

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085229.D
 Acq On : 5 Mar 2016 3:35
 Operator : SJ/IZ
 Sample : H1676-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)

Quant Time: Mar 05 04:33:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

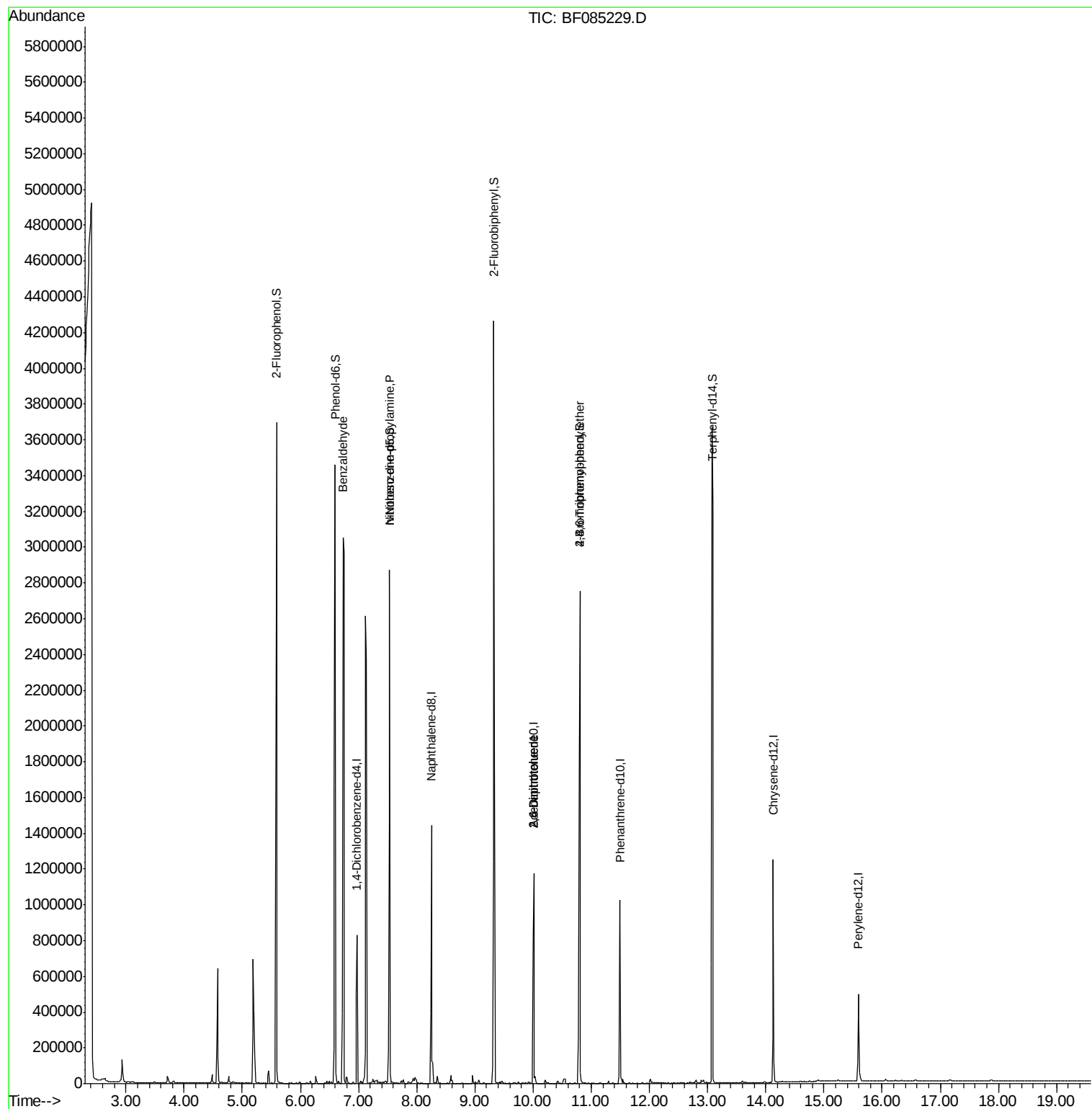
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	156008	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	657025	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	306666	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	564919	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	395414	20.00	ng	-0.02
86) Perylene-d12	15.59	264	242240	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1189157	127.86	ng	0.01
7) Phenol-d6	6.60	99	1369594	112.40	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1100669	89.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	436819	166.47	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1714820	85.04	ng	-0.02
78) Terphenyl-d14	13.09	244	1764198	103.57	ng	0.00
Target Compounds						
9) Benzaldehyde	6.73	77	28911	2.21	ng	Qvalue 82
19) n-Nitroso-di-n-propylamine	7.53	70	147642	18.59	ng	# 78
50) 2,6-Dinitrotoluene	10.01	165	38523	7.65	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	38516	5.98	ng	# 22
66) 4-Bromophenyl-phenylether	10.80	248	30743	5.60	ng	# 1

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

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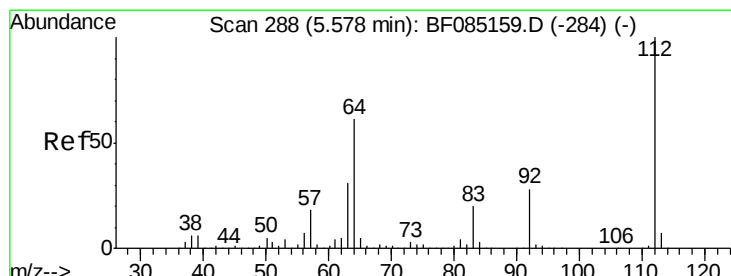
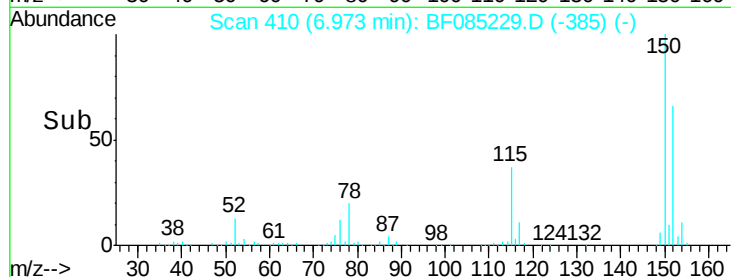
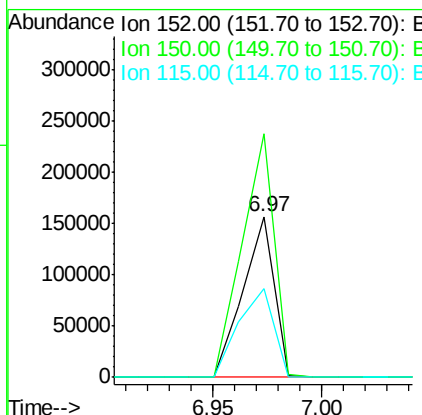
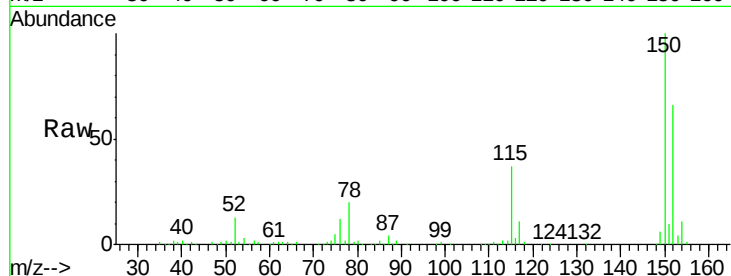




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF085229.D
 Acq: 5 Mar 2016 3:35

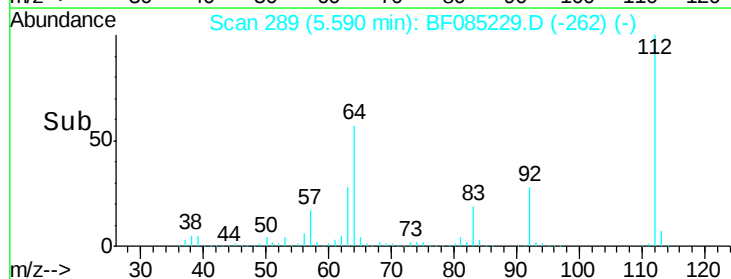
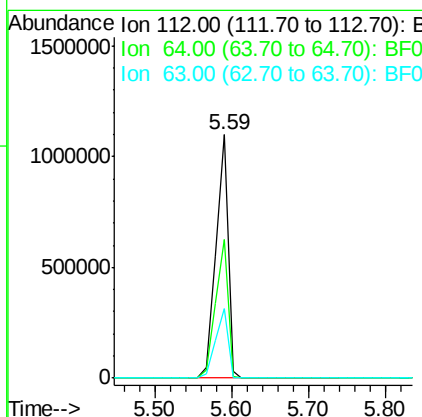
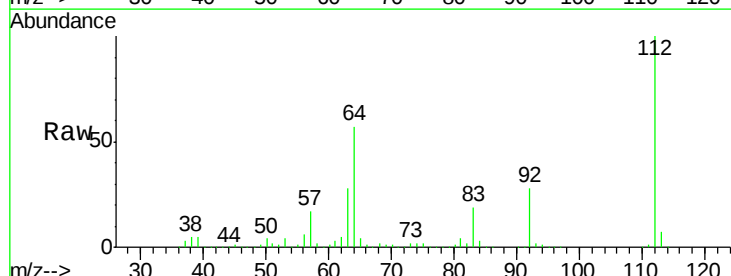
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)

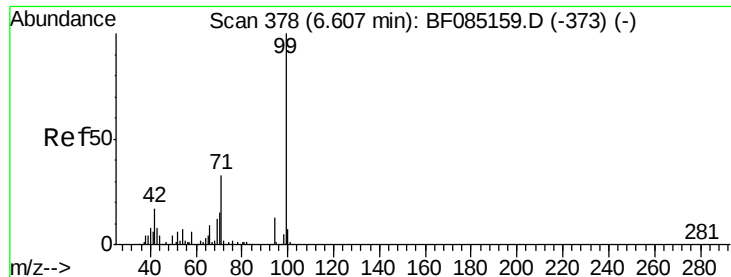
Tgt Ion:152 Resp: 156008
 Ion Ratio Lower Upper
 152 100
 150 151.2 124.6 186.8
 115 55.2 46.6 70.0



#5
 2-Fluorophenol
 Concen: 127.86 ng
 RT: 5.59 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: BF085229.D
 Acq: 5 Mar 2016 3:35

Tgt Ion:112 Resp: 1189157
 Ion Ratio Lower Upper
 112 100
 64 56.7 49.0 73.4
 63 28.4 24.8 37.2





#7

Phenol-d6

Concen: 112.40 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)

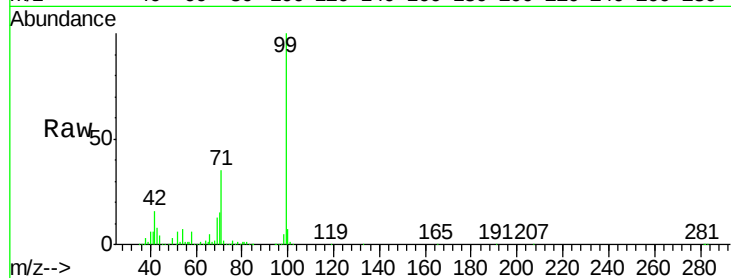
Tgt Ion: 99 Resp: 1369594

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

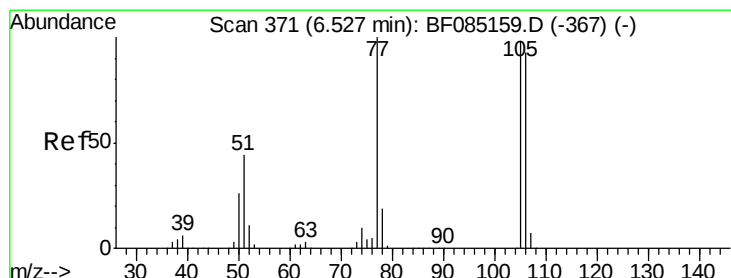
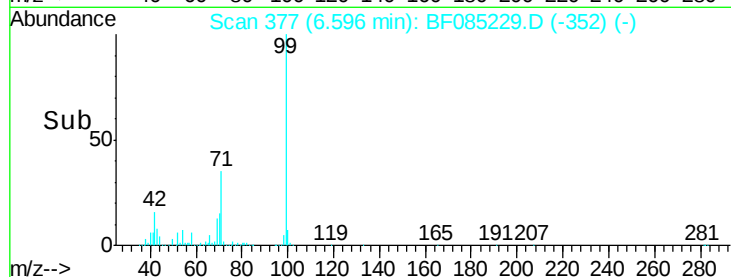
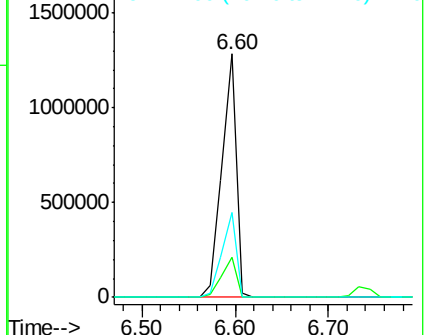
71 34.8 26.7 40.1



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: 2.21 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

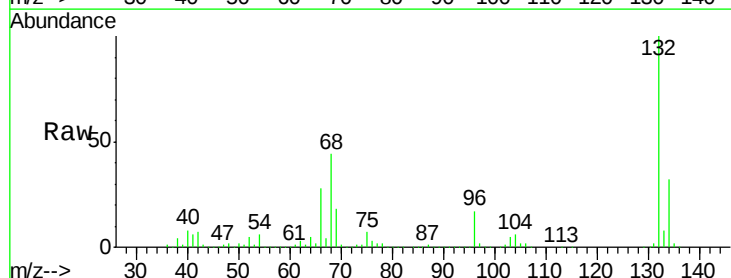
Tgt Ion: 77 Resp: 28911

Ion Ratio Lower Upper

77 100

105 79.8 78.2 118.2

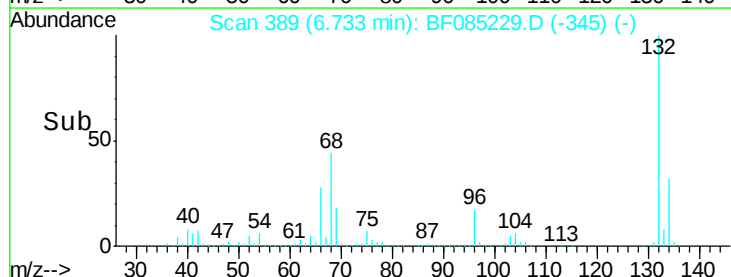
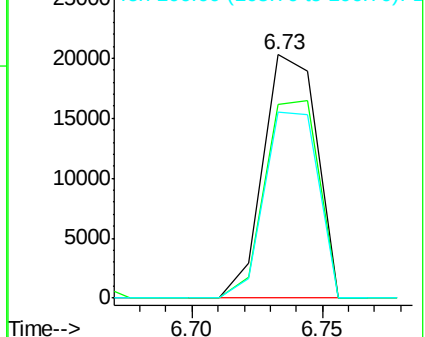
106 76.3 72.9 112.9

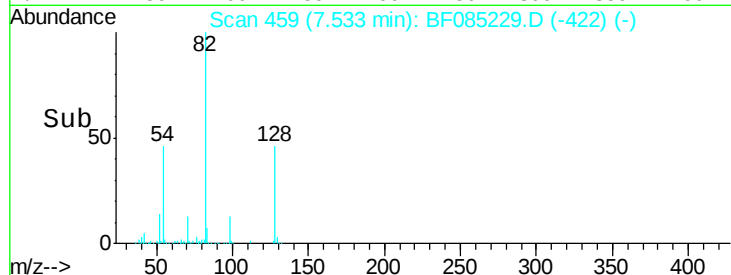
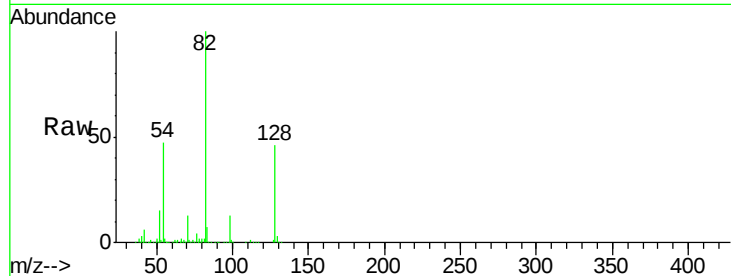


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

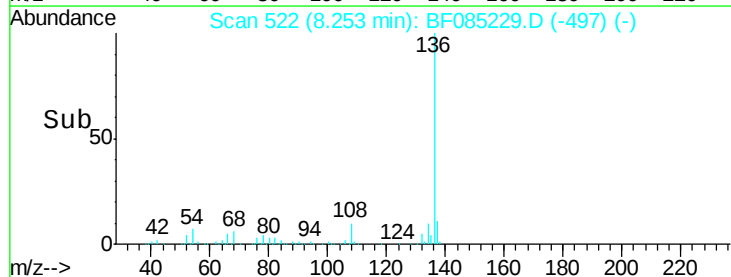
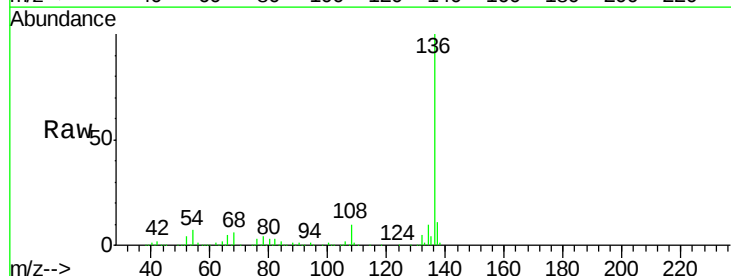
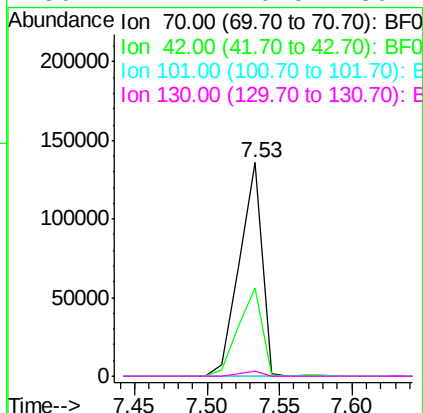




#19
n-Nitroso-di-n-propylamine
Concen: 18.59 ng
RT: 7.53 min Scan# 459
Delta R.T. 0.13 min
Lab File: BF085229.D
Acq: 5 Mar 2016 3:35

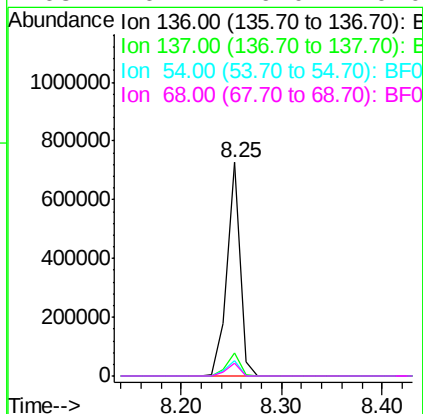
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

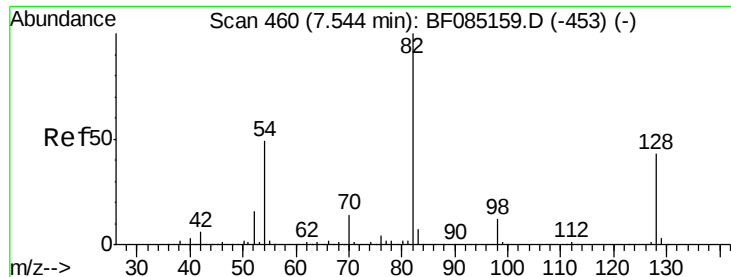
Tgt Ion: 70 Resp: 147642
Ion Ratio Lower Upper
70 100
42 41.7 37.7 56.5
101 0.0 8.2 12.4#
130 2.1 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085229.D
Acq: 5 Mar 2016 3:35

Tgt Ion: 136 Resp: 657025
Ion Ratio Lower Upper
136 100
137 11.1 9.3 13.9
54 7.2 7.4 11.2#
68 6.1 6.0 9.0





#23

Nitrobenzene-d5

Concen: 89.64 ng

RT: 7.53 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

Instrument :

BNA_F

ClientSampled :

SP-004(0-2)

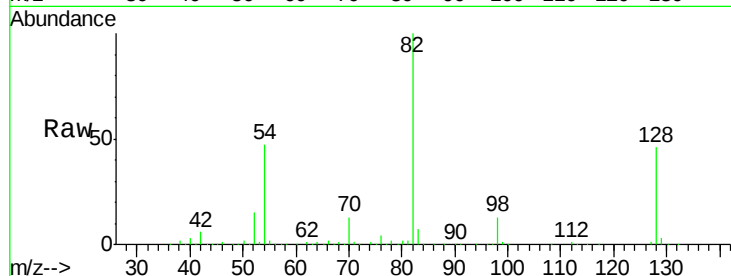
Tgt Ion: 82 Resp: 1100669

Ion Ratio Lower Upper

82 100

128 45.9 34.5 51.7

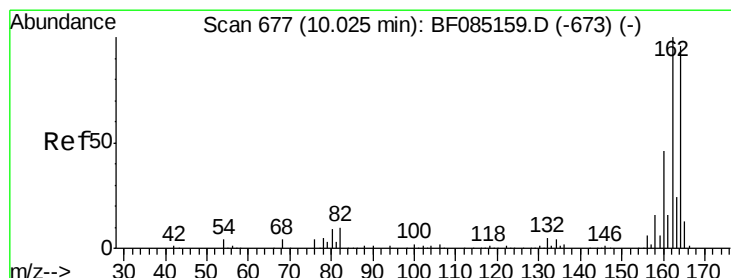
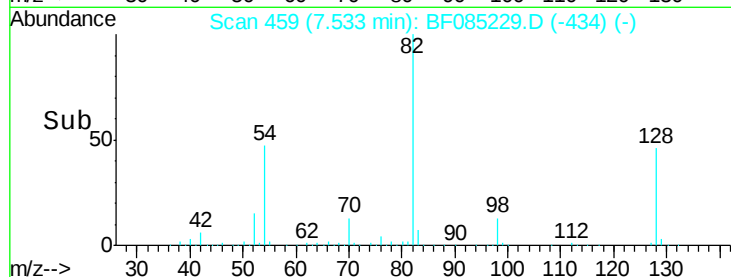
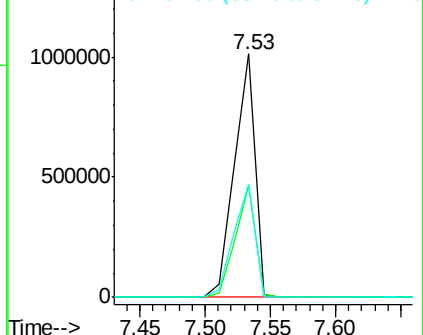
54 46.7 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

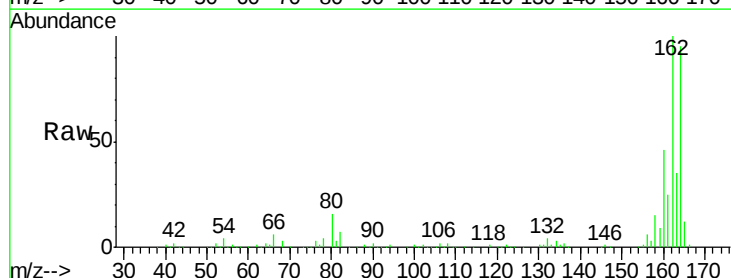
Tgt Ion: 164 Resp: 306666

Ion Ratio Lower Upper

164 100

162 105.6 83.3 124.9

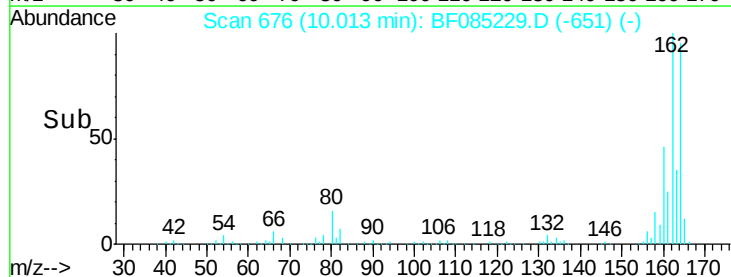
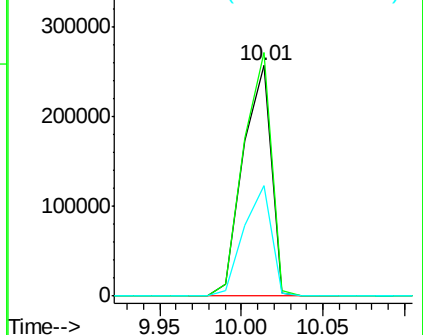
160 48.2 37.9 56.9

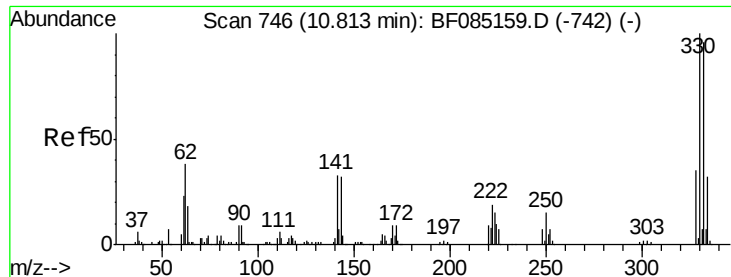


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

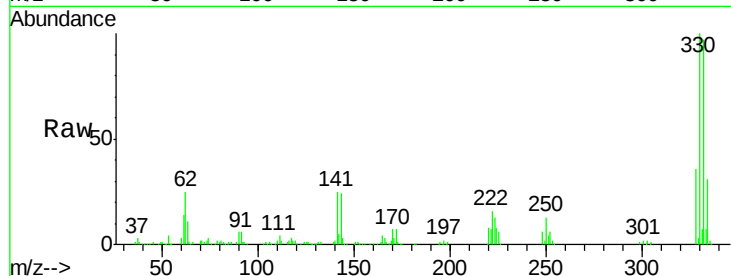




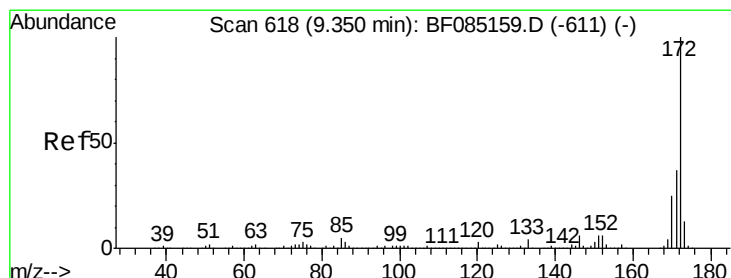
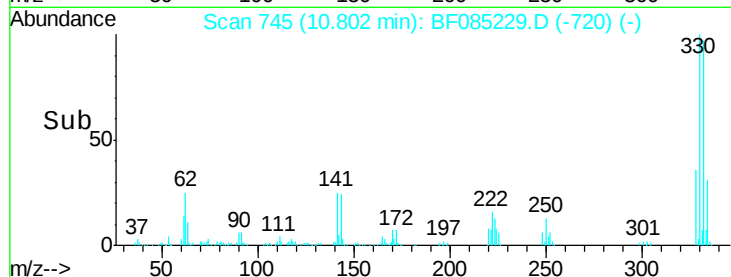
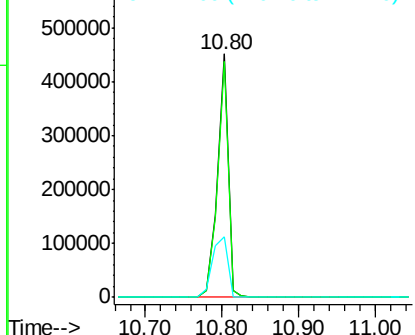
#41
 2,4,6-Tribromophenol
 Concen: 166.47 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085229.D
 Acq: 5 Mar 2016 3:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)

Tgt Ion:330 Resp: 436819
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.1 115.7
 141 35.9 35.0 52.6

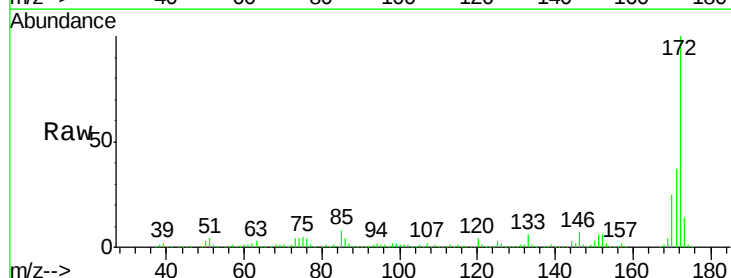


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

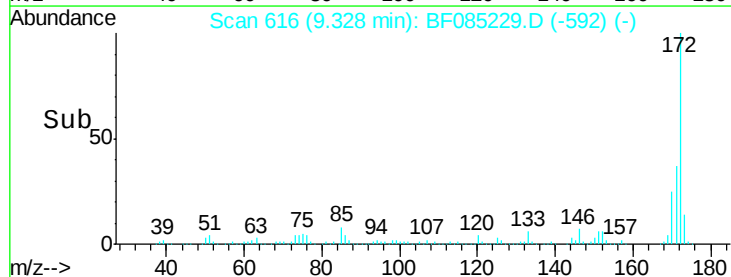
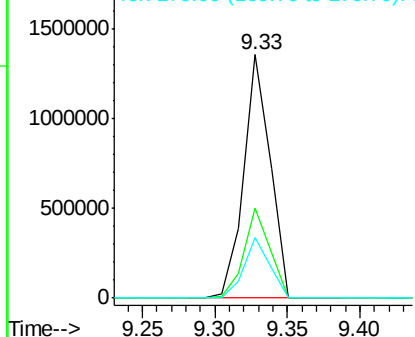


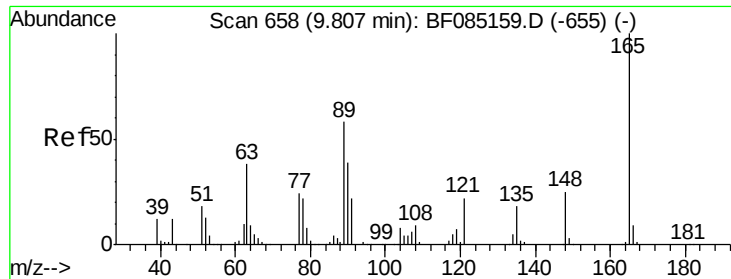
#44
 2-Fluorobiphenyl
 Concen: 85.04 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085229.D
 Acq: 5 Mar 2016 3:35

Tgt Ion:172 Resp: 1714820
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.3 43.9
 170 24.9 20.0 30.0



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

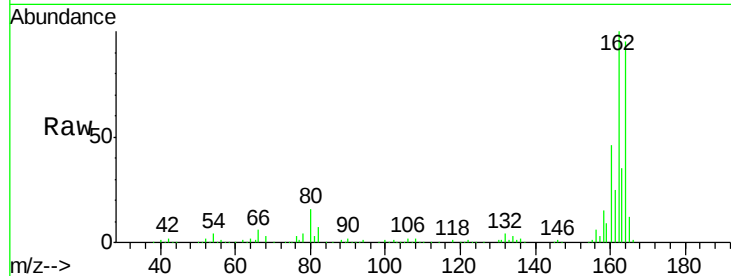




#50
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 10.01 min Scan# 676
Delta R.T. 0.21 min
Lab File: BF085229.D
Acq: 5 Mar 2016 3:35

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

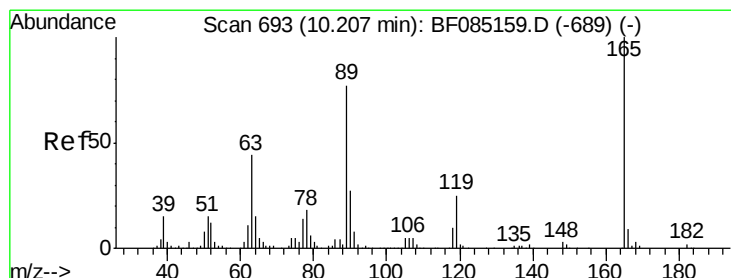
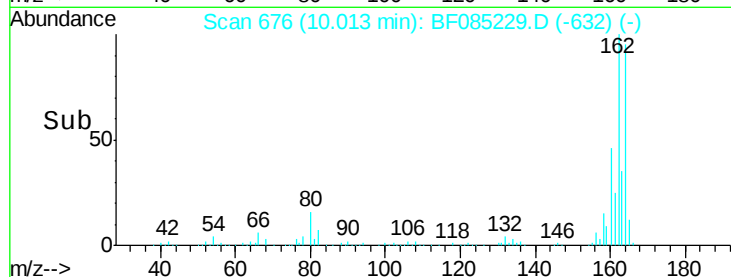
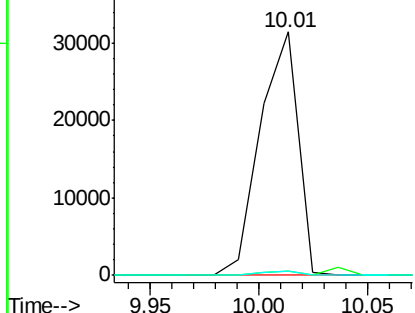
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.8	62.8#
89	1.8	46.7	70.1#



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: 5.98 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.19 min
Lab File: BF085229.D
Acq: 5 Mar 2016 3:35

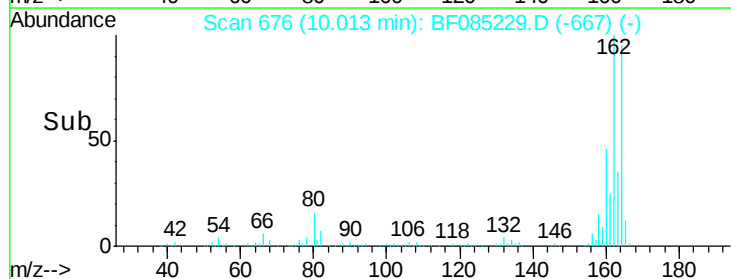
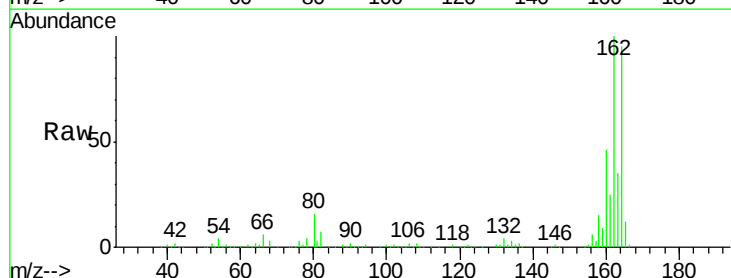
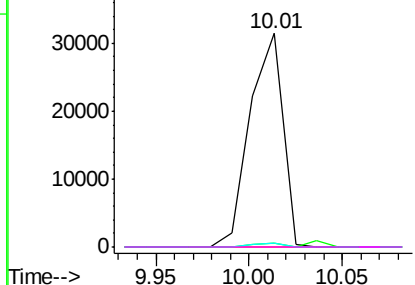
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.4	53.0#
89	1.8	61.9	92.9#
182	0.0	1.9	2.9#

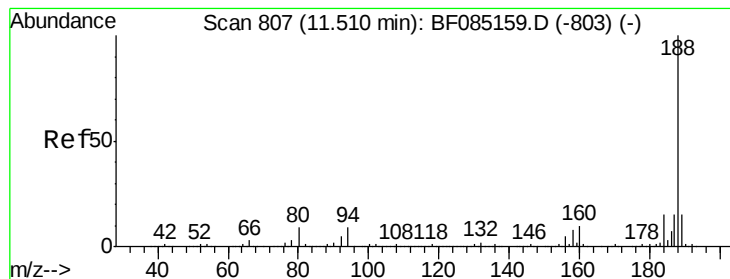
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

Instrument :

BNA_F

ClientSampled :

SP-004(0-2)

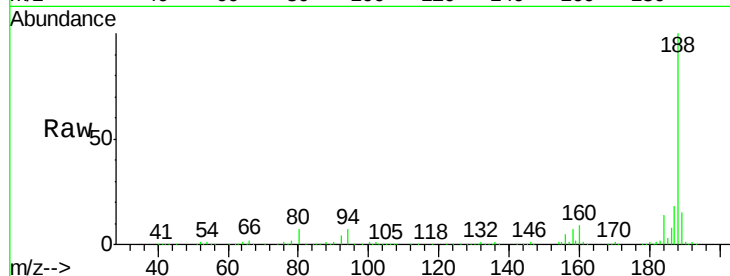
Tgt Ion:188 Resp: 564919

Ion Ratio Lower Upper

188 100

94 6.7 7.0 10.6#

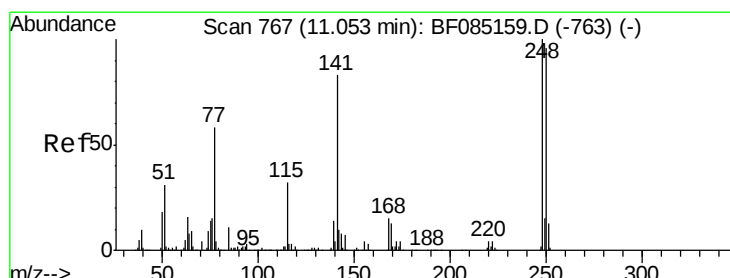
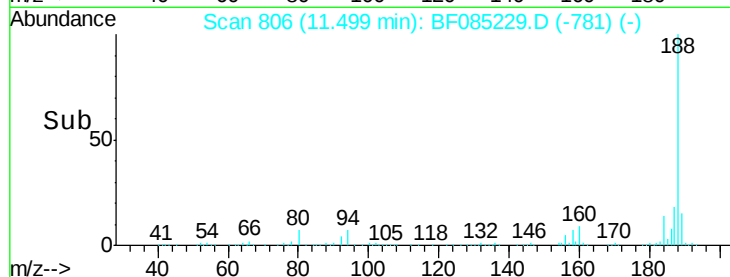
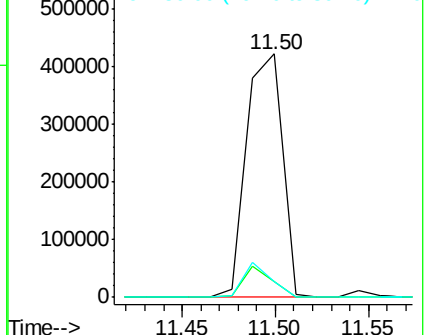
80 6.6 7.4 11.0#



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: 5.60 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

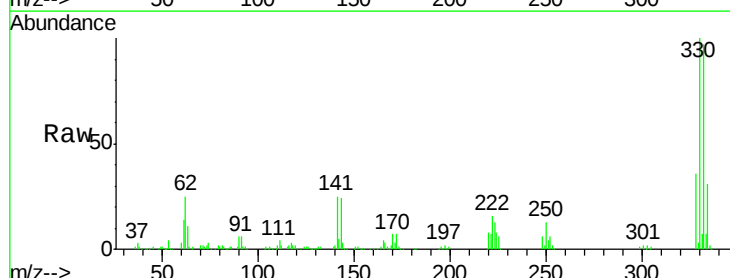
Tgt Ion:248 Resp: 30743

Ion Ratio Lower Upper

248 100

250 204.3 77.1 115.7#

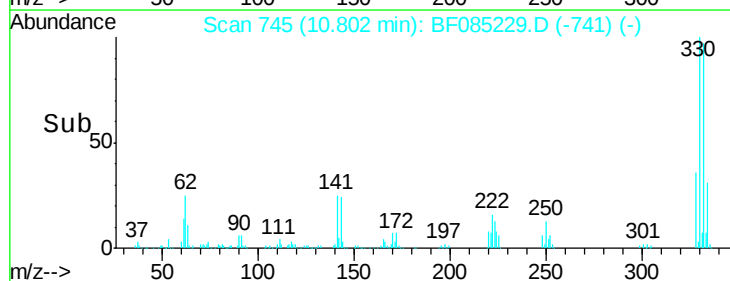
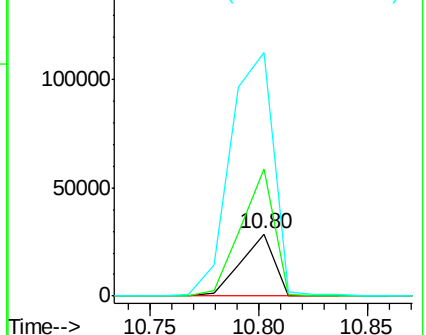
141 390.9 66.2 99.2#

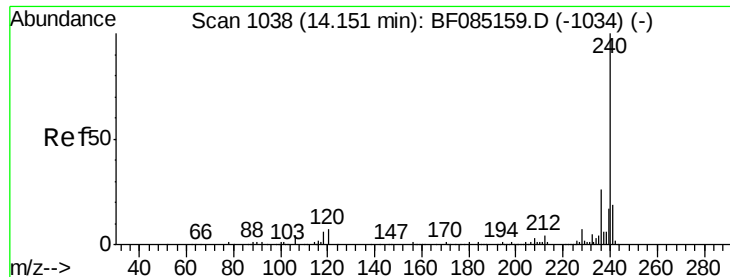


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)

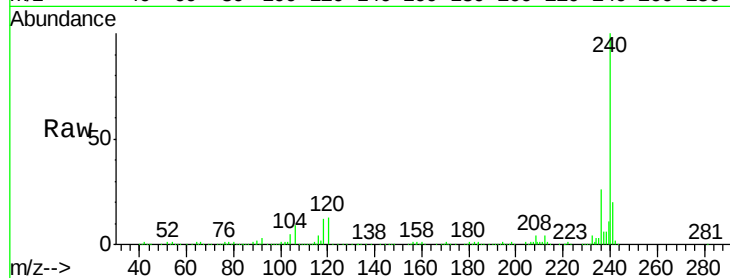
Tgt Ion:240 Resp: 395414

Ion Ratio Lower Upper

240 100

120 12.9 5.3 7.9#

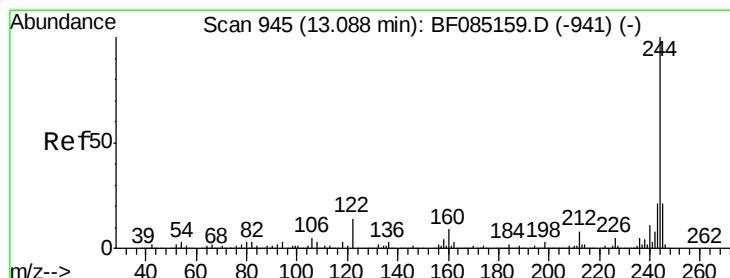
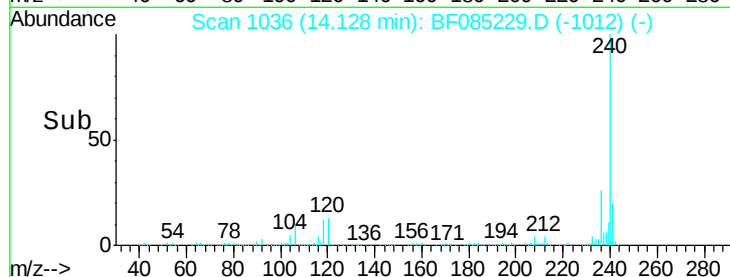
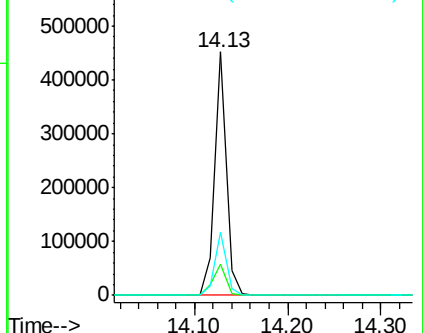
236 26.1 20.7 31.1



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: 103.57 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085229.D

Acq: 5 Mar 2016 3:35

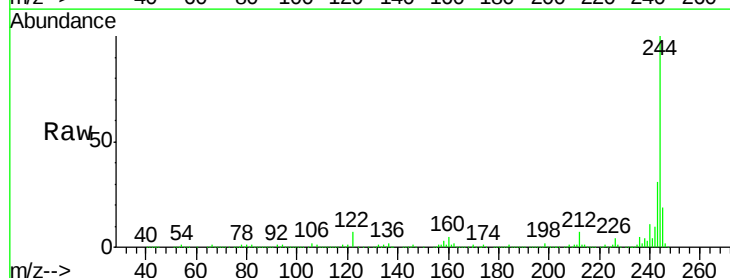
Tgt Ion:244 Resp: 1764198

Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

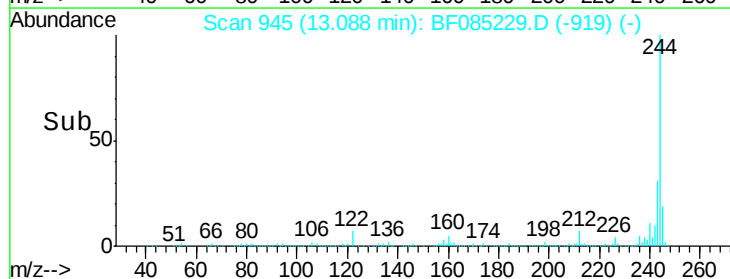
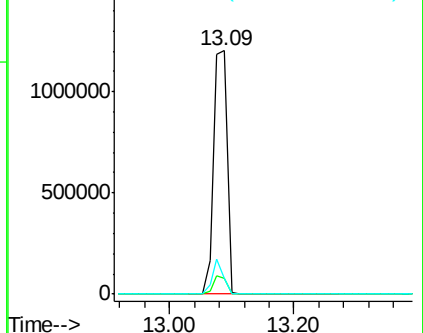
122 6.5 11.4 17.2#

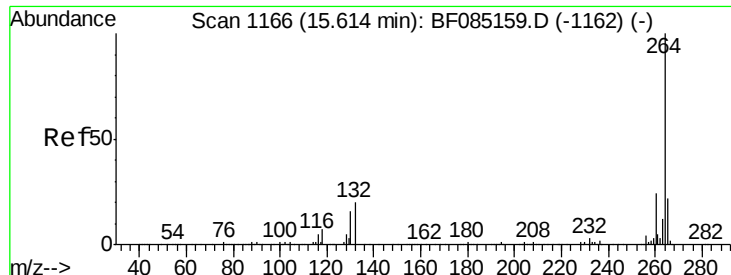


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

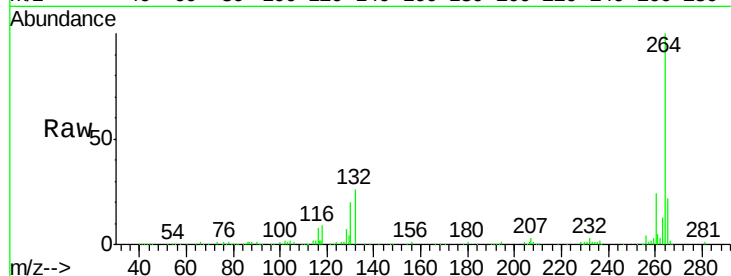




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085229.D
Acq: 5 Mar 2016 3:35

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)

Tgt Ion: 264 Resp: 242240
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.6 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

