

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085267.D
 Acq On : 8 Mar 2016 20:42
 Operator : UM/SJ
 Sample : H1684-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-48-S2 GRID 4

Quant Time: Mar 09 00:05:58 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	6.96	152	148047	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	563866	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	244289	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	527325	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	353223	20.00	ng	-0.03
86) Perylene-d12	15.58	264	94679	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1185136	134.28	ng	0.00
7) Phenol-d6	6.58	99	1197092	103.52	ng	-0.02
23) Nitrobenzene-d5	7.52	82	924210	87.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	355742	170.19	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1679117	104.53	ng	-0.02
78) Terphenyl-d14	13.08	244	1694616	111.37	ng	-0.01

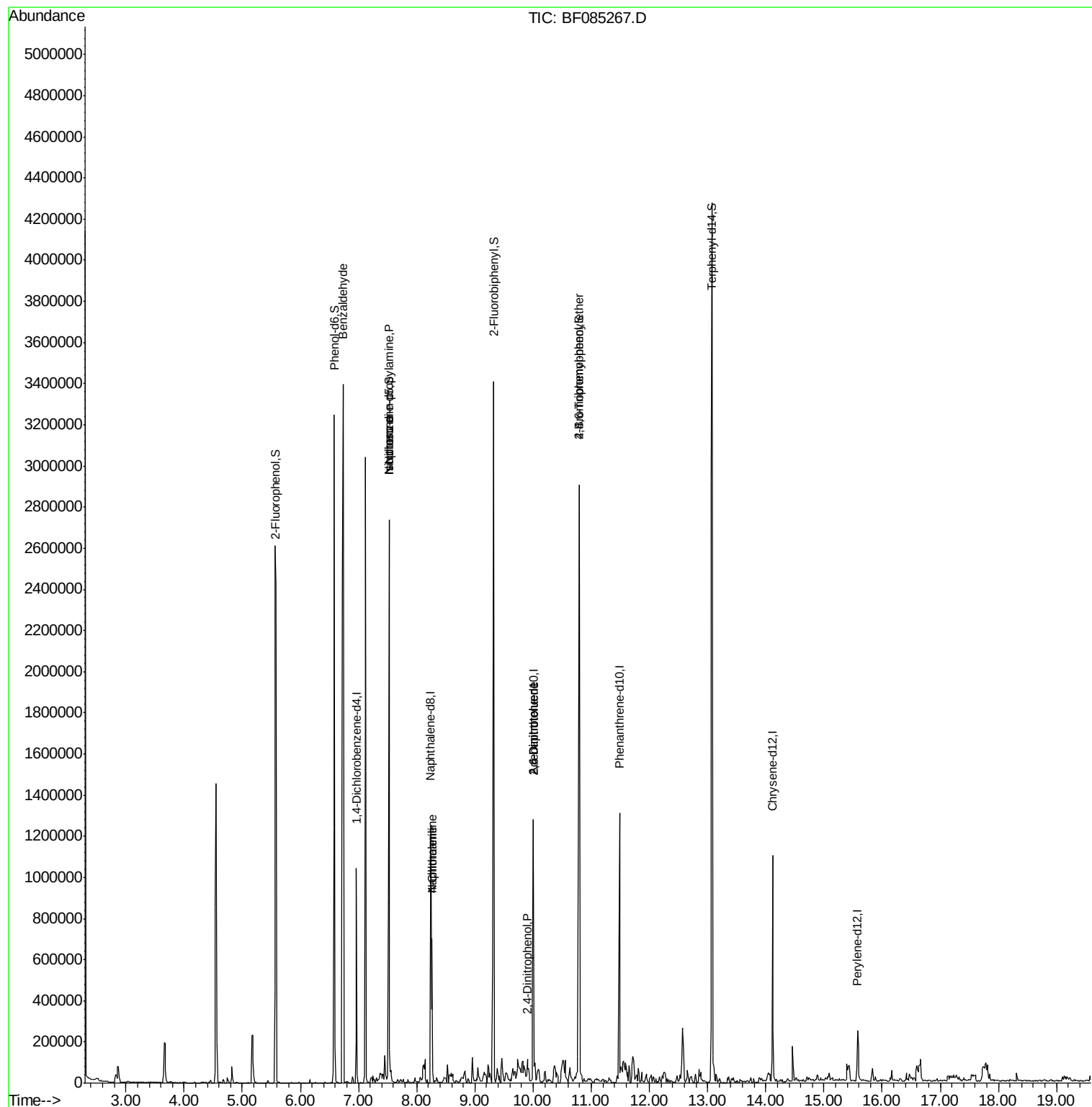
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	27839	2.27	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	124344	16.50	ng	# 78
25) Isophorone	7.52	82	701180	35.91	ng	# 67
31) Naphthalene	8.26	128	285462	10.30	ng	97
33) 4-Chloroaniline	8.26	127	37203	3.32	ng	# 32
50) 2,6-Dinitrotoluene	10.00	165	31646	7.89	ng	# 26
53) 2,4-Dinitrophenol	9.90	184	245	8.13	ng	# 57
56) 2,4-Dinitrotoluene	10.00	165	31647	6.16	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	26914	5.26	ng	# 1

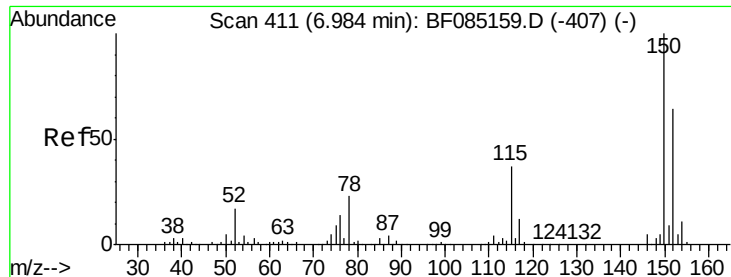
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 09 00:05:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

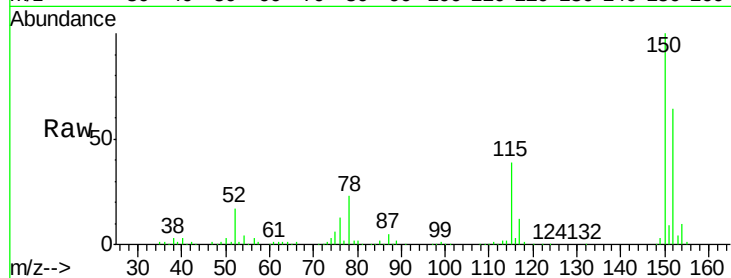
Tgt Ion:152 Resp: 148047

Ion Ratio Lower Upper

152 100

150 156.3 124.6 186.8

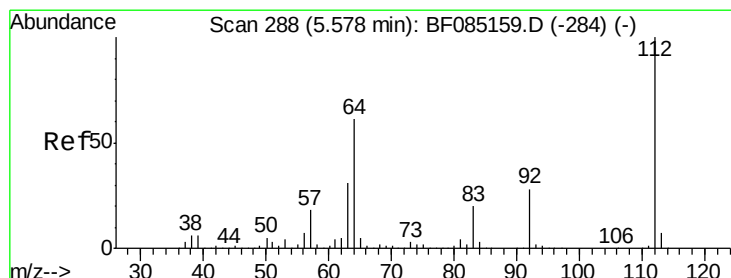
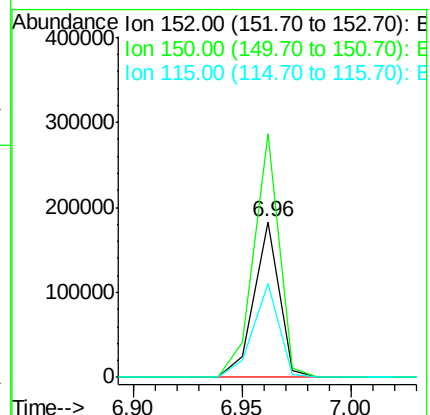
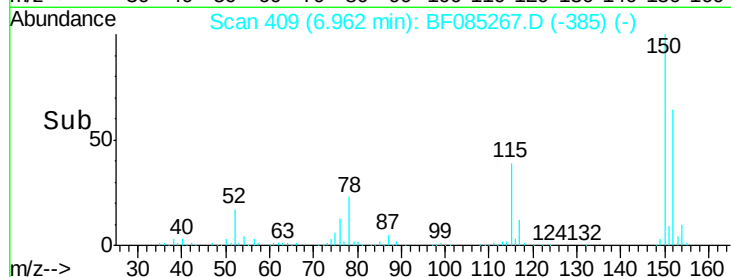
115 60.2 46.6 70.0



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: 134.28 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

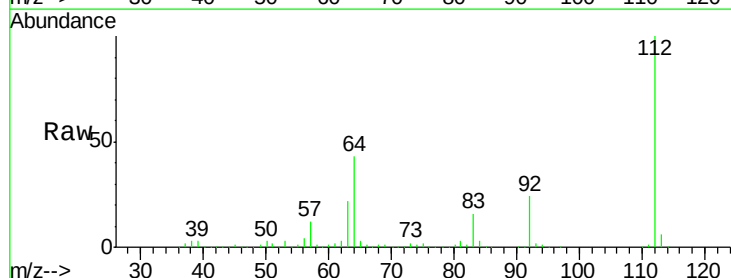
Tgt Ion:112 Resp: 1185136

Ion Ratio Lower Upper

112 100

64 43.4 49.0 73.4#

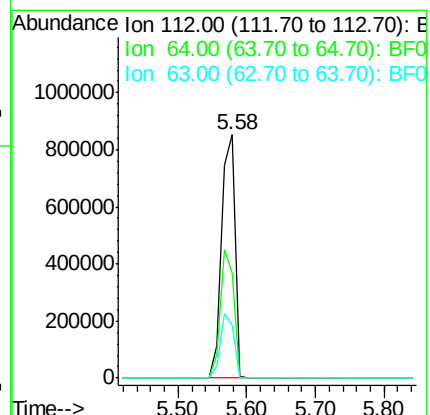
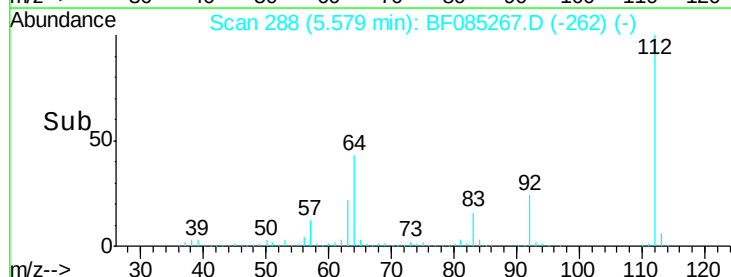
63 21.7 24.8 37.2#

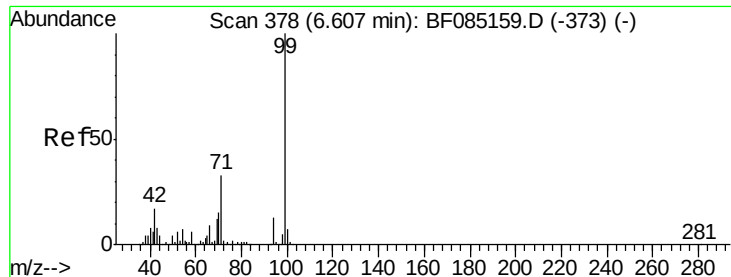


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.52 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

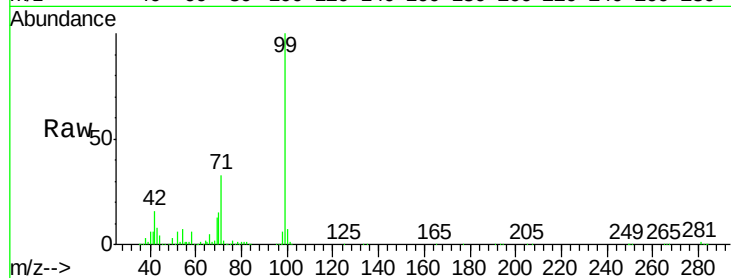
Tgt Ion: 99 Resp: 1197092

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

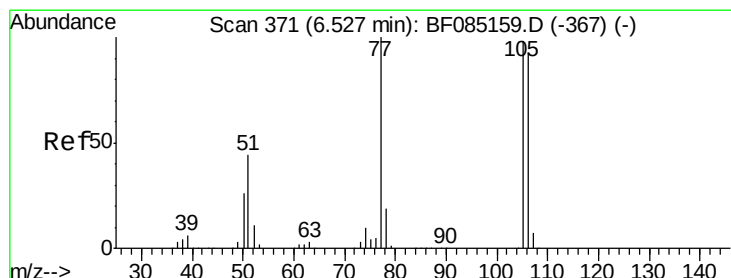
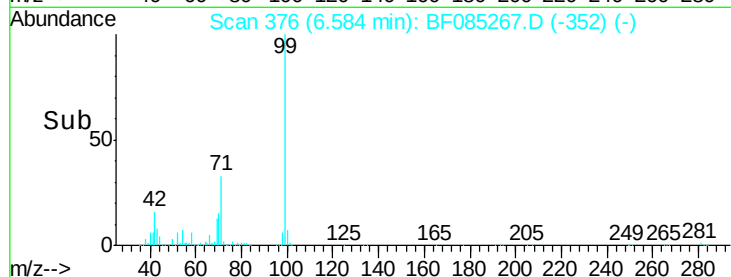
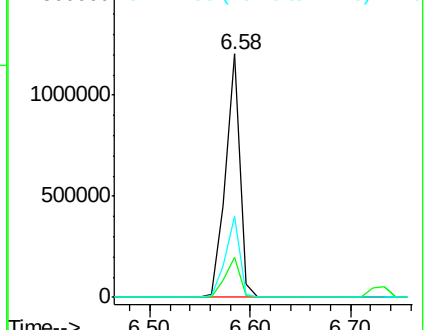
71 33.4 26.7 40.1



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: 2.27 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

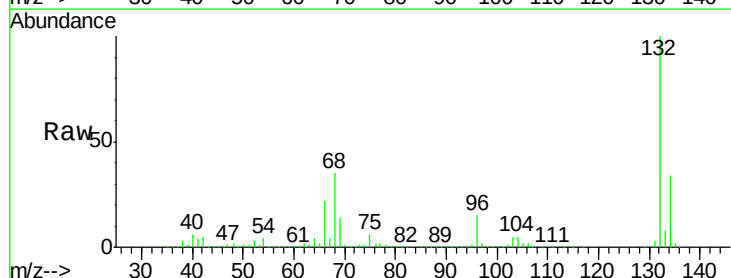
Tgt Ion: 77 Resp: 27839

Ion Ratio Lower Upper

77 100

105 85.8 78.2 118.2

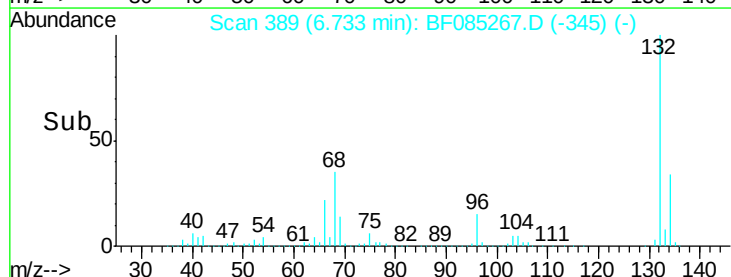
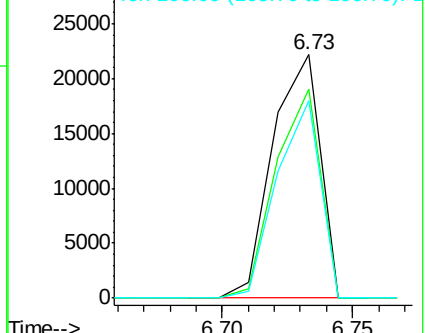
106 80.9 72.9 112.9

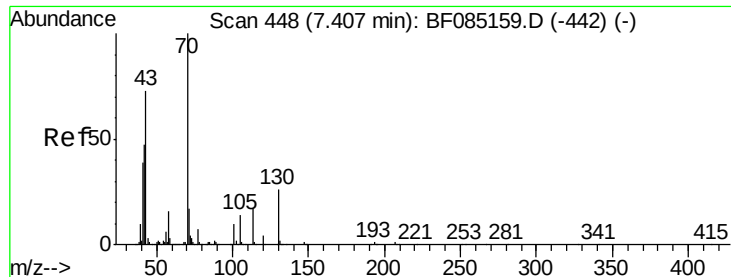


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

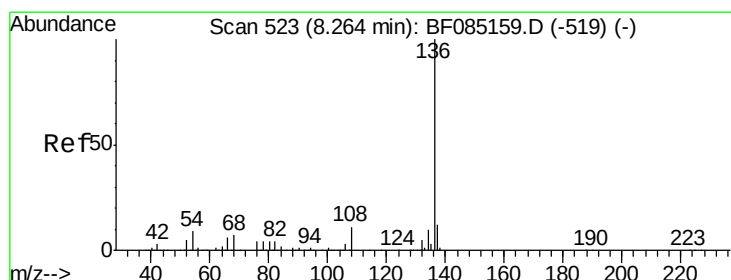
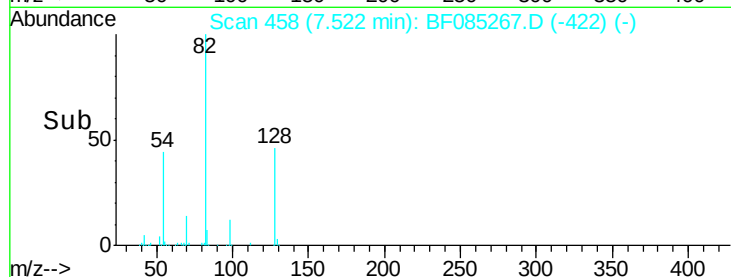
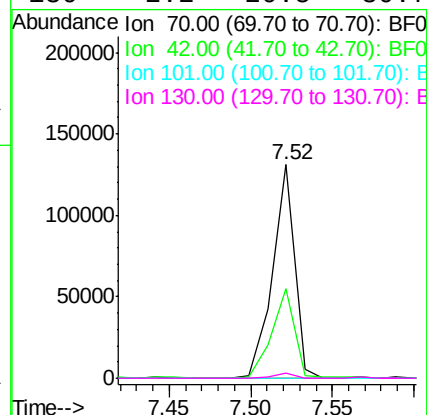
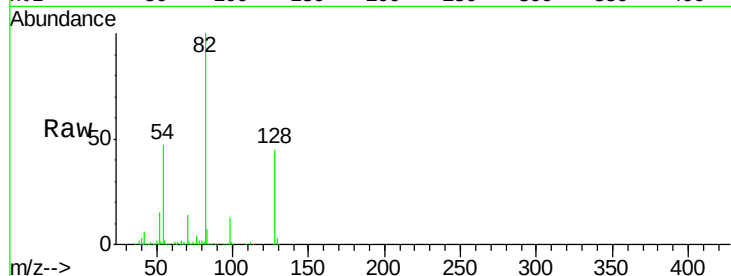




#19
n-Nitroso-di-n-propylamine
Concen: 16.50 ng
RT: 7.52 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

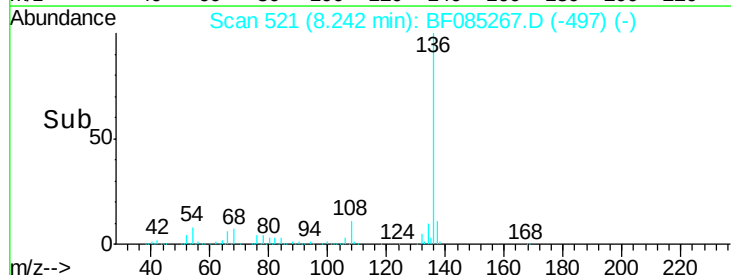
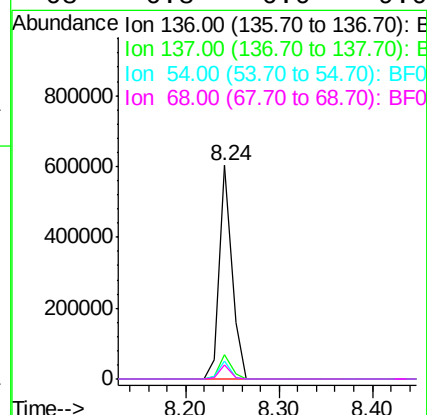
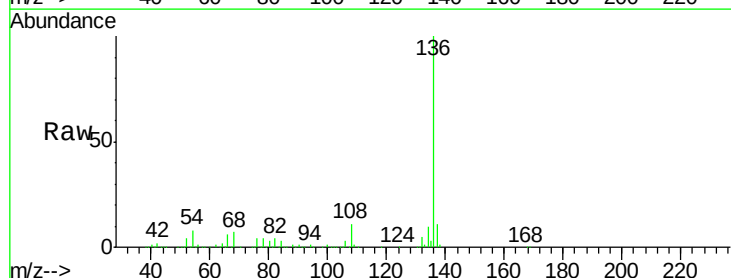
Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 4

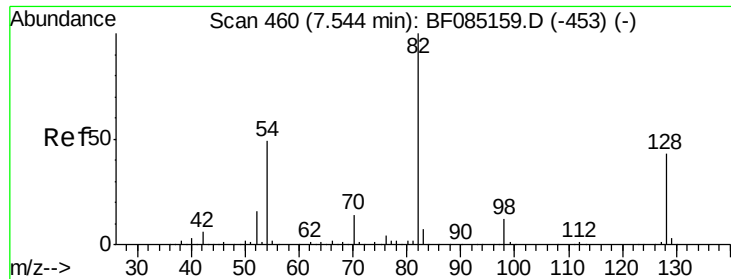
Tgt Ion:	70	Resp:	124344
Ion	Ratio	Lower	Upper
70	100		
42	42.2	37.7	56.5
101	0.0	8.2	12.4#
130	2.2	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

Tgt Ion:	136	Resp:	563866
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	8.5	7.4	11.2
68	6.8	6.0	9.0

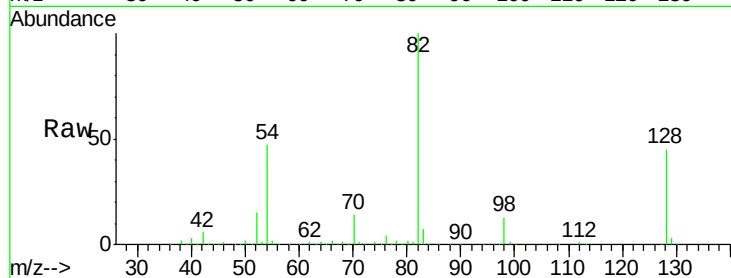




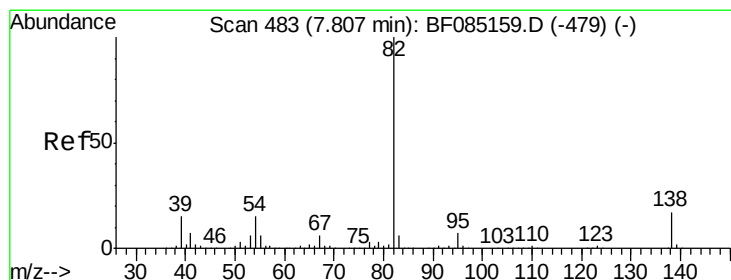
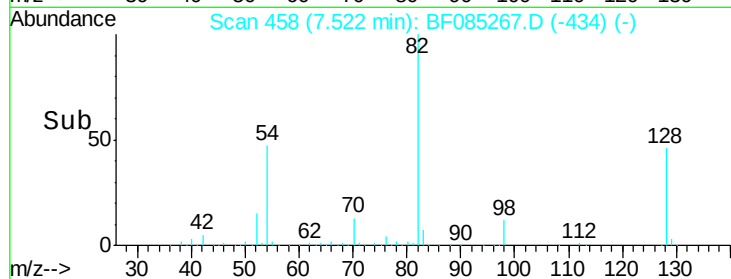
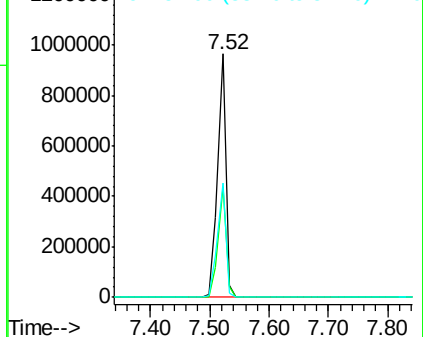
#23
 Nitrobenzene-d5
 Concen: 87.71 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085267.D
 Acq: 8 Mar 2016 20:42

Instrument :
 BNA_F
 ClientSampleId :
 RW-48-S2 GRID 4

Tgt Ion: 82 Resp: 924210
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.5 51.7
 54 46.8 39.3 58.9

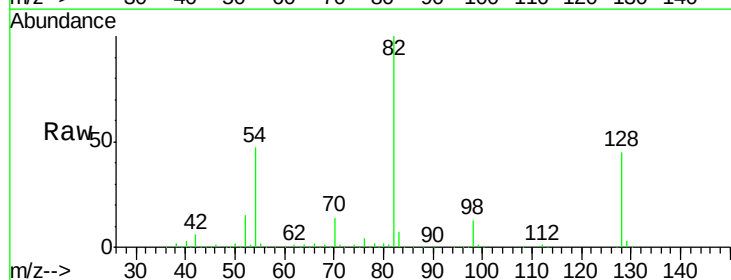


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

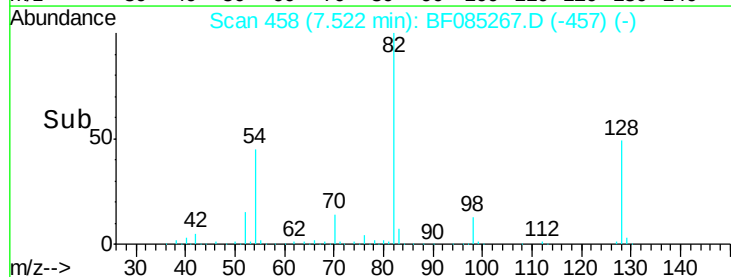
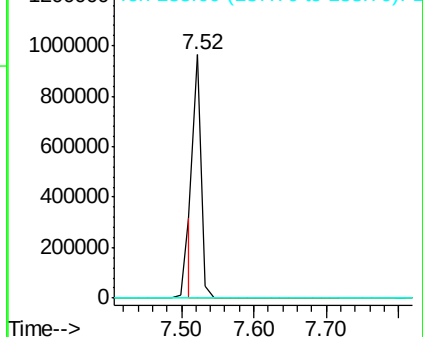


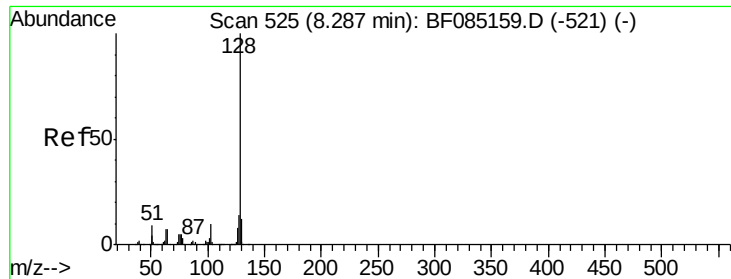
#25
 Isophorone
 Concen: 35.91 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.29 min
 Lab File: BF085267.D
 Acq: 8 Mar 2016 20:42

Tgt Ion: 82 Resp: 701180
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 13.3 19.9#



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): BF0

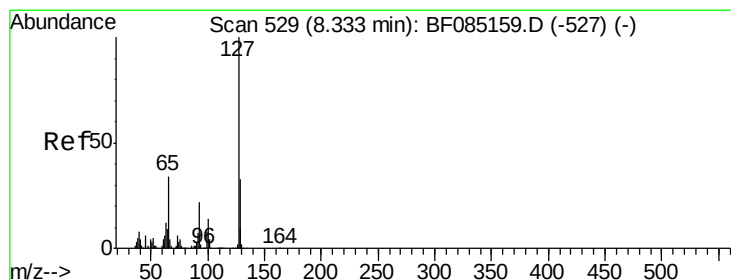
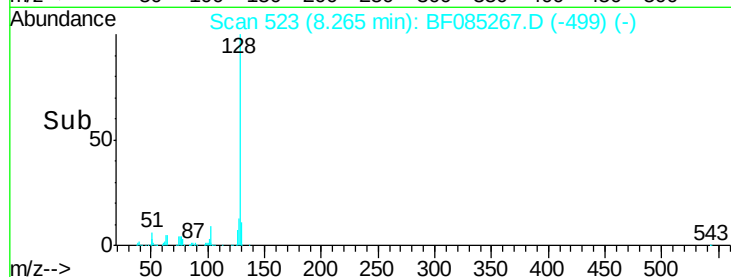
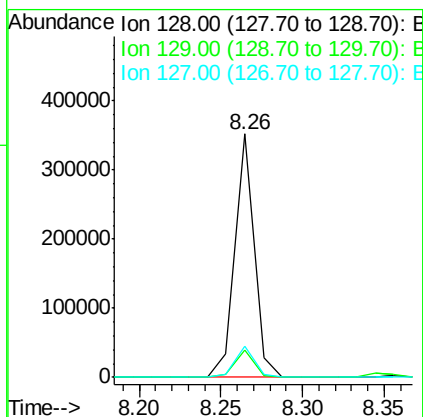
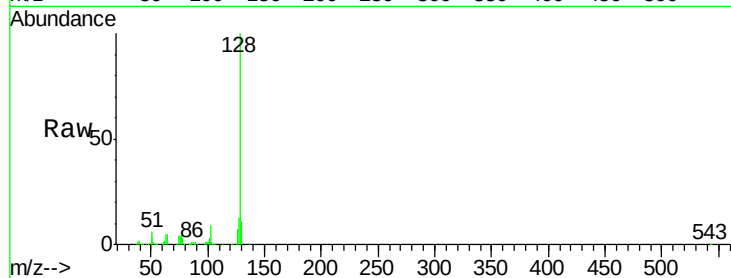




#31
Naphthalene
Concen: 10.30 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

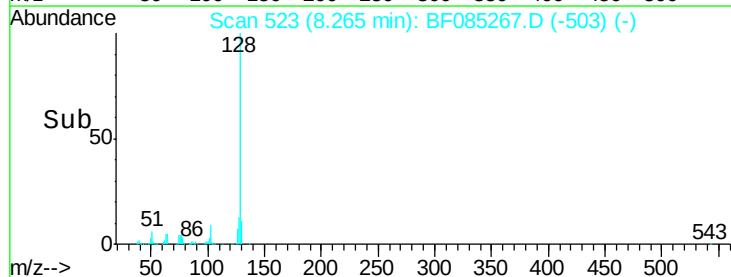
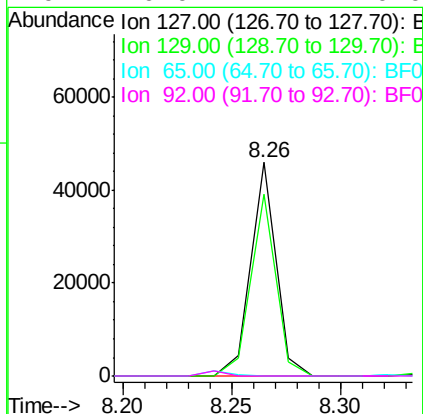
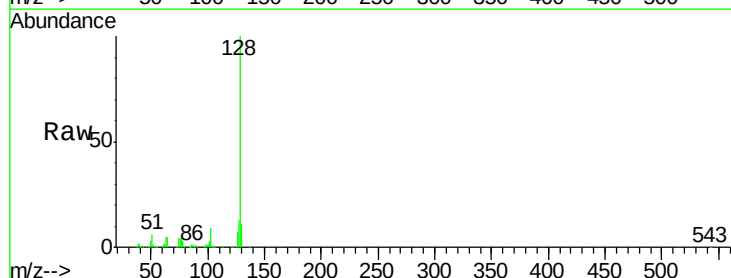
Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 4

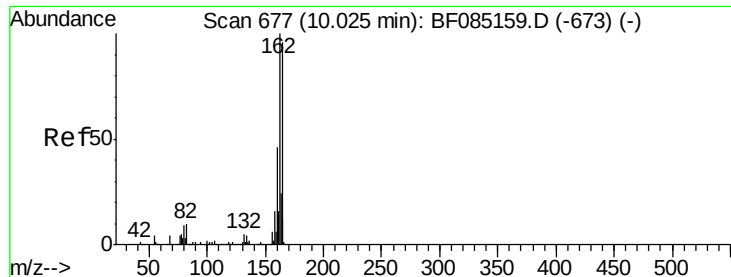
Tgt Ion:128 Resp: 285462
Ion Ratio Lower Upper
128 100
129 11.1 9.7 14.5
127 13.0 11.2 16.8



#33
4-Chloroaniline
Concen: 3.32 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.07 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

Tgt Ion:127 Resp: 37203
Ion Ratio Lower Upper
127 100
129 84.9 26.1 39.1#
65 0.0 27.0 40.6#
92 0.0 17.4 26.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

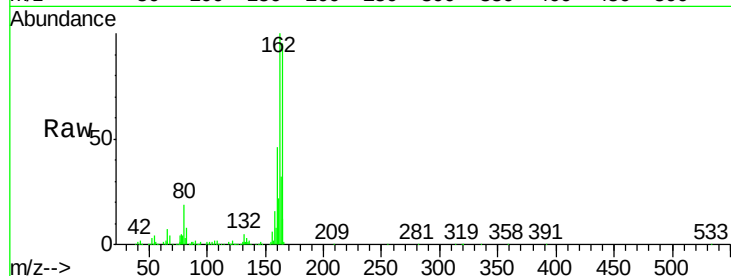
Tgt Ion:164 Resp: 244289

Ion Ratio Lower Upper

164 100

162 105.0 83.3 124.9

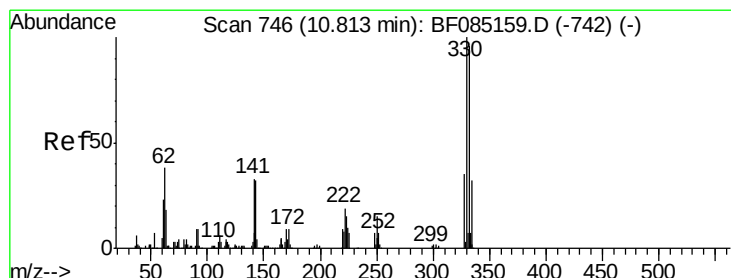
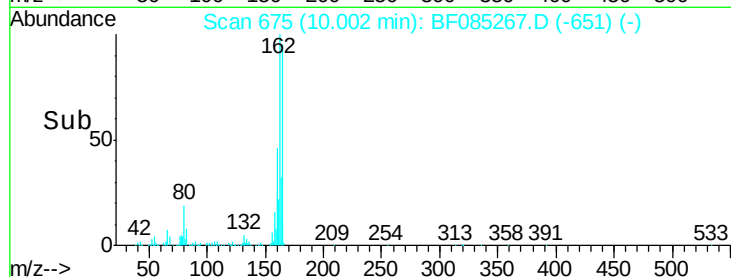
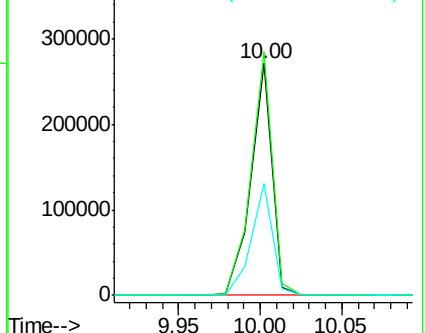
160 48.1 37.9 56.9



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: 170.19 ng

RT: 10.79 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

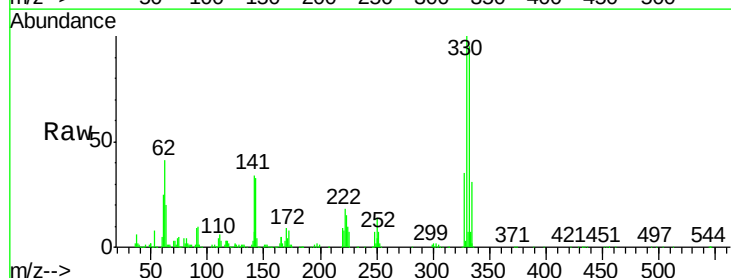
Tgt Ion:330 Resp: 355742

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

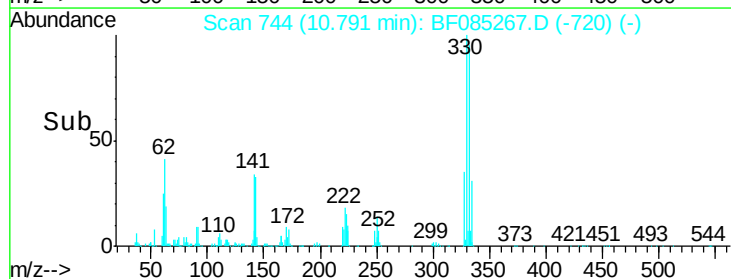
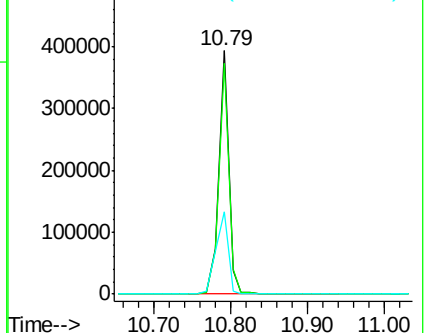
141 41.5 35.0 52.6

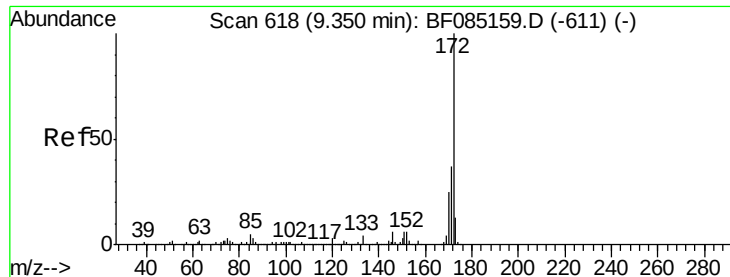


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 104.53 ng

RT: 9.33 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

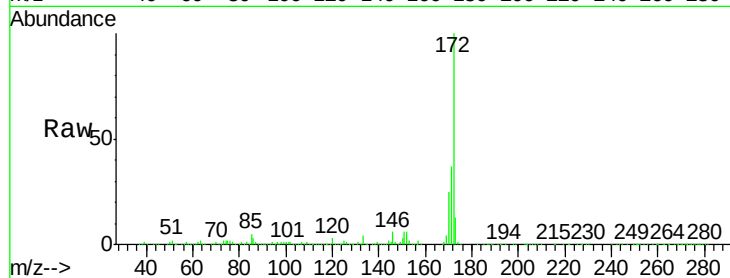
Tgt Ion:172 Resp: 1679117

Ion Ratio Lower Upper

172 100

171 36.7 29.3 43.9

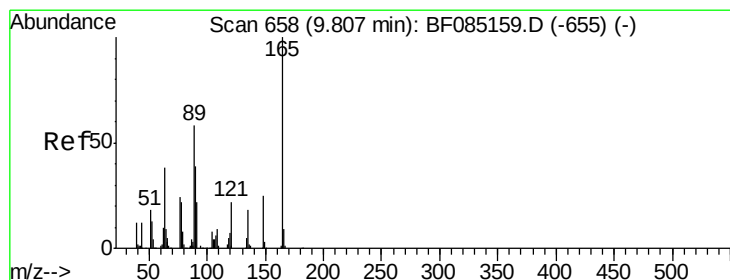
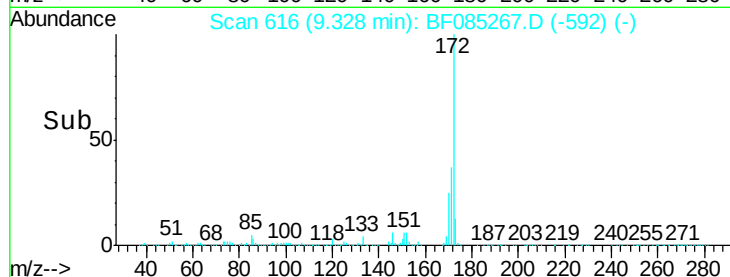
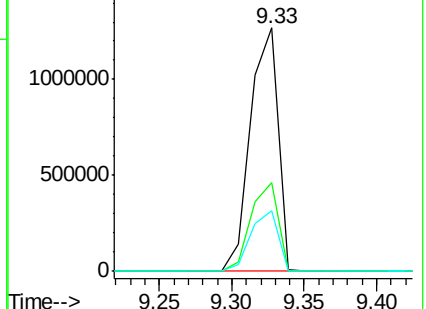
170 24.9 20.0 30.0



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: 7.89 ng

RT: 10.00 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

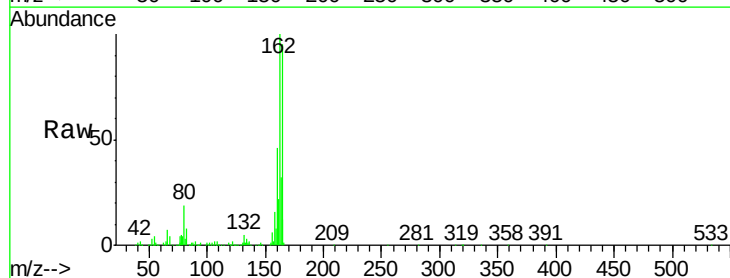
Tgt Ion:165 Resp: 31646

Ion Ratio Lower Upper

165 100

63 1.8 41.8 62.8#

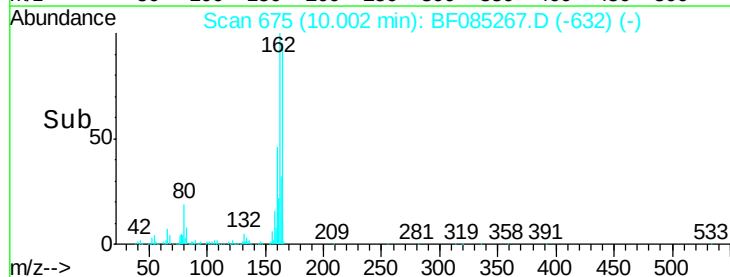
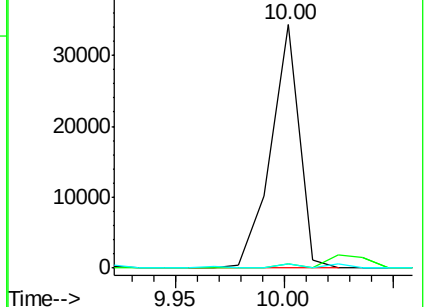
89 1.7 46.7 70.1#

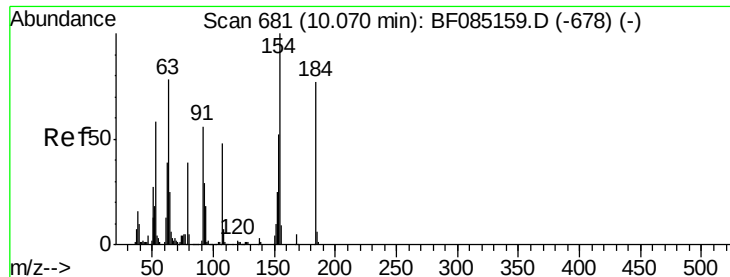


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

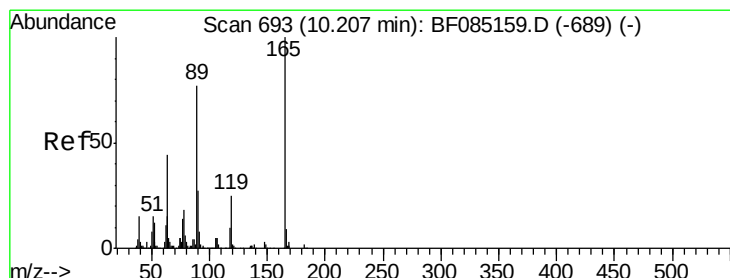
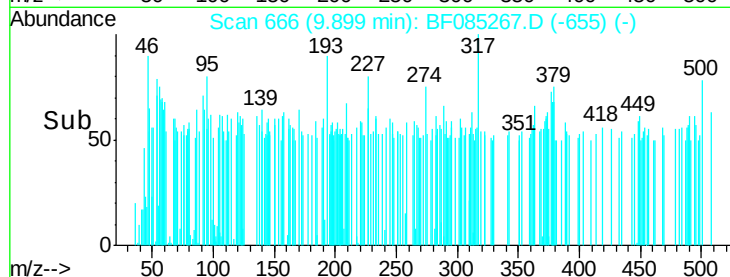
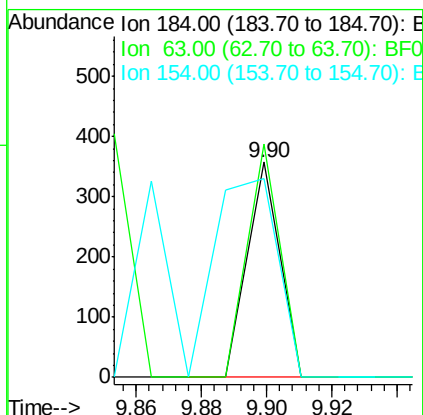
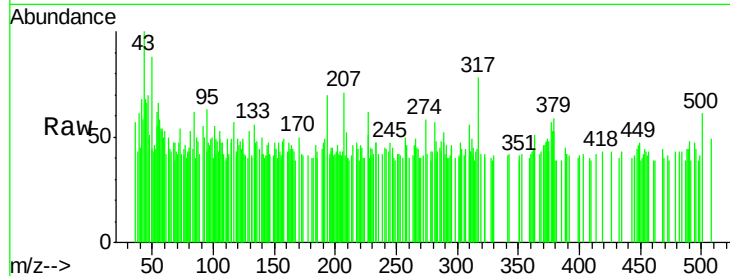




#53
2,4-Dinitrophenol
Concen: 8.13 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.17 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

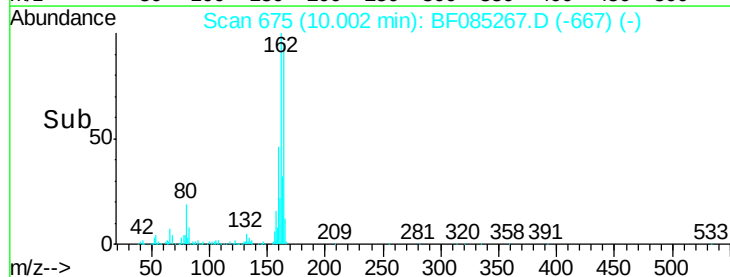
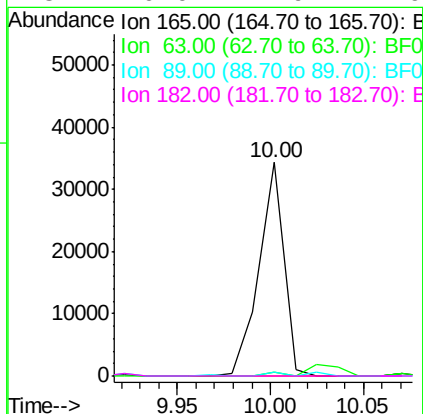
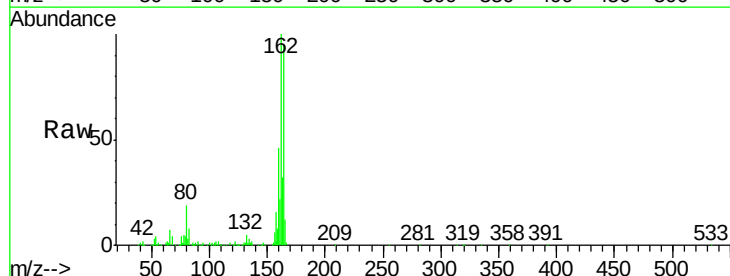
Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 4

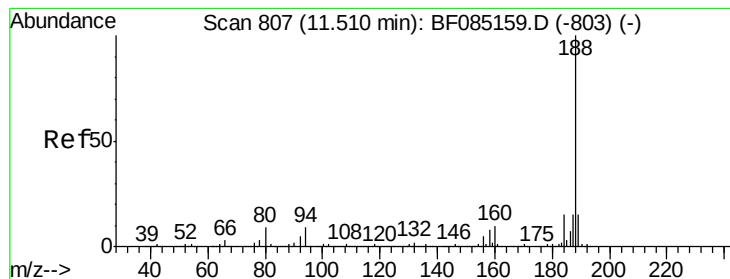
Tgt Ion:184 Resp: 245
Ion Ratio Lower Upper
184 100
63 104.9 82.2 123.4
154 47.8 108.9 163.3#



#56
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

Tgt Ion:165 Resp: 31647
Ion Ratio Lower Upper
165 100
63 1.8 35.4 53.0#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

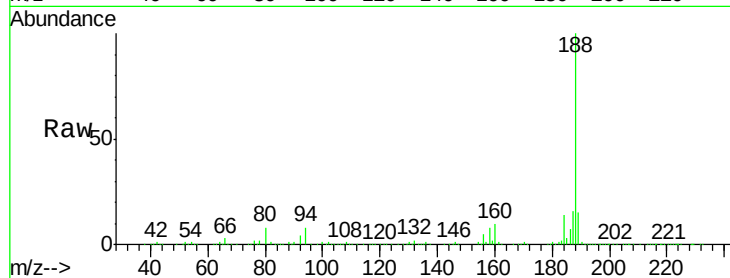
Tgt Ion:188 Resp: 527325

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.6

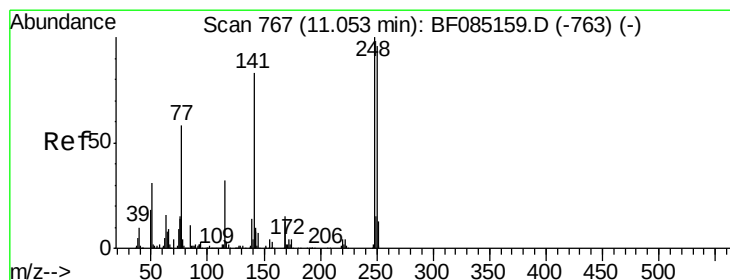
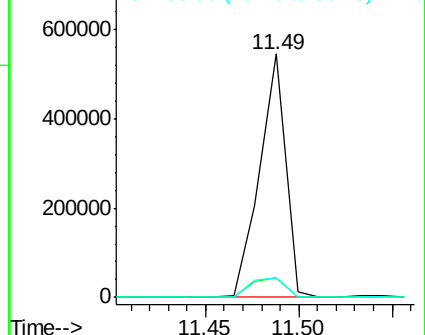
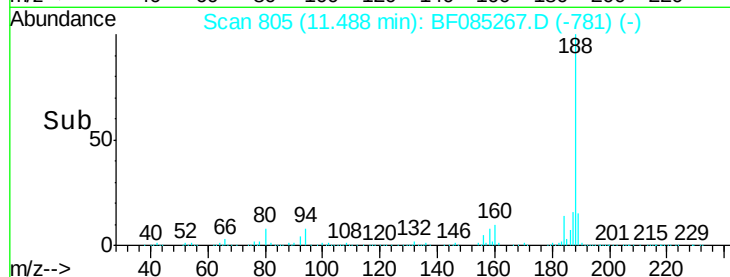
80 7.8 7.4 11.0



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: 5.26 ng

RT: 10.79 min Scan# 744

Delta R.T. -0.26 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

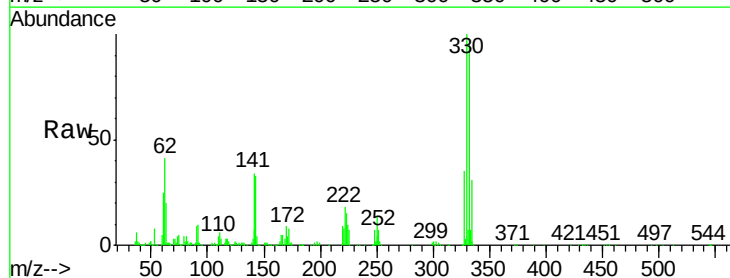
Tgt Ion:248 Resp: 26914

Ion Ratio Lower Upper

248 100

250 195.0 77.1 115.7#

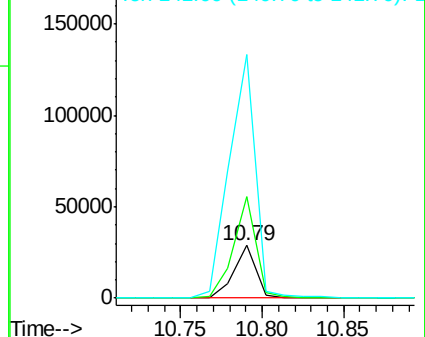
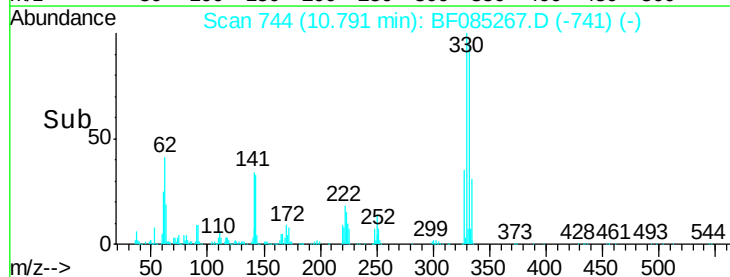
141 465.0 66.2 99.2#

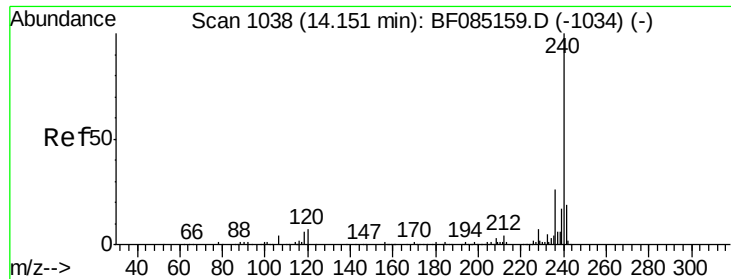


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

Instrument :

BNA_F

ClientSampleId :

RW-48-S2 GRID 4

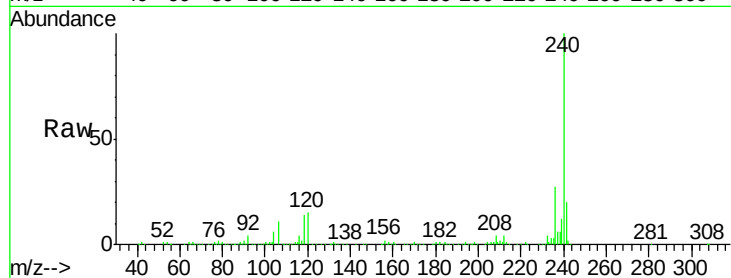
Tgt Ion:240 Resp: 353223

Ion Ratio Lower Upper

240 100

120 15.2 5.3 7.9#

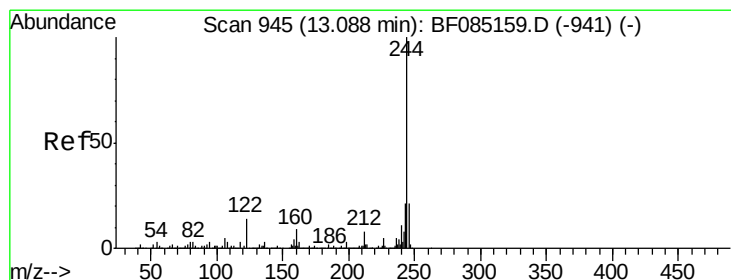
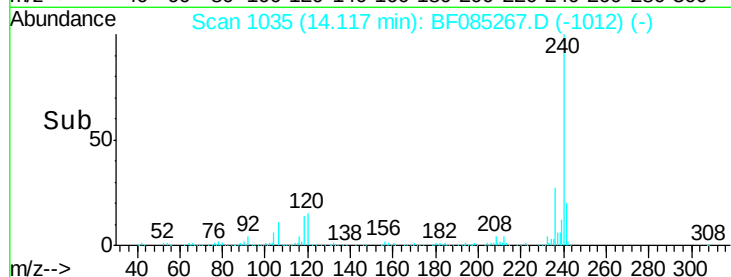
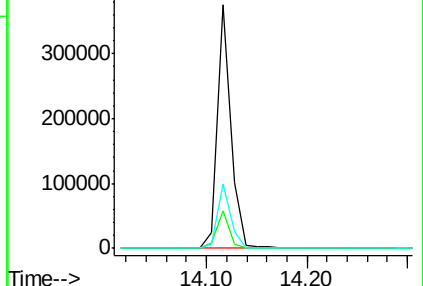
236 26.7 20.7 31.1



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: 111.37 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085267.D

Acq: 8 Mar 2016 20:42

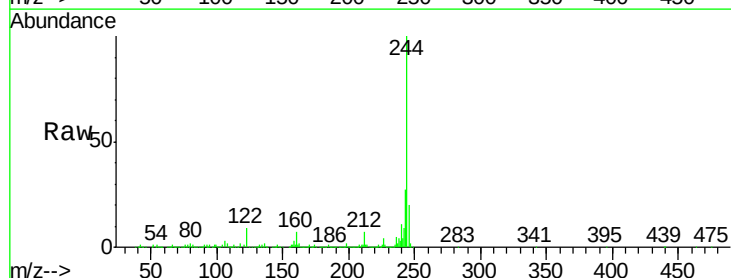
Tgt Ion:244 Resp: 1694616

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

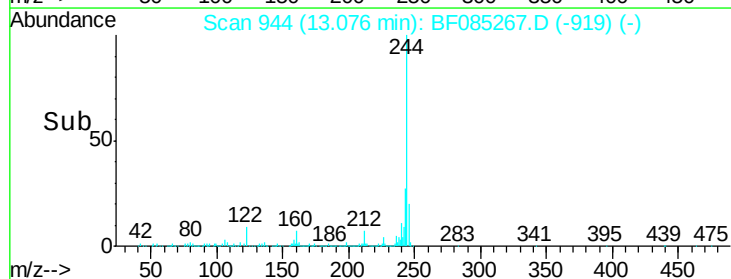
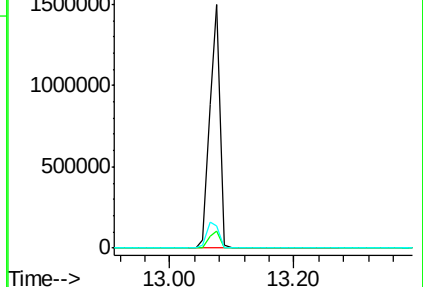
122 9.3 11.4 17.2#

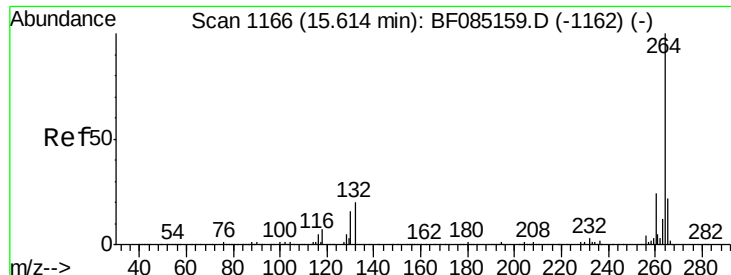


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

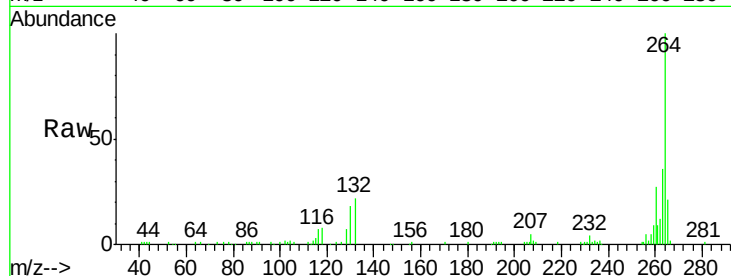




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085267.D
Acq: 8 Mar 2016 20:42

Instrument :
BNA_F
ClientSampleId :
RW-48-S2 GRID 4

Tgt Ion: 264 Resp: 94679
Ion Ratio Lower Upper
264 100
260 26.7 19.2 28.8
265 20.6 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

