

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086861.D
 Acq On : 10 May 2016 15:53
 Operator : UM/SJ
 Sample : H2912-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CEDAR-HILL-TF-PS-002

Quant Time: May 11 03:42:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

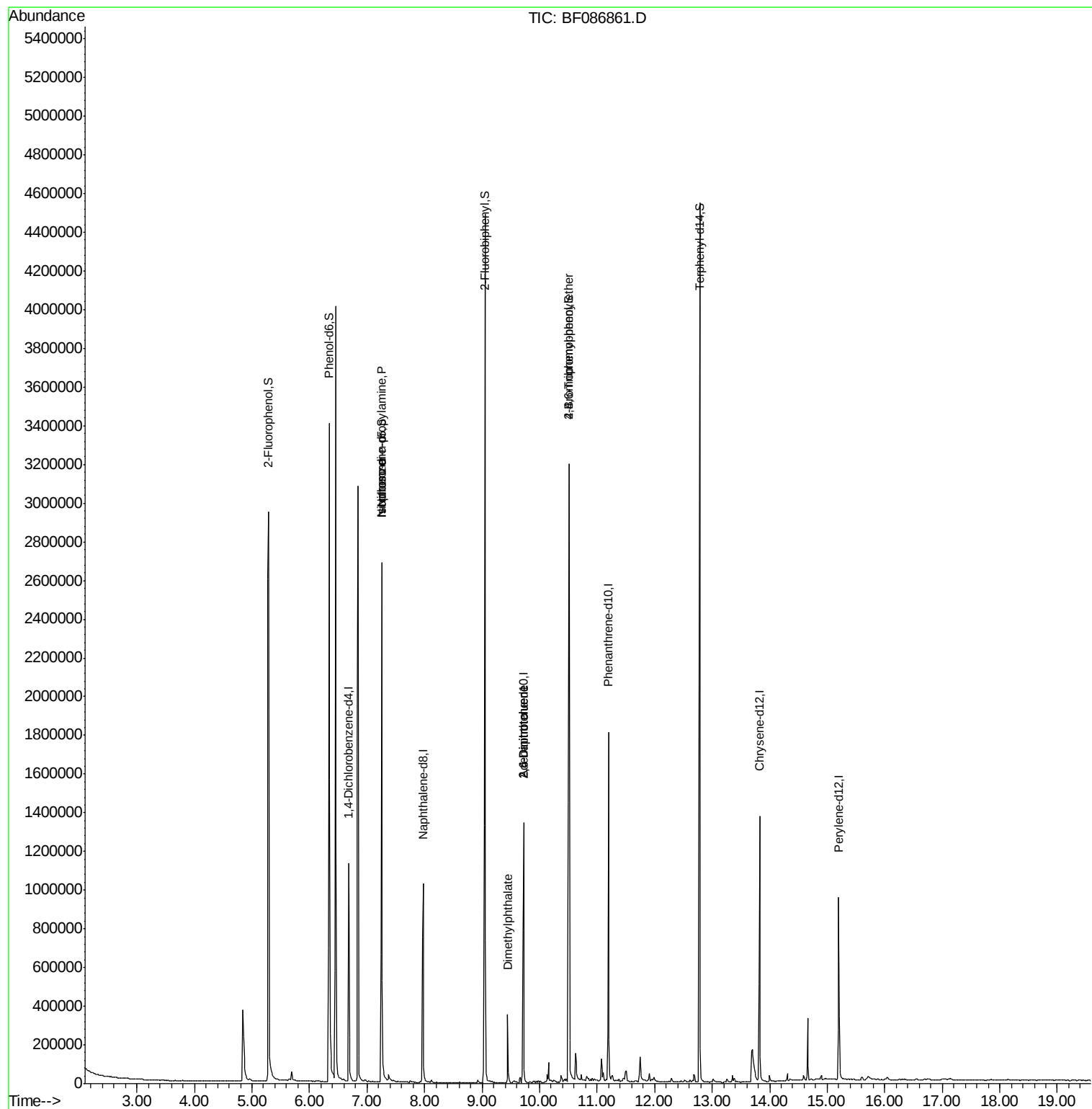
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	155157	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	617258	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	314117	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	598936	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	501421	20.00	ng	-0.01
86) Perylene-d12	15.20	264	401314	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1090224	119.00	ng	0.00
7) Phenol-d6	6.34	99	1346151	109.94	ng	-0.02
23) Nitrobenzene-d5	7.25	82	883513	71.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	381330	114.67	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1438304	76.96	ng	-0.01
78) Terphenyl-d14	12.79	244	1507216	63.78	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	121524	14.20	ng	# 70
25) Isophorone	7.25	82	735083	32.23	ng	# 68
49) Dimethylphthalate	9.45	163	129024	5.38	ng	99
50) 2,6-Dinitrotoluene	9.72	165	39514	7.83	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	39516	6.33	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	25397	4.18	ng	# 1

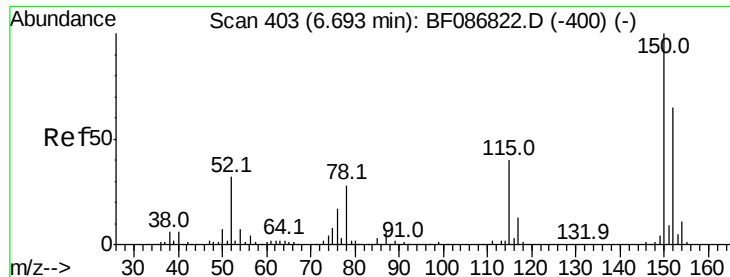
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

CEDAR-HILL-TF-PS-002

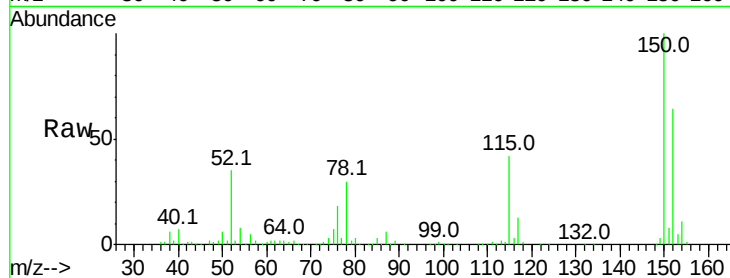
Tot Ion:152 Resp: 155157

Ion Ratio Lower Upper

152 100

150 157.0 125.8 188.6

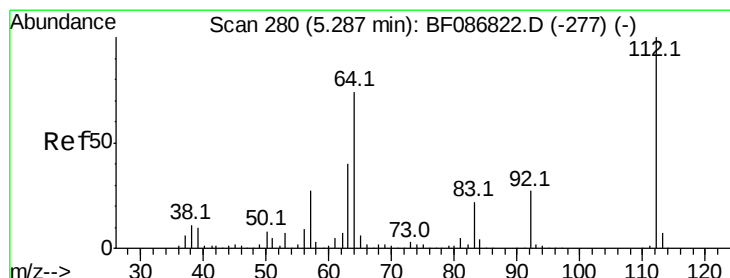
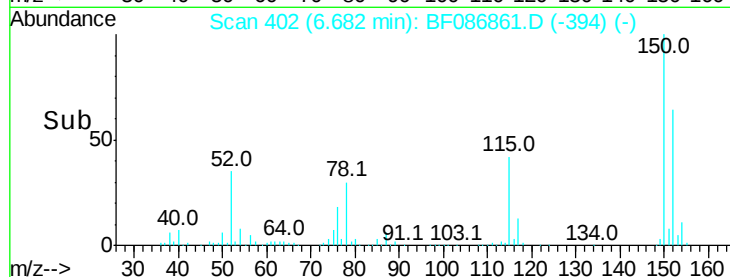
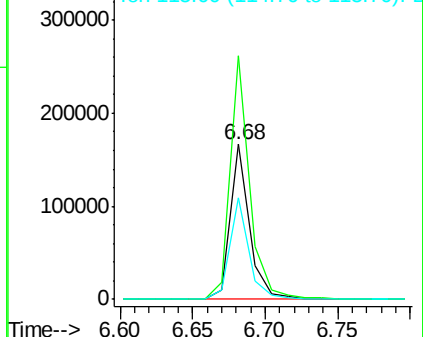
115 65.7 51.5 77.3



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: 119.00 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

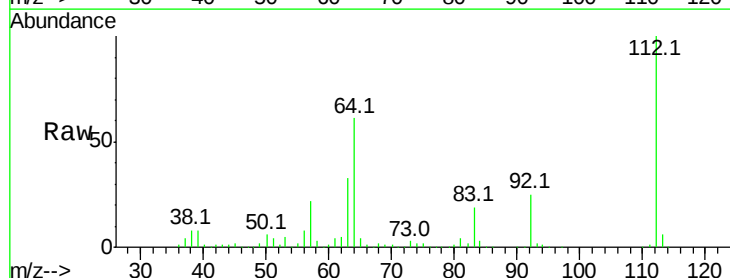
Tgt Ion:112 Resp: 1090224

Ion Ratio Lower Upper

112 100

64 60.8 52.1 78.1

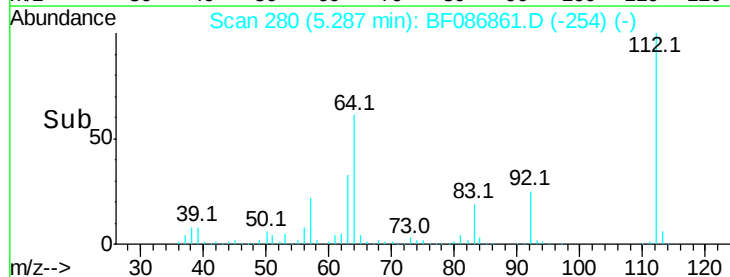
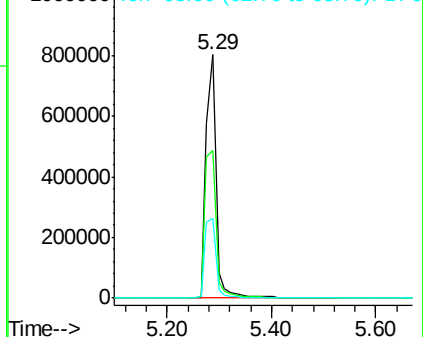
63 32.8 25.7 38.5

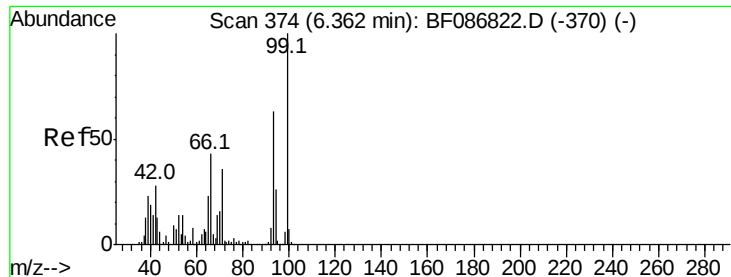


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.94 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

CEDAR-HILL-TF-PS-002

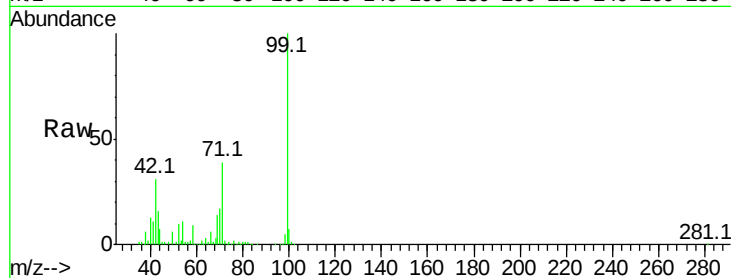
Tot Ion: 99 Resp: 1346151

Ion Ratio Lower Upper

99 100

42 31.2 13.6 20.4#

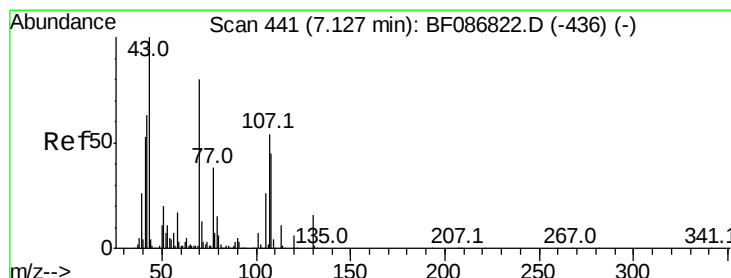
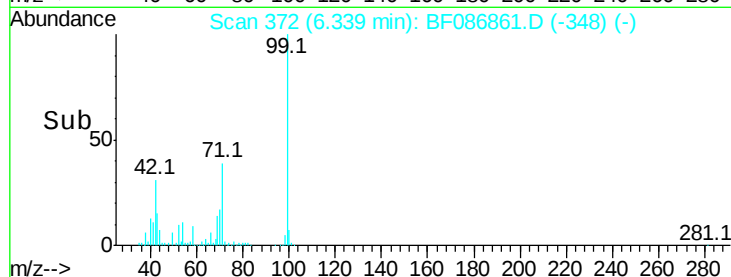
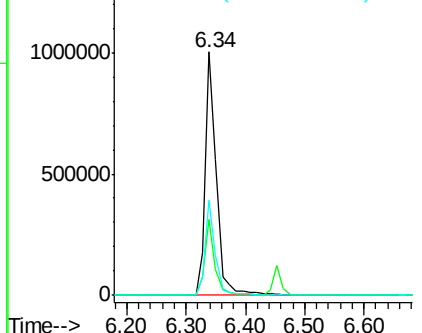
71 39.1 24.6 36.8#



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: 14.20 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.13 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Tgt Ion: 70 Resp: 121524

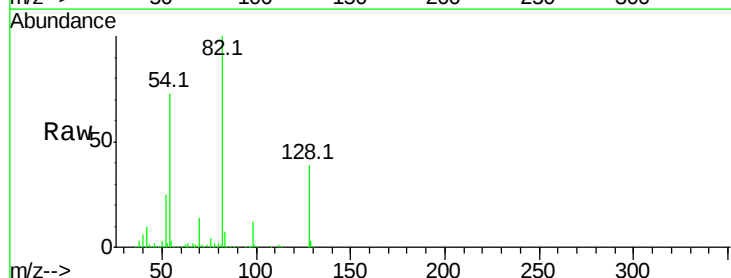
Ion Ratio Lower Upper

70 100

42 70.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

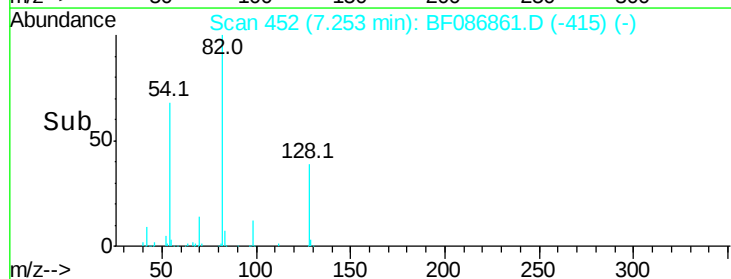
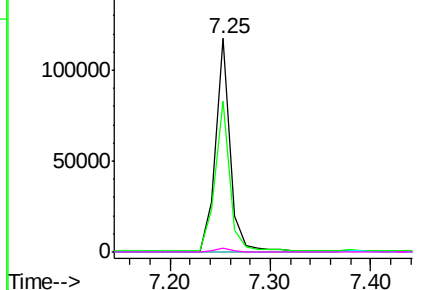


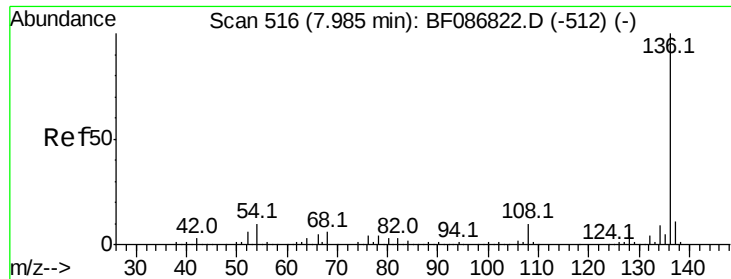
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

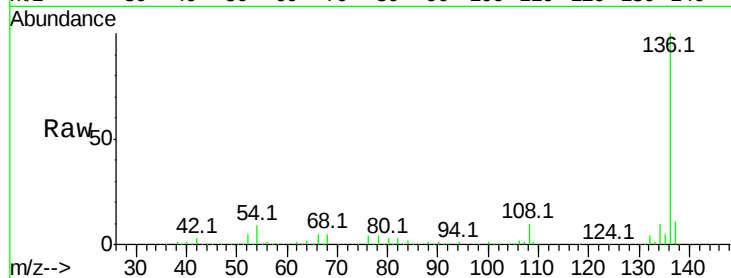




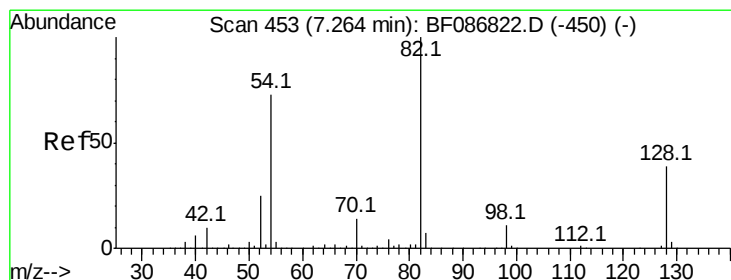
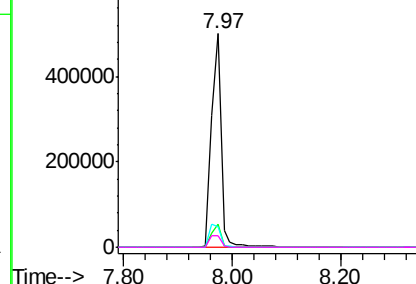
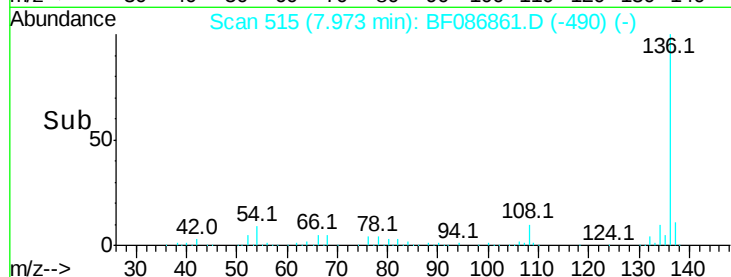
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086861.D
Acq: 10 May 2016 15:53

Instrument :
BNA_F
ClientSampleId :
CEDAR-HILL-TF-PS-002

Tot Ion:	136	Resp:	617258
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.5	5.0	7.4#
68	5.5	4.4	6.6

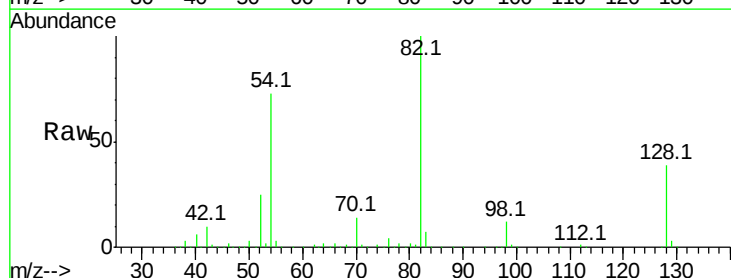


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

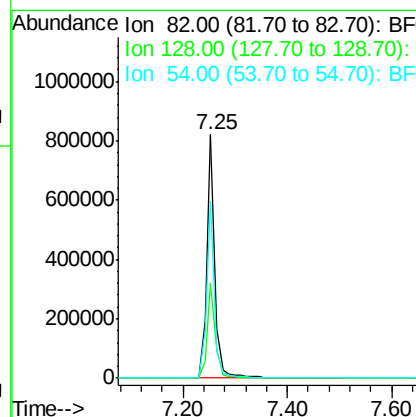
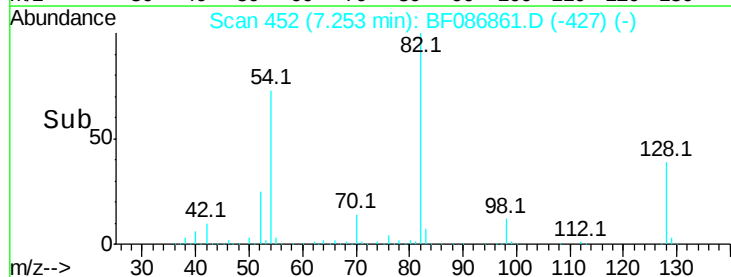


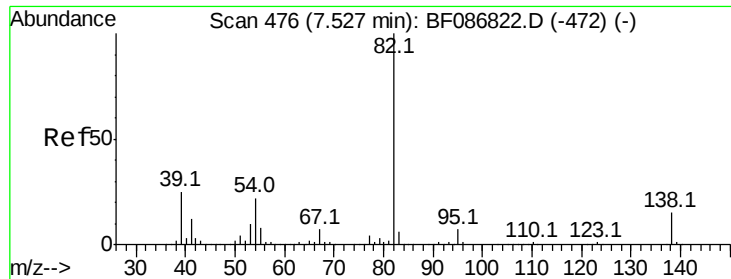
#23
Nitrobenzene-d5
Concen: 71.87 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086861.D
Acq: 10 May 2016 15:53

Tgt Ion:	82	Resp:	883513
Ion	Ratio	Lower	Upper
82	100		
128	38.9	40.6	61.0#
54	72.6	38.1	57.1#



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





#25

Isophorone

Concen: 32.23 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.27 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

CEDAR-HILL-TF-PS-002

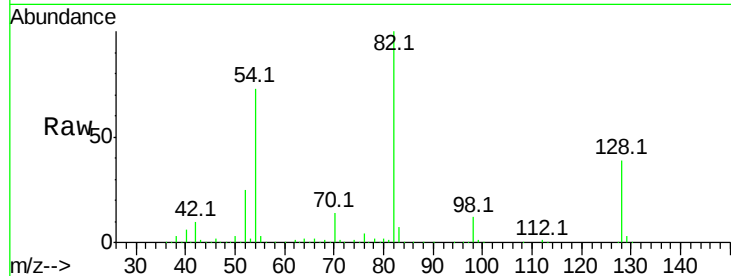
Tot Ion: 82 Resp: 735083

Ion Ratio Lower Upper

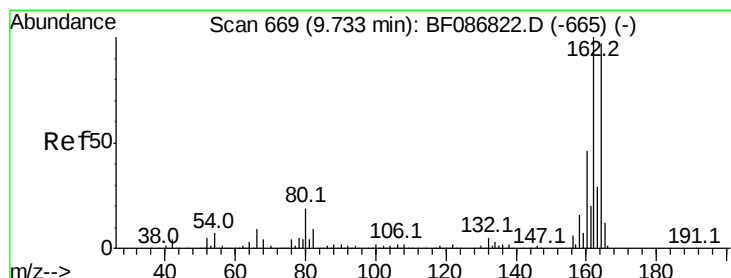
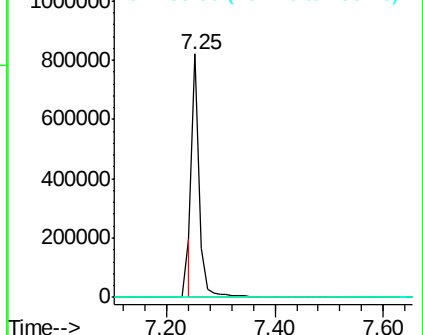
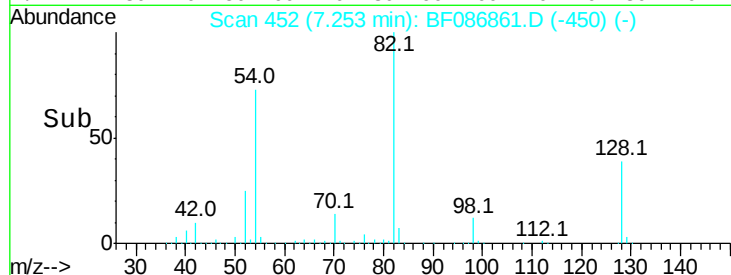
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

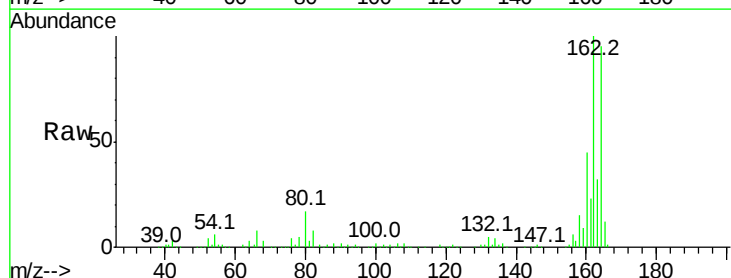
Tgt Ion:164 Resp: 314117

Ion Ratio Lower Upper

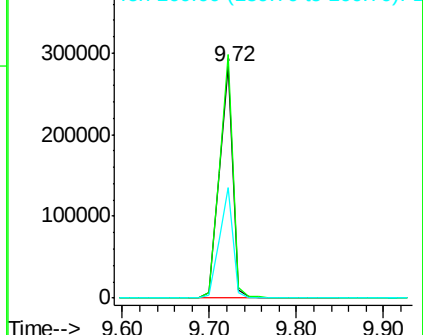
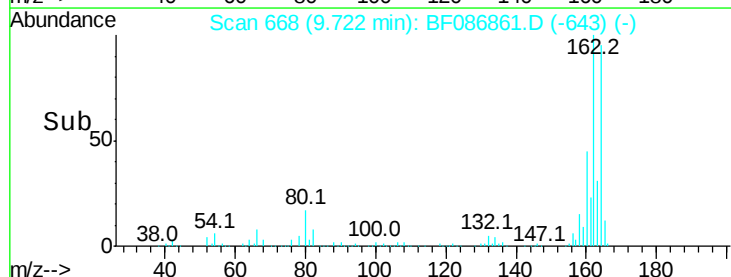
164 100

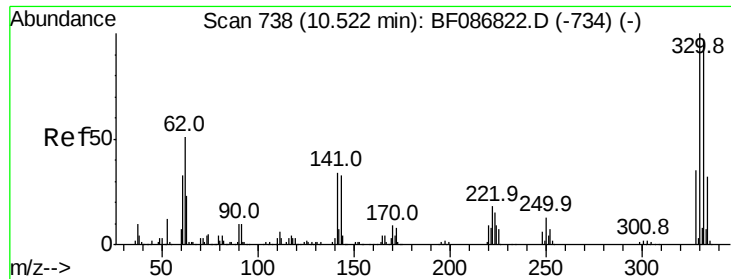
162 105.1 82.8 124.2

160 47.7 36.9 55.3



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

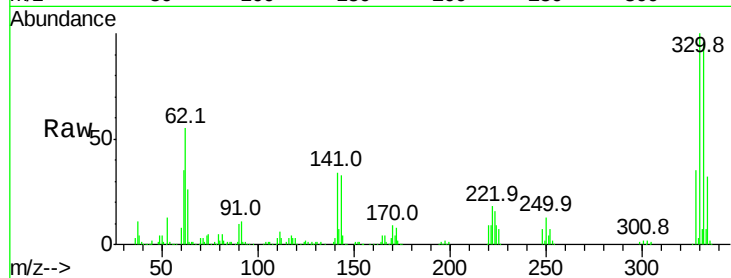




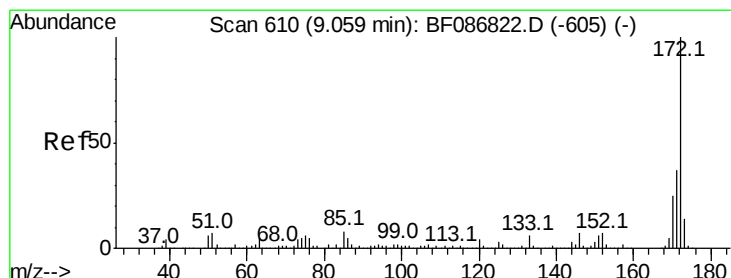
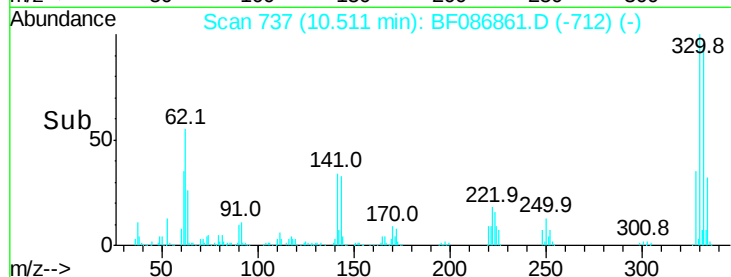
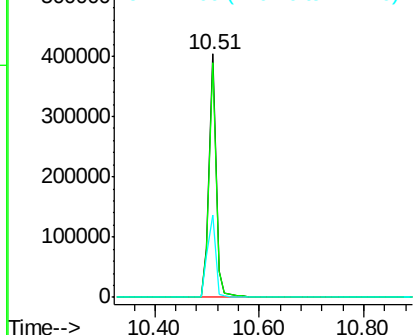
#41
 2,4,6-Tribromophenol
 Concen: 114.67 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086861.D
 Acq: 10 May 2016 15:53

Instrument :
 BNA_F
 ClientSampleId :
 CEDAR-HILL-TF-PS-002

Tot Ion:330 Resp: 381330
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 39.8 31.2 46.8

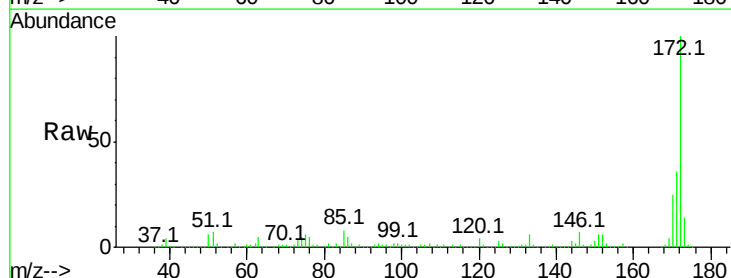


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

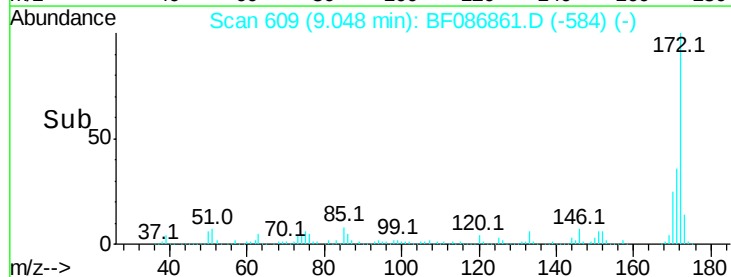
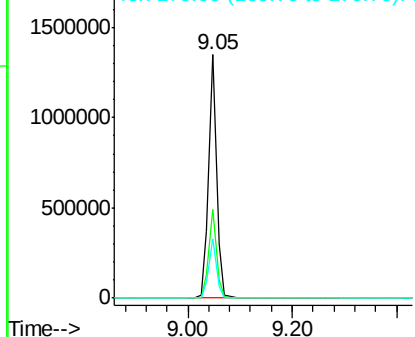


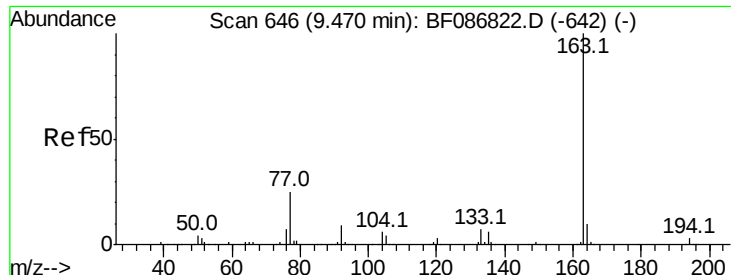
#44
 2-Fluorobiphenyl
 Concen: 76.96 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086861.D
 Acq: 10 May 2016 15:53

Tgt Ion:172 Resp: 1438304
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.5 19.8 29.8



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: 5.38 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

CEDAR-HILL-TF-PS-002

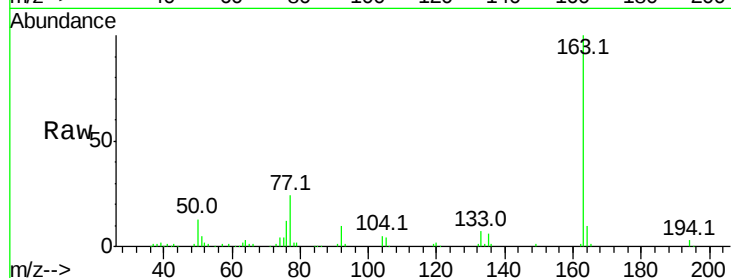
Tot Ion:163 Resp: 129024

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

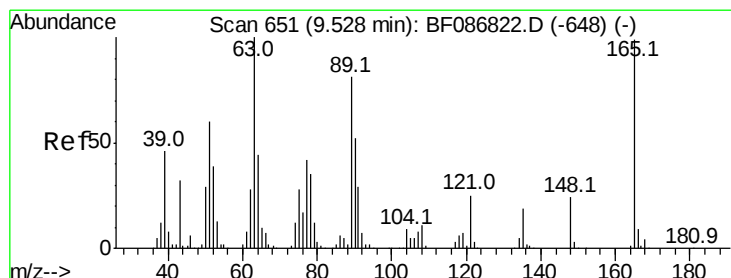
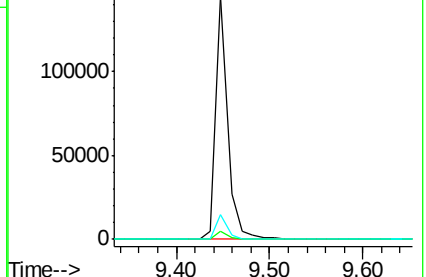
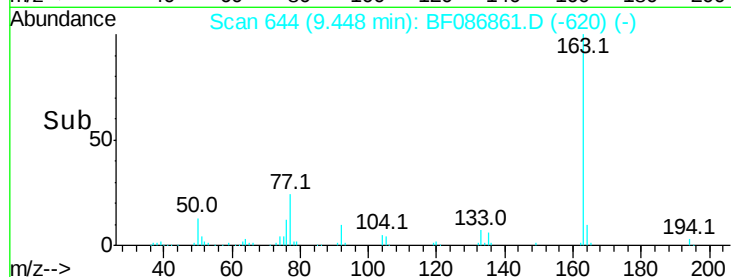
164 9.9 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 7.83 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.19 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

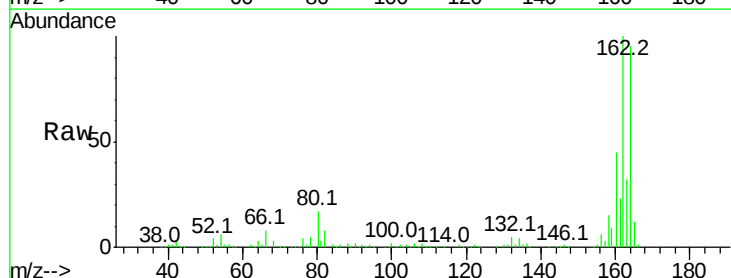
Tgt Ion:165 Resp: 39514

Ion Ratio Lower Upper

165 100

63 2.1 51.8 77.8#

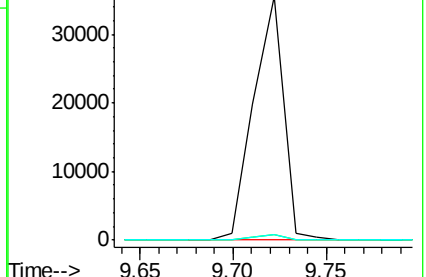
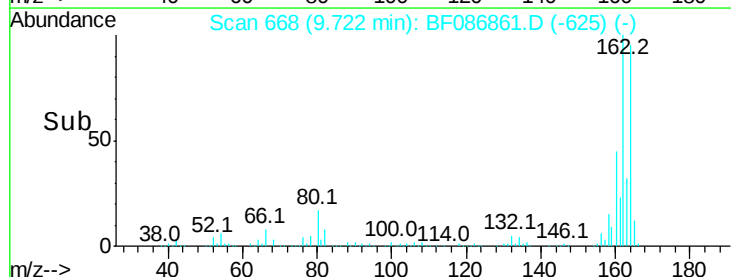
89 2.5 50.7 76.1#

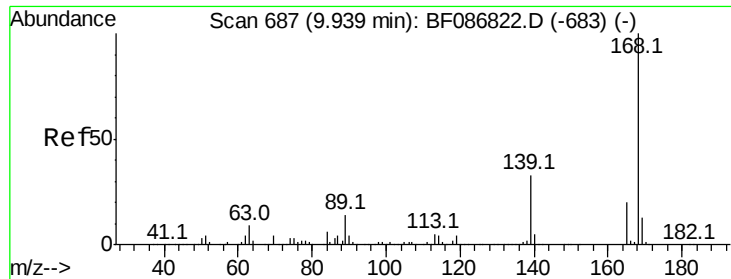


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

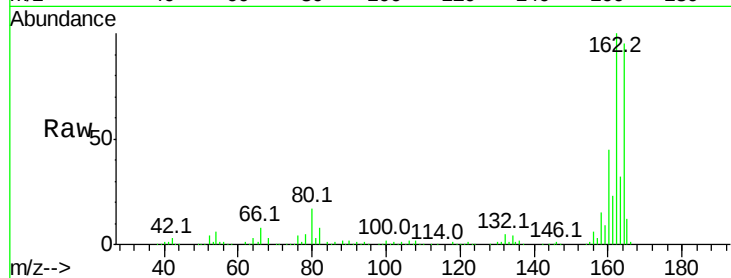




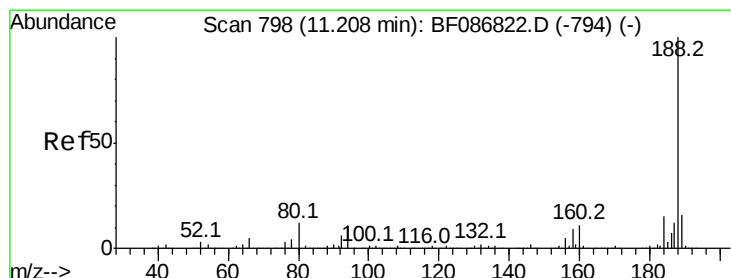
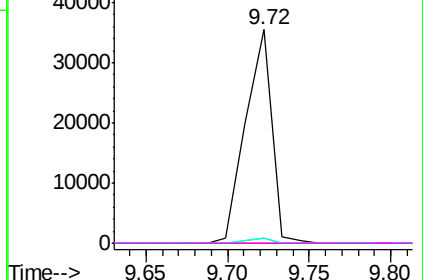
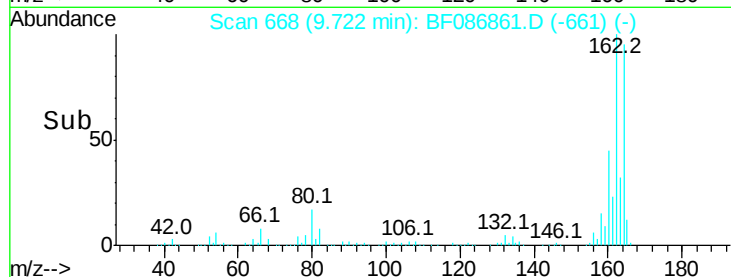
#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.22 min
Lab File: BF086861.D
Acq: 10 May 2016 15:53

Instrument :
BNA_F
ClientSampleId :
CEDAR-HILL-TF-PS-002

Tot Ion:165 Resp: 39516
Ion Ratio Lower Upper
165 100
63 2.1 44.3 66.5#
89 2.5 70.0 105.0#
182 0.0 1.8 2.6#

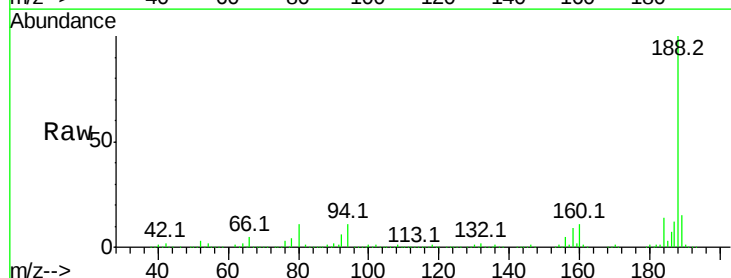


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

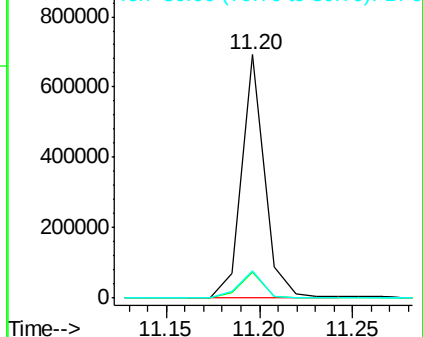
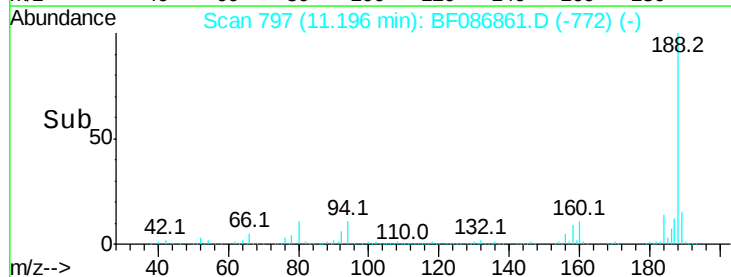


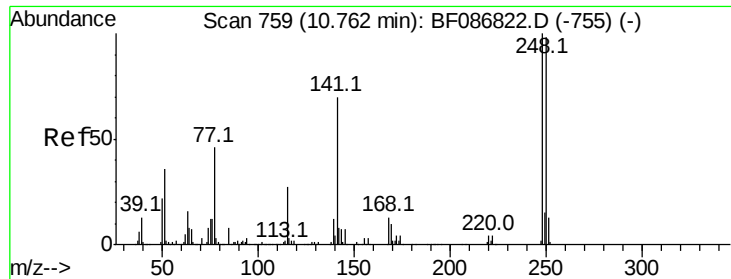
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086861.D
Acq: 10 May 2016 15:53

Tgt Ion:188 Resp: 598936
Ion Ratio Lower Upper
188 100
94 10.5 6.8 10.2#
80 11.4 7.1 10.7#



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

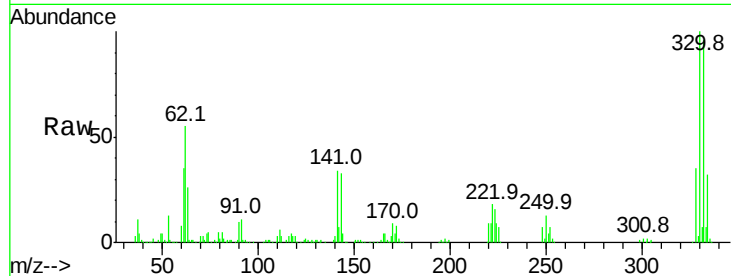




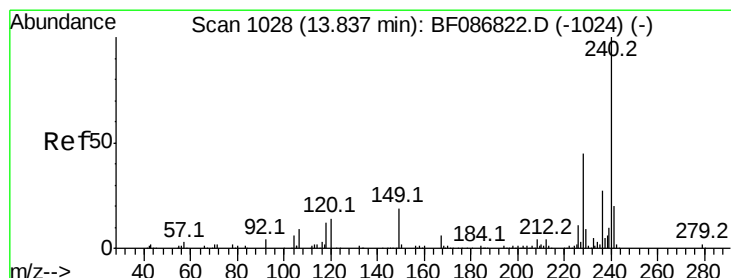
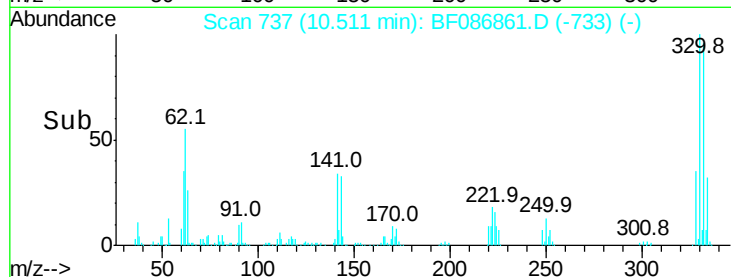
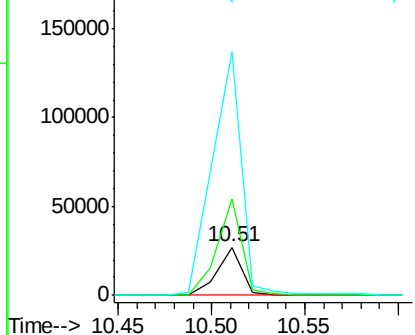
#66
 4-Bromophenyl-phenylether
 Concen: 4.18 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.25 min
 Lab File: BF086861.D
 Acq: 10 May 2016 15:53

Instrument :
 BNA_F
 ClientSampleId :
 CEDAR-HILL-TF-PS-002

Tot Ion:248 Resp: 25397
 Ion Ratio Lower Upper
 248 100
 250 201.1 78.6 117.8#
 141 509.8 76.0 114.0#

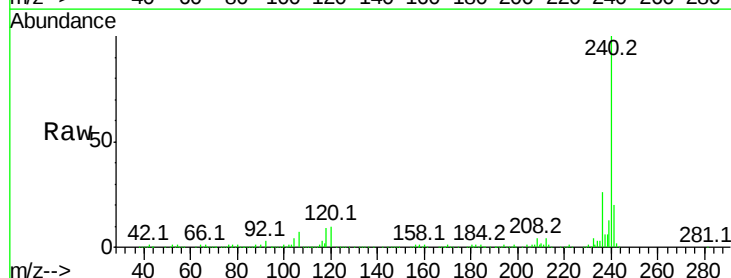


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

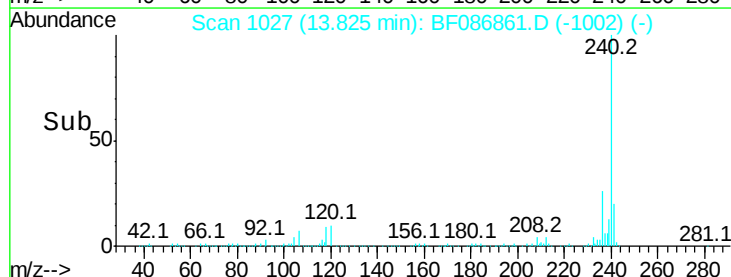
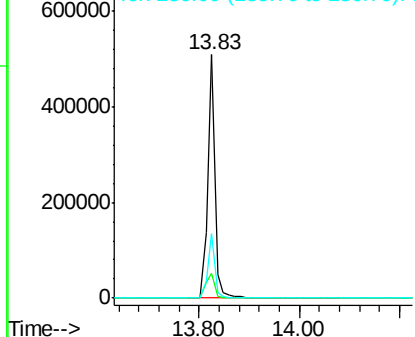


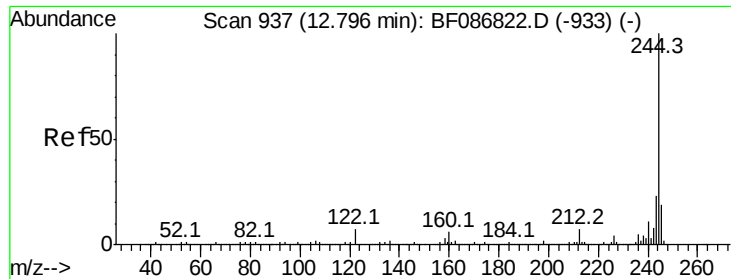
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF086861.D
 Acq: 10 May 2016 15:53

Tgt Ion:240 Resp: 501421
 Ion Ratio Lower Upper
 240 100
 120 10.3 11.2 16.8#
 236 26.4 21.2 31.8



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: 63.78 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

CEDAR-HILL-TF-PS-002

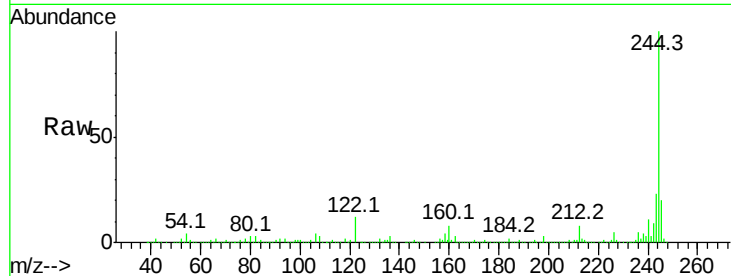
Tot Ion:244 Resp: 1507216

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

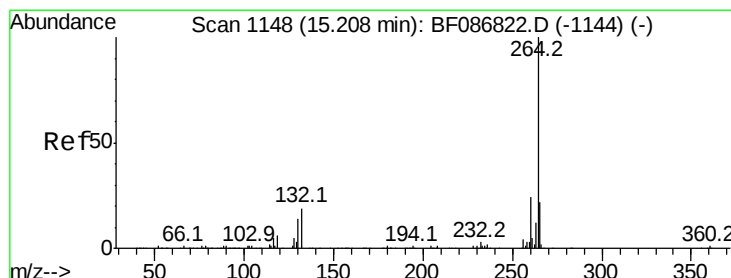
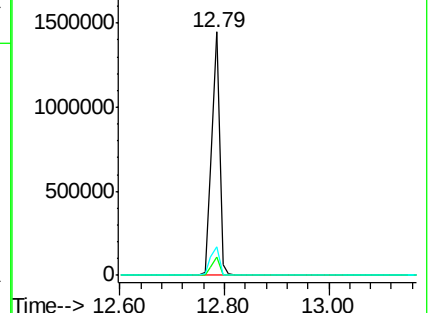
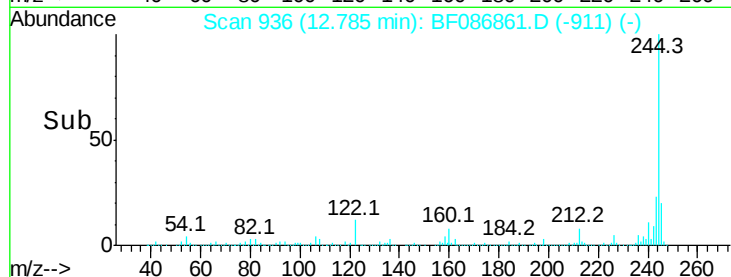
122 11.6 12.0 18.0#



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: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086861.D

Acq: 10 May 2016 15:53

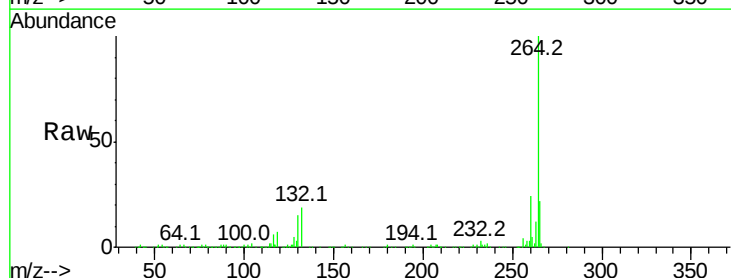
Tgt Ion:264 Resp: 401314

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.7 17.3 25.9



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

