

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
 Data File : BF084299.D
 Acq On : 6 Jan 2016 19:43
 Operator : SJ/UM
 Sample : H1017-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-20

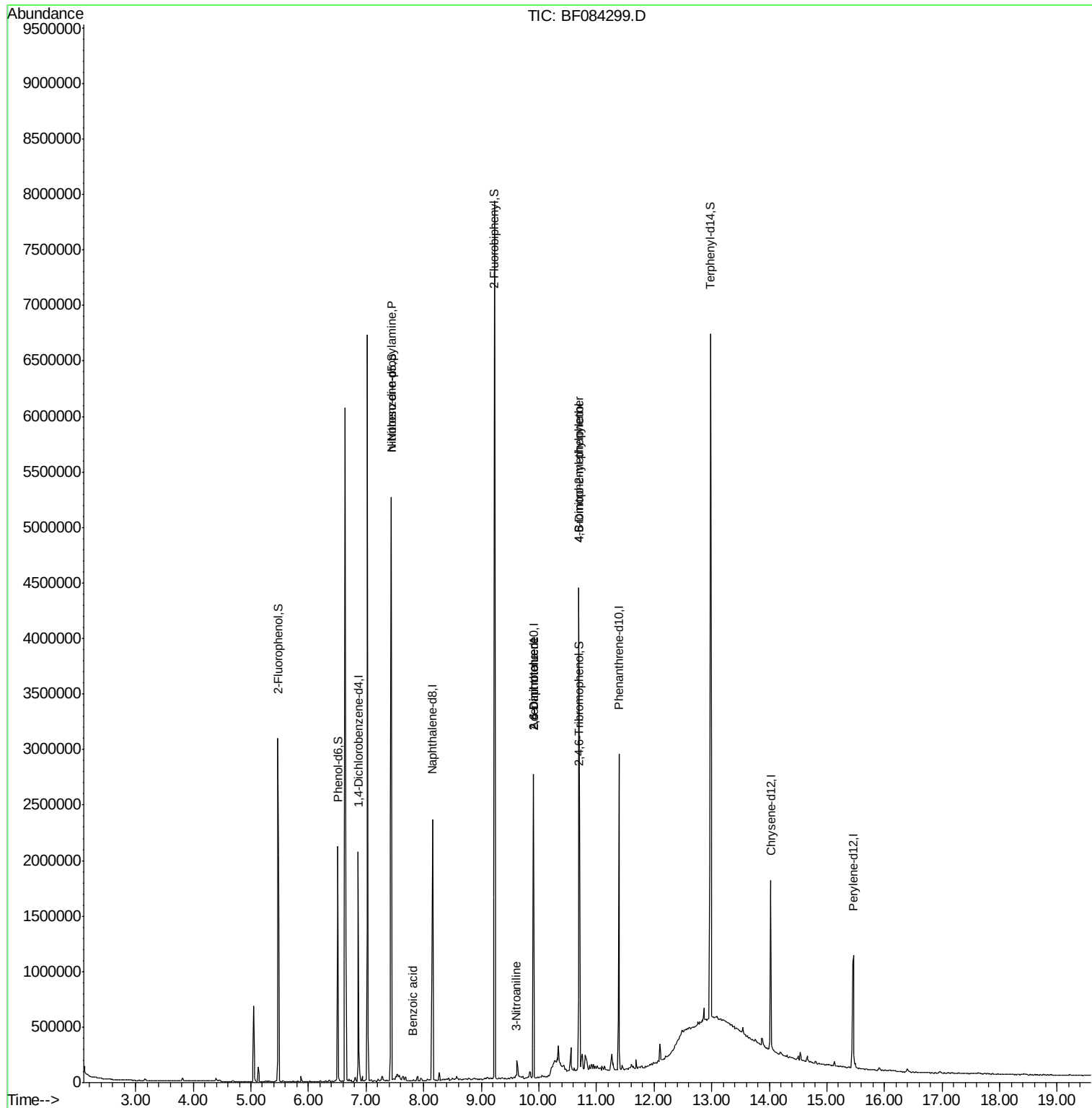
Quant Time: Jan 07 00:14:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

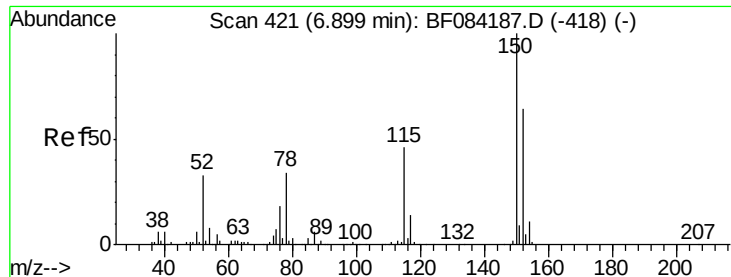
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	267264	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1113647	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	500887	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	924094	20.00	ng	-0.03
75) Chrysene-d12	14.03	240	774418	20.00	ng	-0.03
86) Perylene-d12	15.46	264	582436	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1051048	63.61	ng	-0.02
7) Phenol-d6	6.51	99	919220	44.29	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1756125	87.76	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	667258	131.95	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2502984	88.14	ng	-0.03
78) Terphenyl-d14	12.98	244	2233926	64.39	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	258526	18.40	ng	# 70
32) Benzoic acid	7.81	122	450	6.28	ng	# 29
50) 2,6-Dinitrotoluene	9.90	165	63681	8.11	ng	# 38
52) 3-Nitroaniline	9.61	138	19554	2.01	ng	# 1
54) Dibenzofuran	10.11	168	387	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.90	165	63684	6.41	ng	# 22
57) Fluorene	10.45	166	1441	Below Cal		# 74
64) 4,6-Dinitro-2-methylphenol	10.69	198	1499	6.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	39441	3.97	ng	# 1
73) Di-n-butylphthalate	11.96	149	4090	Below Cal		# 79

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\  
Data File : BF084299.D  
Acq On    : 6 Jan 2016 19:43  
Operator  : SJ/UM  
Sample    : H1017-03  
Misc      :  
ALS Vial  : 21 Sample Multiplier: 1
```

Quant Time: Jan 07 00:14:45 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampleId :

W-20

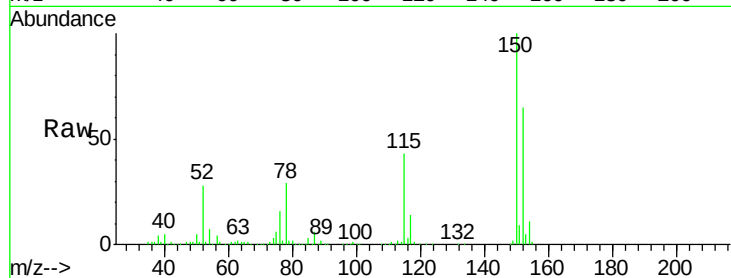
Tgt Ion:152 Resp: 267264

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

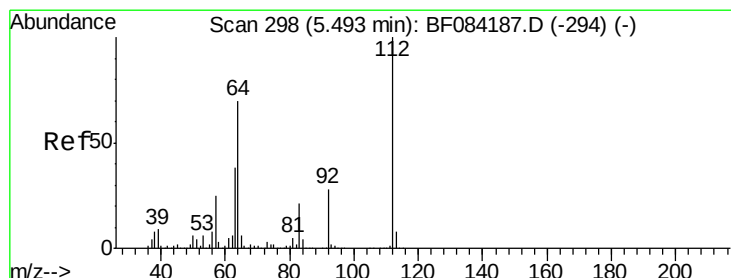
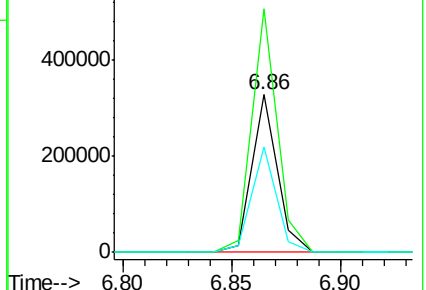
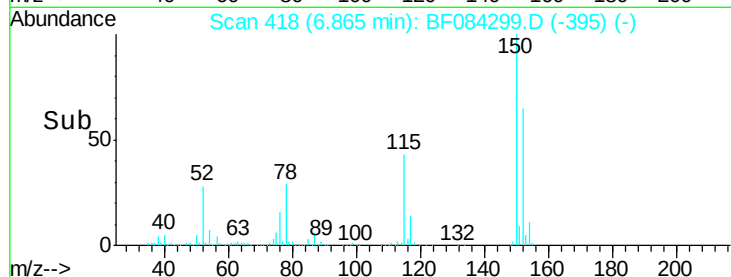
115 66.9 51.4 77.2



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: 63.61 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

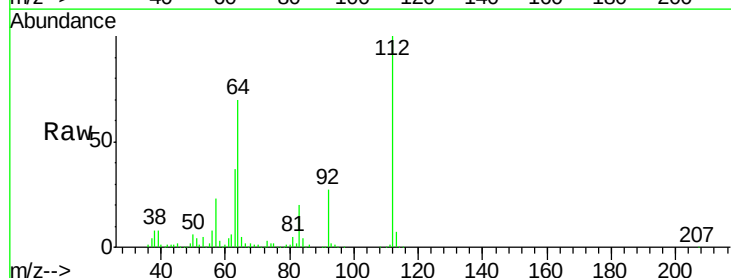
Tgt Ion:112 Resp: 1051048

Ion Ratio Lower Upper

112 100

64 70.2 36.6 55.0#

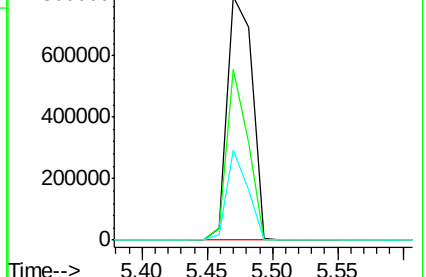
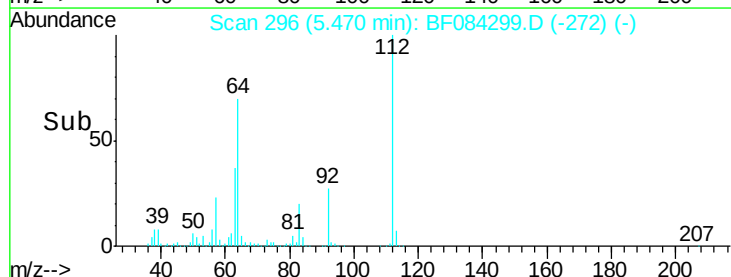
63 36.7 19.4 29.0#

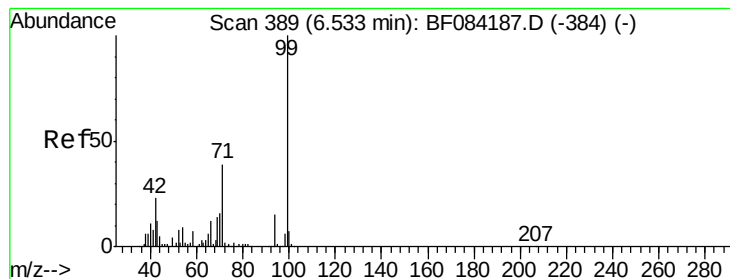


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.29 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampleId :

W-20

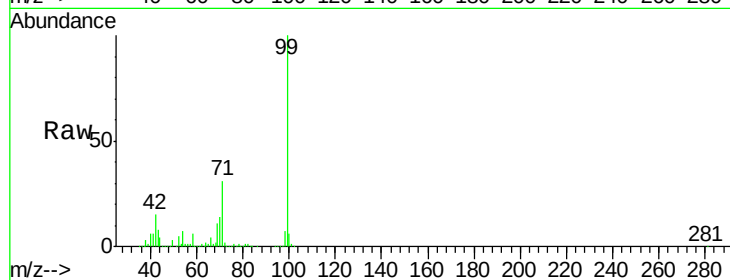
Tgt Ion: 99 Resp: 919220

Ion Ratio Lower Upper

99 100

42 15.3 12.8 19.2

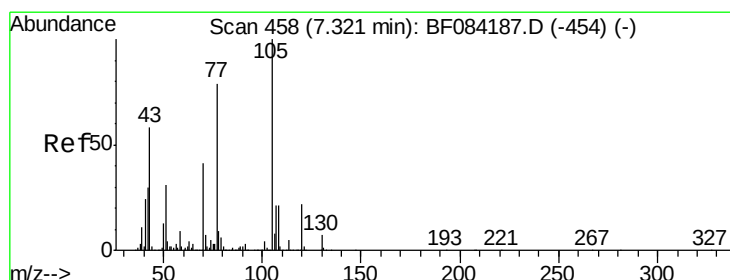
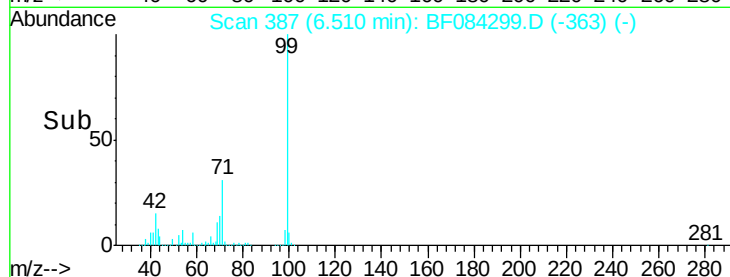
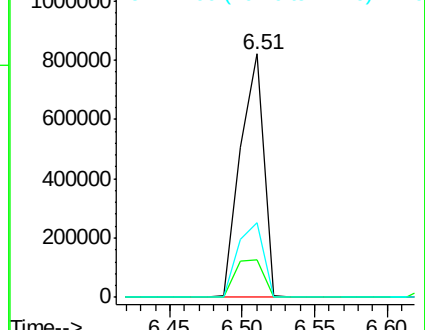
71 30.8 30.9 46.3#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.40 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Tgt Ion: 70 Resp: 258526

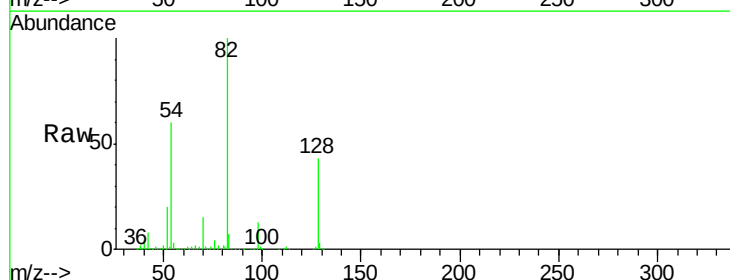
Ion Ratio Lower Upper

70 100

42 50.6 33.3 49.9#

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

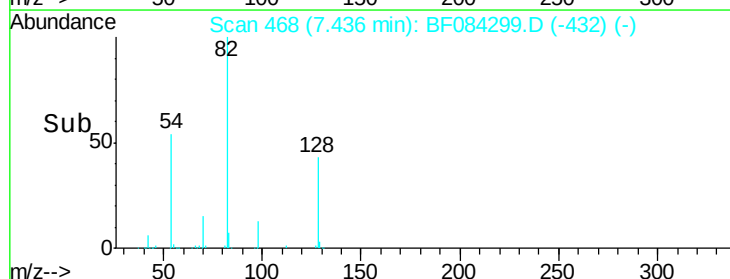
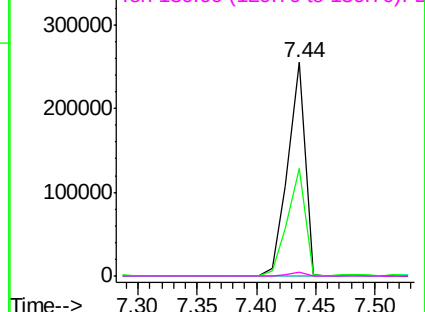


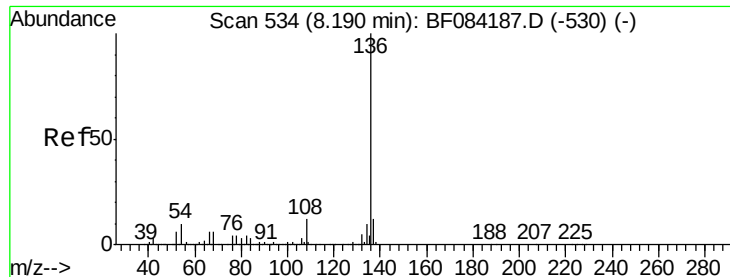
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

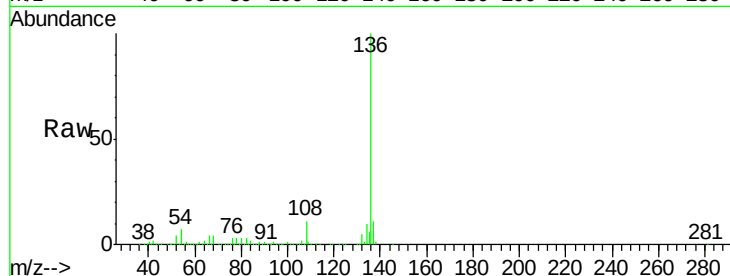




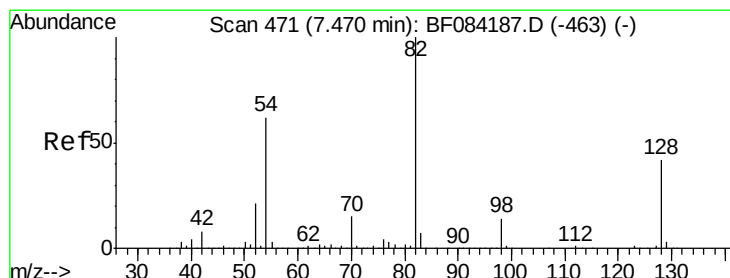
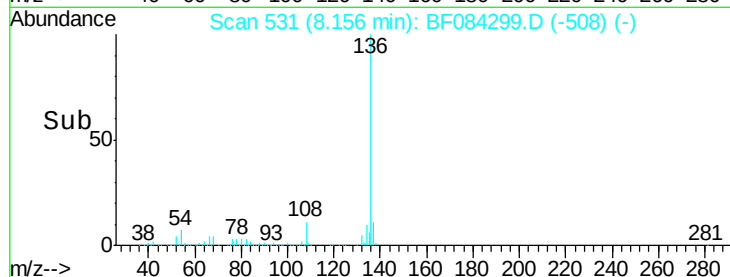
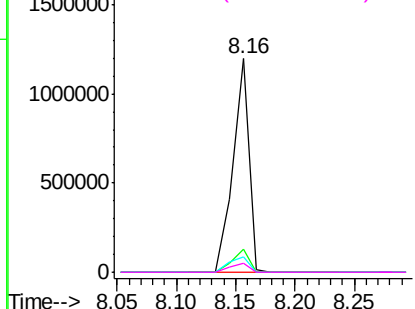
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF084299.D
Acq: 6 Jan 2016 19:43

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion:	136	Resp:	1113647
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.2	5.8	8.8
68	4.5	4.2	6.2

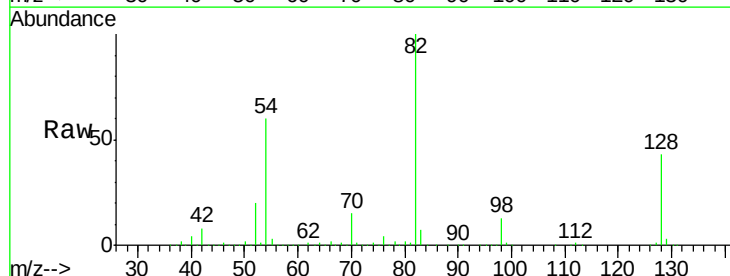


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

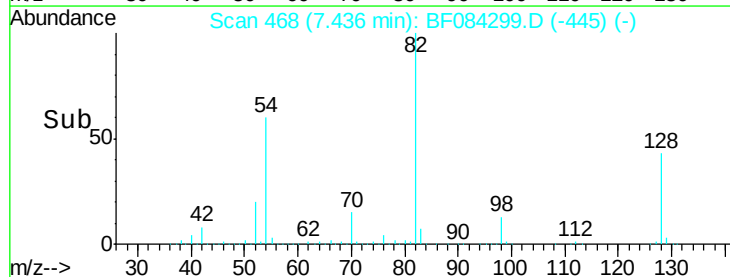
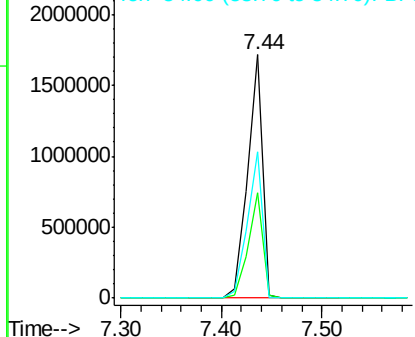


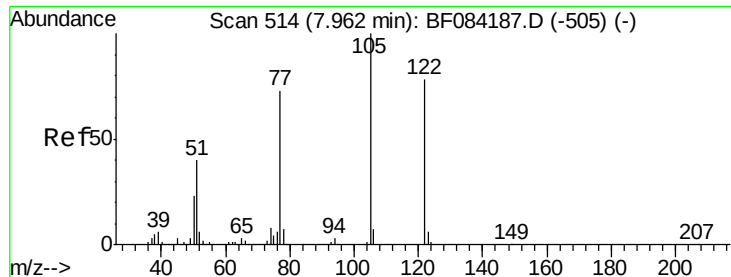
#23
Nitrobenzene-d5
Concen: 87.76 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.03 min
Lab File: BF084299.D
Acq: 6 Jan 2016 19:43

Tgt Ion:	82	Resp:	1756125
Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	51.8
54	60.0	38.4	57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.28 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.15 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampled :

W-20

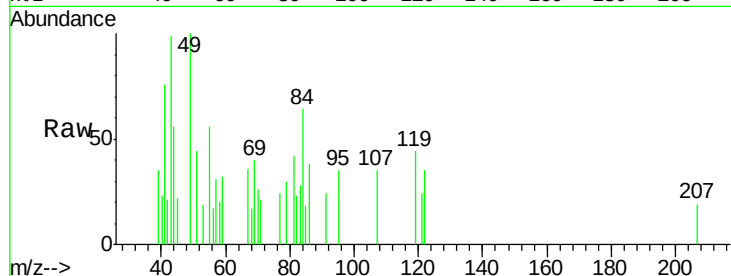
Tgt Ion:122 Resp: 450

Ion Ratio Lower Upper

122 100

105 0.0 100.3 140.3#

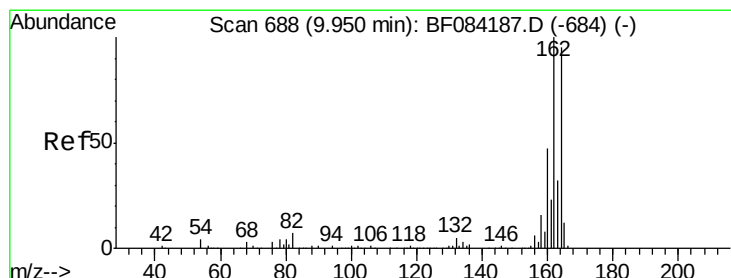
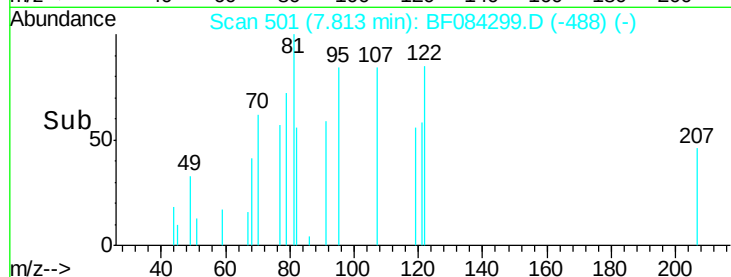
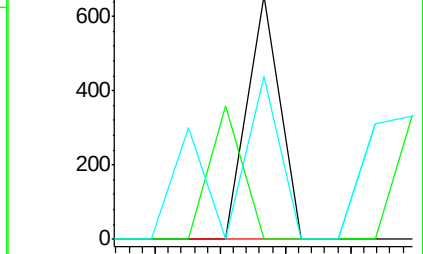
77 66.8 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

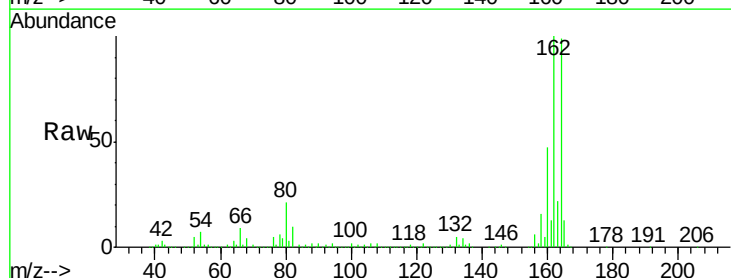
Tgt Ion:164 Resp: 500887

Ion Ratio Lower Upper

164 100

162 101.4 85.1 127.7

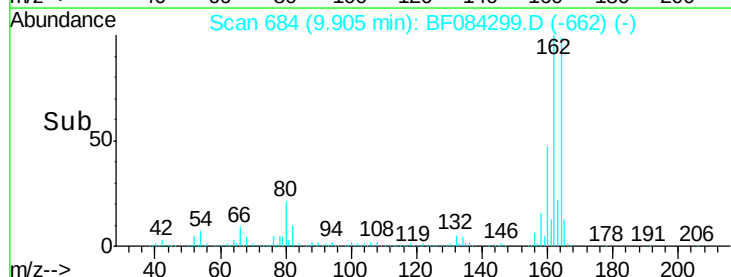
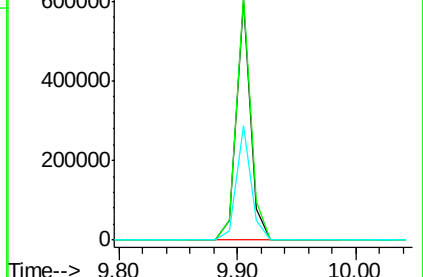
160 47.7 37.5 56.3

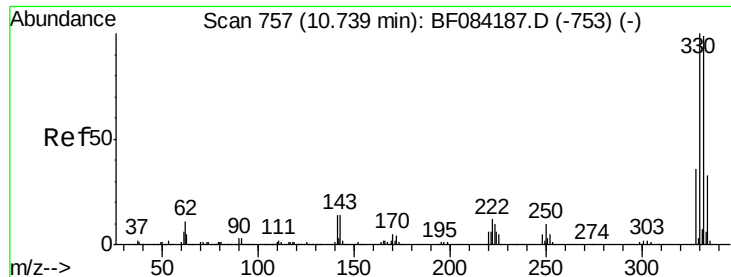


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

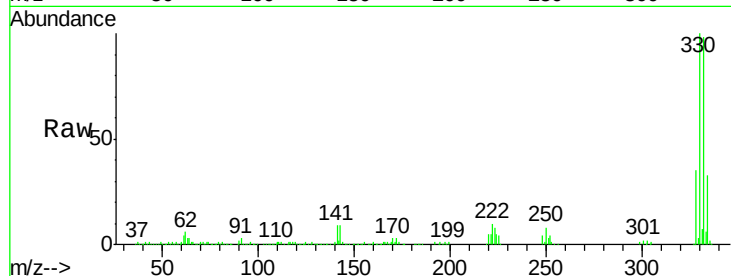




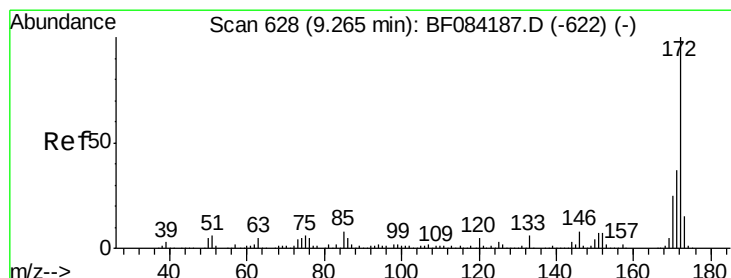
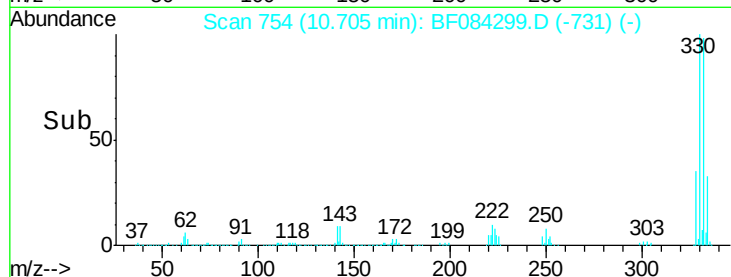
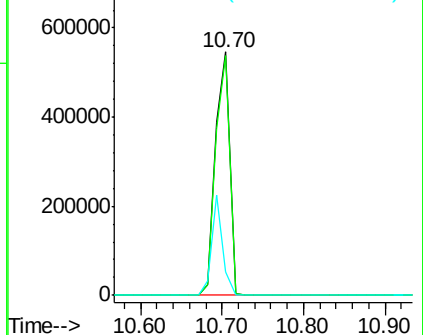
#41
 2,4,6-Tribromophenol
 Concen: 131.95 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.03 min
 Lab File: BF084299.D
 Acq: 6 Jan 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tgt Ion:330 Resp: 667258
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 114.8
 141 32.5 27.8 41.6

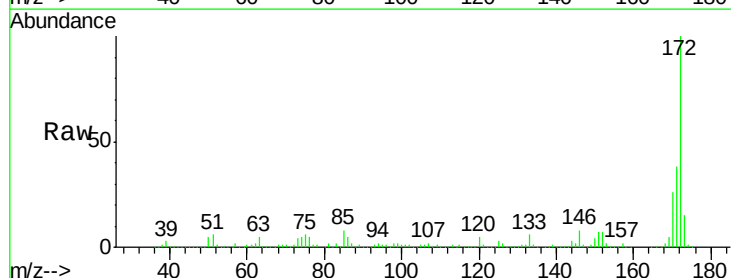


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

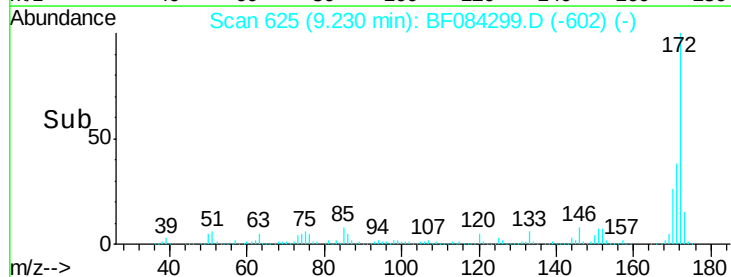
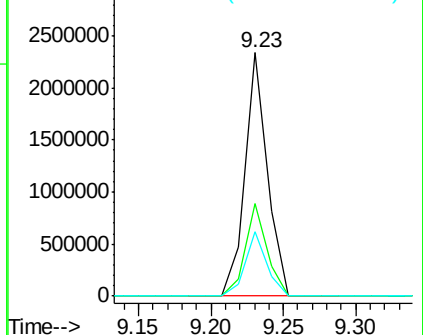


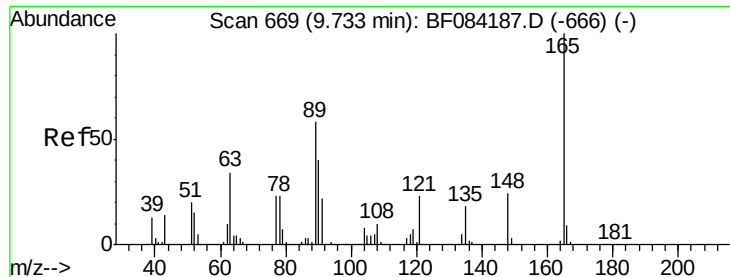
#44
 2-Fluorobiphenyl
 Concen: 88.14 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084299.D
 Acq: 6 Jan 2016 19:43

Tgt Ion:172 Resp: 2502984
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.9 43.3
 170 26.5 18.6 27.8



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

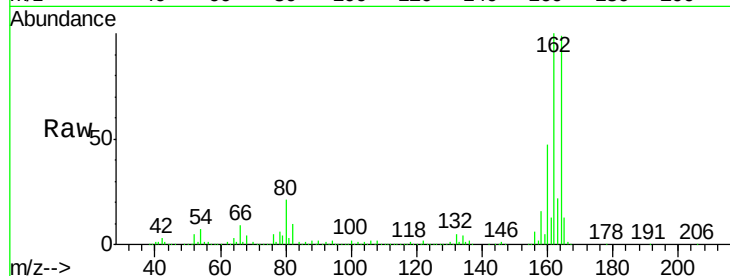




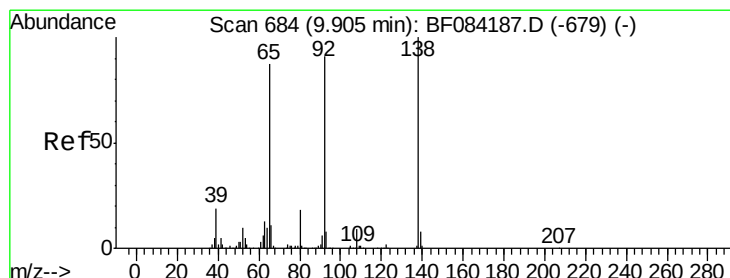
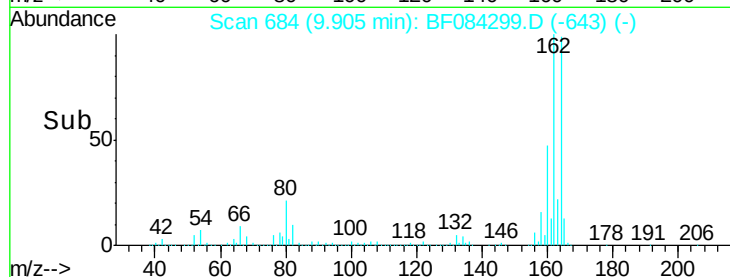
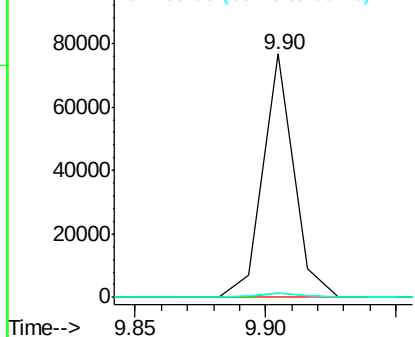
#50
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.17 min
 Lab File: BF084299.D
 Acq: 6 Jan 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tgt Ion:165 Resp: 63681
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.8 43.2#
 89 1.8 35.1 52.7#

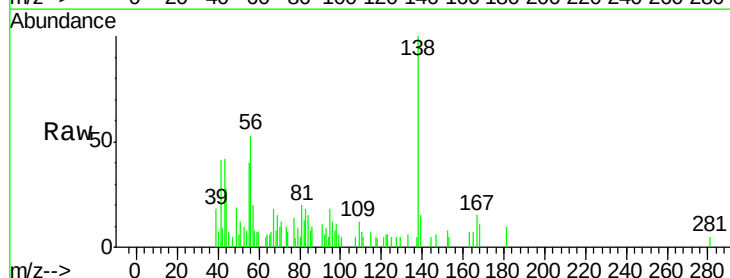


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

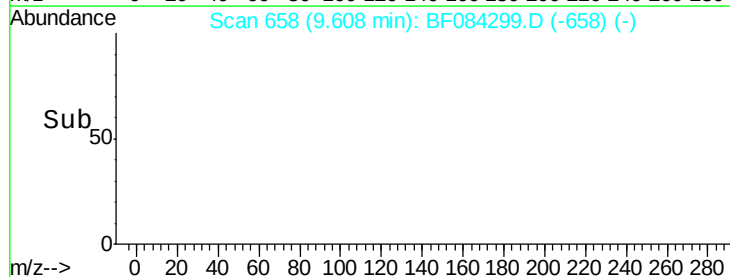
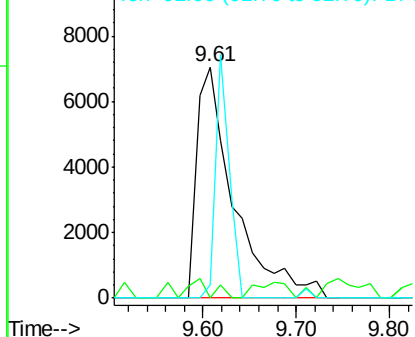


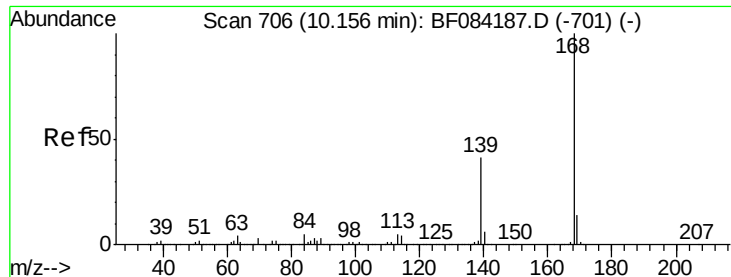
#52
 3-Nitroaniline
 Concen: 2.01 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.30 min
 Lab File: BF084299.D
 Acq: 6 Jan 2016 19:43

Tgt Ion:138 Resp: 19554
 Ion Ratio Lower Upper
 138 100
 108 0.0 10.5 15.7#
 92 5.6 103.9 155.9#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.11 min Scan# 702

Delta R.T. -0.05 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampled :

W-20

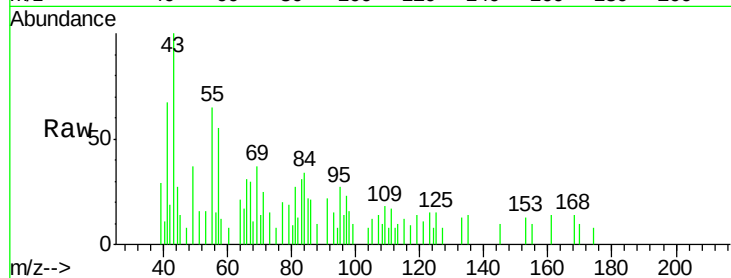
Tgt Ion:168 Resp: 387

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

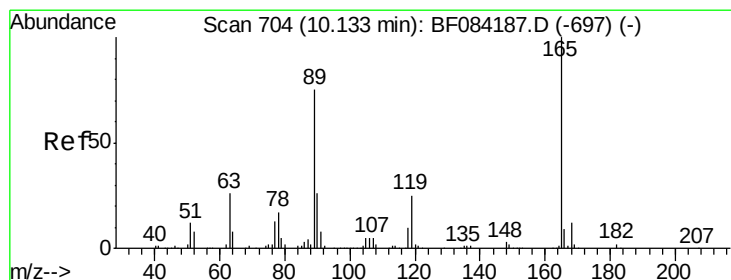
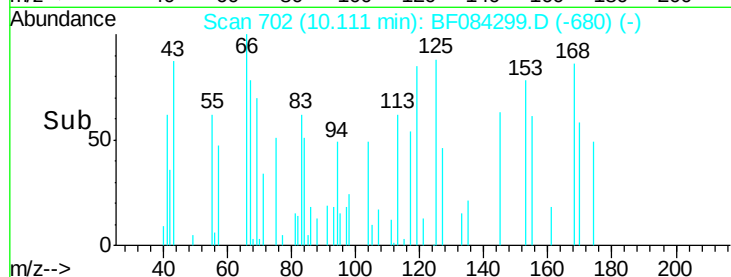
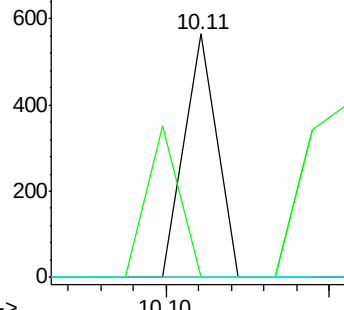
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.41 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.23 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Tgt Ion:165 Resp: 63684

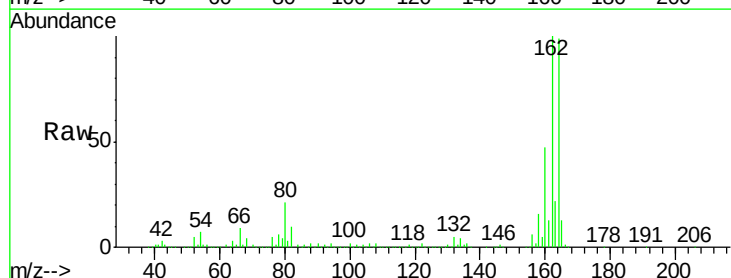
Ion Ratio Lower Upper

165 100

63 1.6 36.7 55.1#

89 1.8 61.9 92.9#

182 0.0 2.0 3.0#

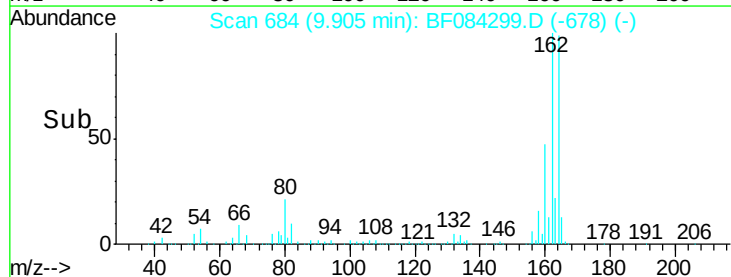
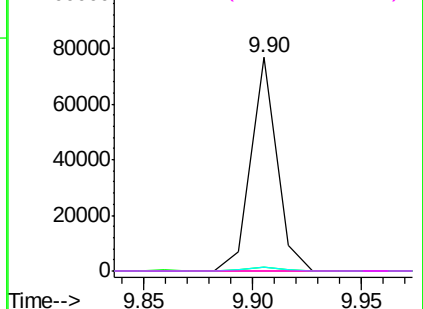


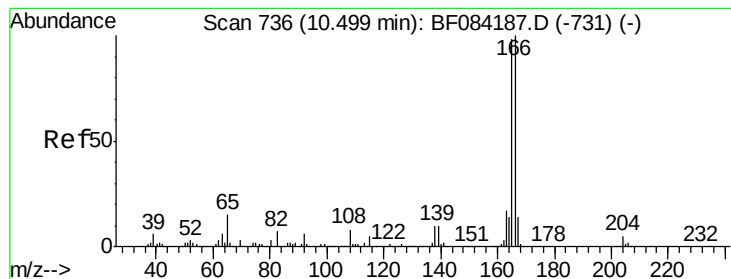
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.04 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampled :

W-20

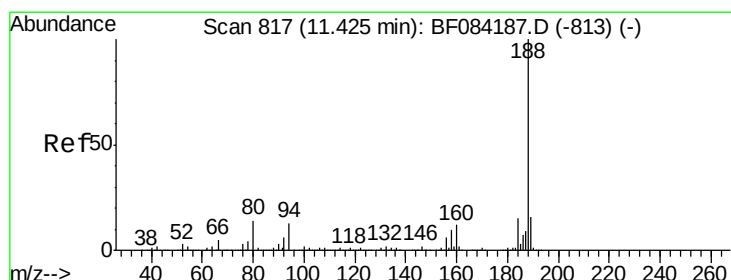
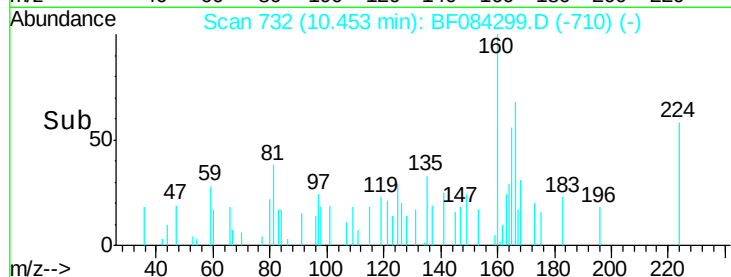
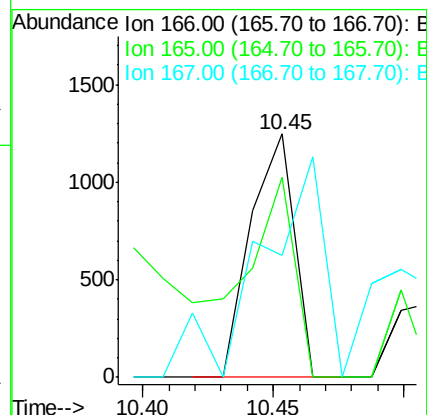
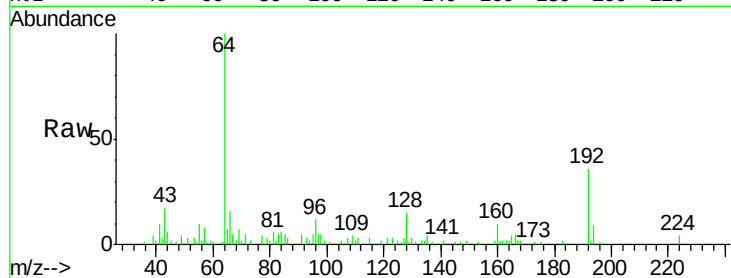
Tgt Ion:166 Resp: 1441

Ion Ratio Lower Upper

166 100

165 82.2 79.1 118.7

167 50.2 10.4 15.6#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.03 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

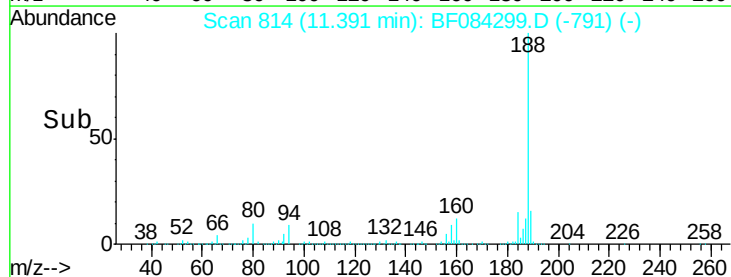
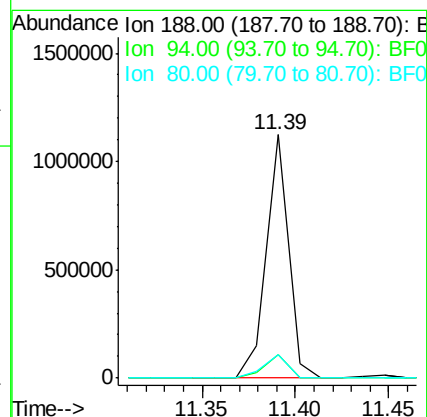
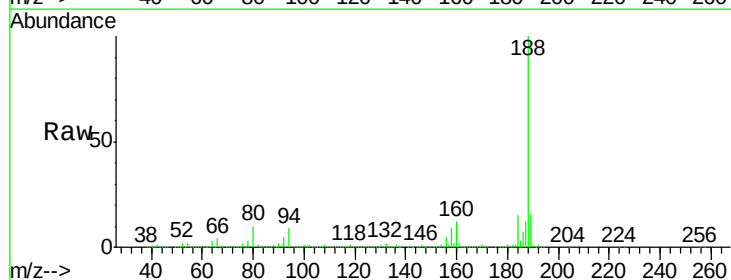
Tgt Ion:188 Resp: 924094

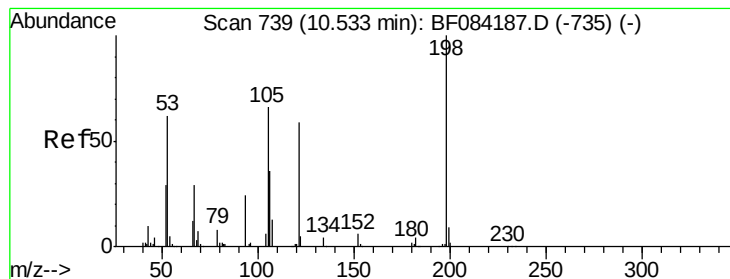
Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

80 9.8 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 6.62 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampleId :

W-20

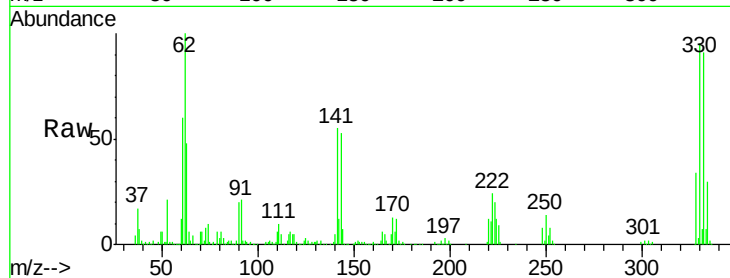
Tgt Ion:198 Resp: 1499

Ion Ratio Lower Upper

198 100

51 271.6 18.9 58.9#

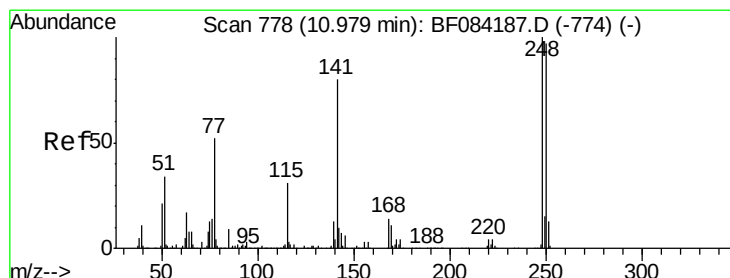
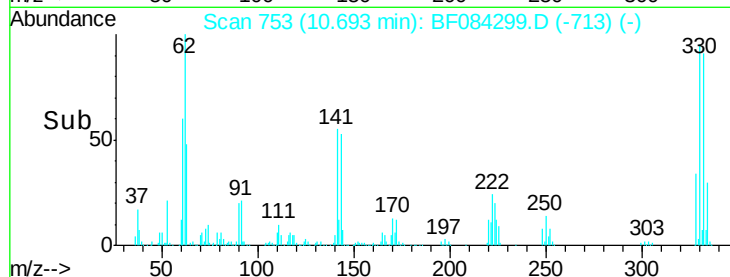
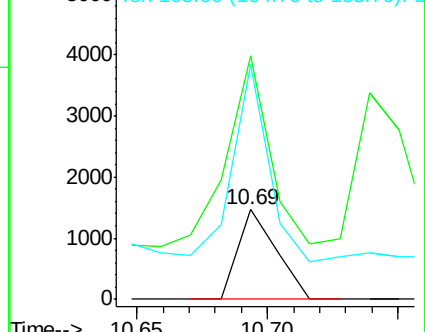
105 261.3 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.97 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

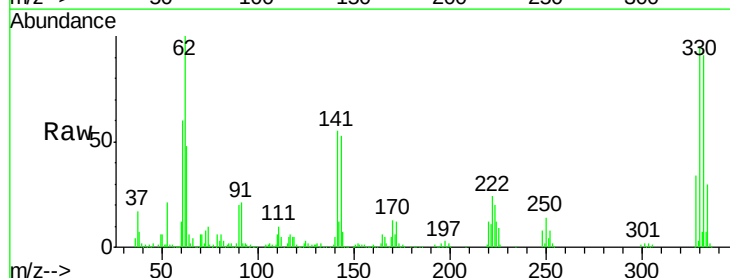
Tgt Ion:248 Resp: 39441

Ion Ratio Lower Upper

248 100

250 184.0 78.4 117.6#

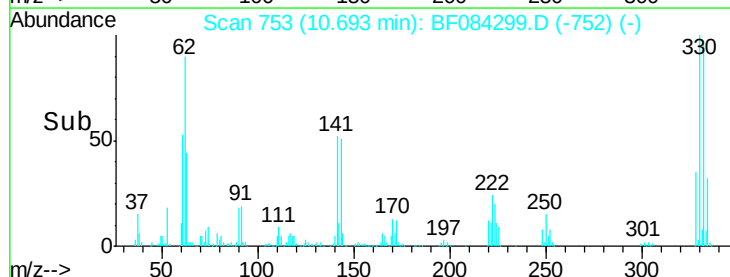
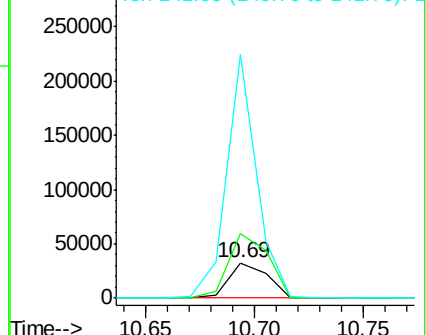
141 696.7 44.0 66.0#

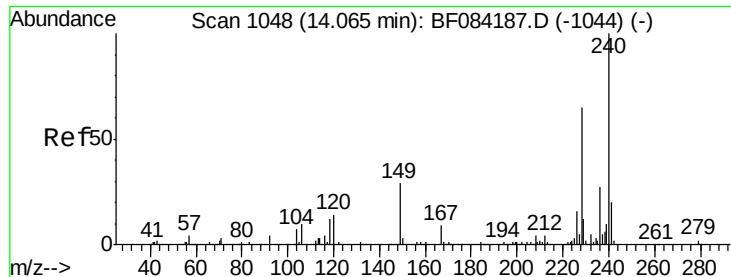


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

Instrument :

BNA_F

ClientSampleId :

W-20

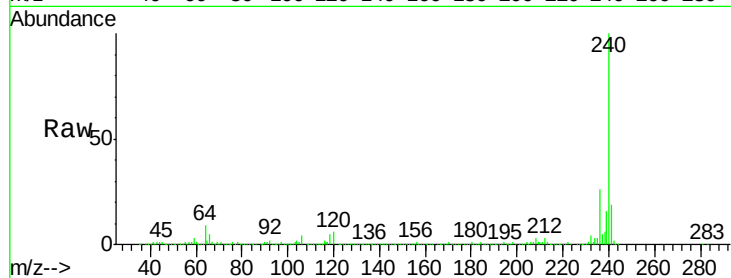
Tgt Ion:240 Resp: 774418

Ion Ratio Lower Upper

240 100

120 5.5 9.5 14.3#

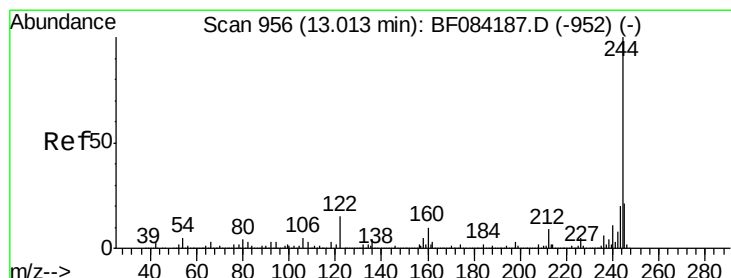
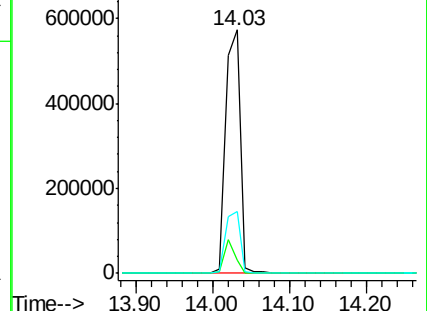
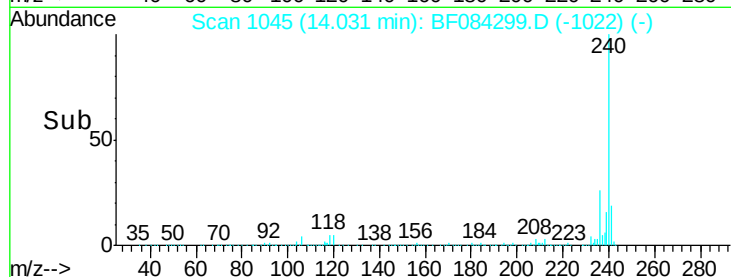
236 25.6 20.6 31.0



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: 64.39 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084299.D

Acq: 6 Jan 2016 19:43

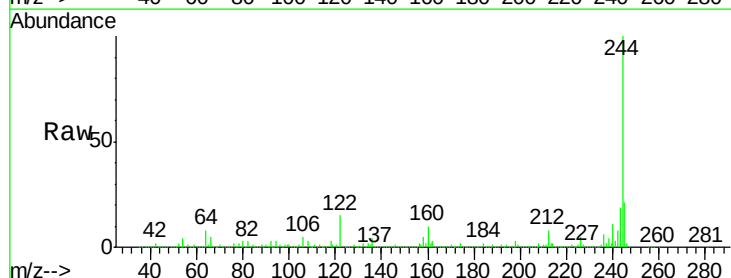
Tgt Ion:244 Resp: 2233926

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

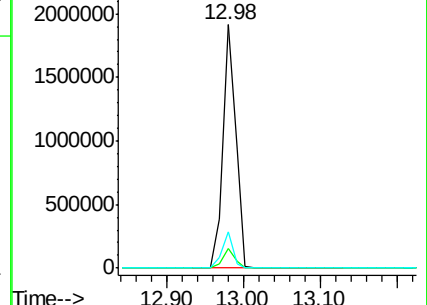
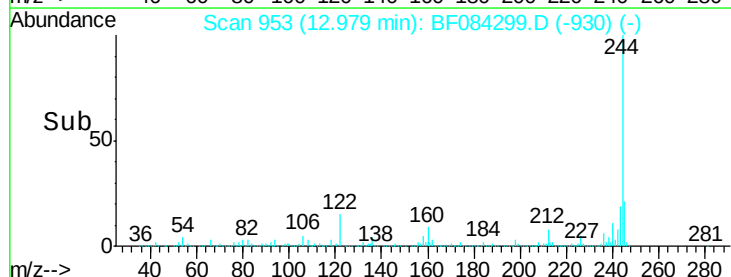
122 14.9 7.4 11.0#

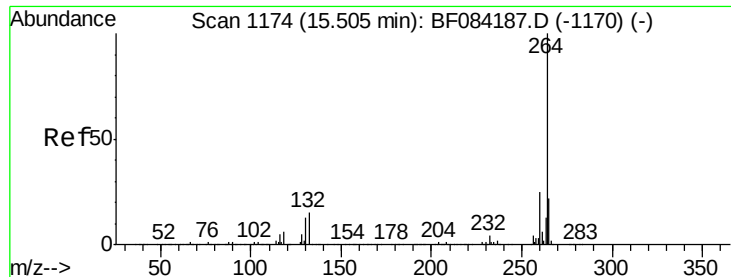


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084299.D
Acq: 6 Jan 2016 19:43

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion: 264 Resp: 582436
Ion Ratio Lower Upper
264 100
260 22.8 19.4 29.2
265 21.5 17.8 26.6

