

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040216\
 Data File : BF086037.D
 Acq On : 3 Apr 2016 3:19
 Operator : UM/SJ
 Sample : H1954-01DL 25X
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BL

Quant Time: Apr 04 01:13:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

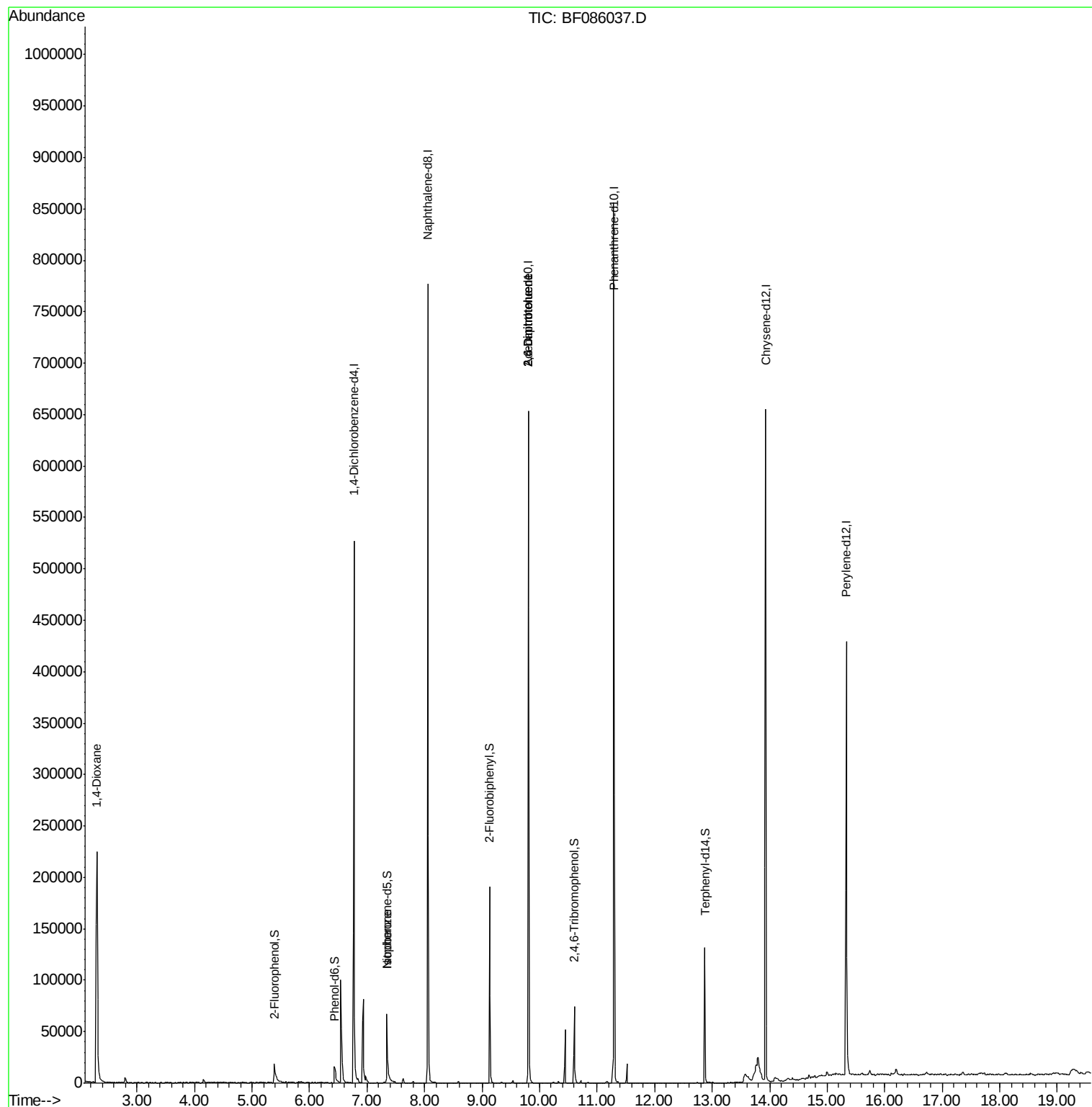
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	90257	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	373446	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	169662	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	334077	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	236630	20.00	ng	0.00
86) Perylene-d12	15.33	264	186419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	18868	3.57	ng	0.02
7) Phenol-d6	6.43	99	17757	2.65	ng	0.01
23) Nitrobenzene-d5	7.34	82	33041	5.22	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	11167	7.01	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	72046	7.06	ng	-0.01
78) Terphenyl-d14	12.88	244	60331	5.99	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.30	88	139220	55.61	ng	99
25) Isophorone	7.34	82	33041	2.64	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	21047	7.91	ng	# 17
56) 2,4-Dinitrotoluene	9.80	165	21043	6.26	ng	# 35

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Instrument :

BNA_F

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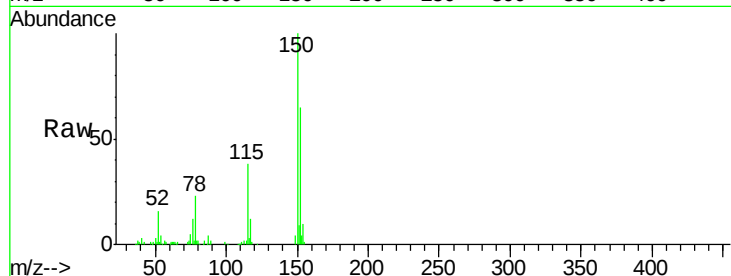
Tgt Ion:152 Resp: 90257

Ion Ratio Lower Upper

152 100

150 154.4 124.2 186.2

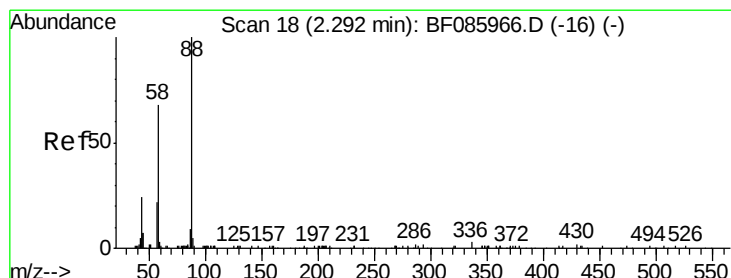
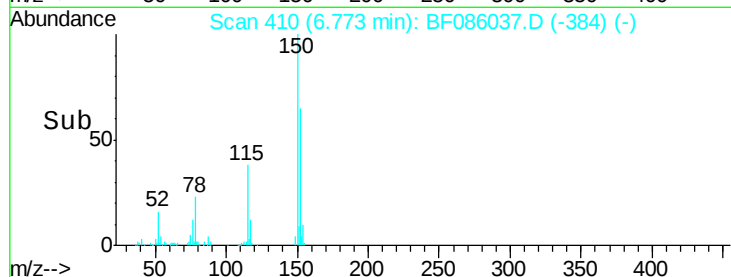
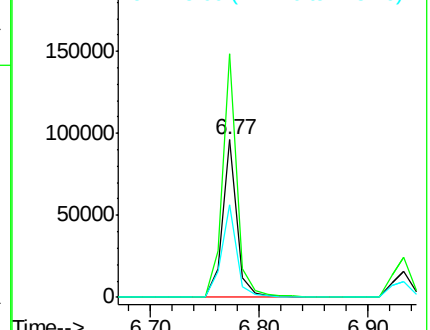
115 58.7 47.0 70.6



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



#2

1,4-Dioxane

Concen: 55.61 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.01 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

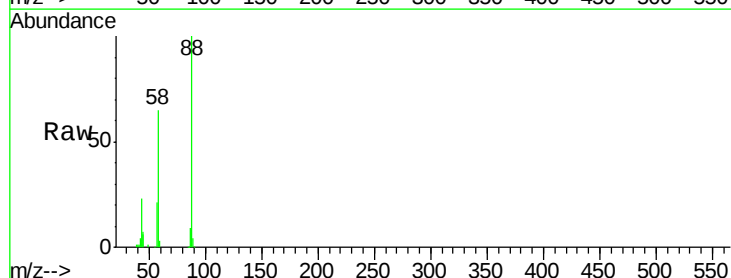
Tgt Ion: 88 Resp: 139220

Ion Ratio Lower Upper

88 100

58 67.7 54.2 81.2

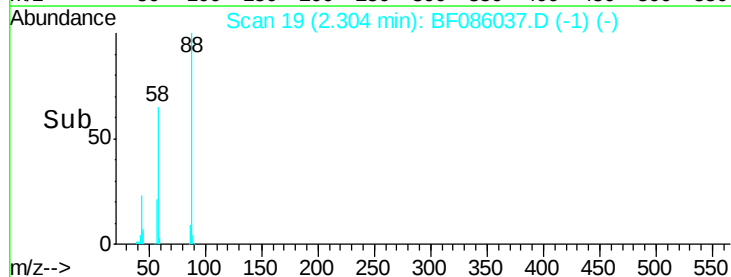
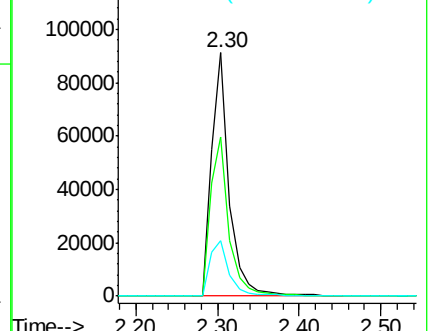
43 25.5 19.3 28.9

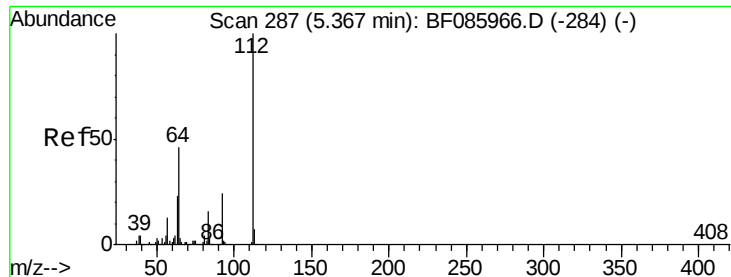


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 3.57 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.02 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Instrument :

BNA_F

ClientSampleId :

PB89407BL

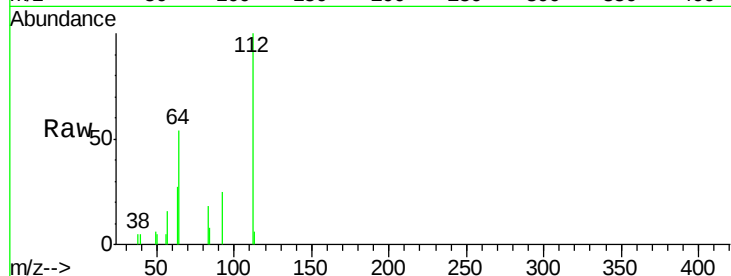
Tgt Ion: 112 Resp: 18868

Ion Ratio Lower Upper

112 100

64 53.7 39.9 59.9

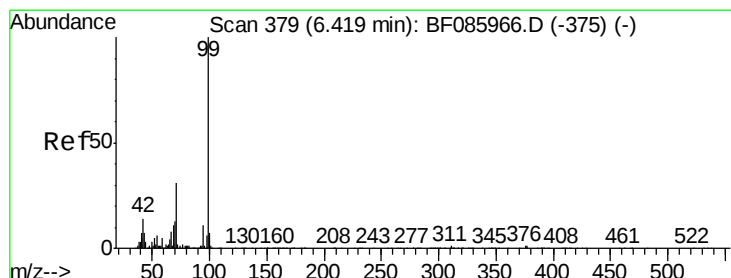
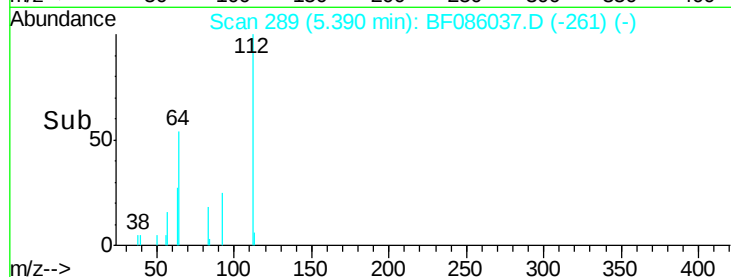
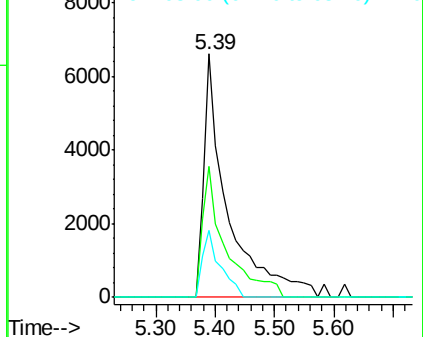
63 27.4 20.2 30.2



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: 2.65 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

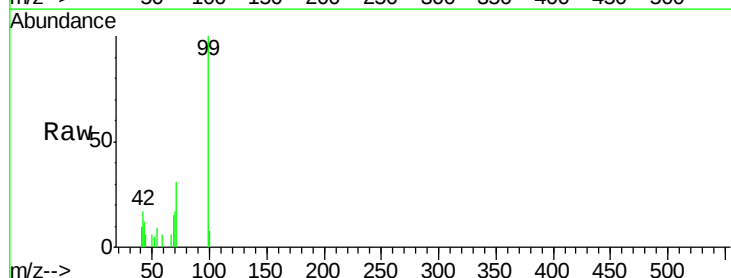
Tgt Ion: 99 Resp: 17757

Ion Ratio Lower Upper

99 100

42 17.5 11.1 16.7#

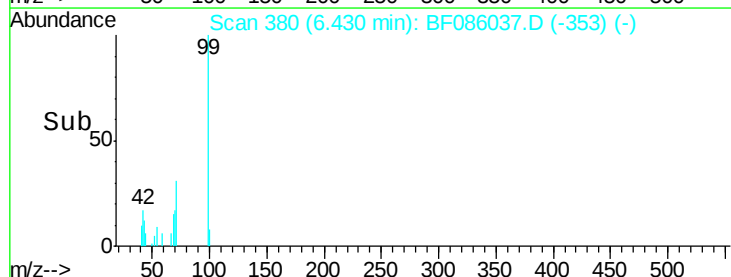
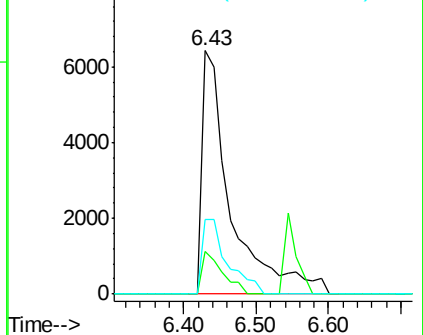
71 30.6 24.9 37.3

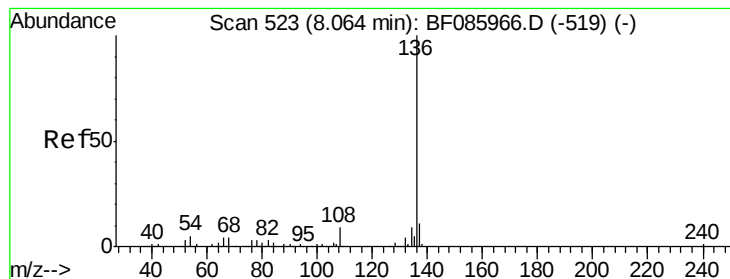


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Instrument :

BNA_F

ClientSampleId :

PB89407BL

Tgt Ion: 136 Resp: 373446

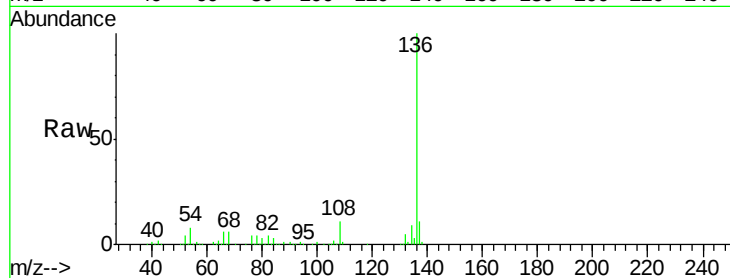
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 7.4 11.0

68 6.5 5.8 8.8

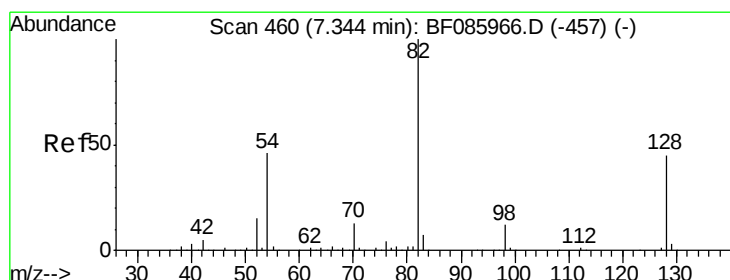
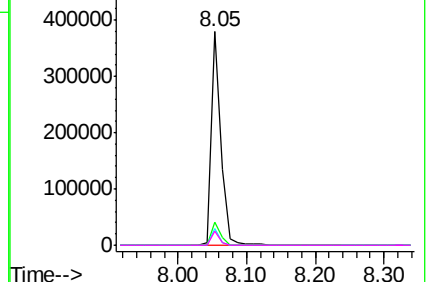
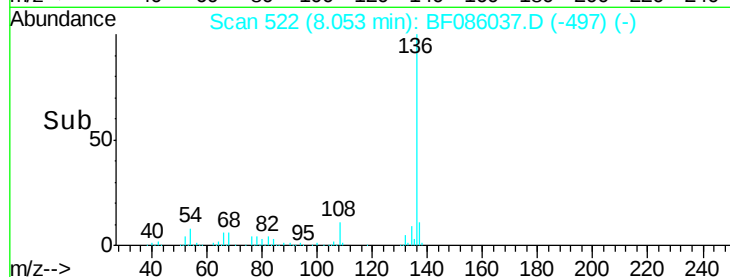


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.22 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

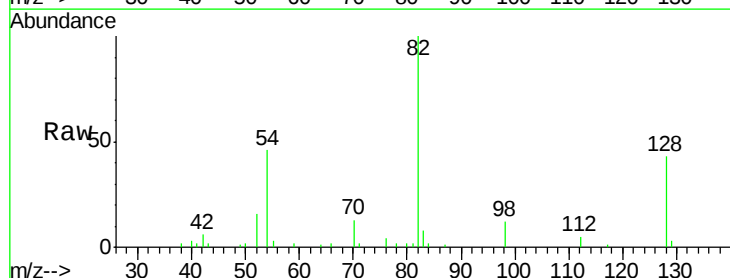
Tgt Ion: 82 Resp: 33041

Ion Ratio Lower Upper

82 100

128 43.2 41.8 62.8

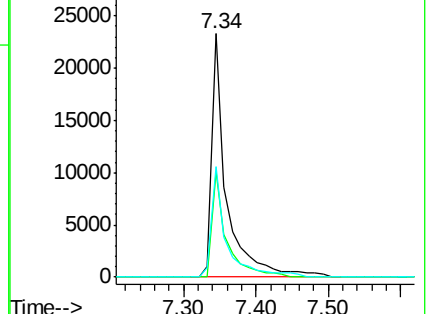
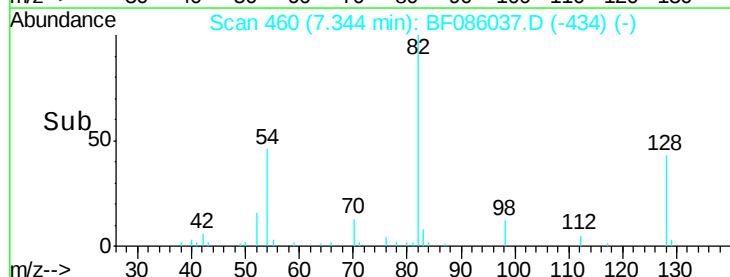
54 45.6 33.4 50.0

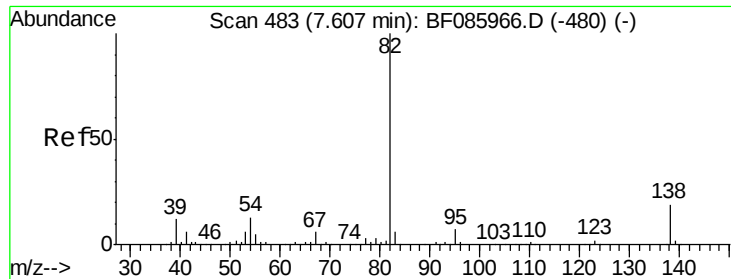


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.64 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Instrument :

BNA_F

ClientSampleId :

PB89407BL

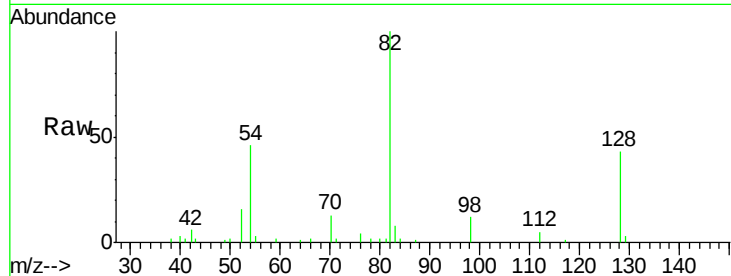
Tgt Ion: 82 Resp: 33041

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

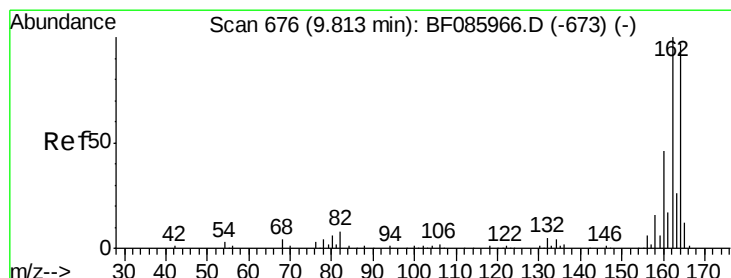
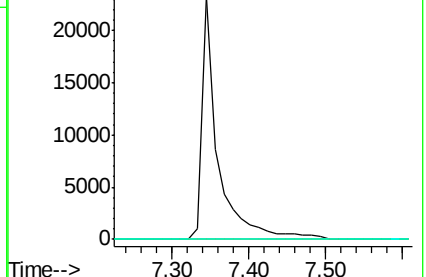
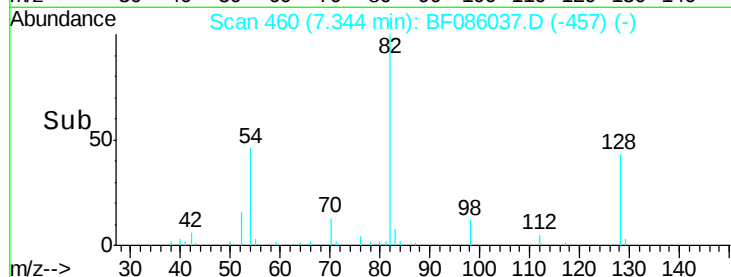
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF086037.D (-457) (-)

Ion 95.00 (94.70 to 95.70): BF086037.D (-457) (-)

Ion 138.00 (137.70 to 138.70): BF086037.D (-457) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

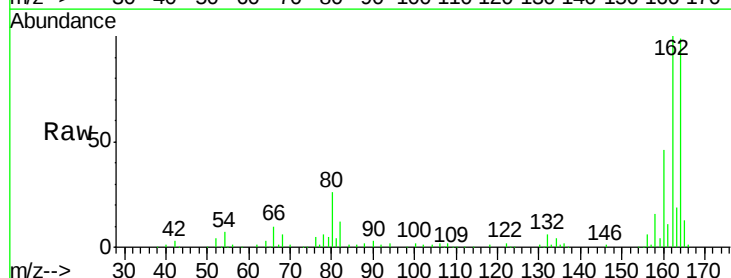
Tgt Ion: 164 Resp: 169662

Ion Ratio Lower Upper

164 100

162 101.3 82.1 123.1

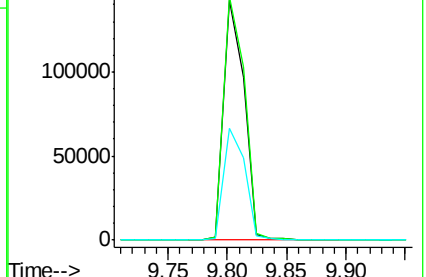
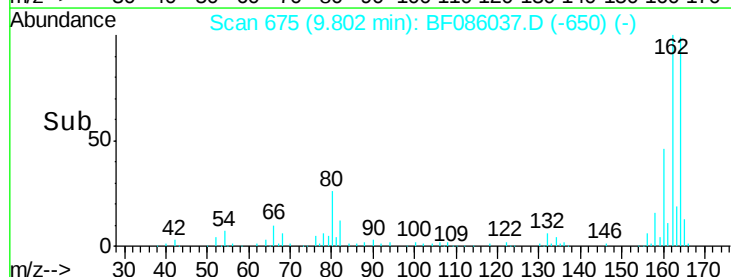
160 46.3 37.4 56.2

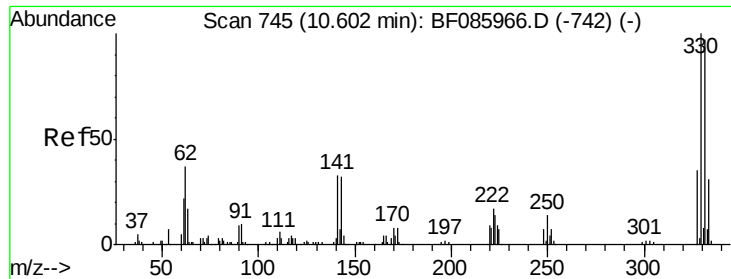


Abundance Ion 164.00 (163.70 to 164.70): BF086037.D (-650) (-)

Ion 162.00 (161.70 to 162.70): BF086037.D (-650) (-)

Ion 160.00 (159.70 to 160.70): BF086037.D (-650) (-)

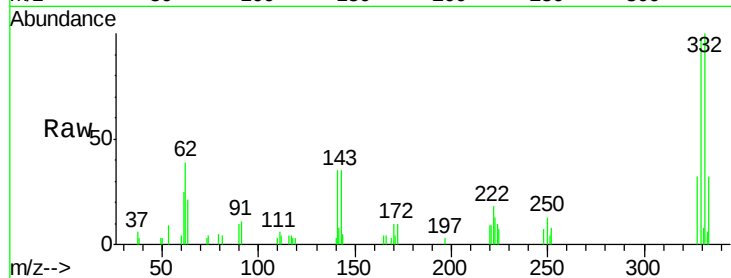




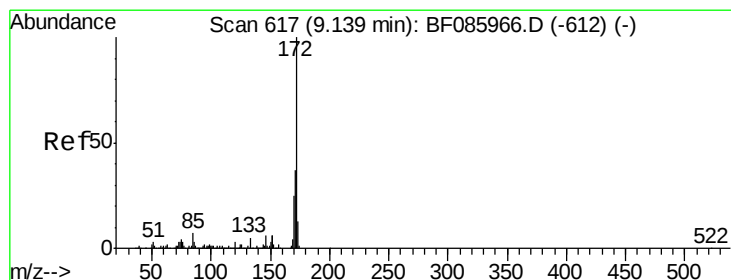
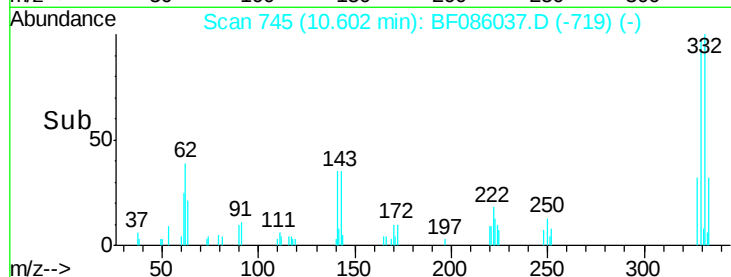
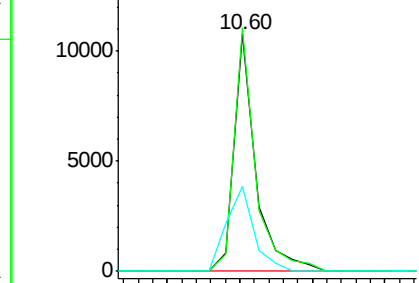
#41
 2,4,6-Tribromophenol
 Concen: 7.01 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF086037.D
 Acq: 3 Apr 2016 3:19

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	78.2	117.2
141	44.8	31.5	47.3

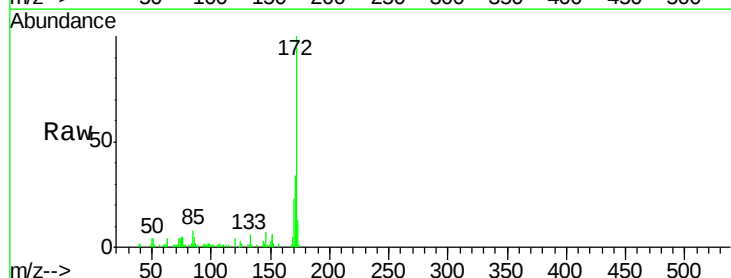


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

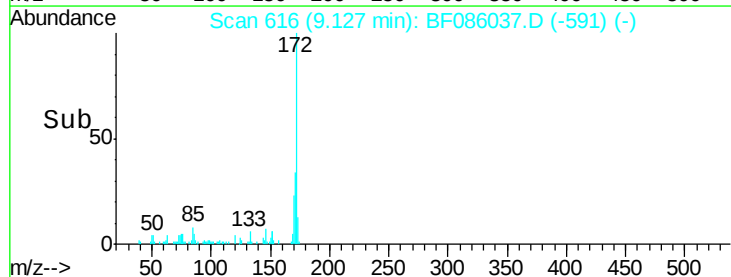
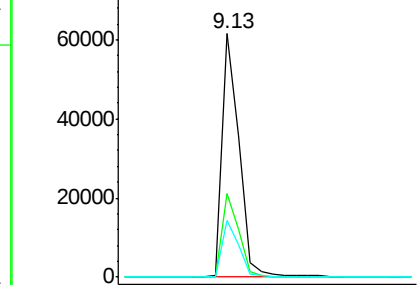


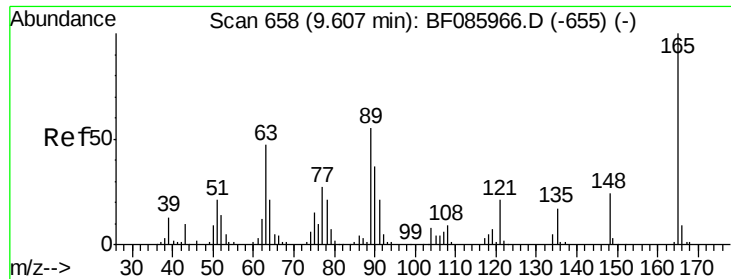
#44
 2-Fluorobiphenyl
 Concen: 7.06 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086037.D
 Acq: 3 Apr 2016 3:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.4	44.2
170	23.1	19.8	29.6



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

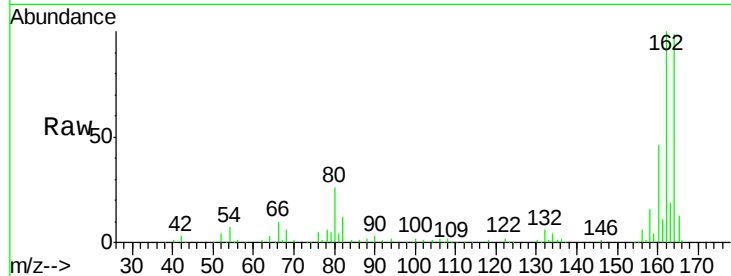




#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF086037.D
 Acq: 3 Apr 2016 3:19

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BL

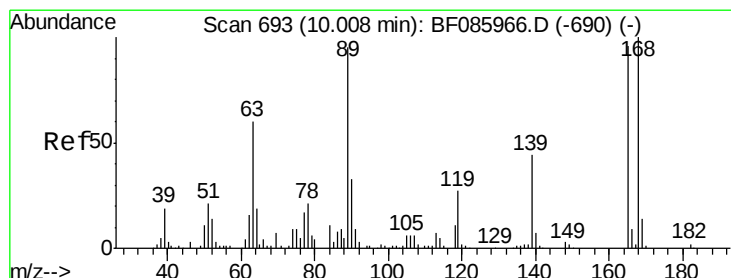
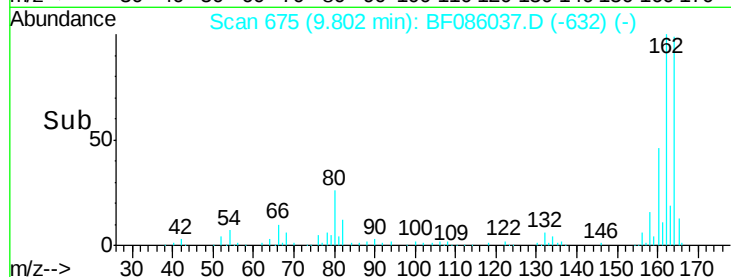
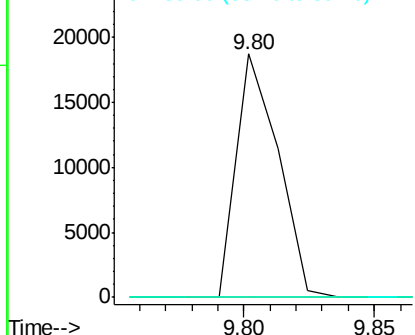
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.8#
89	0.0	53.7	80.5#



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: 6.26 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF086037.D
 Acq: 3 Apr 2016 3:19

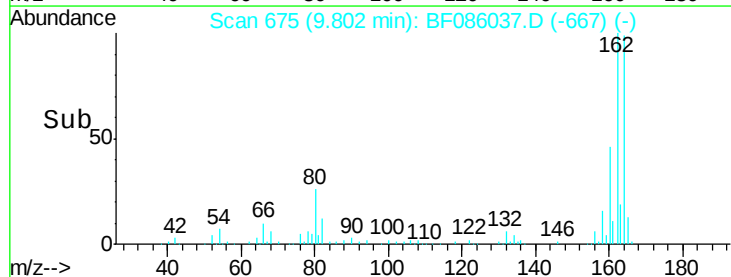
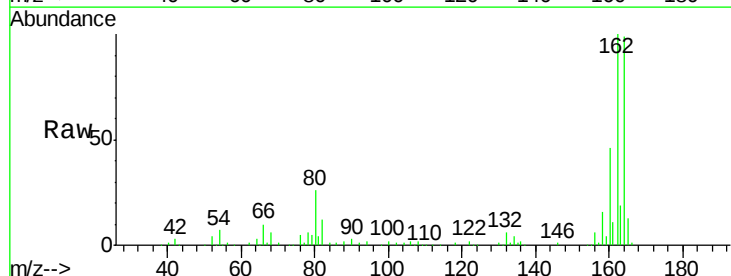
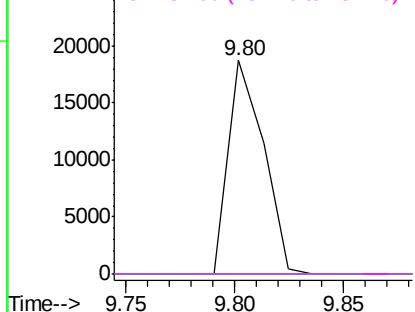
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	0.0	41.0	61.6#
182	0.0	2.1	3.1#

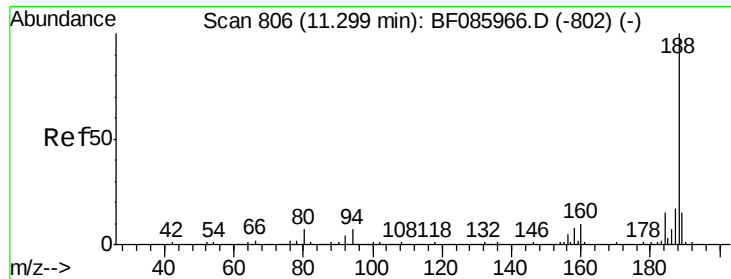
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

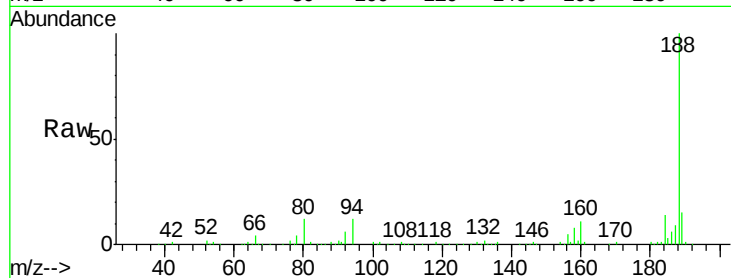




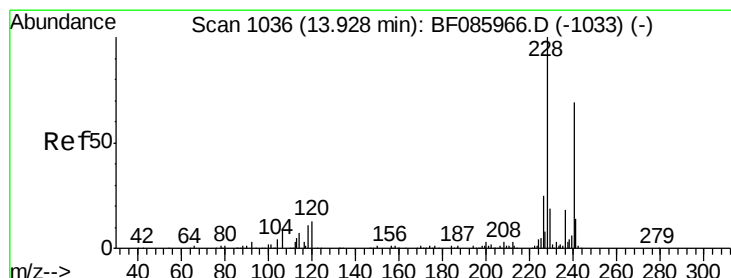
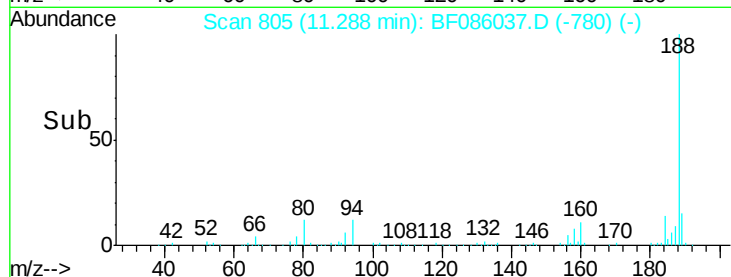
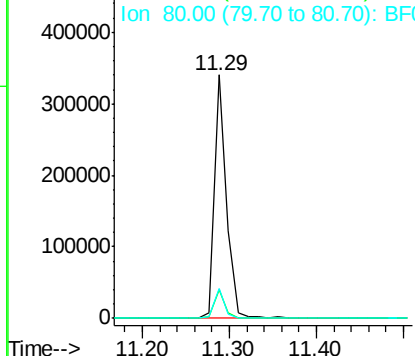
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086037.D
Acq: 3 Apr 2016 3:19

Instrument :
BNA_F
ClientSampleId :
PB89407BL

Tgt Ion:188 Resp: 334077
Ion Ratio Lower Upper
188 100
94 11.6 5.4 8.0#
80 12.3 5.5 8.3#

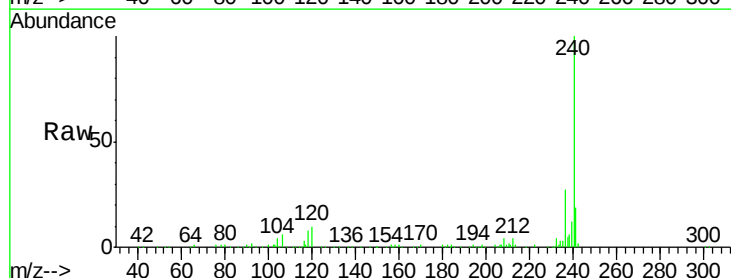


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

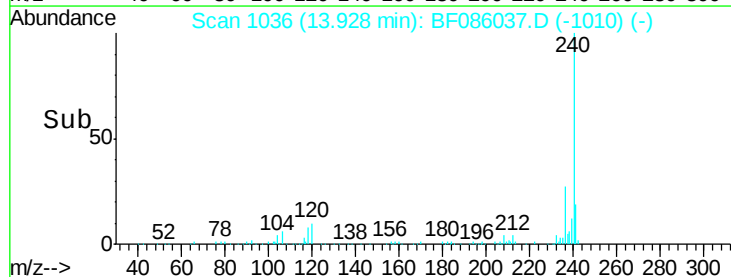
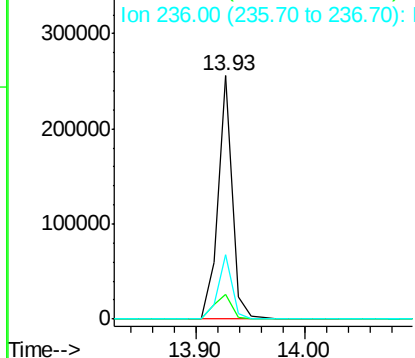


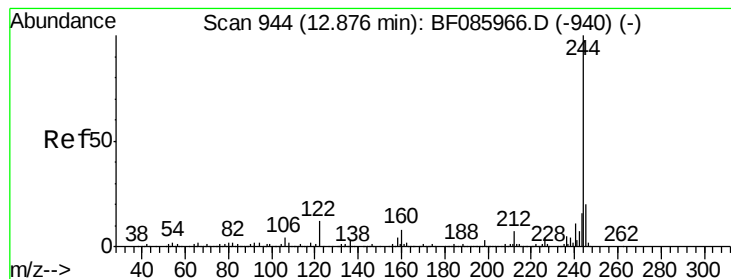
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF086037.D
Acq: 3 Apr 2016 3:19

Tgt Ion:240 Resp: 236630
Ion Ratio Lower Upper
240 100
120 10.0 13.8 20.8#
236 26.7 20.6 30.8



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: 5.99 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Instrument :

BNA_F

ClientSampleId :

PB89407BL

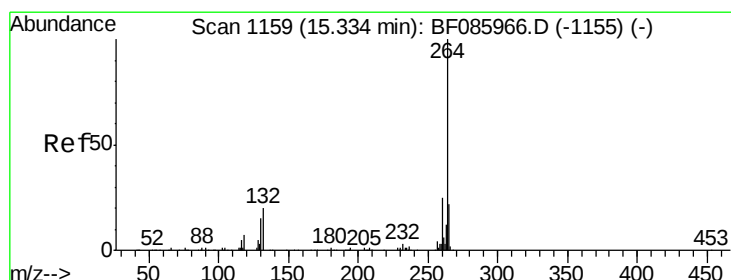
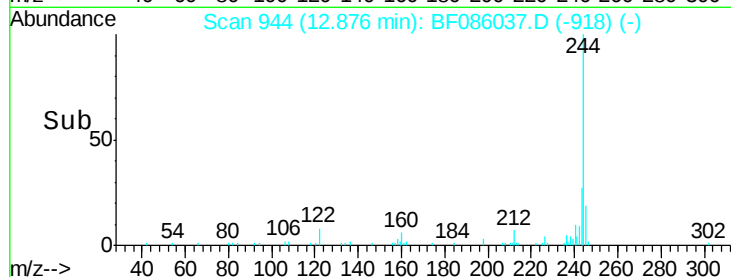
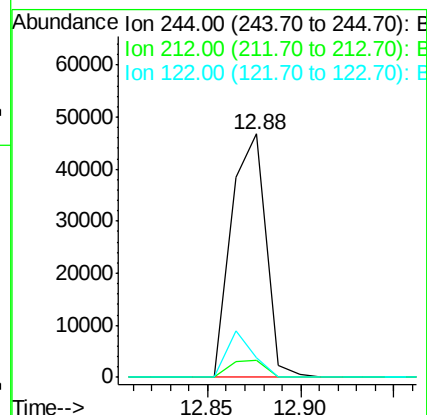
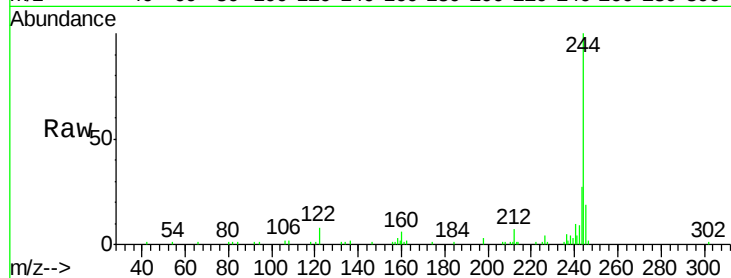
Tgt Ion:244 Resp: 60331

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 7.8 10.2 15.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF086037.D

Acq: 3 Apr 2016 3:19

Tgt Ion:264 Resp: 186419

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.5 17.2 25.8

