

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
 Data File : BF084297.D
 Acq On : 6 Jan 2016 18:48
 Operator : SJ/UM
 Sample : H1017-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Quant Time: Jan 07 00:13:53 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

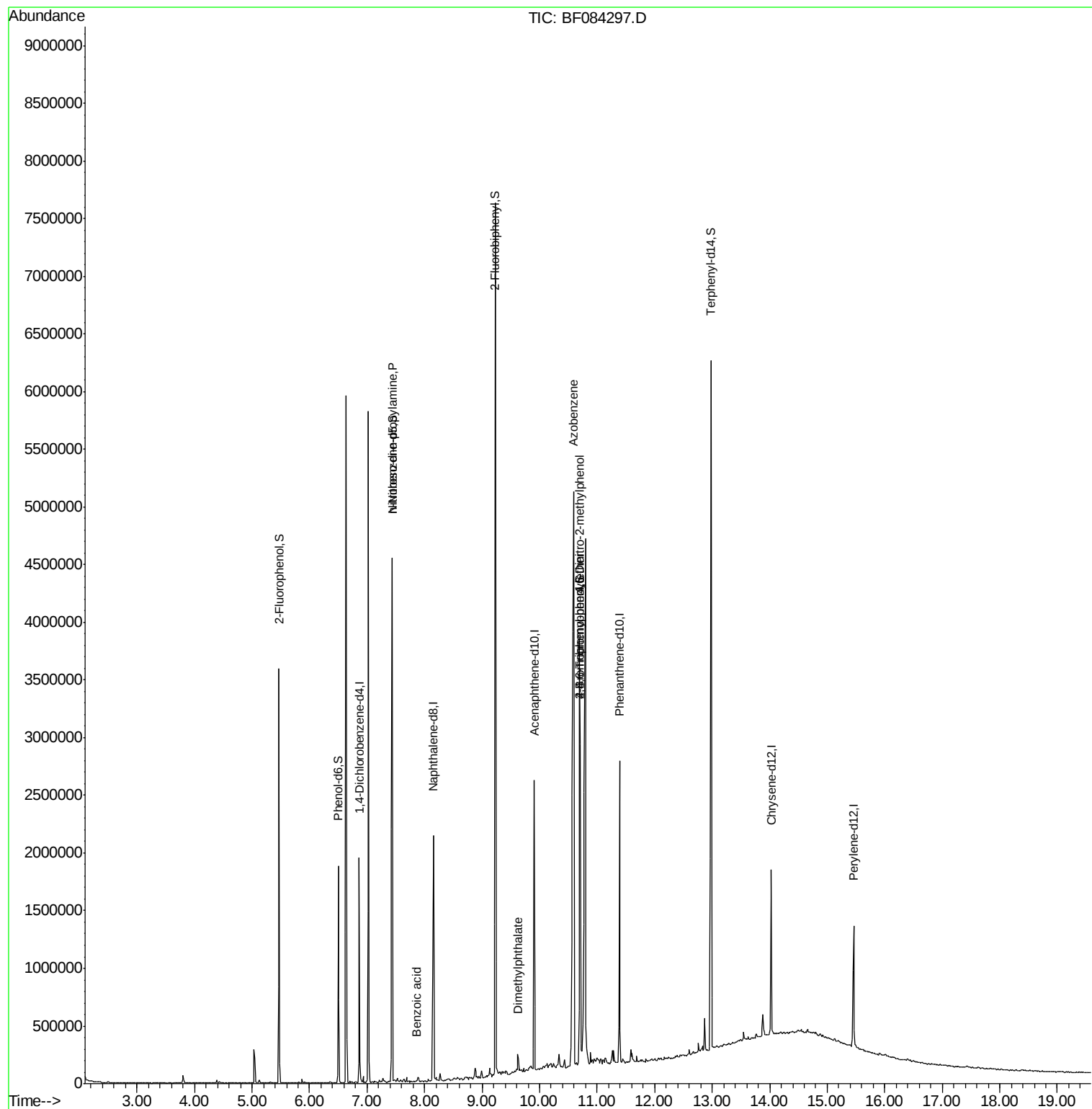
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	244574	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1042304	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	461923	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	841253	20.00	ng	-0.03
75) Chrysene-d12	14.03	240	700929	20.00	ng	-0.03
86) Perylene-d12	15.46	264	526536	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	864374	57.16	ng	-0.02
7) Phenol-d6	6.50	99	641159	33.76	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1576250	84.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	616925	132.29	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2115196	80.20	ng	-0.03
78) Terphenyl-d14	12.98	244	1779355	56.67	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	224198	17.44	ng	# 72
32) Benzoic acid	7.86	122	872	6.32	ng	# 80
49) Dimethylphthalate	9.63	163	79636	2.41	ng	# 91
54) Dibenzofuran	10.10	168	740	Below Cal	#	1
57) Fluorene	10.44	166	940	Below Cal	#	56
60) 4-Chlorophenyl-phenylether	10.43	204	377	Below Cal	#	25
62) Azobenzene	10.59	77	183490	5.14	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.69	198	1581	6.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	37984	4.19	ng	# 1
73) Di-n-butylphthalate	11.96	149	5342	Below Cal	#	74

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

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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: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

W-12

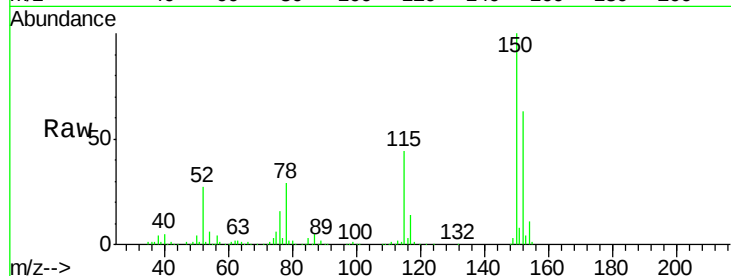
Tgt Ion:152 Resp: 244574

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

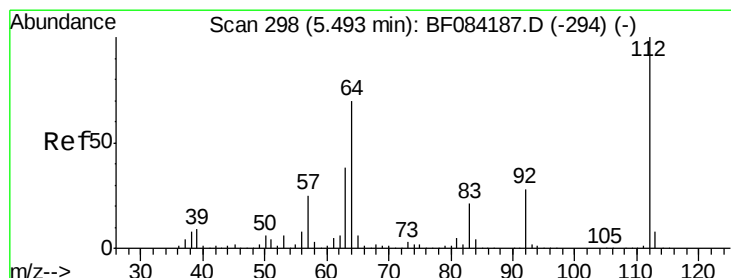
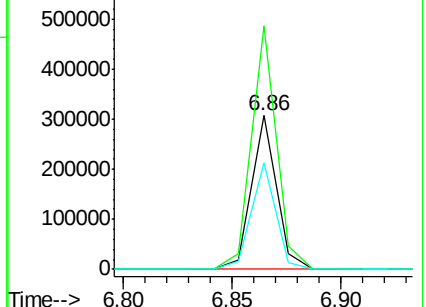
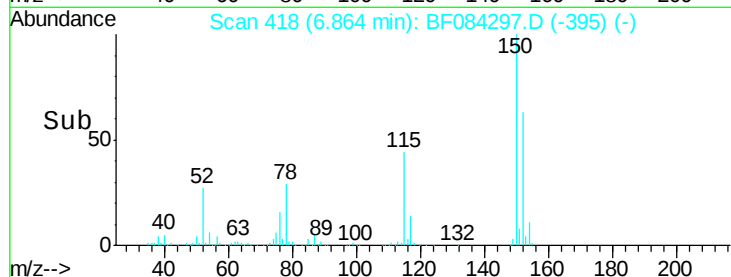
115 69.3 51.4 77.2



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: 57.16 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

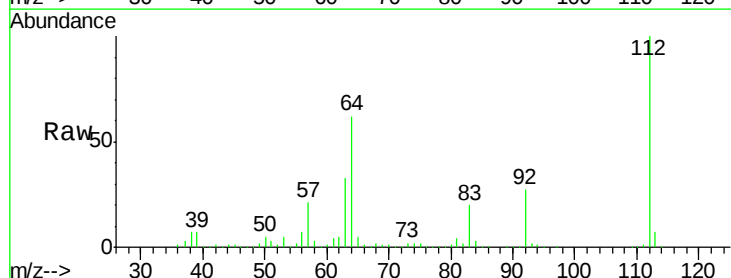
Tgt Ion:112 Resp: 864374

Ion Ratio Lower Upper

112 100

64 62.3 36.6 55.0#

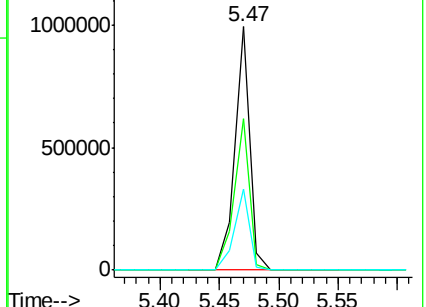
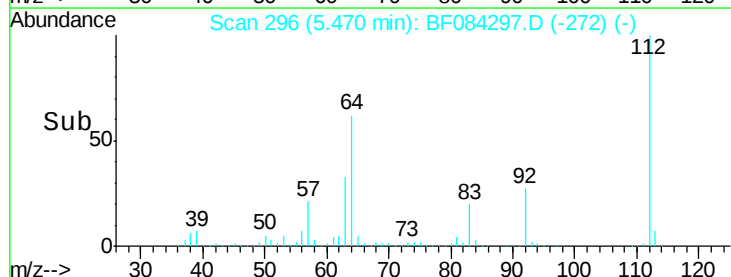
63 33.0 19.4 29.0#

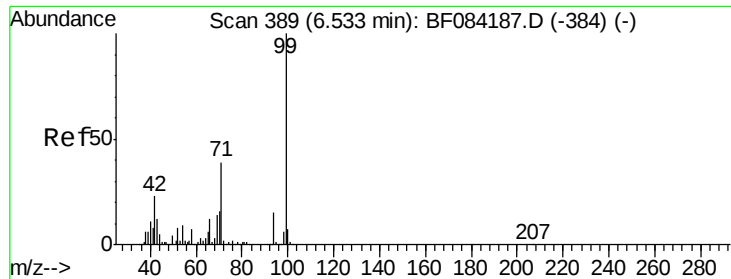


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.76 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

W-12

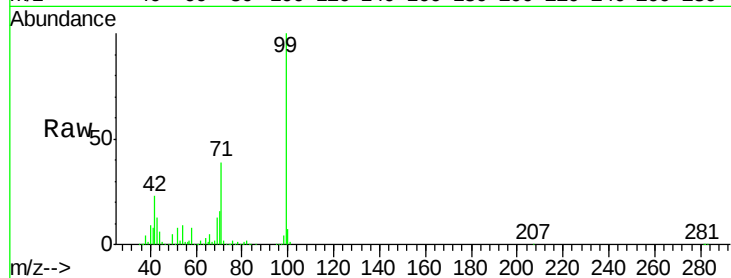
Tgt Ion: 99 Resp: 641159

Ion Ratio Lower Upper

99 100

42 23.1 12.8 19.2#

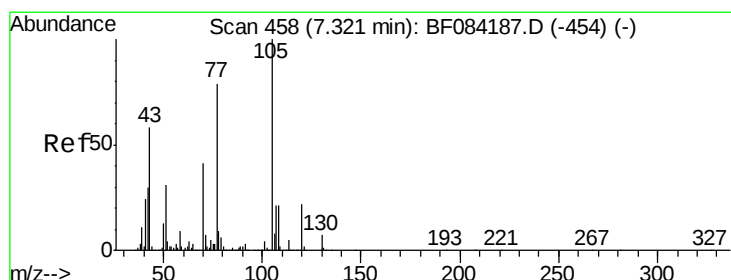
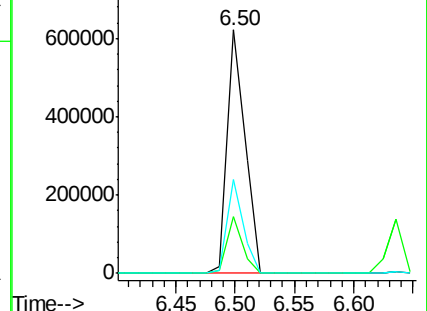
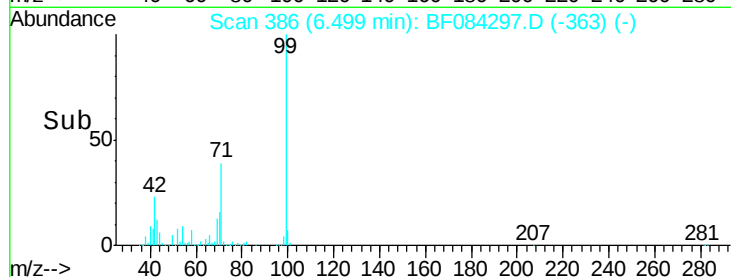
71 38.5 30.9 46.3



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: 17.44 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Tgt Ion: 70 Resp: 224198

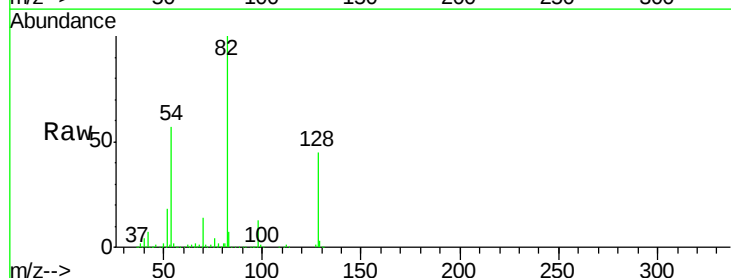
Ion Ratio Lower Upper

70 100

42 48.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

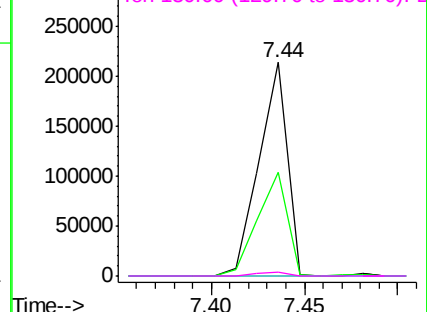
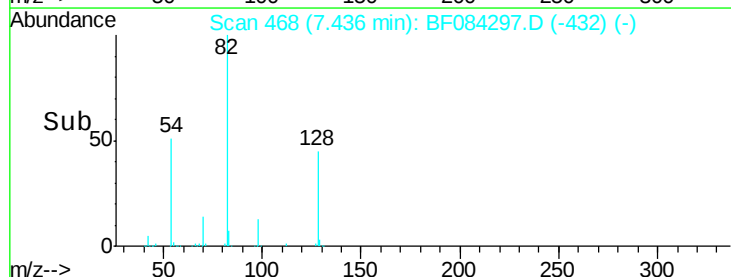


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

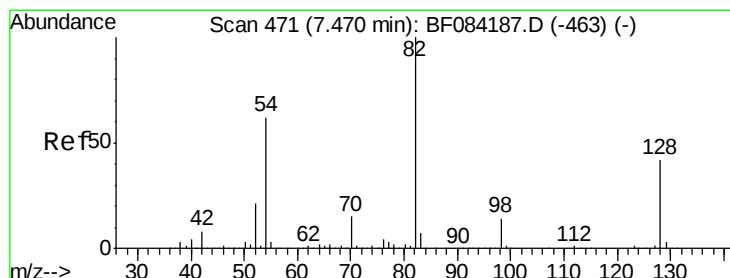
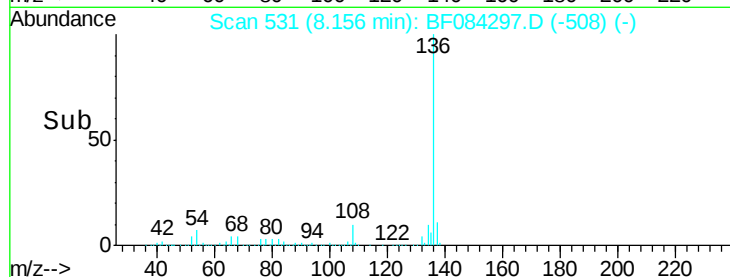
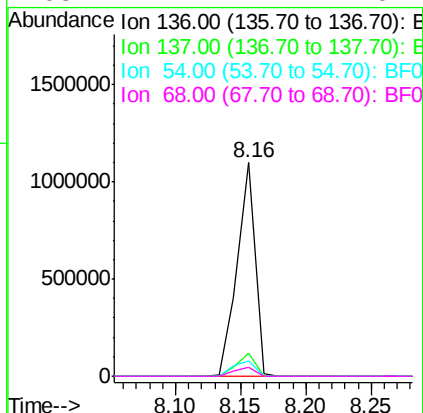
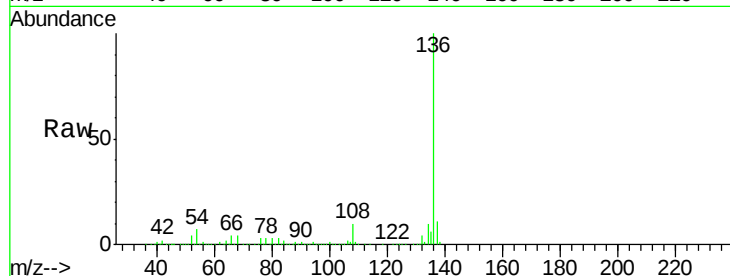




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF084297.D
Acq: 6 Jan 2016 18:48

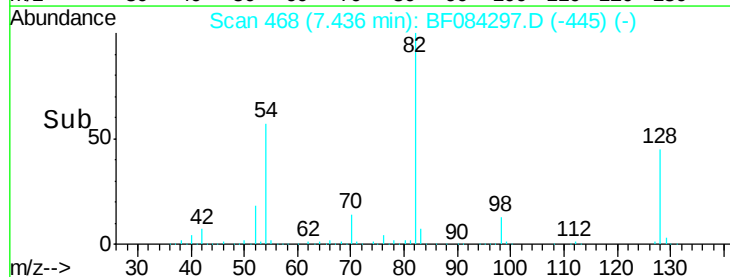
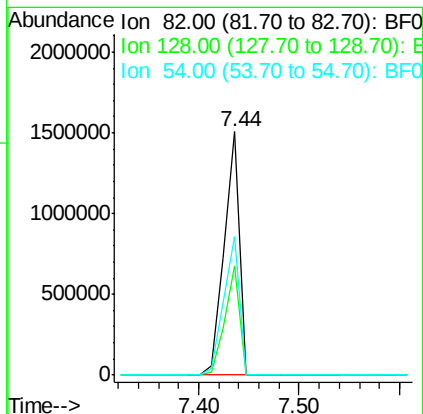
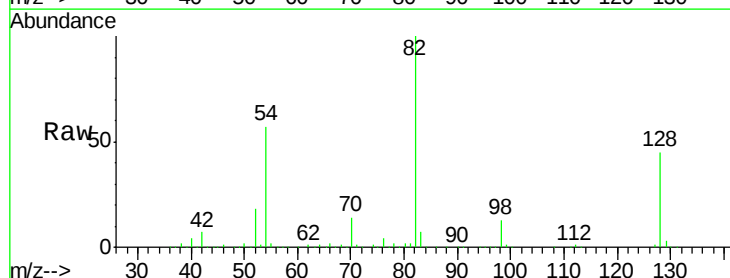
Instrument :
BNA_F
ClientSampleId :
W-12

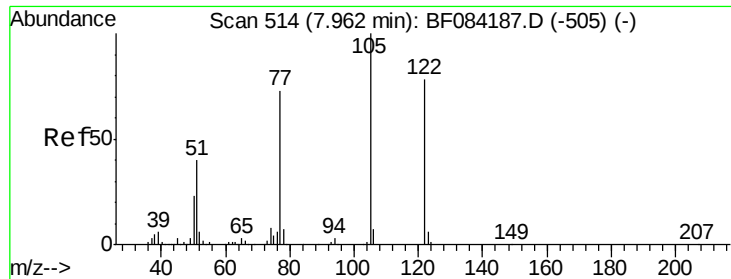
Tgt Ion:136 Resp: 1042304
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.2 5.8 8.8
68 4.1 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 84.17 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.03 min
Lab File: BF084297.D
Acq: 6 Jan 2016 18:48

Tgt Ion: 82 Resp: 1576250
Ion Ratio Lower Upper
82 100
128 44.9 34.6 51.8
54 56.8 38.4 57.6

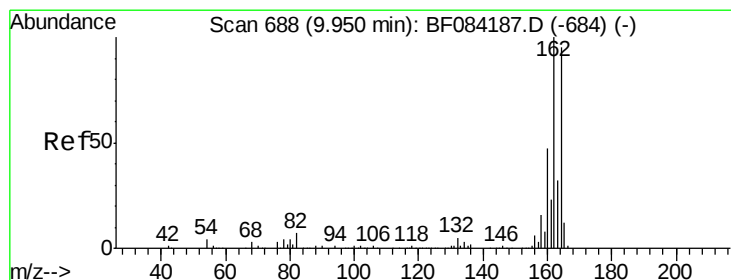
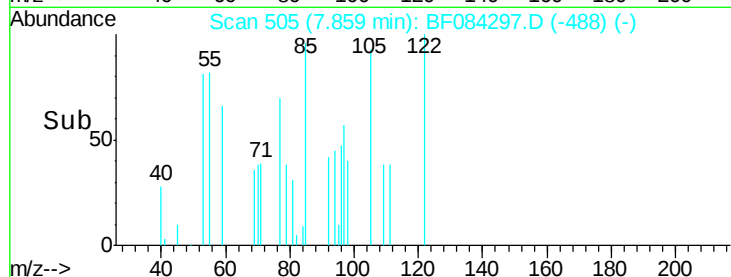
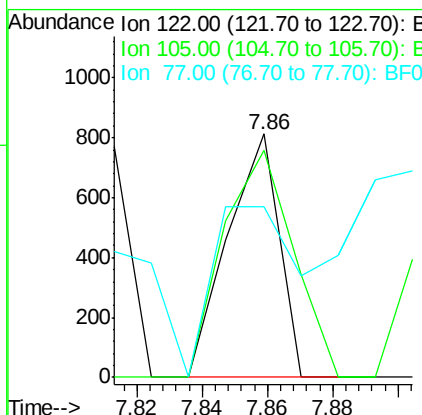
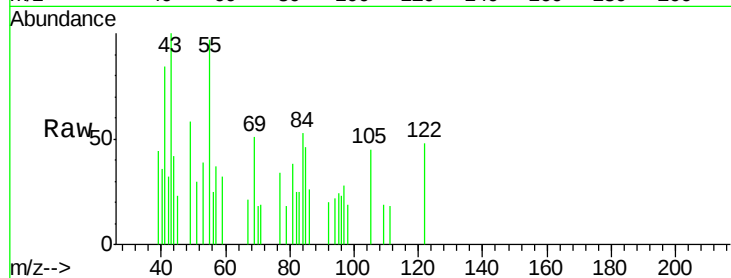




#32
Benzoic acid
Concen: 6.32 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.10 min
Lab File: BF084297.D
Acq: 6 Jan 2016 18:48

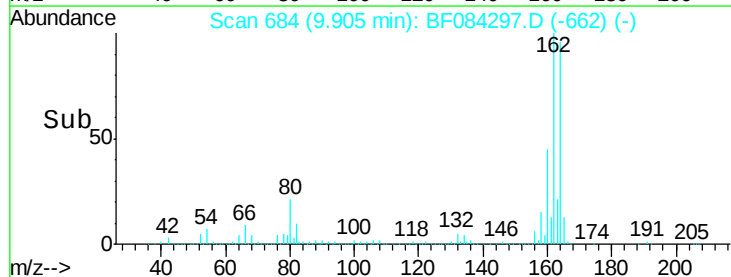
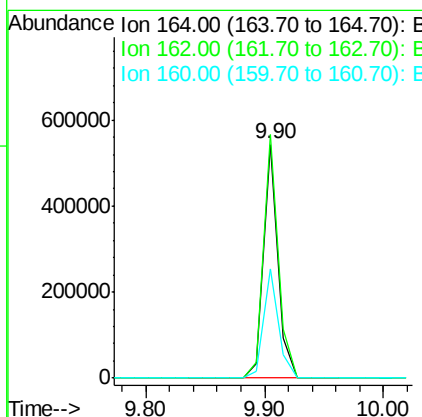
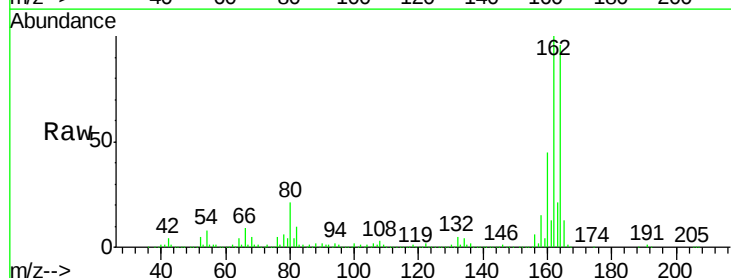
Instrument :
BNA_F
ClientSampled :
W-12

Tgt Ion:122 Resp: 872
Ion Ratio Lower Upper
122 100
105 93.4 100.3 140.3#
77 70.0 63.5 103.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.05 min
Lab File: BF084297.D
Acq: 6 Jan 2016 18:48

Tgt Ion:164 Resp: 461923
Ion Ratio Lower Upper
164 100
162 104.2 85.1 127.7
160 47.0 37.5 56.3

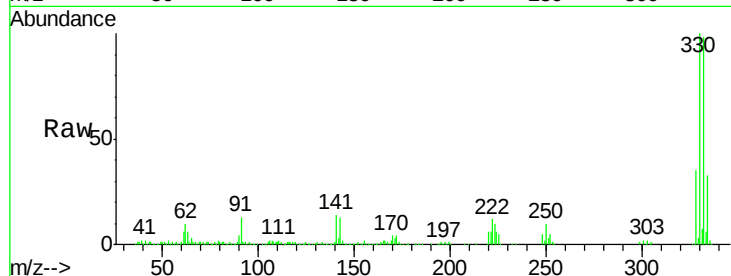




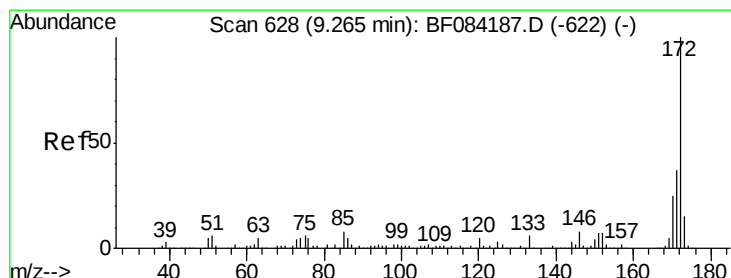
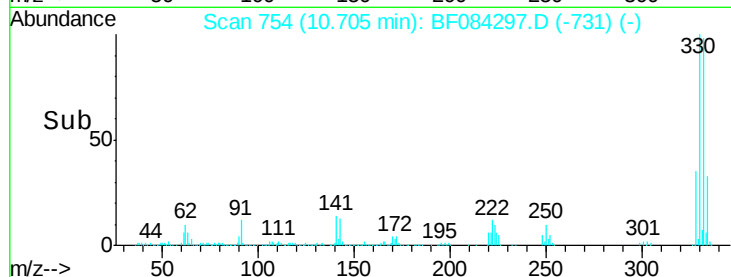
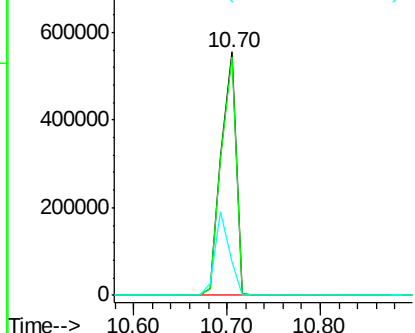
#41
 2,4,6-Tribromophenol
 Concen: 132.29 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.03 min
 Lab File: BF084297.D
 Acq: 6 Jan 2016 18:48

Instrument :
 BNA_F
 ClientSampleId :
 W-12

Tgt Ion:330 Resp: 616925
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 114.8
 141 32.6 27.8 41.6

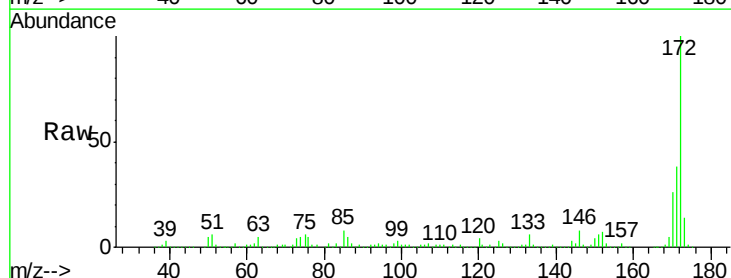


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

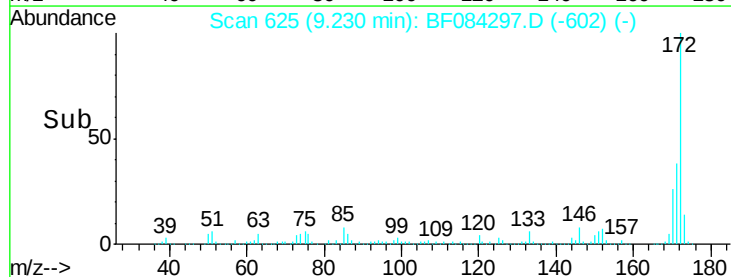
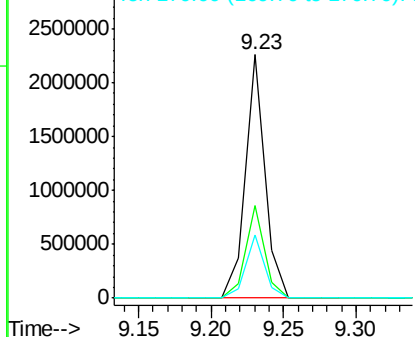


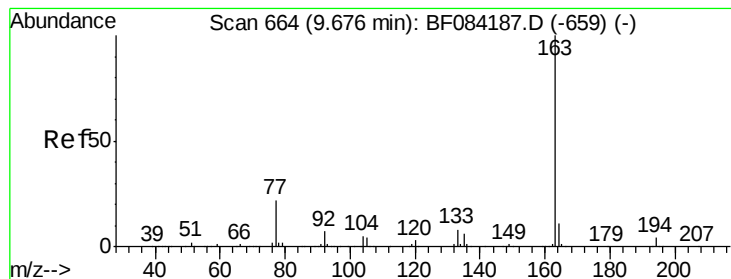
#44
 2-Fluorobiphenyl
 Concen: 80.20 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084297.D
 Acq: 6 Jan 2016 18:48

Tgt Ion:172 Resp: 2115196
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.9 43.3
 170 25.9 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





#49

Dimethylphthalate

Concen: 2.41 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

W-12

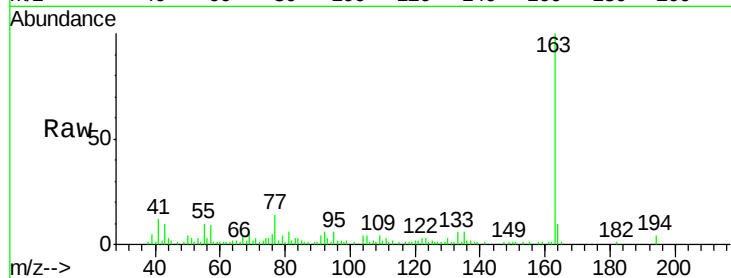
Tgt Ion:163 Resp: 79636

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

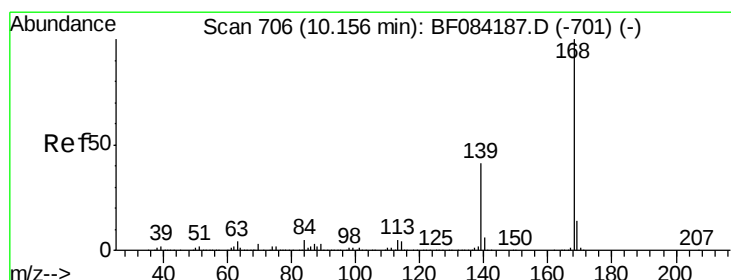
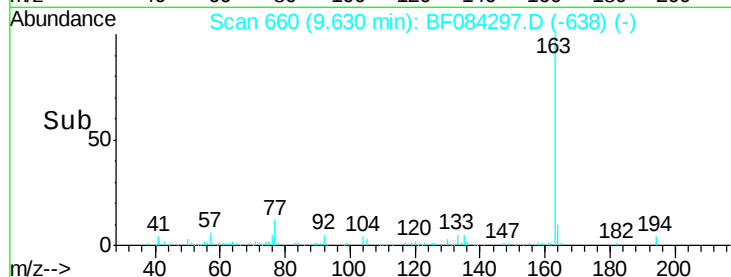
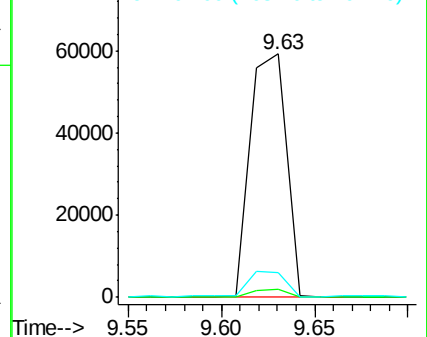
164 9.9 8.0 12.0



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



#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

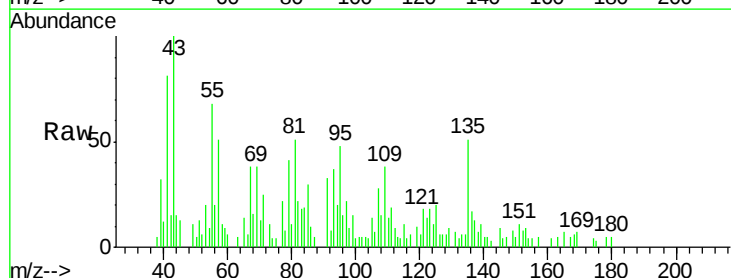
Tgt Ion:168 Resp: 740

Ion Ratio Lower Upper

168 100

139 177.3 30.5 45.7#

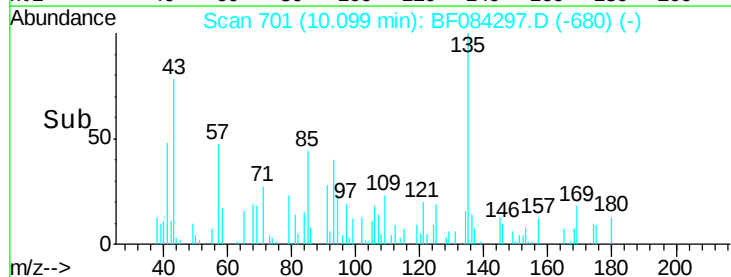
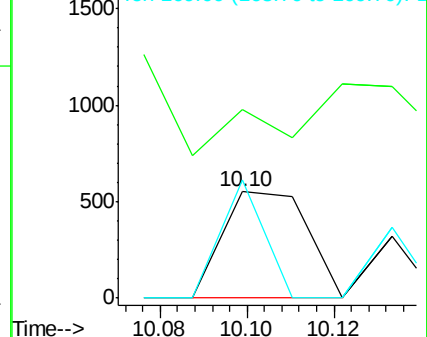
169 111.6 10.4 15.6#

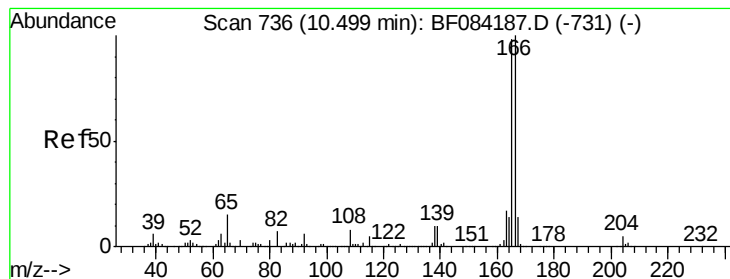


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

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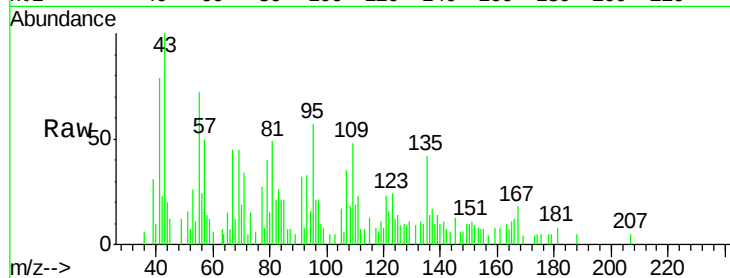
Tgt Ion:166 Resp: 940

Ion Ratio Lower Upper

166 100

165 95.1 79.1 118.7

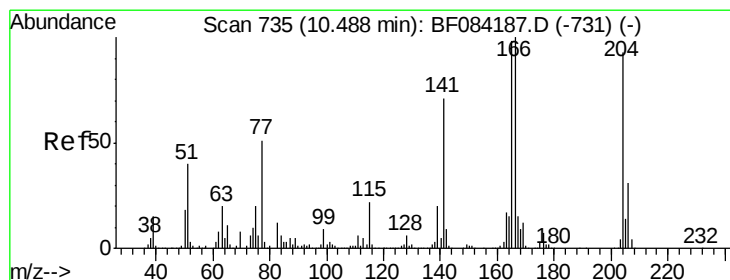
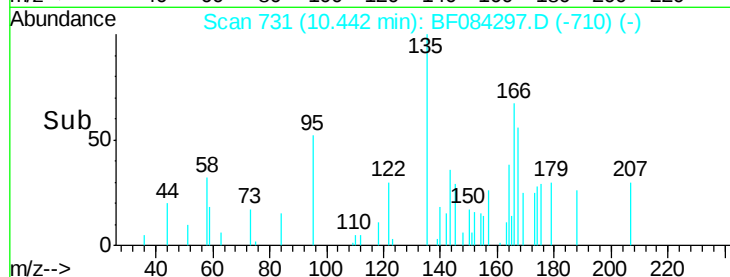
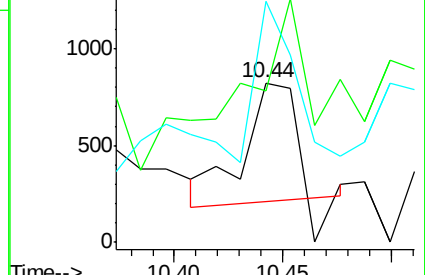
167 151.8 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.43 min Scan# 730

Delta R.T. -0.06 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

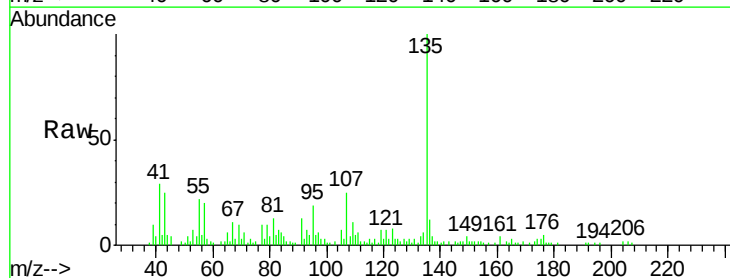
Tgt Ion:204 Resp: 377

Ion Ratio Lower Upper

204 100

206 118.0 25.7 38.5#

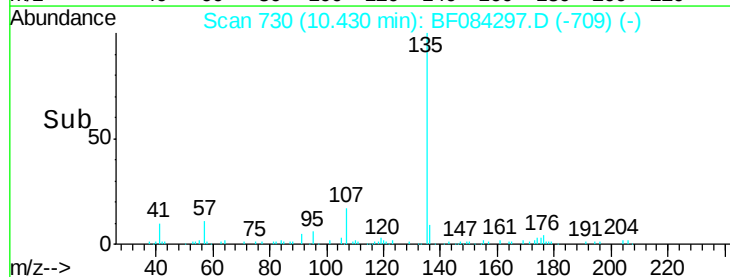
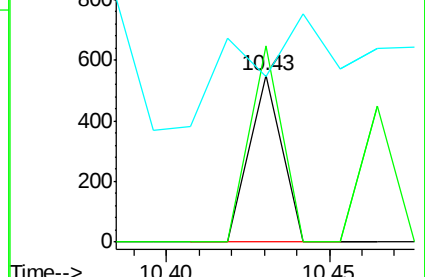
141 99.6 55.1 82.7#

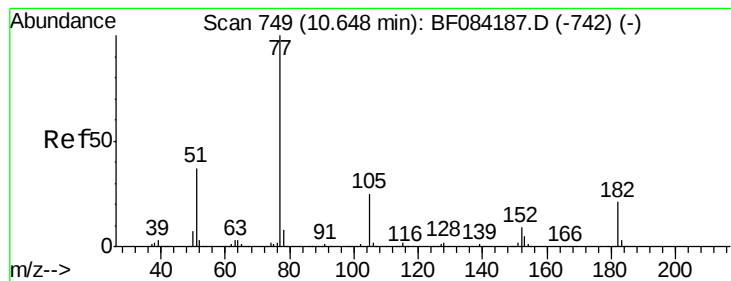


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 5.14 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.06 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

W-12

Tgt Ion: 77 Resp: 183490

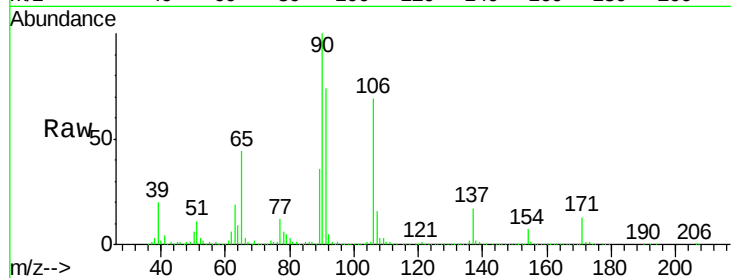
Ion Ratio Lower Upper

77 100

182 0.0 8.3 48.3#

105 6.1 4.6 44.6

51 97.1 6.2 46.2#

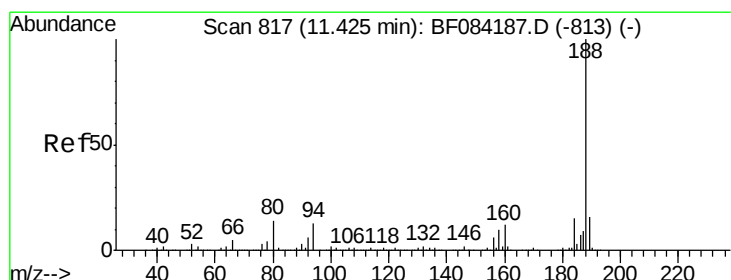
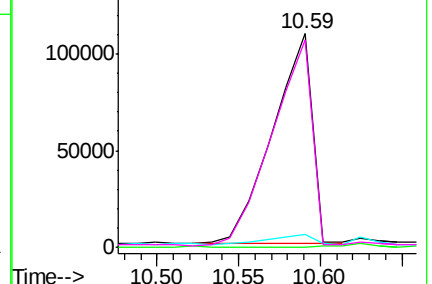
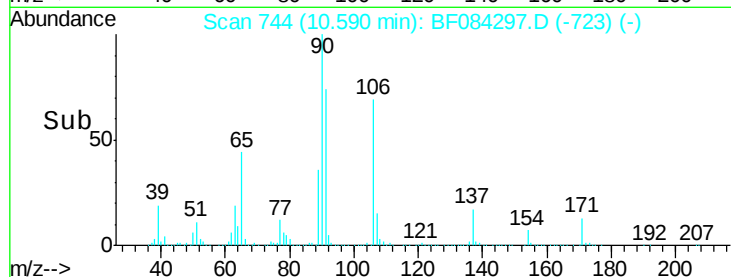


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.03 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

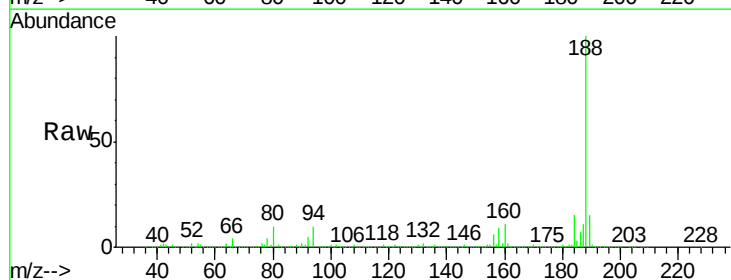
Tgt Ion: 188 Resp: 841253

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.4

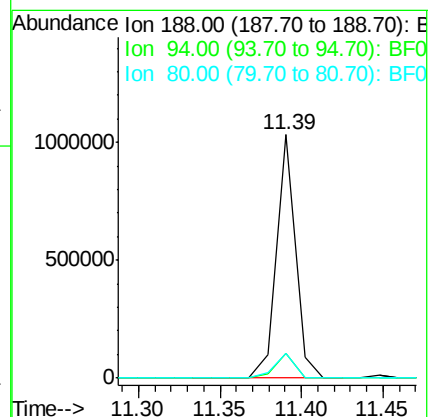
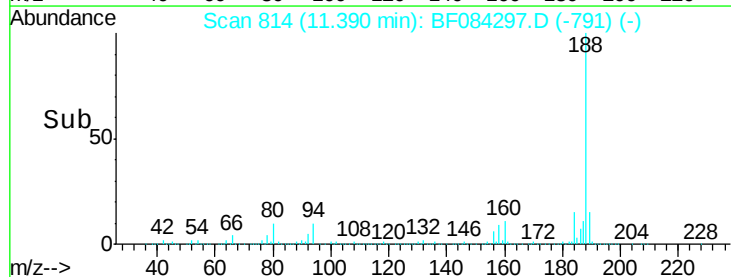
80 10.3 9.6 14.4

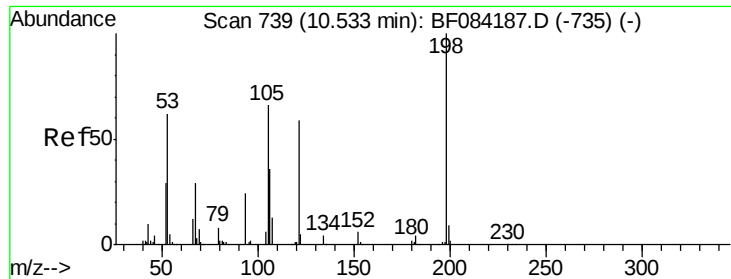


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Instrument :

BNA_F

ClientSampleId :

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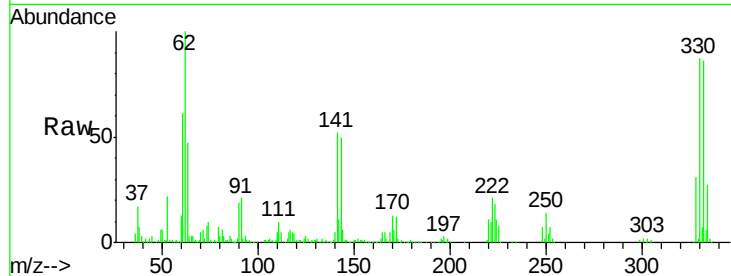
Tgt Ion:198 Resp: 1581

Ion Ratio Lower Upper

198 100

51 286.2 18.9 58.9#

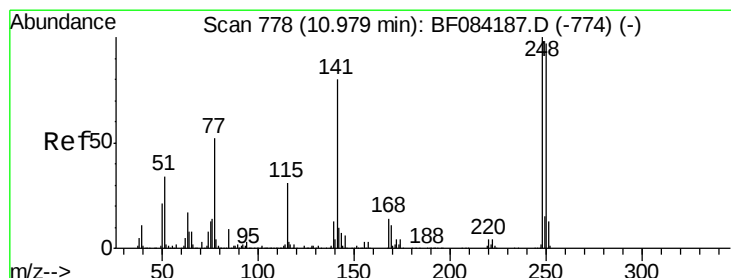
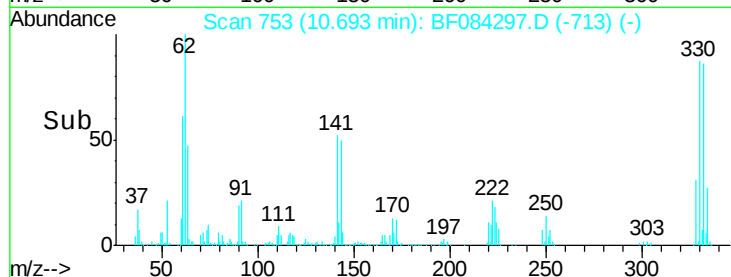
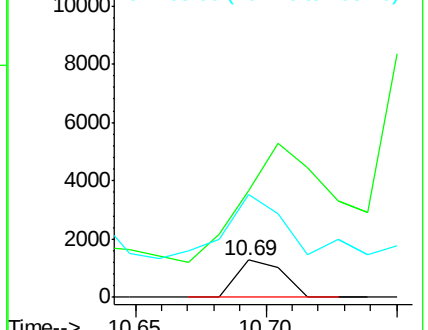
105 277.7 26.4 66.4#



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: 4.19 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.27 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

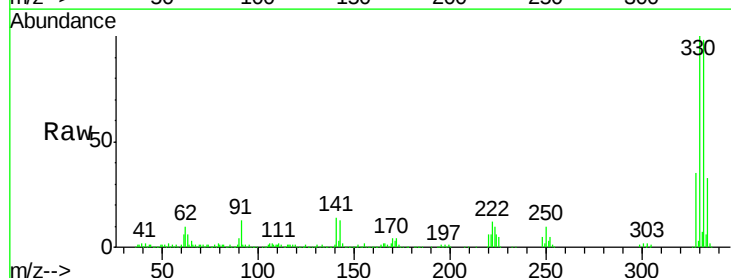
Tgt Ion:248 Resp: 37984

Ion Ratio Lower Upper

248 100

250 198.9 78.4 117.6#

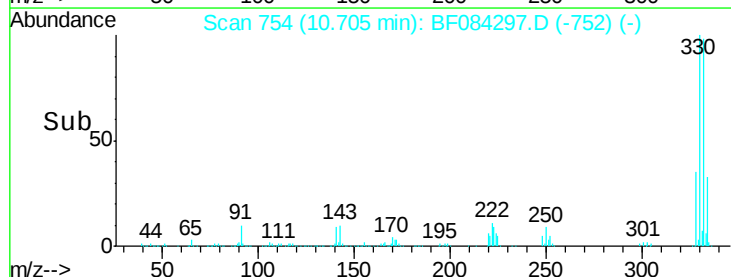
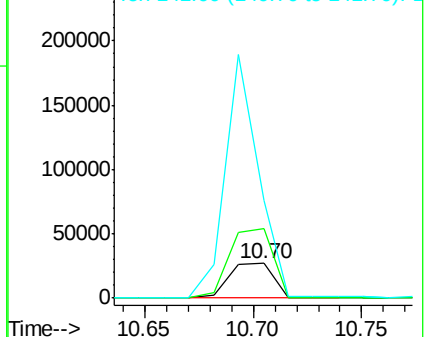
141 281.0 44.0 66.0#

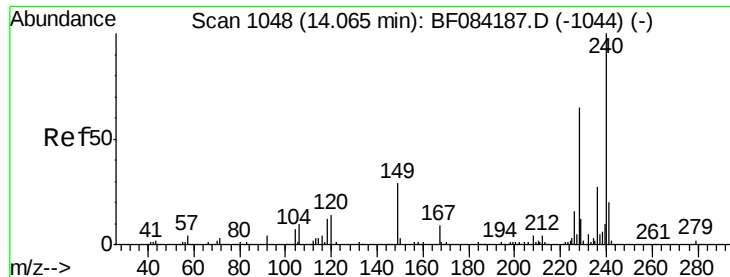


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF084297.D

Acq: 6 Jan 2016 18:48

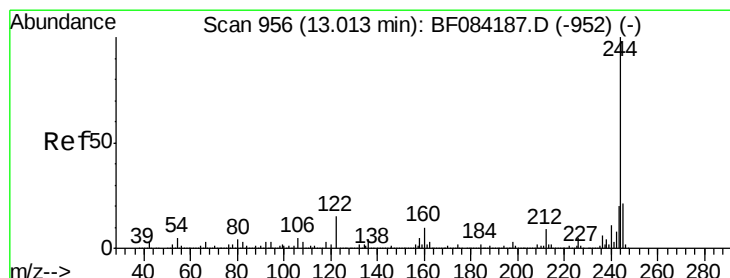
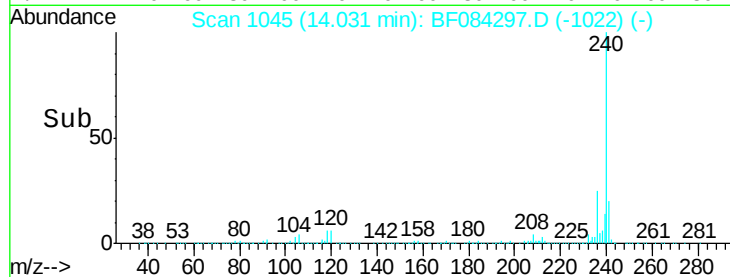
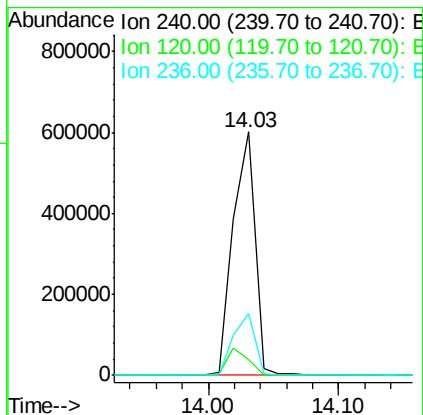
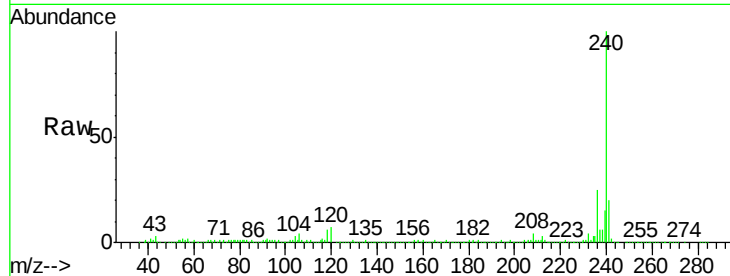
Instrument :

BNA_F

ClientSampleId :

W-12

Tgt Ion:	240	Resp:	700929
Ion Ratio	Lower	Upper	
240	100		
120	6.7	9.5	14.3#
236	25.4	20.6	31.0



#78

Terphenyl-d14

Concen: 56.67 ng

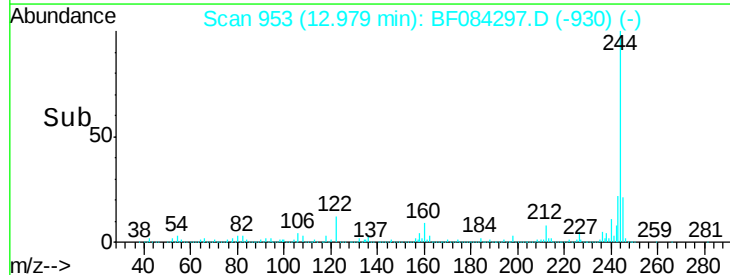
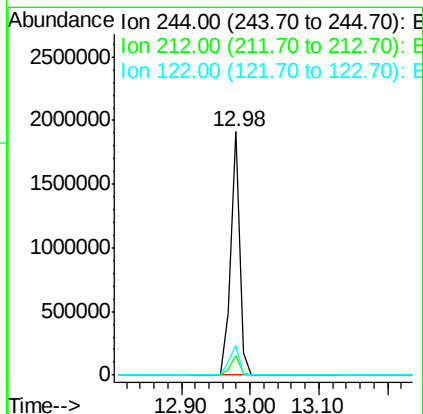
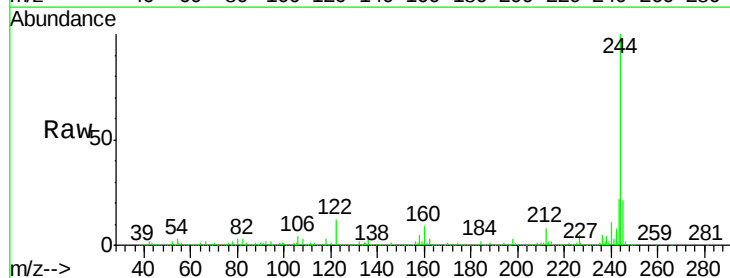
RT: 12.98 min Scan# 953

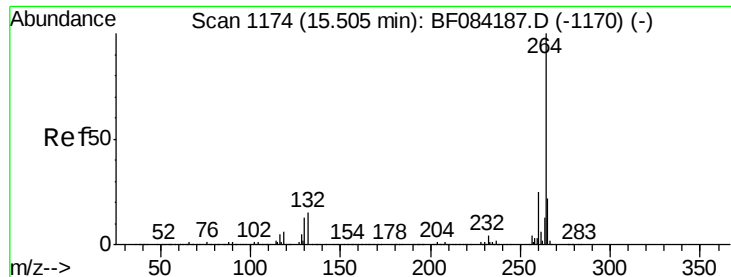
Delta R.T. -0.03 min

Lab File: BF084297.D

Acq: 6 Jan 2016 18:48

Tgt Ion:	244	Resp:	1779355
Ion Ratio	Lower	Upper	
244	100		
212	7.9	5.7	8.5
122	12.4	7.4	11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084297.D
Acq: 6 Jan 2016 18:48

Instrument :
BNA_F
ClientSampleId :
W-12

Tgt Ion: 264 Resp: 526536
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 20.6 17.8 26.6

