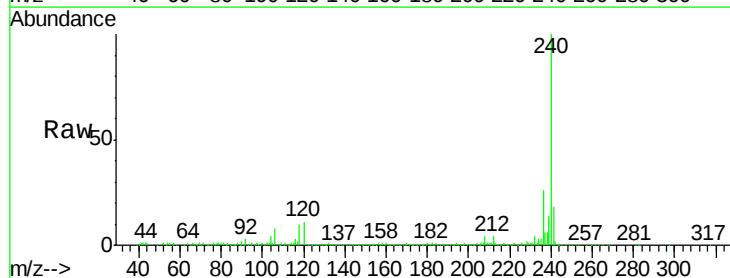
Tgt Ion:240 Resp: 334133

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

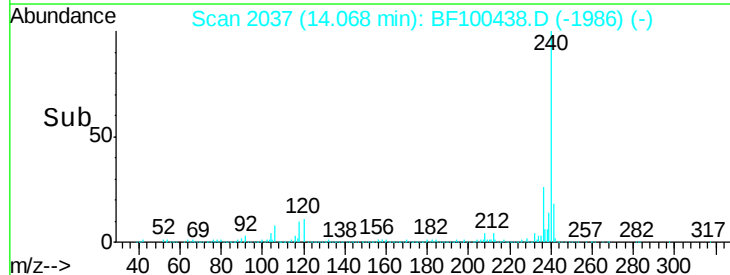
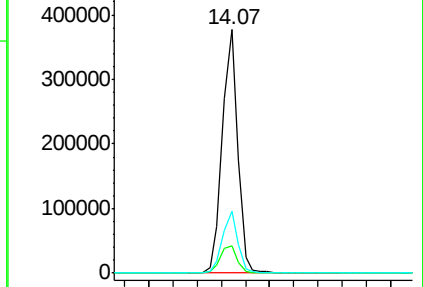
236 25.5 20.7 31.1

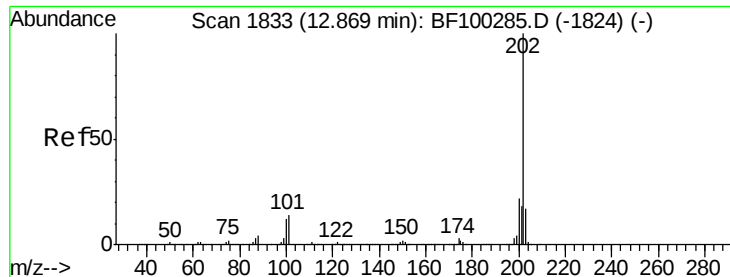


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

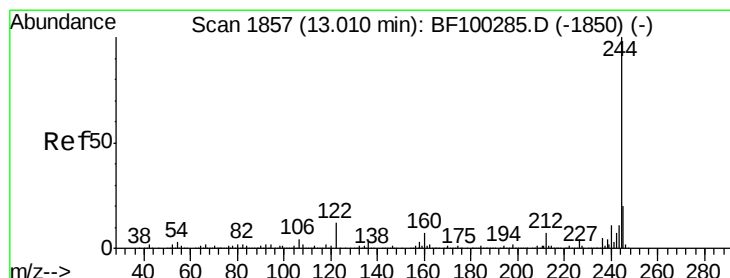
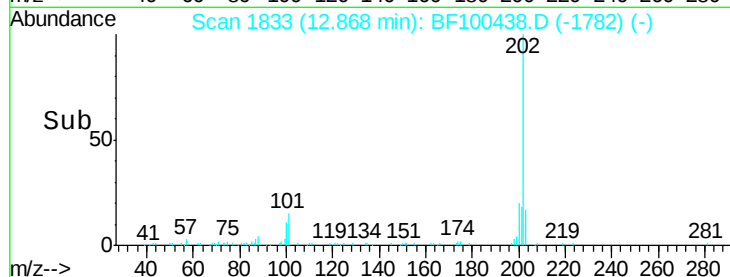
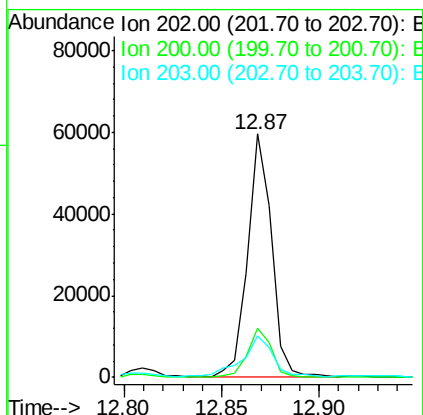
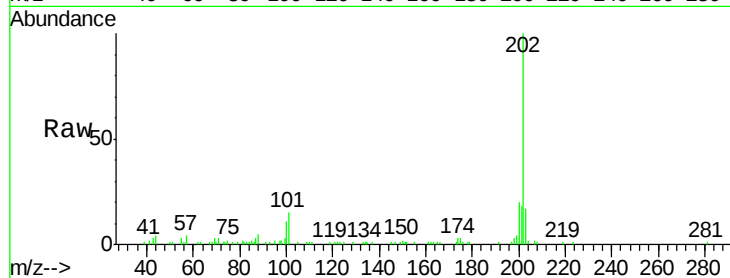




#77
 Pyrene
 Concen: 2.14 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

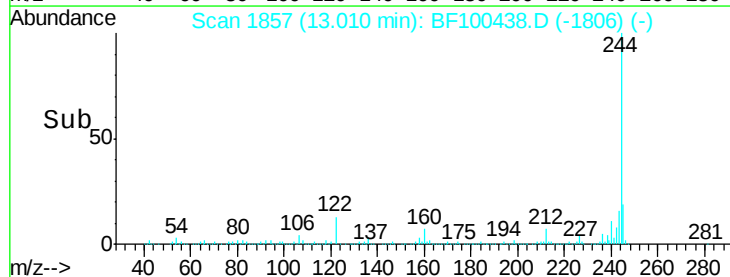
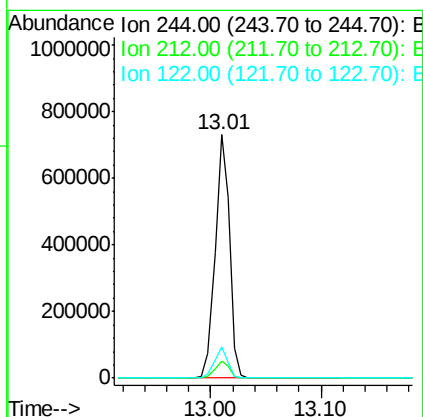
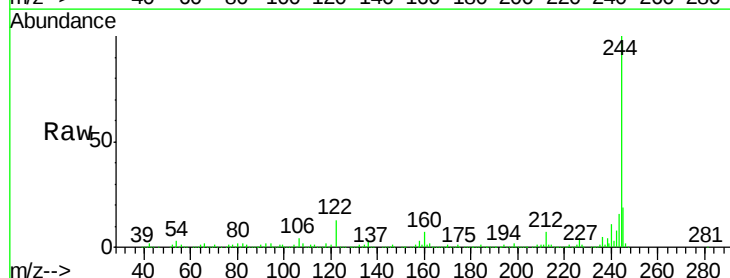
Instrument :
 BNA_F
 ClientSampleId :
 3091-4235

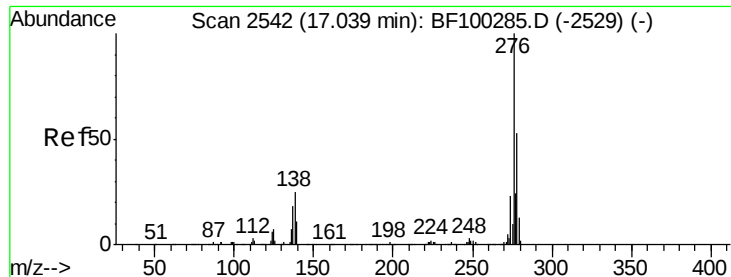
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 44.67 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: BF100438.D
 Acq: 11 Nov 2017 14:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4

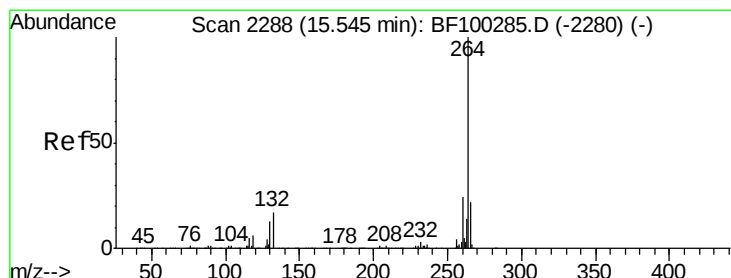
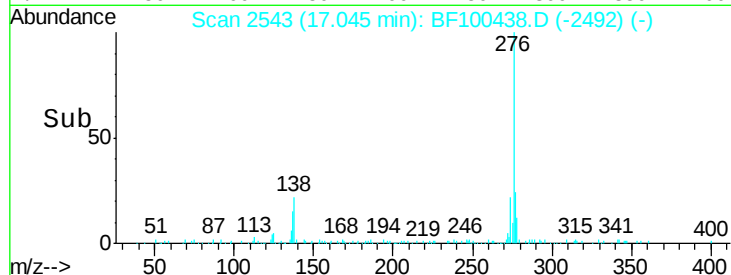
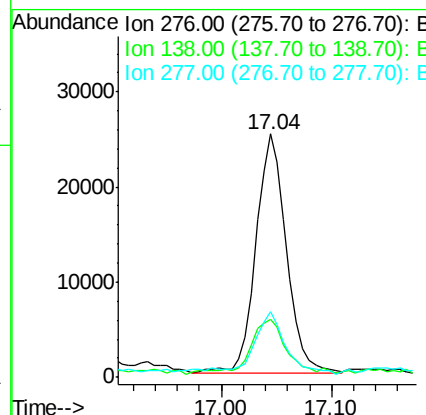
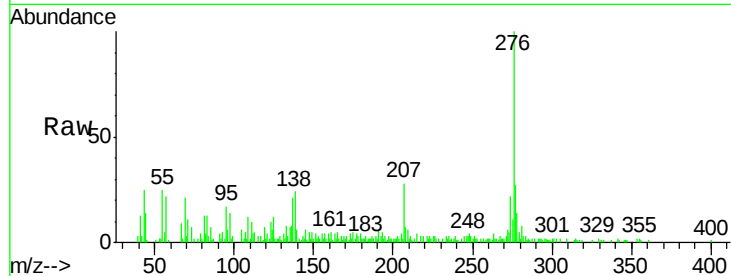




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.05 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

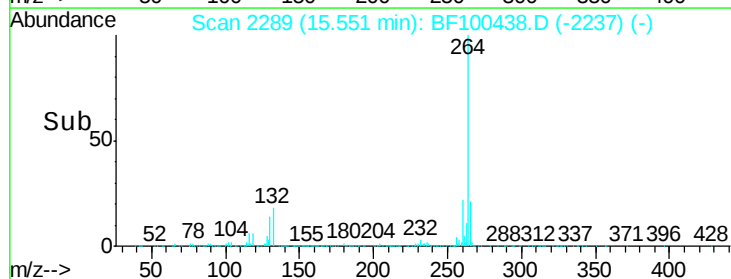
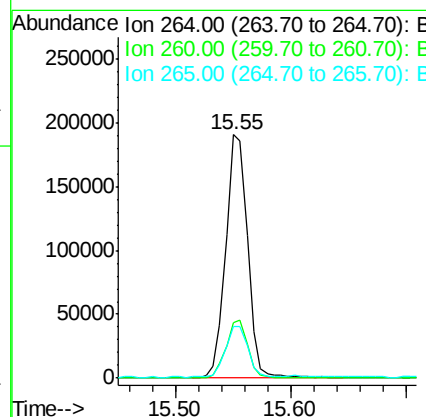
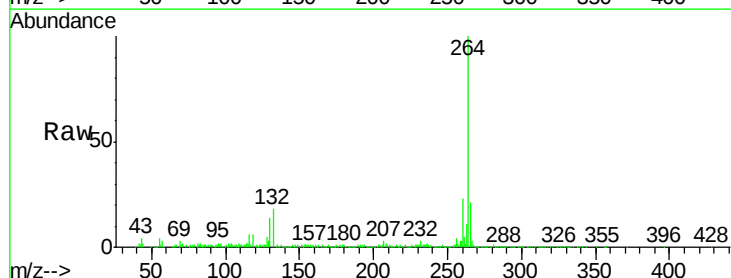
Instrument :
BNA_F
ClientSampleId :
3091-4235

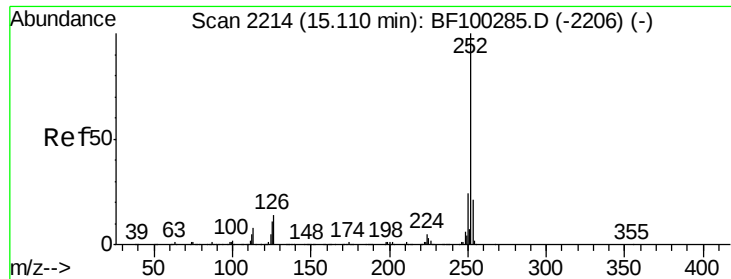
Tgt Ion:276 Resp: 48076
Ion Ratio Lower Upper
276 100
138 26.4 25.0 37.6
277 26.0 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Tgt Ion:264 Resp: 249880
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.4 17.5 26.3

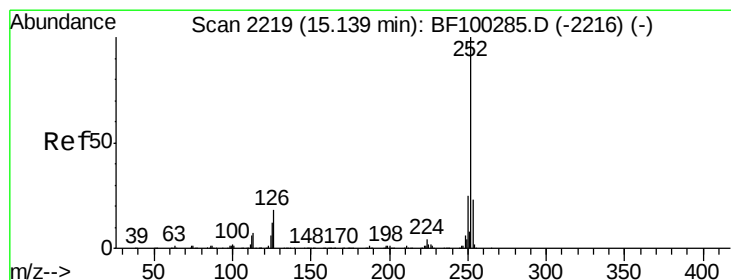
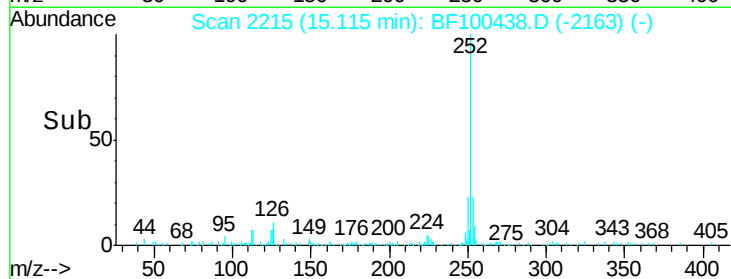
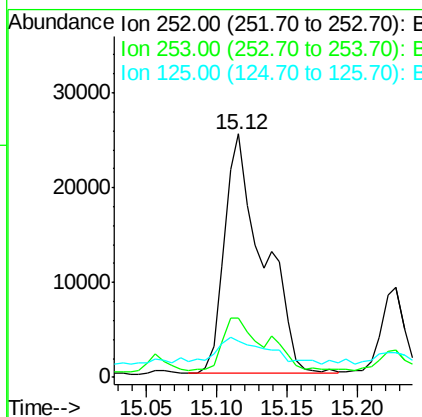
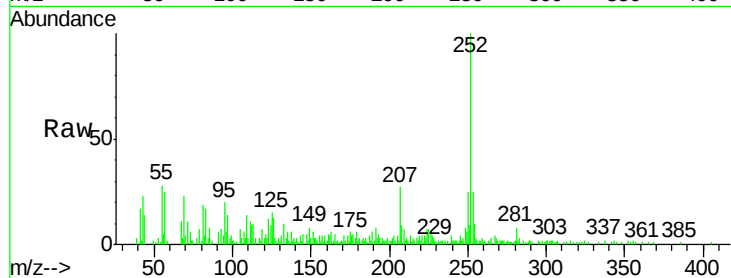




#87
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

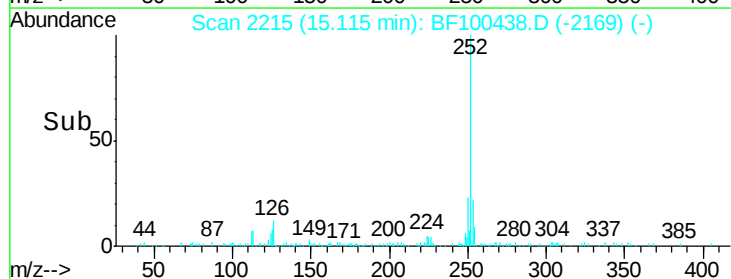
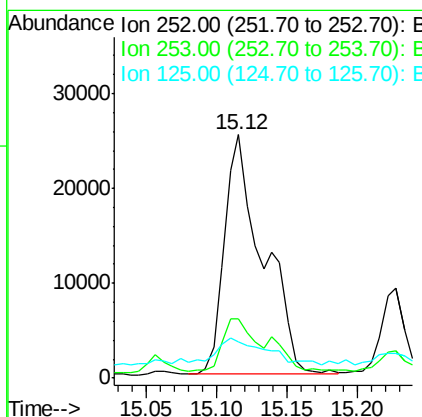
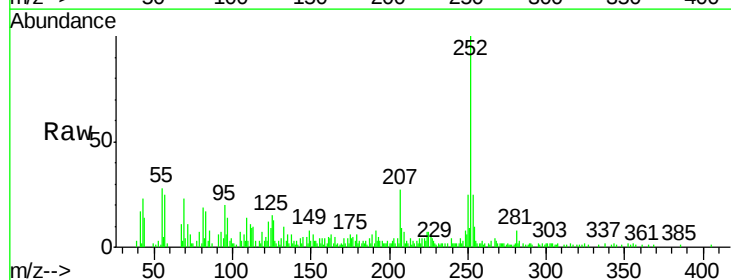
Instrument :
BNA_F
ClientSampleId :
3091-4235

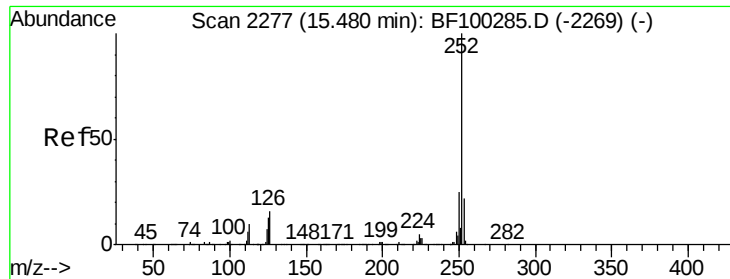
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	14.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.46 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF100438.D
Acq: 11 Nov 2017 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	14.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.12 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

Instrument :

BNA_F

ClientSampleId :

3091-4235

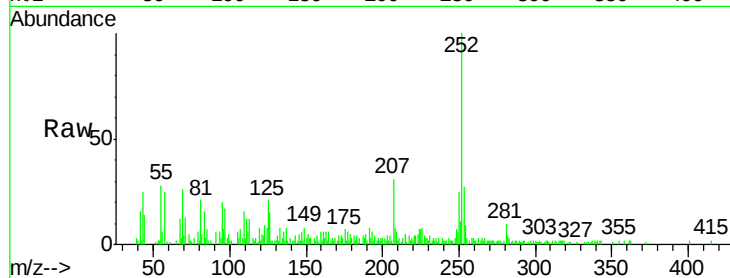
Tgt Ion:252 Resp: 27869

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 20.8 9.8 14.6#

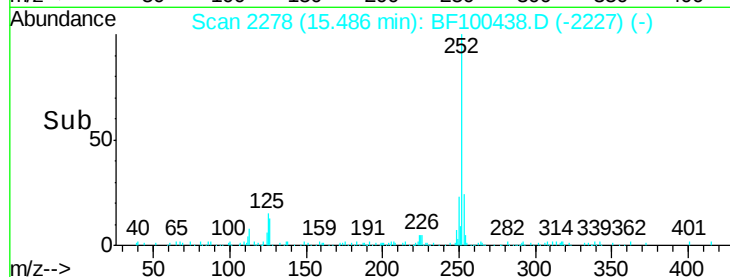


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



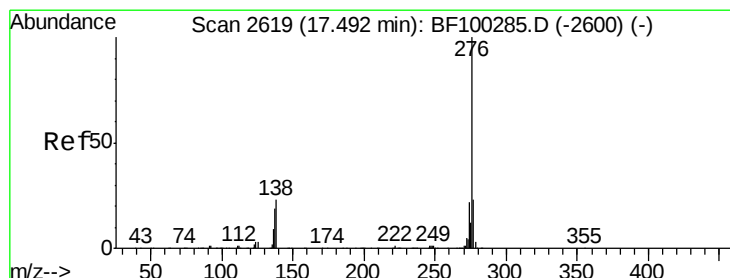
Abundance

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

Time-->



#91

Benzo(g,h,i)perylene

Concen: 9.58 ng

RT: 17.50 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BF100438.D

Acq: 11 Nov 2017 14:09

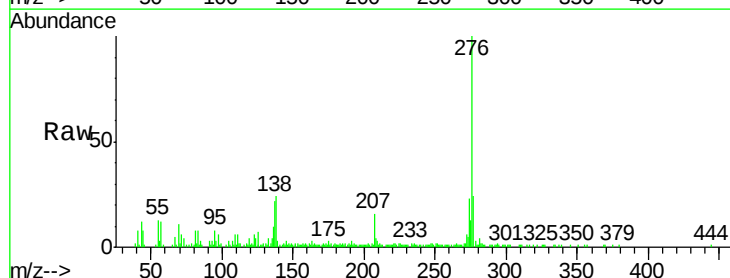
Tgt Ion:276 Resp: 100658

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 23.8 21.8 32.8

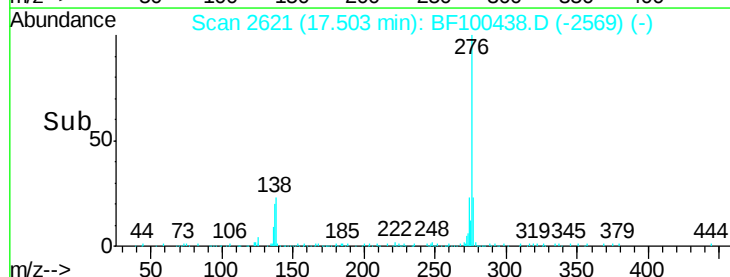


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



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

Time-->