

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086762.D
 Acq On : 7 May 2016 9:29
 Operator : UM/SJ
 Sample : PB90333BL
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

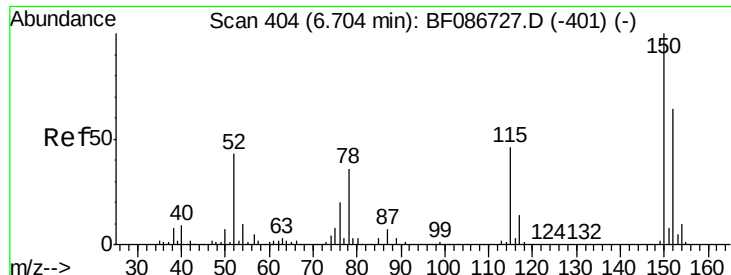
Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

Quant Time: May 07 23:21:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	158380	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	635335	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	307722	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	590051	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	375955	40.00	ng	-0.03
86) Perylene-d12	15.22	264	290022	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1164359	121.71	ng	-0.01
7) Phenol-d6	6.36	99	1449366	112.47	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1102162	89.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	431498	143.34	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1832937	97.64	ng	-0.03
78) Terphenyl-d14	12.81	244	1589235	85.43	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	6.85	79	17403	2.09	ng	# 42
19) n-Nitroso-di-n-propylamine	7.28	70	154342	17.53	ng	# 77
25) Isophorone	7.28	82	1062534	46.15	ng	# 68
50) 2,6-Dinitrotoluene	9.73	165	37913	7.70	ng	# 20
56) 2,4-Dinitrotoluene	9.73	165	38139	6.25	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.52	198	909	5.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	25137	4.29	ng	# 1

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

```
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Misc      :  
ALS Vial  : 35 Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

PB90333BL

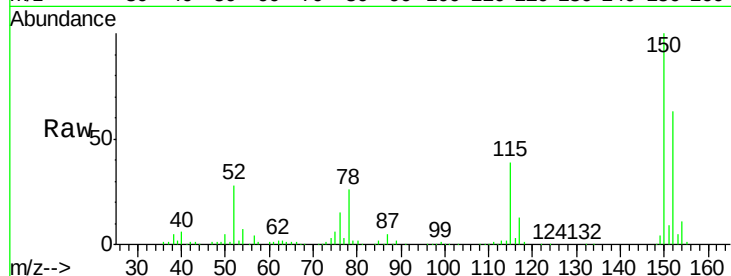
Tgt Ion:152 Resp: 158380

Ion Ratio Lower Upper

152 100

150 158.0 125.8 188.6

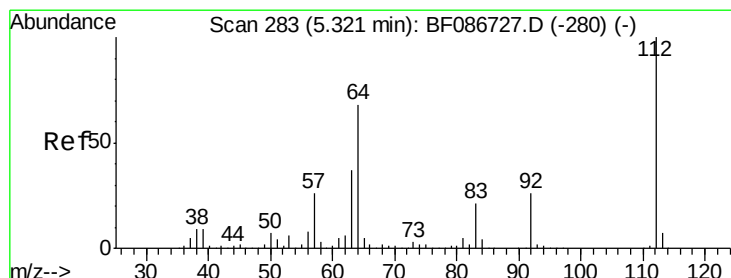
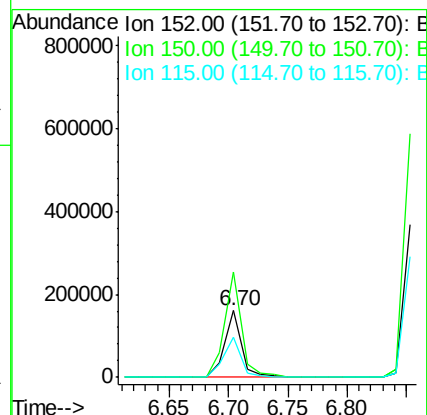
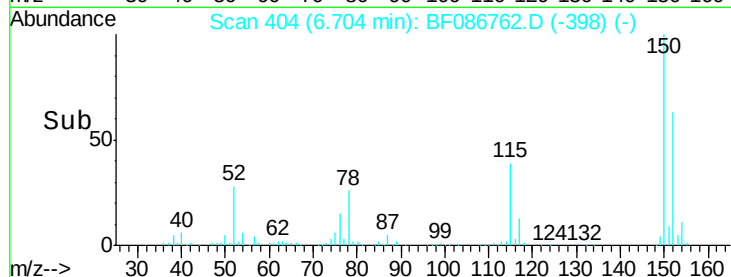
115 61.0 51.5 77.3



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: 121.71 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

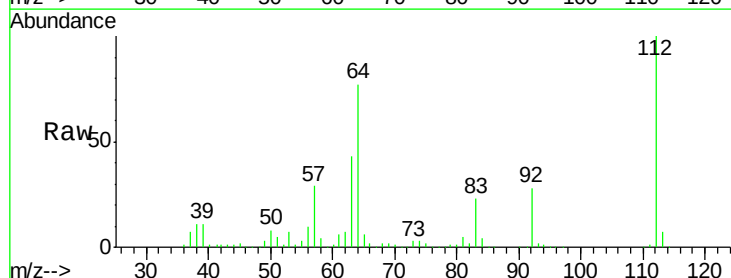
Tgt Ion:112 Resp: 1164359

Ion Ratio Lower Upper

112 100

64 77.4 52.1 78.1

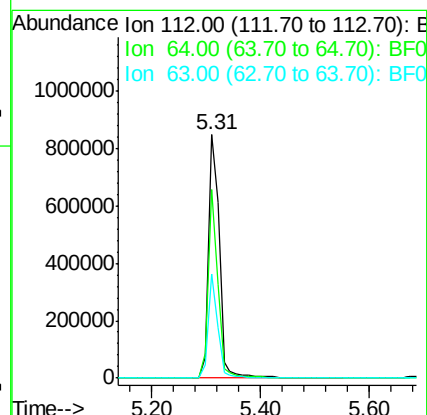
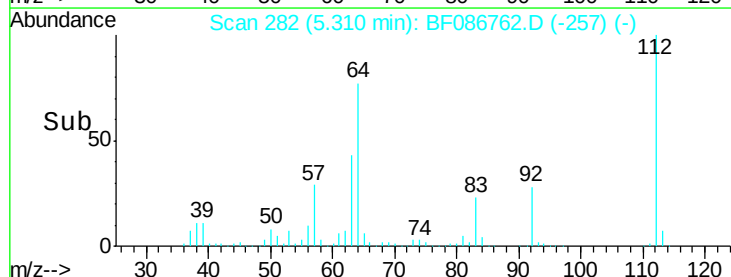
63 42.7 25.7 38.5

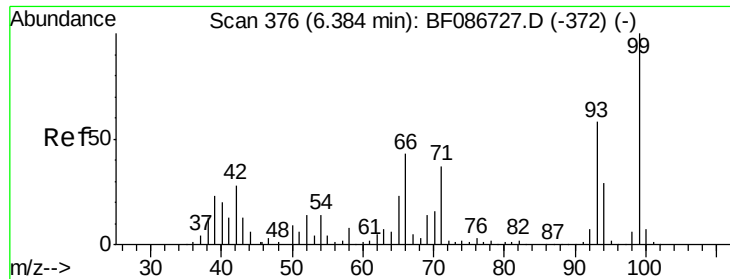


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.47 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

PB90333BL

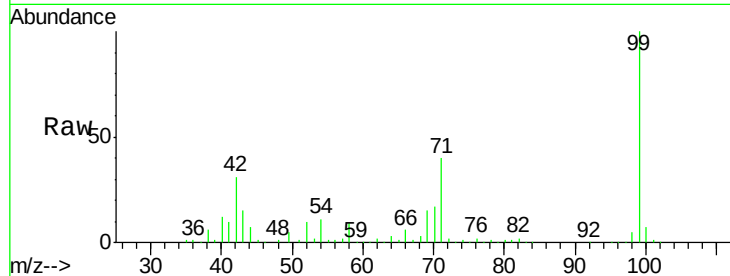
Tgt Ion: 99 Resp: 1449366

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

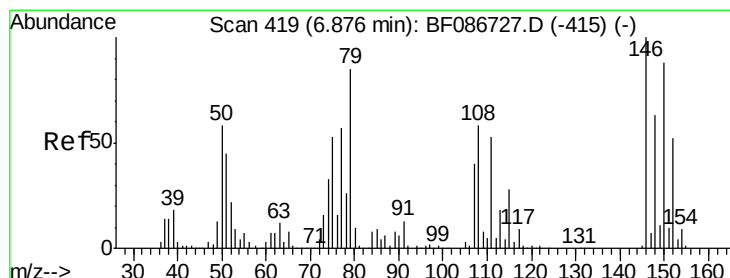
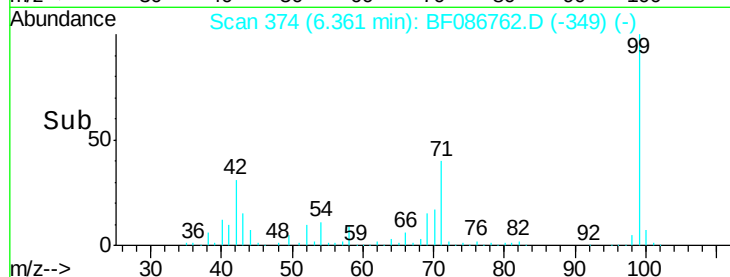
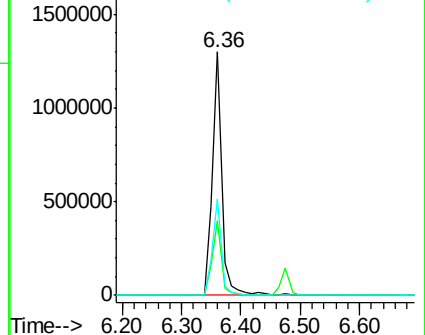
71 39.6 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

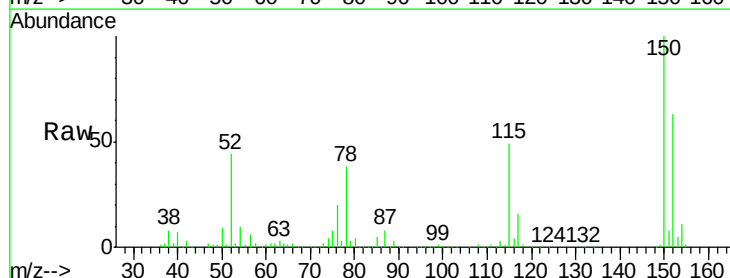
Tgt Ion: 79 Resp: 17403

Ion Ratio Lower Upper

79 100

108 30.4 68.4 102.6#

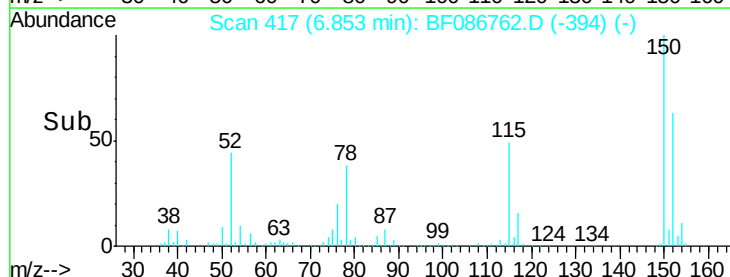
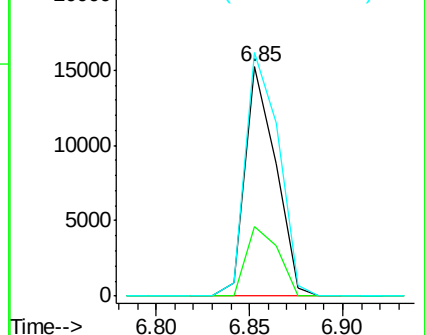
77 106.3 50.6 76.0#

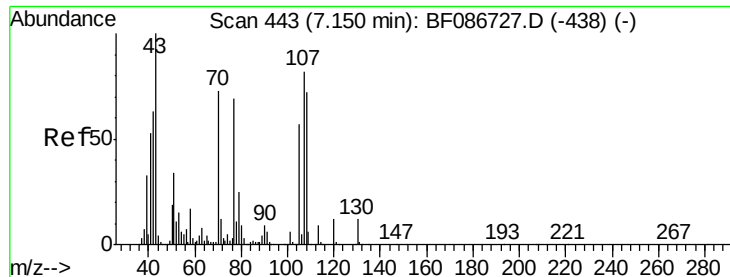


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

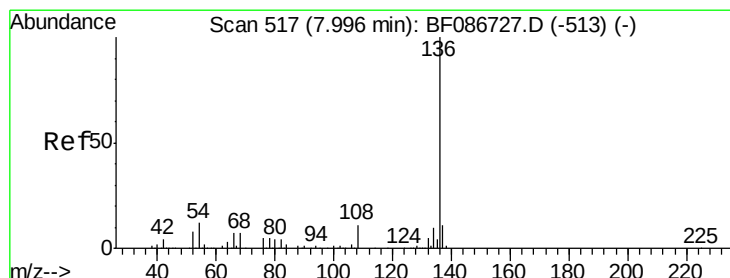
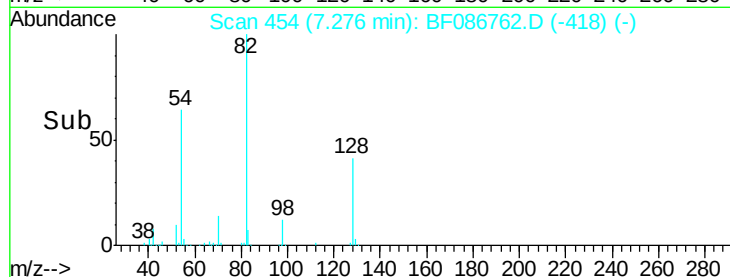
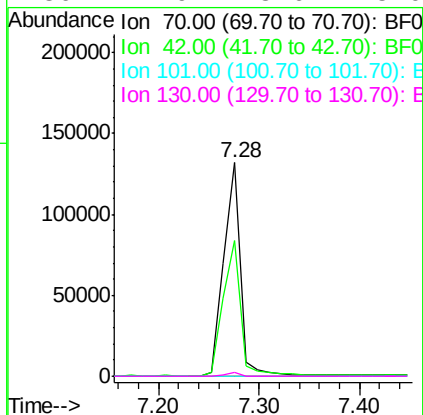
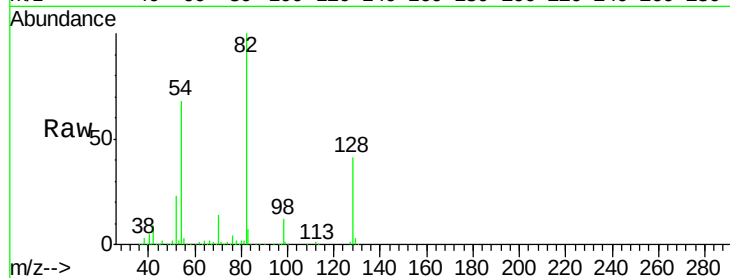




#19
 n-Nitroso-di-n-propylamine
 Concen: 17.53 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.11 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

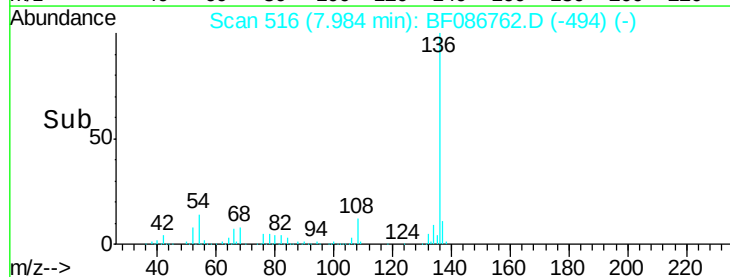
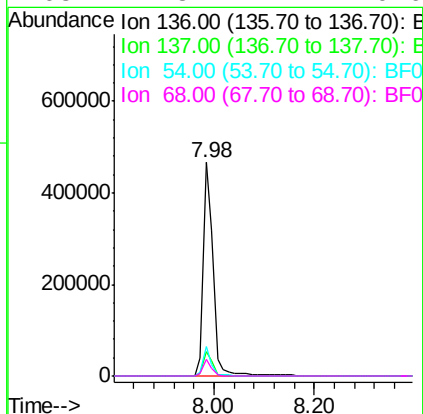
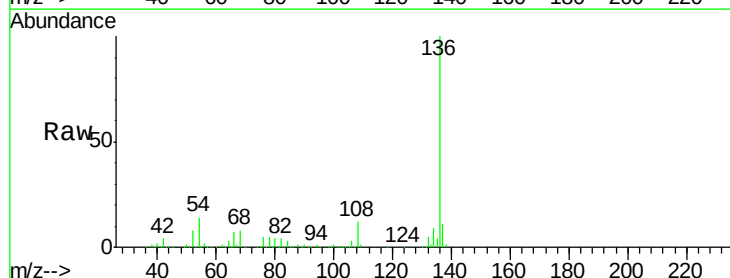
Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

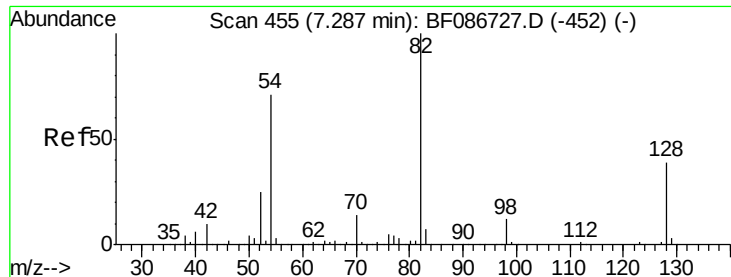
Tgt Ion: 70 Resp: 154342
 Ion Ratio Lower Upper
 70 100
 42 63.6 43.1 64.7
 101 0.0 8.1 12.1#
 130 1.9 18.6 28.0#



#21
 Naphthalene-d8
 Concen: 40.00 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Tgt Ion: 136 Resp: 635335
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.8 13.2
 54 14.1 5.0 7.4#
 68 7.8 4.4 6.6#

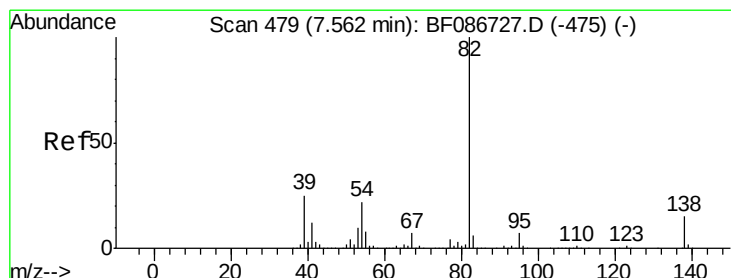
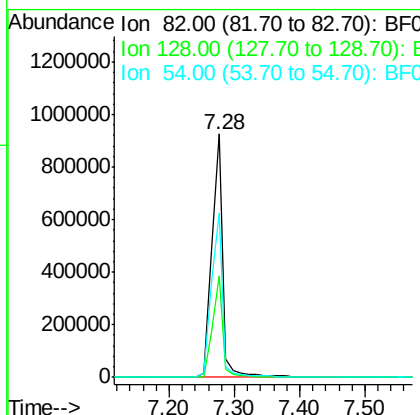
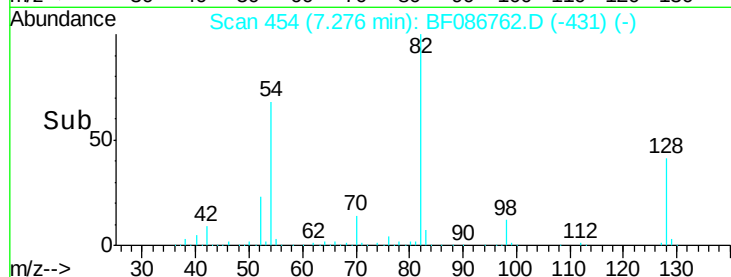
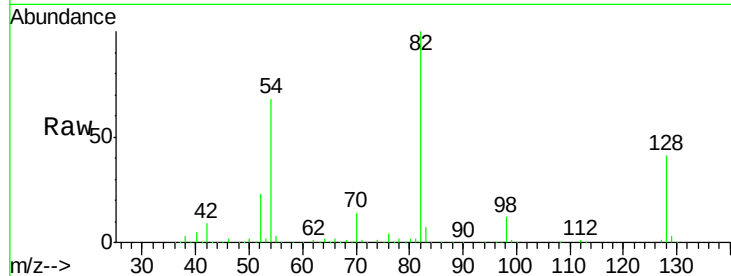




#23
 Nitrobenzene-d5
 Concen: 89.15 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

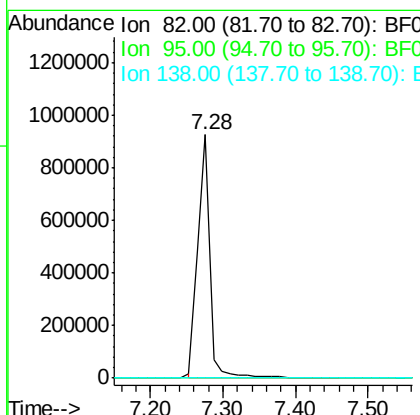
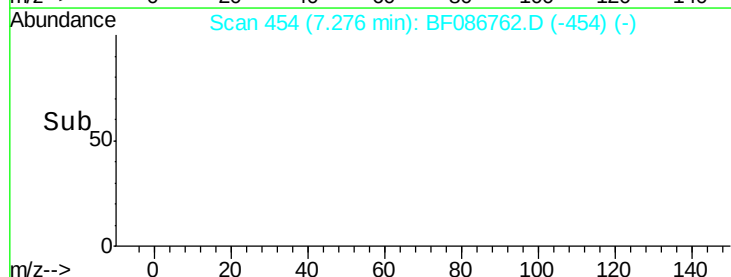
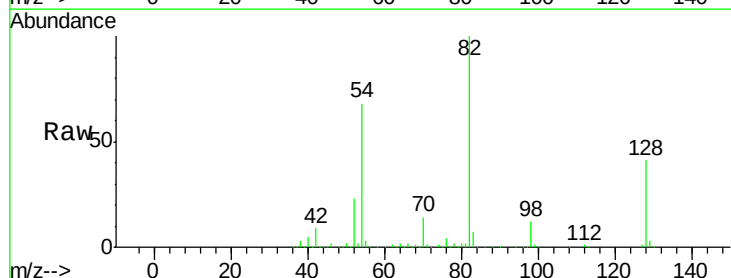
Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

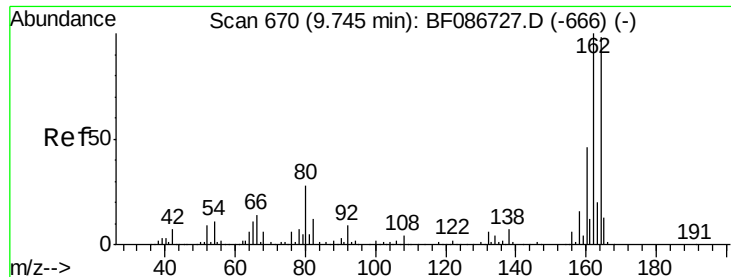
Tgt Ion: 82 Resp: 1102162
 Ion Ratio Lower Upper
 82 100
 128 41.5 40.6 61.0
 54 67.6 38.1 57.1#



#25
 Isophorone
 Concen: 46.15 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.30 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Tgt Ion: 82 Resp: 1062534
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#

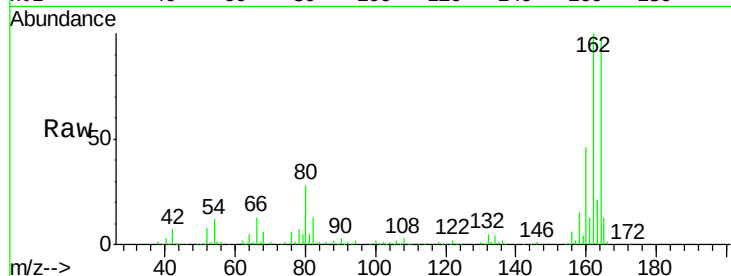




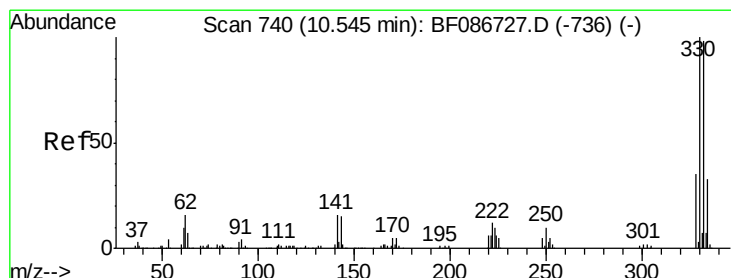
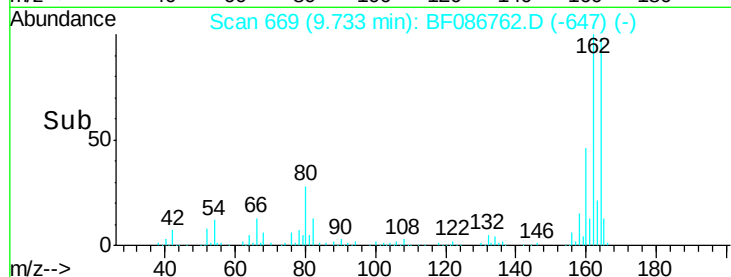
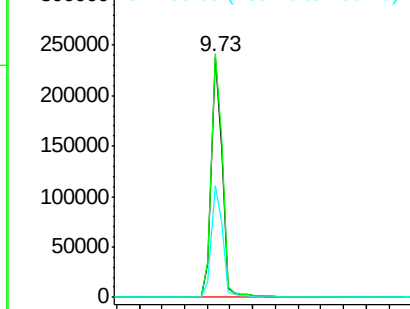
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

Tgt Ion:164 Resp: 307722
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.8 124.2
 160 46.8 36.9 55.3

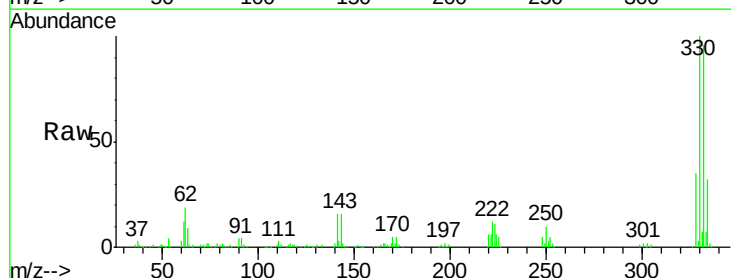


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

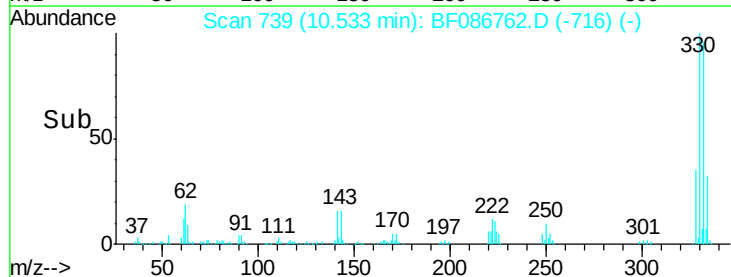
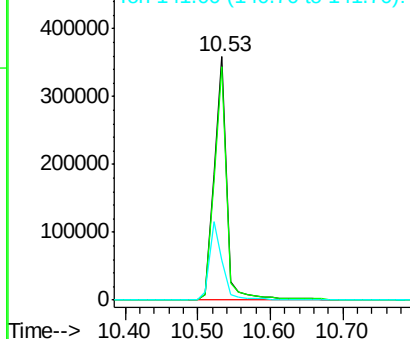


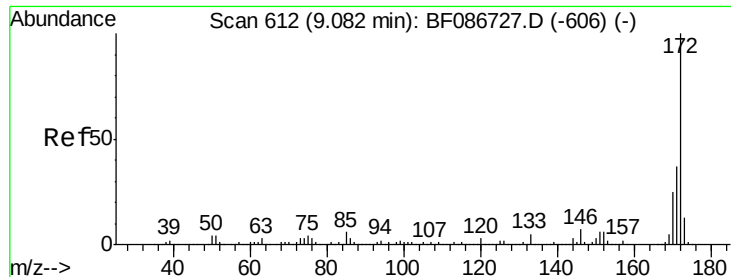
#41
 2,4,6-Tribromophenol
 Concen: 143.34 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Tgt Ion:330 Resp: 431498
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.4
 141 33.9 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

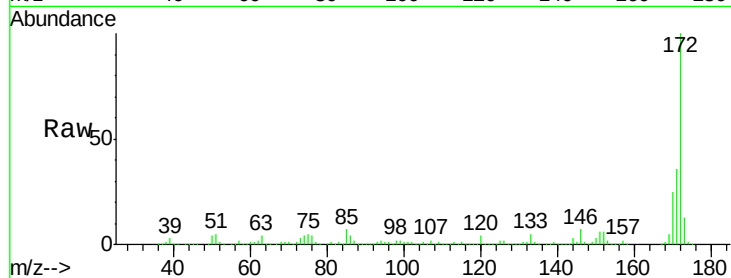




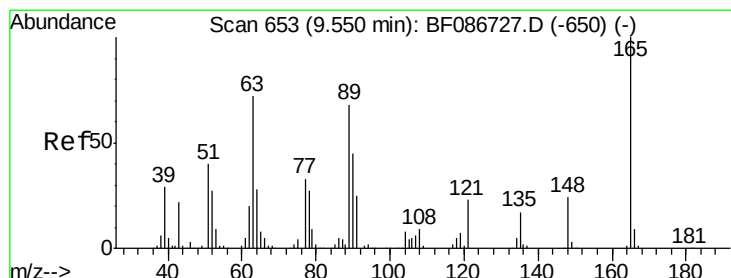
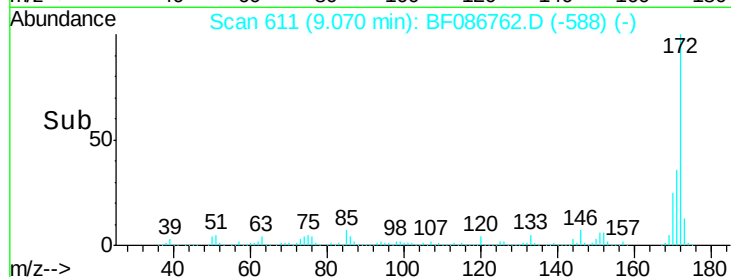
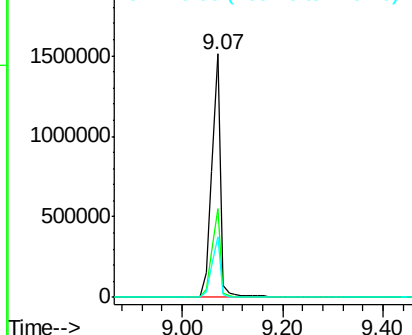
#44
 2-Fluorobiphenyl
 Concen: 97.64 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

Tgt Ion:172 Resp: 1832937
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.8 19.8 29.8

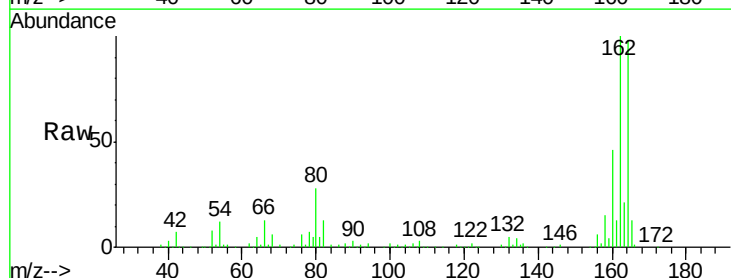


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

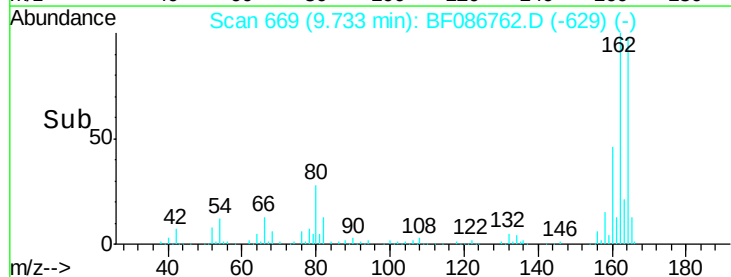
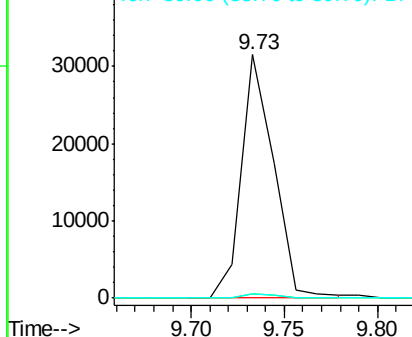


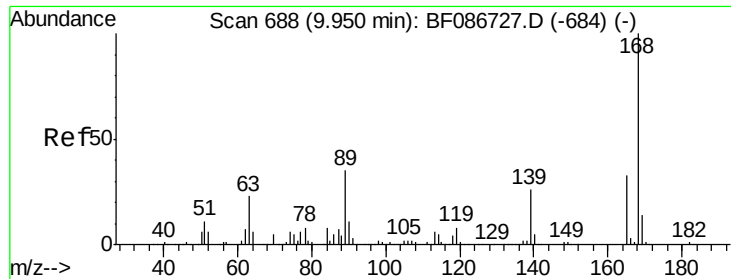
#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Tgt Ion:165 Resp: 37913
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 1.8 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

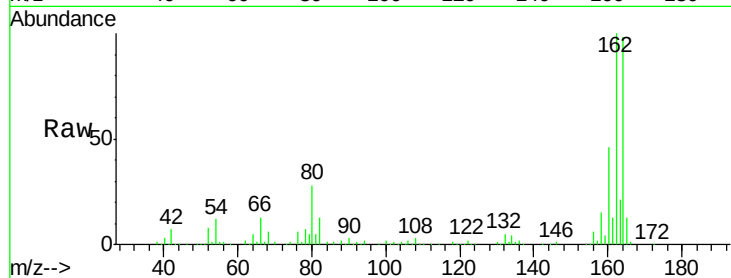




#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 PB90333BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	1.8	70.0	105.0#
182	0.0	1.8	2.6#

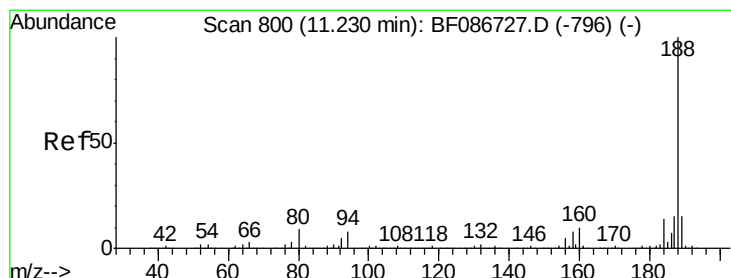
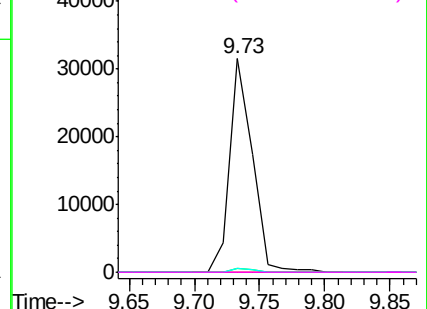
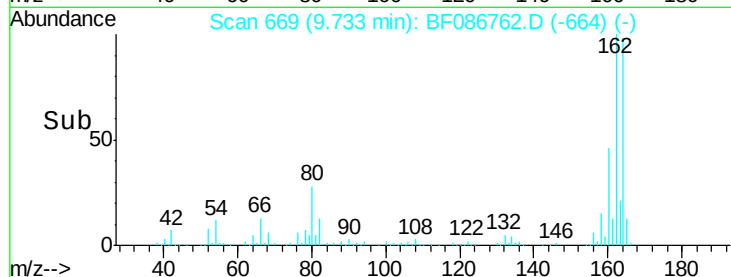


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

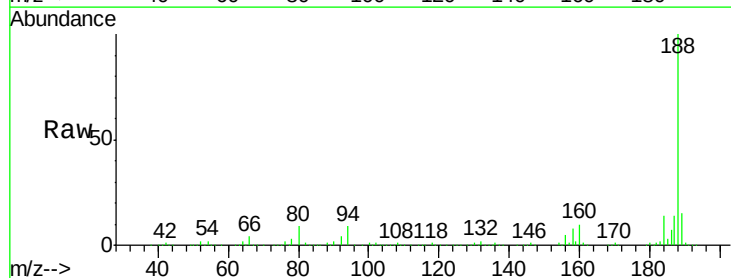
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086762.D
 Acq: 7 May 2016 9:29

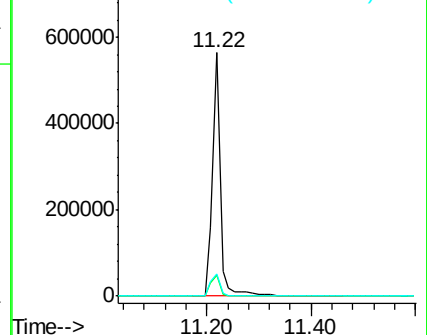
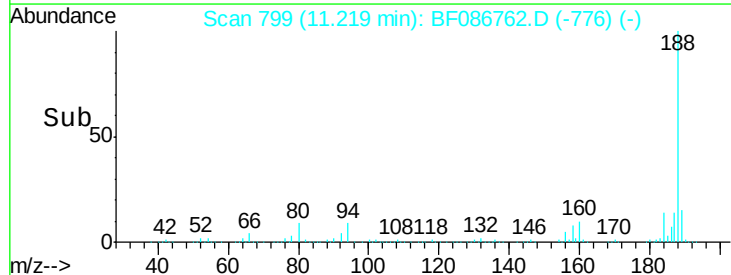
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.8	10.2
80	9.1	7.1	10.7

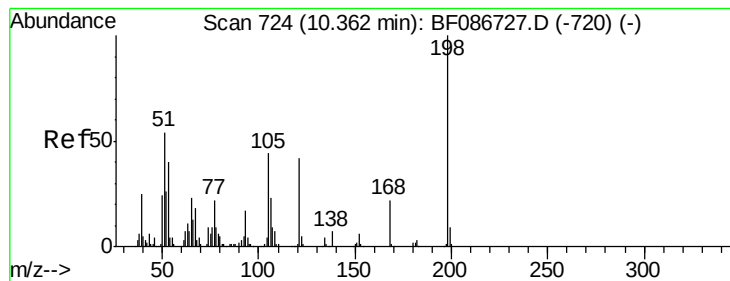


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.56 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.15 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

PB90333BL

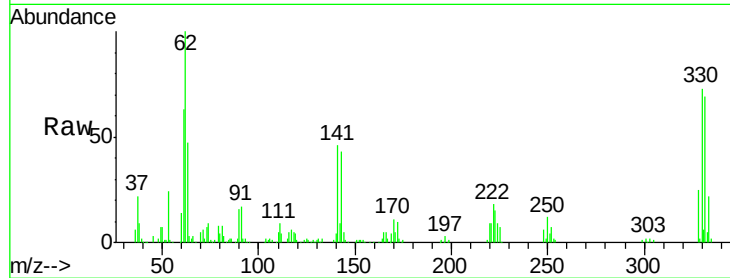
Tgt Ion:198 Resp: 909

Ion Ratio Lower Upper

198 100

51 289.4 20.5 60.5#

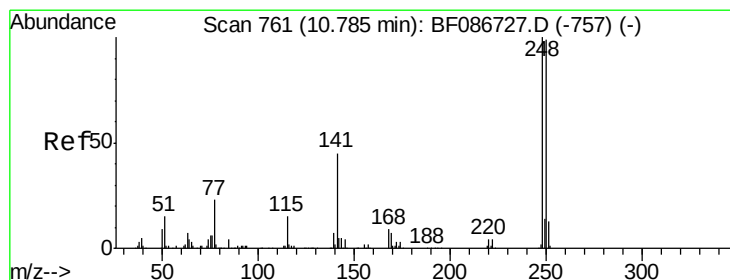
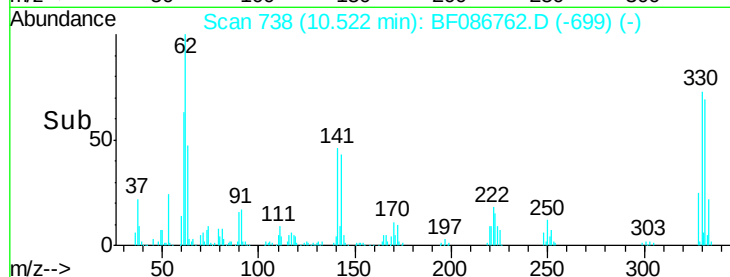
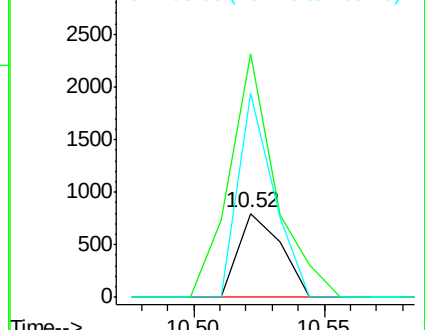
105 242.6 24.5 64.5#



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: 4.29 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.27 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

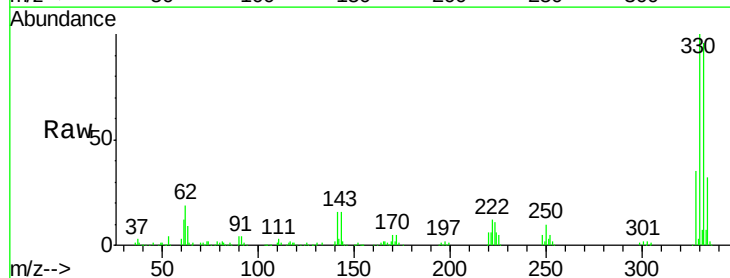
Tgt Ion:248 Resp: 25137

Ion Ratio Lower Upper

248 100

250 205.9 78.6 117.8#

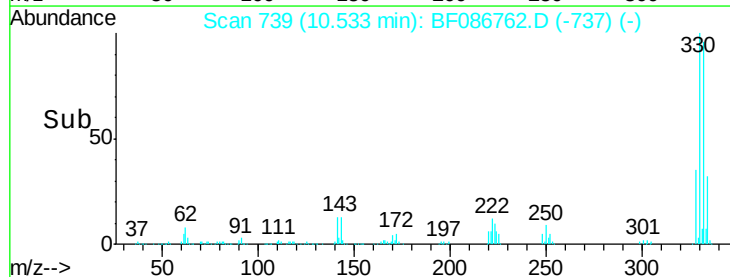
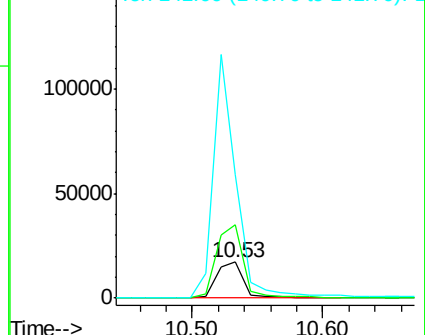
141 346.1 76.0 114.0#

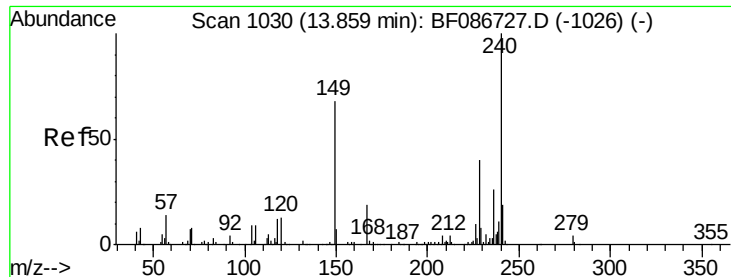


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

PB90333BL

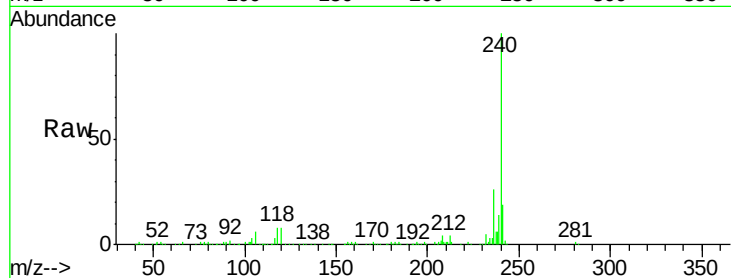
Tgt Ion:240 Resp: 375955

Ion Ratio Lower Upper

240 100

120 8.5 11.2 16.8#

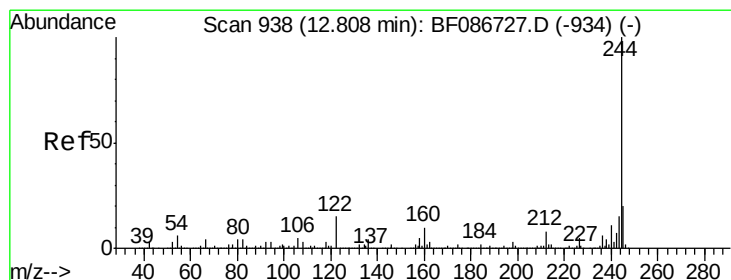
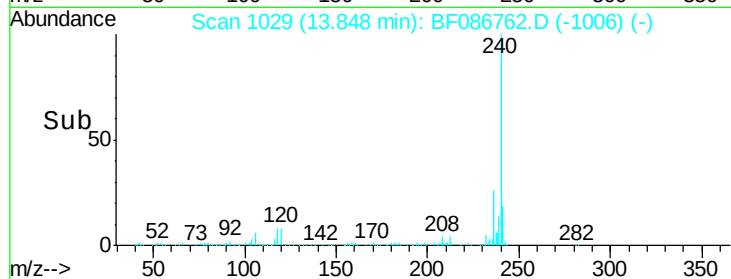
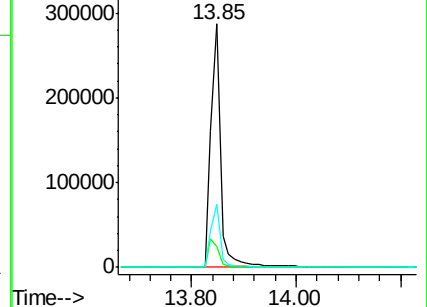
236 26.1 21.2 31.8



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: 85.43 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086762.D

Acq: 7 May 2016 9:29

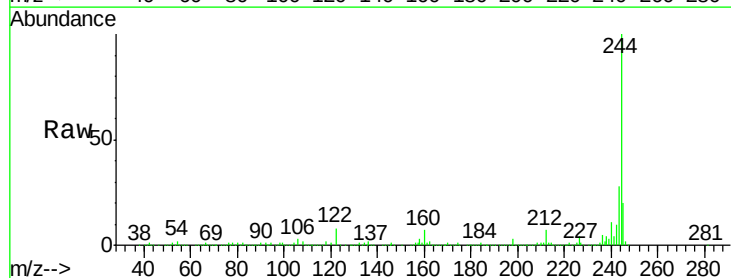
Tgt Ion:244 Resp: 1589235

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

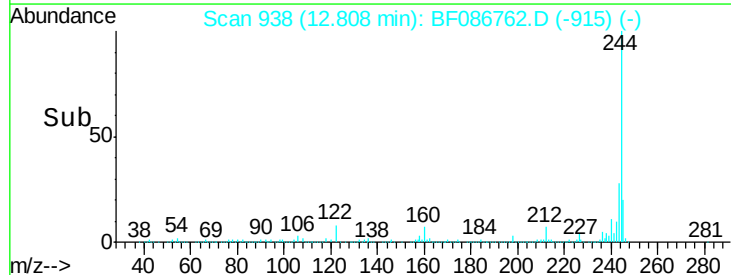
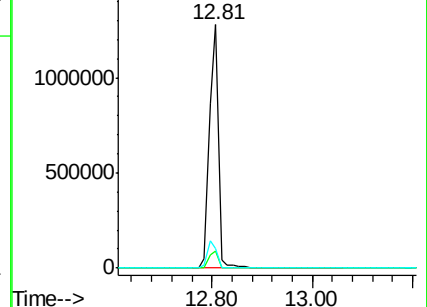
122 8.0 12.0 18.0#

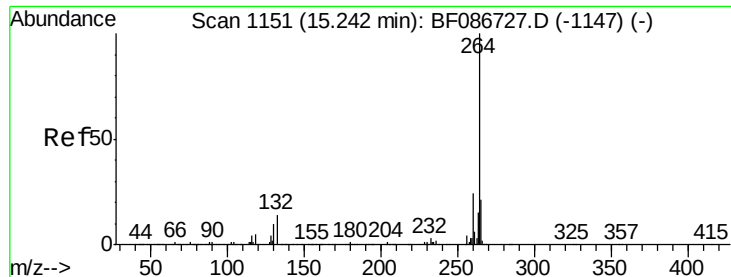


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

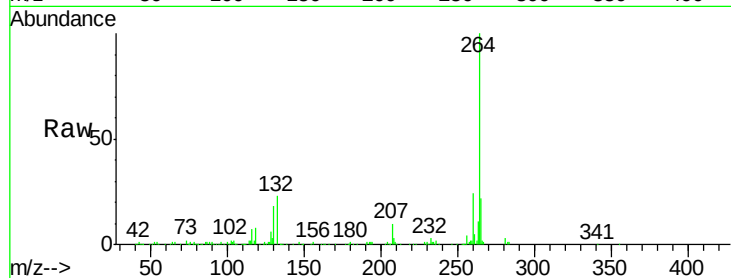




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086762.D
Acq: 7 May 2016 9:29

Instrument :
BNA_F
ClientSampleId :
PB90333BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.0	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

