

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086446.D
 Acq On : 28 Apr 2016 1:53
 Operator : UM/SJ
 Sample : H2702-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1C

Quant Time: Apr 28 05:44:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

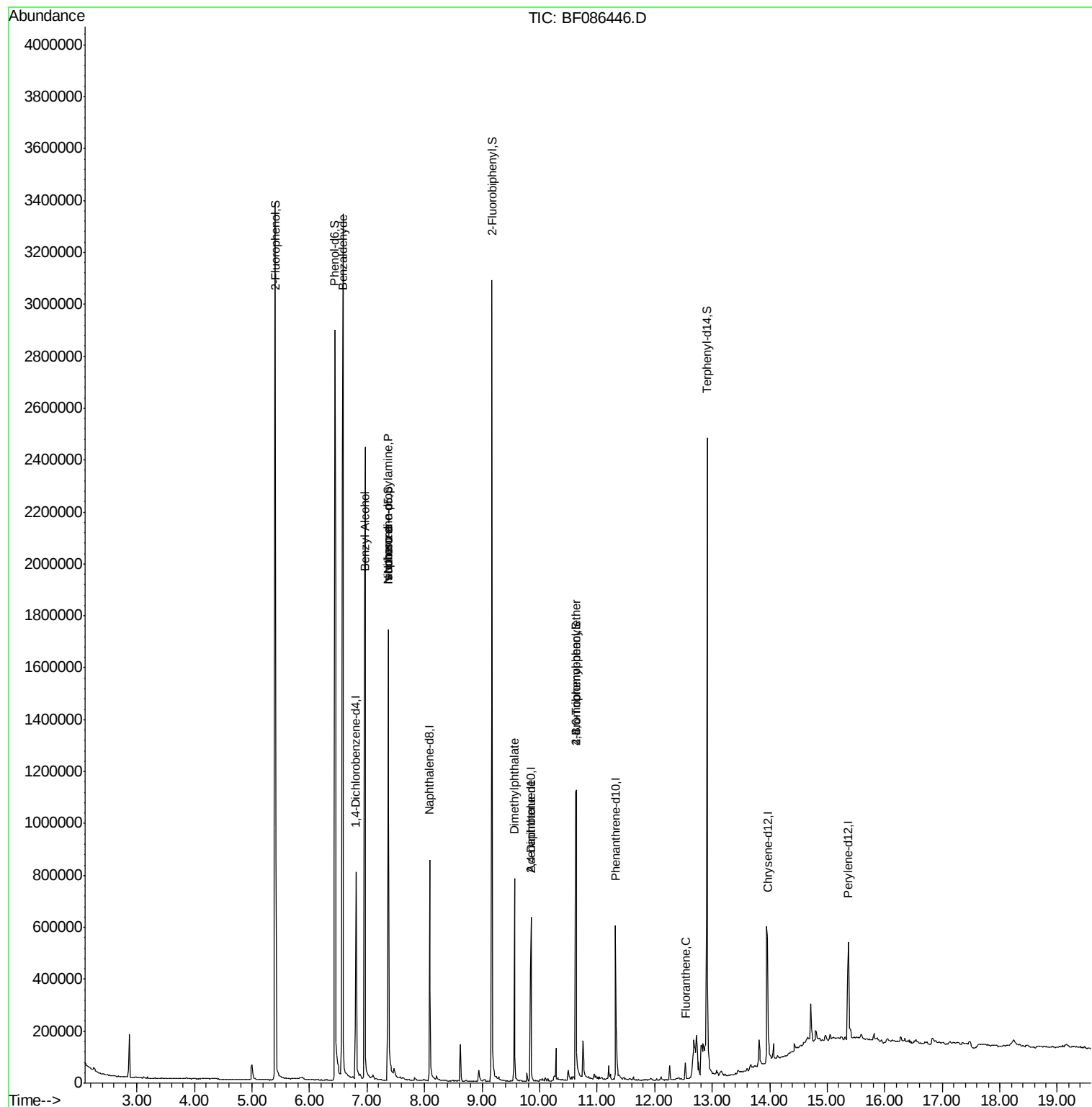
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	122834	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	434799	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	157362	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	258370	20.00	ng	0.00
75) Chrysene-d12	13.96	240	287608	20.00	ng	0.00
86) Perylene-d12	15.37	264	209181	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	965554	135.59	ng	0.01
7) Phenol-d6	6.44	99	1367553	137.59	ng	0.00
23) Nitrobenzene-d5	7.37	82	771215	95.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	213344	128.56	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1112038	140.43	ng	0.00
78) Terphenyl-d14	12.91	244	762713	58.42	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	27697	4.79	ng	Qvalue 82
15) Benzyl Alcohol	6.96	79	14601	2.32	ng	# 44
19) n-Nitroso-di-n-propylamine	7.37	70	101890	15.51	ng	# 72
25) Isophorone	7.37	82	688440	44.34	ng	# 68
49) Dimethylphthalate	9.56	163	281957	23.80	ng	100
56) 2,4-Dinitrotoluene	9.85	165	19072	6.11	ng	# 16
66) 4-Bromophenyl-phenylether	10.64	248	12333	4.63	ng	# 1
74) Fluoranthene	12.53	202	28055	2.05	ng	96

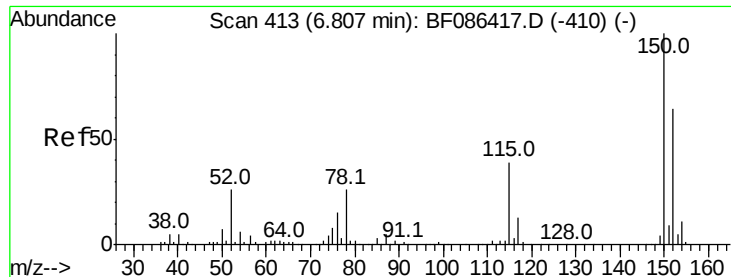
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1C

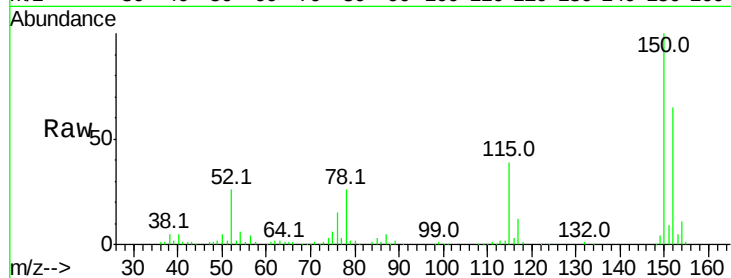
Tot Ion:152 Resp: 122834

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

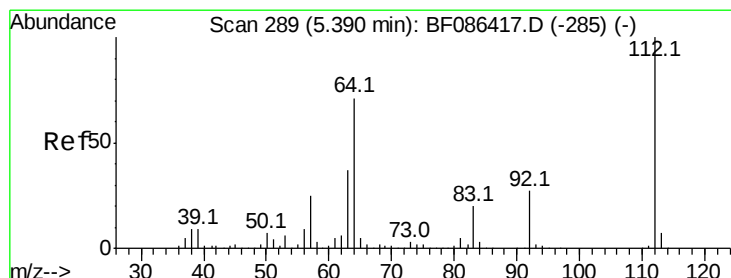
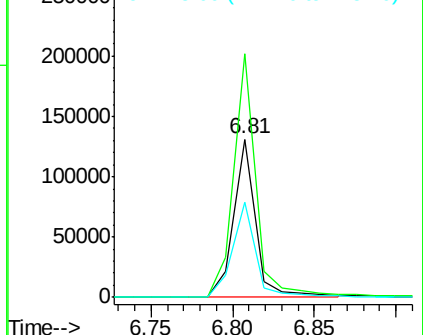
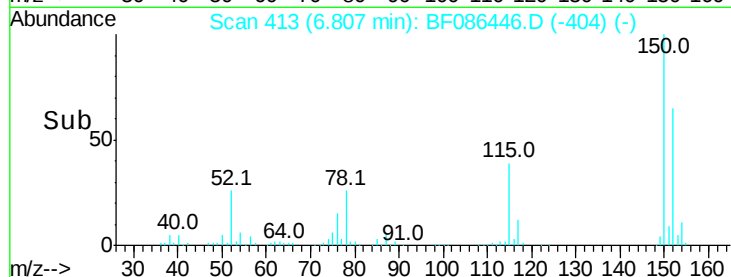
115 60.1 51.5 77.3



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: 135.59 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

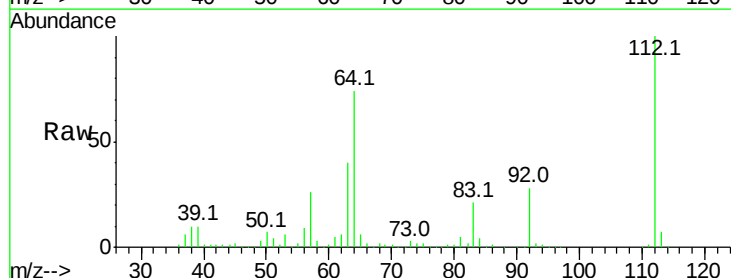
Tgt Ion:112 Resp: 965554

Ion Ratio Lower Upper

112 100

64 74.3 52.1 78.1

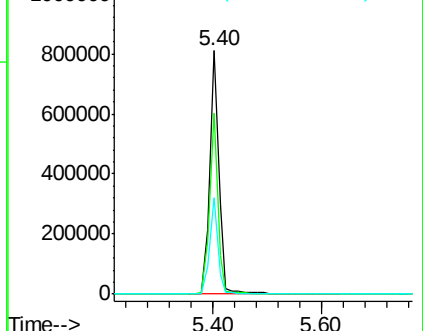
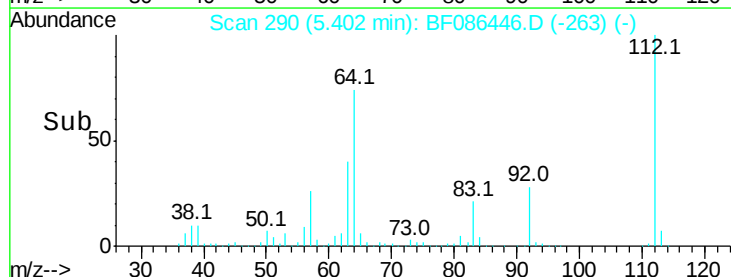
63 39.8 25.7 38.5#

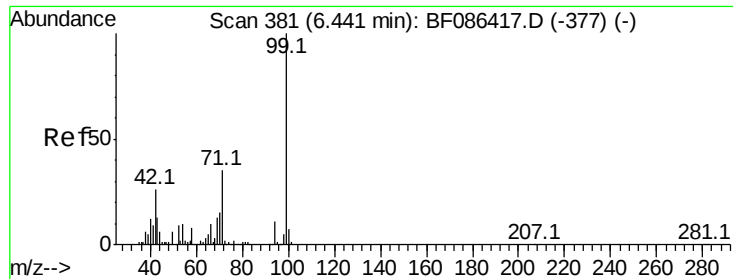


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.59 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1C

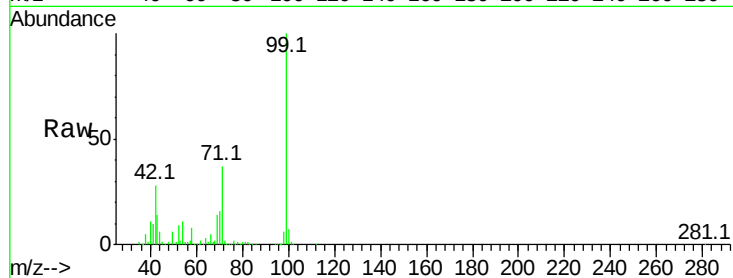
Tot Ion: 99 Resp: 1367553

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

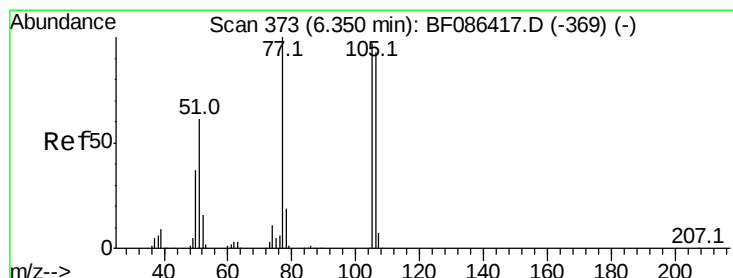
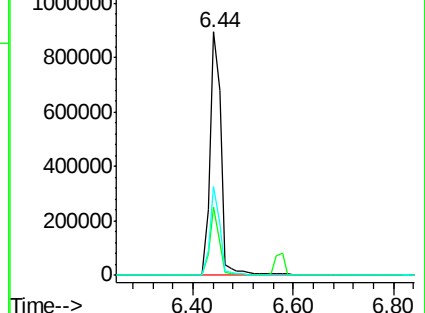
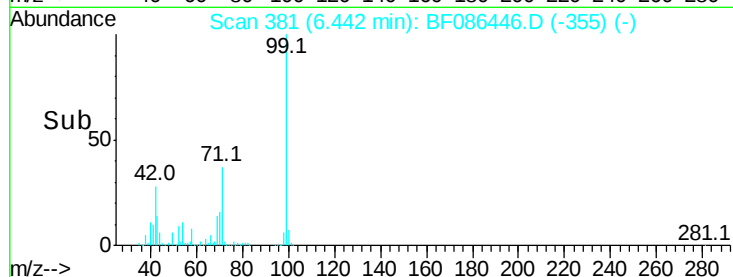
71 36.6 24.6 36.8



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



#9

Benzaldehyde

Concen: 4.79 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.23 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

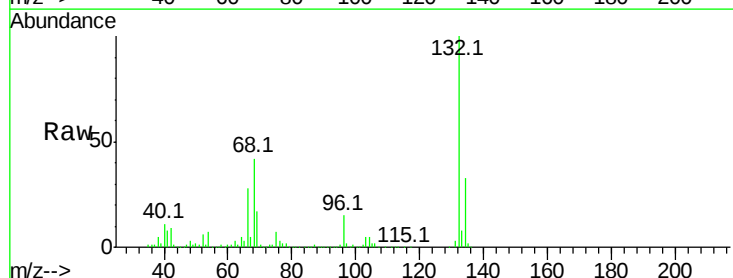
Tgt Ion: 77 Resp: 27697

Ion Ratio Lower Upper

77 100

105 77.6 72.7 112.7

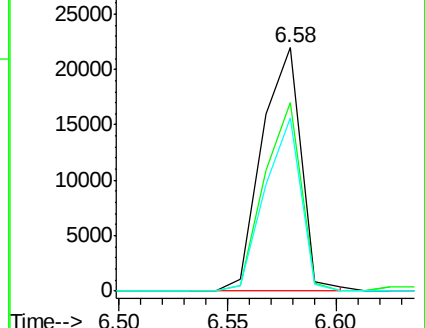
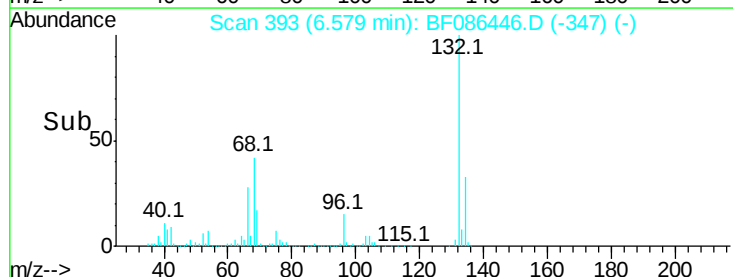
106 71.2 70.8 110.8

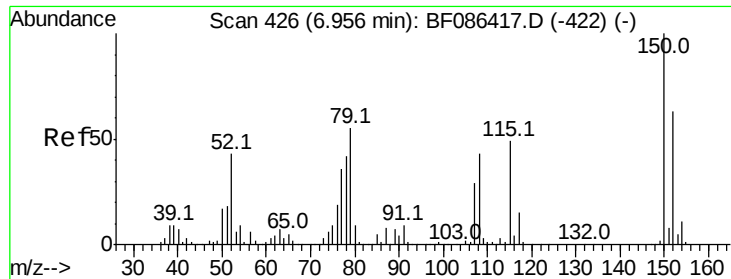


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

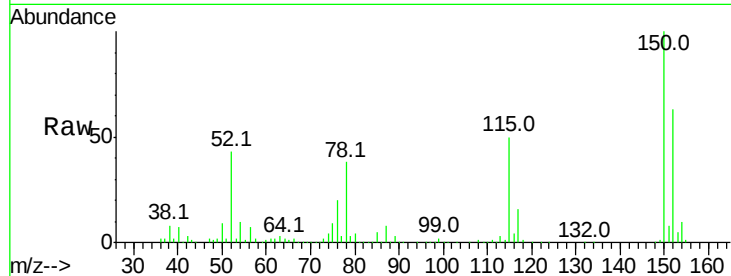




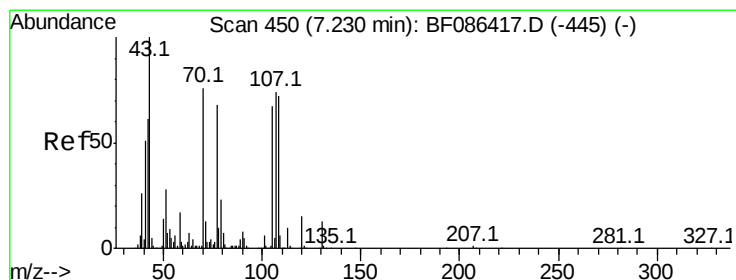
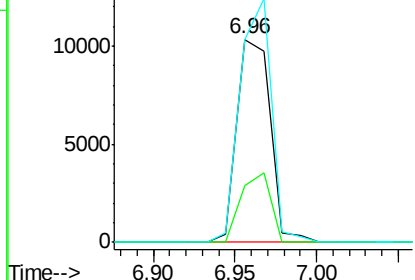
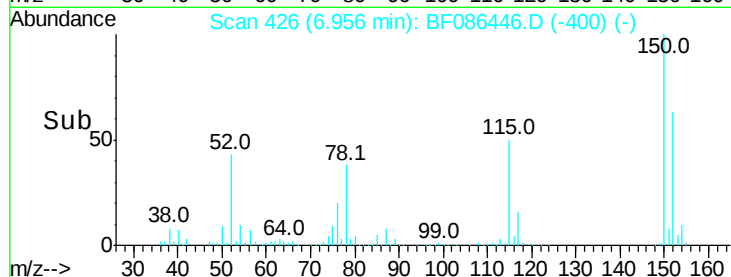
#15
Benzyl Alcohol
Concen: 2.32 ng
RT: 6.96 min Scan# 426
Delta R.T. 0.00 min
Lab File: BF086446.D
Acq: 28 Apr 2016 1:53

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1C

Tot Ion: 79 Resp: 14601
Ion Ratio Lower Upper
79 100
108 27.8 68.4 102.6#
77 99.7 50.6 76.0#

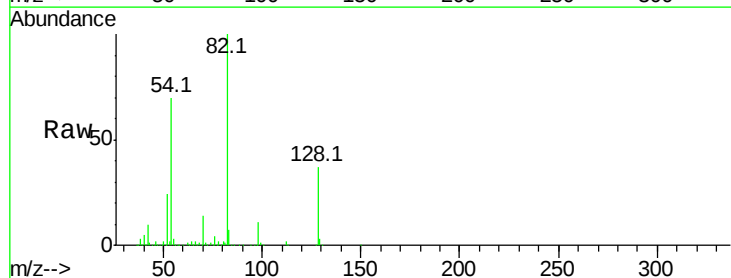


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

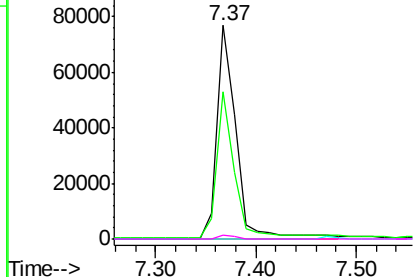
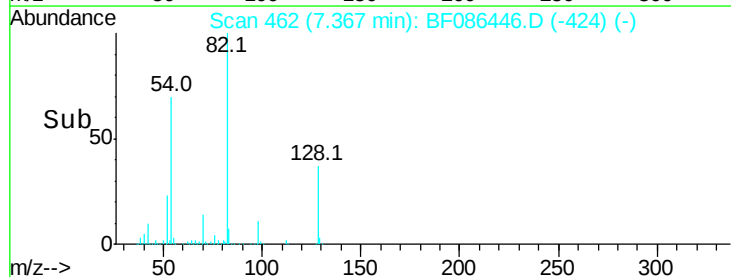


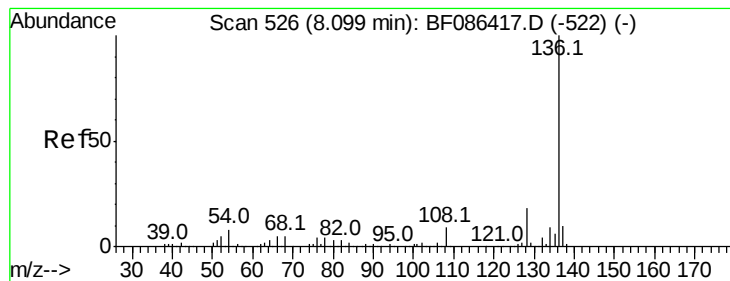
#19
n-Nitroso-di-n-propylamine
Concen: 15.51 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.14 min
Lab File: BF086446.D
Acq: 28 Apr 2016 1:53

Tgt Ion: 70 Resp: 101890
Ion Ratio Lower Upper
70 100
42 69.0 43.1 64.7#
101 0.0 8.1 12.1#
130 1.9 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1C

Tot Ion:136 Resp: 434799

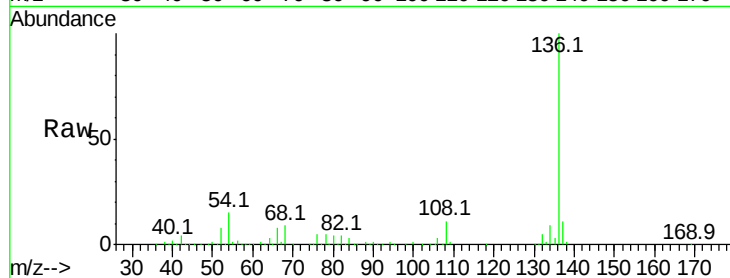
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 15.0 5.0 7.4#

68 8.5 4.4 6.6#

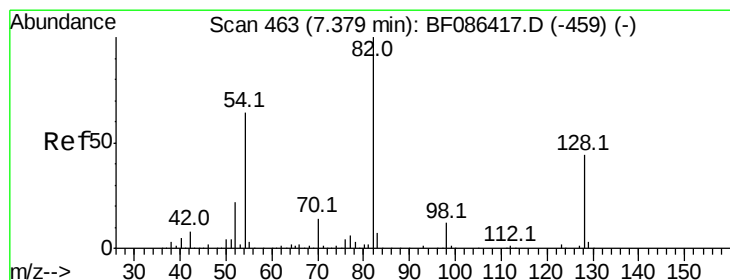
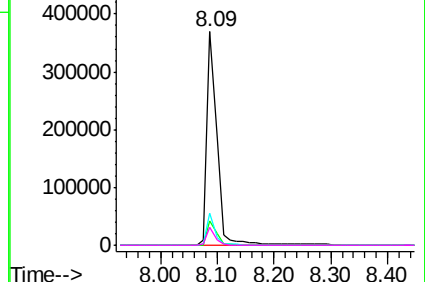
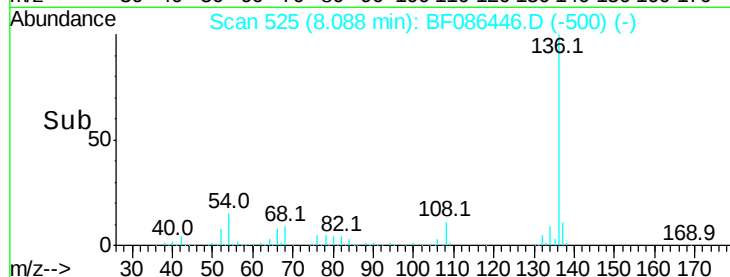


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.61 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

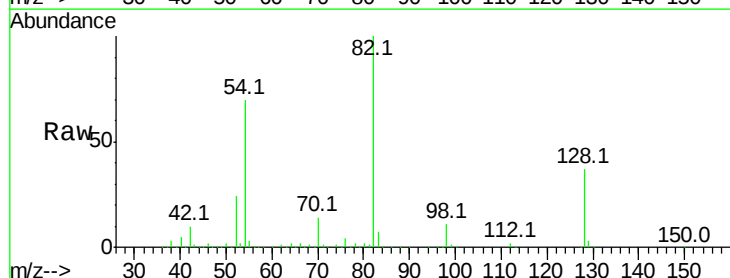
Tgt Ion: 82 Resp: 771215

Ion Ratio Lower Upper

82 100

128 37.4 40.6 61.0#

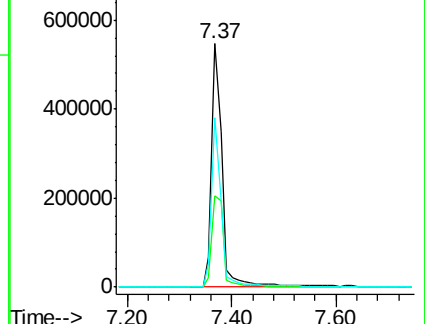
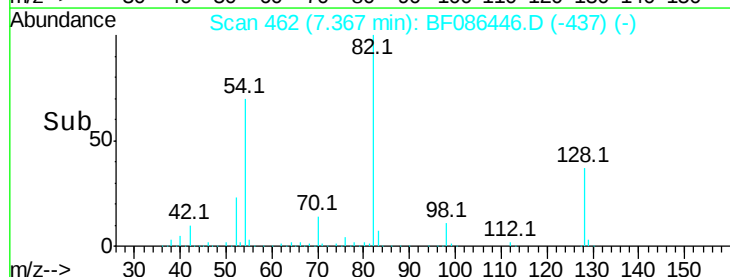
54 69.7 38.1 57.1#

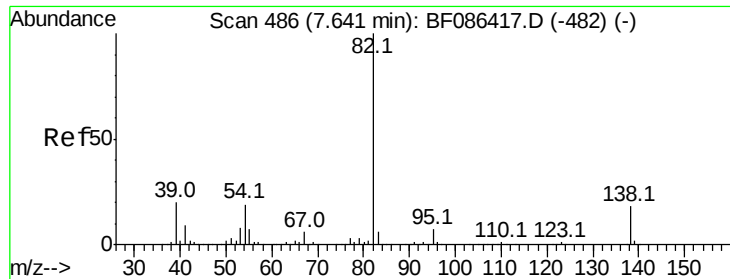


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.34 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

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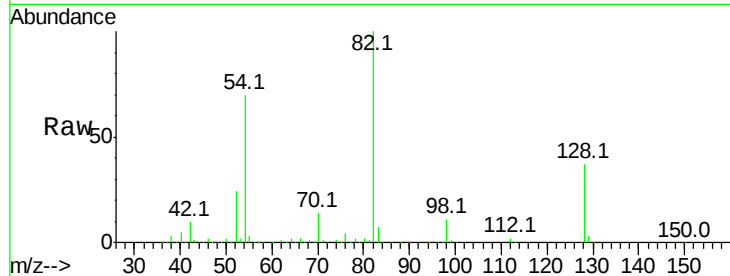
Tot Ion: 82 Resp: 688440

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

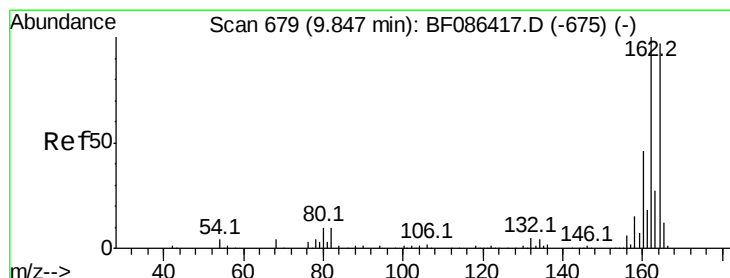
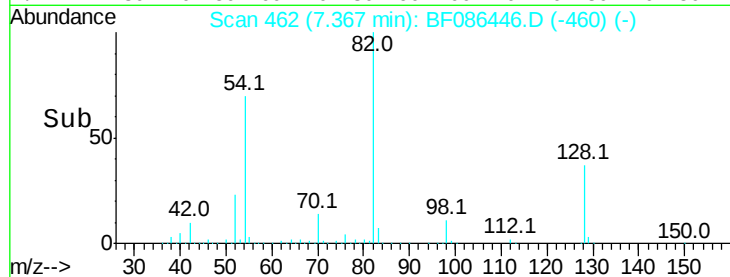
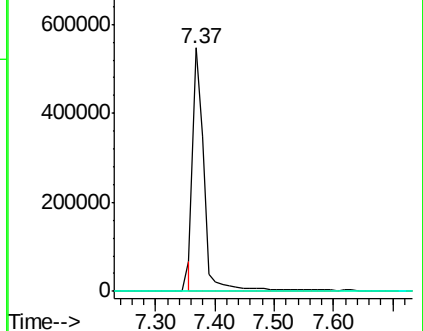
138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

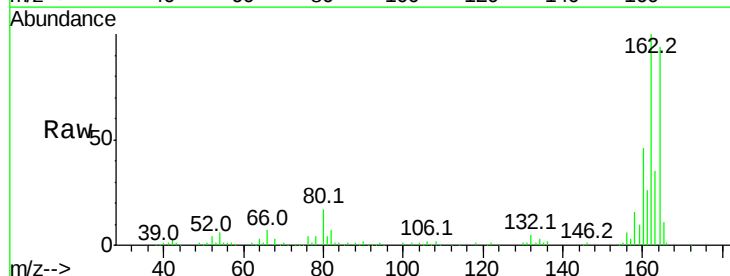
Tgt Ion:164 Resp: 157362

Ion Ratio Lower Upper

164 100

162 106.6 82.8 124.2

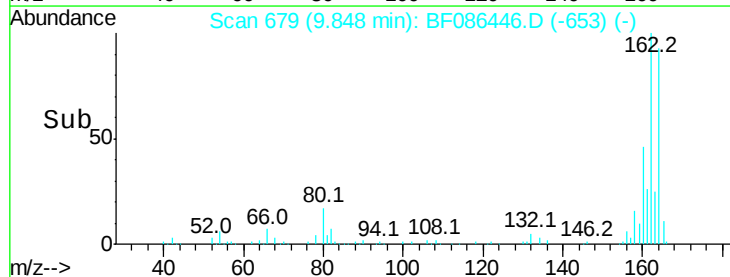
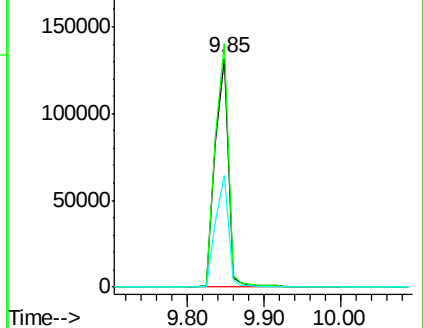
160 48.9 36.9 55.3

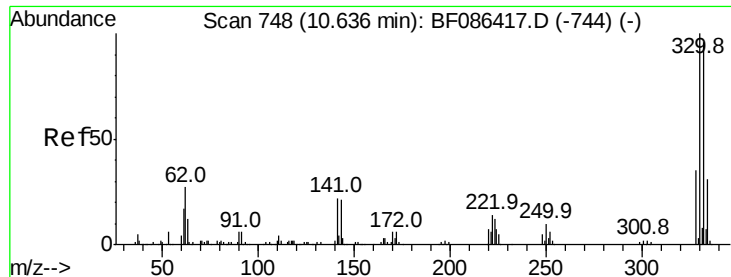


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

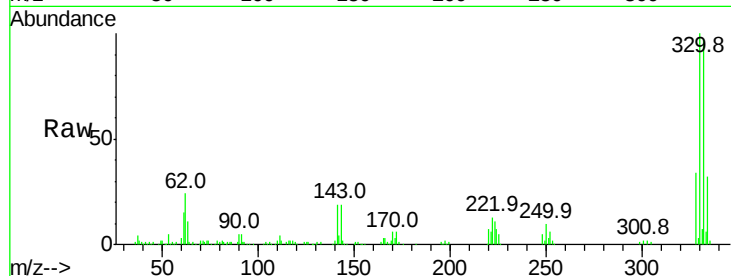




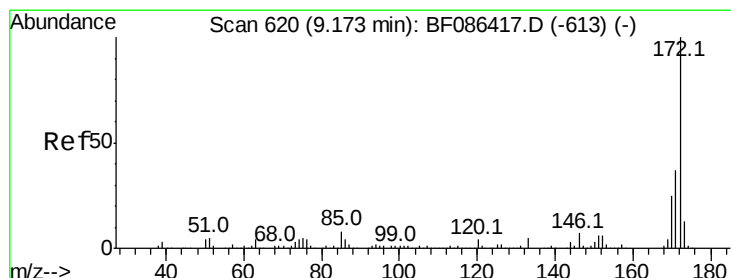
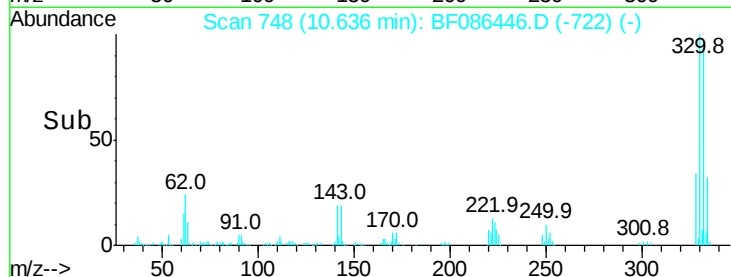
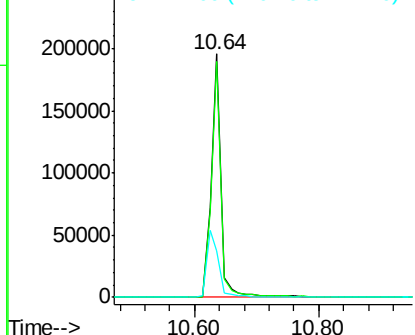
#41
 2,4,6-Tribromophenol
 Concen: 128.56 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086446.D
 Acq: 28 Apr 2016 1:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	79.0	118.4
141	33.7	31.2	46.8

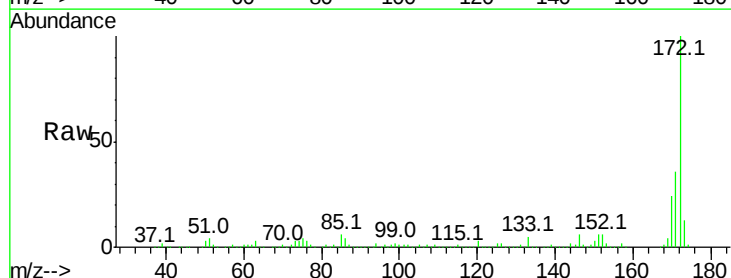


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

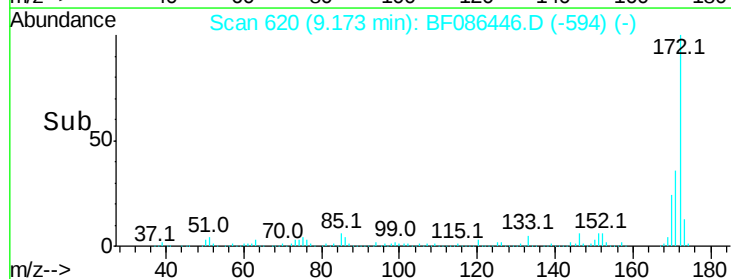
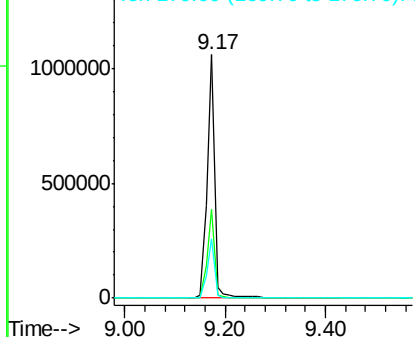


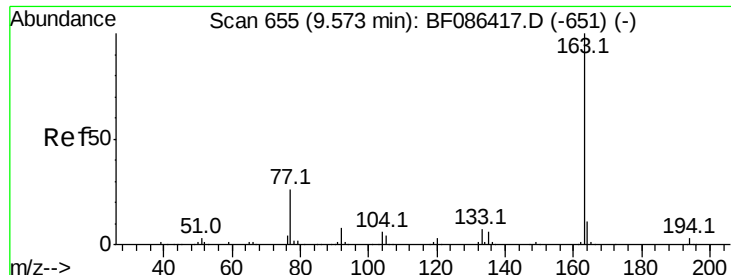
#44
 2-Fluorobiphenyl
 Concen: 140.43 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086446.D
 Acq: 28 Apr 2016 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.3	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

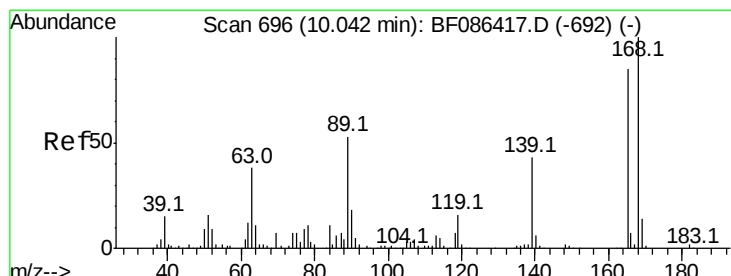
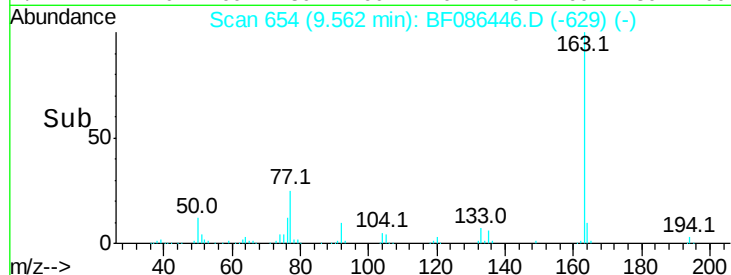
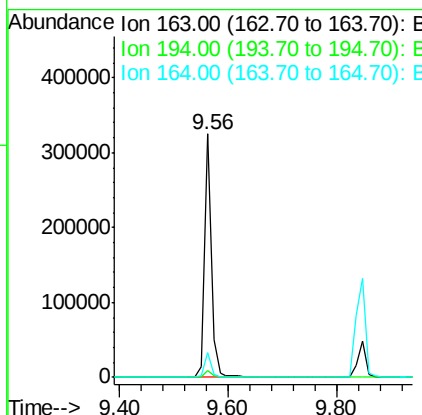
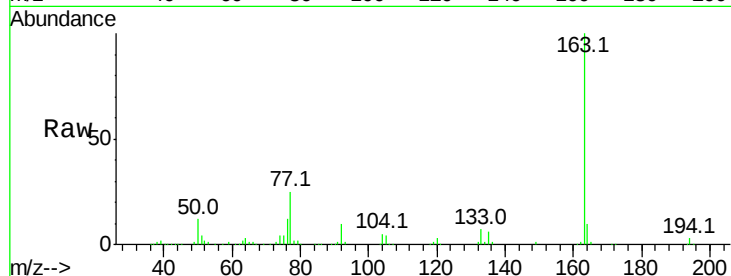




#49
Dimethylphthalate
Concen: 23.80 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086446.D
Acq: 28 Apr 2016 1:53

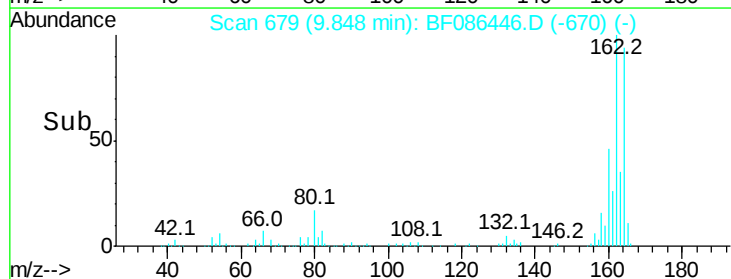
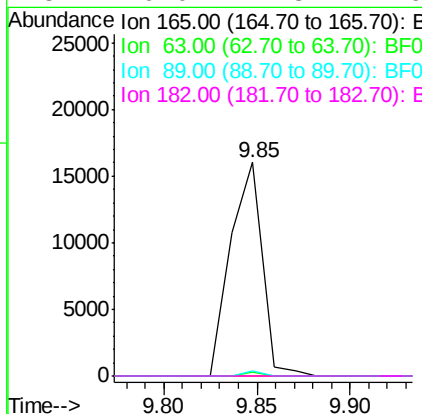
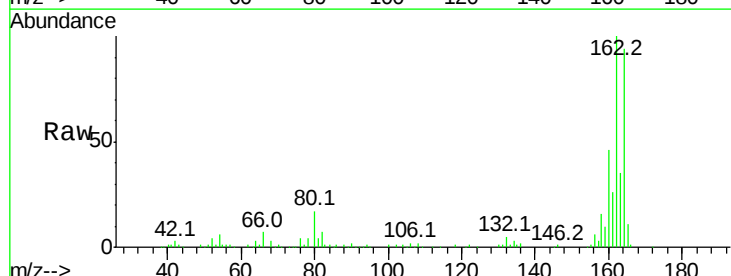
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1C

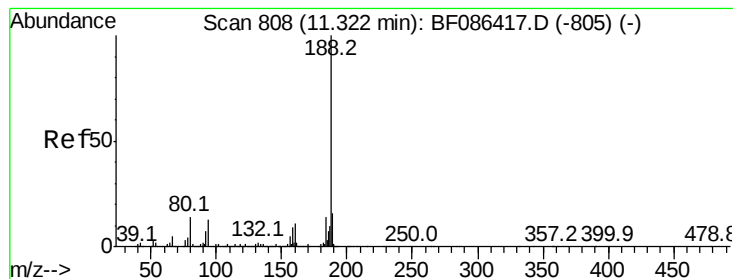
Tot Ion:163 Resp: 281957
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.3 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF086446.D
Acq: 28 Apr 2016 1:53

Tgt Ion:165 Resp: 19072
Ion Ratio Lower Upper
165 100
63 2.1 44.3 66.5#
89 2.3 70.0 105.0#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1C

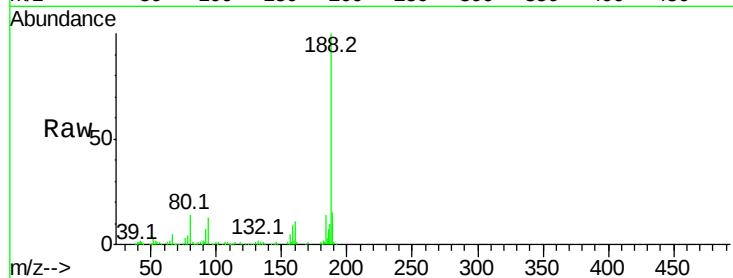
Tot Ion:188 Resp: 258370

Ion Ratio Lower Upper

188 100

94 13.2 6.8 10.2#

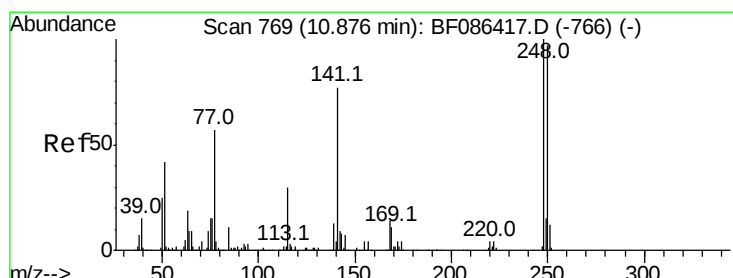
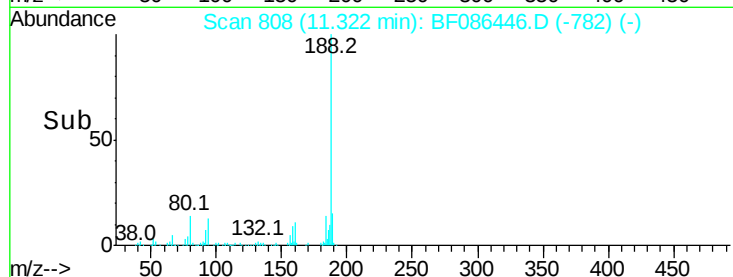
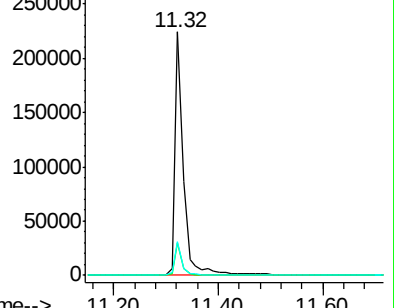
80 13.6 7.1 10.7#



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: 4.63 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.24 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

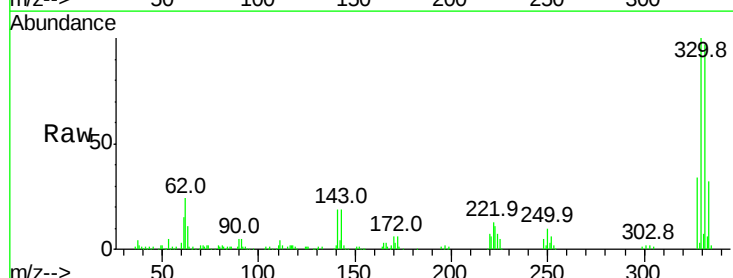
Tgt Ion:248 Resp: 12333

Ion Ratio Lower Upper

248 100

250 196.7 78.6 117.8#

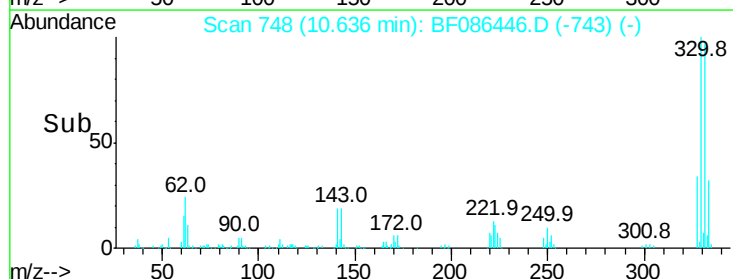
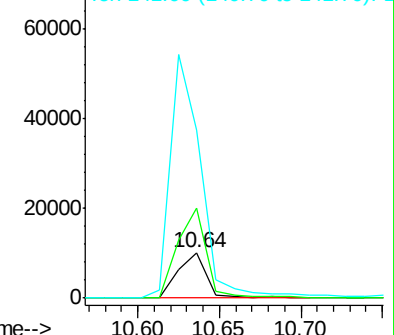
141 370.5 76.0 114.0#

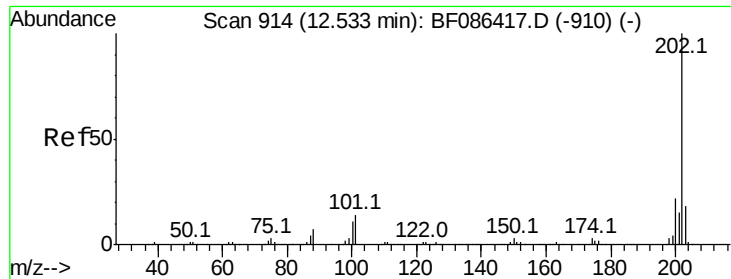


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

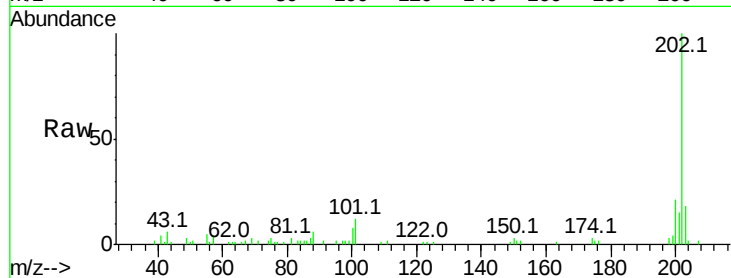




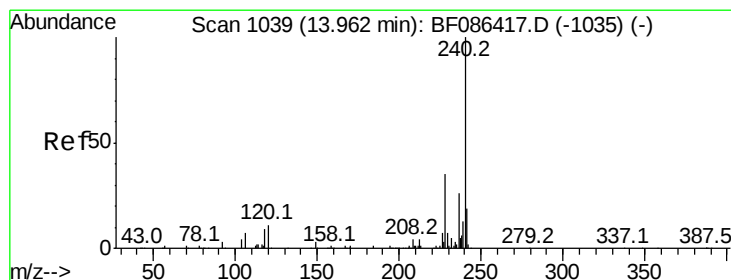
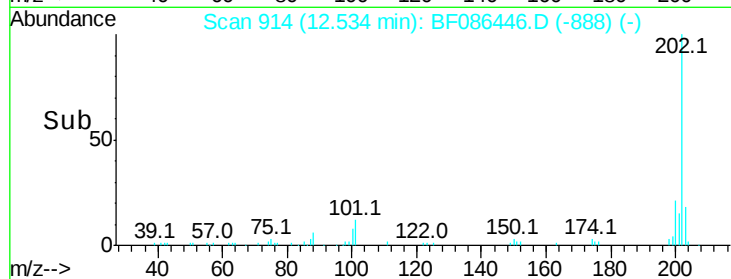
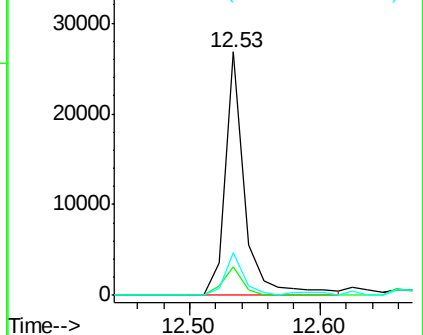
#74
Fluoranthene
 Concen: 2.05 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF086446.D
 Acq: 28 Apr 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1C

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	35.4
203	17.6	0.0	38.1

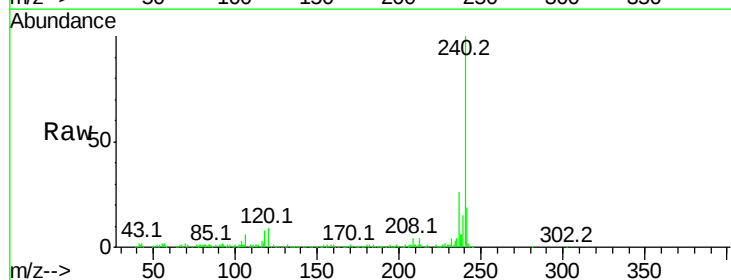


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

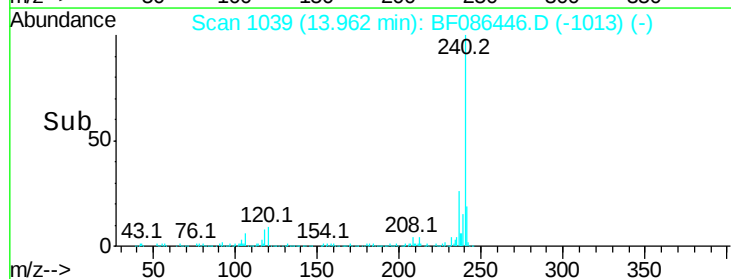
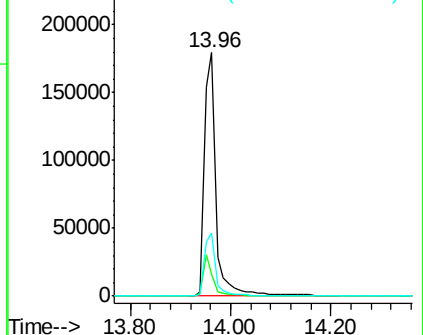


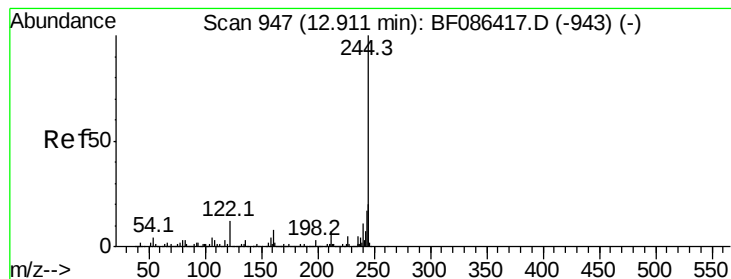
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF086446.D
 Acq: 28 Apr 2016 1:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	11.2	16.8#
236	26.0	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: 58.42 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1C

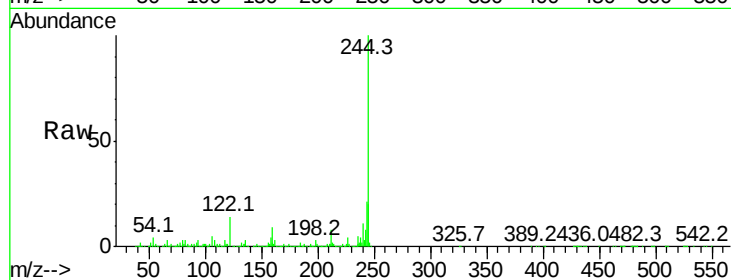
Tot Ion:244 Resp: 762713

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 14.1 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

12.91

800000

600000

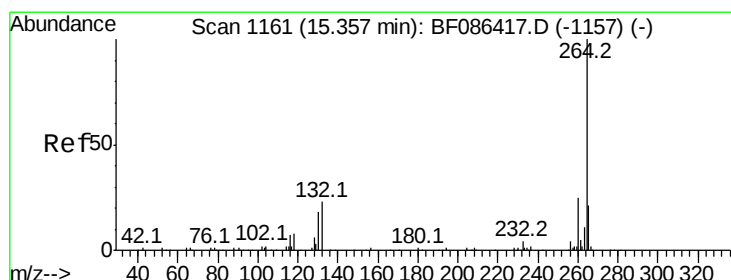
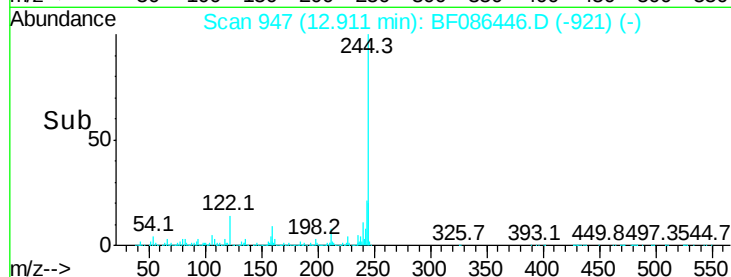
400000

200000

0

Time-->

12.80 13.00 13.20



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

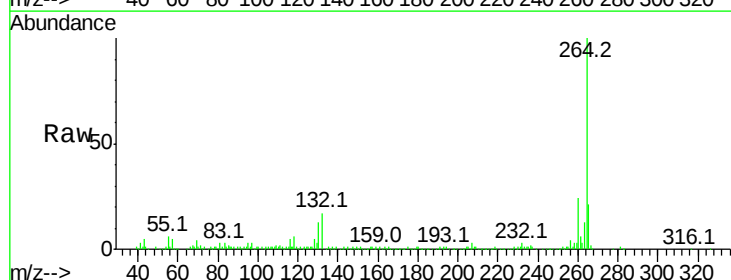
Tgt Ion:264 Resp: 209181

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 20.8 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

15.37

200000

150000

100000

50000

0

Time-->

15.40 15.60

