

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084928.D
 Acq On : 8 Feb 2016 15:04
 Operator : SJ/IZ
 Sample : PB88243BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88243BL

Quant Time: Feb 09 02:34:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

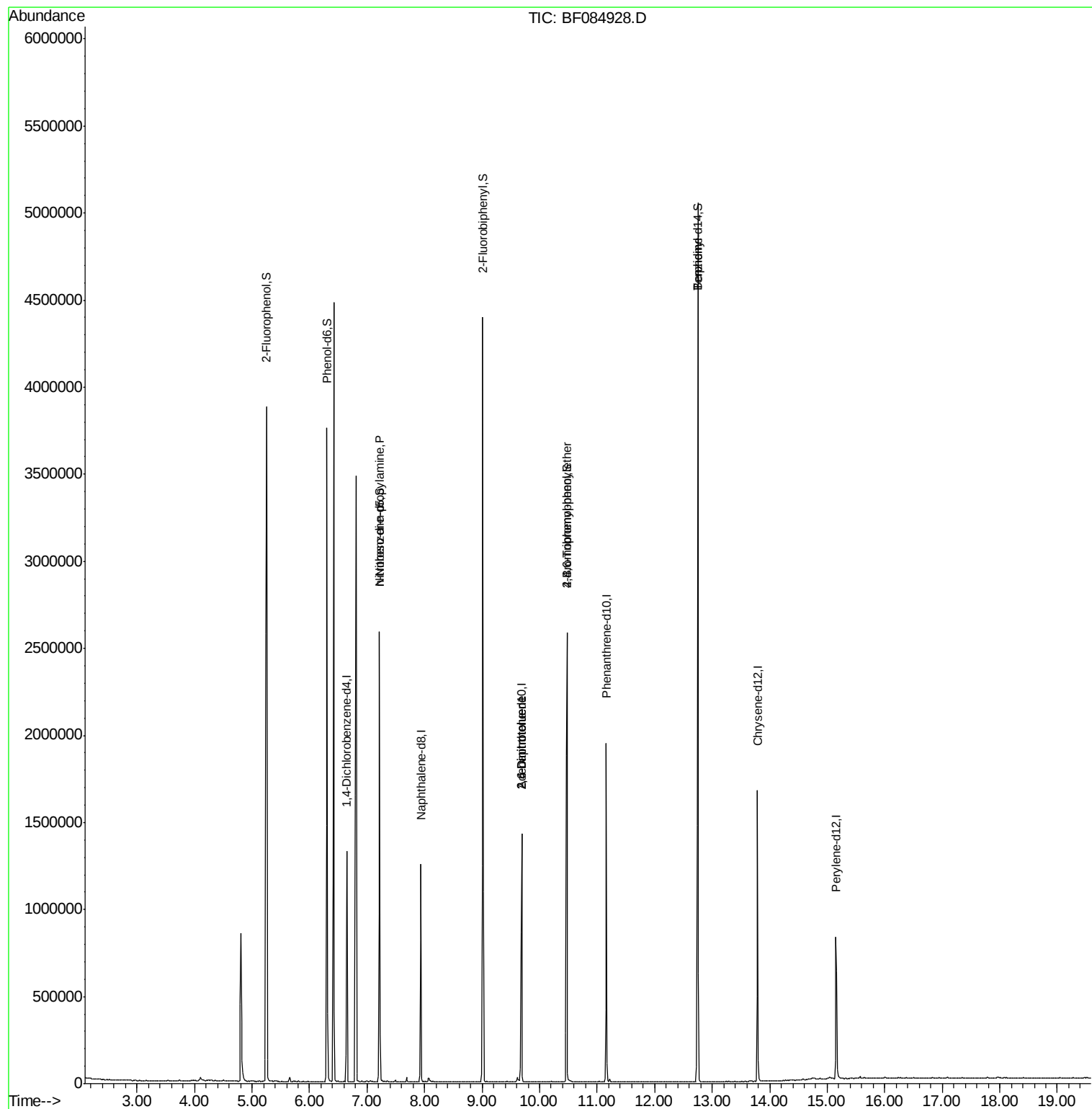
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	175458	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	733382	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	351189	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	682609	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	595575	20.00	ng	-0.05
86) Perylene-d12	15.15	264	421893	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1287943	114.34	ng	-0.02
7) Phenol-d6	6.30	99	1340803	96.01	ng	-0.03
23) Nitrobenzene-d5	7.22	82	887106	68.14	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	439192	119.89	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1543977	69.75	ng	-0.05
78) Terphenyl-d14	12.75	244	1585847	60.34	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	123166	14.07	ng	# 72
50) 2,6-Dinitrotoluene	9.69	165	44462	7.61	ng	# 38
56) 2,4-Dinitrotoluene	9.69	165	44462	5.97	ng	# 22
66) 4-Bromophenyl-phenylether	10.48	248	28213	3.74	ng	# 1
76) Benzidine	12.75	184	23668	7.64	ng	96

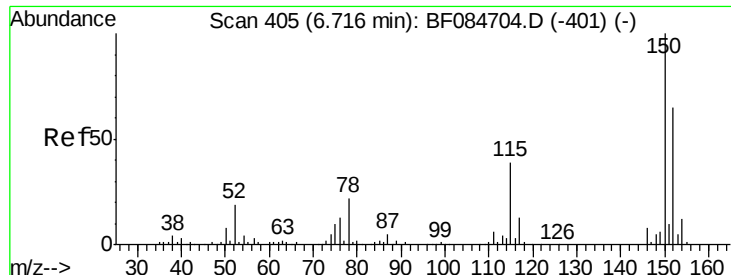
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

Instrument :

BNA_F

ClientSampleId :

PB88243BL

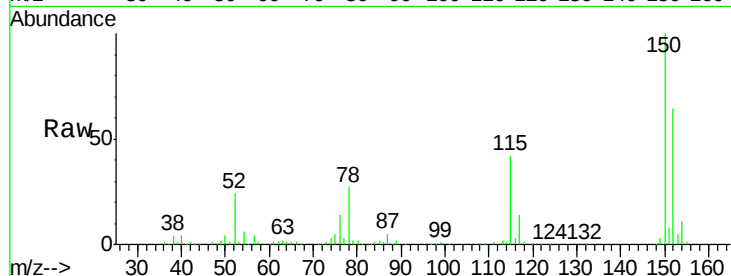
Tgt Ion:152 Resp: 175458

Ion Ratio Lower Upper

152 100

150 155.8 123.0 184.4

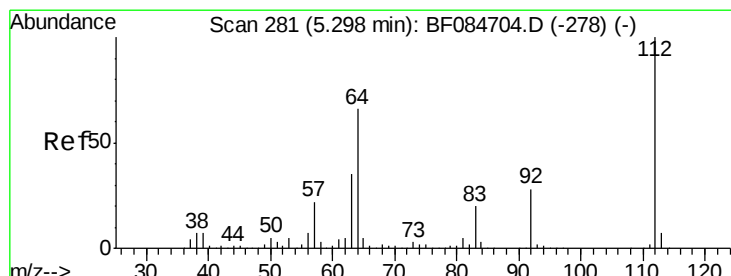
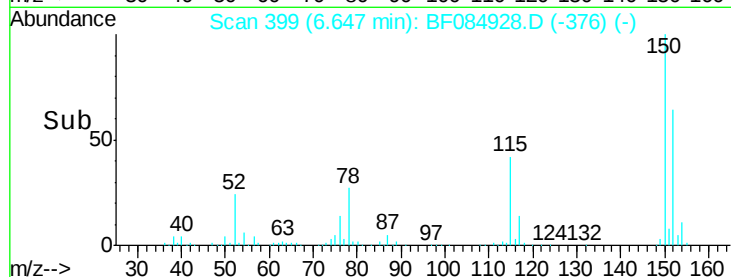
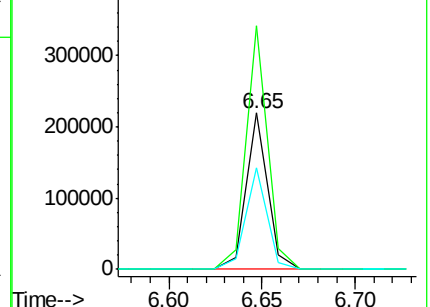
115 65.2 51.4 77.2



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: 114.34 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

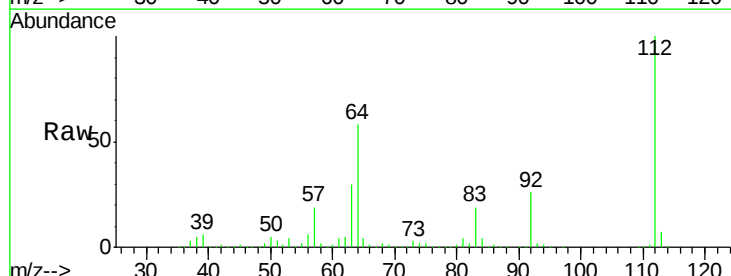
Tgt Ion:112 Resp: 1287943

Ion Ratio Lower Upper

112 100

64 57.9 36.6 55.0#

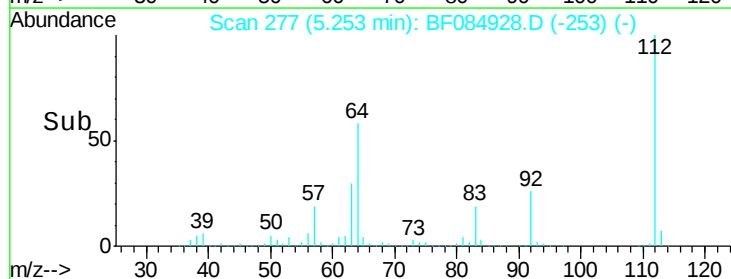
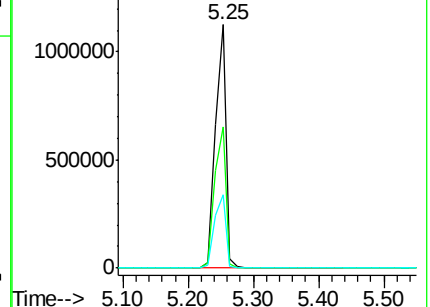
63 30.3 19.4 29.0#

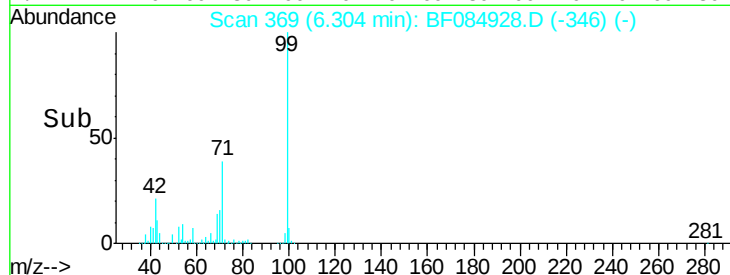
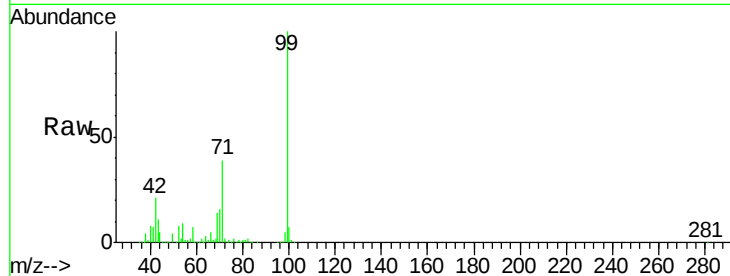
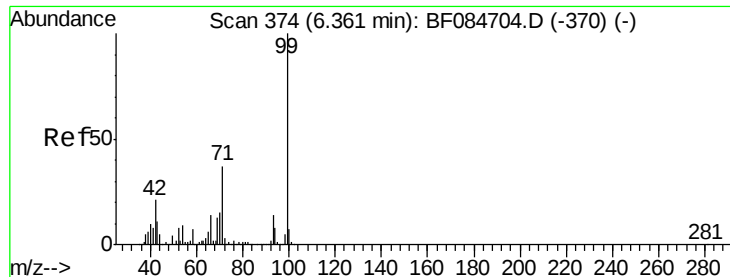


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.01 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

Instrument :

BNA_F

ClientSampleId :

PB88243BL

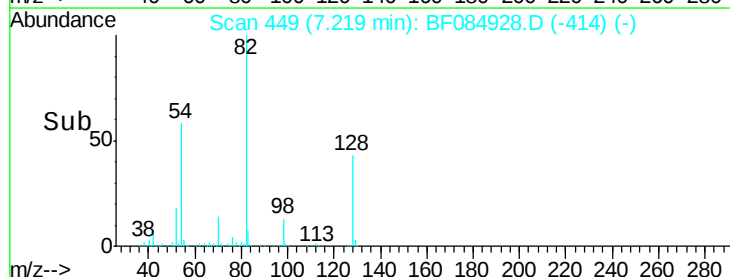
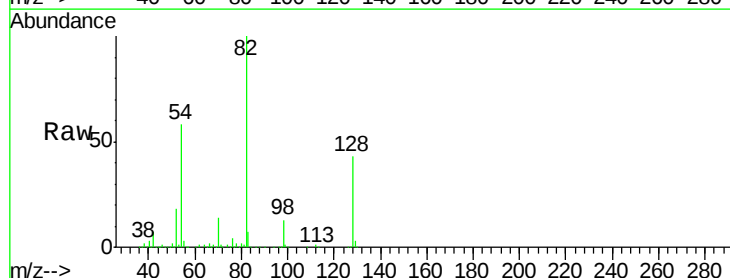
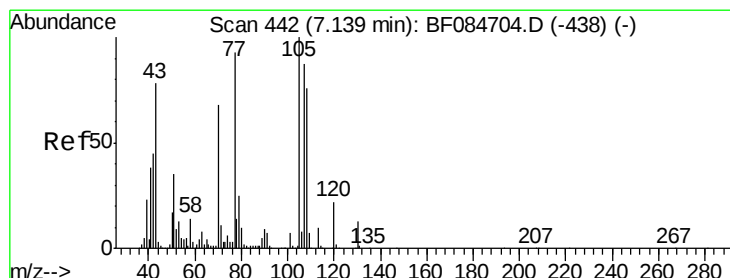
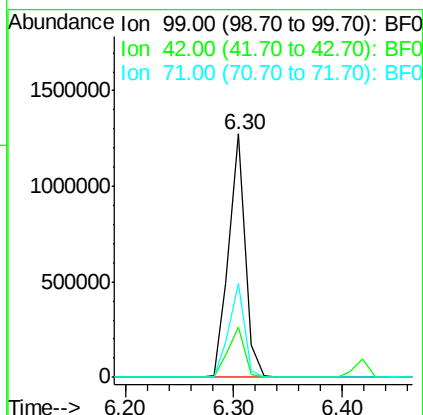
Tgt Ion: 99 Resp: 1340803

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

71 38.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.07 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.10 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

Tgt Ion: 70 Resp: 123166

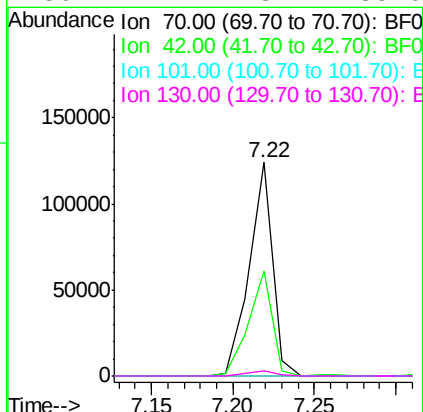
Ion Ratio Lower Upper

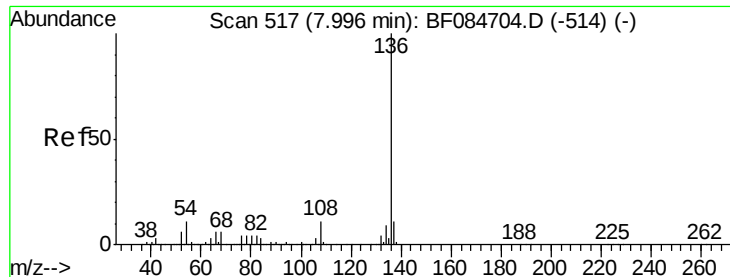
70 100

42 49.4 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

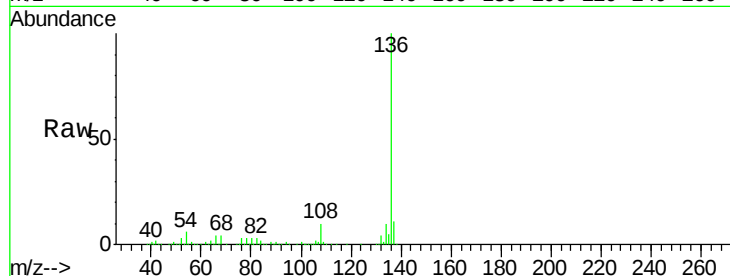




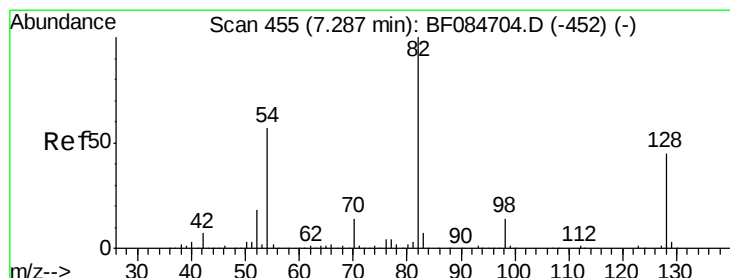
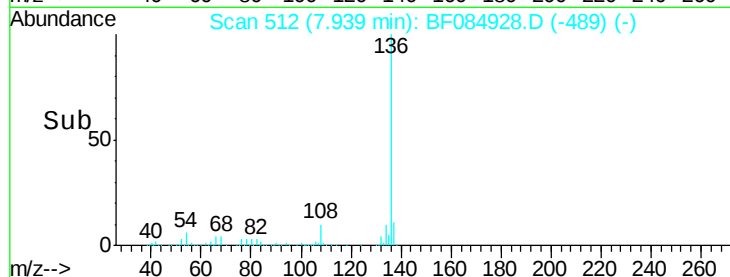
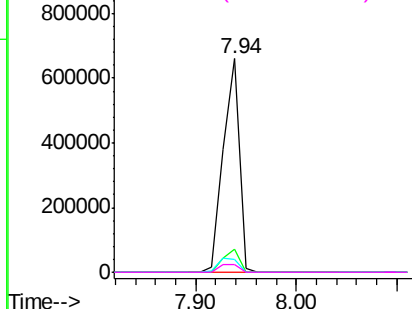
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084928.D
Acq: 8 Feb 2016 15:04

Instrument :
BNA_F
ClientSampleId :
PB88243BL

Tgt Ion:	136	Resp:	733382
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.3	5.8	8.8
68	3.8	4.2	6.2#

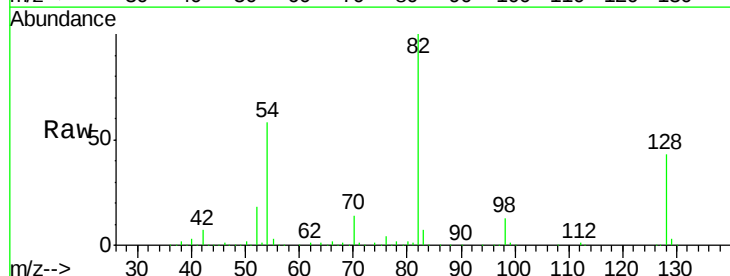


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

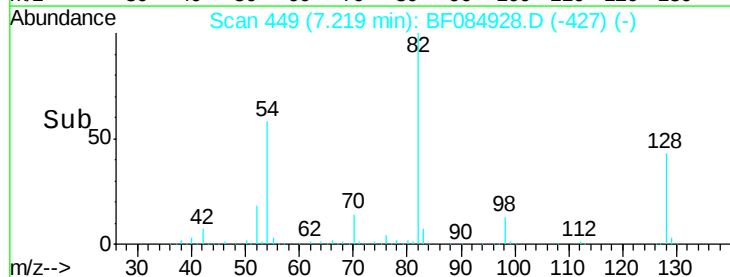
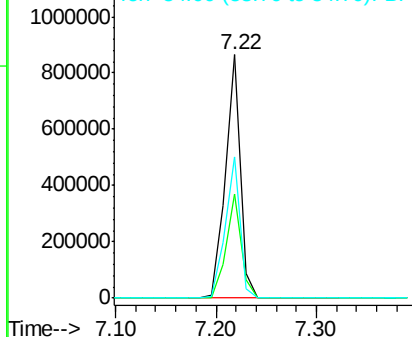


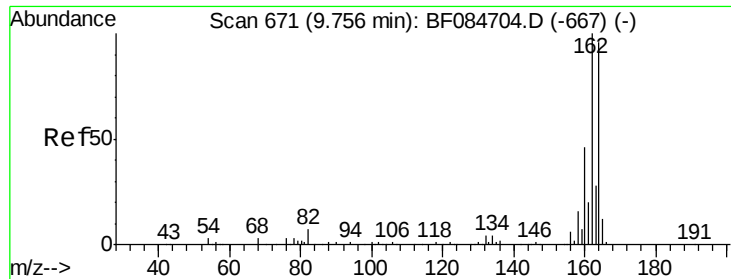
#23
Nitrobenzene-d5
Concen: 68.14 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084928.D
Acq: 8 Feb 2016 15:04

Tgt Ion:	82	Resp:	887106
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	51.8
54	58.2	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: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

Instrument :

BNA_F

ClientSampleId :

PB88243BL

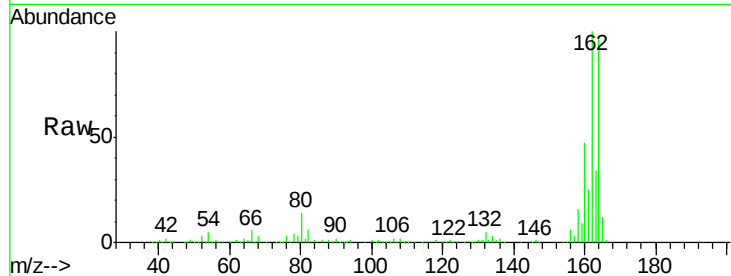
Tgt Ion:164 Resp: 351189

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

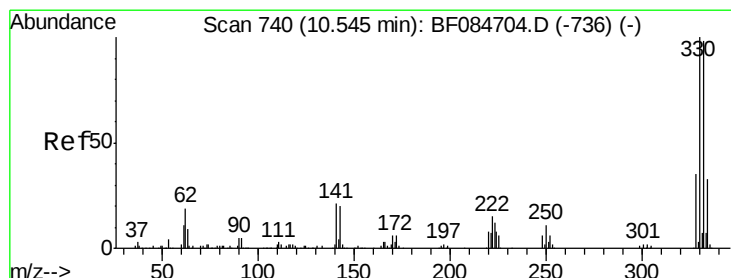
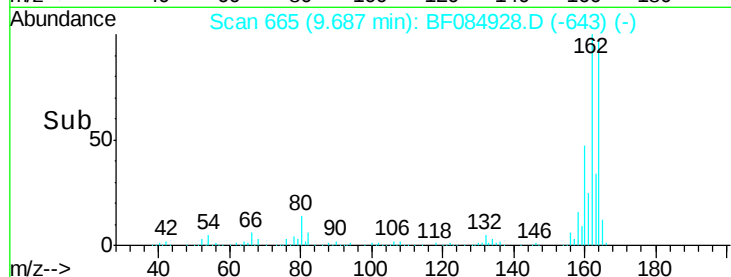
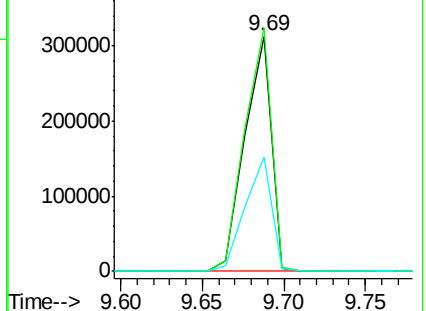
160 48.5 37.5 56.3



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: 119.89 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

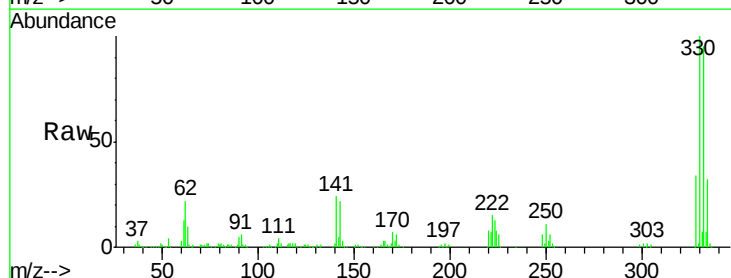
Tgt Ion:330 Resp: 439192

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

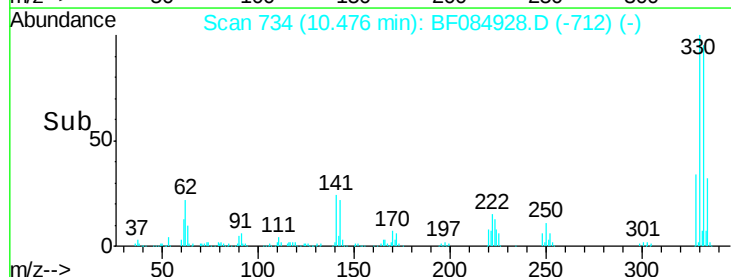
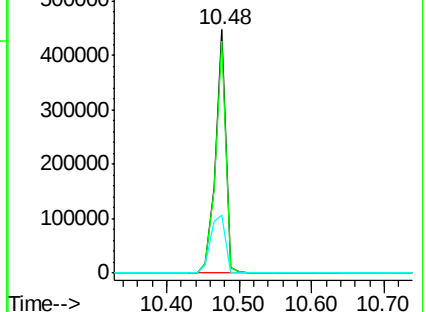
141 34.4 27.8 41.6

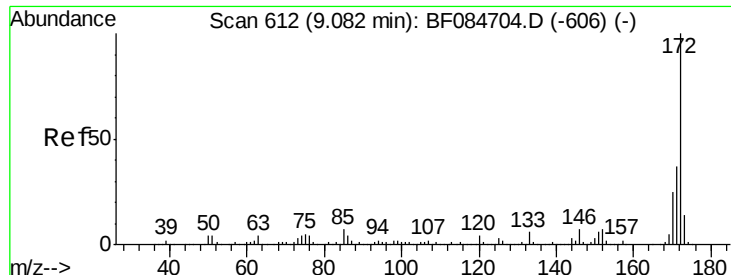


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

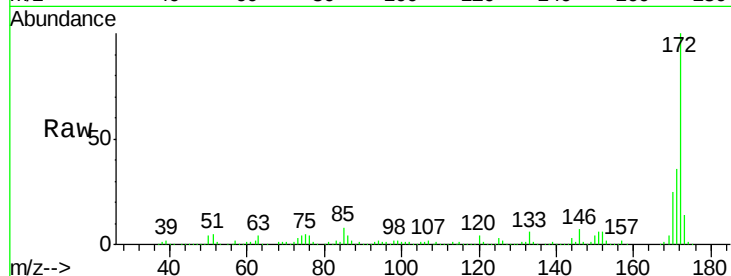




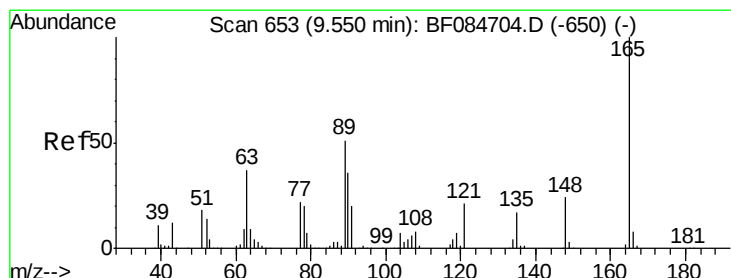
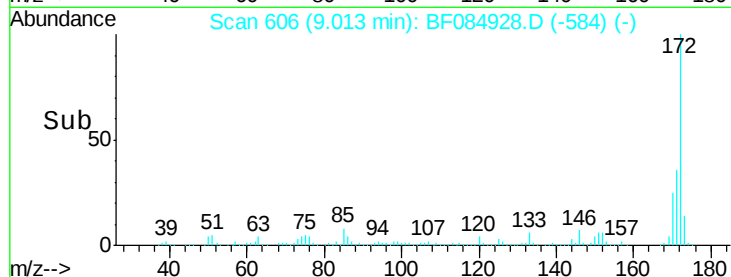
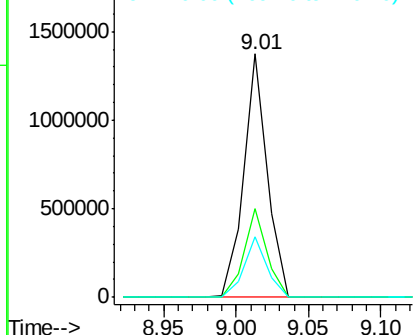
#44
 2-Fluorobiphenyl
 Concen: 69.75 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084928.D
 Acq: 8 Feb 2016 15:04

Instrument :
 BNA_F
 ClientSampleId :
 PB88243BL

Tgt Ion:172 Resp: 1543977
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 24.8 18.6 27.8

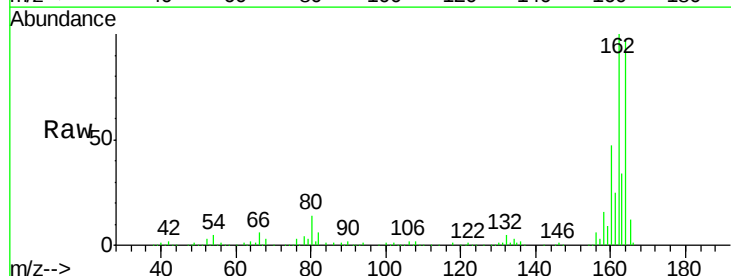


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

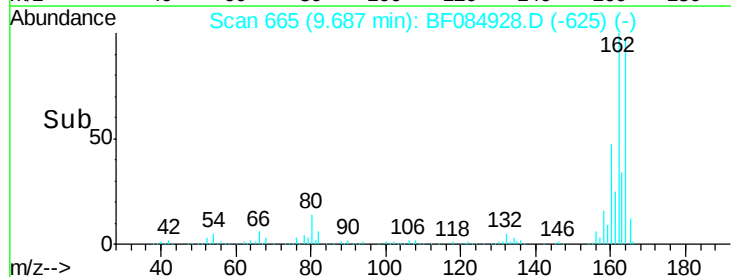
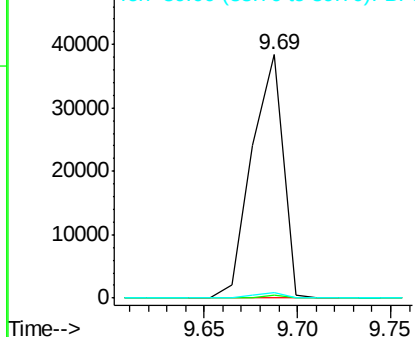


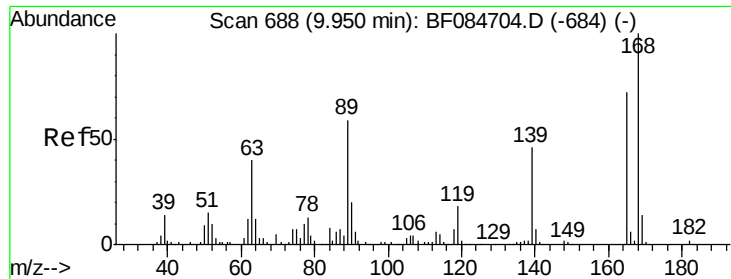
#50
 2,6-Dinitrotoluene
 Concen: 7.61 ng
 RT: 9.69 min Scan# 665
 Delta R.T. 0.16 min
 Lab File: BF084928.D
 Acq: 8 Feb 2016 15:04

Tgt Ion:165 Resp: 44462
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 2.0 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

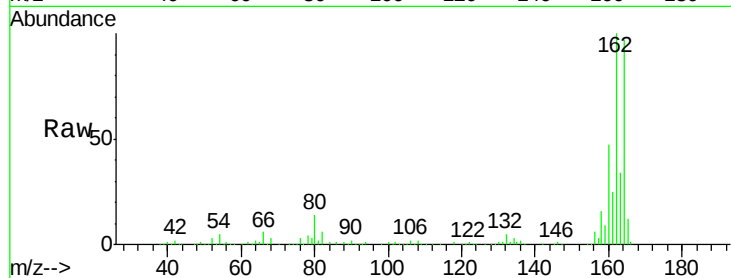




#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.24 min
 Lab File: BF084928.D
 Acq: 8 Feb 2016 15:04

Instrument :
 BNA_F
 ClientSampleId :
 PB88243BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	2.0	61.9	92.9#
182	0.0	2.0	3.0#

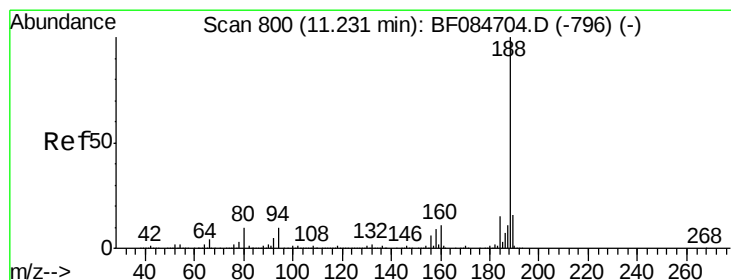
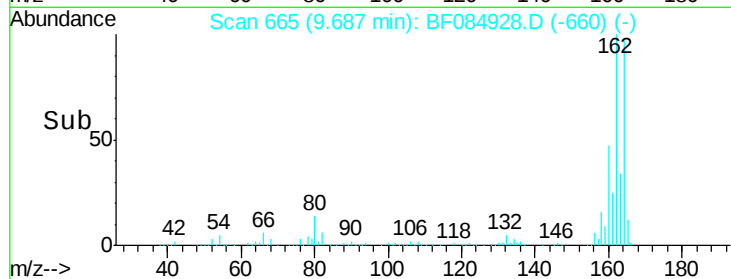
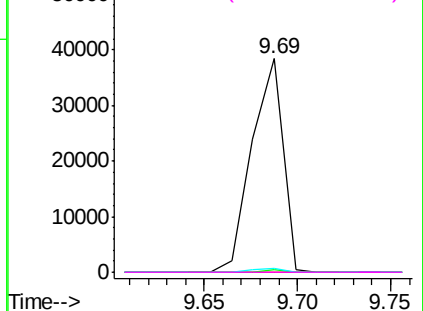


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

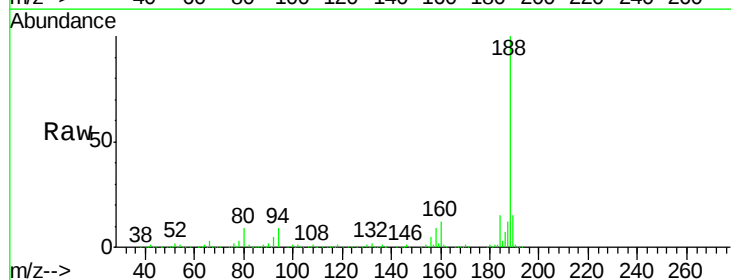
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 794
 Delta R.T. -0.05 min
 Lab File: BF084928.D
 Acq: 8 Feb 2016 15:04

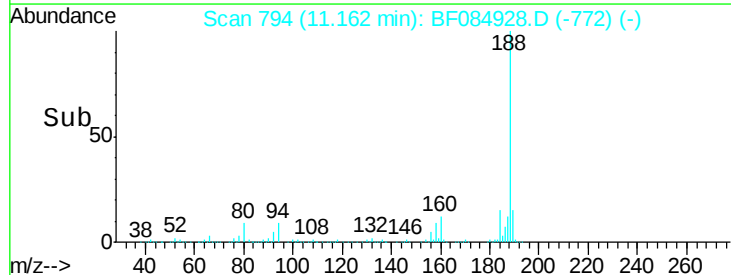
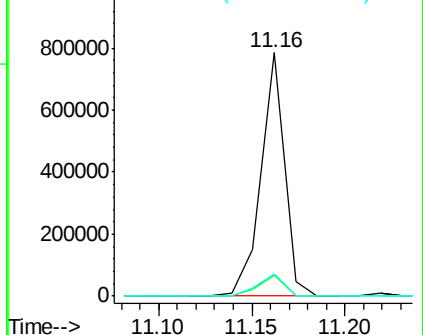
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	9.1	9.6	14.4#

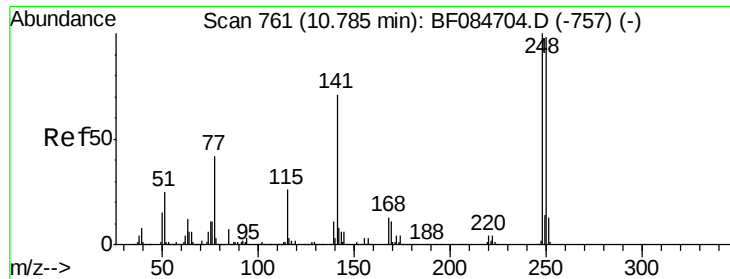


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

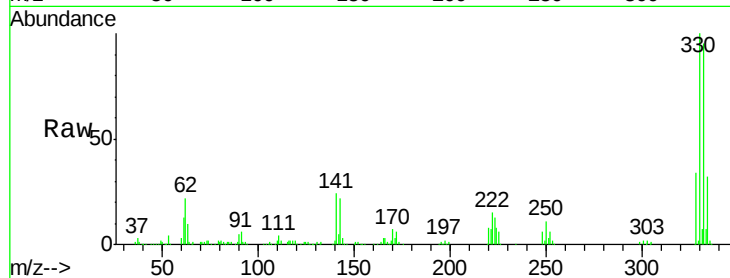




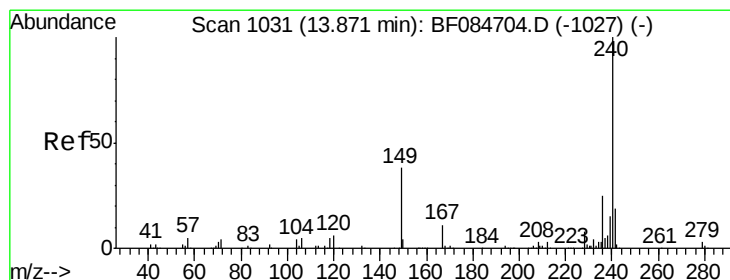
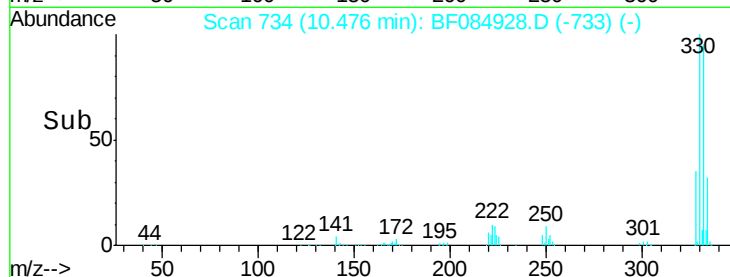
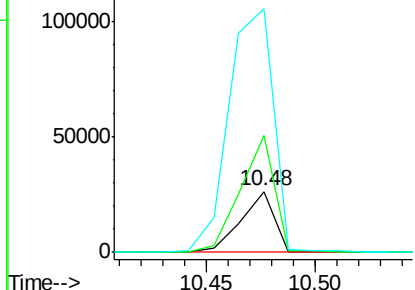
#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.29 min
Lab File: BF084928.D
Acq: 8 Feb 2016 15:04

Instrument :
BNA_F
ClientSampled :
PB88243BL

Tgt Ion:248 Resp: 28213
Ion Ratio Lower Upper
248 100
250 192.1 78.4 117.6#
141 400.0 44.0 66.0#

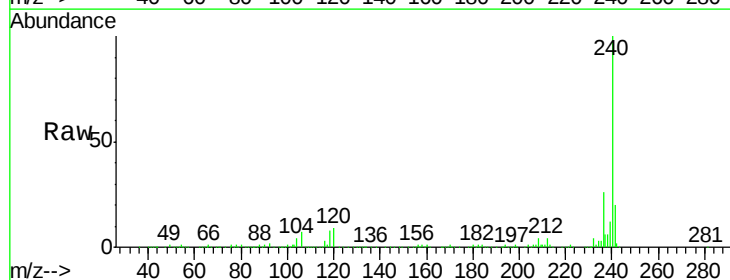


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

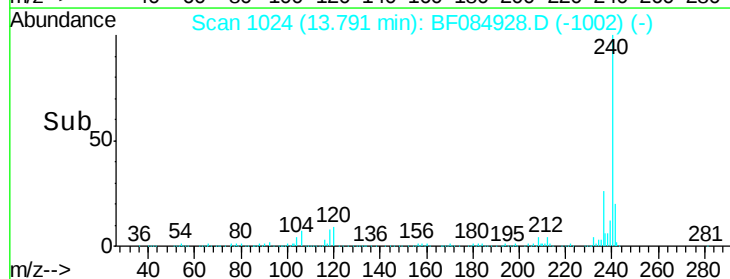
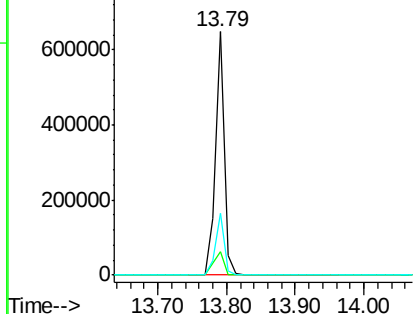


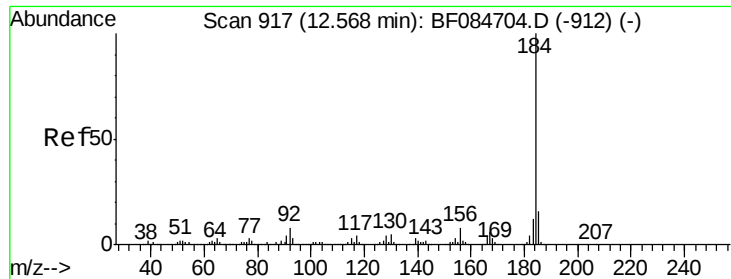
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF084928.D
Acq: 8 Feb 2016 15:04

Tgt Ion:240 Resp: 595575
Ion Ratio Lower Upper
240 100
120 9.4 9.5 14.3#
236 25.7 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





#76

Benzidine

Concen: 7.64 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.21 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

Instrument :

BNA_F

ClientSampleId :

PB88243BL

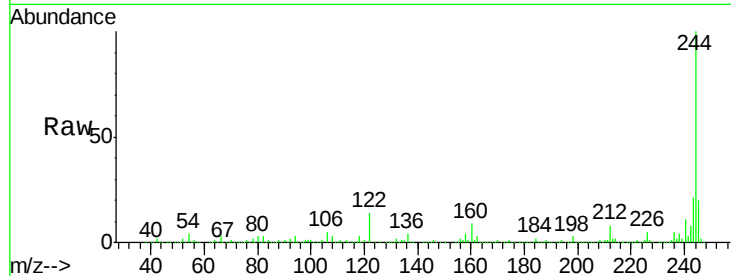
Tgt Ion:184 Resp: 23668

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

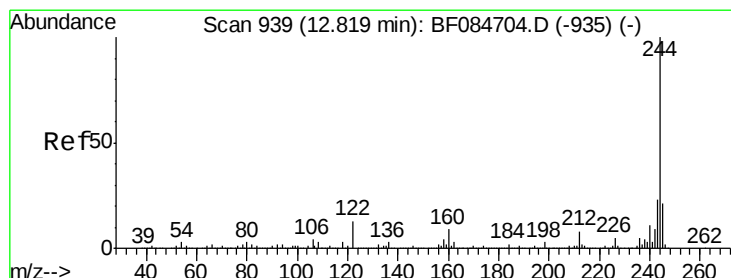
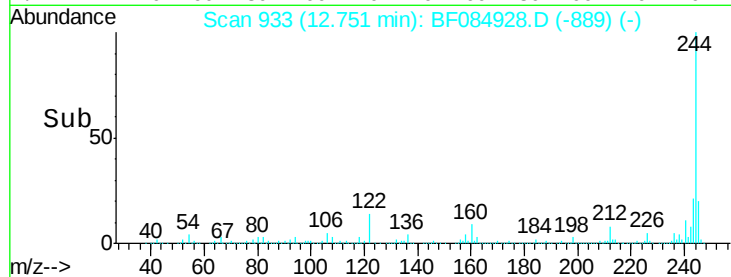
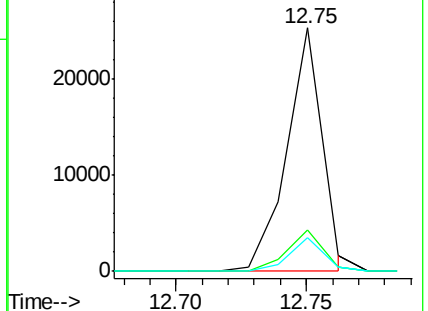
183 14.0 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 60.34 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084928.D

Acq: 8 Feb 2016 15:04

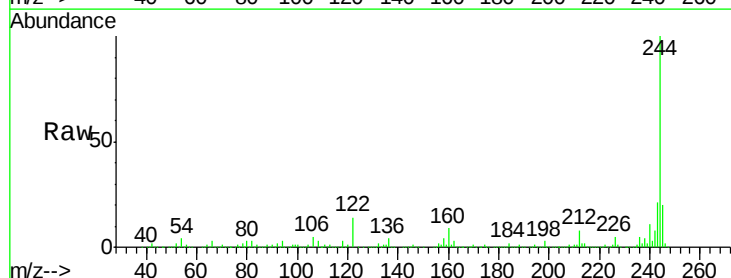
Tgt Ion:244 Resp: 1585847

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

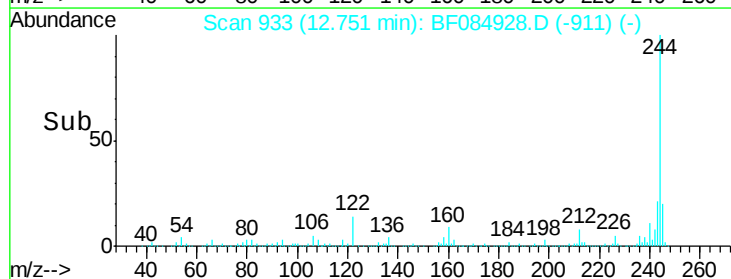
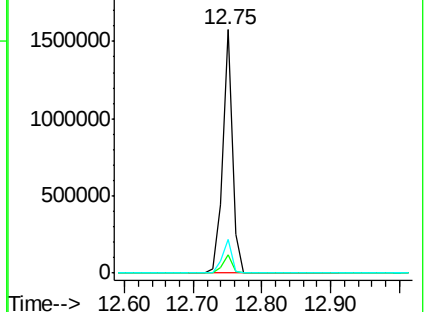
122 14.1 7.4 11.0#

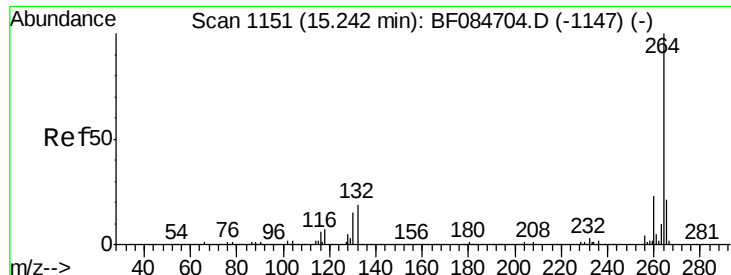


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

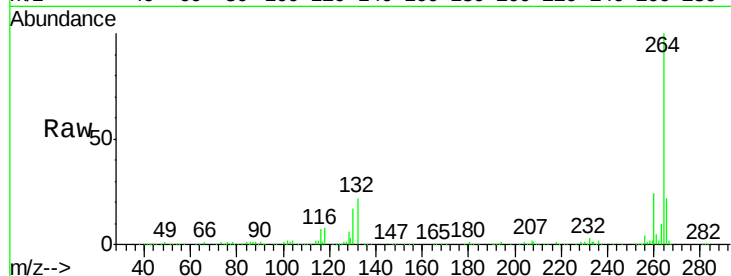




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.06 min
Lab File: BF084928.D
Acq: 8 Feb 2016 15:04

Instrument :
BNA_F
ClientSampleId :
PB88243BL

Tgt Ion:	264	Resp:	421893
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.4	17.8	26.6



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

