

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
 Data File : BF084522.D
 Acq On : 16 Jan 2016 6:16
 Operator : SJ/UM
 Sample : H1144-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-4

Quant Time: Jan 18 00:09:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

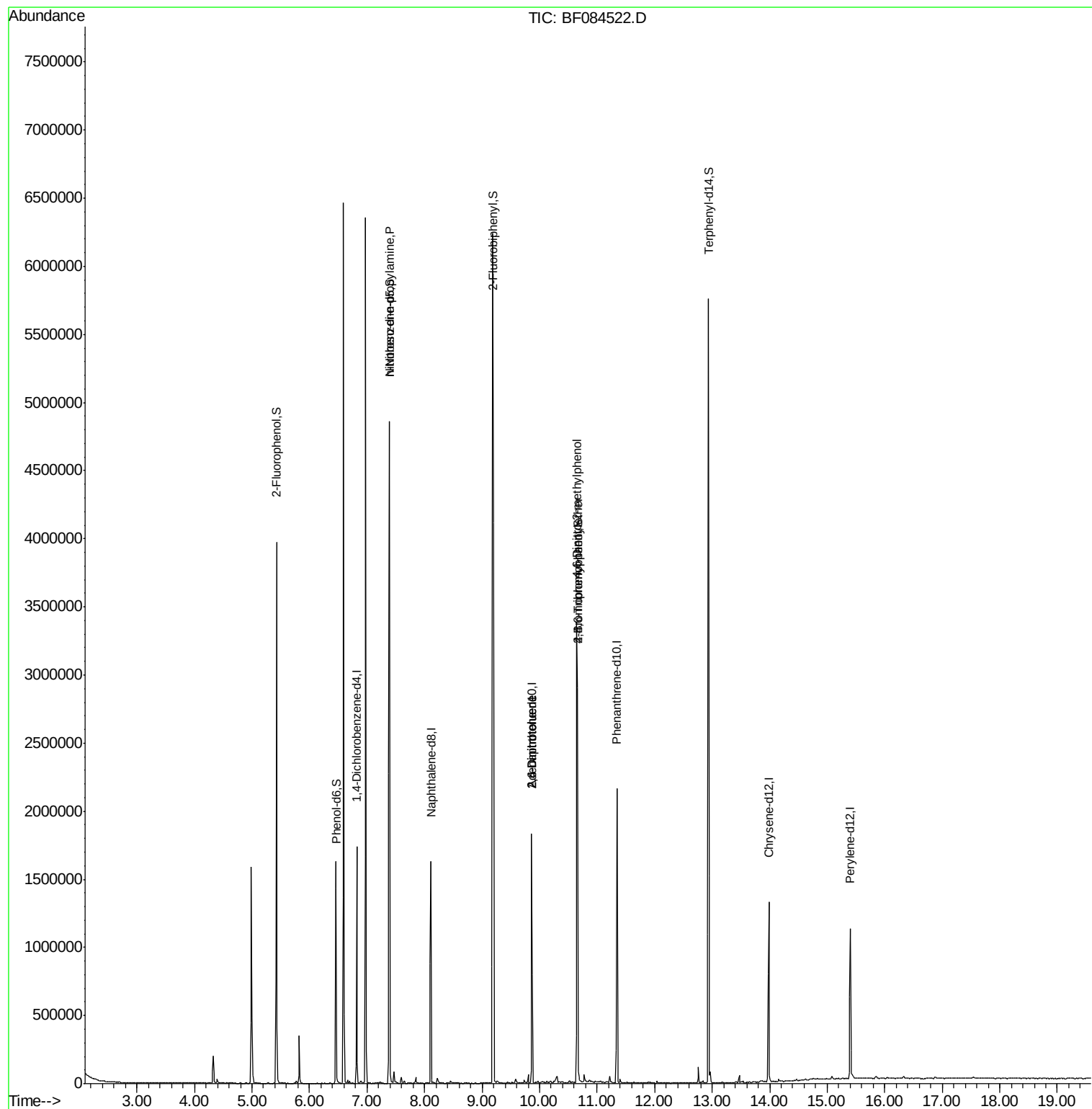
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	225850	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	885950	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	391654	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	715128	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	559567	20.00	ng	-0.01
86) Perylene-d12	15.40	264	508758	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1008004	72.19	ng	-0.01
7) Phenol-d6	6.46	99	795505	45.36	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1693473	106.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	623051	157.57	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	2593329	119.01	ng	-0.01
78) Terphenyl-d14	12.93	244	1869499	74.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	237454	20.00	ng	# 73
50) 2,6-Dinitrotoluene	9.86	165	50700	8.26	ng	# 38
56) 2,4-Dinitrotoluene	9.86	165	50691	6.52	ng	# 22
57) Fluorene	10.65	166	24073	Below Cal		# 84
64) 4,6-Dinitro-2-methylphenol	10.65	198	1289	6.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	39392	5.12	ng	# 1
73) Di-n-butylphthalate	11.92	149	3610	Below Cal		# 96

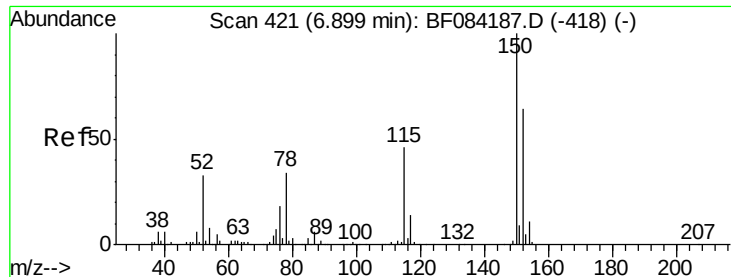
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TWP-4

Quant Time: Jan 18 00:09:14 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

Instrument :

BNA_F

ClientSampleId :

TWP-4

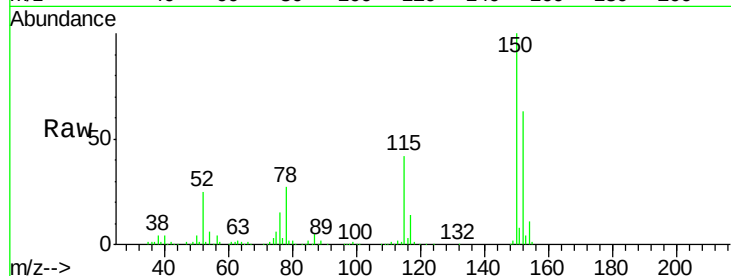
Tgt Ion:152 Resp: 225850

Ion Ratio Lower Upper

152 100

150 157.6 123.0 184.4

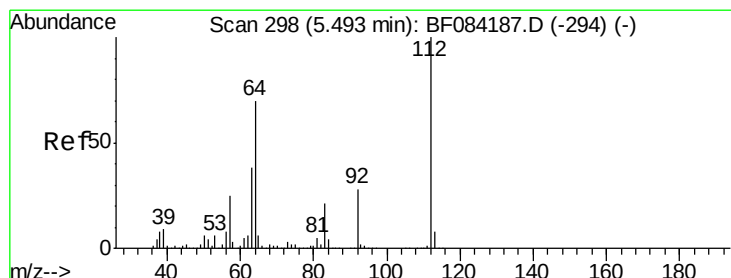
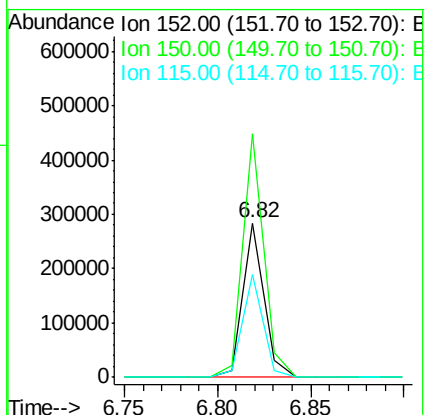
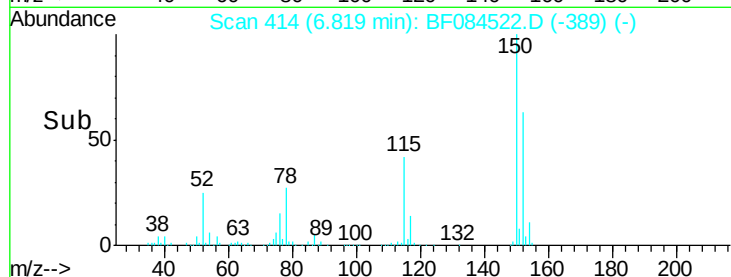
115 66.9 51.4 77.2



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: 72.19 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

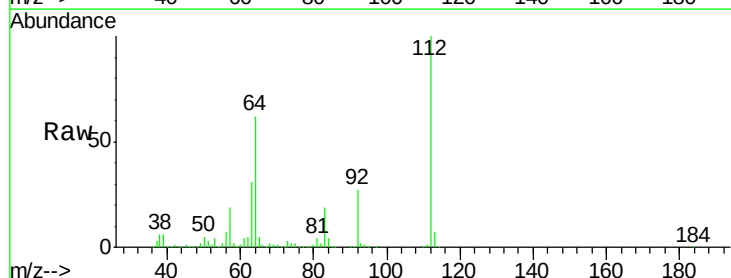
Tgt Ion:112 Resp: 1008004

Ion Ratio Lower Upper

112 100

64 61.7 36.6 55.0#

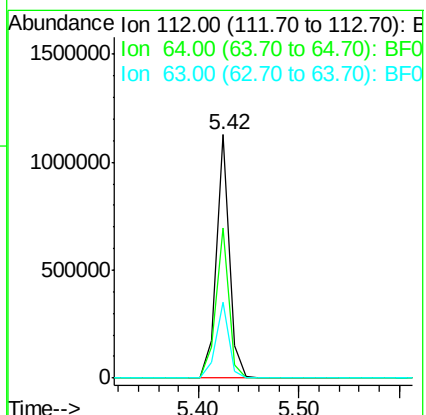
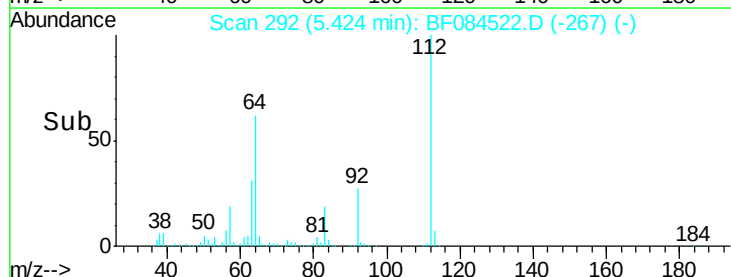
63 31.3 19.4 29.0#

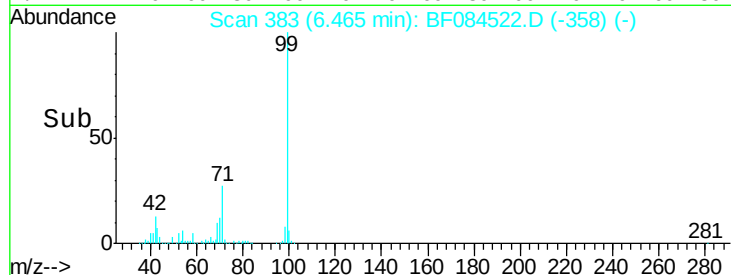
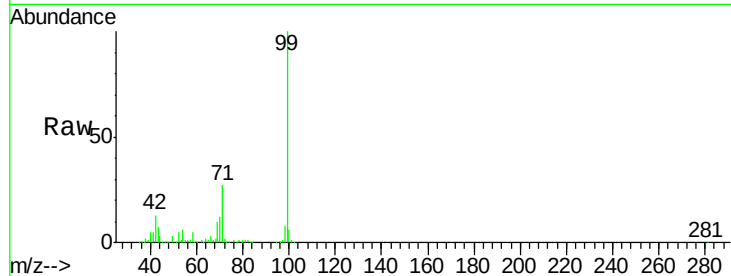
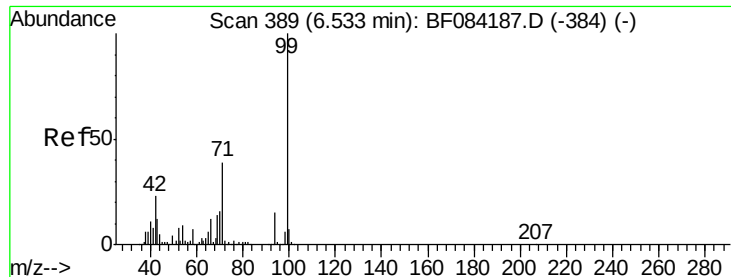


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

Instrument :

BNA_F

ClientSampleId :

TWP-4

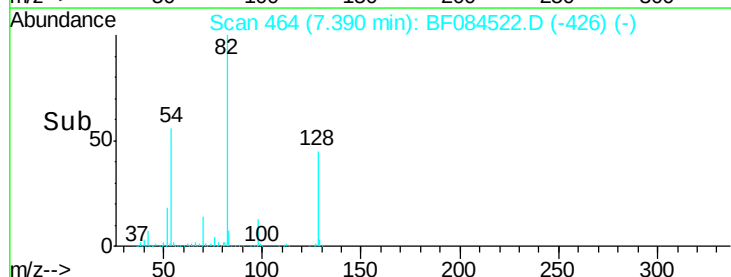
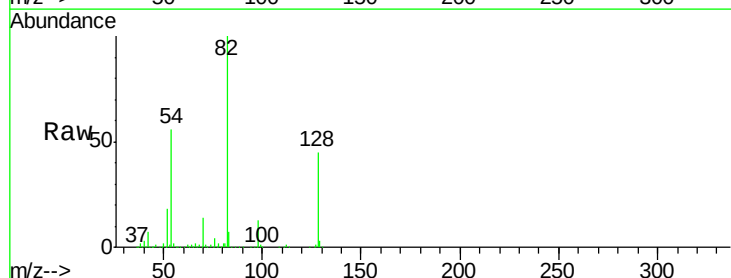
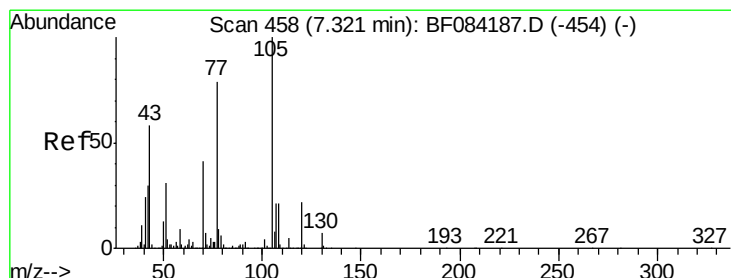
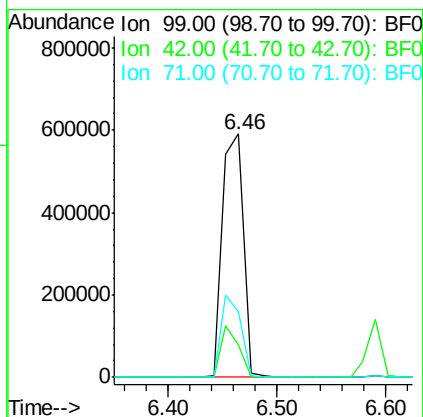
Tgt Ion: 99 Resp: 795505

Ion Ratio Lower Upper

99 100

42 13.2 12.8 19.2

71 26.8 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 20.00 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.14 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

Tgt Ion: 70 Resp: 237454

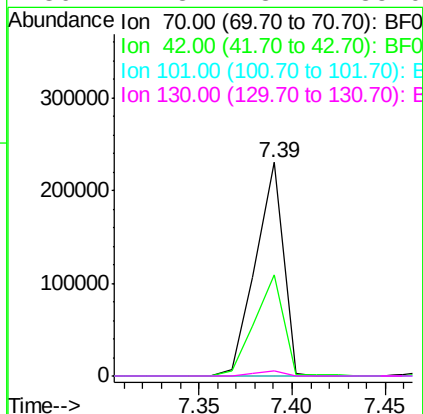
Ion Ratio Lower Upper

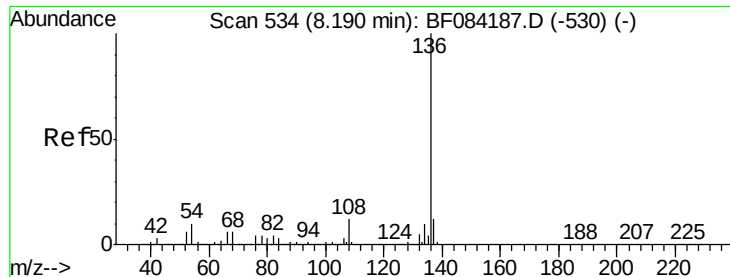
70 100

42 47.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

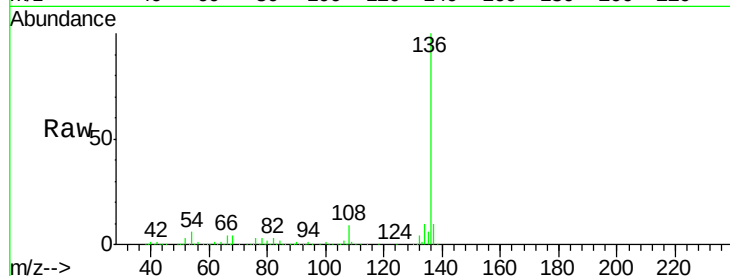




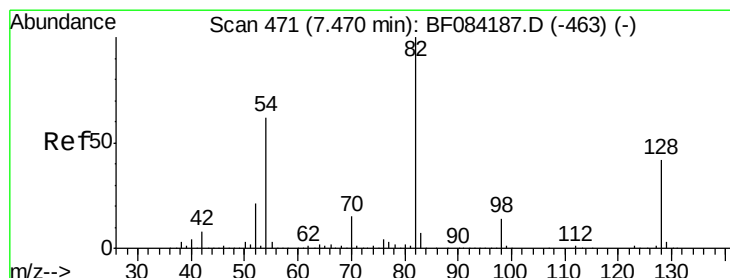
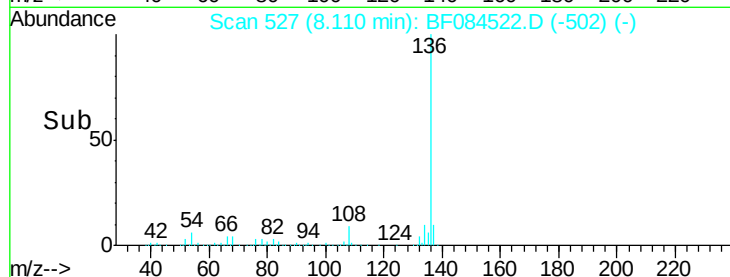
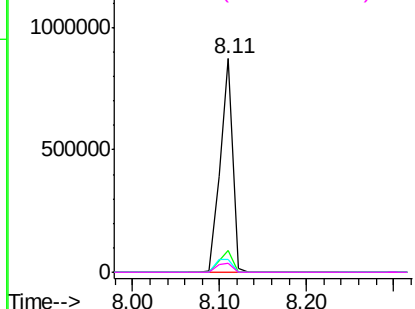
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF084522.D
Acq: 16 Jan 2016 6:16

Instrument :
BNA_F
ClientSampleId :
TWP-4

Tgt Ion:	136	Resp:	885950
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	6.2	5.8	8.8
68	4.2	4.2	6.2

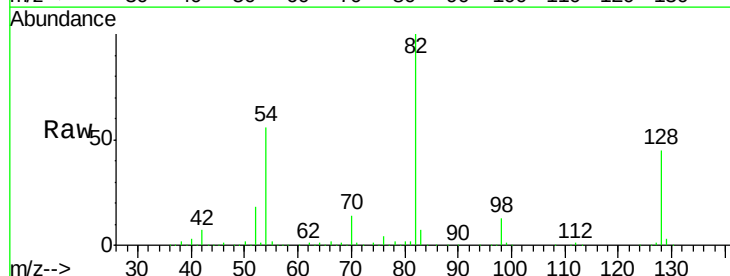


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

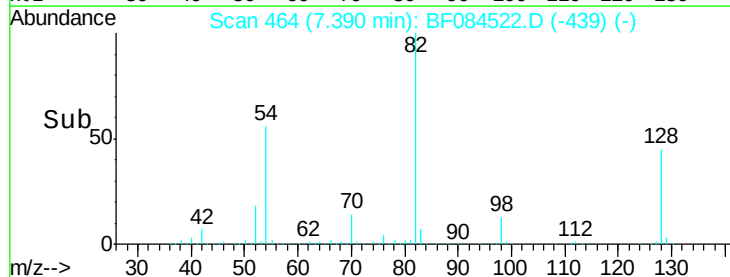
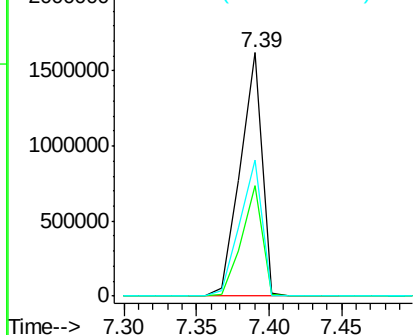


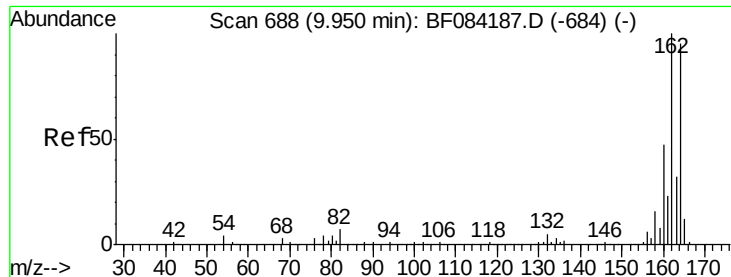
#23
Nitrobenzene-d5
Concen: 106.38 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF084522.D
Acq: 16 Jan 2016 6:16

Tgt Ion:	82	Resp:	1693473
Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.6	51.8
54	55.9	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

Instrument :

BNA_F

ClientSampleId :

TWP-4

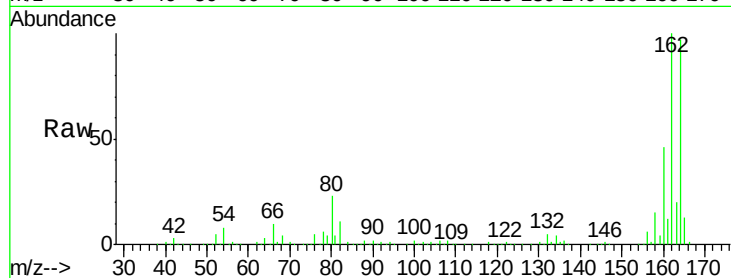
Tgt Ion:164 Resp: 391654

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

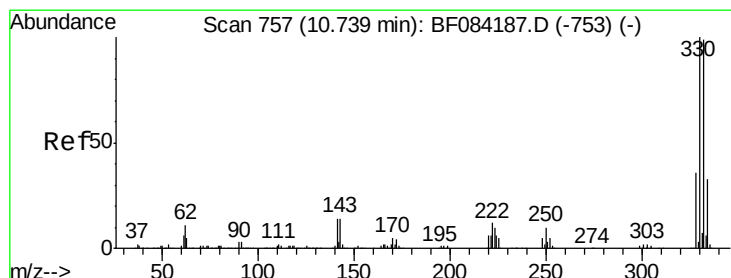
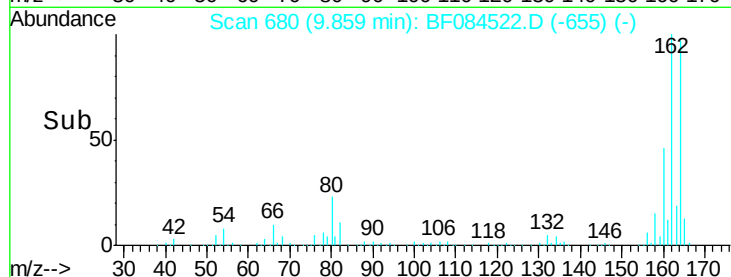
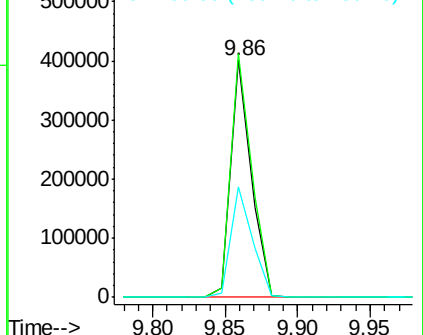
160 46.9 37.5 56.3



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: 157.57 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

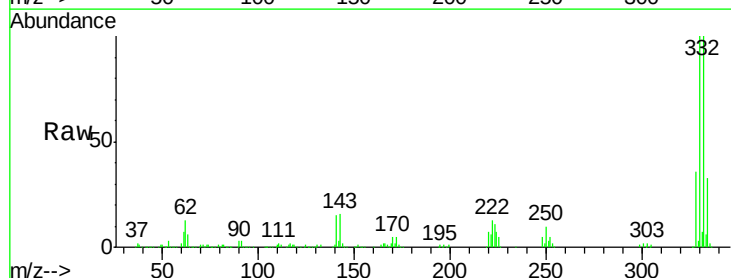
Tgt Ion:330 Resp: 623051

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

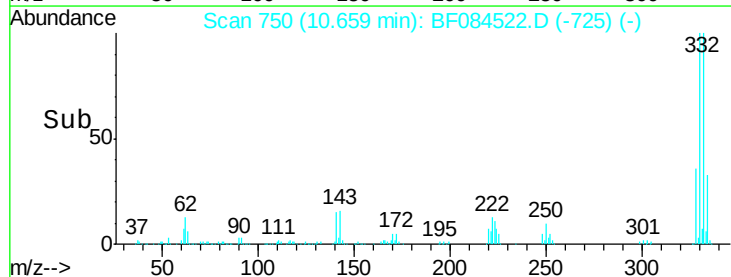
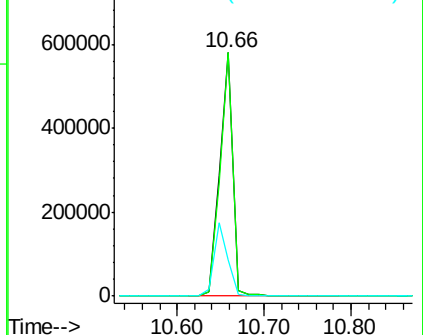
141 31.8 27.8 41.6

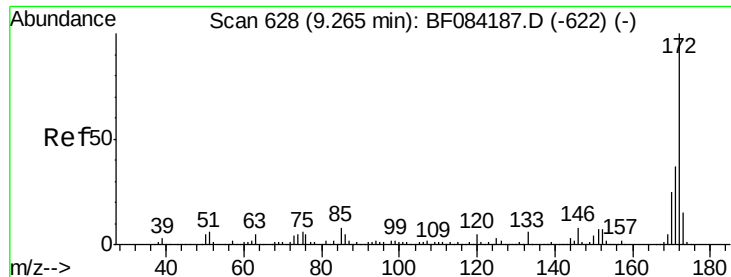


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

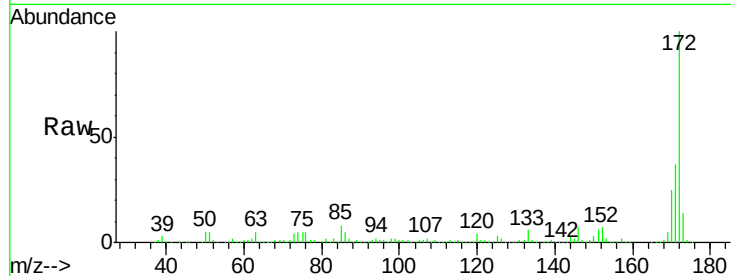




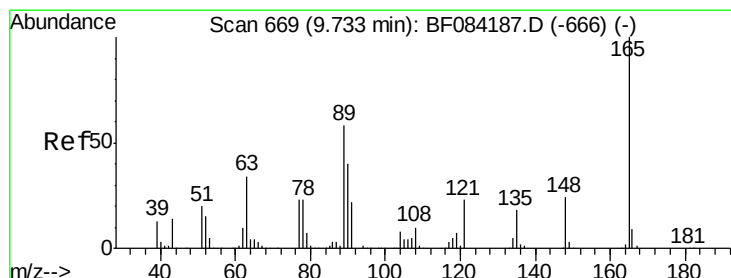
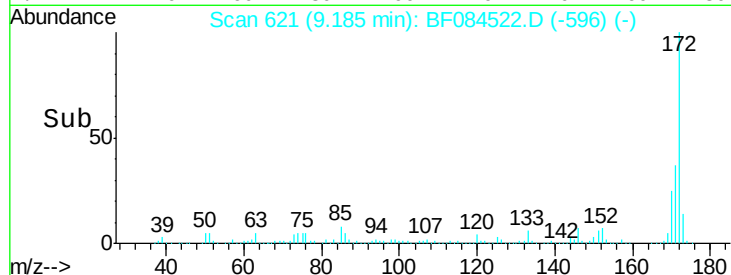
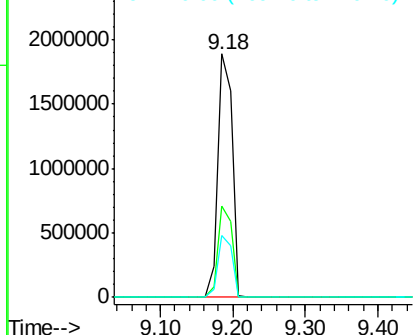
#44
 2-Fluorobiphenyl
 Concen: 119.01 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

Instrument :
 BNA_F
 ClientSampled :
 TWP-4

Tgt Ion:172 Resp: 2593329
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.2 18.6 27.8

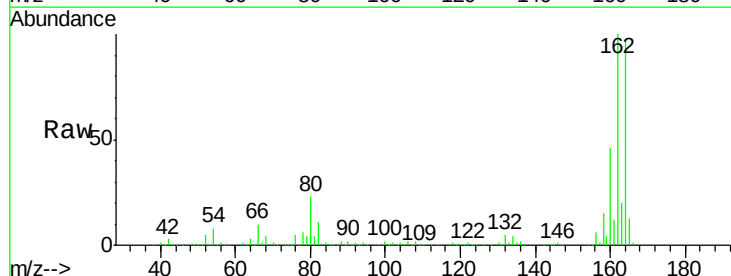


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

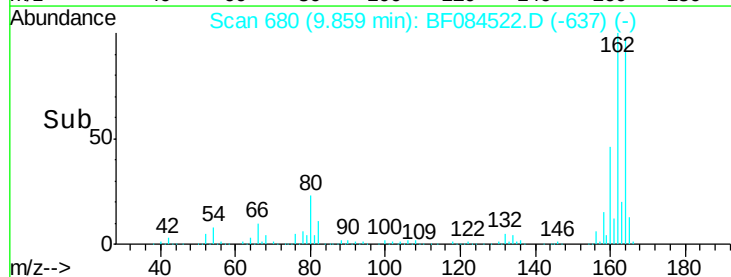
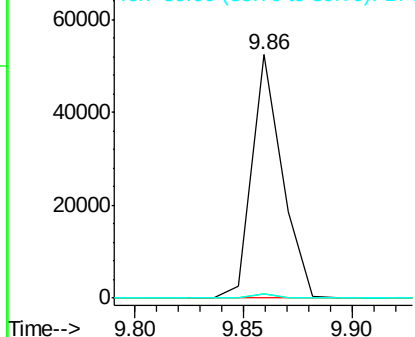


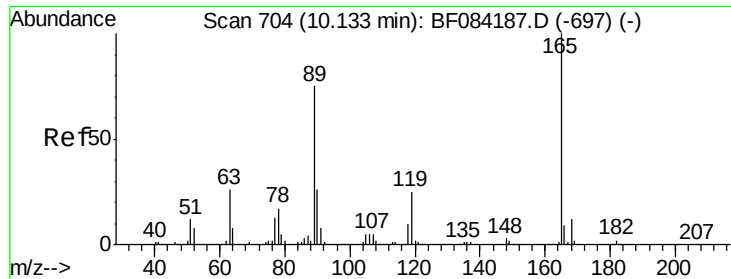
#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.19 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

Tgt Ion:165 Resp: 50700
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.8 43.2#
 89 1.6 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

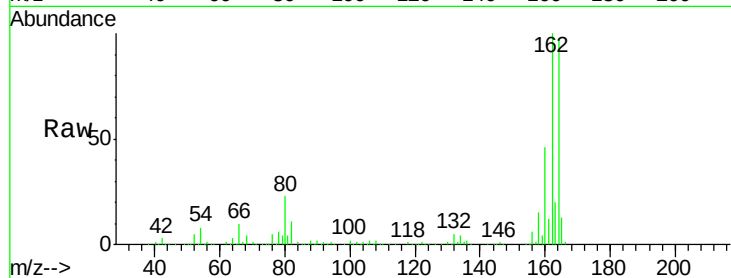




#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

Instrument :
 BNA_F
 ClientSampleId :
 TWP-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

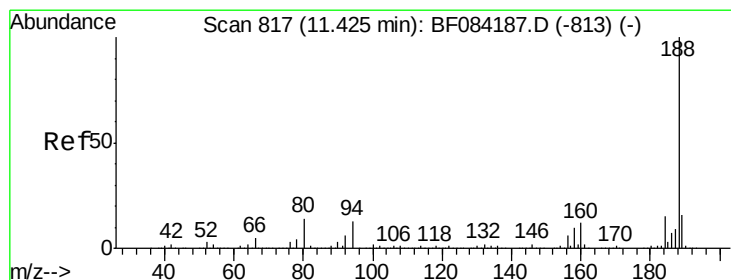
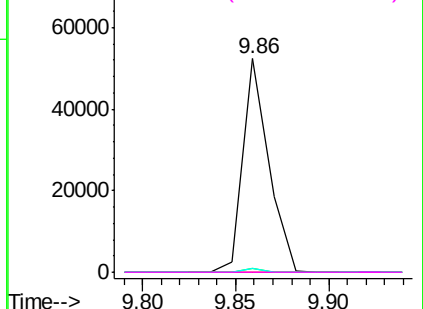
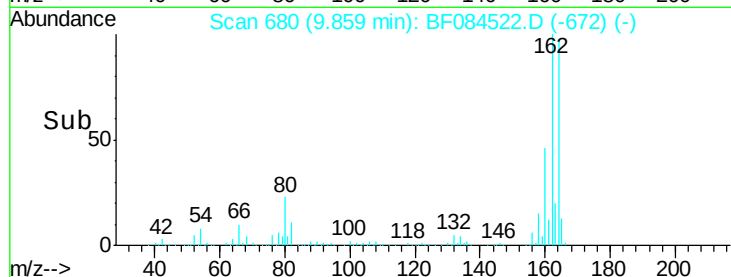


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

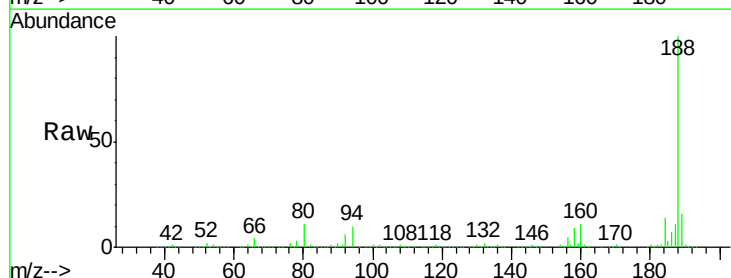
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

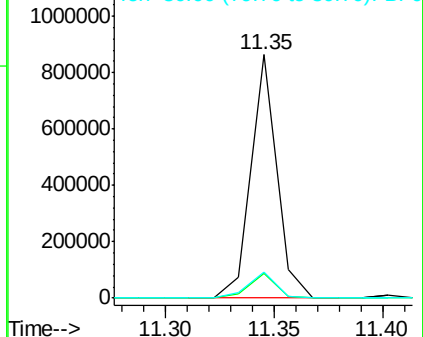
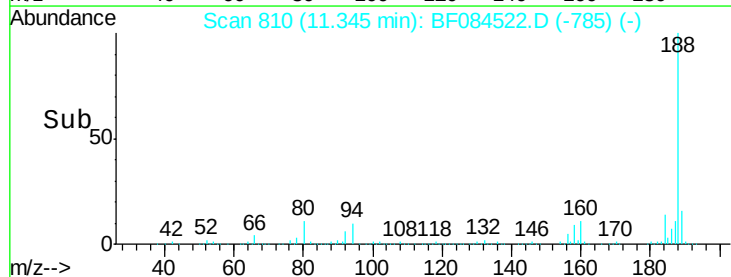
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.7	9.6	14.4

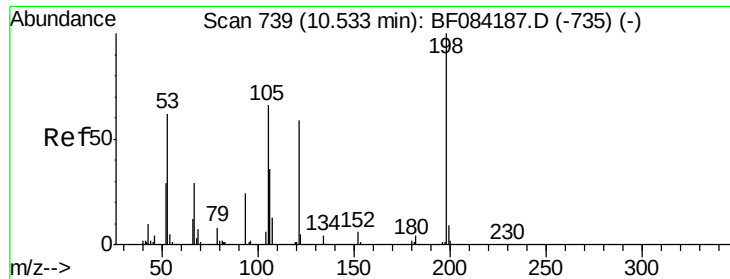


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

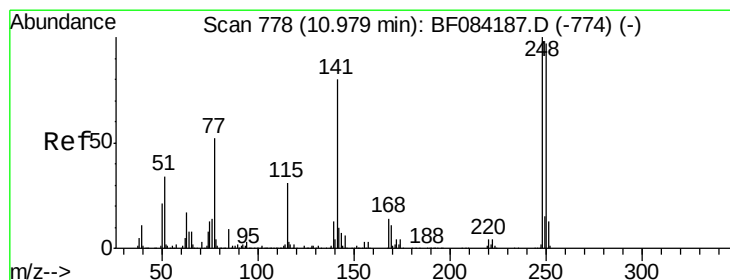
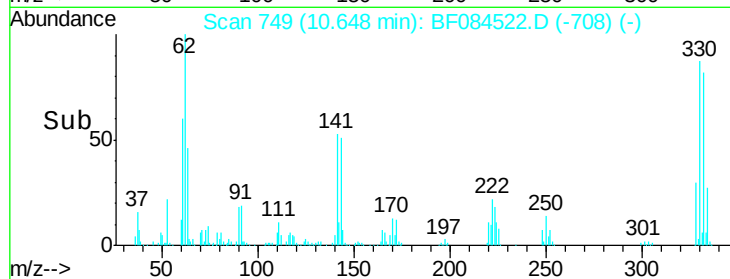
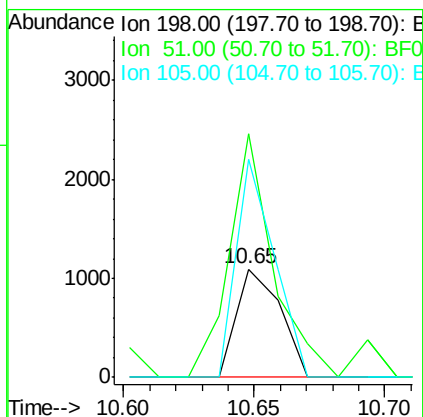
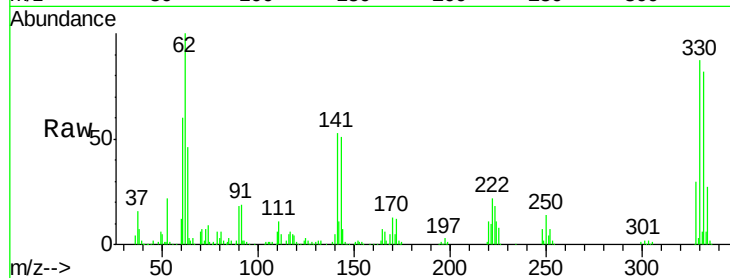




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.64 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.17 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

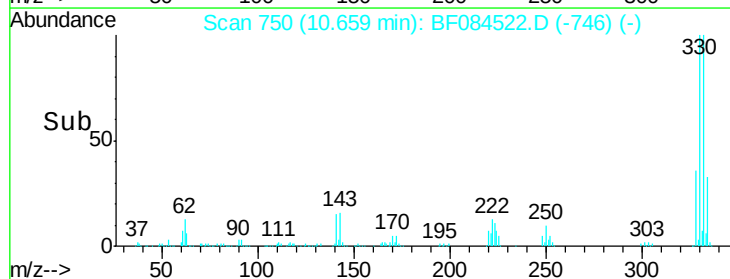
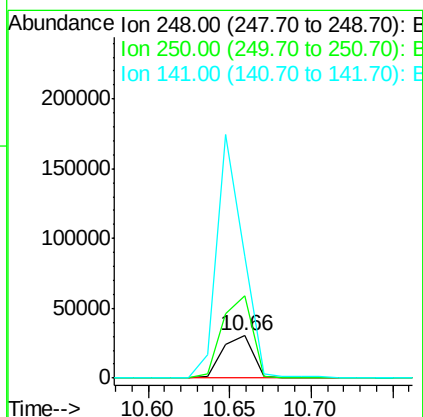
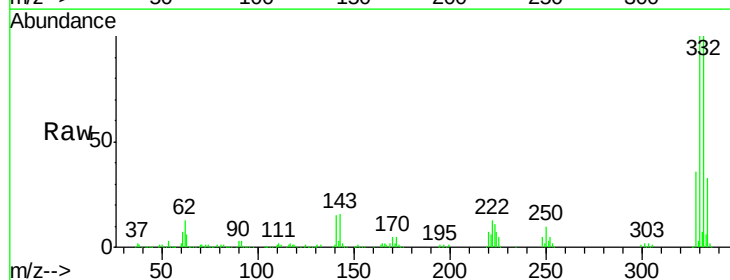
Instrument :
 BNA_F
 ClientSampleId :
 TWP-4

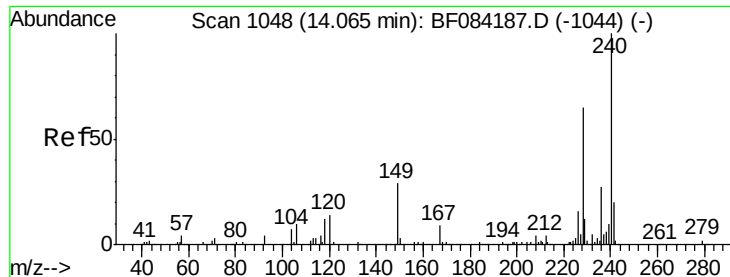
Tgt Ion:198 Resp: 1289
 Ion Ratio Lower Upper
 198 100
 51 224.9 18.9 58.9#
 105 201.1 26.4 66.4#



#66
 4-Bromophenyl-phenylether
 Concen: 5.12 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF084522.D
 Acq: 16 Jan 2016 6:16

Tgt Ion:248 Resp: 39392
 Ion Ratio Lower Upper
 248 100
 250 196.2 78.4 117.6#
 141 290.1 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

Instrument :

BNA_F

ClientSampleId :

TWP-4

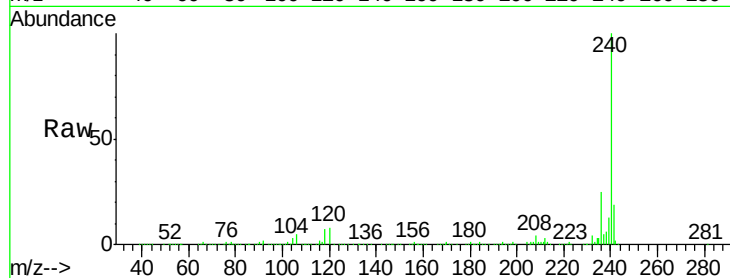
Tgt Ion:240 Resp: 559567

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

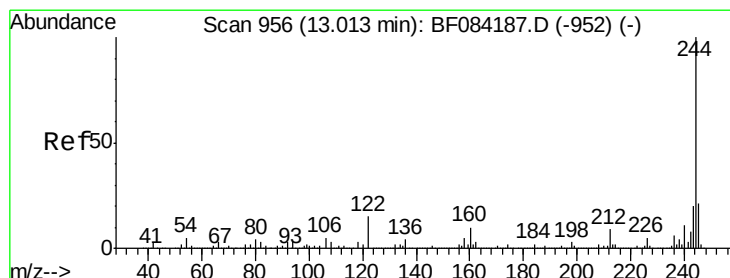
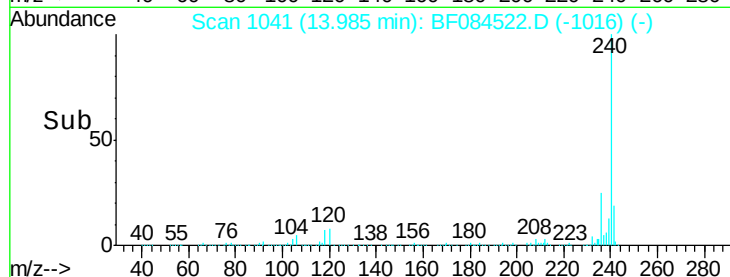
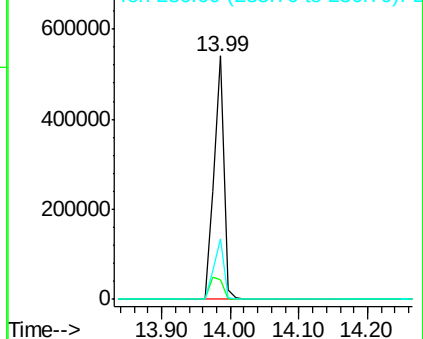
236 24.7 20.6 31.0



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: 74.58 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084522.D

Acq: 16 Jan 2016 6:16

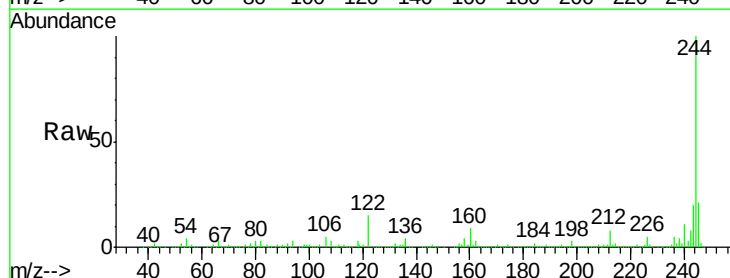
Tgt Ion:244 Resp: 1869499

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

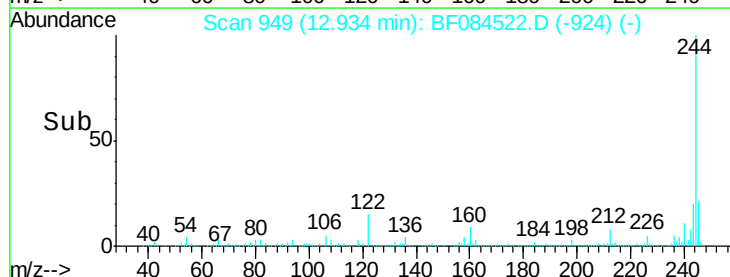
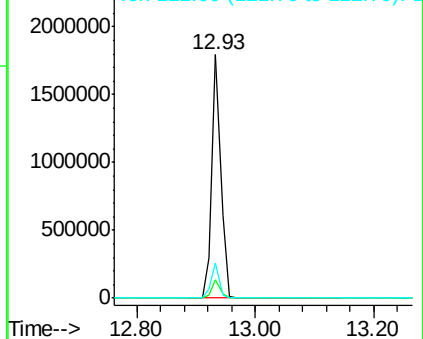
122 14.5 7.4 11.0#

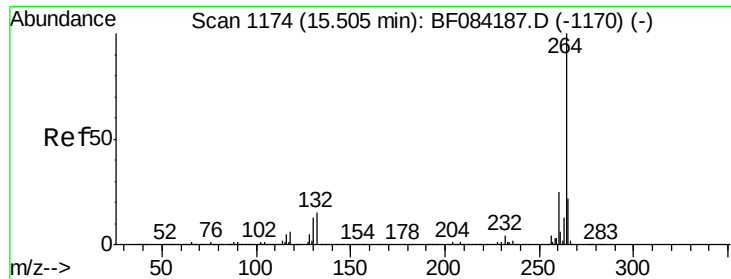


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084522.D
Acq: 16 Jan 2016 6:16

Instrument :
BNA_F
ClientSampleId :
TWP-4

Tgt Ion: 264 Resp: 508758
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.2 17.8 26.6

