

Data File : BF100468.D
Acq On : 12 Nov 2017 4:50
Operator : SJ/JU
Sample : I6407-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3091-4235

Quant Time: Nov 13 04:44:53 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	135554	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	502362	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	197512	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	305290	20.00	ng	0.00
75) Chrysene-d12	14.06	240	283499	20.00	ng	0.00
86) Perylene-d12	15.54	264	195844	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	991552	117.26	ng	0.02
7) Phenol-d6	6.53	99	1080192	103.59	ng	0.00
23) Nitrobenzene-d5	7.47	82	829319	109.14	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	248961	123.70	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1399408	107.89	ng	0.00
78) Terphenyl-d14	13.01	244	1041608	84.42	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	110490	15.28	ng	# 81
25) Isophorone	7.47	82	829308	51.94	ng	# 64
32) Benzoic acid	7.87	122	108	9.39	ng	# 1
47) 2-Nitroaniline	9.26	65	2242	3.36	ng	# 8
50) 2,6-Dinitrotoluene	9.94	165	26066	8.73	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	26066	6.92	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	372	8.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	15462	4.72	ng	# 1

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

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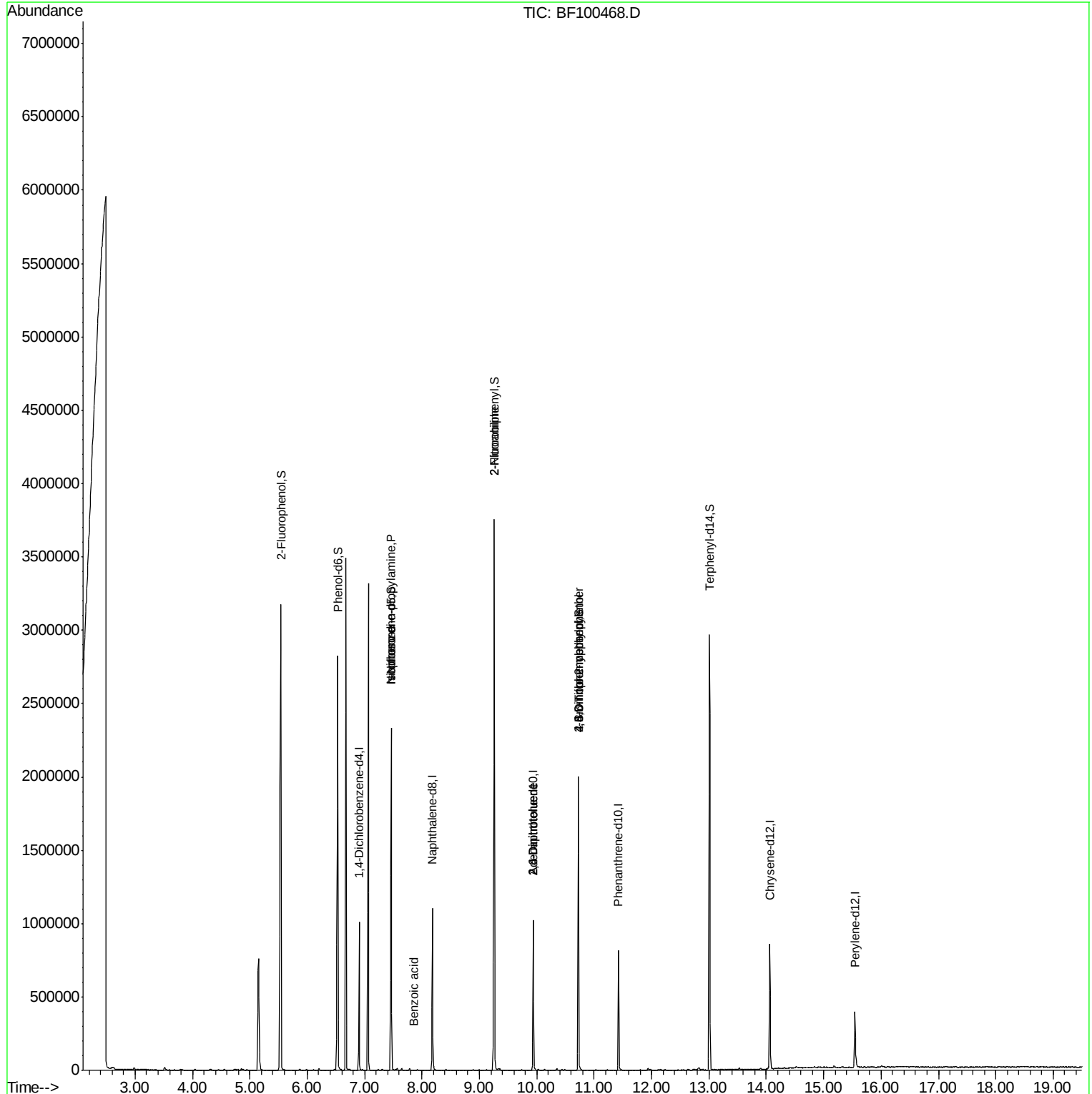
Quant Time: Nov 13 04:44:53 2017

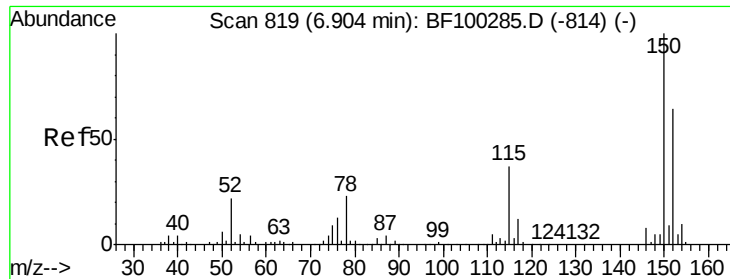
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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QLast Update : Fri Nov 10 15:44:40 2017

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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BNA_F

ClientSampleId :

3091-4235

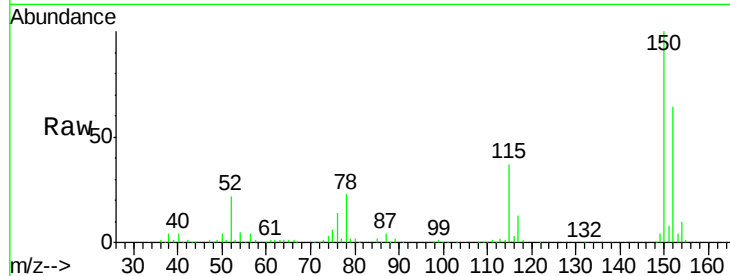
Tgt Ion:152 Resp: 135554

Ion Ratio Lower Upper

152 100

150 155.6 124.6 186.8

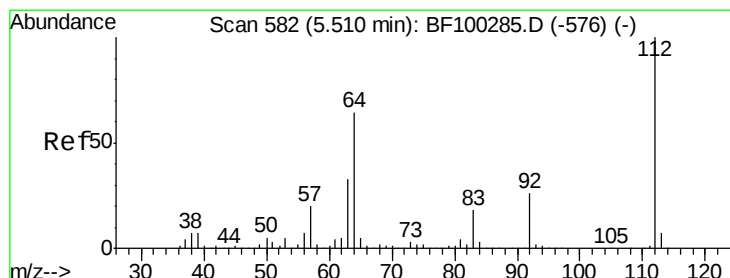
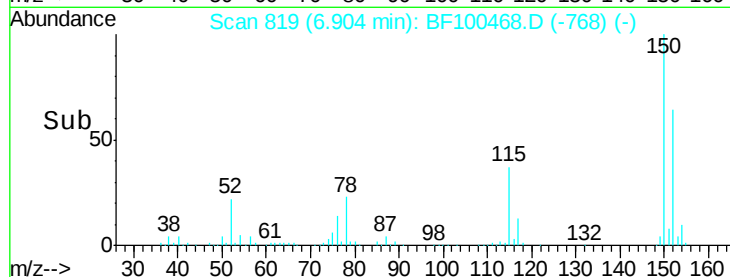
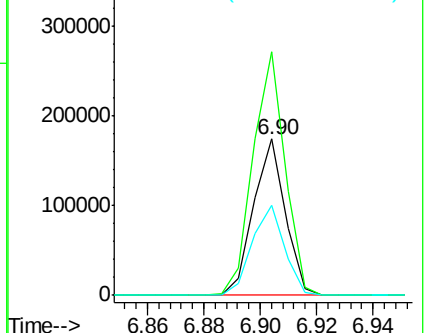
115 57.8 50.1 75.1



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: 117.26 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.02 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

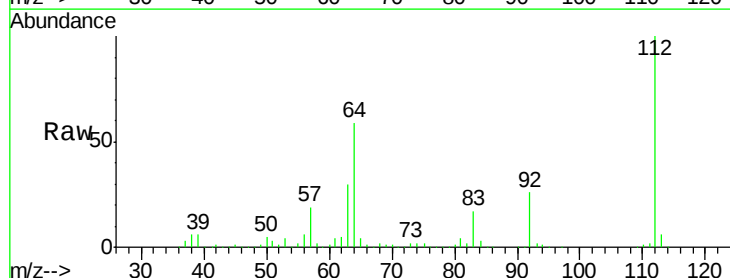
Tgt Ion:112 Resp: 991552

Ion Ratio Lower Upper

112 100

64 58.7 47.9 71.9

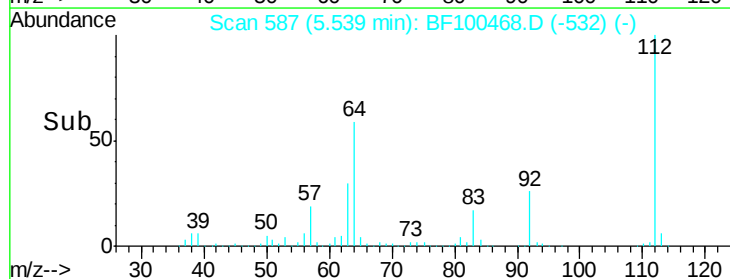
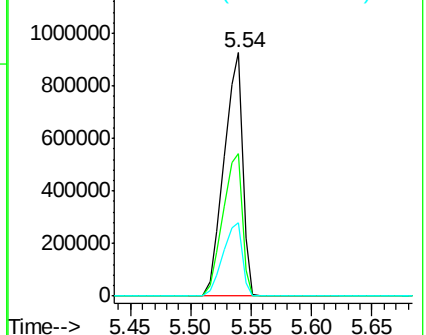
63 30.2 23.7 35.5

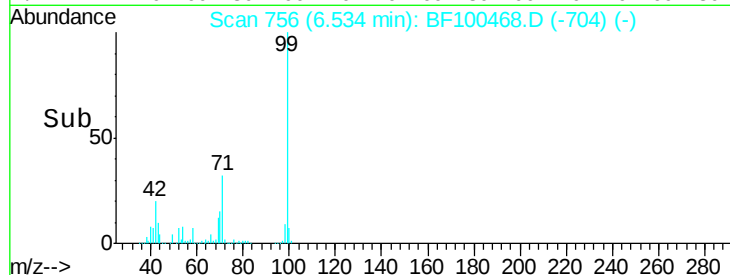
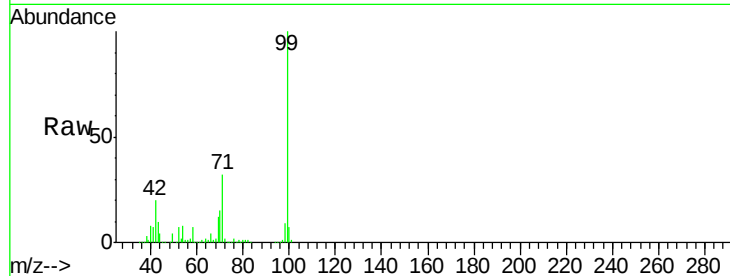
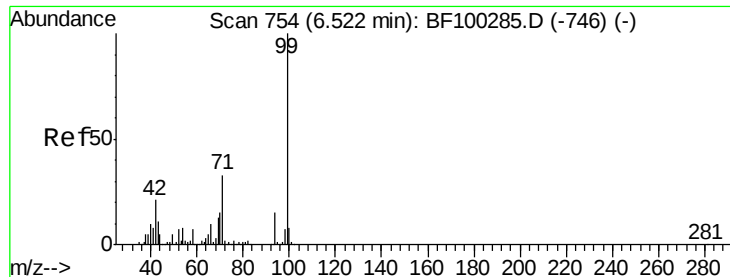


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.59 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

Instrument :

BNA_F

ClientSampleId :

3091-4235

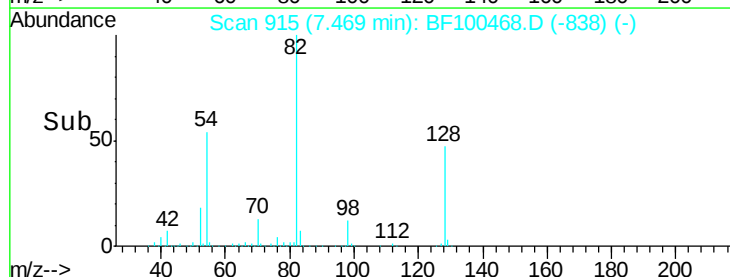
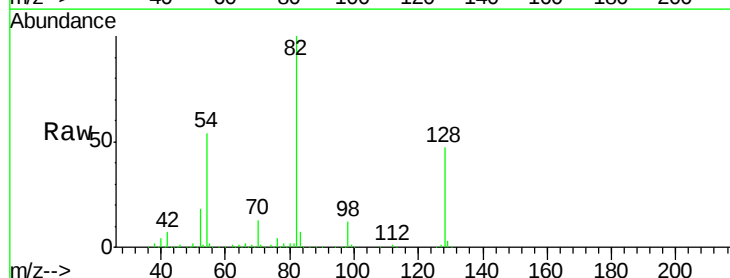
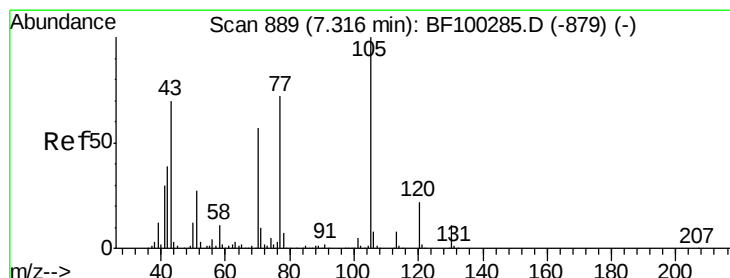
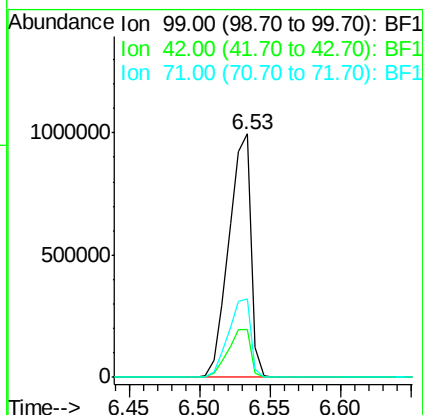
Tgt Ion: 99 Resp: 1080192

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.28 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

Tgt Ion: 70 Resp: 110490

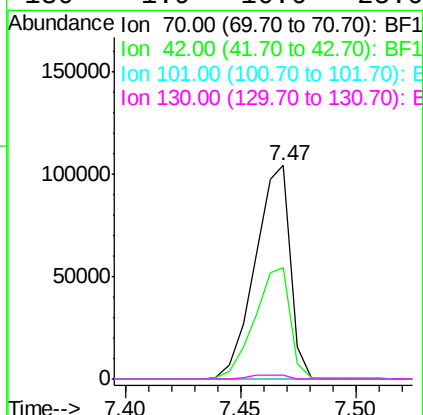
Ion Ratio Lower Upper

70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

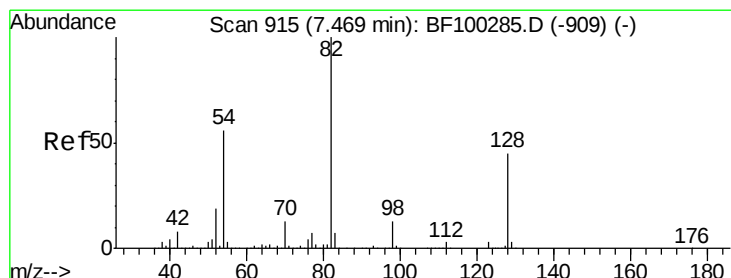
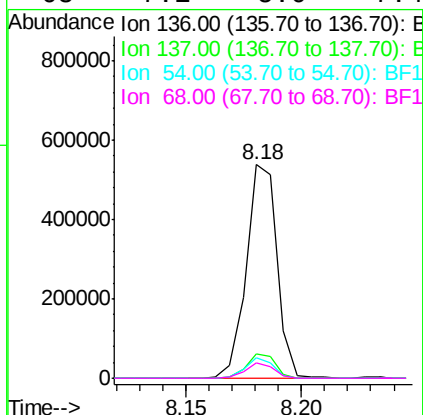
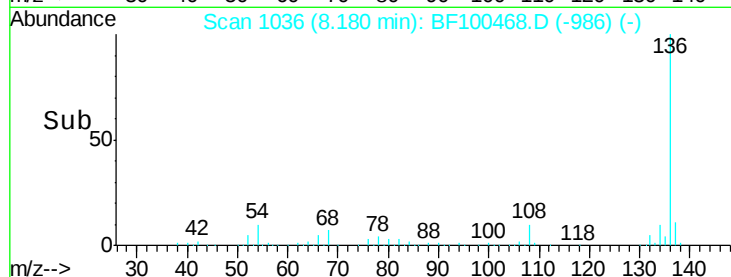
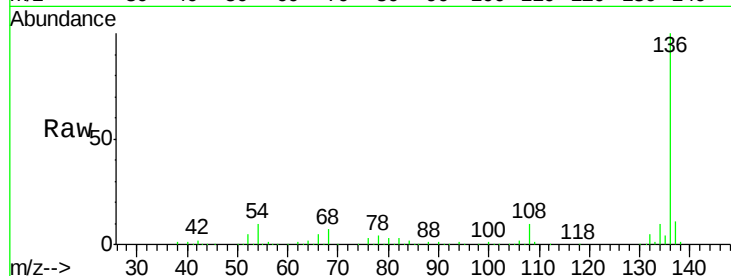




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100468.D
Acq: 12 Nov 2017 4:50

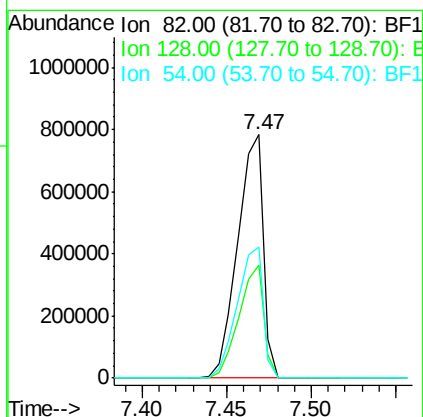
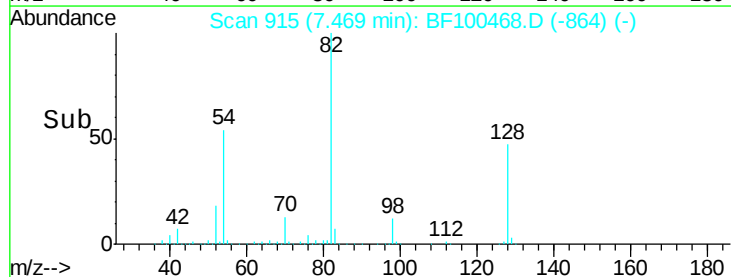
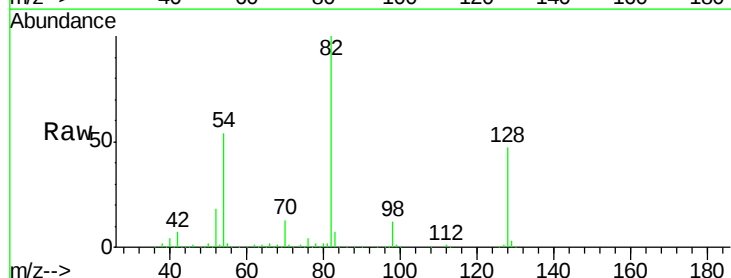
Instrument :
BNA_F
ClientSampleId :
3091-4235

Tgt Ion:	136	Resp:	502362
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.8	6.6	9.8
68	7.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 109.14 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF100468.D
Acq: 12 Nov 2017 4:50

Tgt Ion:	82	Resp:	829319
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	54.0	41.4	62.2





#25

Isophorone

Concen: 51.94 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.26 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

Instrument :

BNA_F

ClientSampleId :

3091-4235

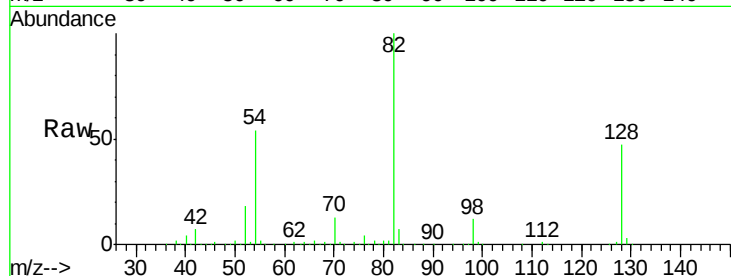
Tgt Ion: 82 Resp: 829308

Ion Ratio Lower Upper

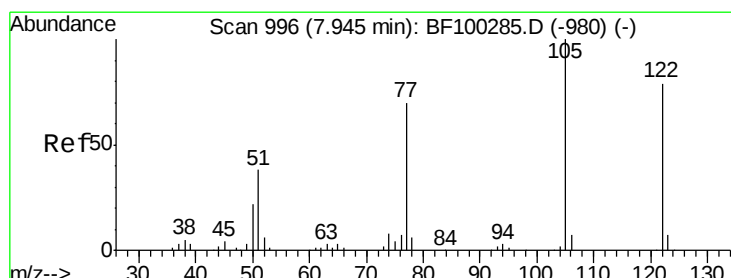
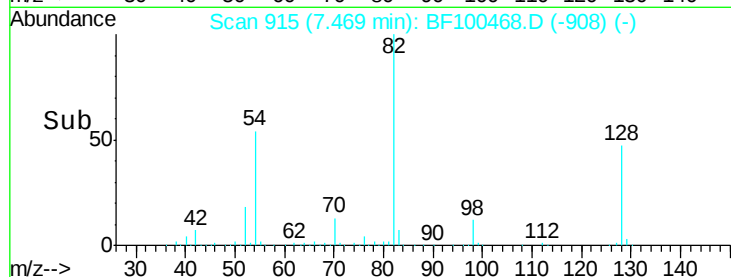
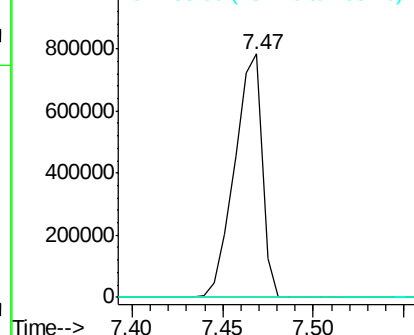
82 100

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: 9.39 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.08 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

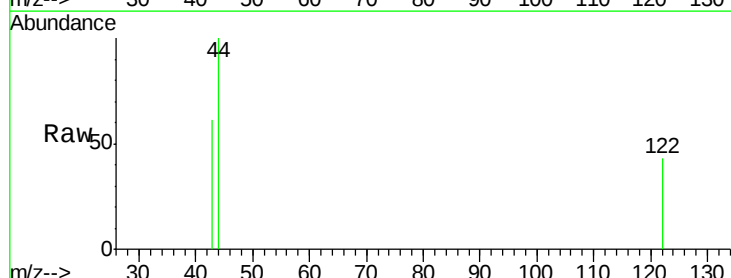
Tgt Ion: 122 Resp: 108

Ion Ratio Lower Upper

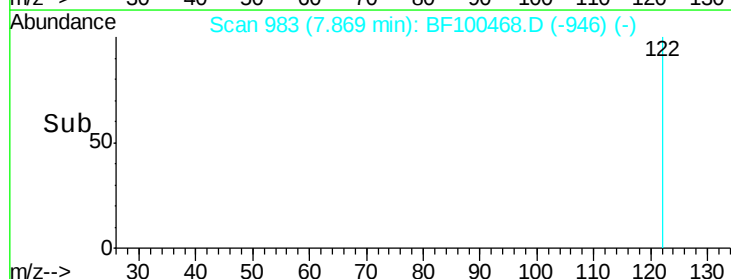
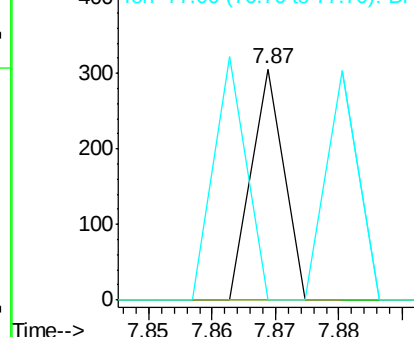
122 100

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

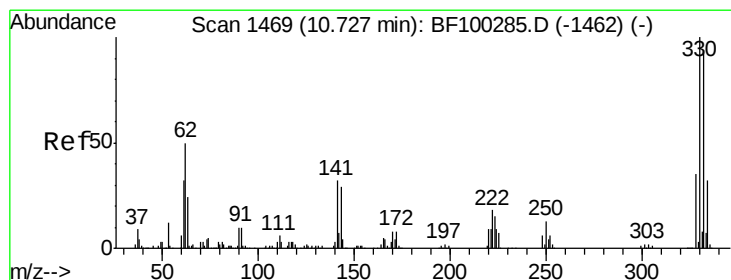
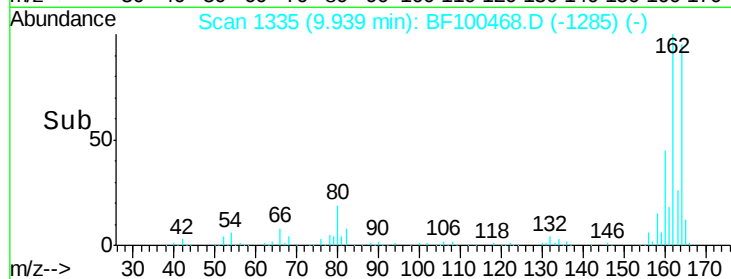
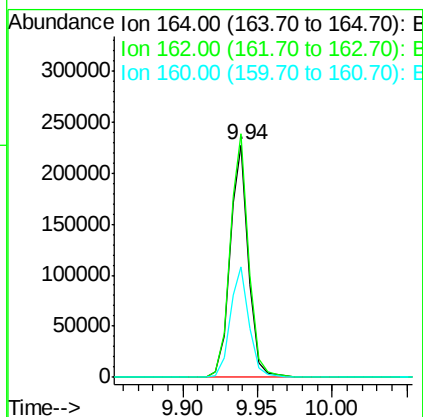
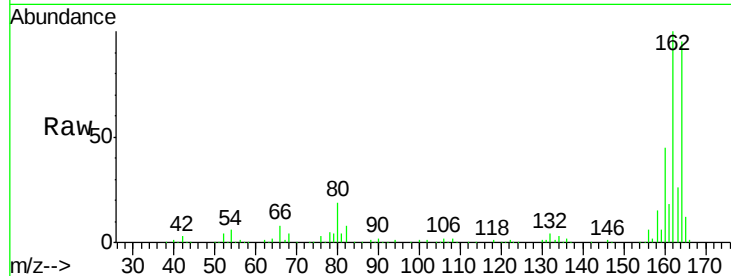




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

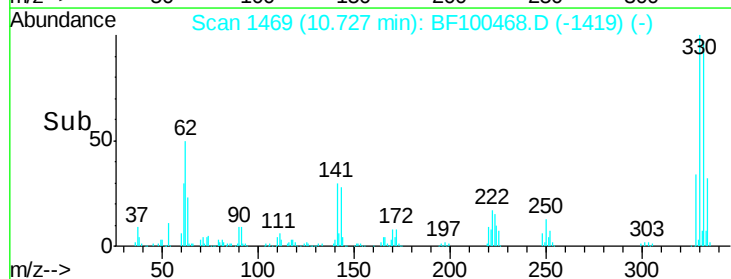
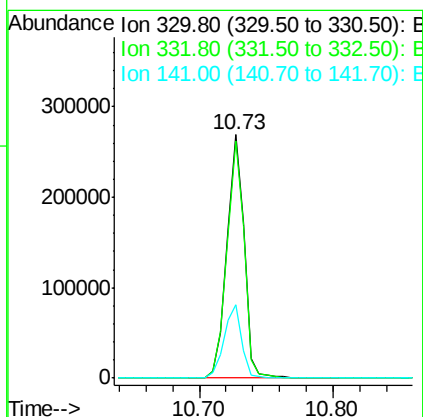
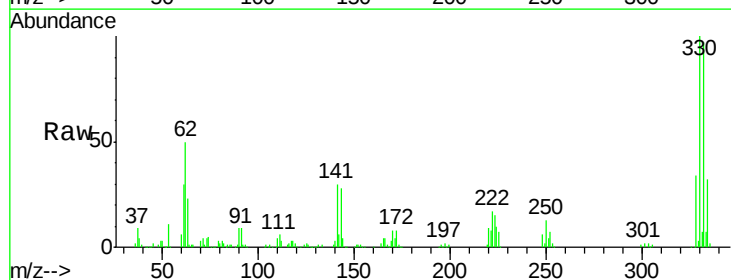
Instrument :
 BNA_F
 ClientSampleId :
 3091-4235

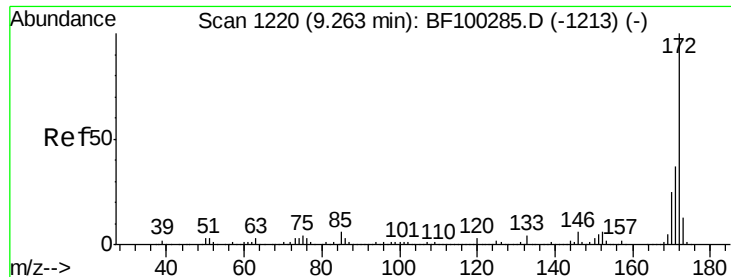
Tgt Ion:164 Resp: 197512
 Ion Ratio Lower Upper
 164 100
 162 104.9 86.1 129.1
 160 47.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 123.70 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

Tgt Ion:330 Resp: 248961
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 30.8 29.9 44.9

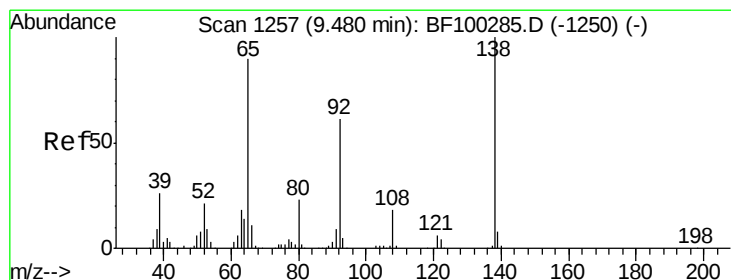
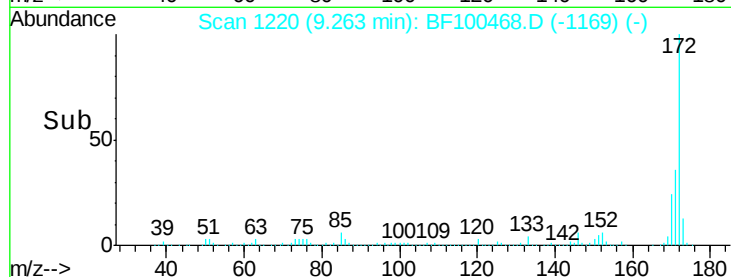
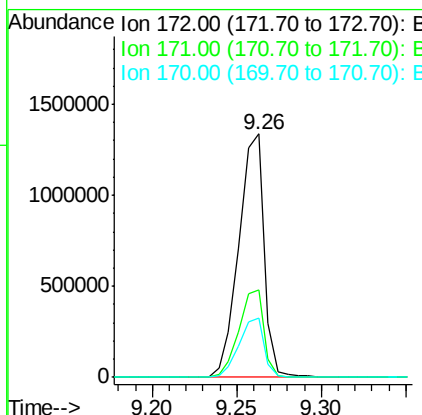
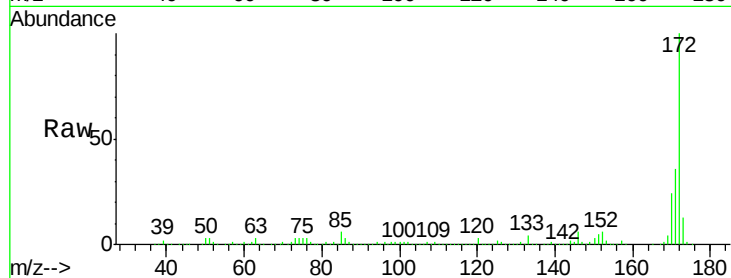




#44
 2-Fluorobiphenyl
 Concen: 107.89 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

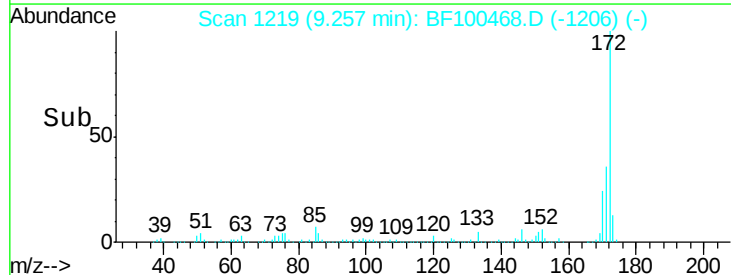
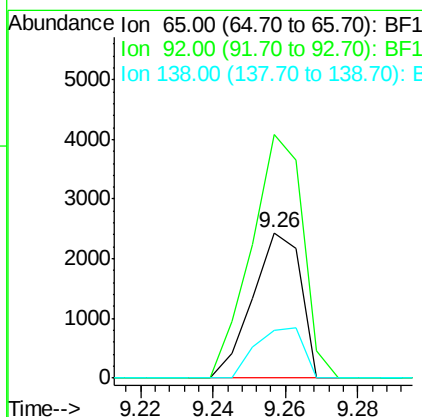
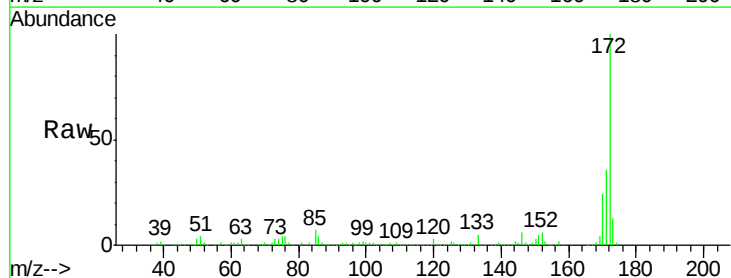
Instrument :
 BNA_F
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 3091-4235

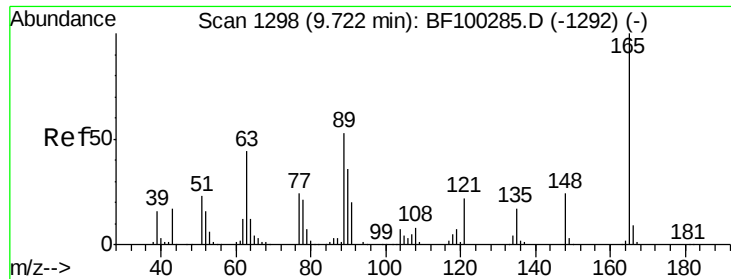
Tgt Ion: 172 Resp: 1399408
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.36 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.22 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

Tgt Ion: 65 Resp: 2242
 Ion Ratio Lower Upper
 65 100
 92 167.5 55.8 83.6#
 138 33.0 91.2 136.8#

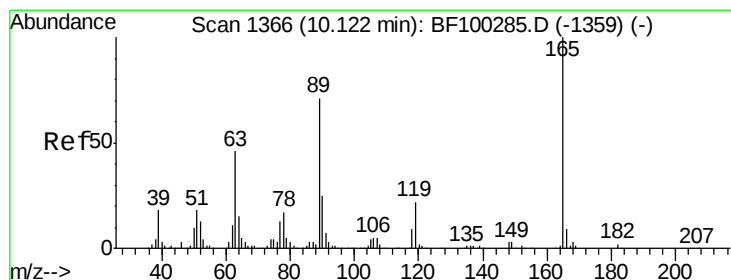
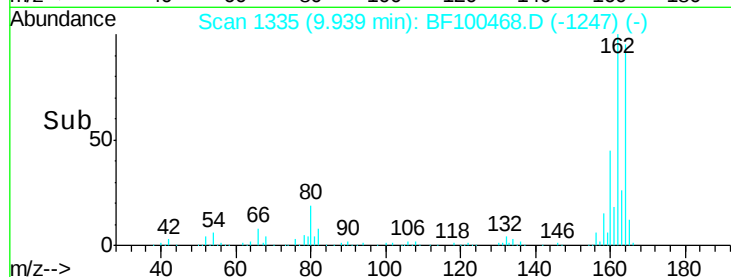
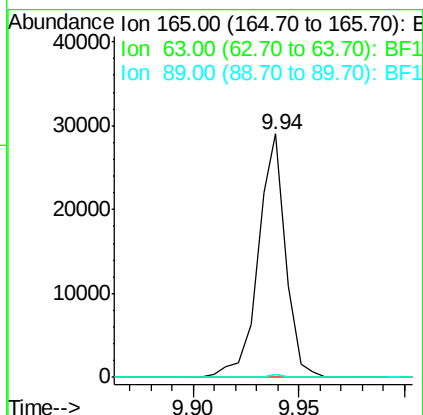
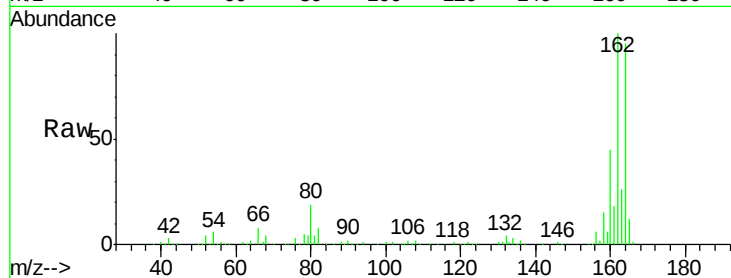




#50
 2,6-Dinitrotoluene
 Concen: 8.73 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

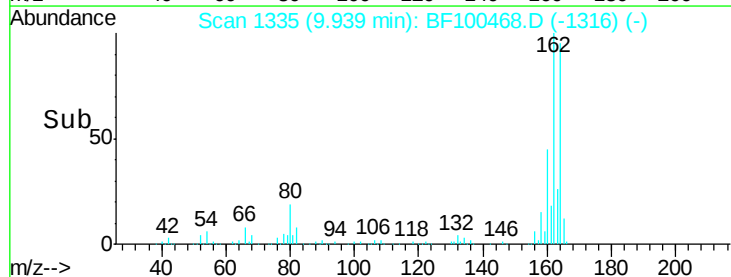
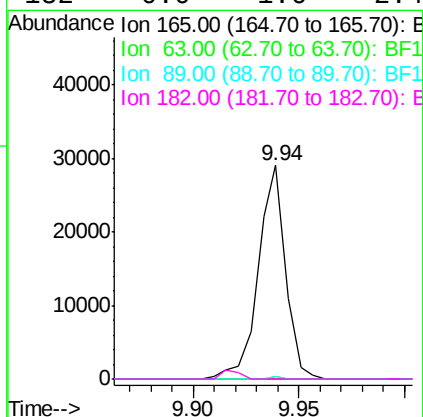
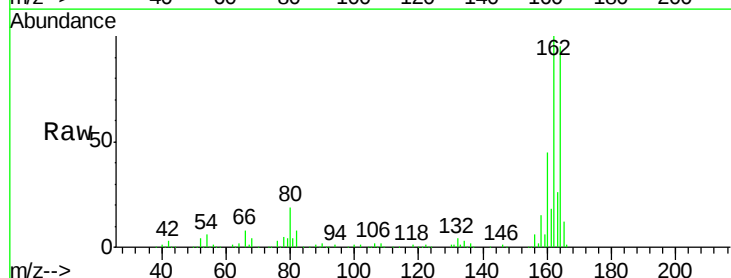
Instrument :
 BNA_F
 ClientSampleId :
 3091-4235

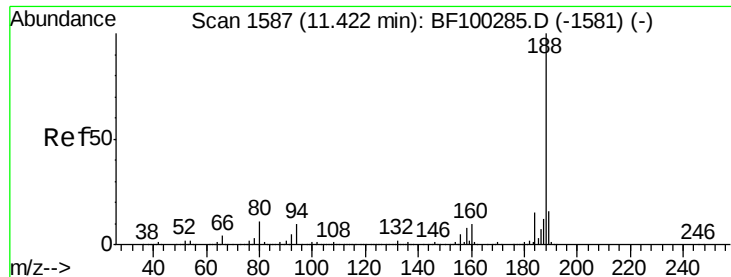
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.92 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100468.D
 Acq: 12 Nov 2017 4:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

Instrument :

BNA_F

ClientSampleId :

3091-4235

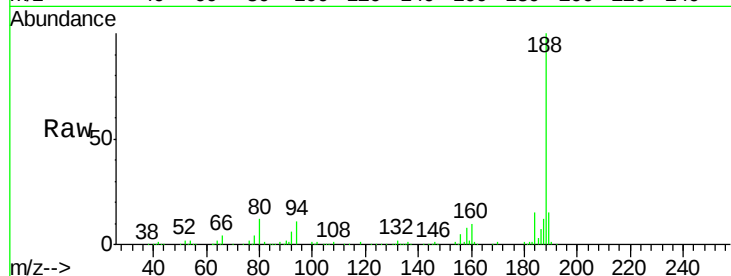
Tgt Ion:188 Resp: 305290

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

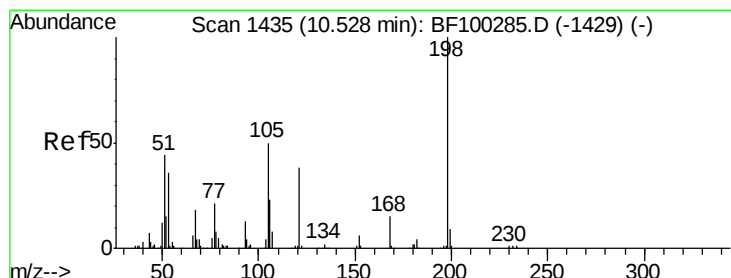
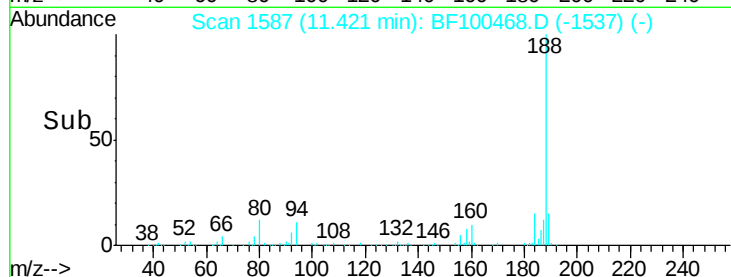
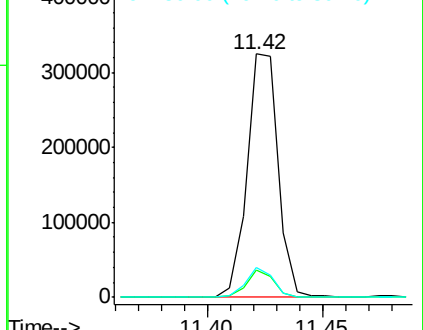
80 12.4 9.2 13.8



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: 8.77 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

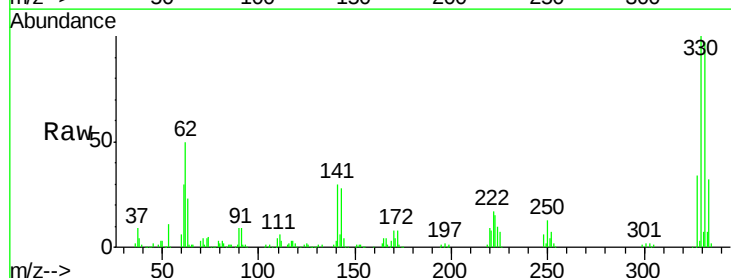
Tgt Ion:198 Resp: 372

Ion Ratio Lower Upper

198 100

51 205.8 37.7 77.7#

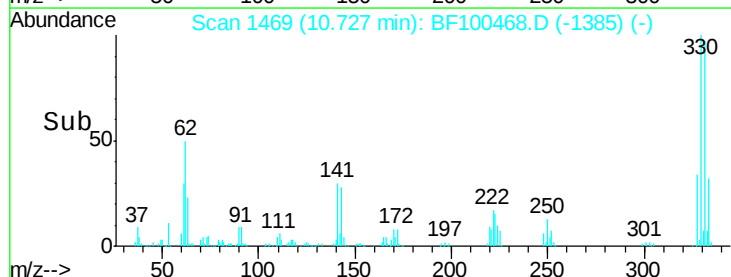
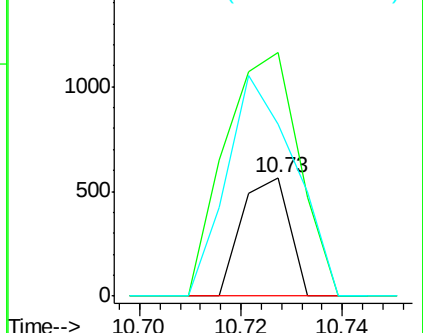
105 145.1 36.3 76.3#

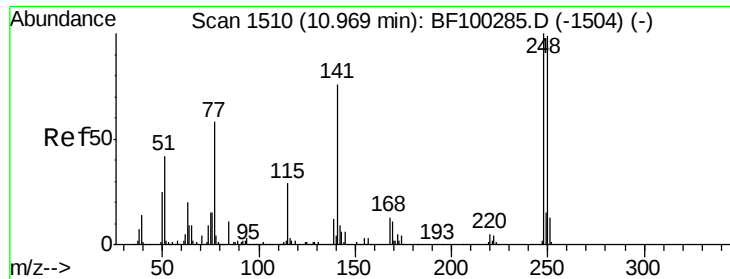


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

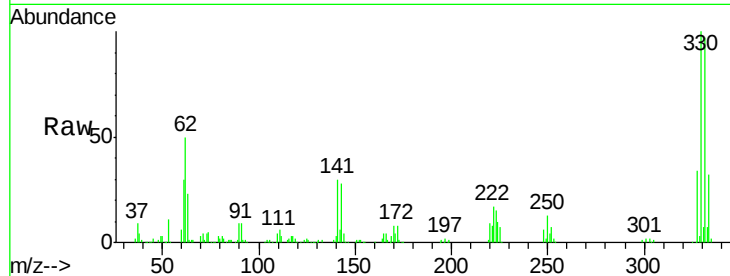




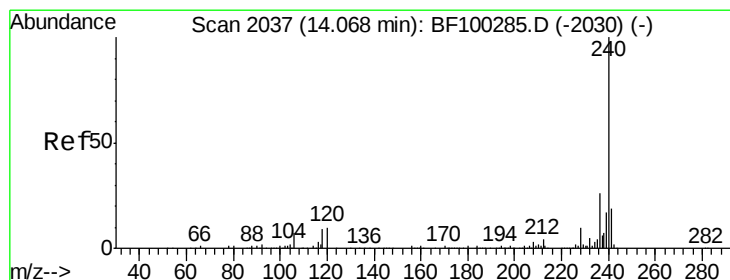
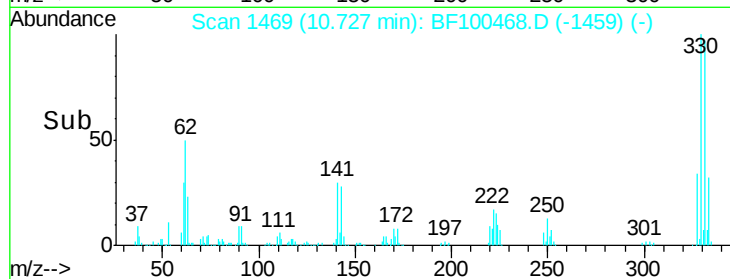
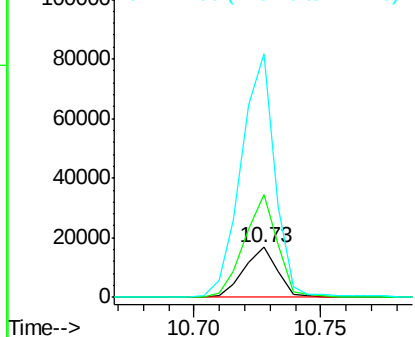
#66
4-Bromophenyl-phenylether
Concen: 4.72 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100468.D
Acq: 12 Nov 2017 4:50

Instrument :
BNA_F
ClientSampled :
3091-4235

Tgt Ion:248 Resp: 15462
Ion Ratio Lower Upper
248 100
250 206.0 76.9 115.3#
141 488.2 74.4 111.6#

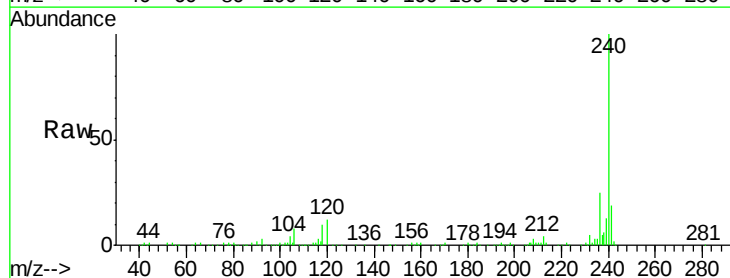


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

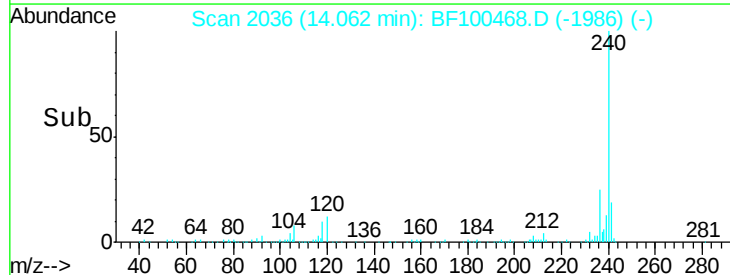
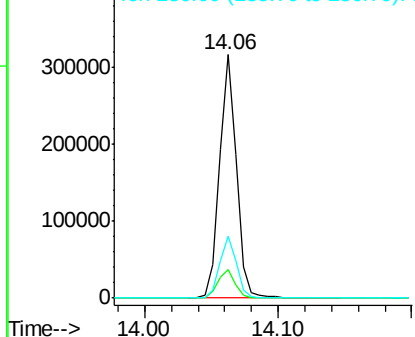


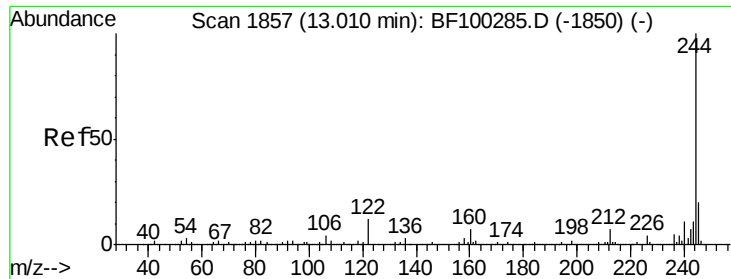
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100468.D
Acq: 12 Nov 2017 4:50

Tgt Ion:240 Resp: 283499
Ion Ratio Lower Upper
240 100
120 11.7 9.5 14.3
236 25.4 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





#78

Terphenyl-d14

Concen: 84.42 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

Instrument :

BNA_F

ClientSampleId :

3091-4235

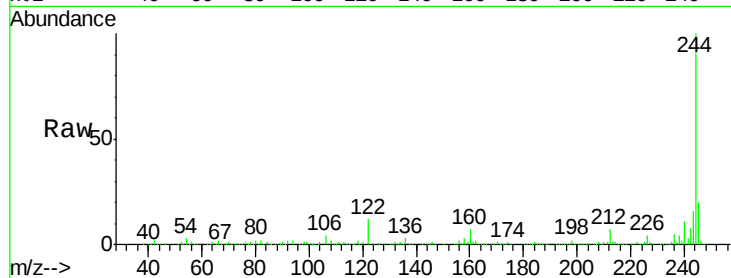
Tgt Ion:244 Resp: 1041608

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

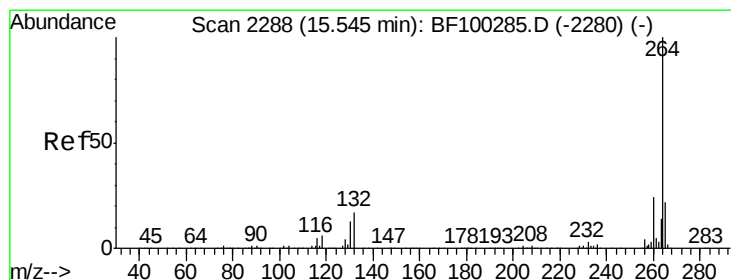
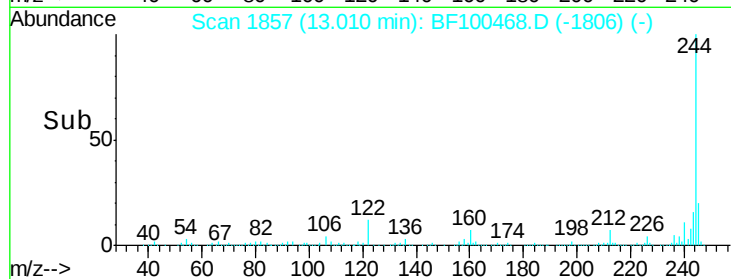
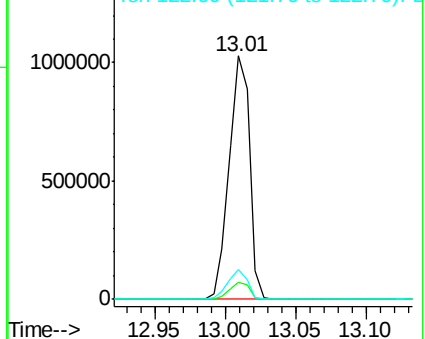
122 12.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BF100468.D

Acq: 12 Nov 2017 4:50

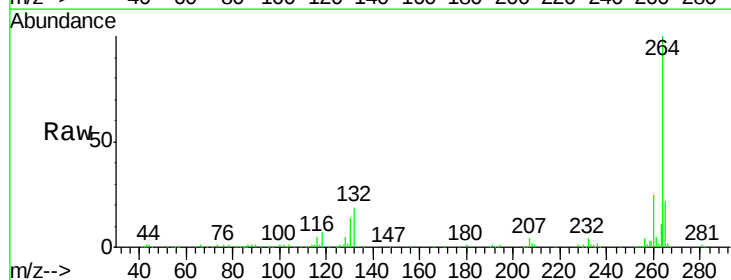
Tgt Ion:264 Resp: 195844

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.8 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

