

Data File : BF100440.D
Acq On : 11 Nov 2017 15:02
Operator : SJ/JU
Sample : I6407-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4632

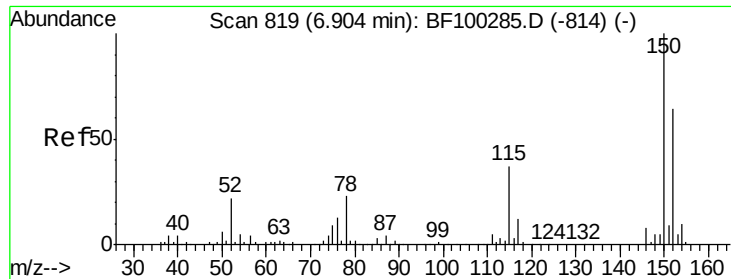
Quant Time: Nov 13 01:08:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	152049	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	537465	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	204062	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	352721	20.00	ng	0.00
75) Chrysene-d12	14.07	240	329708	20.00	ng	0.00
86) Perylene-d12	15.55	264	240697	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1010007	106.48	ng	0.01
7) Phenol-d6	6.53	99	1200978	102.68	ng	0.00
23) Nitrobenzene-d5	7.47	82	728736	89.64	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	220955	106.26	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1153758	86.09	ng	0.00
78) Terphenyl-d14	13.02	244	966196	67.33	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.67	77	21162	2.53	ng	84
10) Phenol	6.54	94	59485	4.84	ng	86
19) n-Nitroso-di-n-propylamine	7.47	70	96493	11.90	ng	# 80
25) Isophorone	7.47	82	725611	42.47	ng	# 64
47) 2-Nitroaniline	9.65	65	588	2.93	ng	# 1
49) Dimethylphthalate	9.65	163	70207	4.51	ng	99
50) 2,6-Dinitrotoluene	9.94	165	26204	8.50	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	26204	6.74	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	464	8.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	13728	3.63	ng	# 1
70) Phenanthrene	11.45	178	97227	5.24	ng	99
74) Fluoranthene	12.64	202	202590	10.29	ng	97
77) Pyrene	12.87	202	182738	7.78	ng	98
80) Benzo(a)anthracene	14.06	228	100219	5.05	ng	97
82) Chrysene	14.09	228	79169	4.12	ng	96
87) Benzo(b)fluoranthene	15.12	252	96825	6.79	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	96825	7.19	ng	97
89) Benzo(a)pyrene	15.49	252	47475	3.76	ng	# 95
91) Benzo(g,h,i)perylene	17.50	276	25301	2.50	ng	98

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



#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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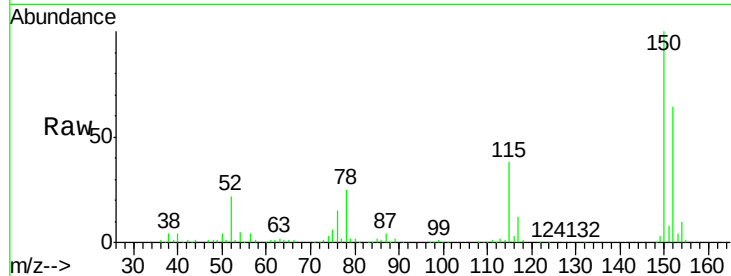
Tgt Ion:152 Resp: 152049

Ion Ratio Lower Upper

152 100

150 155.4 124.6 186.8

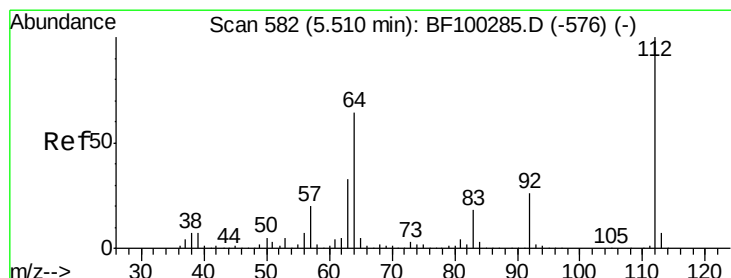
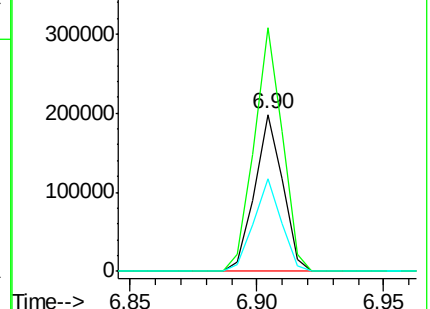
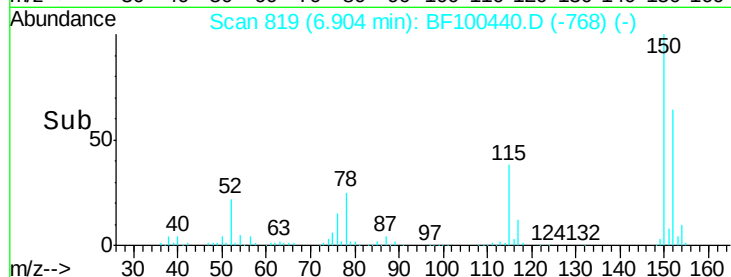
115 59.0 50.1 75.1



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: 106.48 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

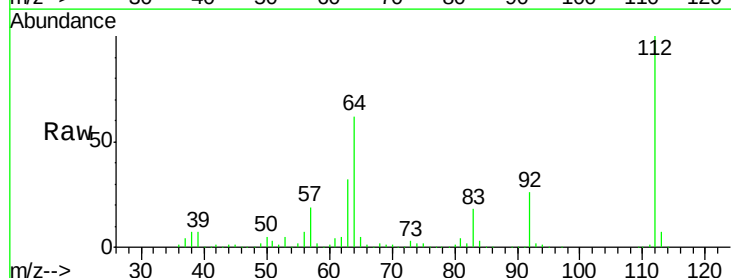
Tgt Ion:112 Resp: 1010007

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

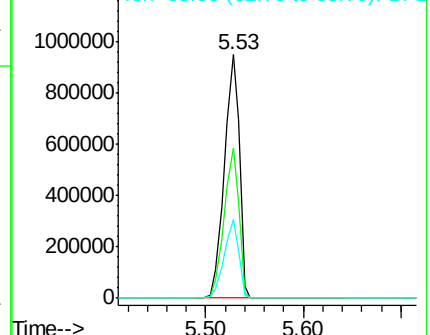
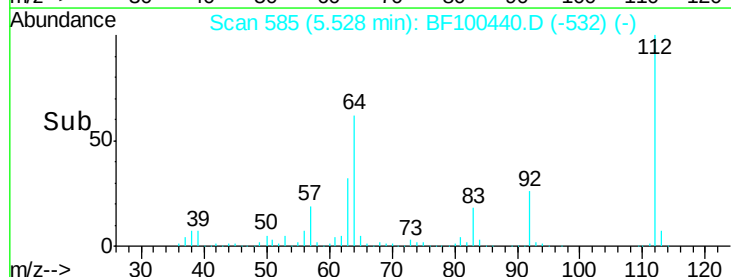
63 32.2 23.7 35.5

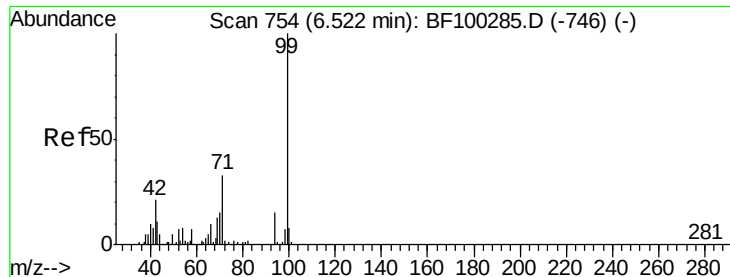


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.68 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampled :

4632

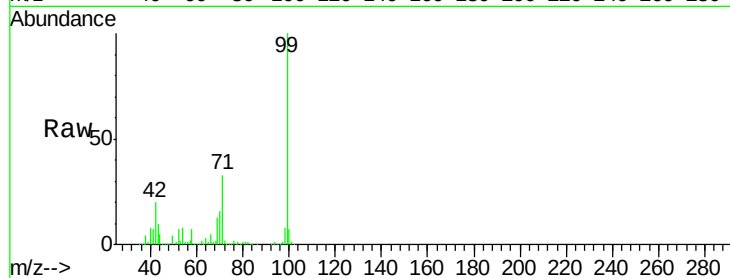
Tgt Ion: 99 Resp: 1200978

Ion Ratio Lower Upper

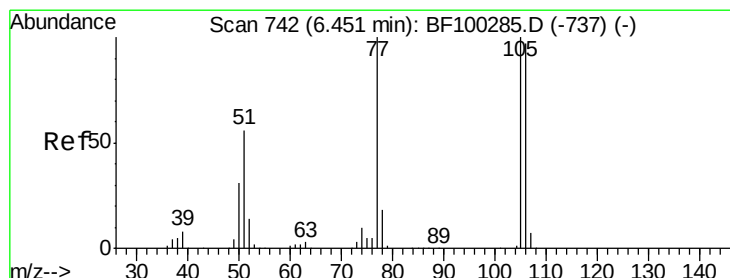
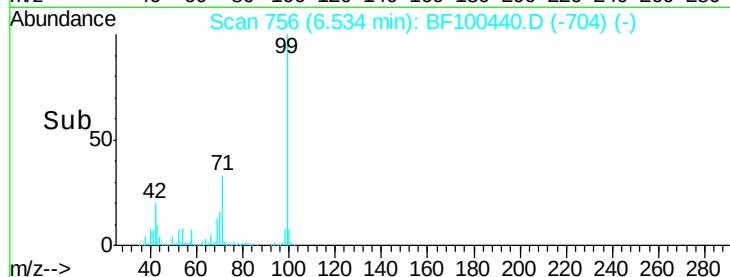
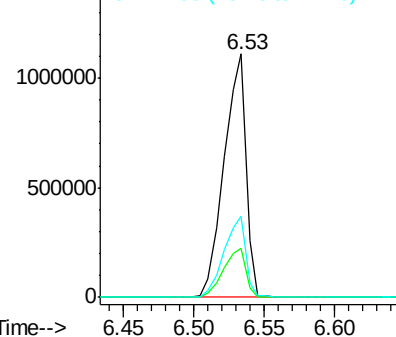
99 100

42 20.2 14.5 21.7

71 33.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.53 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

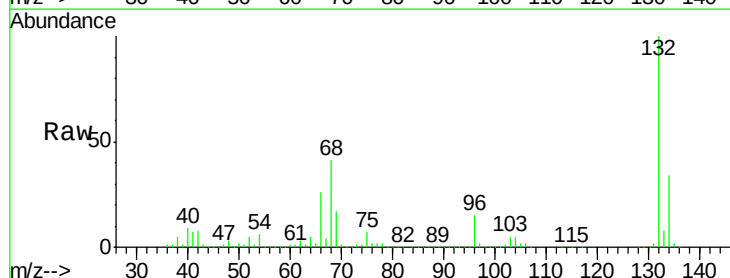
Tgt Ion: 77 Resp: 21162

Ion Ratio Lower Upper

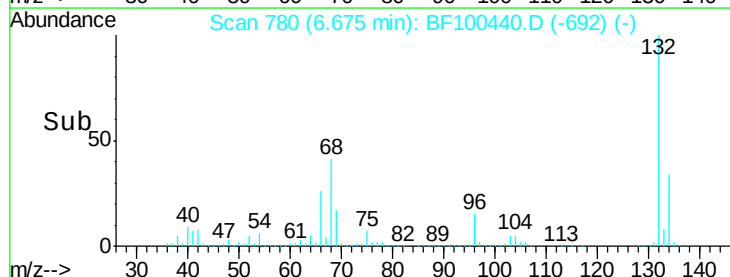
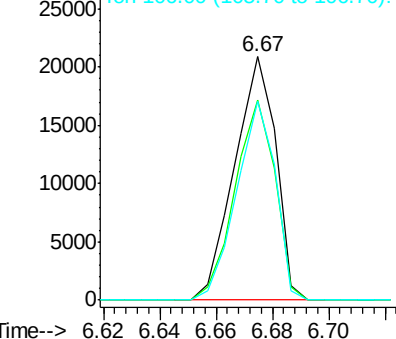
77 100

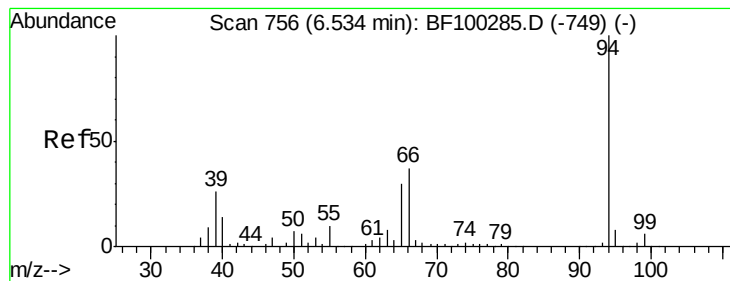
105 82.4 81.1 121.1

106 81.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.84 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

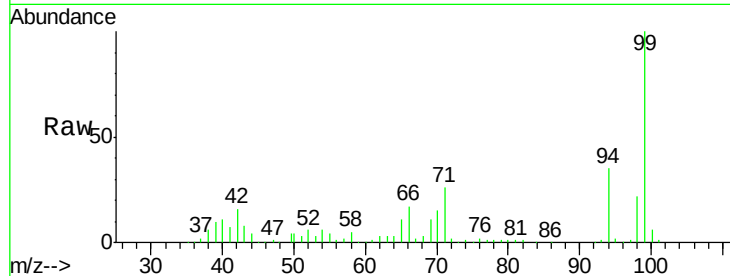
Tgt Ion: 94 Resp: 59485

Ion Ratio Lower Upper

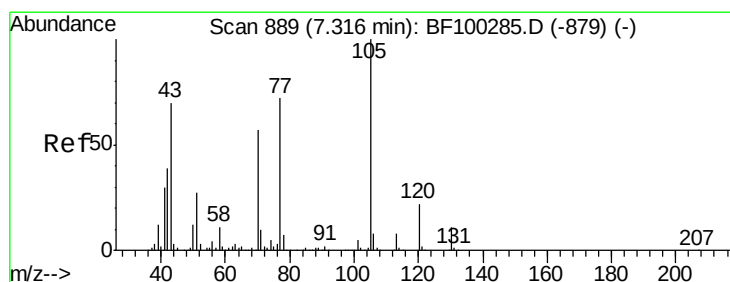
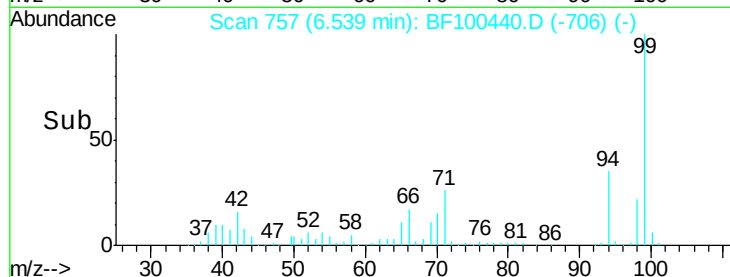
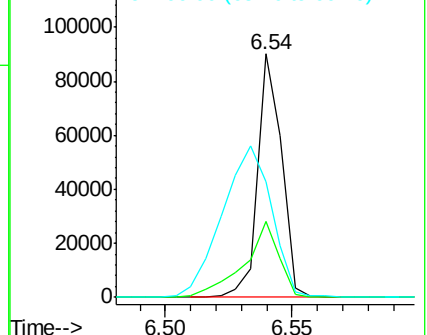
94 100

65 31.2 7.9 47.9

66 47.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.90 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Tgt Ion: 70 Resp: 96493

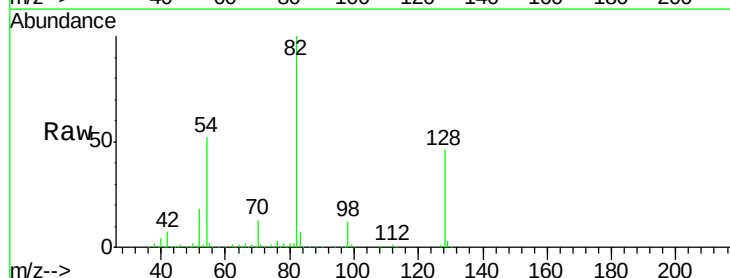
Ion Ratio Lower Upper

70 100

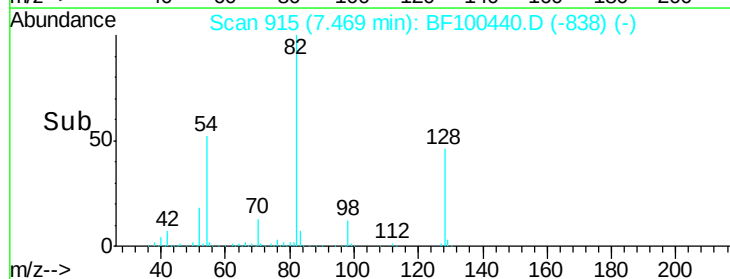
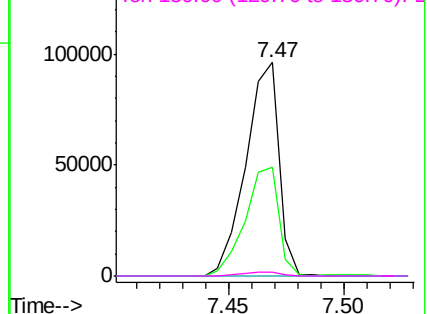
42 50.7 47.5 71.3

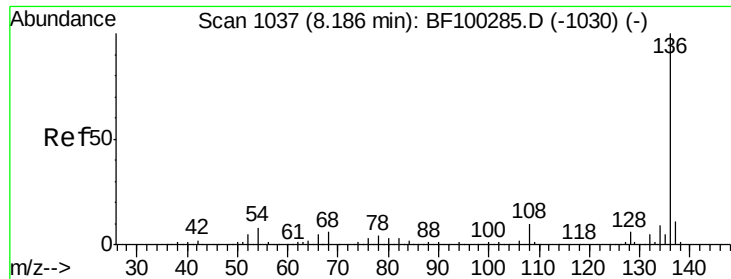
101 0.0 7.4 11.2#

130 1.9 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

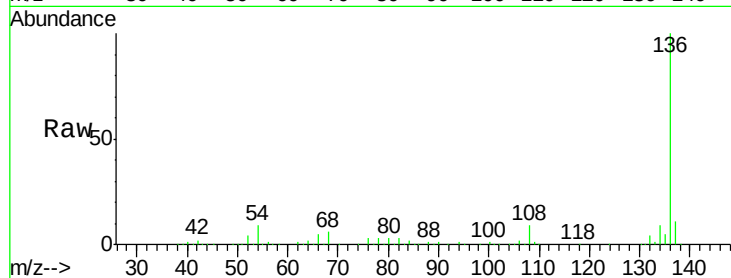




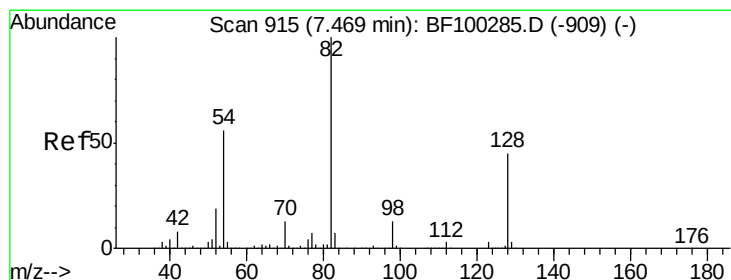
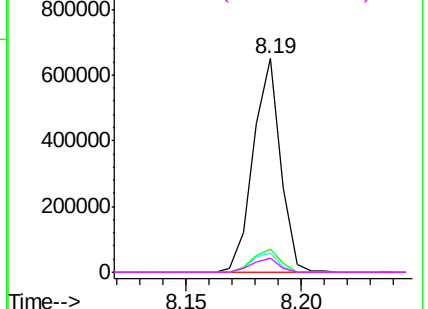
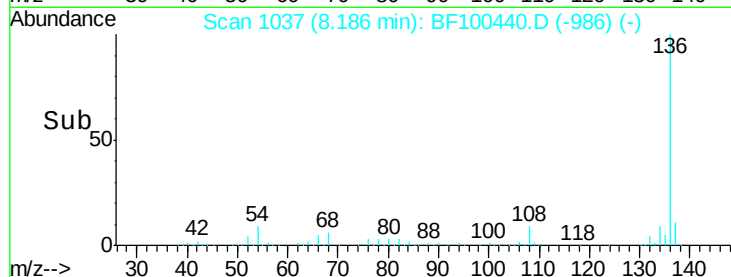
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

Instrument :
BNA_F
ClientSampled :
4632

Tgt Ion:	136	Resp:	537465
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4

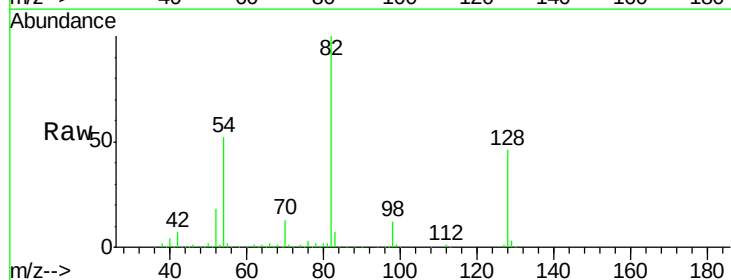


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

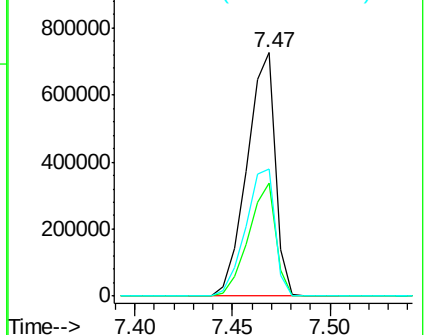
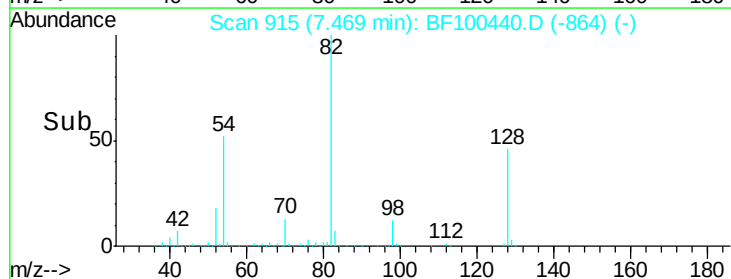


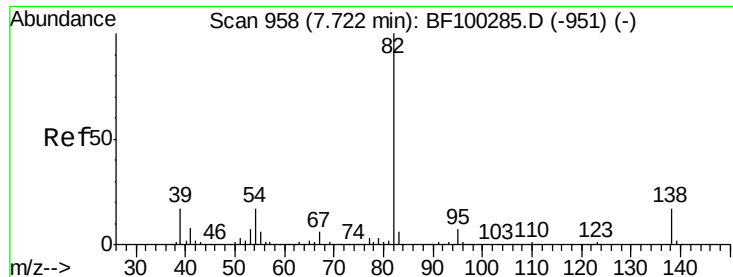
#23
Nitrobenzene-d5
Concen: 89.64 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

Tgt Ion:	82	Resp:	728736
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	52.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

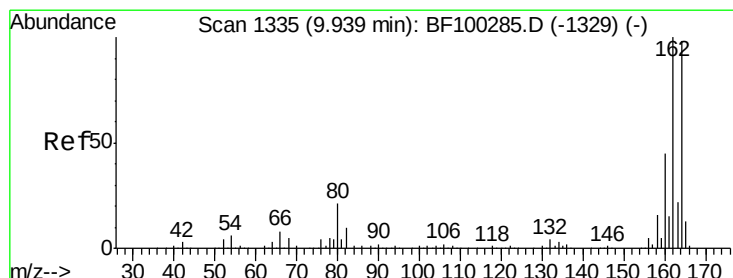
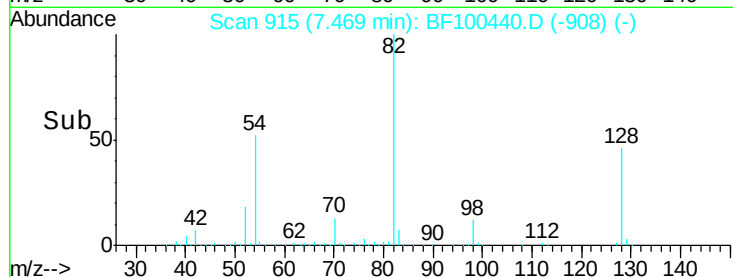
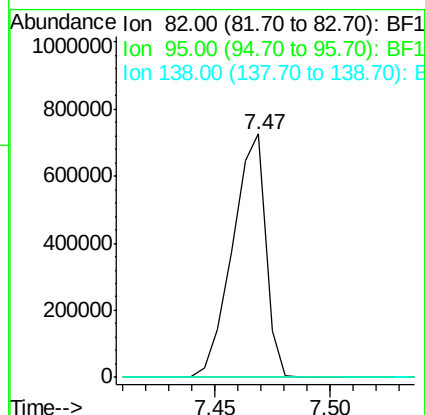
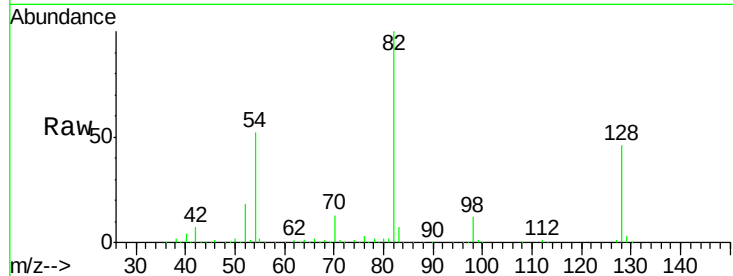




#25
Isophorone
Concen: 42.47 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.26 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

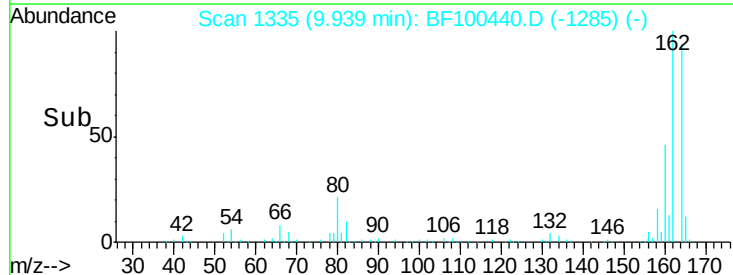
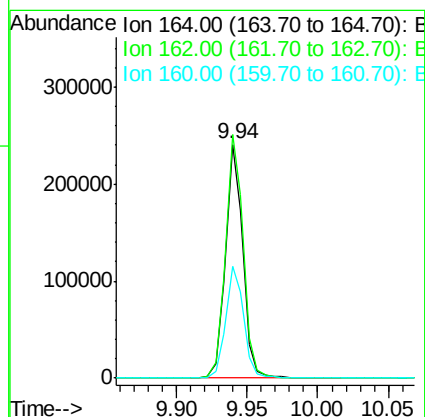
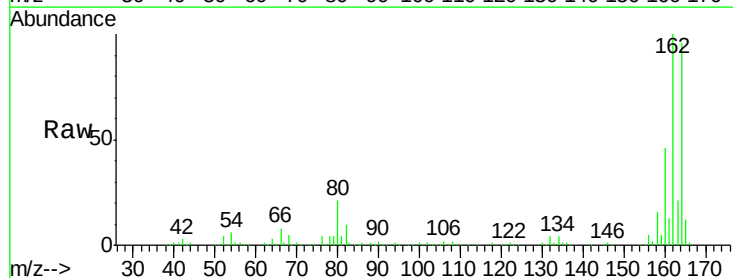
Instrument :
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4632

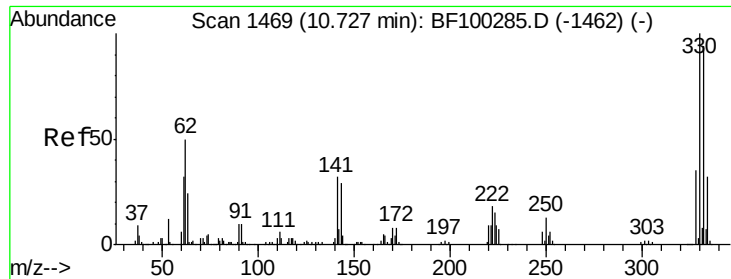
Tgt Ion: 82 Resp: 725611
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

Tgt Ion: 164 Resp: 204062
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 47.7 38.3 57.5

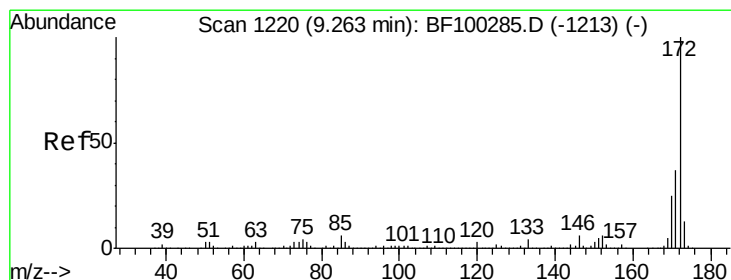
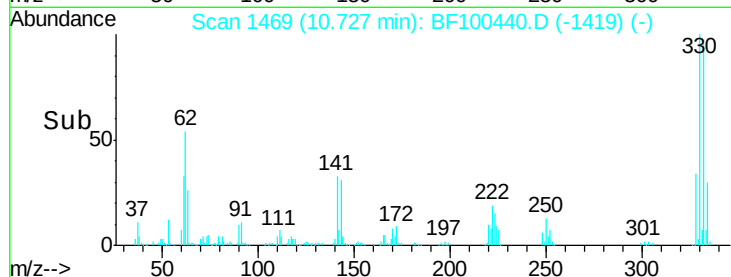
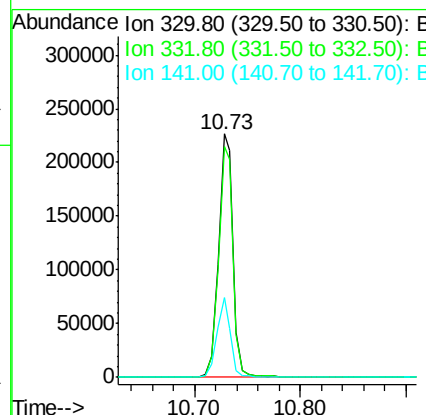
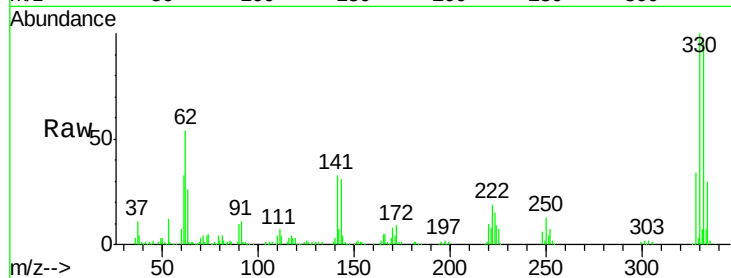




#41
 2,4,6-Tribromophenol
 Concen: 106.26 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

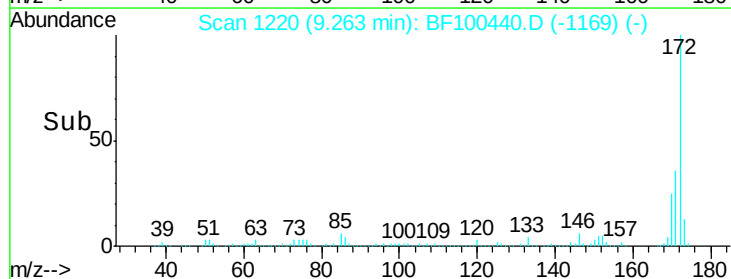
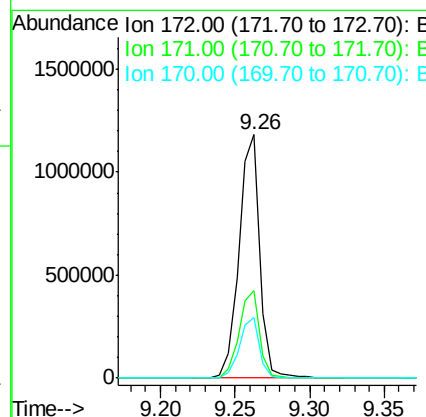
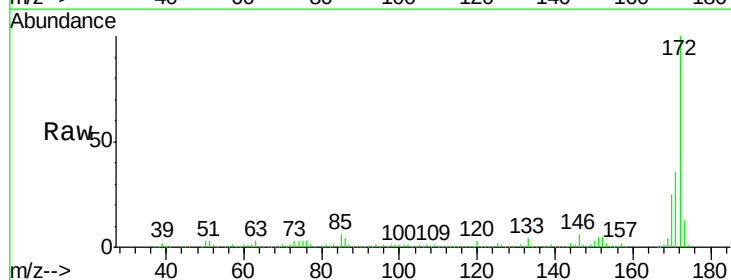
Instrument :
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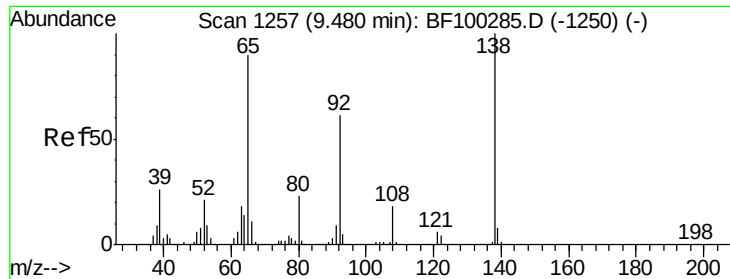
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	30.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 86.09 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.8	19.6	29.4





#47

2-Nitroaniline

Concen: 2.93 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.16 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

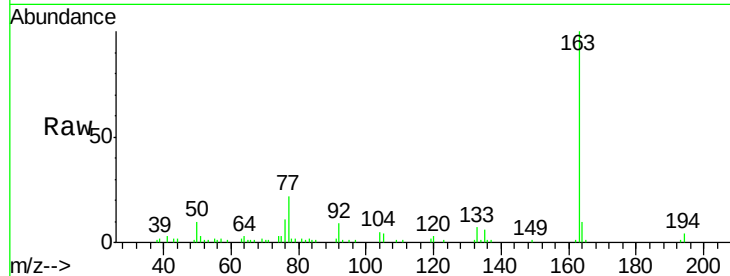
Tgt Ion: 65 Resp: 588

Ion Ratio Lower Upper

65 100

92 618.8 55.8 83.6#

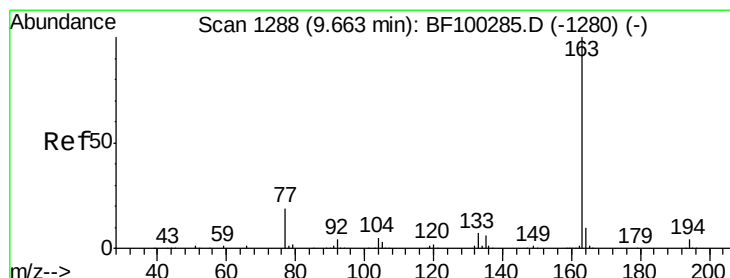
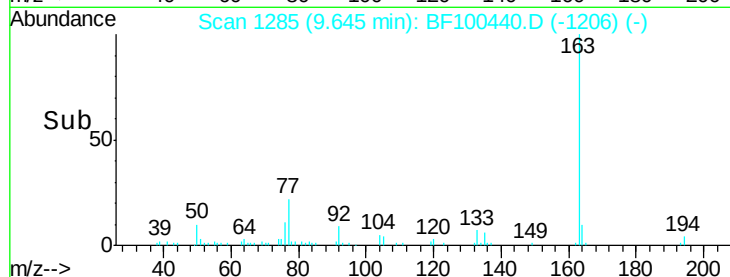
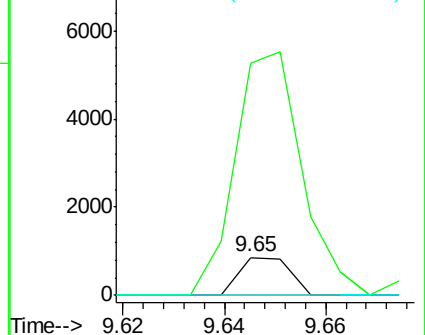
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 4.51 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

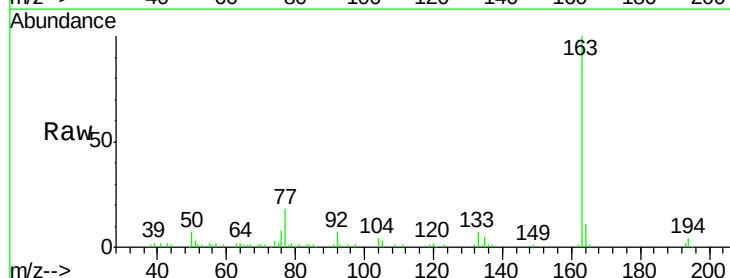
Tgt Ion: 163 Resp: 70207

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

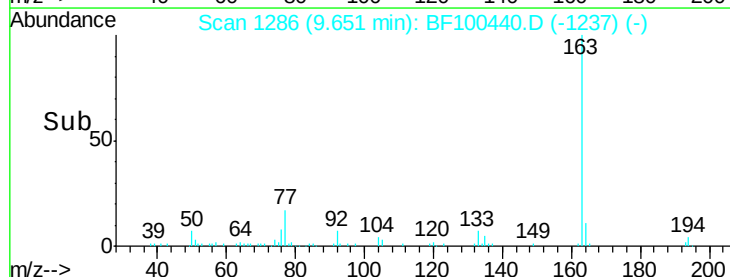
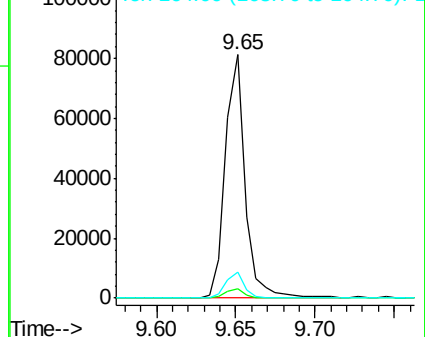
164 10.6 8.2 12.2

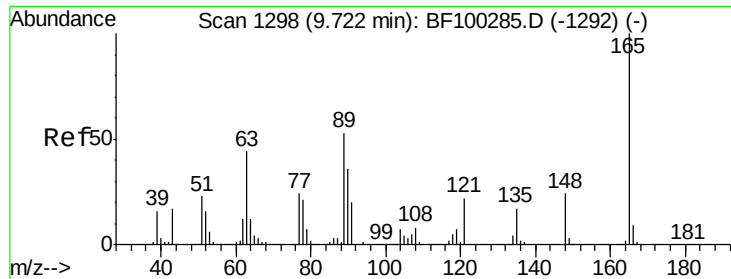


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

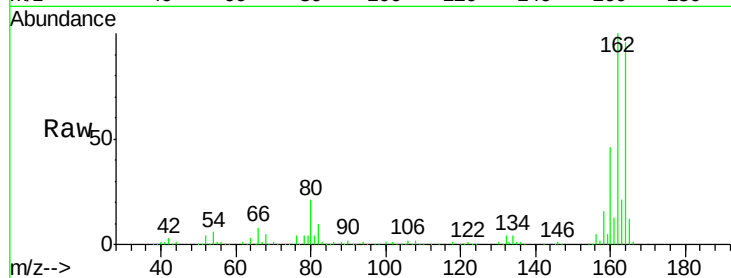




#50
 2,6-Dinitrotoluene
 Concen: 8.50 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 4632

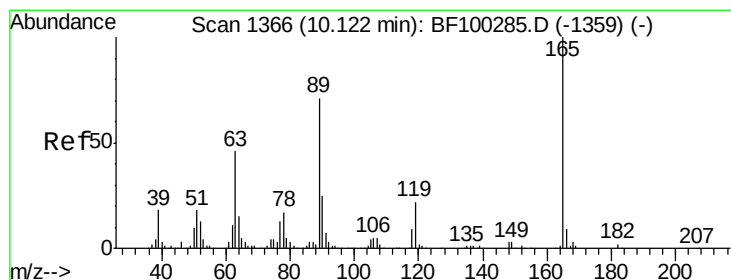
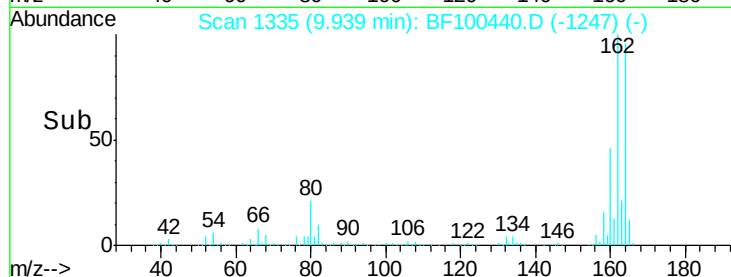
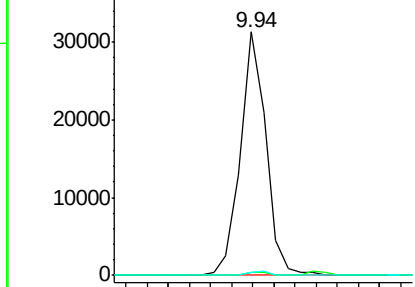
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.1	44.0	66.0#



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: 6.74 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

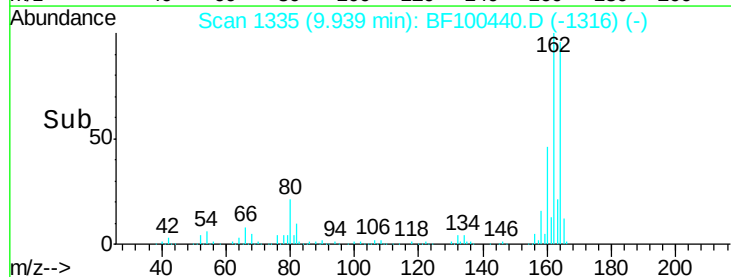
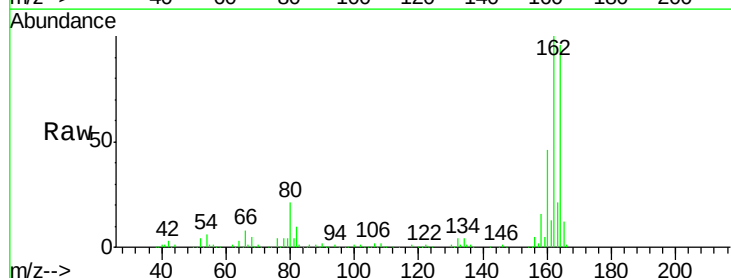
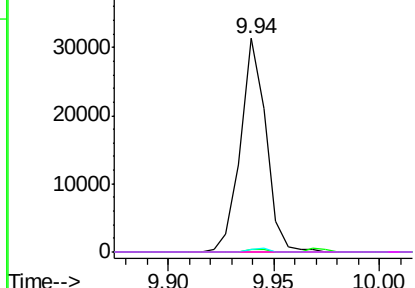
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

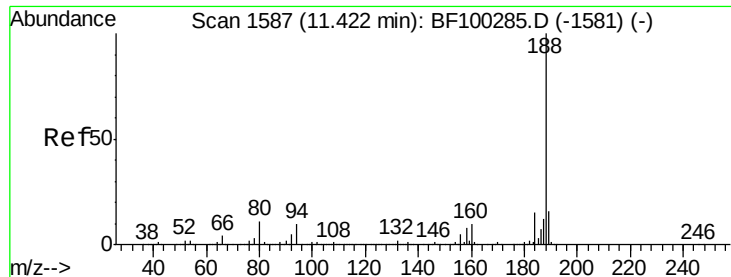
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

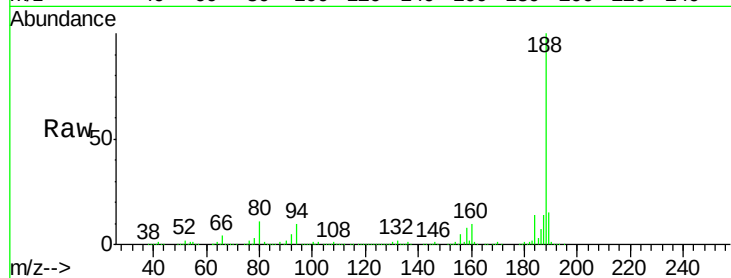
Tgt Ion:188 Resp: 352721

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

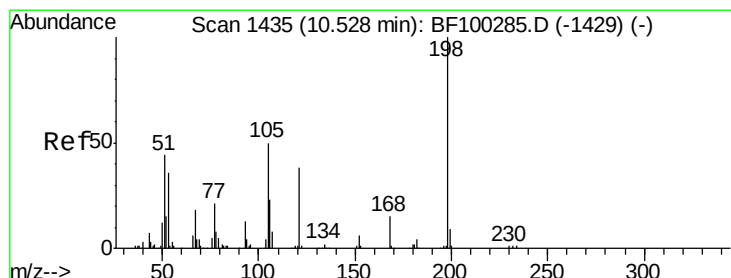
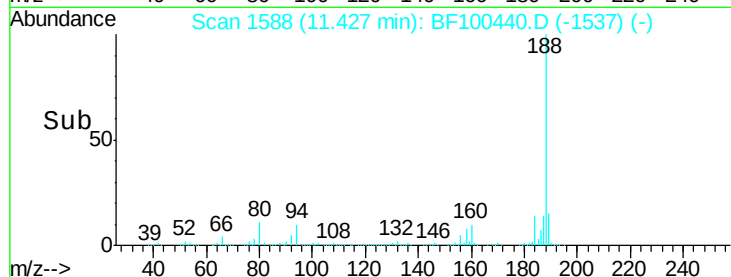
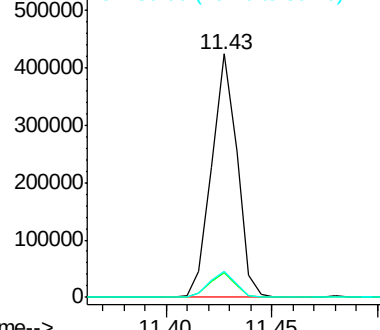
80 10.6 9.2 13.8



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: 8.78 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

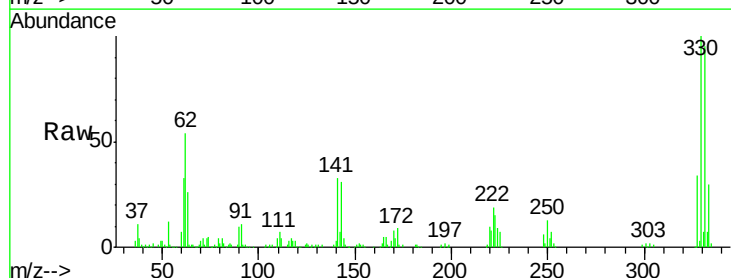
Tgt Ion:198 Resp: 464

Ion Ratio Lower Upper

198 100

51 277.3 37.7 77.7#

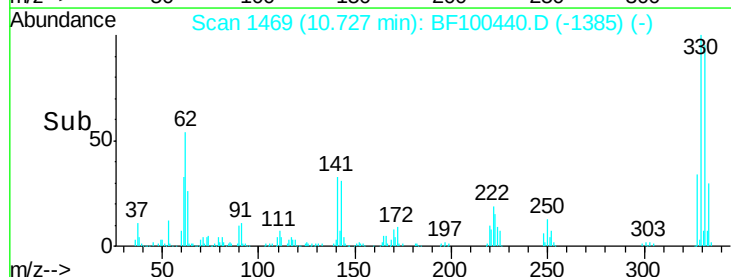
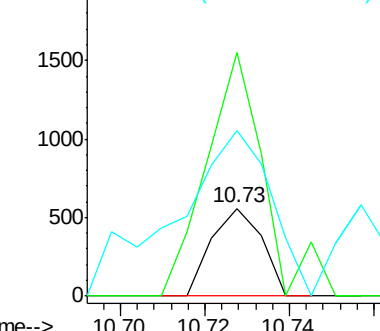
105 188.6 36.3 76.3#

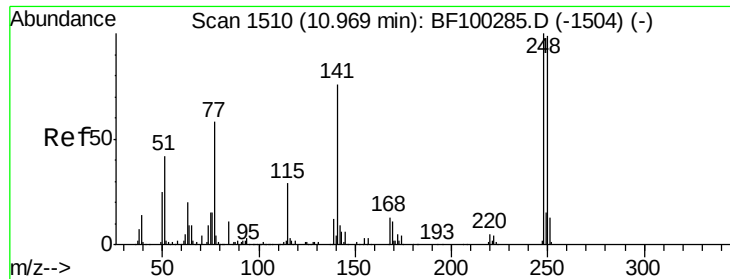


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

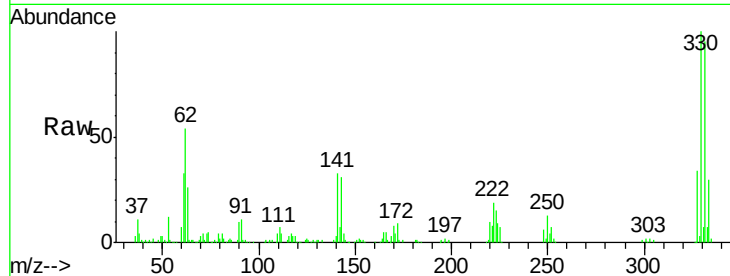




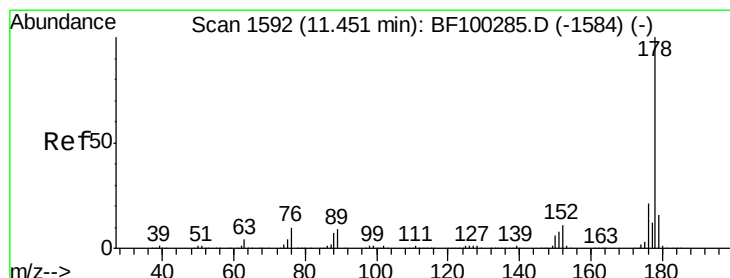
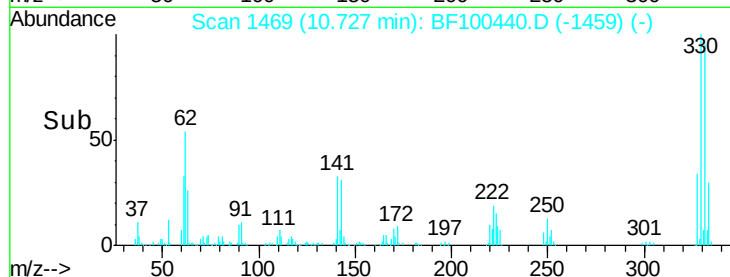
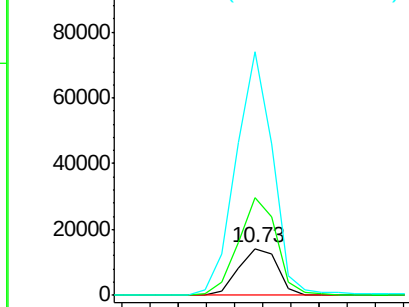
#66
 4-Bromophenyl-phenylether
 Concen: 3.63 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 4632

Tgt Ion: 248 Resp: 13728
 Ion Ratio Lower Upper
 248 100
 250 208.4 76.9 115.3#
 141 516.7 74.4 111.6#

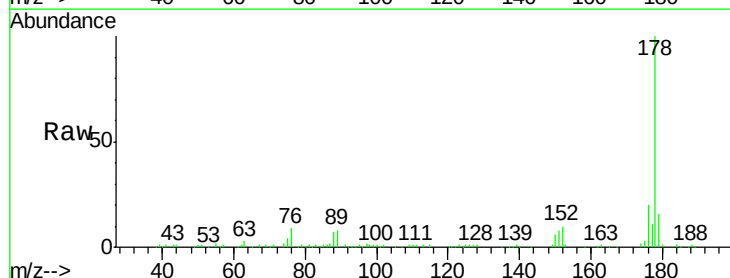


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

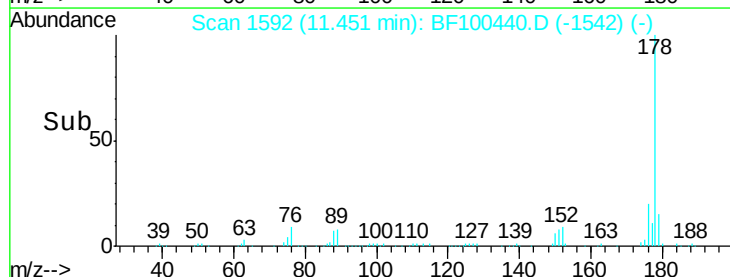
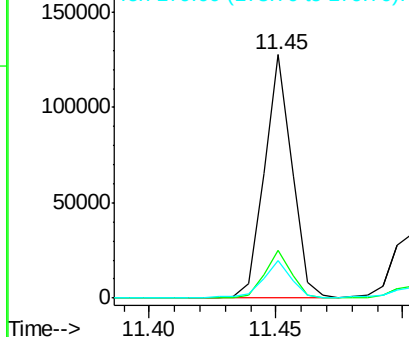


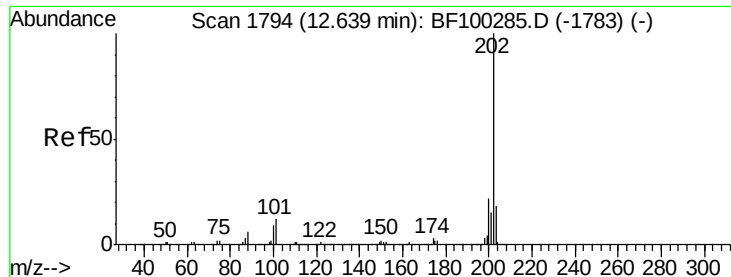
#70
 Phenanthrene
 Concen: 5.24 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

Tgt Ion: 178 Resp: 97227
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.6 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: 10.29 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

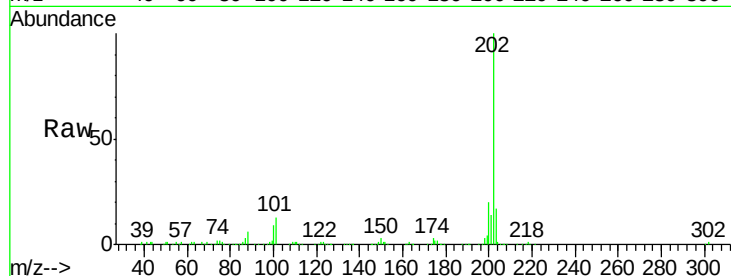
Tgt Ion:202 Resp: 202590

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

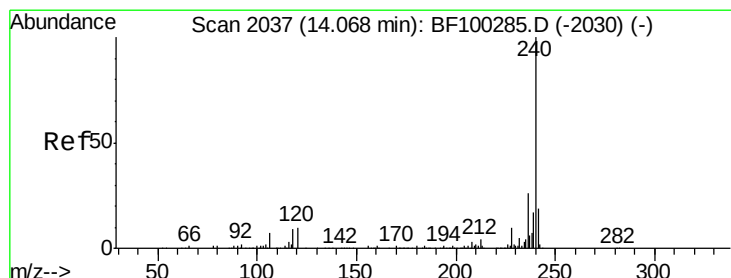
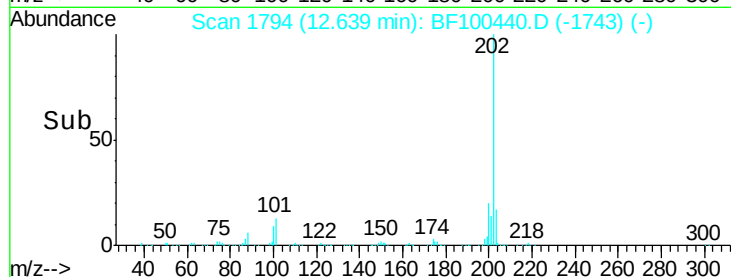
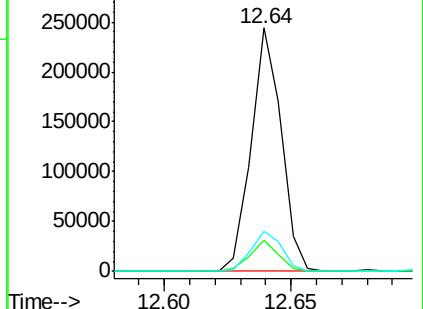
203 16.6 0.0 38.1



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: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

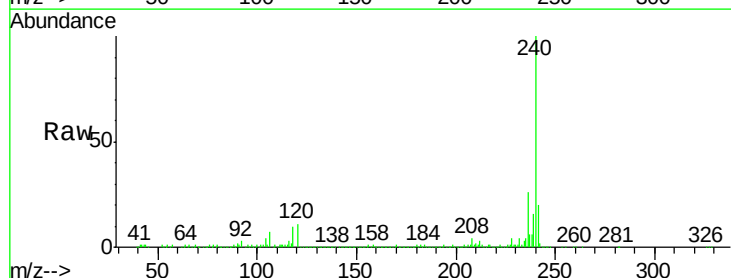
Tgt Ion:240 Resp: 329708

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

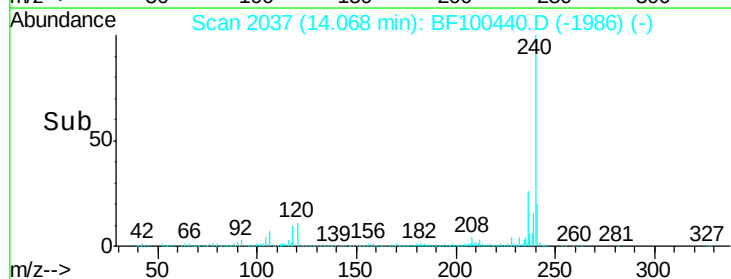
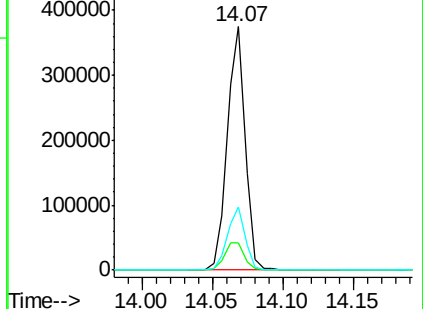
236 25.7 20.7 31.1

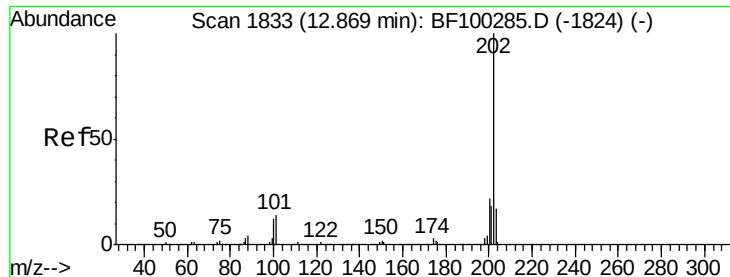


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

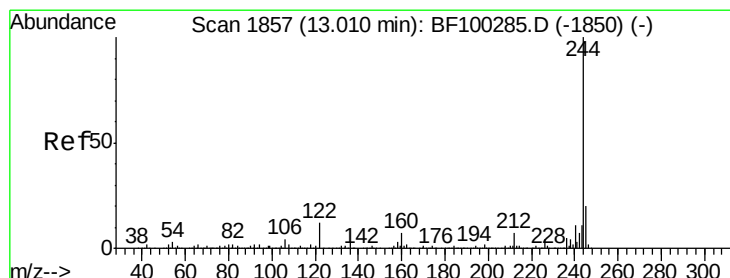
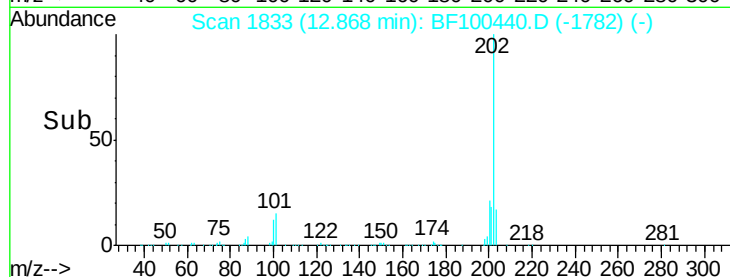
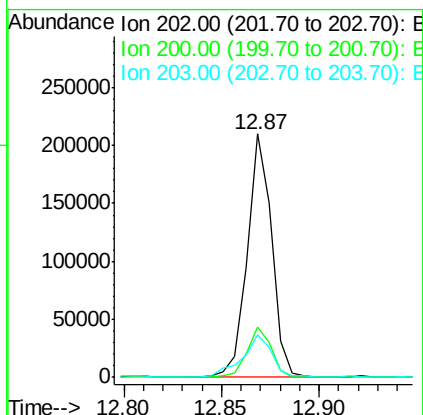
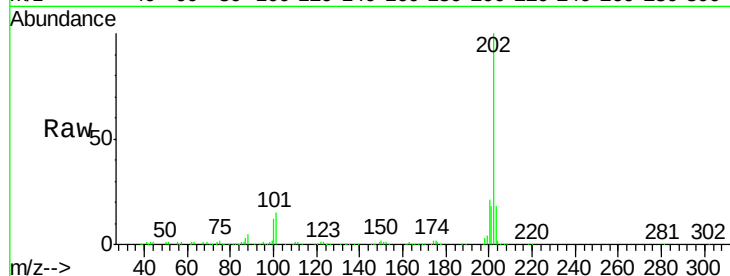




#77
 Pyrene
 Concen: 7.78 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

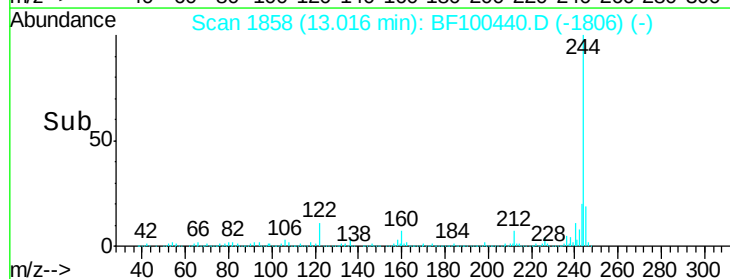
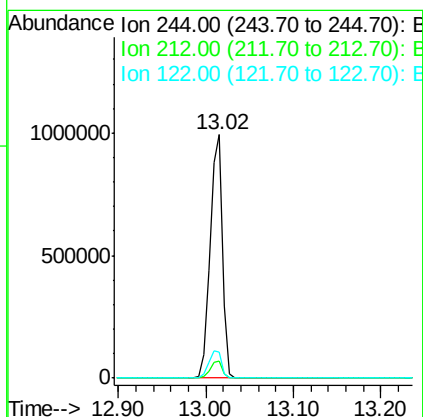
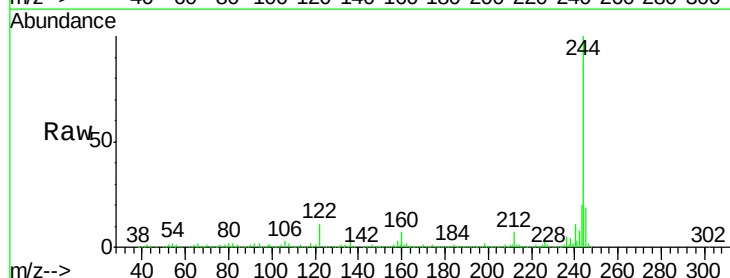
Instrument :
 BNA_F
 ClientSampled :
 4632

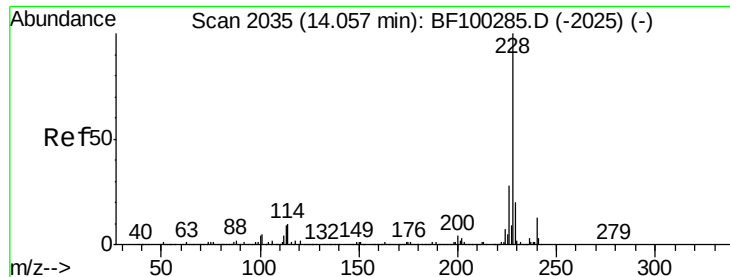
Tgt Ion:202 Resp: 182738
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.4 26.2
 203 17.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 67.33 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: BF100440.D
 Acq: 11 Nov 2017 15:02

Tgt Ion:244 Resp: 966196
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.6 11.0 16.4#

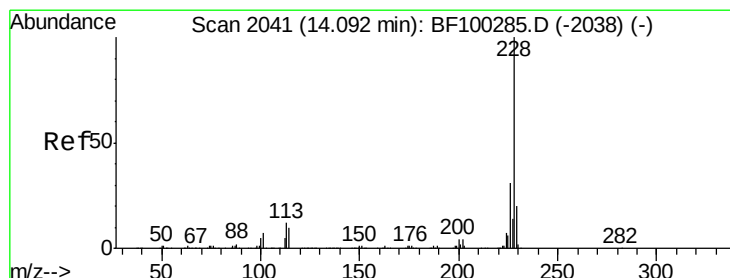
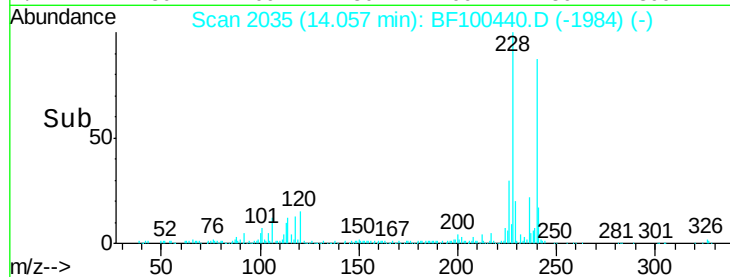
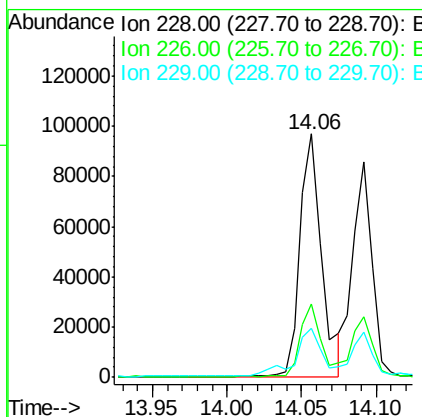
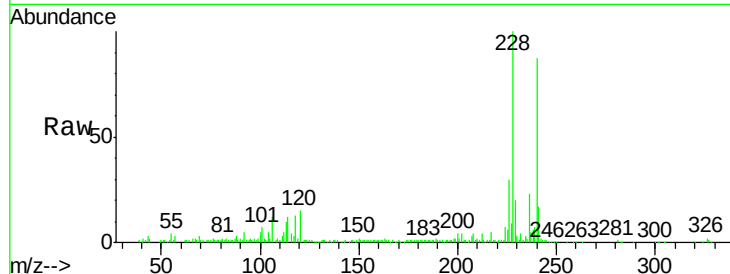




#80
Benzo(a)anthracene
Concen: 5.05 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

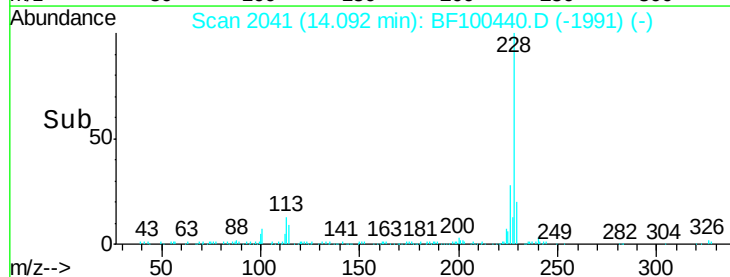
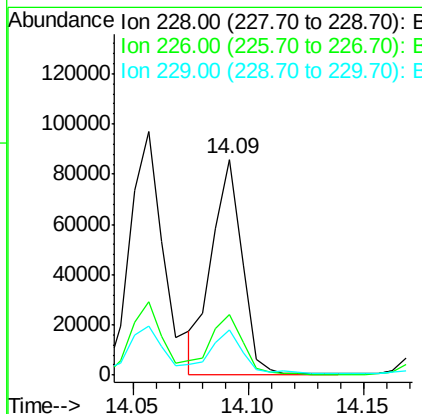
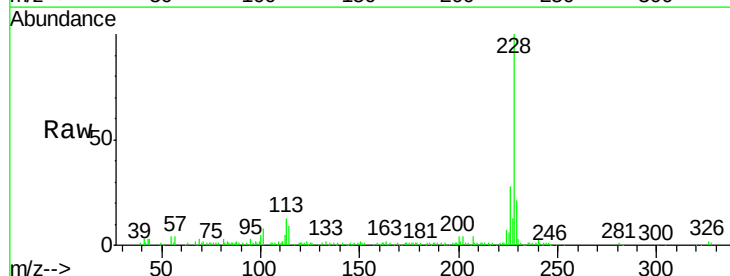
Instrument :
BNA_F
ClientSampleId :
4632

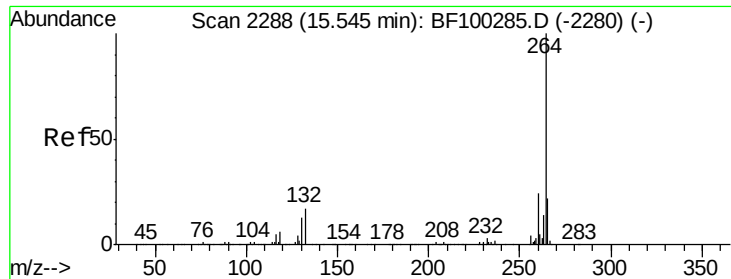
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.2	15.8	23.6



#82
Chrysene
Concen: 4.12 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.0	37.6
229	20.8	16.2	24.4

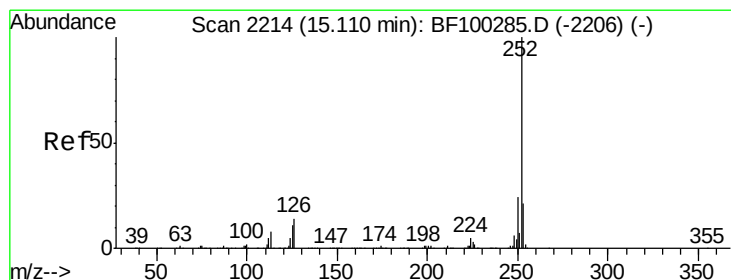
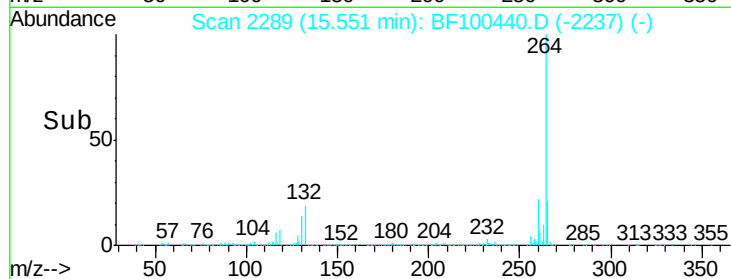
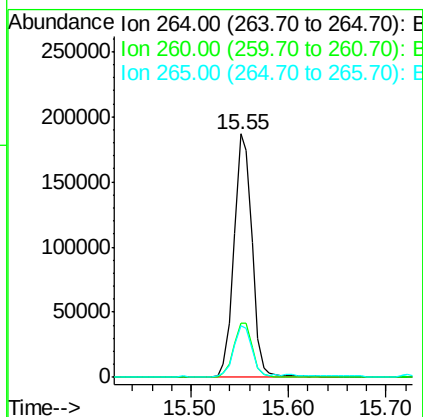
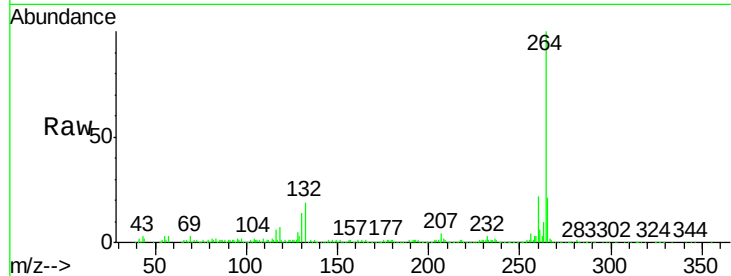




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

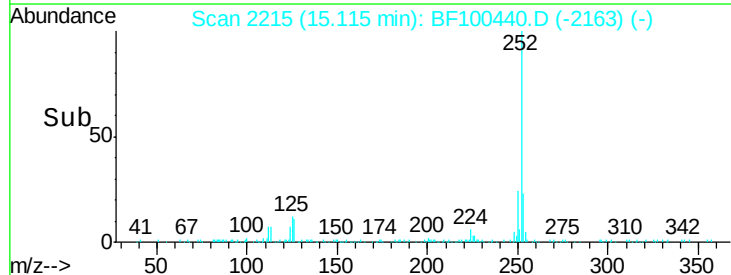
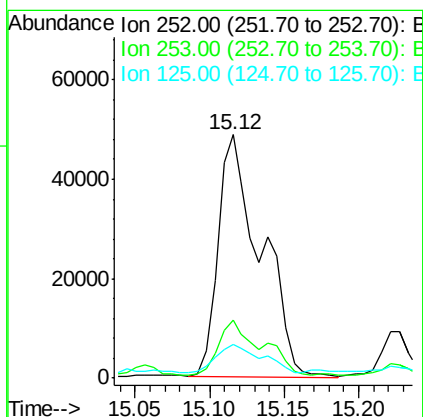
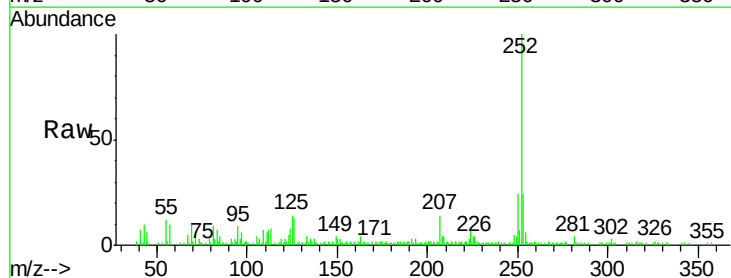
Instrument :
BNA_F
ClientSampleId :
4632

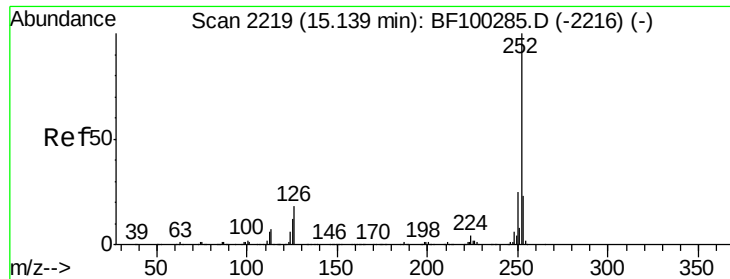
Tgt Ion:264 Resp: 240697
Ion Ratio Lower Upper
264 100
260 22.1 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.79 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100440.D
Acq: 11 Nov 2017 15:02

Tgt Ion:252 Resp: 96825
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 13.8 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 7.19 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.03 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

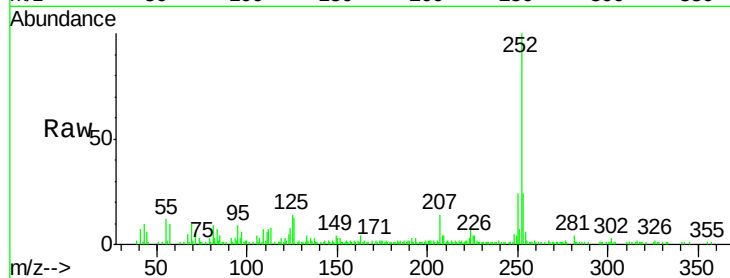
Tgt Ion:252 Resp: 96825

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

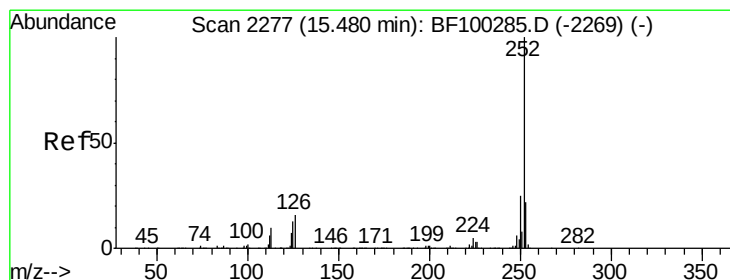
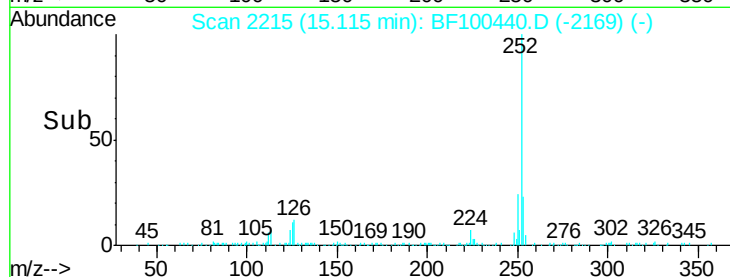
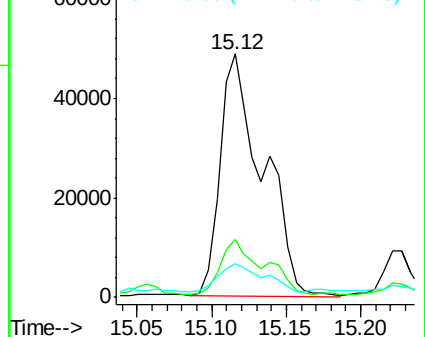
125 13.8 10.2 15.2



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: 3.76 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

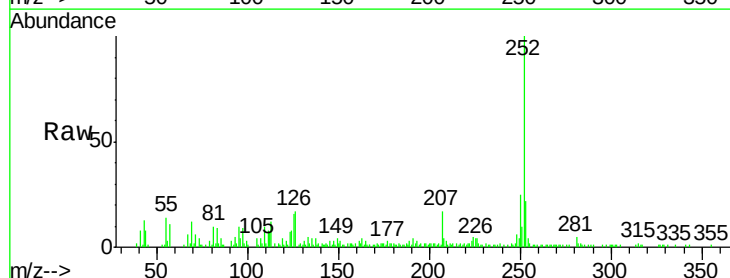
Tgt Ion:252 Resp: 47475

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

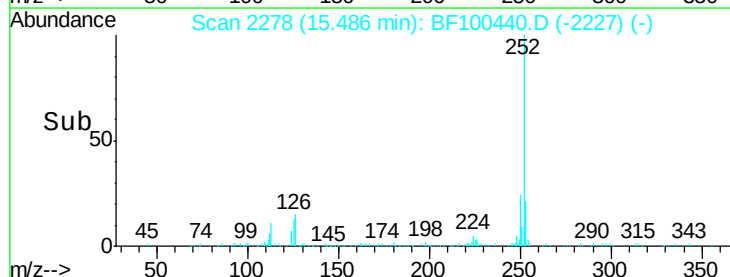
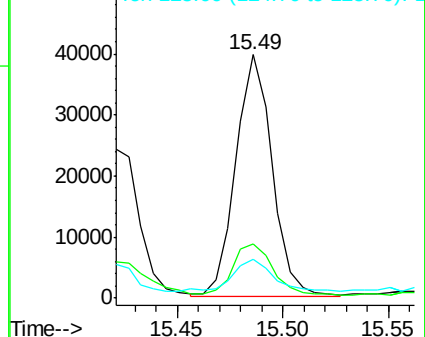
125 16.2 9.8 14.6#

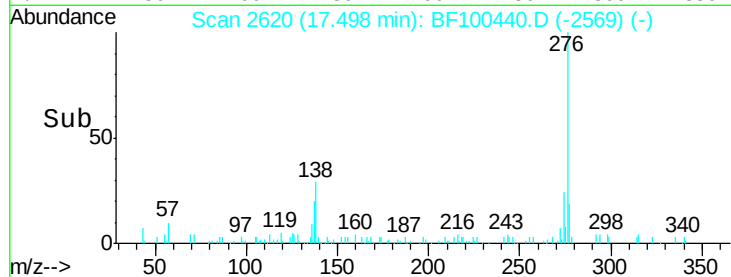
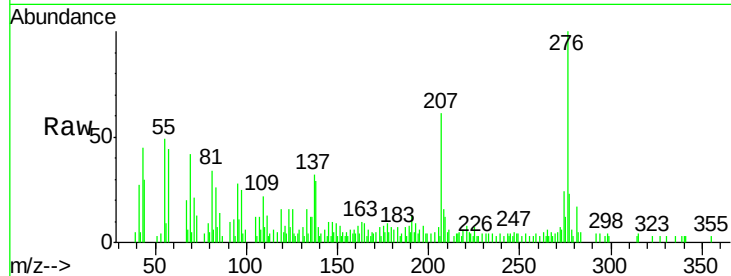
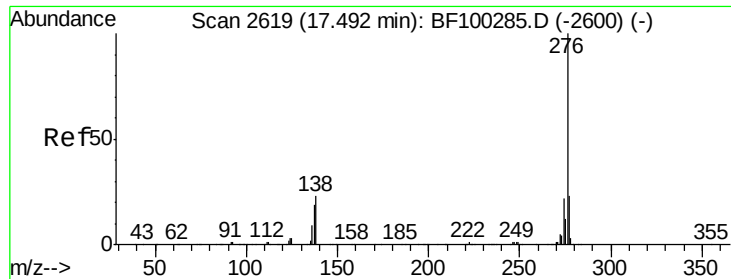


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.50 ng

RT: 17.50 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BF100440.D

Acq: 11 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

4632

Tgt Ion: 276 Resp: 25301

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 29.2 21.8 32.8

