

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085977.D
 Acq On : 1 Apr 2016 22:43
 Operator : UM/SJ
 Sample : PB89314BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89314BL

Quant Time: Apr 01 23:34:57 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

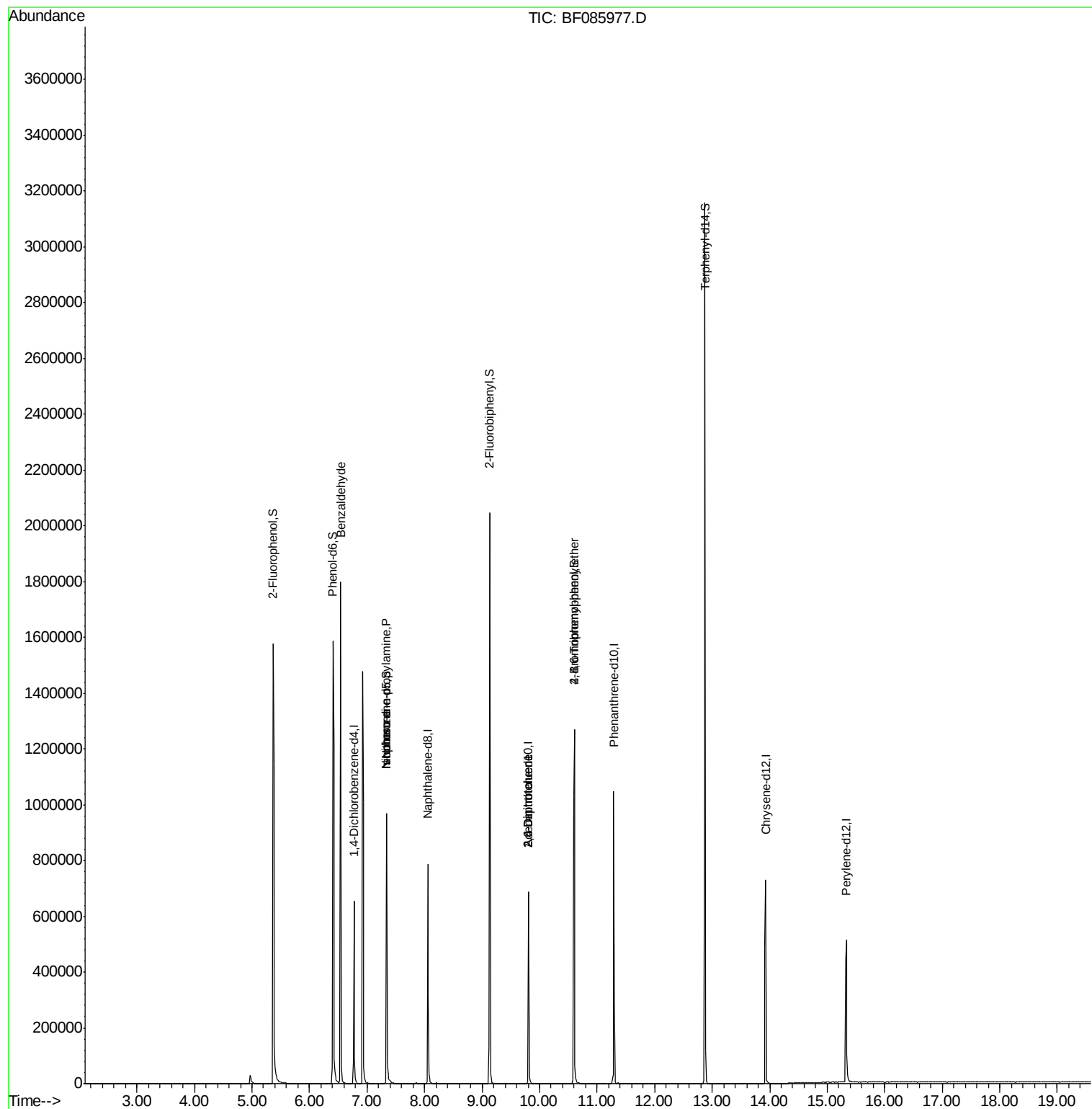
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	103844	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	415731	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	185286	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	390605	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	328084	20.00	ng	0.00
86) Perylene-d12	15.33	264	289538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	678752	111.72	ng	0.00
7) Phenol-d6	6.41	99	853665	110.63	ng	-0.01
23) Nitrobenzene-d5	7.33	82	517486	73.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	233106	134.04	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	932680	83.70	ng	-0.01
78) Terphenyl-d14	12.88	244	1024321	73.39	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.54	77	15217	3.66	ng	89
19) n-Nitroso-di-n-propylamine	7.33	70	66141	13.83	ng	# 79
25) Isophorone	7.33	82	515914	37.07	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	23396	8.05	ng	# 18
56) 2,4-Dinitrotoluene	9.80	165	23397	6.37	ng	# 36
66) 4-Bromophenyl-phenylether	10.60	248	14765	3.70	ng	# 1

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

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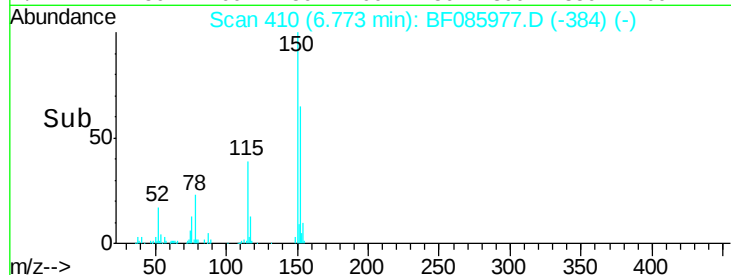
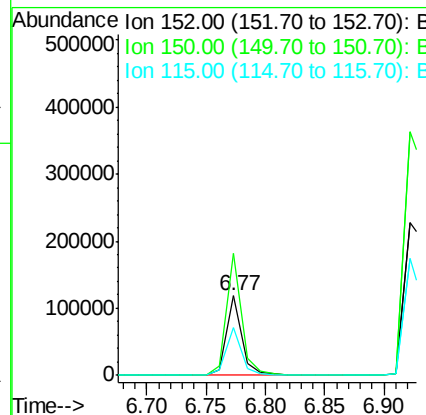
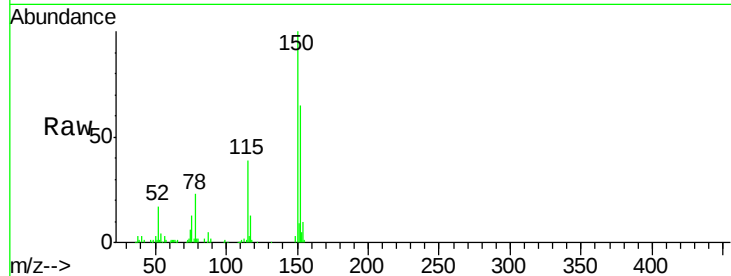


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF085977.D
Acq: 1 Apr 2016 22:43

Instrument :
BNA_F
ClientSampleId :
PB89314BL

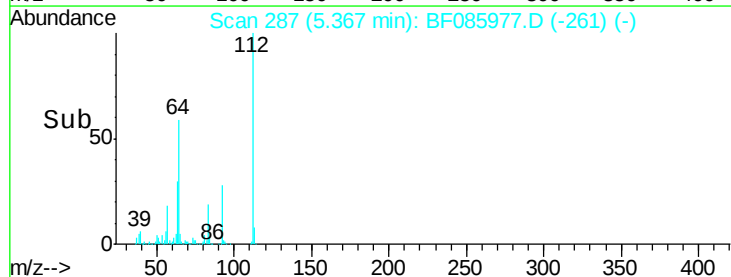
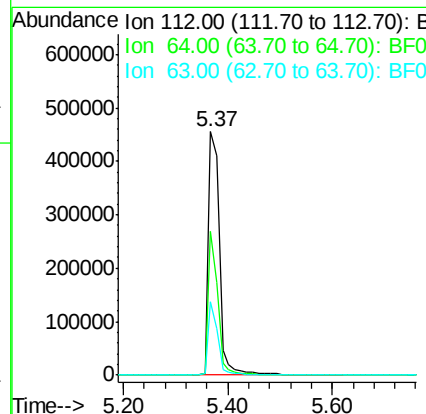
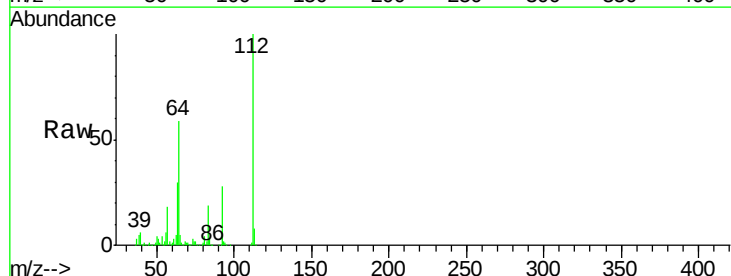
Tot Ion:152 Resp: 103844
Ion Ratio Lower Upper
152 100
150 153.8 124.2 186.2
115 60.5 47.0 70.6

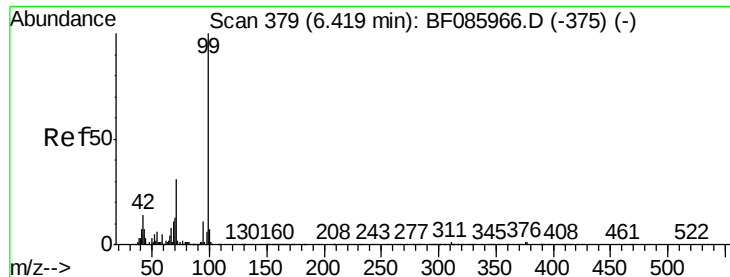


#5

2-Fluorophenol
Concen: 111.72 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF085977.D
Acq: 1 Apr 2016 22:43

Tgt Ion:112 Resp: 678752
Ion Ratio Lower Upper
112 100
64 59.0 39.9 59.9
63 30.3 20.2 30.2#





#7

Phenol-d6

Concen: 110.63 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

Instrument :

BNA_F

ClientSampleId :

PB89314BL

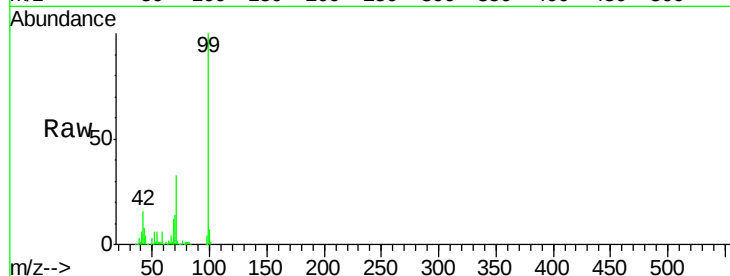
Tot Ion: 99 Resp: 853665

Ion Ratio Lower Upper

99 100

42 15.8 11.1 16.7

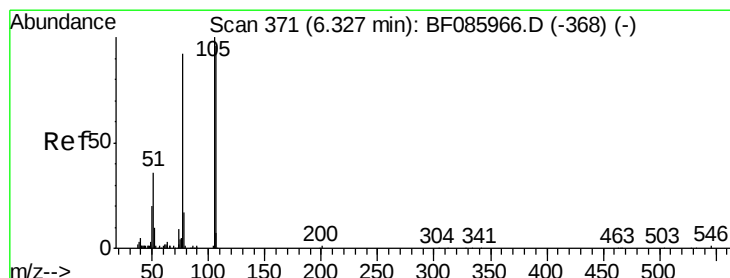
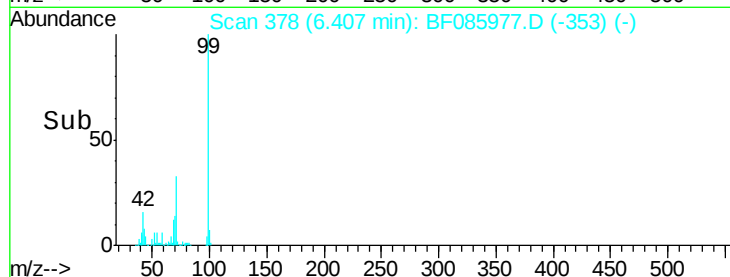
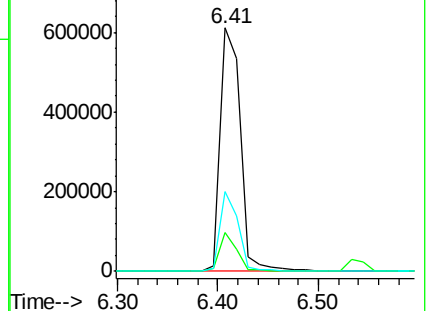
71 33.0 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.66 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

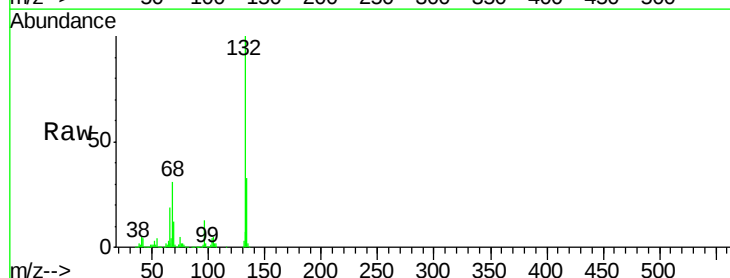
Tgt Ion: 77 Resp: 15217

Ion Ratio Lower Upper

77 100

105 91.6 80.1 120.1

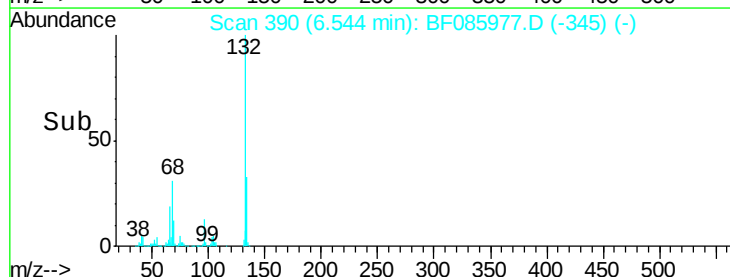
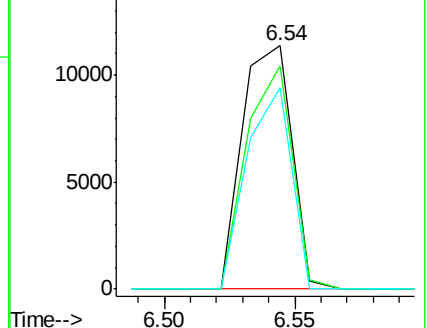
106 82.7 75.0 115.0

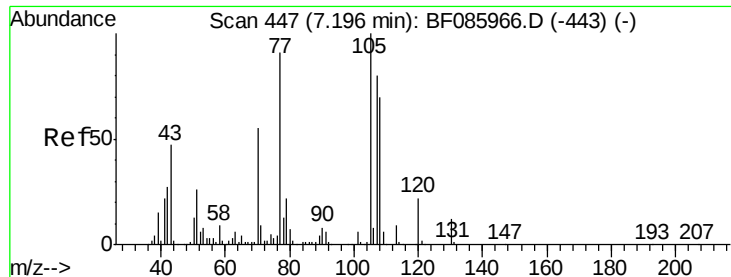


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

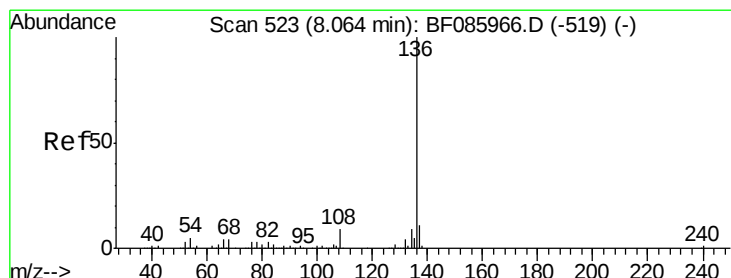
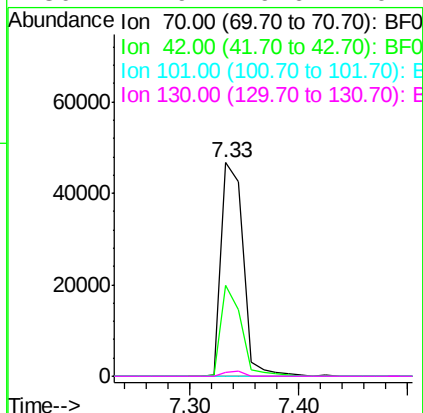
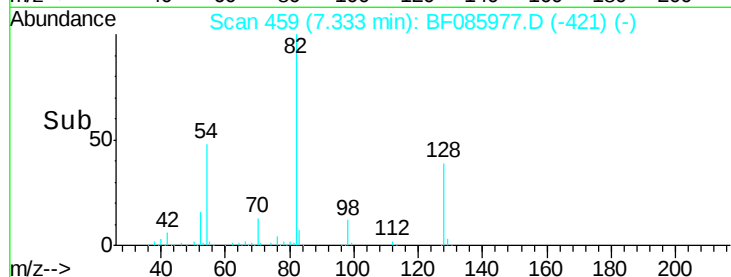
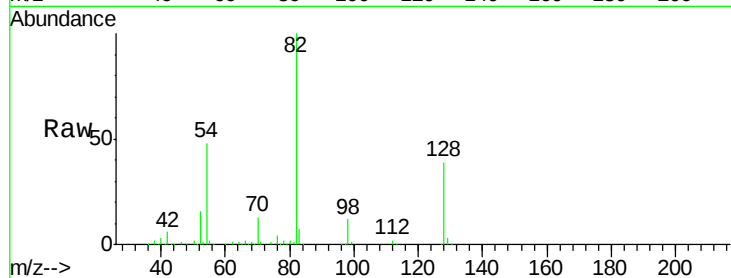




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.83 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.14 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

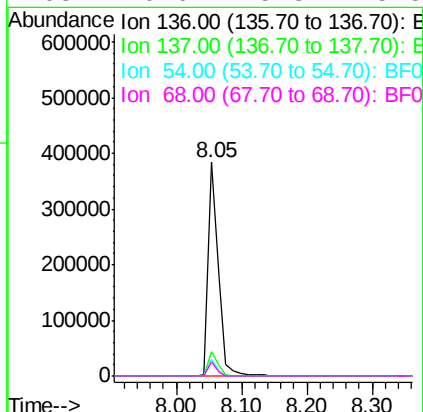
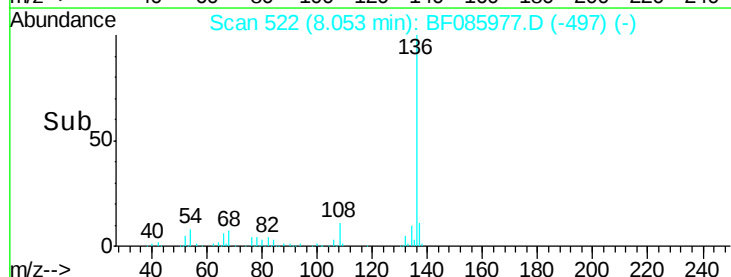
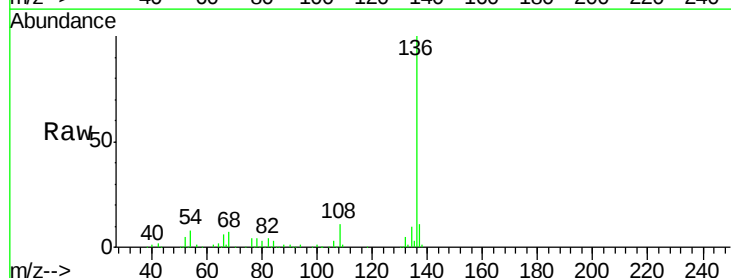
Instrument :
 BNA_F
 ClientSampleId :
 PB89314BL

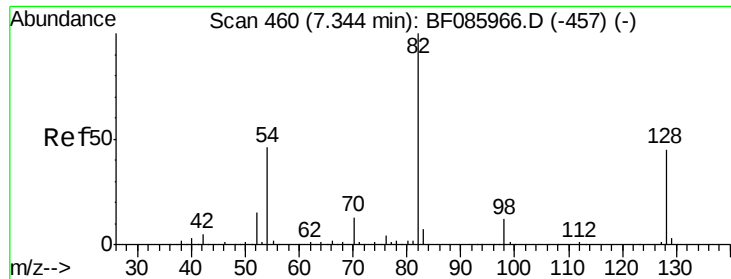
Tot Ion: 70 Resp: 66141
 Ion Ratio Lower Upper
 70 100
 42 42.5 37.1 55.7
 101 0.0 8.6 12.8#
 130 1.9 19.6 29.4#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

Tgt Ion: 136 Resp: 415731
 Ion Ratio Lower Upper
 136 100
 137 11.3 9.1 13.7
 54 8.0 7.4 11.0
 68 6.6 5.8 8.8

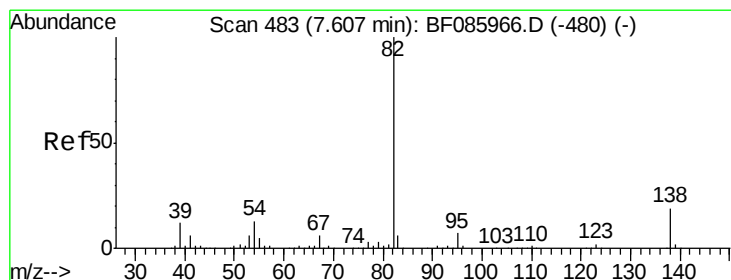
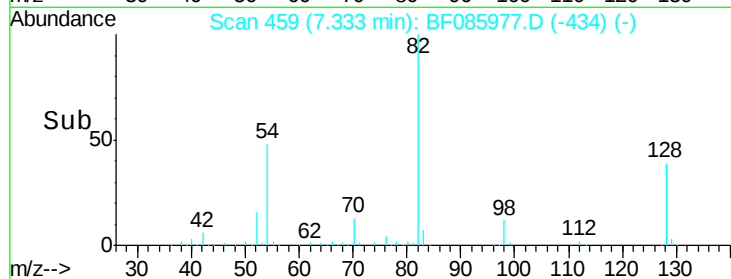
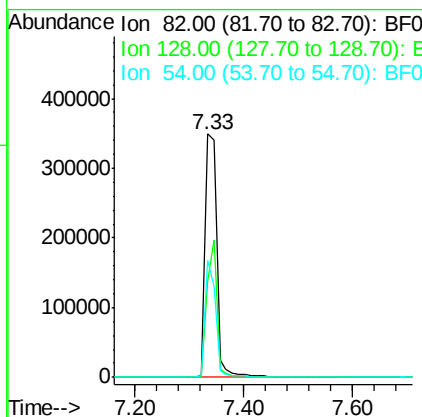
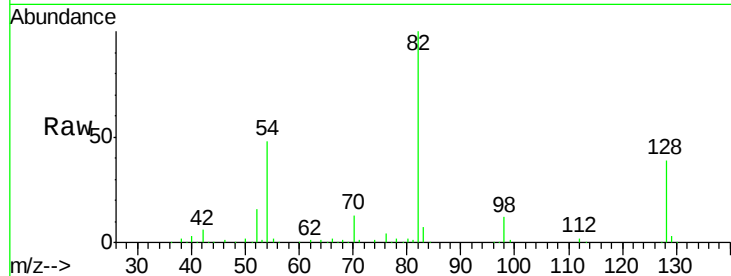




#23
 Nitrobenzene-d5
 Concen: 73.41 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

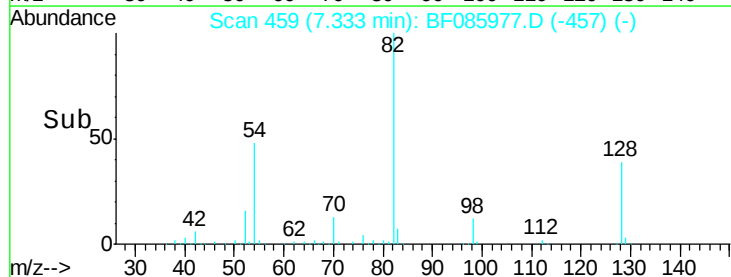
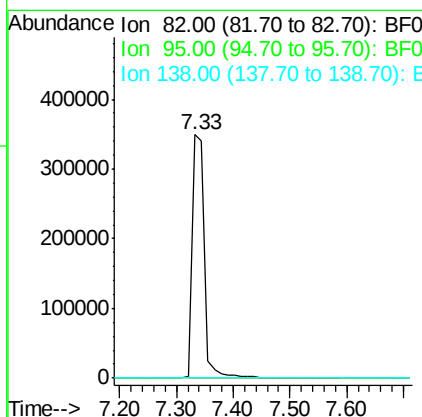
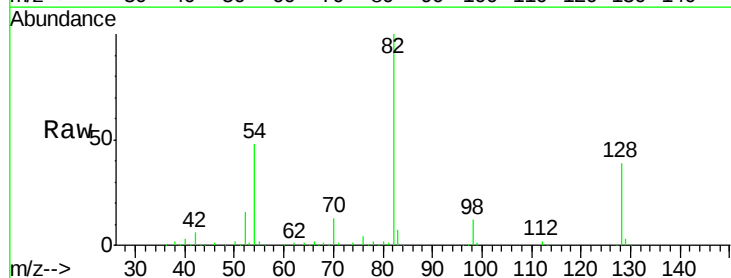
Instrument :
 BNA_F
 ClientSampleId :
 PB89314BL

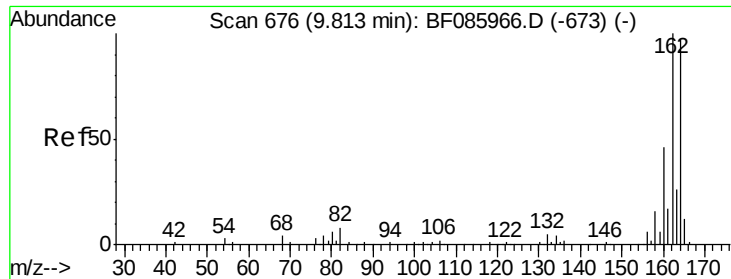
Tot Ion: 82 Resp: 517486
 Ion Ratio Lower Upper
 82 100
 128 39.5 41.8 62.8#
 54 47.8 33.4 50.0



#25
 Isophorone
 Concen: 37.07 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.27 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

Tgt Ion: 82 Resp: 515914
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#

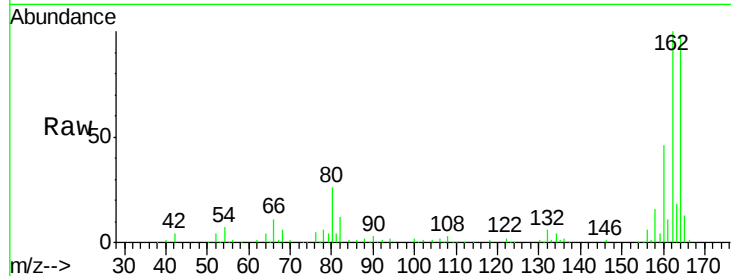




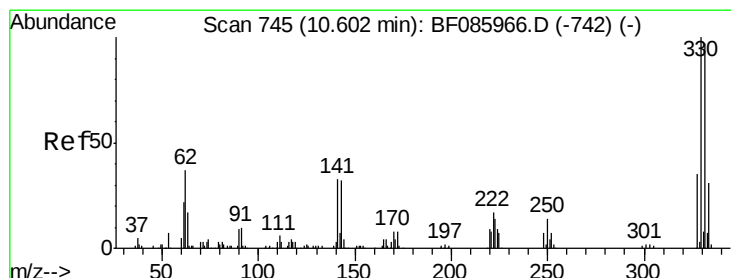
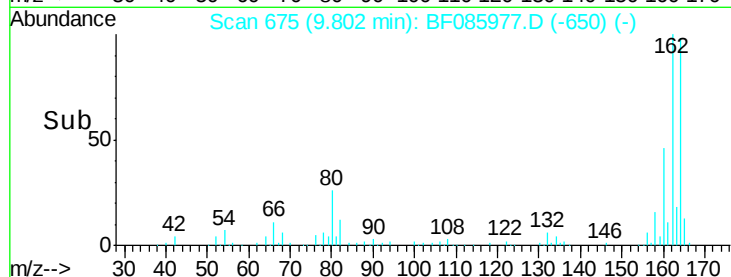
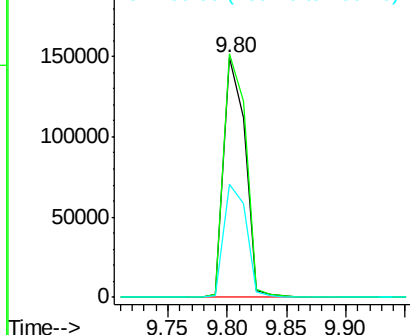
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 PB89314BL

Tot Ion:164 Resp: 185286
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.1 123.1
 160 47.2 37.4 56.2

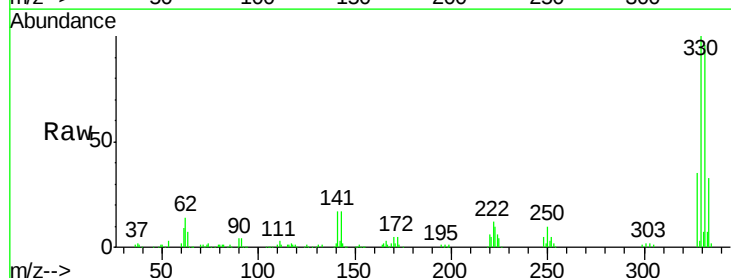


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

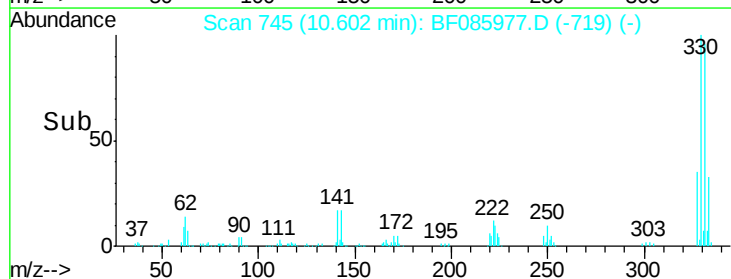
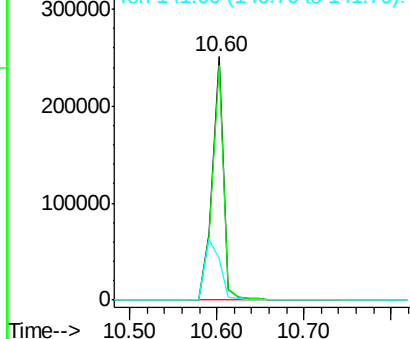


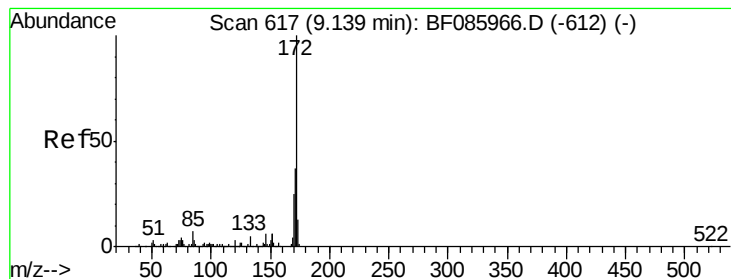
#41
 2,4,6-Tribromophenol
 Concen: 134.04 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085977.D
 Acq: 1 Apr 2016 22:43

Tgt Ion:330 Resp: 233106
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.2 117.2
 141 33.0 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: 83.70 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

Instrument :

BNA_F

ClientSampleId :

PB89314BL

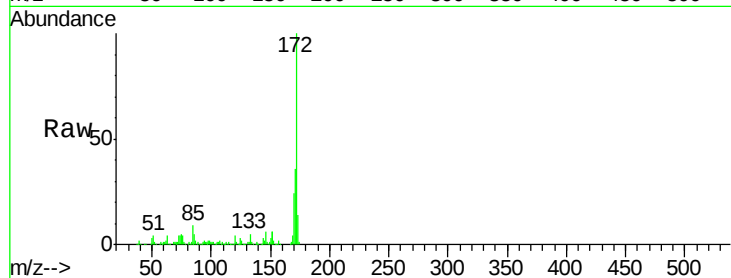
Tot Ion:172 Resp: 932680

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.2

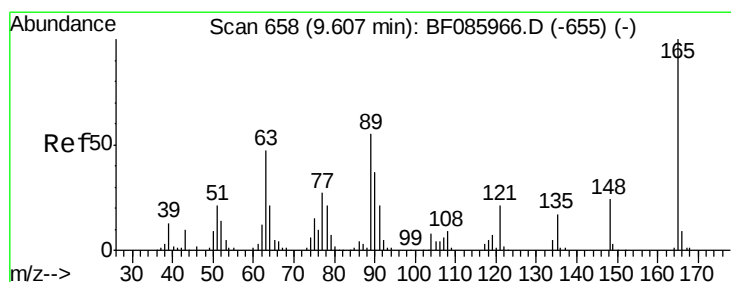
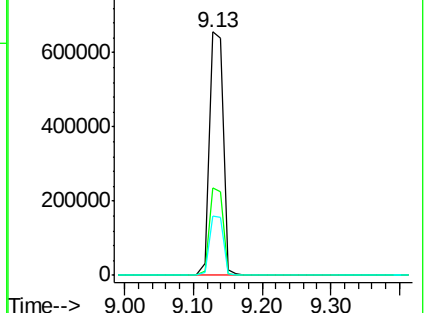
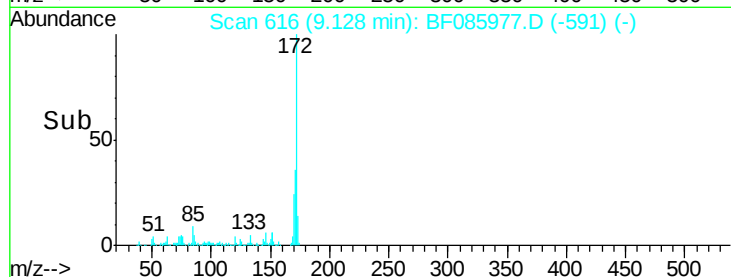
170 24.1 19.8 29.6



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: 8.05 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

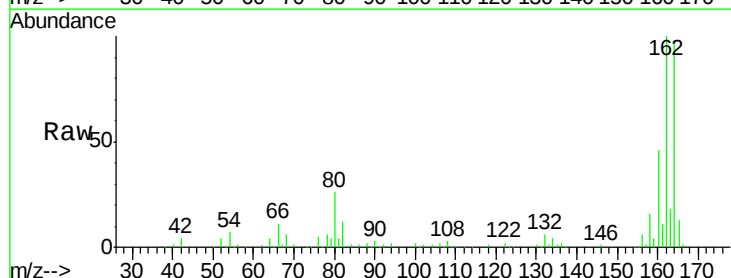
Tgt Ion:165 Resp: 23396

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.8#

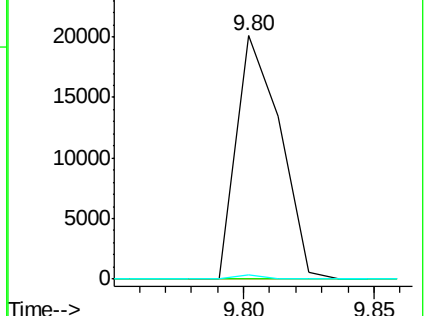
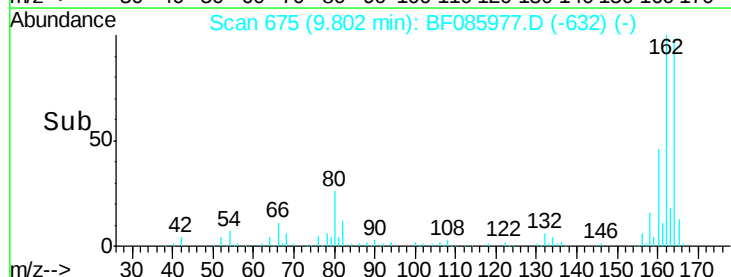
89 1.7 53.7 80.5#

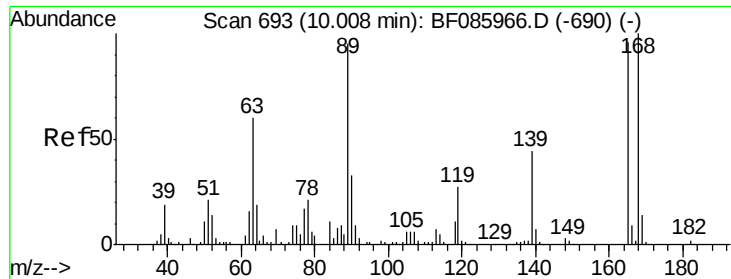


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.37 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

Instrument :

BNA_F

ClientSampleId :

PB89314BL

Tot Ion:165 Resp: 23397

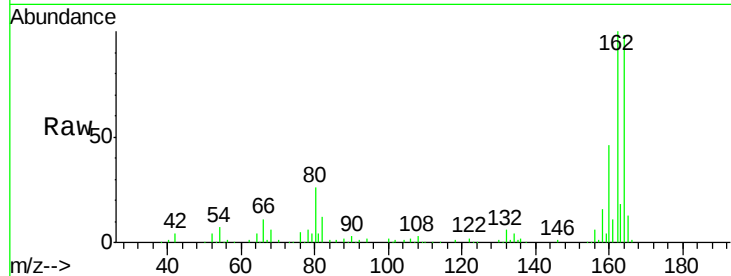
Ion Ratio Lower Upper

165 100

63 0.0 24.9 37.3#

89 1.7 41.0 61.6#

182 0.0 2.1 3.1#

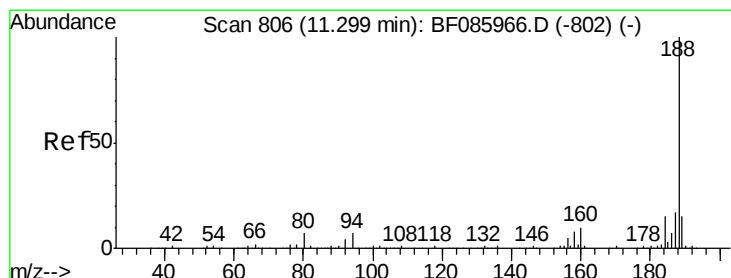
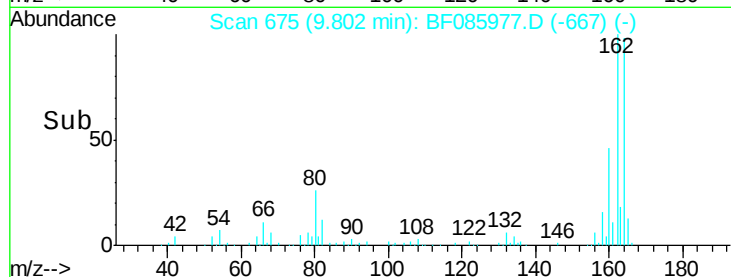
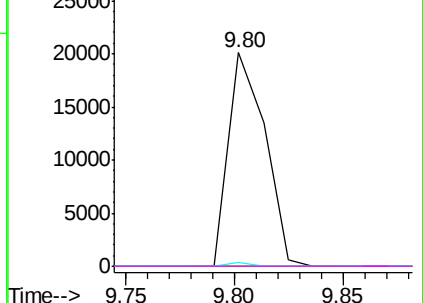


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF085977.D

Acq: 1 Apr 2016 22:43

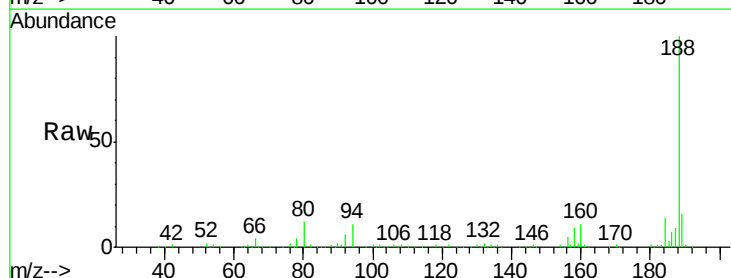
Tgt Ion:188 Resp: 390605

Ion Ratio Lower Upper

188 100

94 11.0 5.4 8.0#

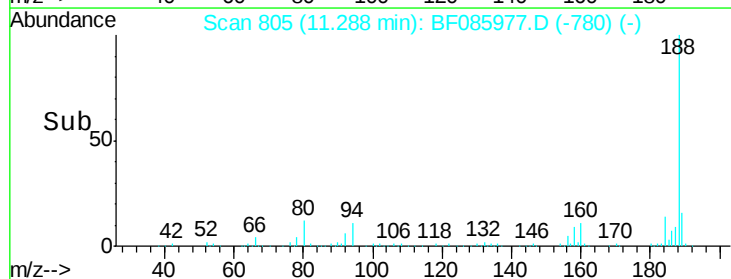
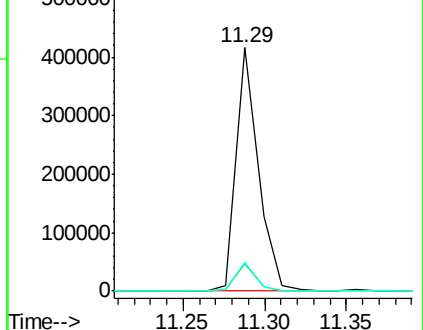
80 11.9 5.5 8.3#

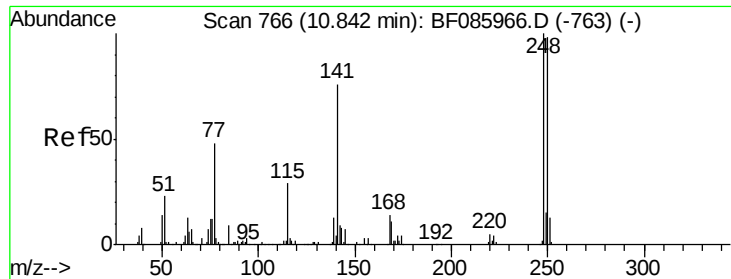


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

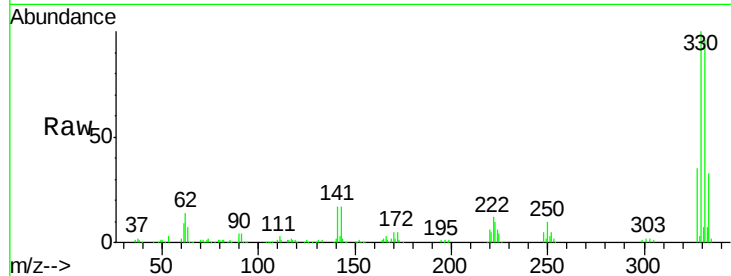




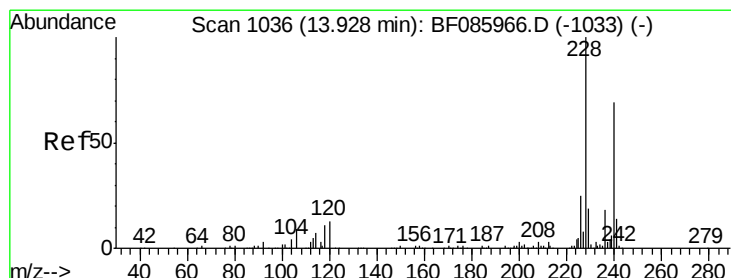
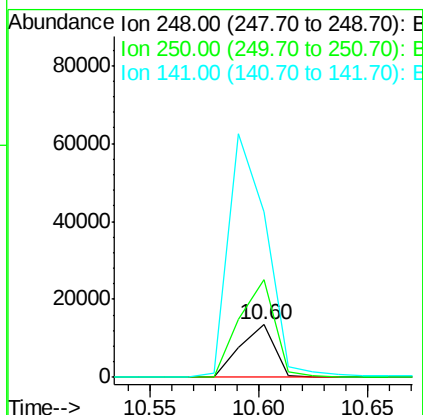
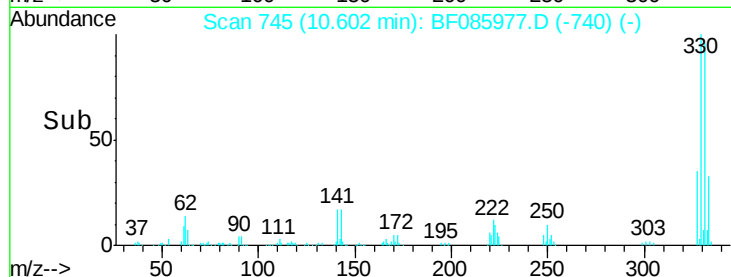
#66
4-Bromophenyl-phenylether
Concen: 3.70 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.24 min
Lab File: BF085977.D
Acq: 1 Apr 2016 22:43

Instrument :
BNA_F
ClientSampleId :
PB89314BL

Tot Ion:248 Resp: 14765
Ion Ratio Lower Upper
248 100
250 187.4 77.4 116.0#
141 317.7 63.6 95.4#

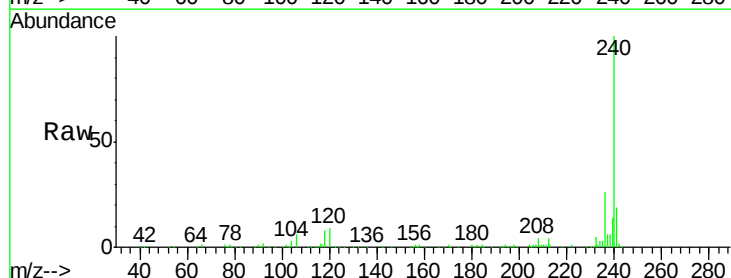


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

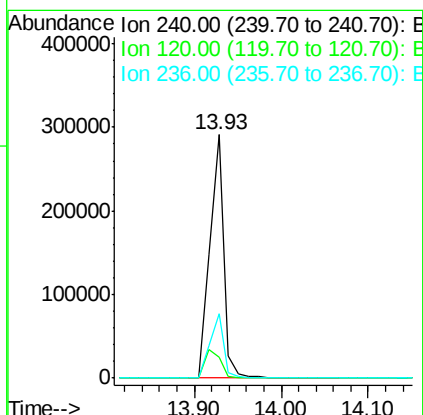
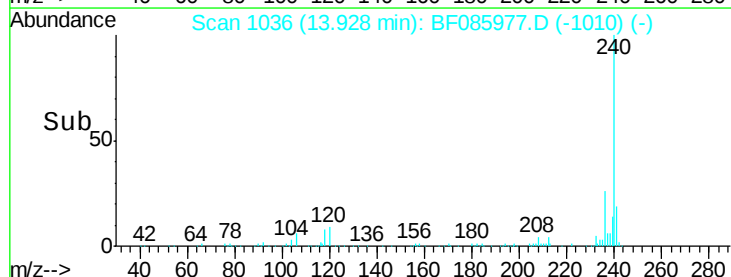


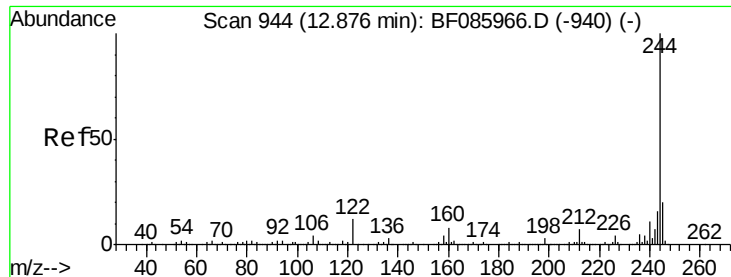
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF085977.D
Acq: 1 Apr 2016 22:43

Tgt Ion:240 Resp: 328084
Ion Ratio Lower Upper
240 100
120 8.8 13.8 20.8#
236 26.3 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: 73.39 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

Instrument :

BNA_F

ClientSampled :

PB89314BL

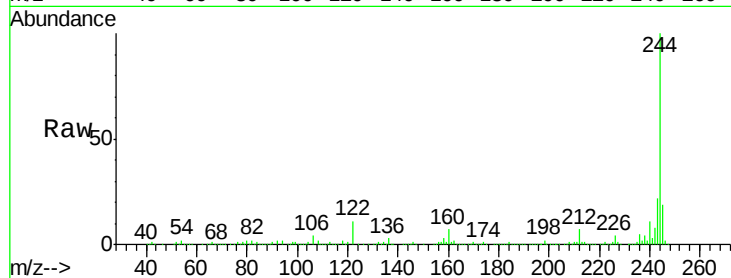
Tot Ion:244 Resp: 1024321

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

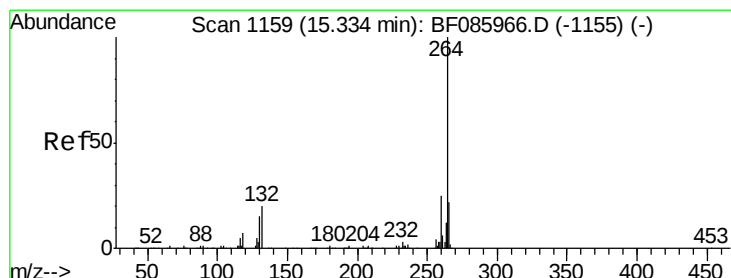
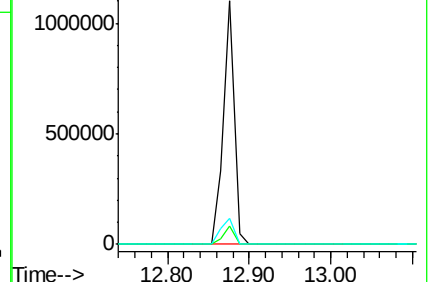
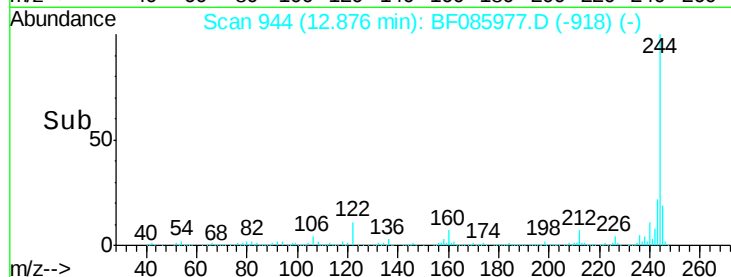
122 10.8 10.2 15.4



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: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF085977.D

Acq: 1 Apr 2016 22:43

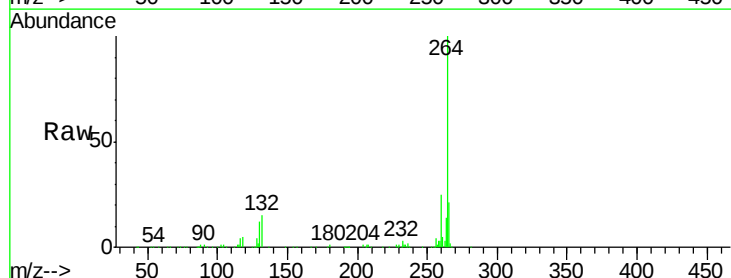
Tgt Ion:264 Resp: 289538

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 21.3 17.2 25.8



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

