

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085224.D
 Acq On : 5 Mar 2016 1:16
 Operator : SJ/IZ
 Sample : H1676-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)

Quant Time: Mar 05 02:27:27 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

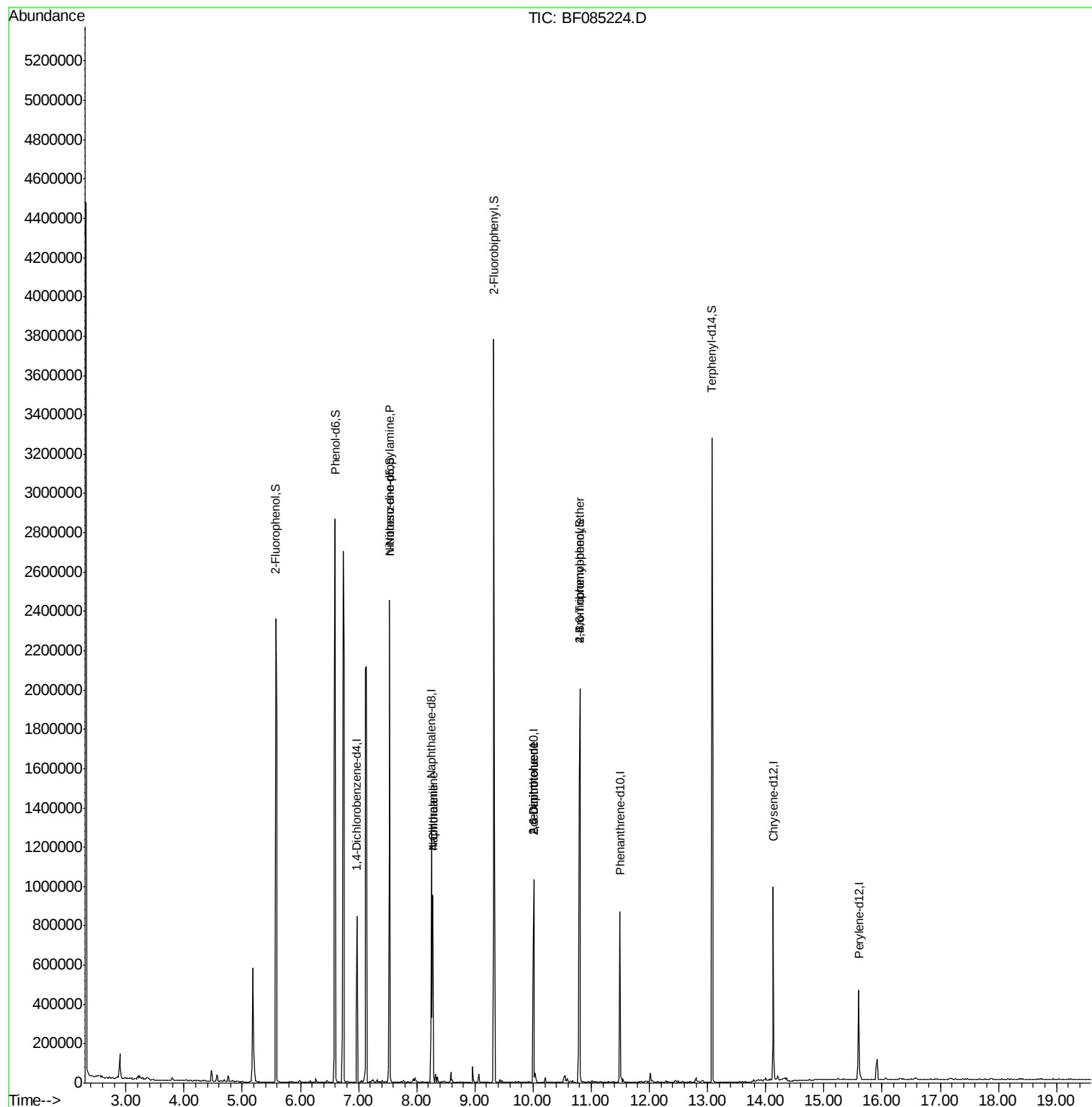
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140389	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	564656	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	261032	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	474455	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	311295	20.00	ng	-0.02
86) Perylene-d12	15.60	264	241508	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	985696	117.77	ng	0.00
7) Phenol-d6	6.60	99	1200168	109.45	ng	-0.01
23) Nitrobenzene-d5	7.53	82	903864	85.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	342826	153.49	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1375231	80.12	ng	-0.02
78) Terphenyl-d14	13.08	244	1247601	93.04	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.60	77	1502	Below Cal	#	2
19) n-Nitroso-di-n-propylamine	7.53	70	121492	17.00 ng	#	77
31) Naphthalene	8.28	128	420673	15.15 ng	#	97
33) 4-Chloroaniline	8.28	127	54563	4.86 ng	#	33
50) 2,6-Dinitrotoluene	10.01	165	32181	7.51 ng	#	26
56) 2,4-Dinitrotoluene	10.01	165	32182	5.87 ng	#	22
66) 4-Bromophenyl-phenylether	10.80	248	23306	5.06 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: BF085224.D

Acq: 5 Mar 2016 1:16

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

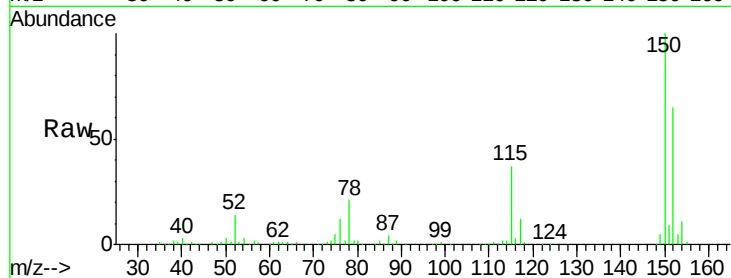
Tgt Ion:152 Resp: 140389

Ion Ratio Lower Upper

152 100

150 153.9 124.6 186.8

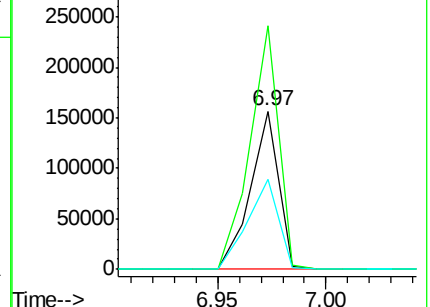
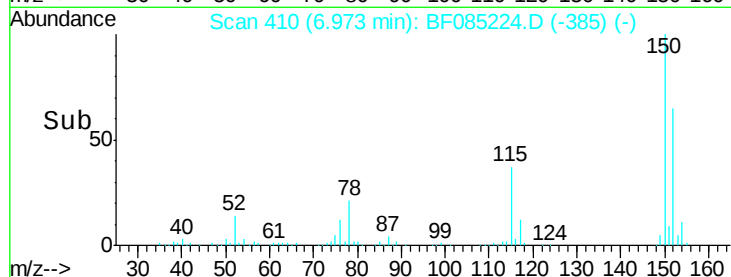
115 57.0 46.6 70.0



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: 117.77 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

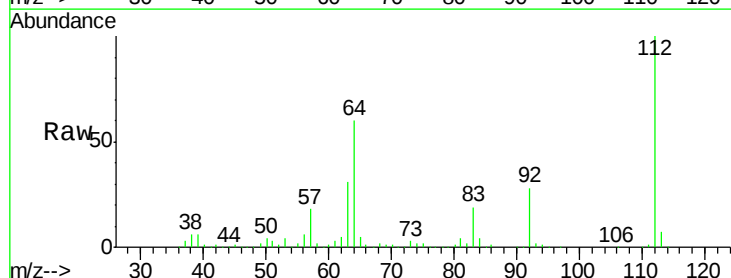
Tgt Ion:112 Resp: 985696

Ion Ratio Lower Upper

112 100

64 60.4 49.0 73.4

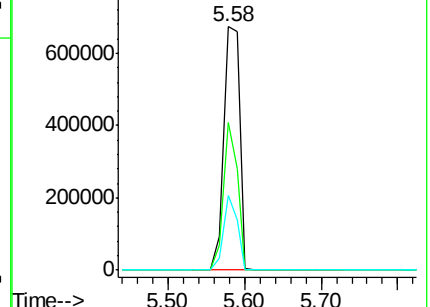
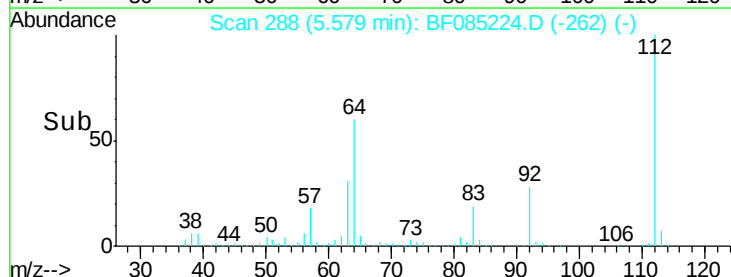
63 30.6 24.8 37.2

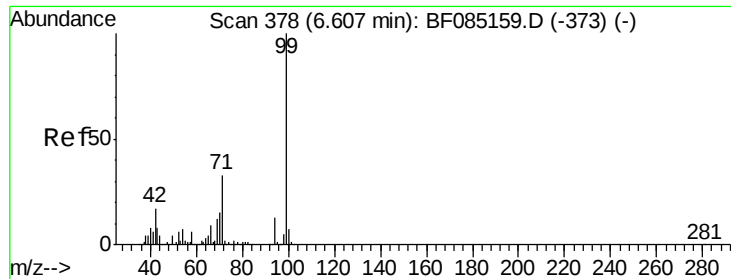


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.45 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

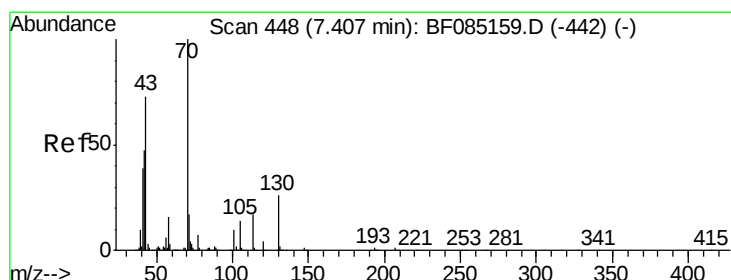
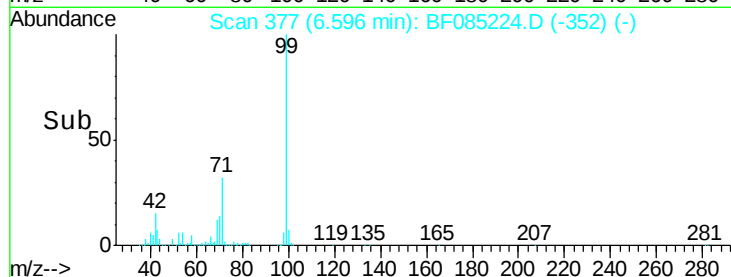
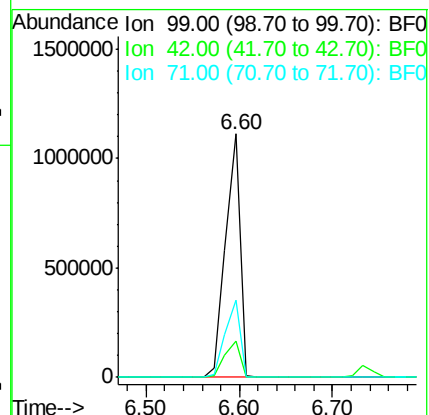
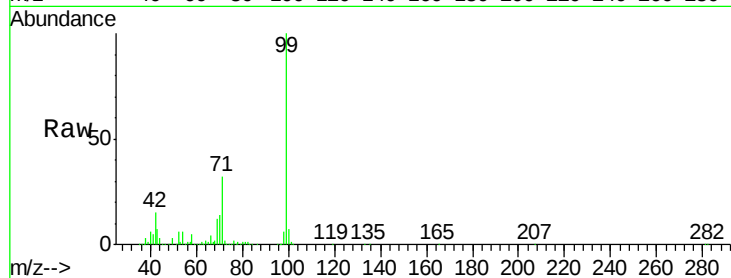
Tgt Ion: 99 Resp: 1200168

Ion Ratio Lower Upper

99 100

42 14.7 13.6 20.4

71 31.9 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 17.00 ng

RT: 7.53 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Tgt Ion: 70 Resp: 121492

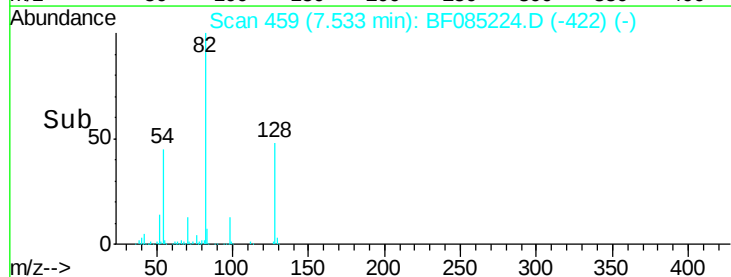
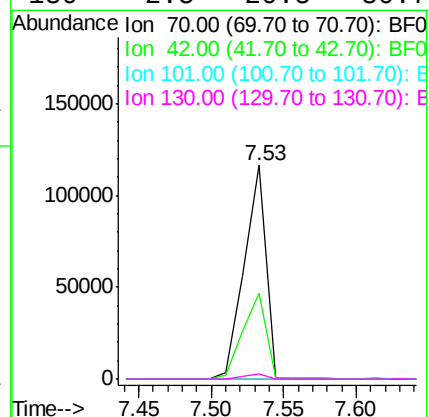
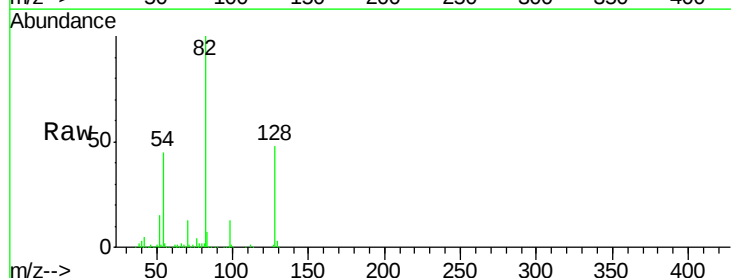
Ion Ratio Lower Upper

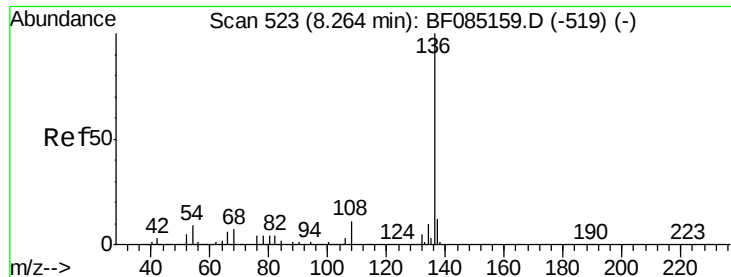
70 100

42 40.3 37.7 56.5

101 0.0 8.2 12.4#

130 2.5 20.5 30.7#

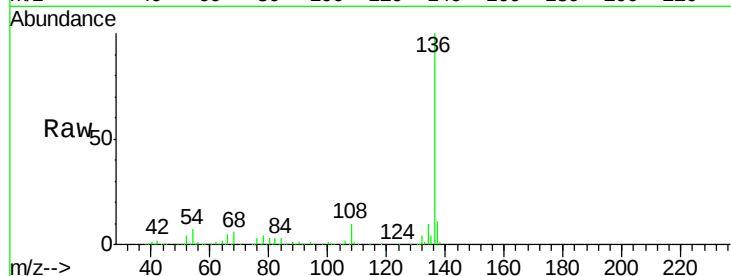




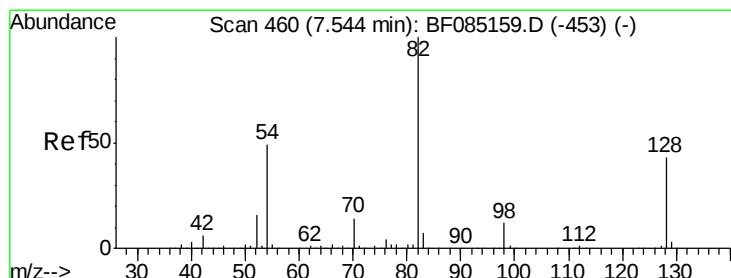
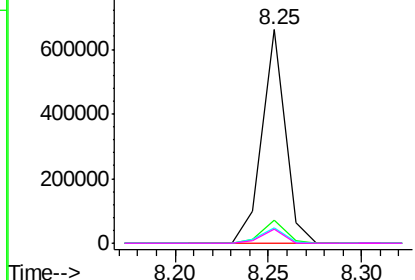
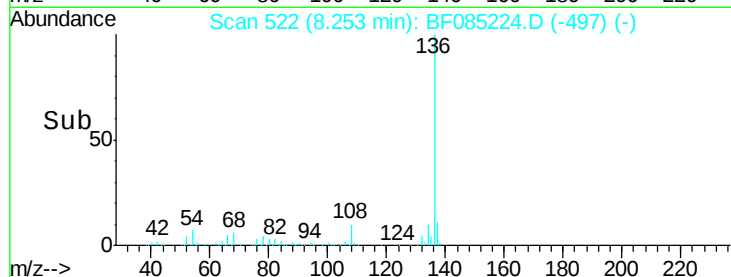
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085224.D
Acq: 5 Mar 2016 1:16

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tgt Ion:	136	Resp:	564656
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	7.4	7.4	11.2
68	6.4	6.0	9.0

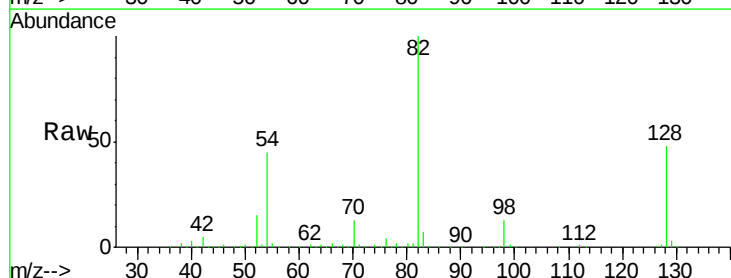


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

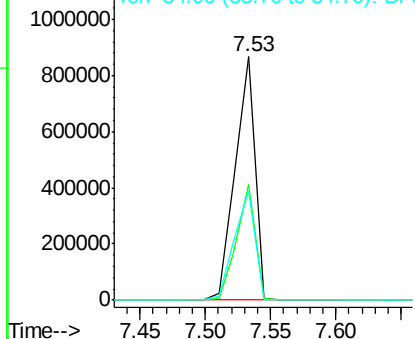
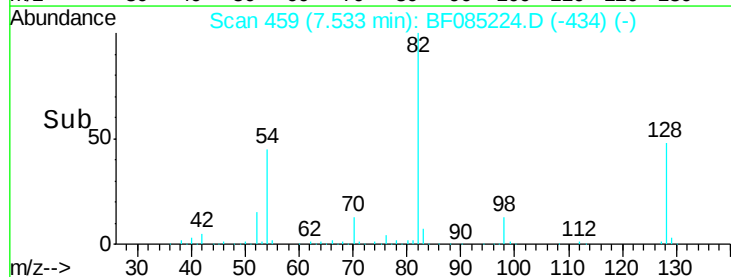


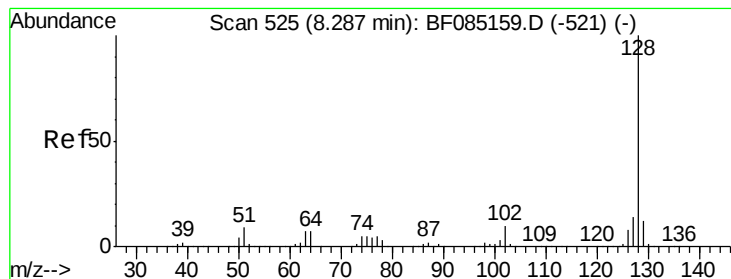
#23
Nitrobenzene-d5
Concen: 85.66 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085224.D
Acq: 5 Mar 2016 1:16

Tgt Ion:	82	Resp:	903864
Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.5	51.7
54	44.9	39.3	58.9



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





#31

Naphthalene

Concen: 15.15 ng

RT: 8.28 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

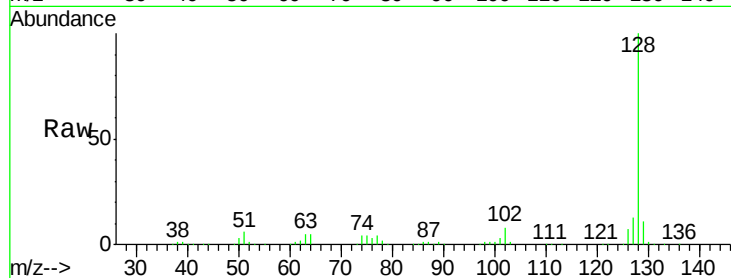
Tgt Ion:128 Resp: 420673

Ion Ratio Lower Upper

128 100

129 10.8 9.7 14.5

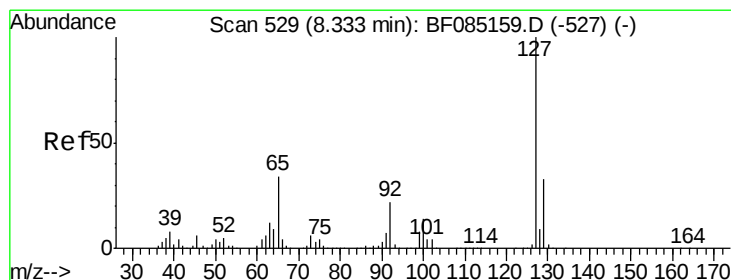
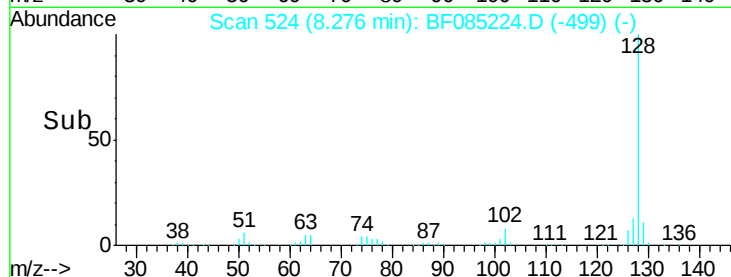
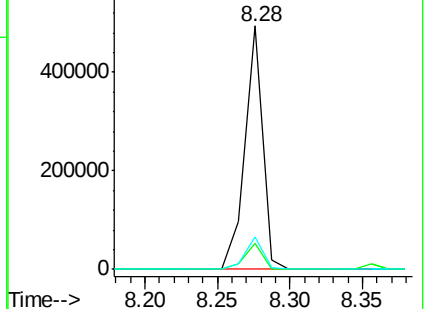
127 13.1 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 4.86 ng

RT: 8.28 min Scan# 524

Delta R.T. -0.06 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Tgt Ion:127 Resp: 54563

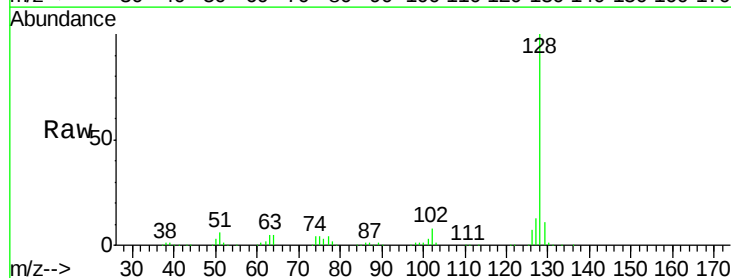
Ion Ratio Lower Upper

127 100

129 82.6 26.1 39.1#

65 0.0 27.0 40.6#

92 0.0 17.4 26.0#

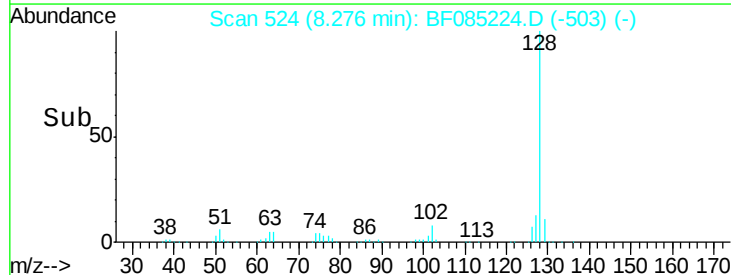
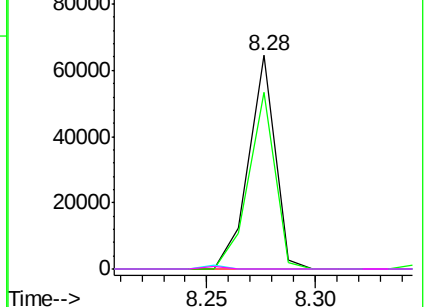


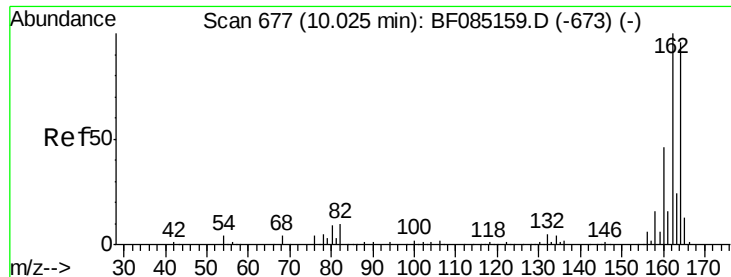
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

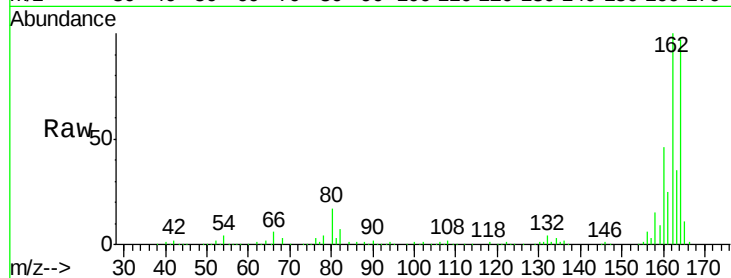
Tgt Ion:164 Resp: 261032

Ion Ratio Lower Upper

164 100

162 103.3 83.3 124.9

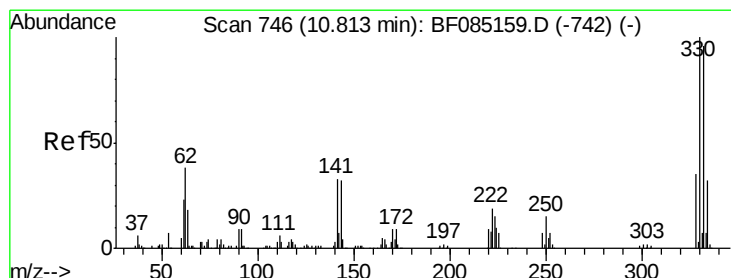
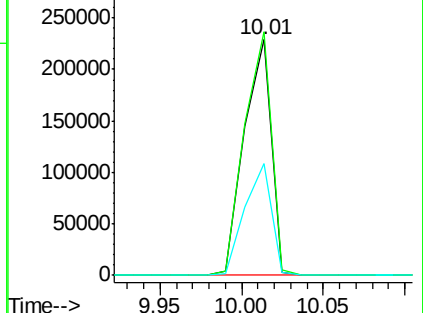
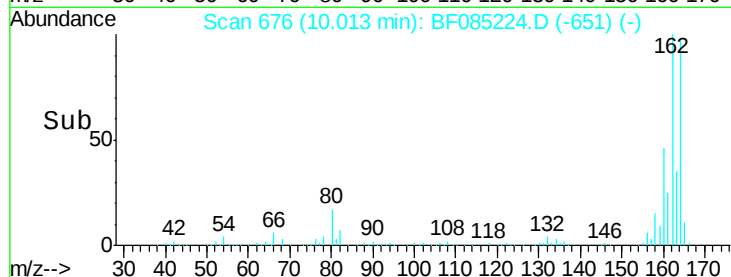
160 47.2 37.9 56.9



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: 153.49 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

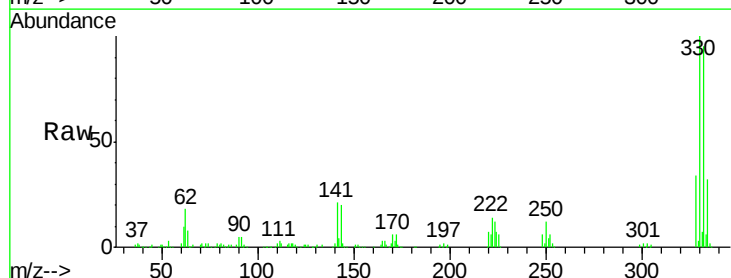
Tgt Ion:330 Resp: 342826

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

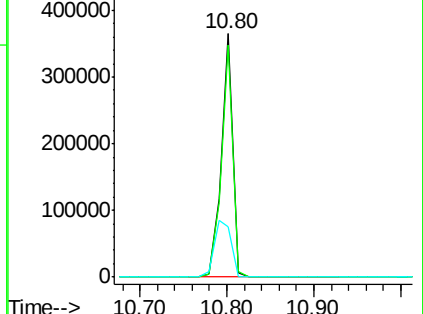
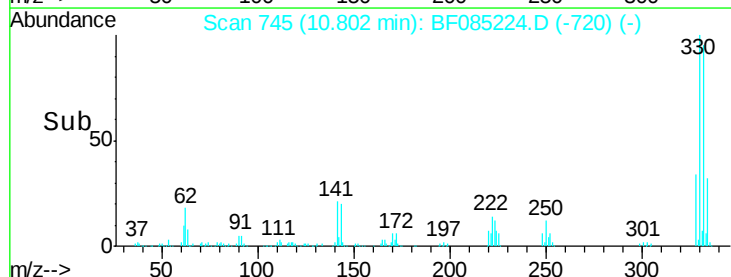
141 34.2 35.0 52.6#

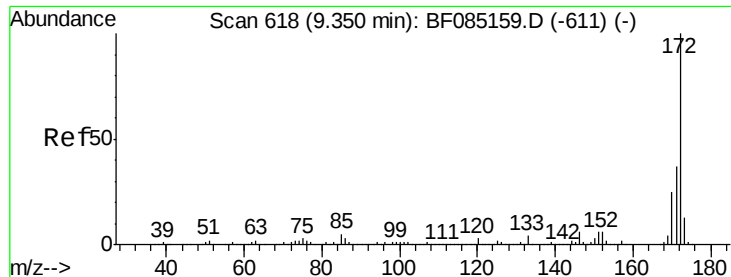


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

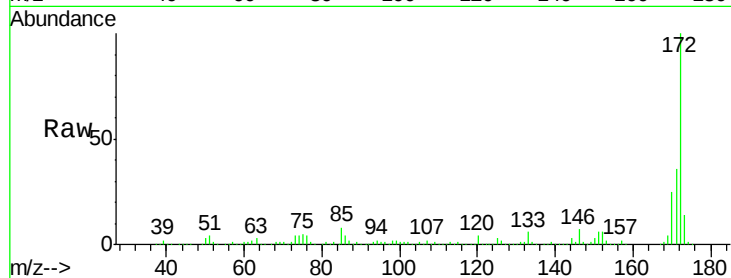




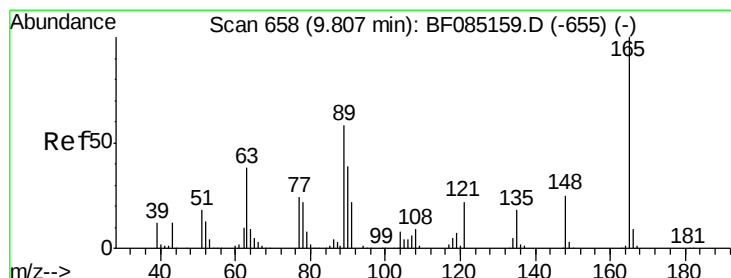
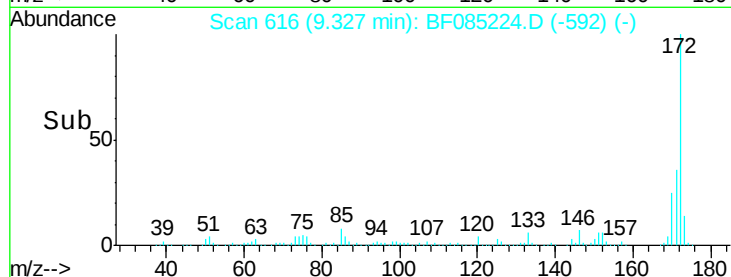
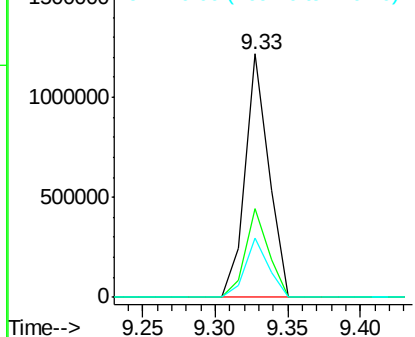
#44
 2-Fluorobiphenyl
 Concen: 80.12 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085224.D
 Acq: 5 Mar 2016 1:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)

Tgt Ion:172 Resp: 1375231
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.5 20.0 30.0

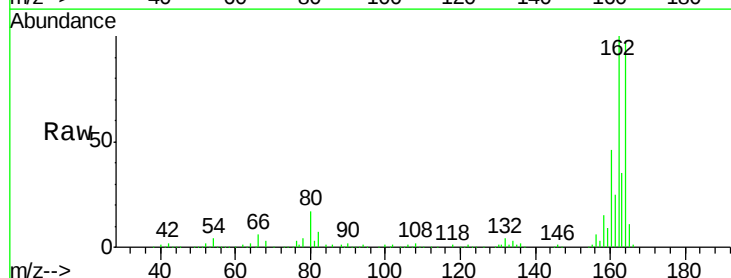


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

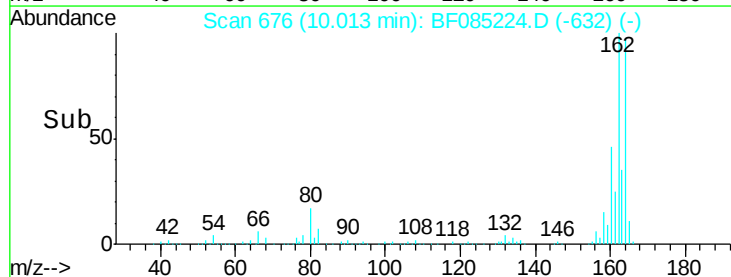
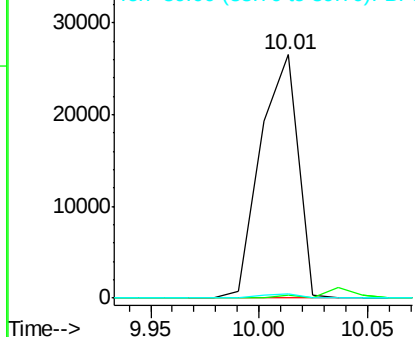


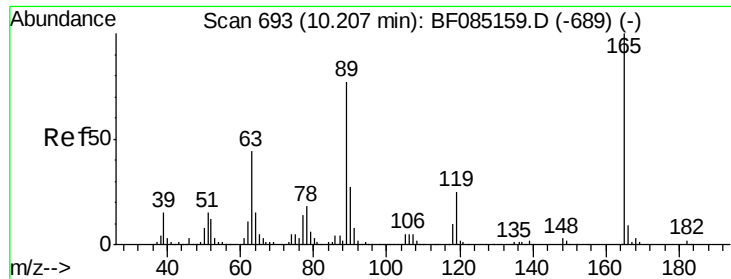
#50
 2,6-Dinitrotoluene
 Concen: 7.51 ng
 RT: 10.01 min Scan# 676
 Delta R.T. 0.21 min
 Lab File: BF085224.D
 Acq: 5 Mar 2016 1:16

Tgt Ion:165 Resp: 32181
 Ion Ratio Lower Upper
 165 100
 63 1.2 41.8 62.8#
 89 2.0 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

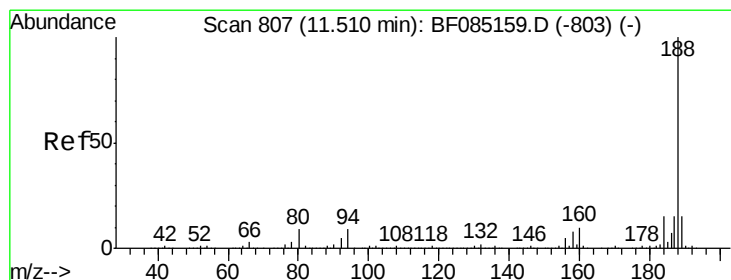
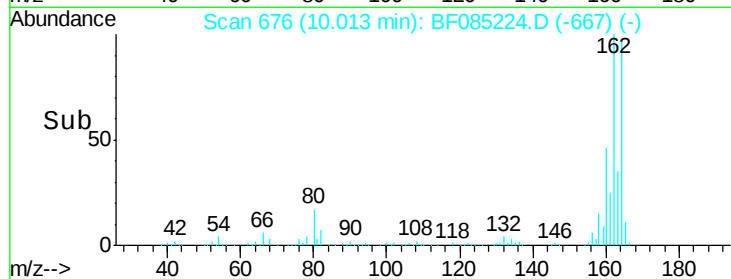
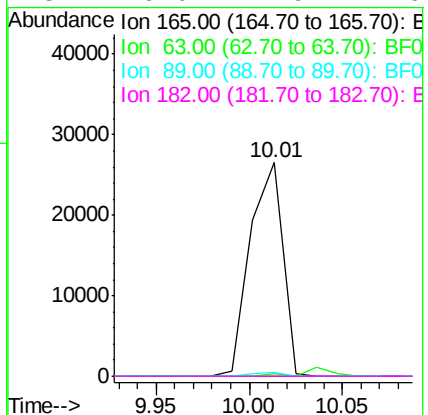
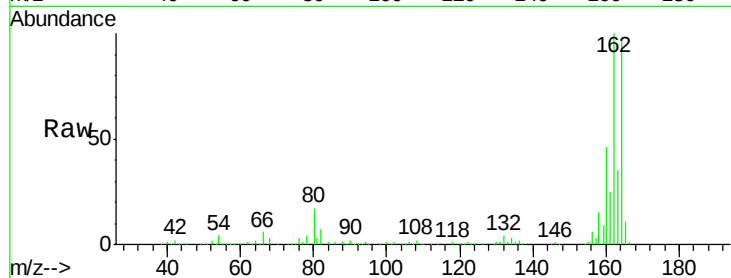




#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.19 min
 Lab File: BF085224.D
 Acq: 5 Mar 2016 1:16

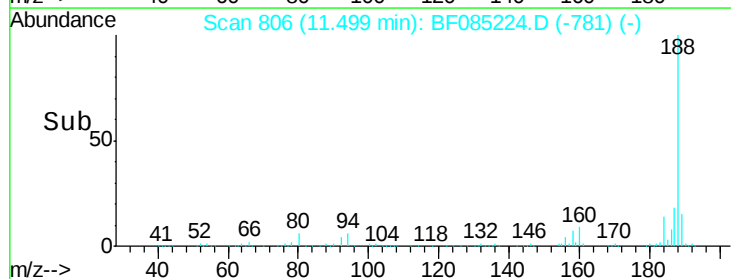
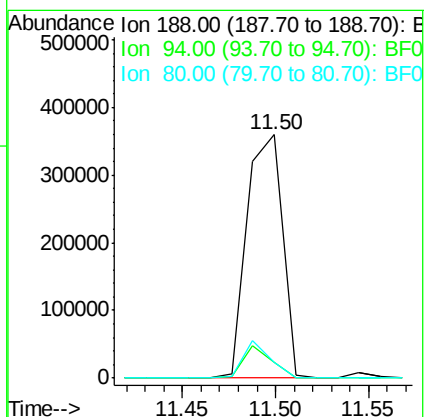
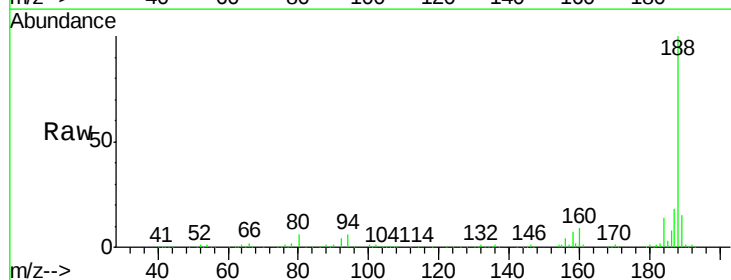
Instrument :
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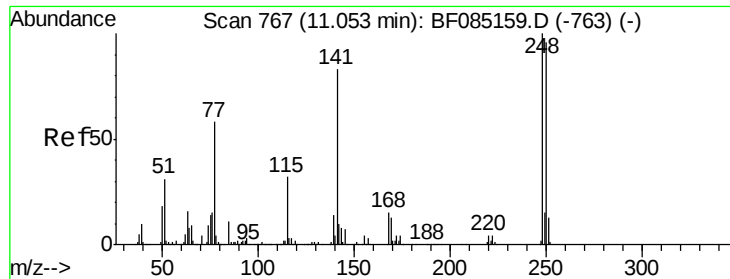
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.4	53.0#
89	2.0	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF085224.D
 Acq: 5 Mar 2016 1:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	7.0	10.6#
80	6.4	7.4	11.0#

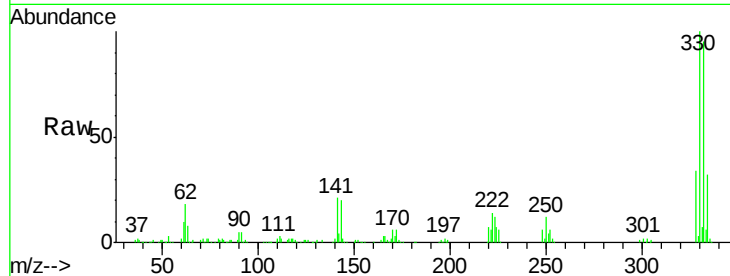




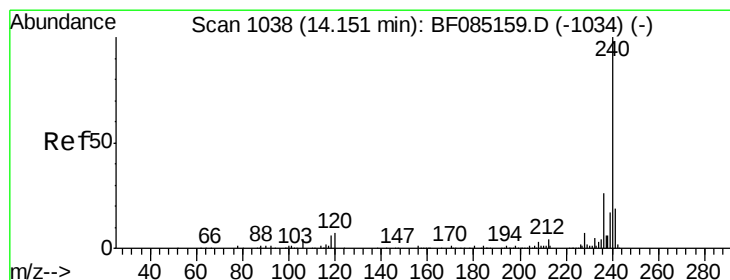
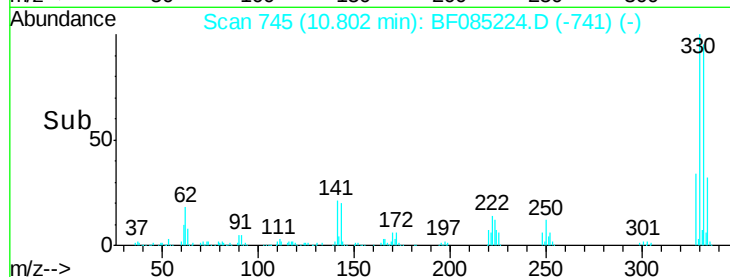
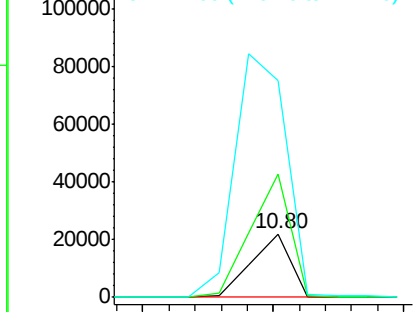
#66
4-Bromophenyl-phenylether
Concen: 5.06 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF085224.D
Acq: 5 Mar 2016 1:16

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)

Tgt Ion:248 Resp: 23306
Ion Ratio Lower Upper
248 100
250 195.1 77.1 115.7#
141 343.1 66.2 99.2#

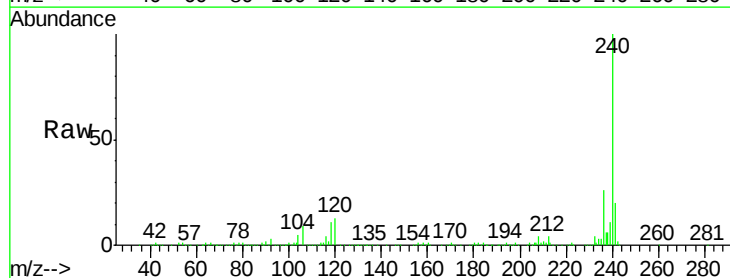


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

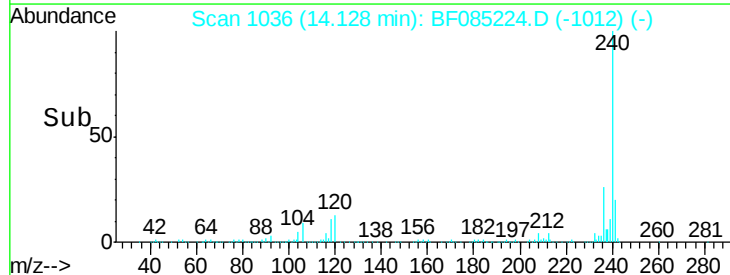
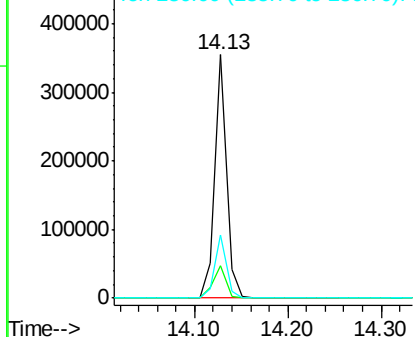


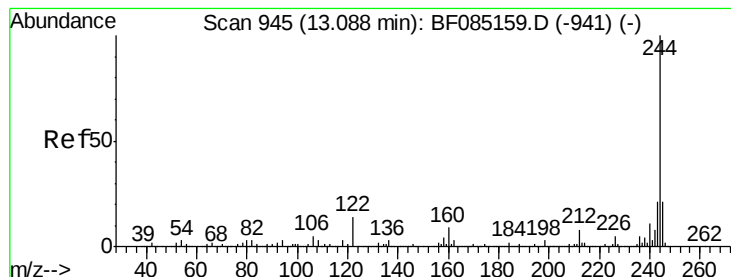
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085224.D
Acq: 5 Mar 2016 1:16

Tgt Ion:240 Resp: 311295
Ion Ratio Lower Upper
240 100
120 13.1 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: 93.04 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)

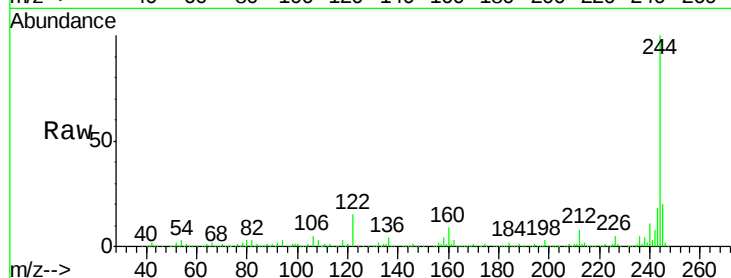
Tgt Ion:244 Resp: 1247601

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

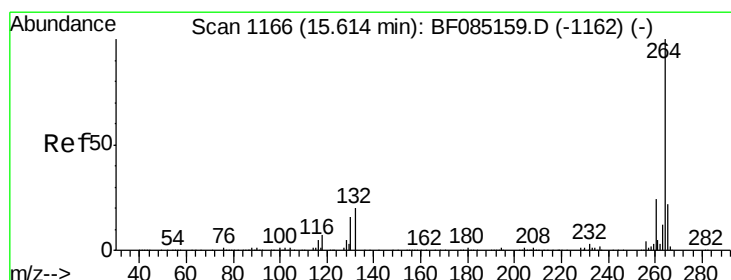
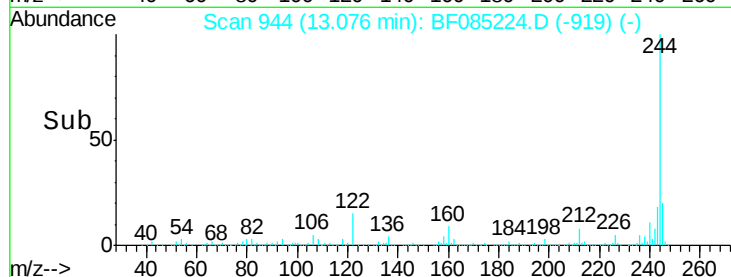
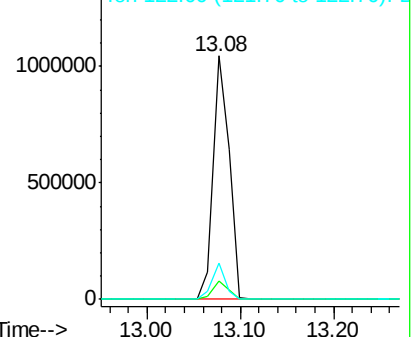
122 15.0 11.4 17.2



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: 15.60 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF085224.D

Acq: 5 Mar 2016 1:16

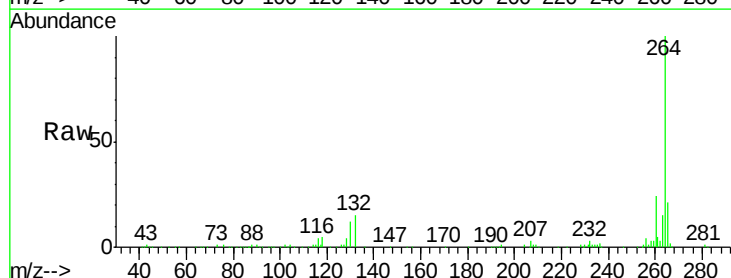
Tgt Ion:264 Resp: 241508

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.5 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

