

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100885.D
 Acq On : 27 Nov 2017 12:11
 Operator : SJ/JU
 Sample : I6574-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 21:55:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	79870	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	307001	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	137632	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	251412	20.00	ng	0.00
75) Chrysene-d12	14.02	240	188834	20.00	ng	0.00
86) Perylene-d12	15.49	264	165528	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	403999	81.08	ng	0.00
7) Phenol-d6	6.49	99	500953	81.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	302564	65.16	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	137044	97.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	499549	55.27	ng	0.00
78) Terphenyl-d14	12.97	244	474911	57.79	ng	0.00

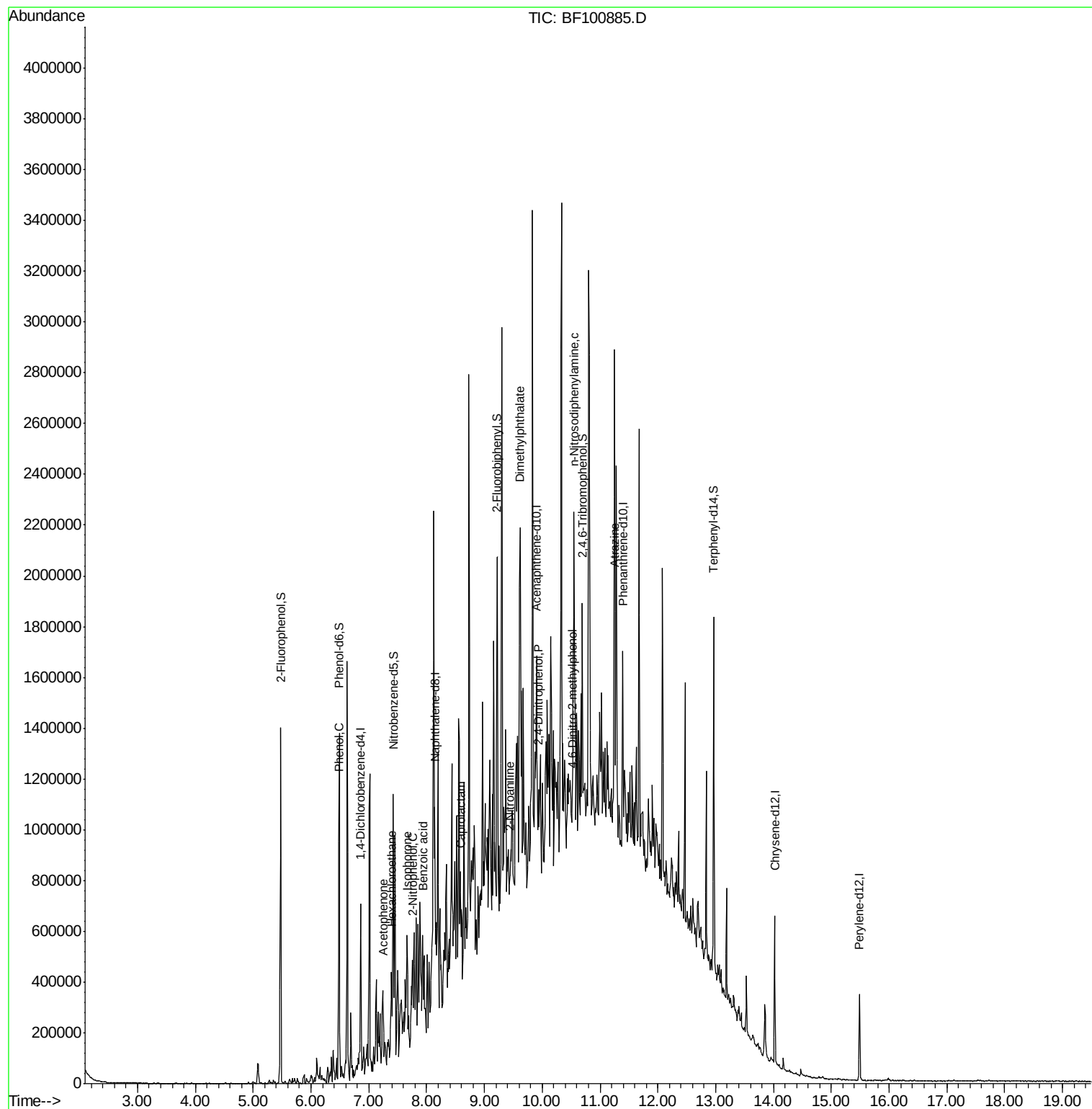
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	19965	3.095	ng	94
18) Hexachloroethane	7.39	117	6839	3.372	ng	# 1
22) Acetophenone	7.25	105	23267	3.108	ng	# 60
25) Isophorone	7.66	82	21855	2.240	ng	# 1
26) 2-Nitrophenol	7.76	139	3205	6.649	ng	# 1
32) Benzoic acid	7.93	122	1719	9.784	ng	# 1
35) Caprolactam	8.59	113	2961	2.066	ng	# 1
47) 2-Nitroaniline	9.43	65	684	3.036	ng	# 54
49) Dimethylphthalate	9.61	163	81751	7.780	ng	# 93
53) 2,4-Dinitrophenol	9.93	184	217	8.145	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.51	198	119	8.647	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	35144	4.020	ng	# 50
68) Atrazine	11.26	200	6292	2.378	ng	76

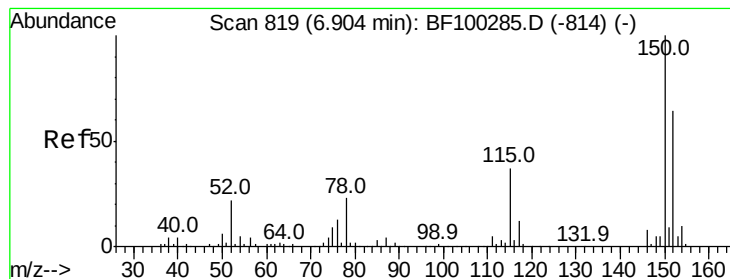
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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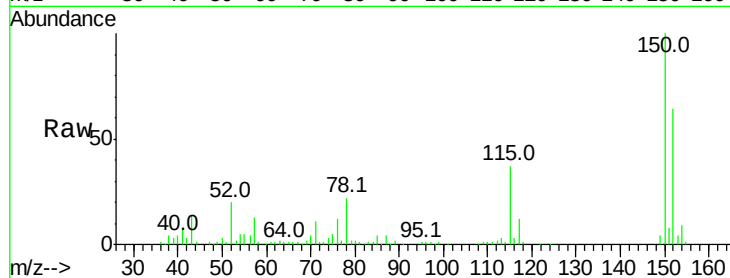


#1

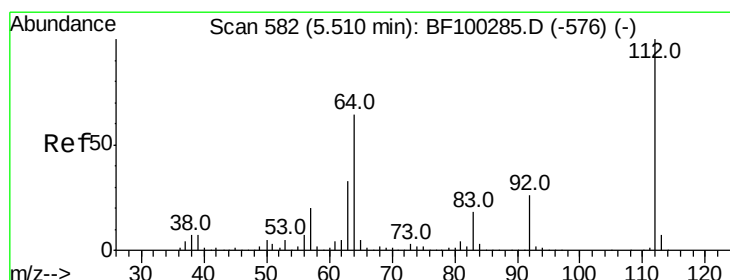
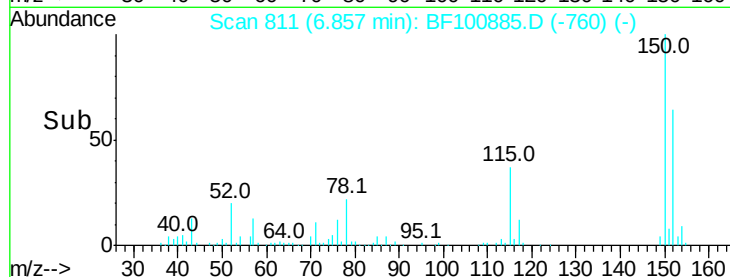
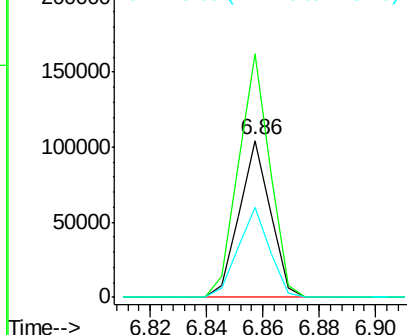
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79870
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 57.2 50.1 75.1



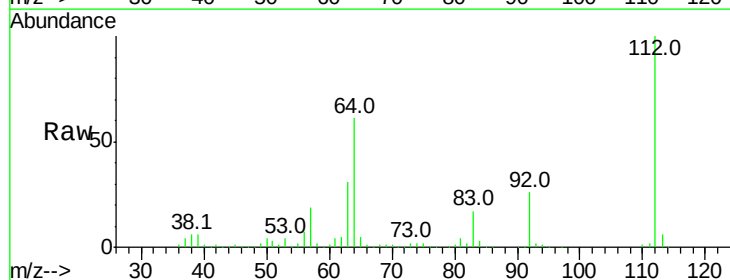
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



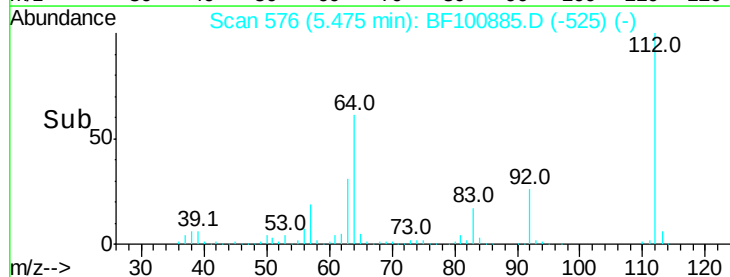
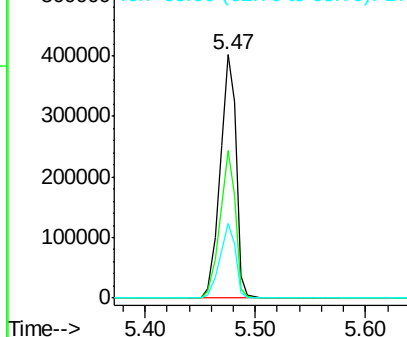
#5

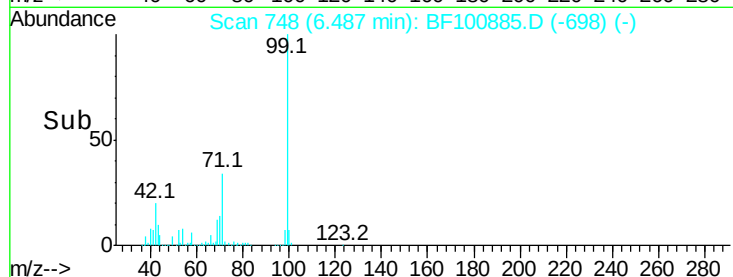
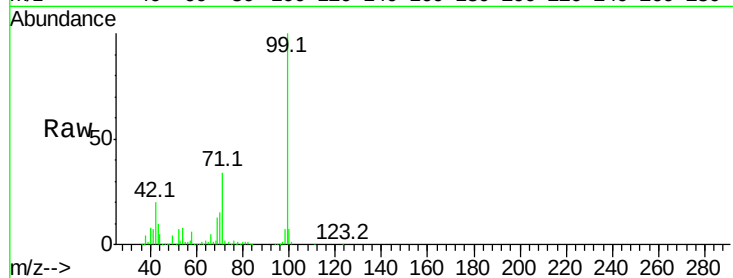
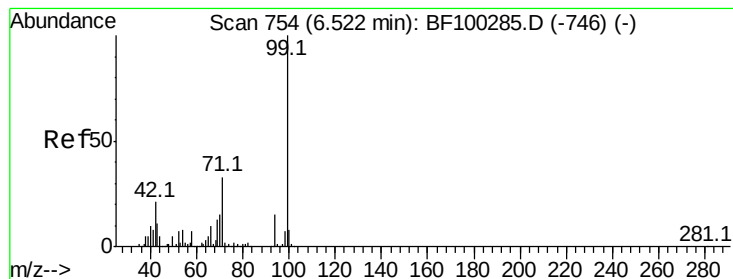
2-Fluorophenol
Concen: 81.082 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

Tgt Ion:112 Resp: 403999
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 30.7 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: 81.533 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampleId :

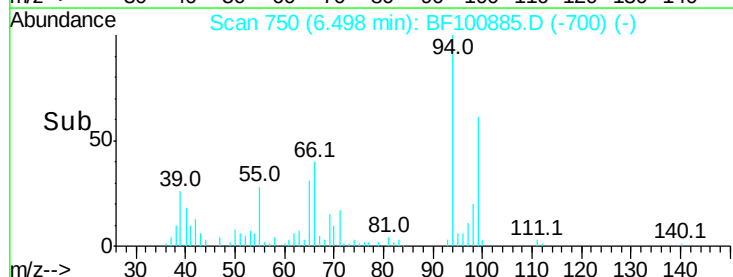
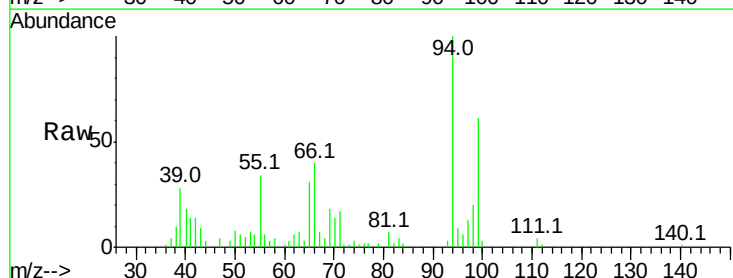
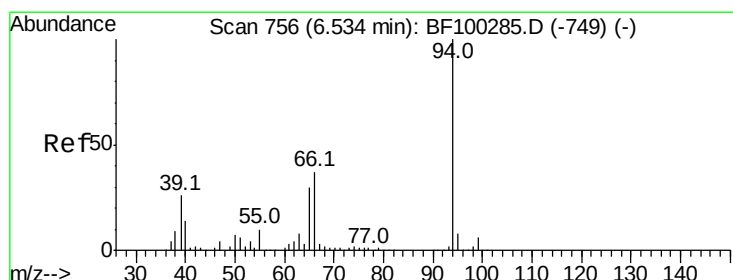
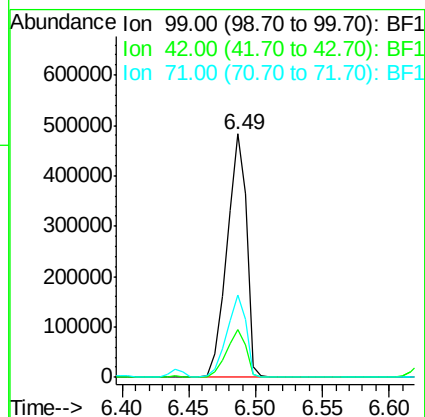
Tot Ion: 99 Resp: 500953

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 3.095 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

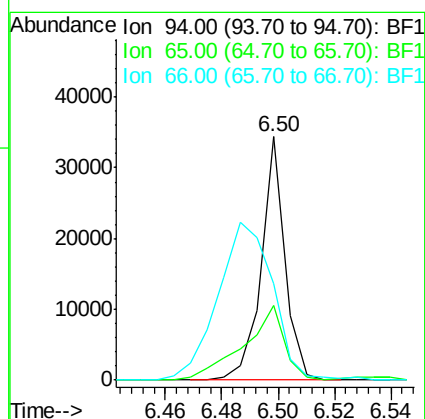
Tgt Ion: 94 Resp: 19965

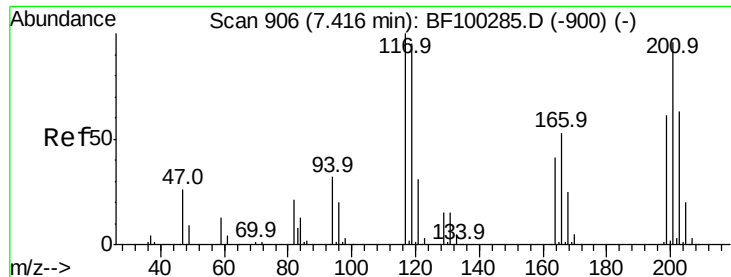
Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

66 39.9 16.2 56.2





#18

Hexachloroethane

Concen: 3.372 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.02 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampleId :

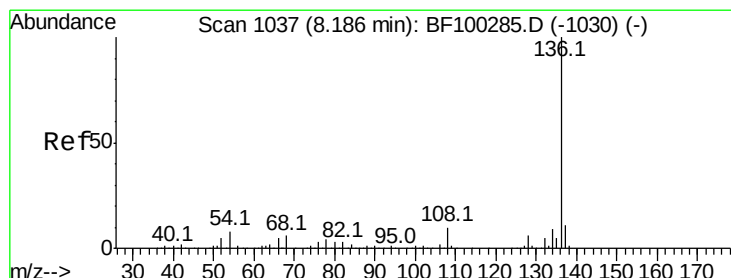
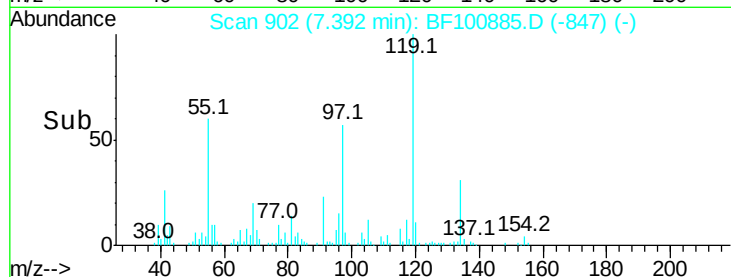
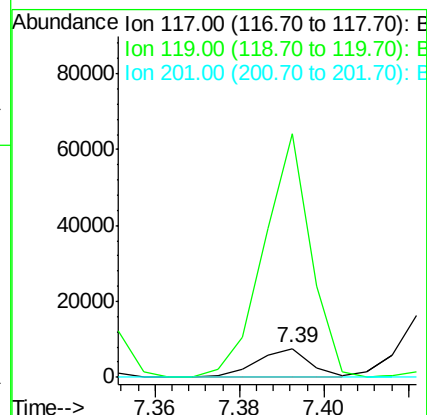
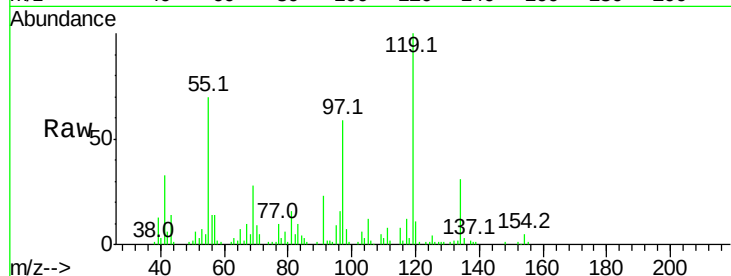
Tot Ion:117 Resp: 6839

Ion Ratio Lower Upper

117 100

119 836.2 75.8 113.8#

201 0.0 75.7 113.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Tgt Ion:136 Resp: 307001

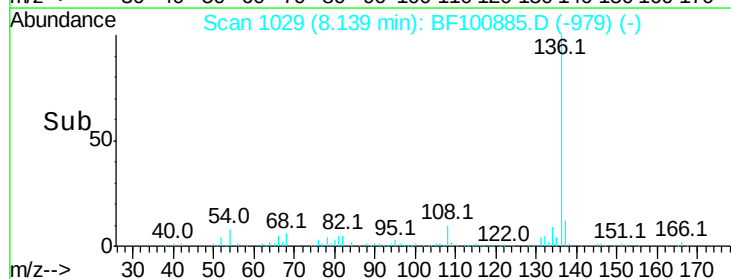
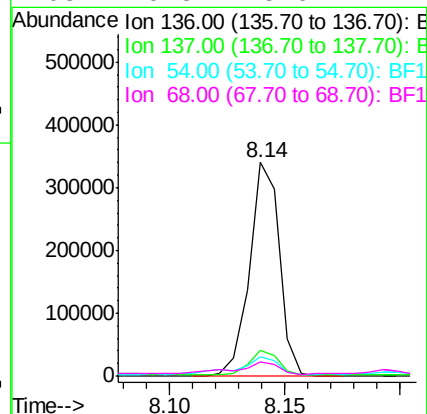
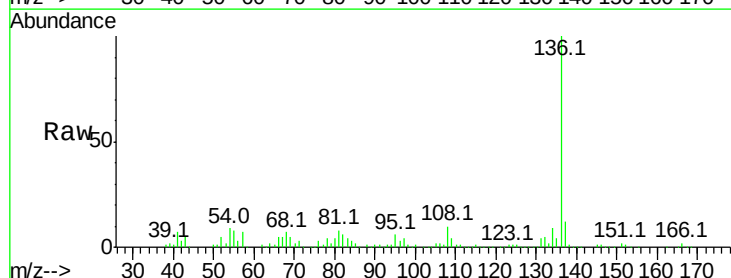
Ion Ratio Lower Upper

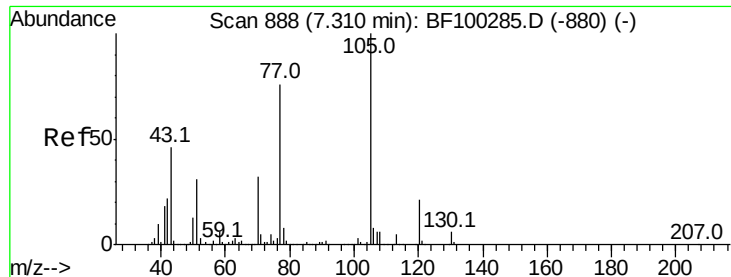
136 100

137 11.9 8.9 13.3

54 9.2 6.6 9.8

68 6.8 5.0 7.4





#22

Acetophenone

Concen: 3.108 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 23267

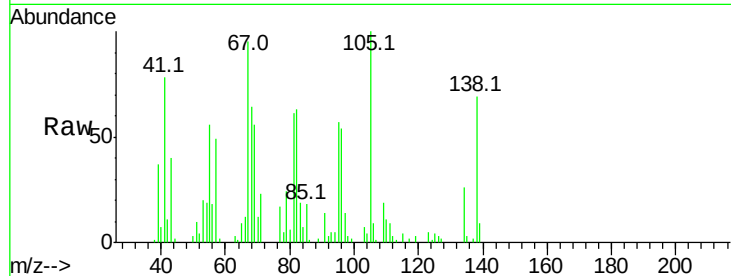
Ion Ratio Lower Upper

105 100

71 23.2 4.4 6.6#

51 10.2 22.3 33.5#

120 0.0 16.9 25.3#

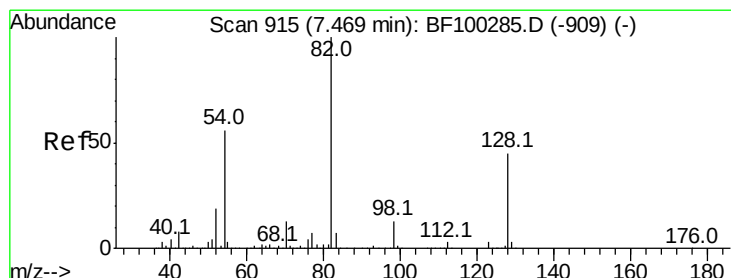
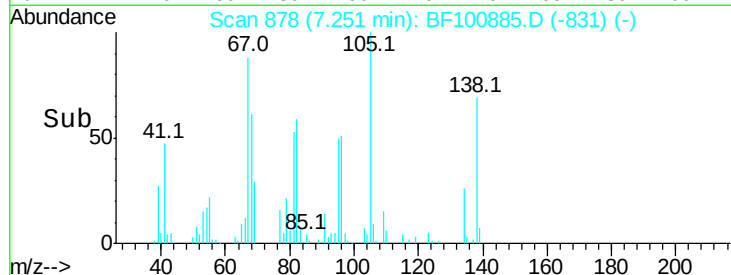
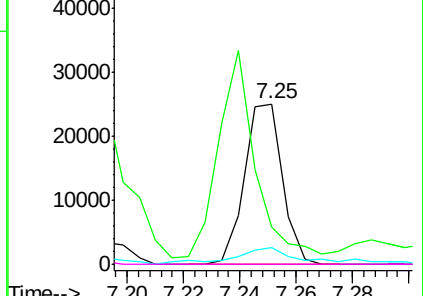


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 65.158 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

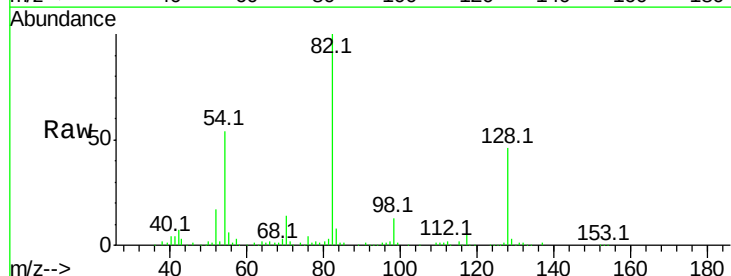
Tgt Ion: 82 Resp: 302564

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

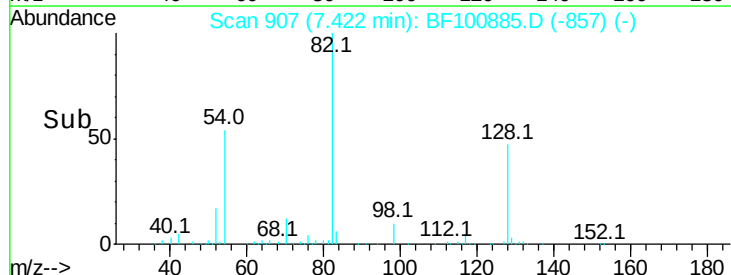
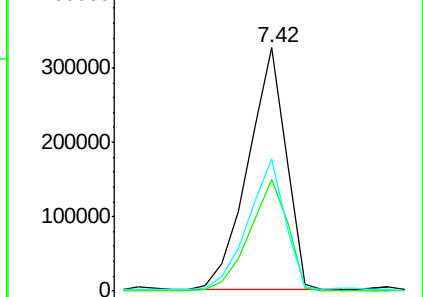
54 54.1 41.4 62.2

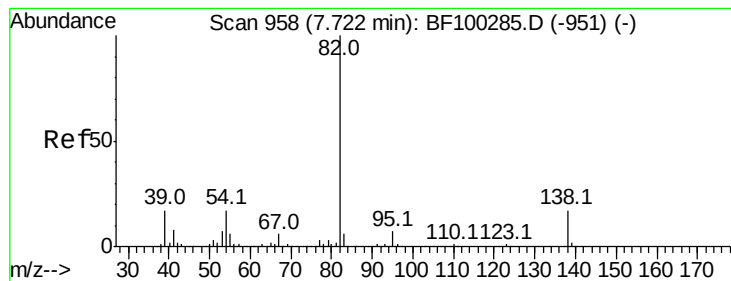


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.240 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampleId :

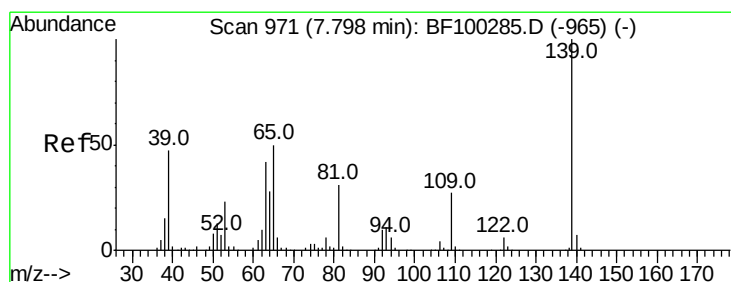
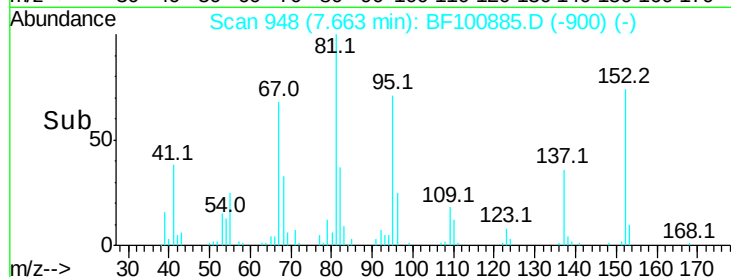
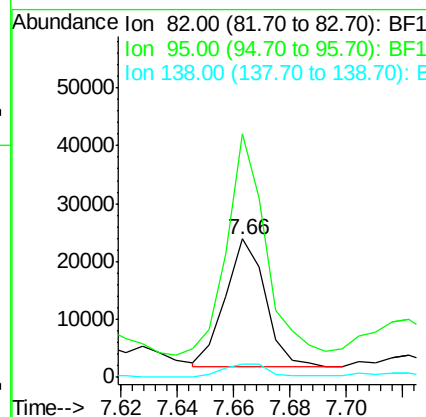
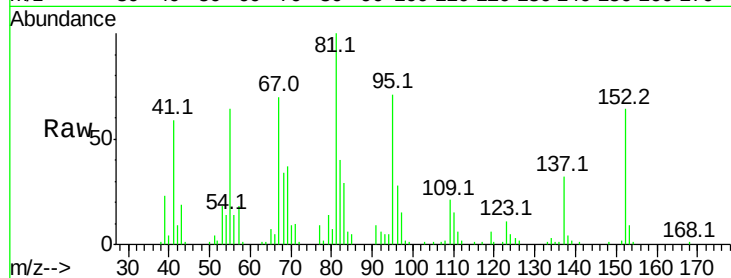
Tot Ion: 82 Resp: 21855

Ion Ratio Lower Upper

82 100

95 175.7 5.2 7.8#

138 9.5 14.9 22.3#



#26

2-Nitrophenol

Concen: 6.649 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

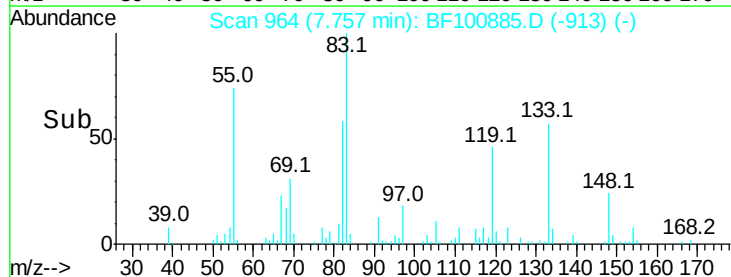
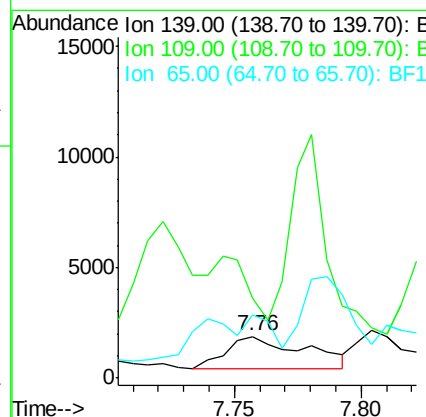
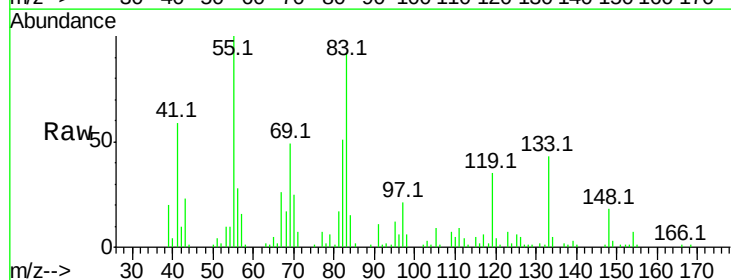
Tgt Ion: 139 Resp: 3205

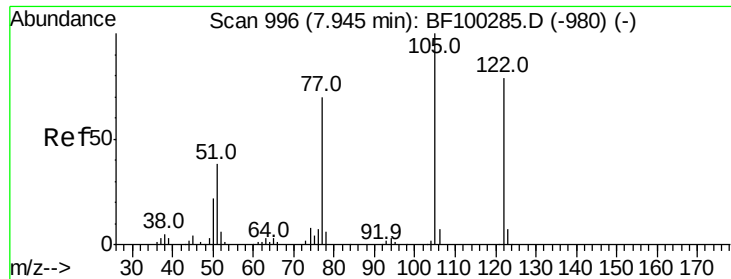
Ion Ratio Lower Upper

139 100

109 190.5 22.7 34.1#

65 151.7 40.5 60.7#





#32

Benzoic acid

Concen: 9.784 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampleId :

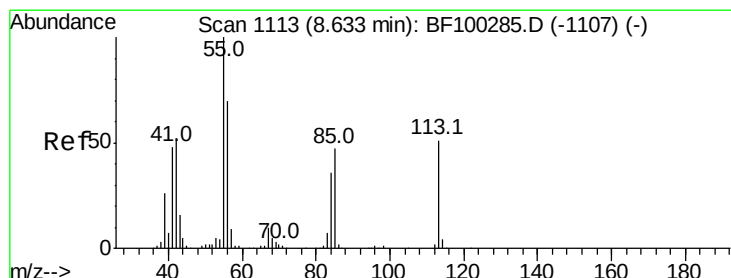
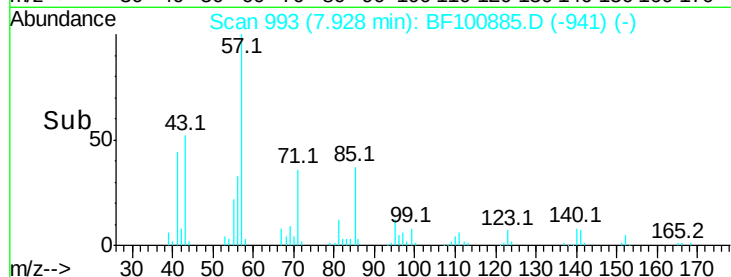
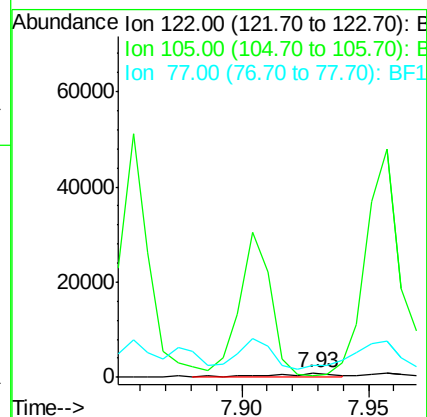
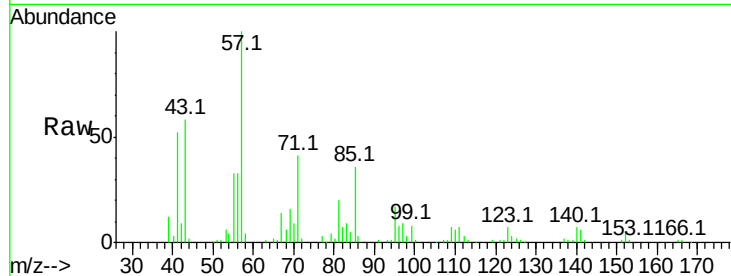
Tot Ion:122 Resp: 1719

Ion Ratio Lower Upper

122 100

105 36.9 101.1 141.1#

77 256.2 70.7 110.7#



#35

Caprolactam

Concen: 2.066 ng

RT: 8.59 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

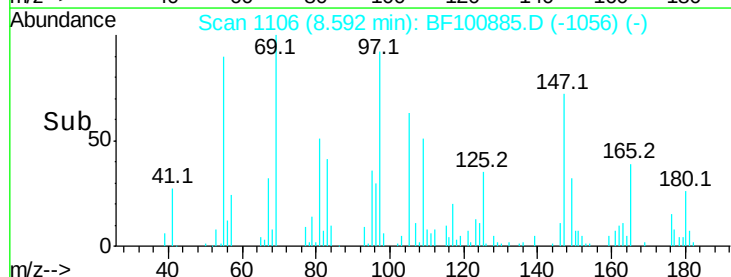
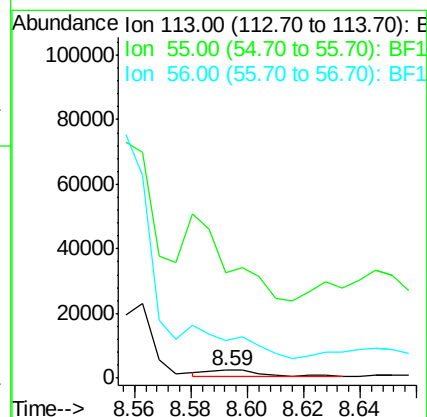
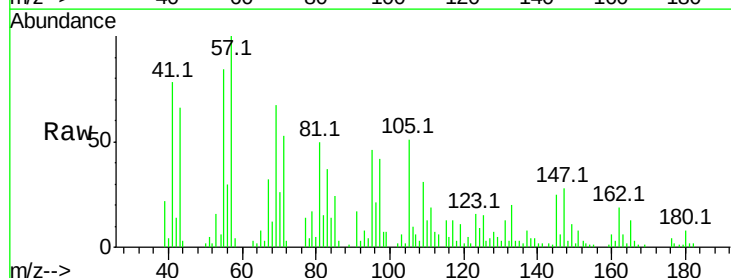
Tgt Ion:113 Resp: 2961

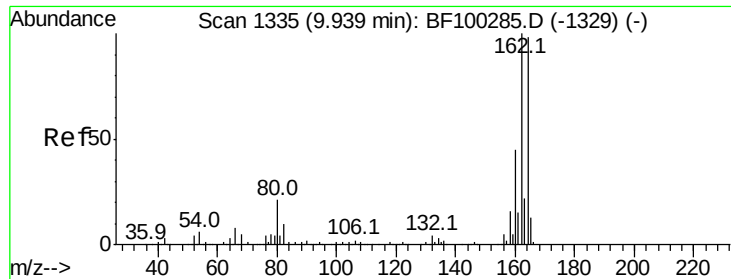
Ion Ratio Lower Upper

113 100

55 1308.9 163.3 203.3#

56 474.2 115.7 155.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampled :

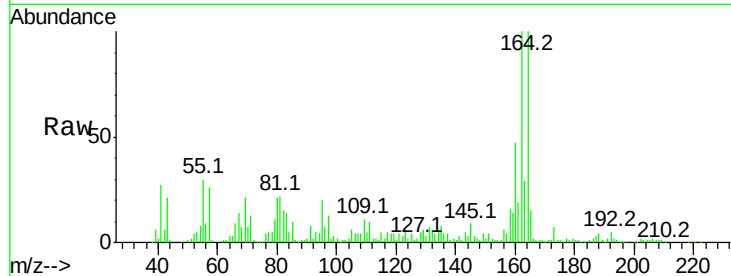
Tot Ion:164 Resp: 137632

Ion Ratio Lower Upper

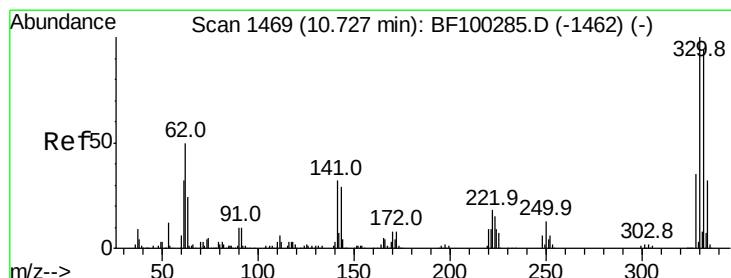
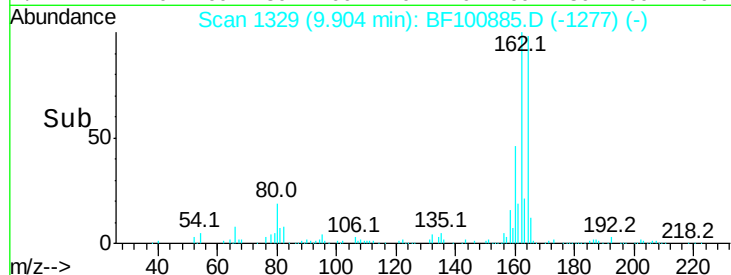
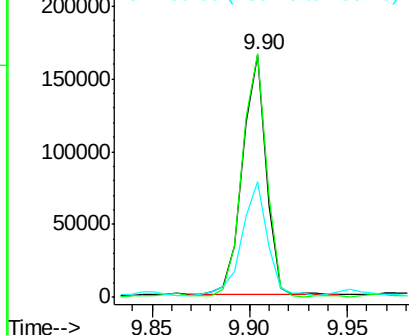
164 100

162 100.3 86.1 129.1

160 47.5 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: 97.716 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

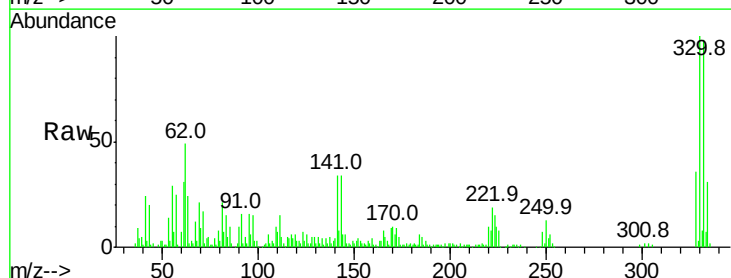
Tgt Ion:330 Resp: 137044

Ion Ratio Lower Upper

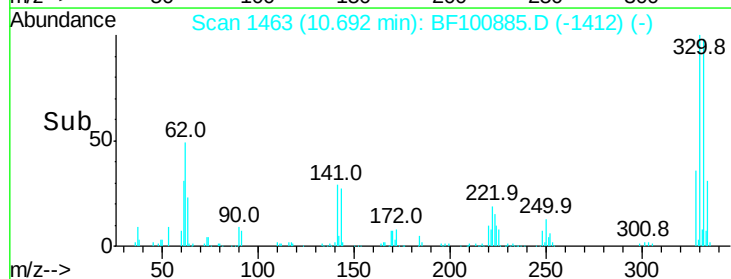
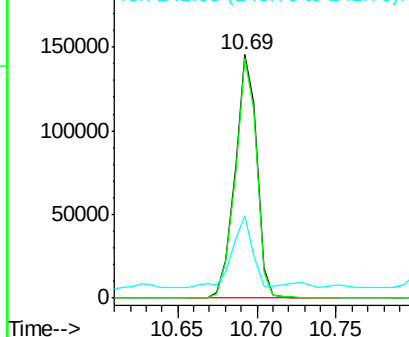
330 100

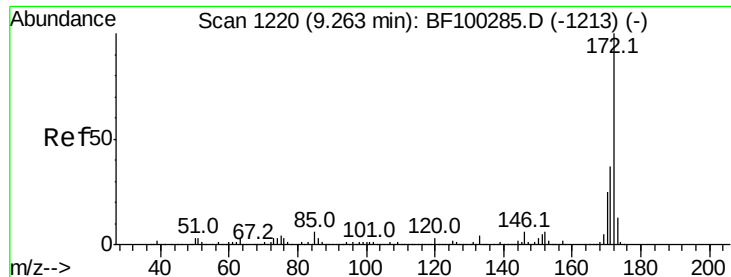
332 96.7 77.0 115.6

141 27.9 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

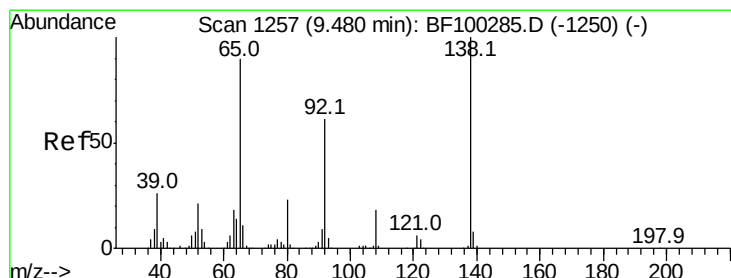
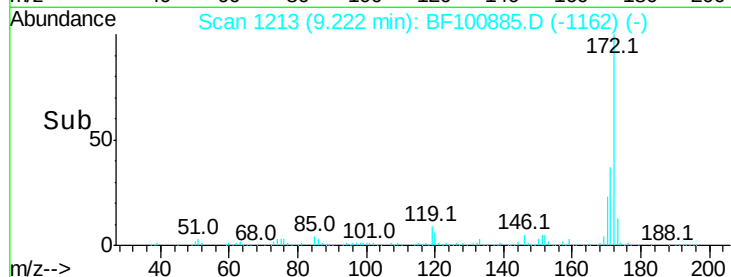
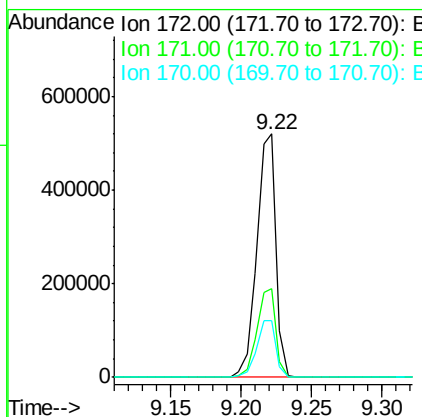
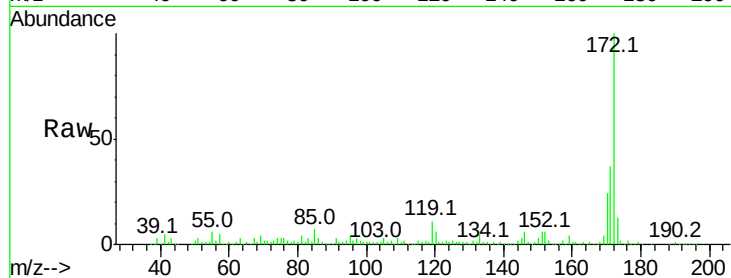




#44
2-Fluorobiphenyl
Concen: 55.268 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

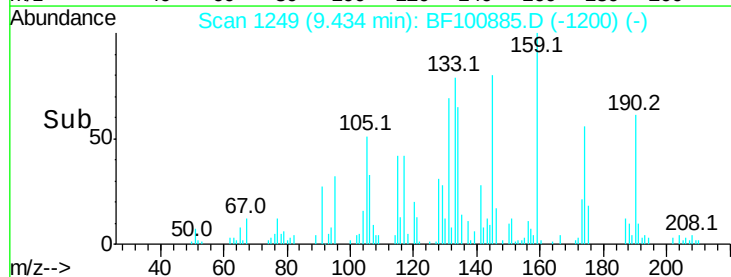
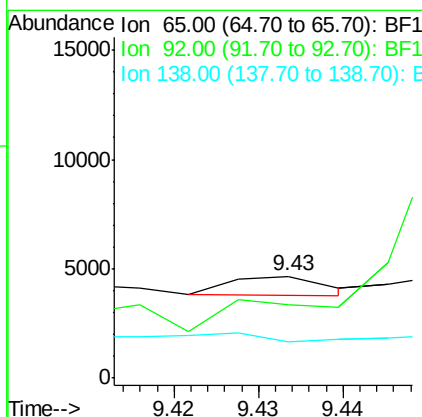
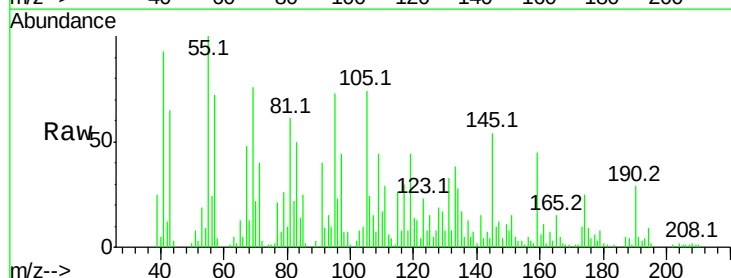
Instrument :
BNA_F
ClientSampleId :

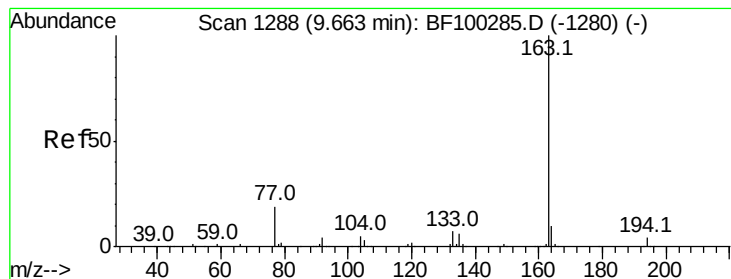
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.5	19.6	29.4



#47
2-Nitroaniline
Concen: 3.036 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.4	55.8	83.6
138	34.9	91.2	136.8#





#49

Dimethylphthalate

Concen: 7.780 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampled :

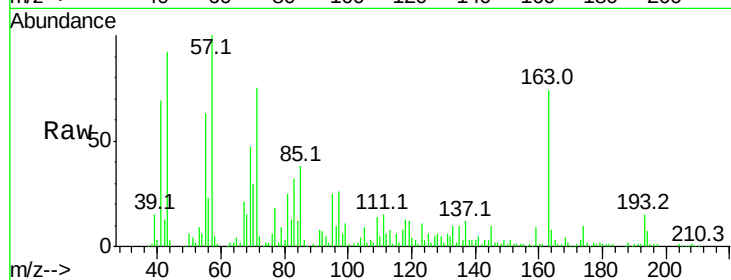
Tot Ion:163 Resp: 81751

Ion Ratio Lower Upper

163 100

194 9.8 2.7 4.1#

164 11.0 8.2 12.2

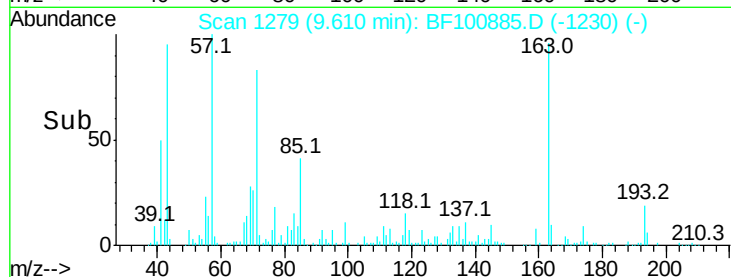


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

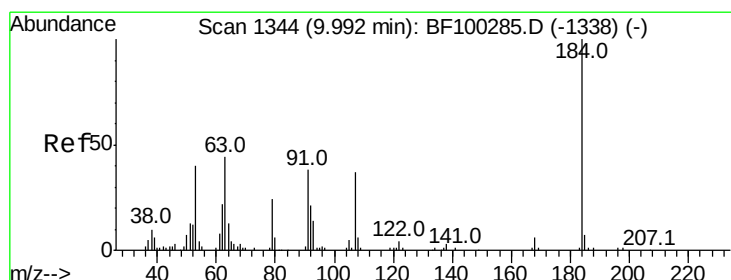
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#53

2,4-Dinitrophenol

Concen: 8.145 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

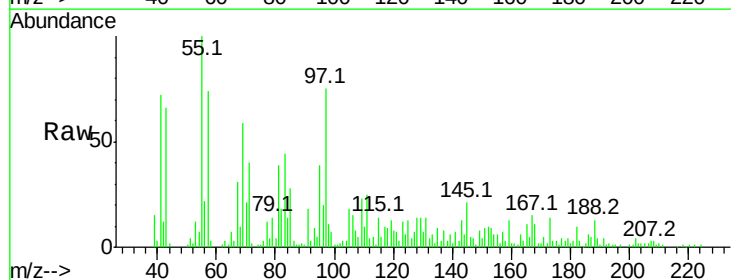
Tgt Ion:184 Resp: 217

Ion Ratio Lower Upper

184 100

63 699.7 54.2 81.2#

154 1360.3 184.0 276.0#

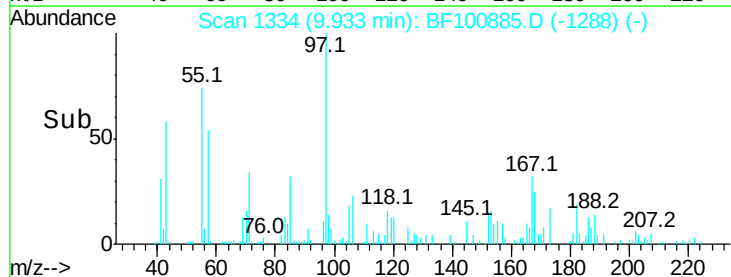


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

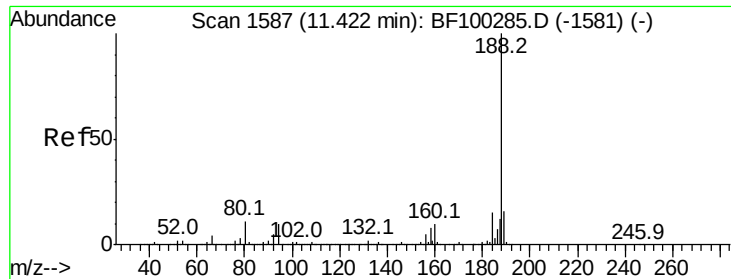
Ion 154.00 (153.70 to 154.70): E

Time-->



Abundance

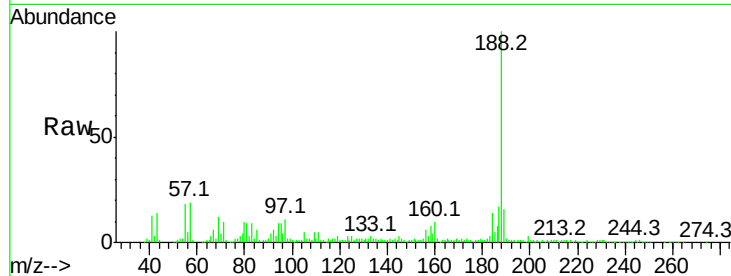
Time-->



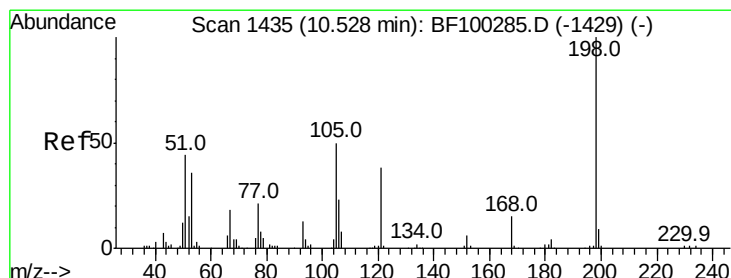
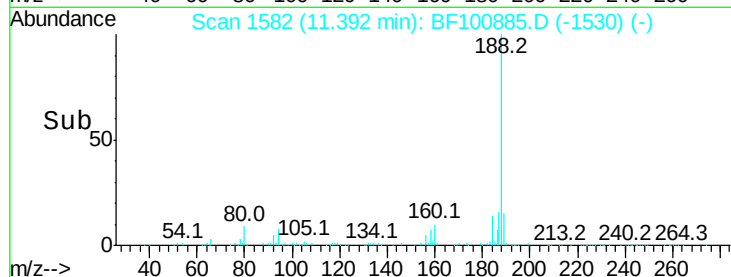
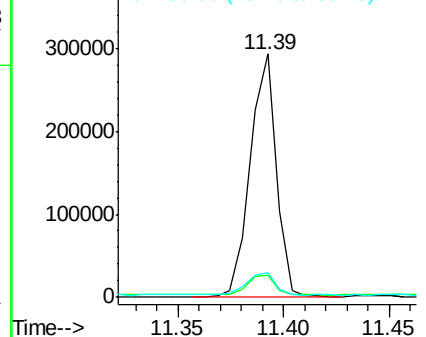
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BF100885.D
 Acq: 27 Nov 2017 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 251412
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.5 12.7
 80 10.2 9.2 13.8

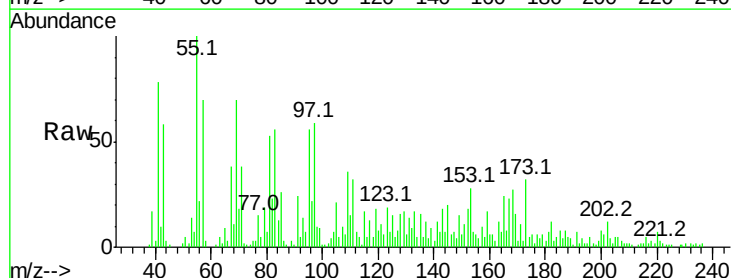


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

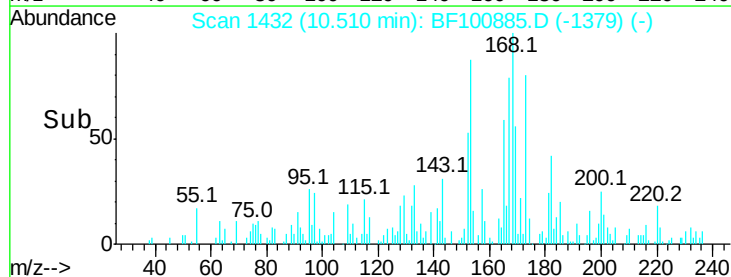
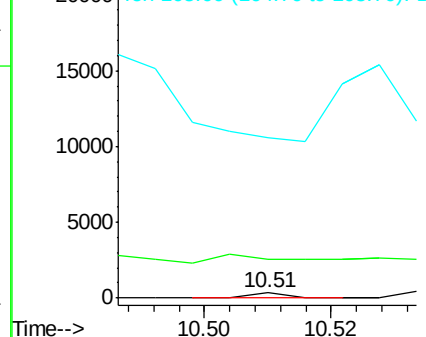


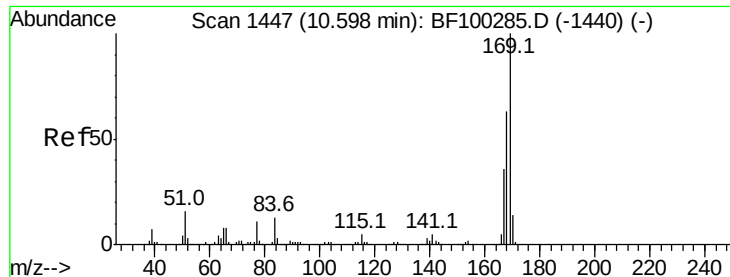
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.647 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF100885.D
 Acq: 27 Nov 2017 12:11

Tgt Ion:198 Resp: 119
 Ion Ratio Lower Upper
 198 100
 51 751.5 37.7 77.7#
 105 3139.9 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

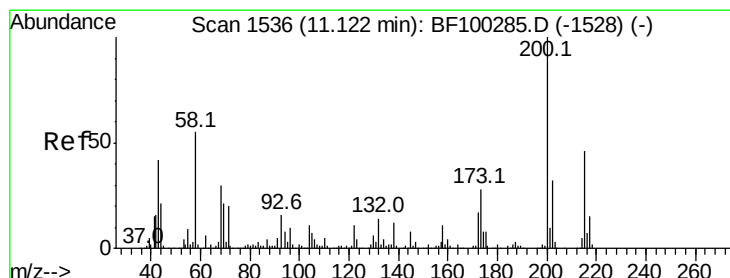
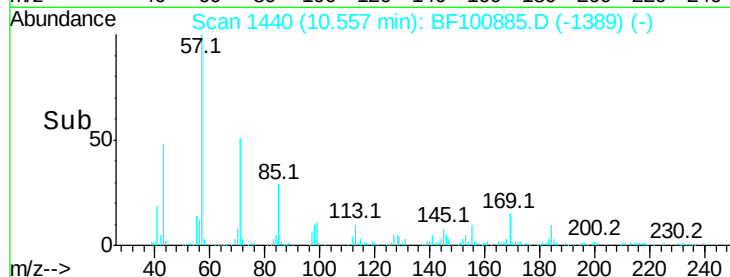
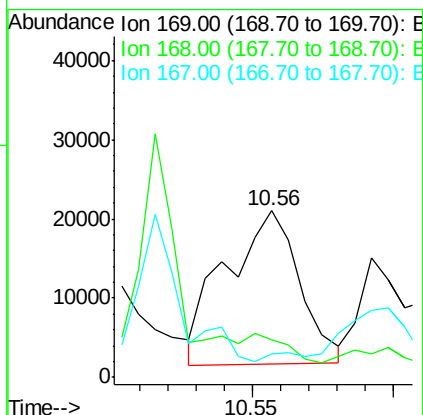
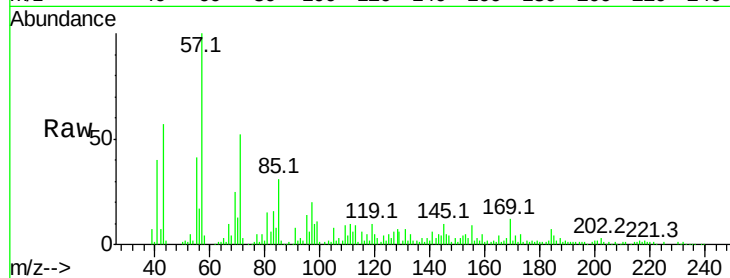




#65
n-Nitrosodiphenylamine
Concen: 4.020 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

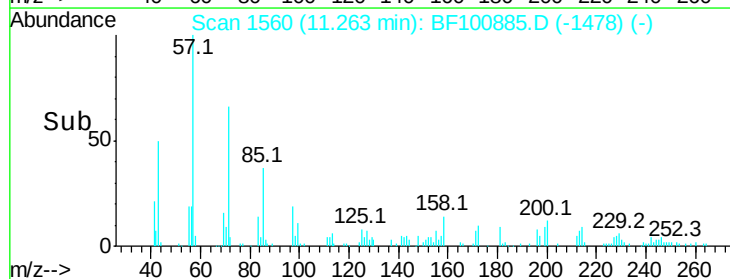
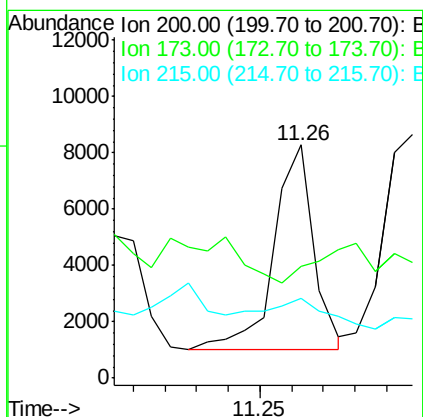
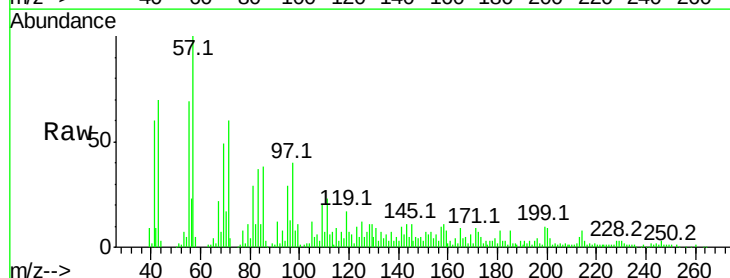
Instrument :
BNA_F
ClientSampled :

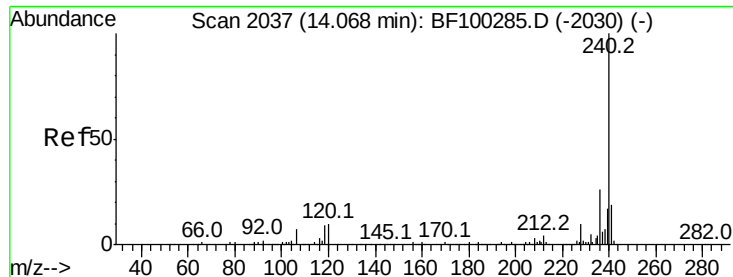
Tot Ion:169 Resp: 35144
Ion Ratio Lower Upper
169 100
168 22.7 54.4 81.6#
167 13.8 29.8 44.6#



#68
Atrazine
Concen: 2.378 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.18 min
Lab File: BF100885.D
Acq: 27 Nov 2017 12:11

Tgt Ion:200 Resp: 6292
Ion Ratio Lower Upper
200 100
173 47.8 8.6 48.6
215 34.4 25.1 65.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

Instrument :

BNA_F

ClientSampleId :

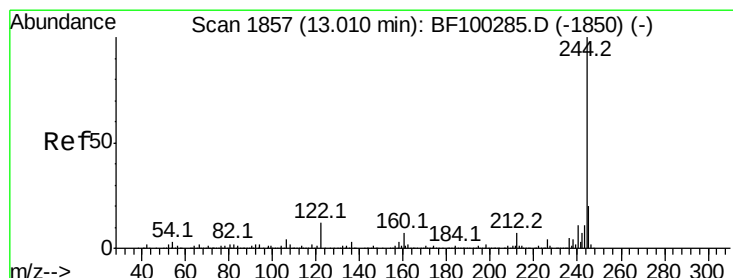
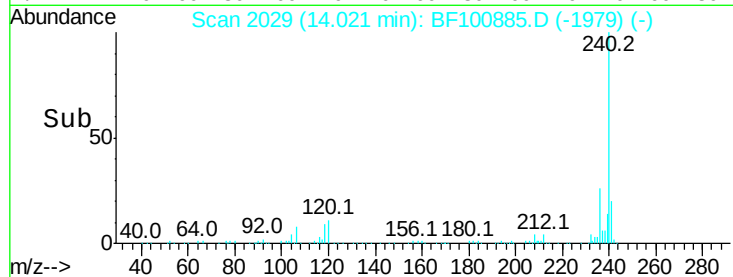
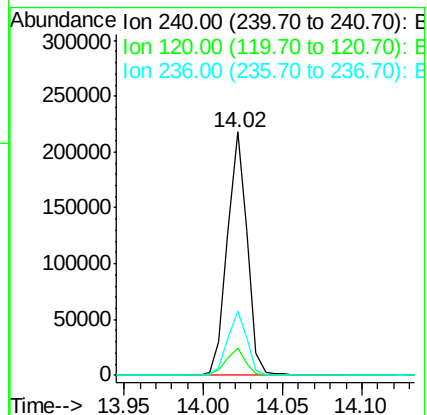
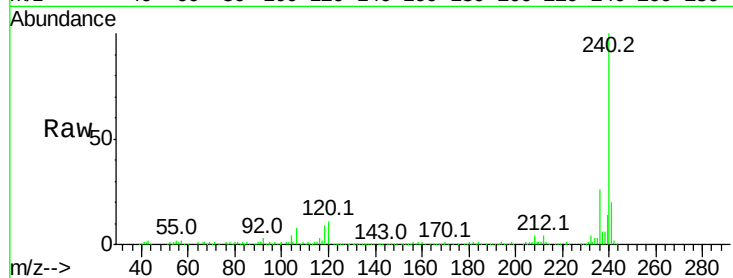
Tot Ion:240 Resp: 188834

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

236 26.3 20.7 31.1



#78

Terphenyl-d14

Concen: 57.787 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF100885.D

Acq: 27 Nov 2017 12:11

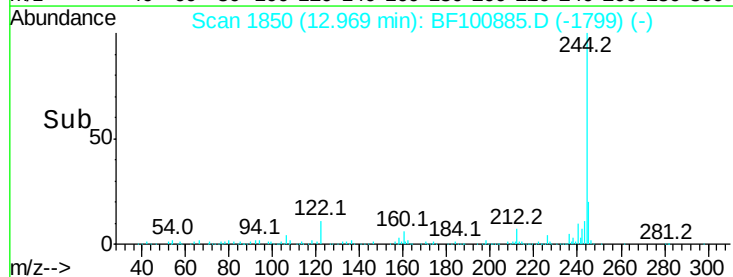
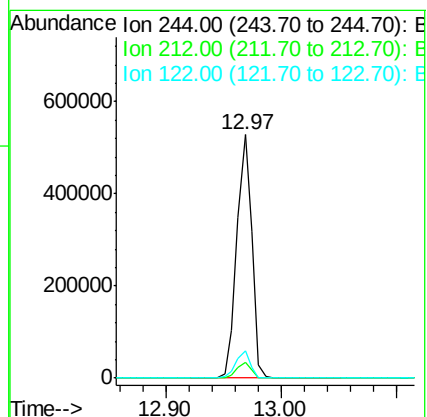
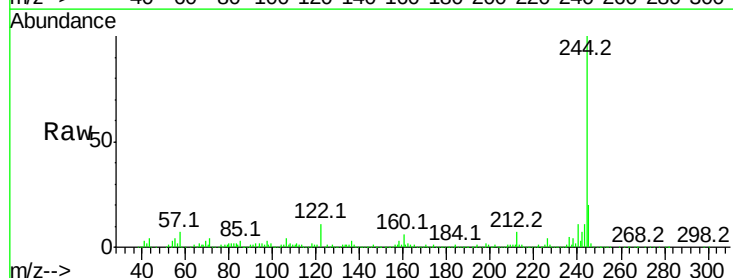
Tgt Ion:244 Resp: 474911

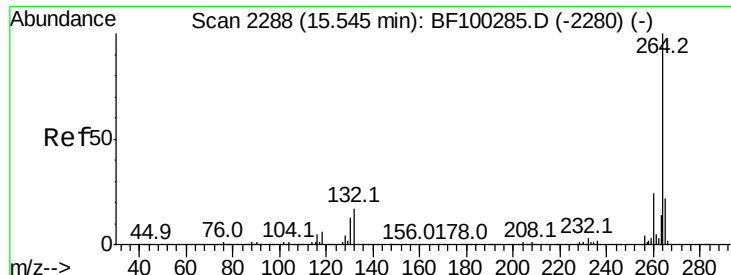
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.1 11.0 16.4

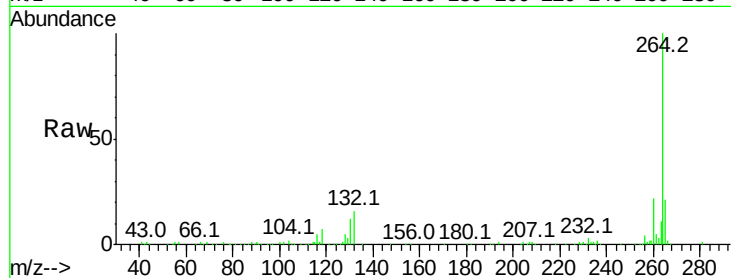




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF100885.D
 Acq: 27 Nov 2017 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	165528
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	20.7	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

