

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102615\
 Data File : BF082549.D
 Acq On : 27 Oct 2015 13:58
 Operator : UM/IZ
 Sample : G4111-03RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEARWELL

Quant Time: Oct 27 16:22:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	102880	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	401989	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	161001	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	235657	20.00	ng	0.00
75) Chrysene-d12	13.93	240	258634	20.00	ng	0.02
86) Perylene-d12	15.40	264	195327	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	184155	35.34	ng	0.01
7) Phenol-d6	6.39	99	149531	22.01	ng	0.01
23) Nitrobenzene-d5	7.30	82	444430	71.32	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	79856	66.24	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	812302	80.23	ng	0.00
78) Terphenyl-d14	12.85	244	392579	43.73	ng	0.00

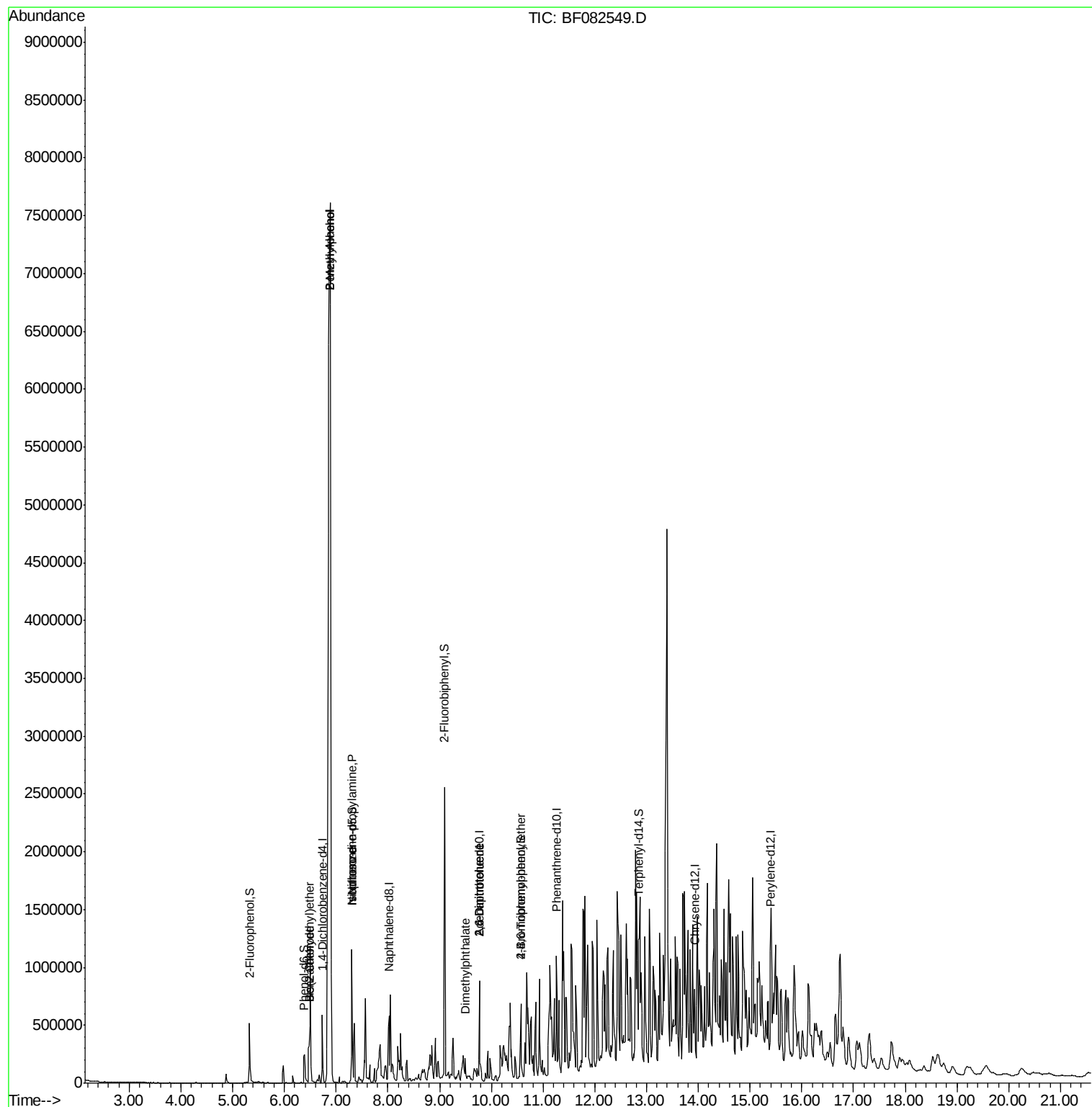
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	22153	4.67	ng	# 13
11) bis(2-Chloroethyl)ether	6.48	93	86582	14.15	ng	# 18
15) Benzyl Alcohol	6.88	79	1421639	300.68	ng	# 62
17) 2-Methylphenol	6.88	107	816554	166.57	ng	# 6
19) n-Nitroso-di-n-propylamine	7.30	70	61204	13.83	ng	# 81
25) Isophorone	7.30	82	381089	30.78	ng	# 64
49) Dimethylphthalate	9.50	163	26641	2.38	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	20163	8.21	ng	# 42
56) 2,4-Dinitrotoluene	9.77	165	20163	6.77	ng	# 13
66) 4-Bromophenyl-phenylether	10.57	248	5884	2.66	ng	# 1

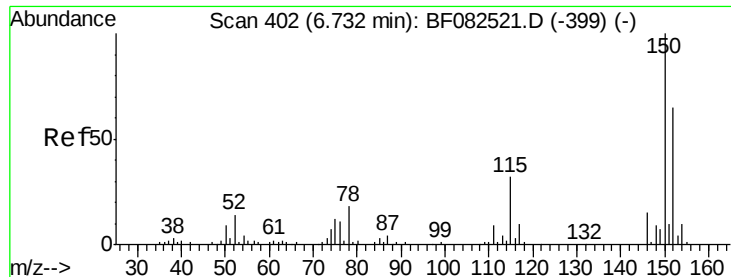
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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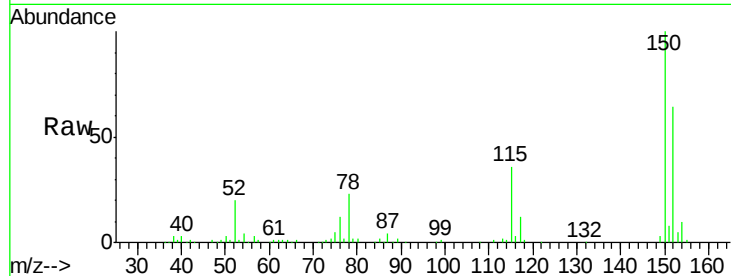


#1

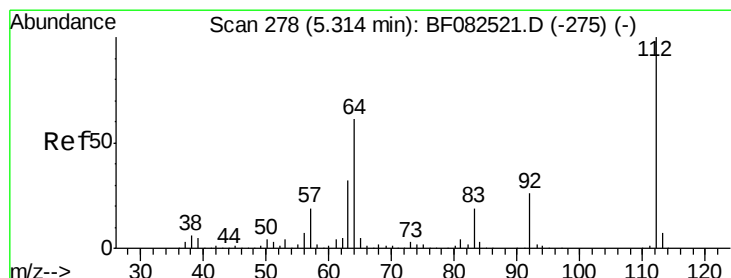
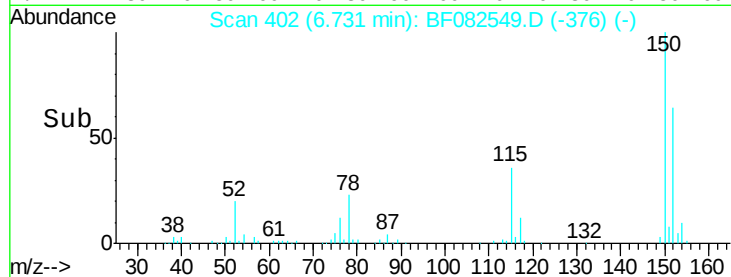
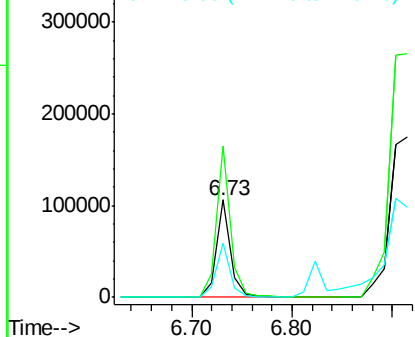
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

Instrument :
BNA_F
ClientSampleId :
CLEARWELL

Tgt Ion:152 Resp: 102880
Ion Ratio Lower Upper
152 100
150 156.0 123.4 185.0
115 56.0 39.0 58.4



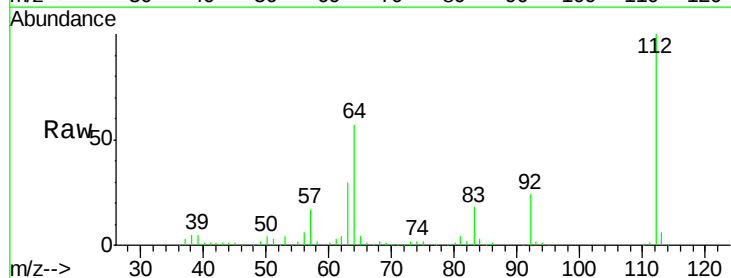
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



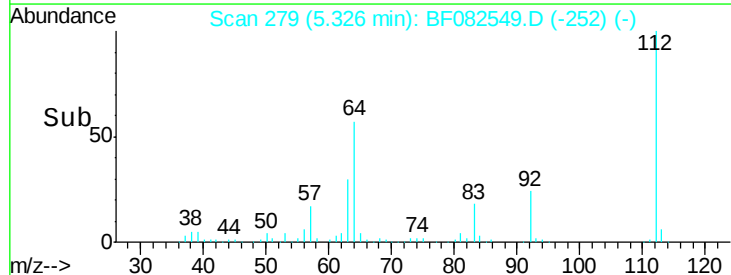
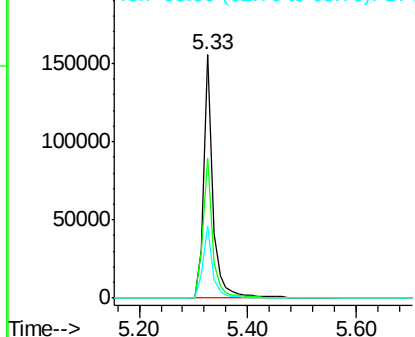
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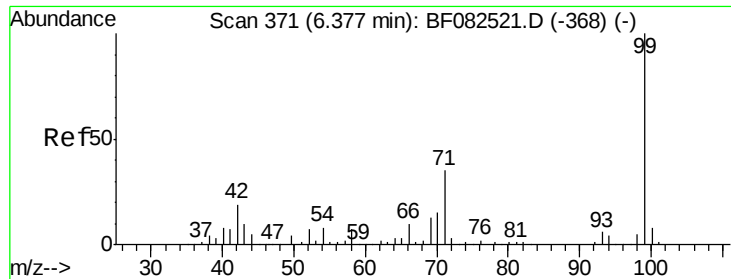
2-Fluorophenol
Concen: 35.34 ng
RT: 5.33 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

Tgt Ion:112 Resp: 184155
Ion Ratio Lower Upper
112 100
64 57.3 49.0 73.4
63 29.7 25.8 38.6



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: 22.01 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

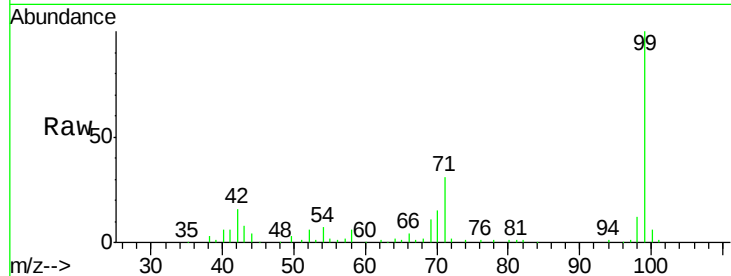
Tgt Ion: 99 Resp: 149531

Ion Ratio Lower Upper

99 100

42 15.7 15.1 22.7

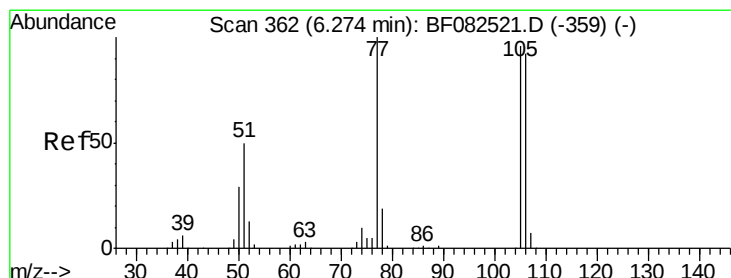
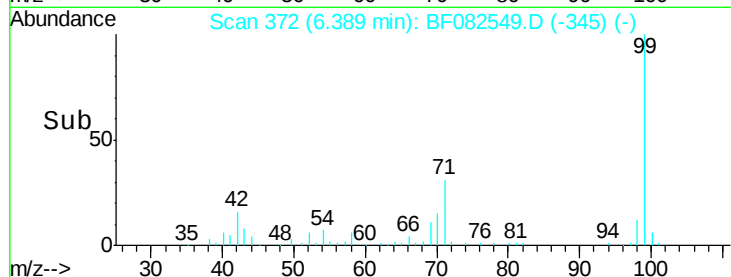
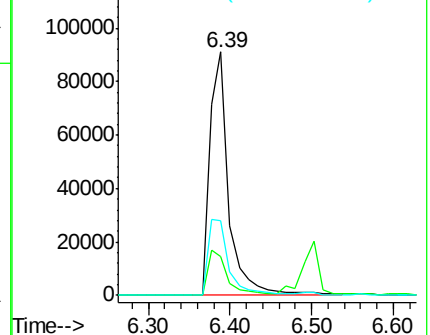
71 30.9 28.2 42.2



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: 4.67 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

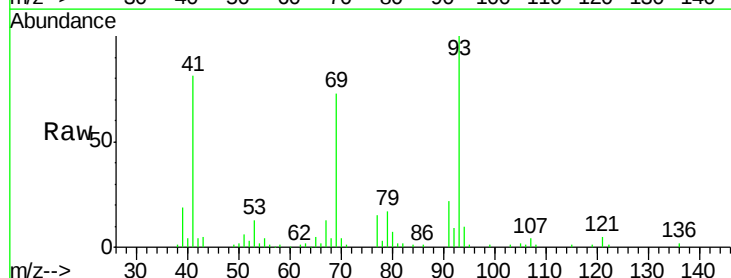
Tgt Ion: 77 Resp: 22153

Ion Ratio Lower Upper

77 100

105 15.4 75.9 115.9#

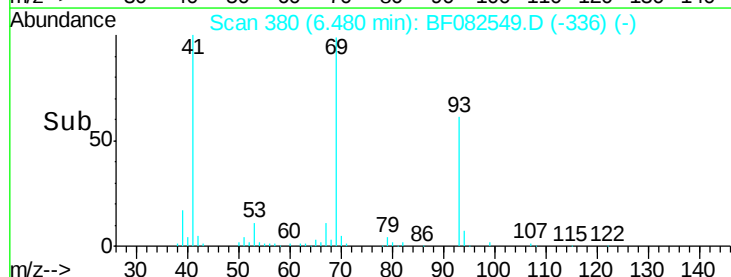
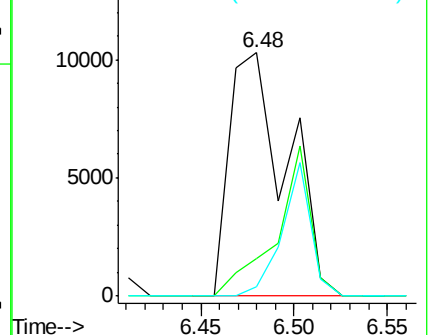
106 3.6 71.8 111.8#

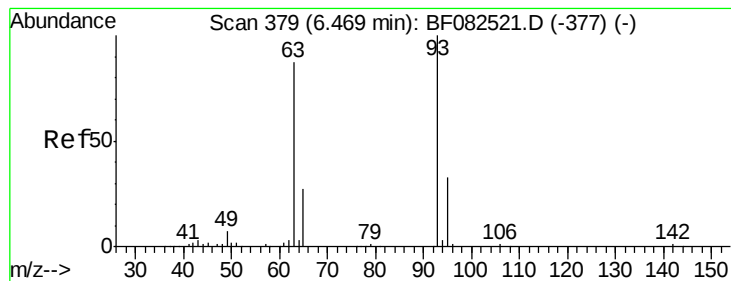


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#11

bis(2-Chloroethyl)ether

Concen: 14.15 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

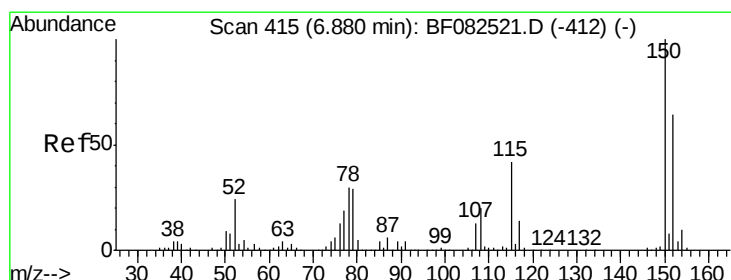
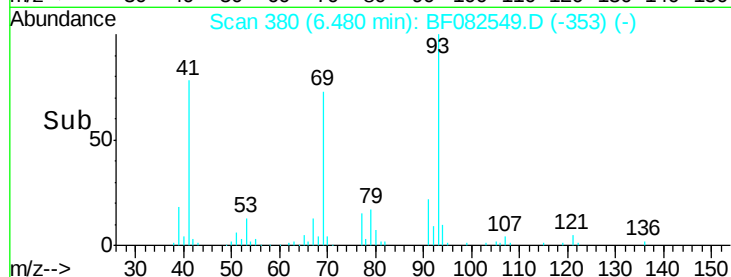
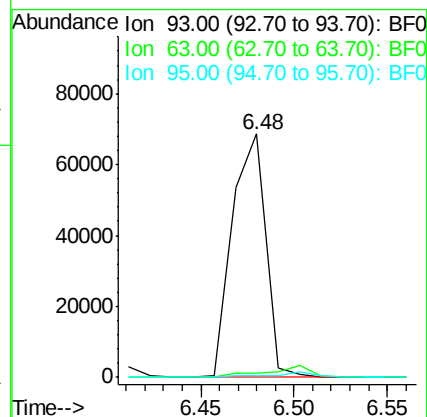
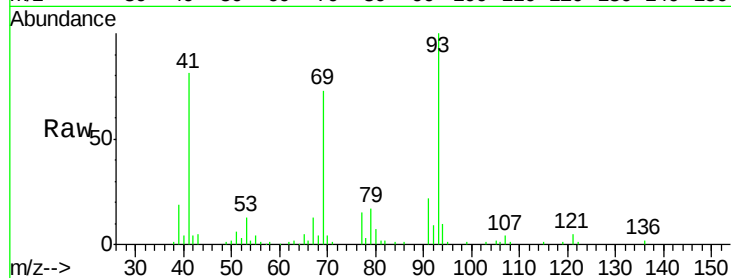
Tgt Ion: 93 Resp: 86582

Ion Ratio Lower Upper

93 100

63 1.8 65.2 105.2#

95 1.0 12.4 52.4#



#15

Benzyl Alcohol

Concen: 300.68 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

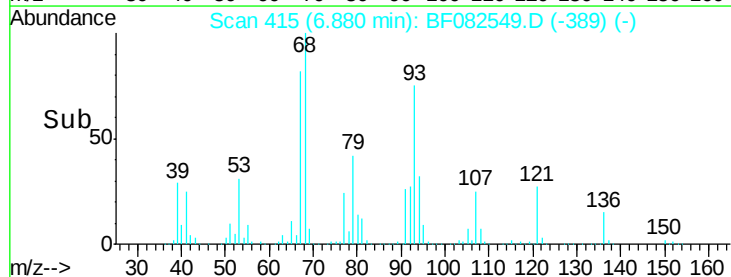
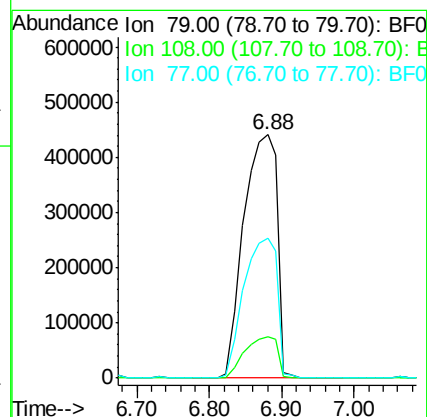
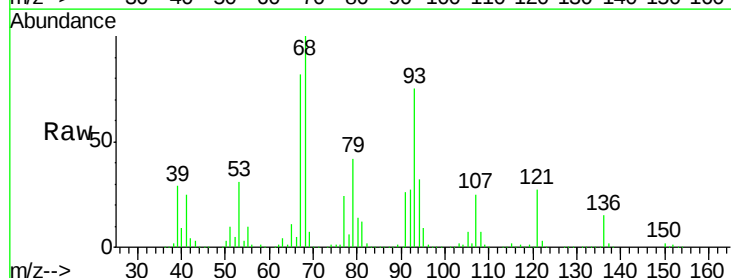
Tgt Ion: 79 Resp: 1421639

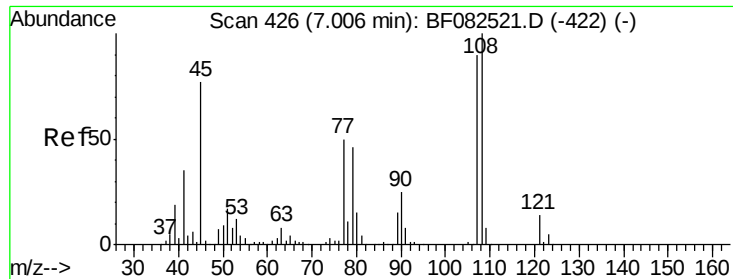
Ion Ratio Lower Upper

79 100

108 16.8 55.0 82.6#

77 57.6 52.5 78.7

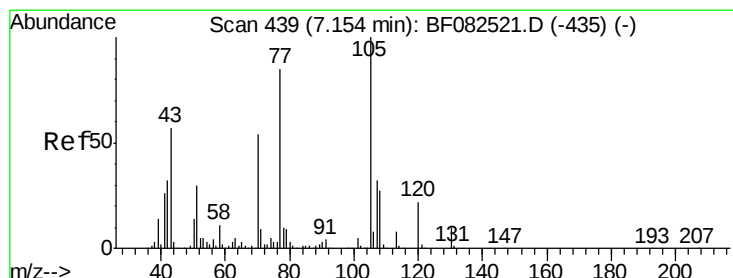
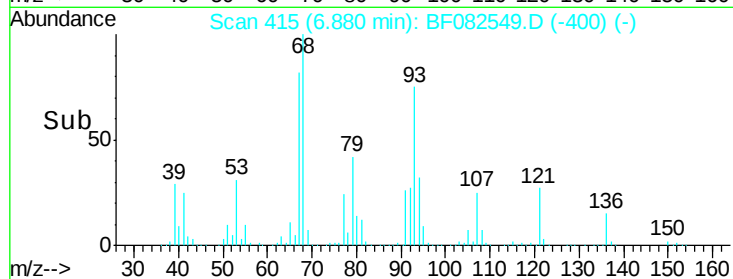
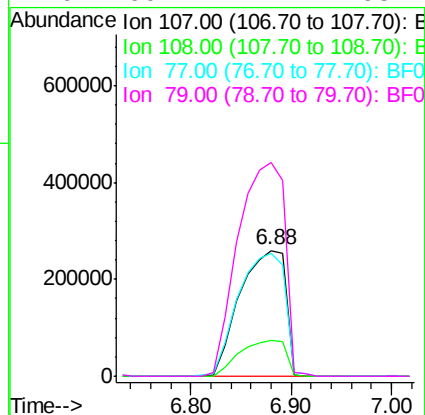
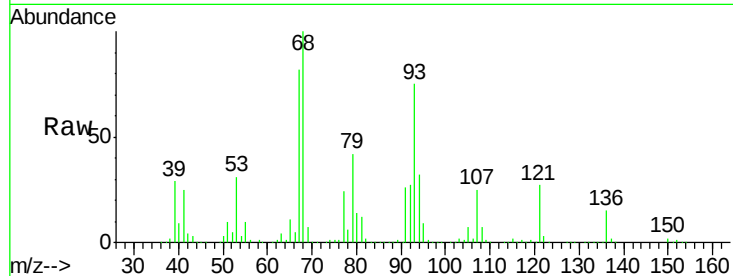




#17
2-Methylphenol
Concen: 166.57 ng
RT: 6.88 min Scan# 415
Delta R.T. -0.13 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

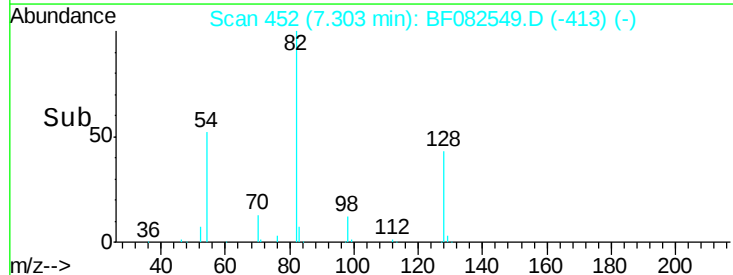
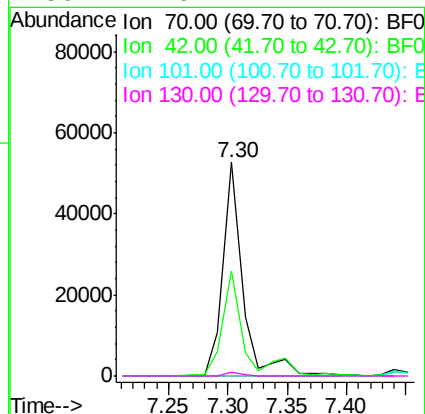
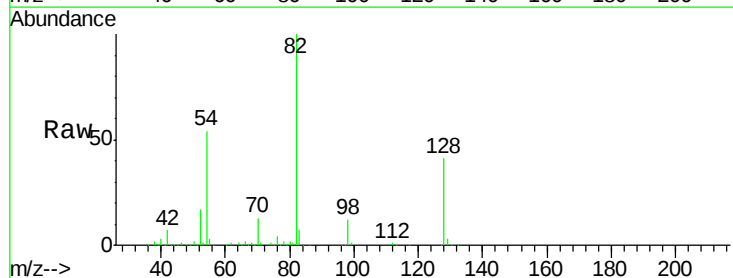
Instrument :
BNA_F
ClientSampleId :
CLEARWELL

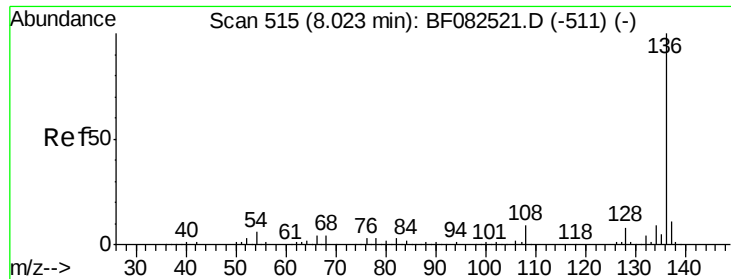
Tgt Ion:107 Resp: 816554
Ion Ratio Lower Upper
107 100
108 28.5 89.4 134.2#
77 97.7 44.8 67.2#
79 169.7 42.1 63.1#



#19
n-Nitroso-di-n-propylamine
Concen: 13.83 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.15 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

Tgt Ion: 70 Resp: 61204
Ion Ratio Lower Upper
70 100
42 49.4 46.9 70.3
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#

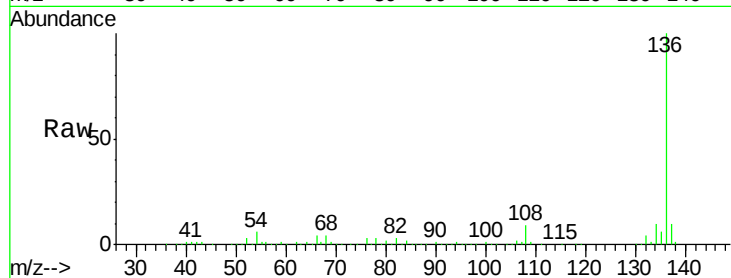




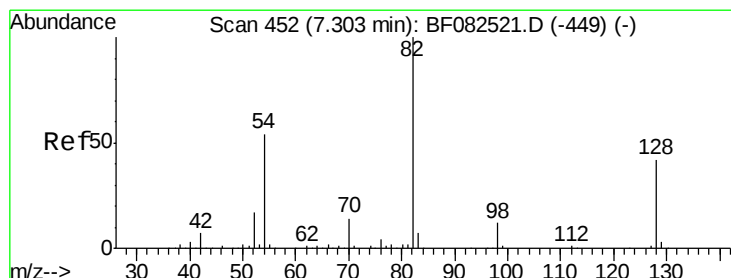
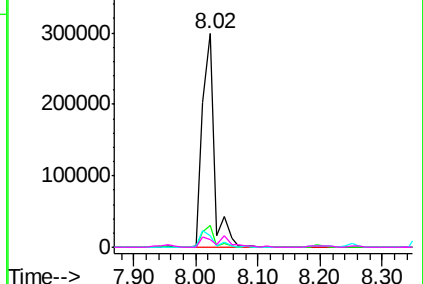
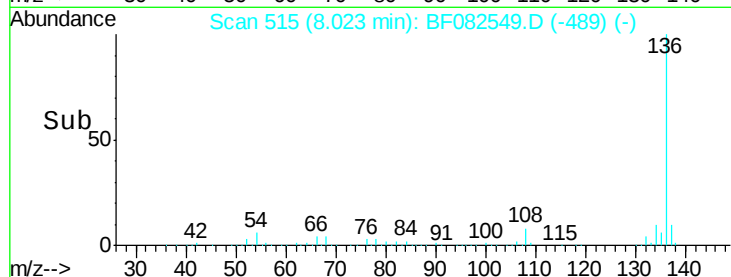
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

Instrument :
BNA_F
ClientSampleId :
CLEARWELL

Tgt Ion:	136	Resp:	401989
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	5.7	4.6	7.0
68	3.9	3.2	4.8

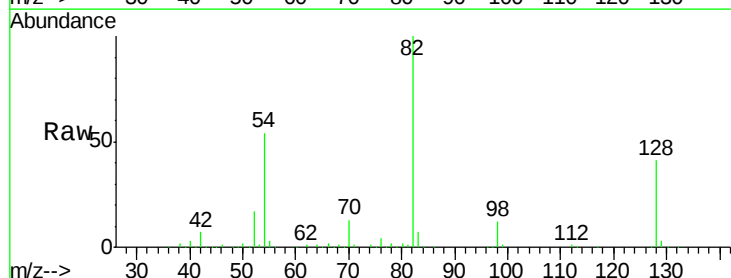


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

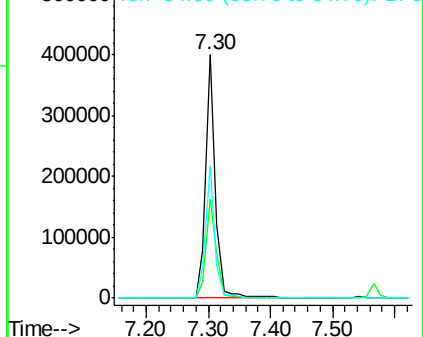
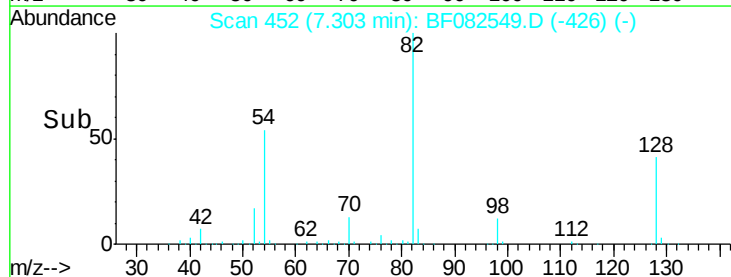


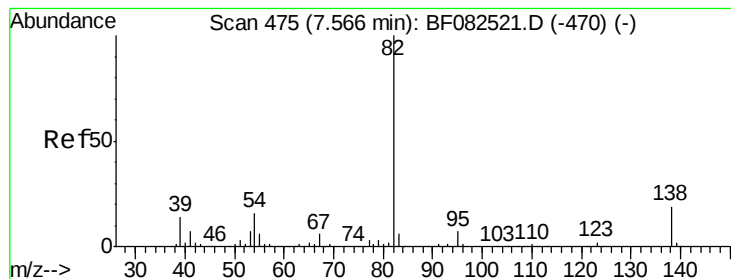
#23
Nitrobenzene-d5
Concen: 71.32 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF082549.D
Acq: 27 Oct 2015 13:58

Tgt Ion:	82	Resp:	444430
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	54.4	43.5	65.3



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: 30.78 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.26 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

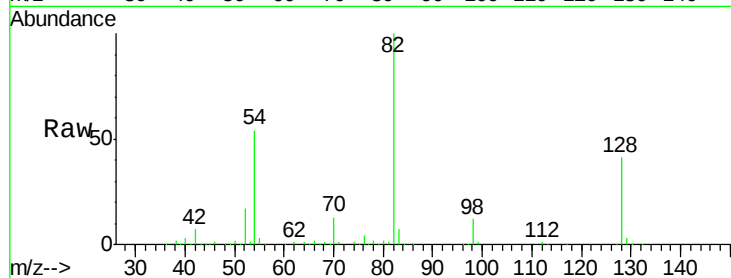
Tgt Ion: 82 Resp: 381089

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

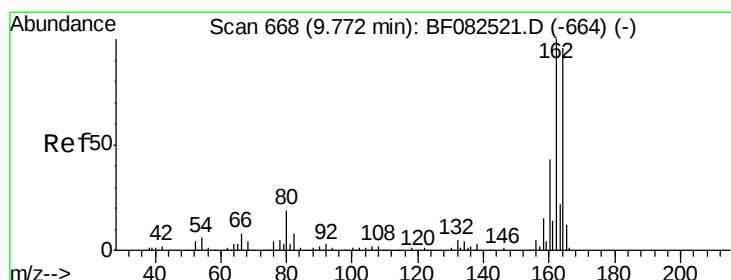
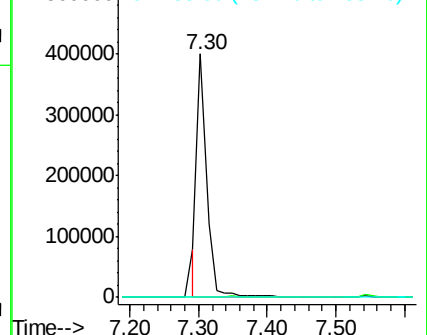
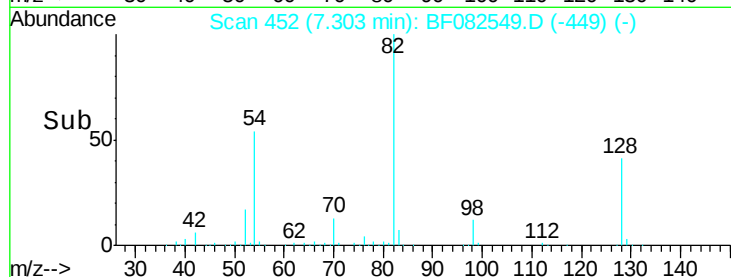
138 0.0 15.0 22.4#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

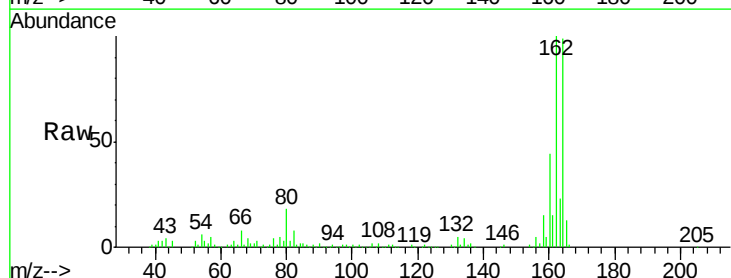
Tgt Ion: 164 Resp: 161001

Ion Ratio Lower Upper

164 100

162 101.2 83.6 125.4

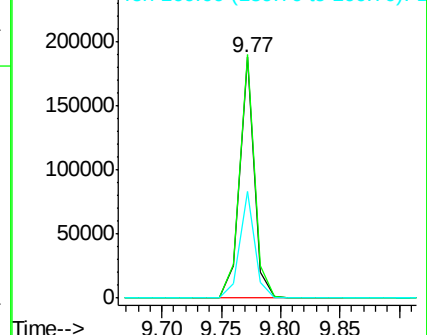
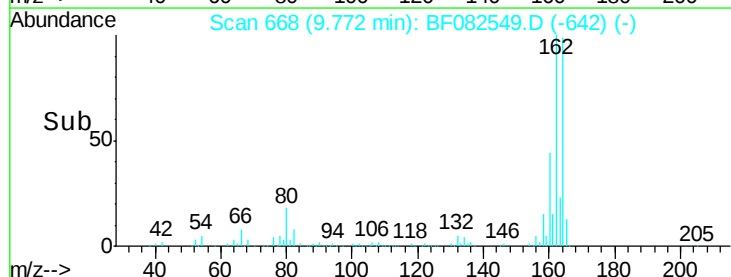
160 44.5 36.0 54.0

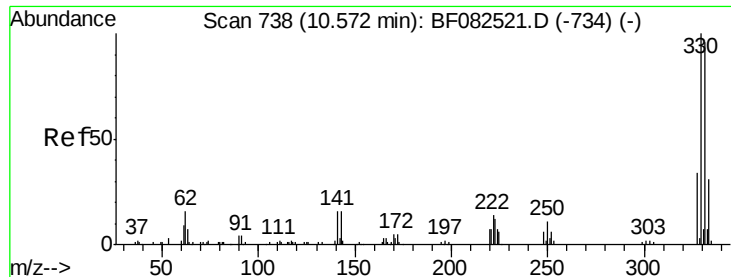


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

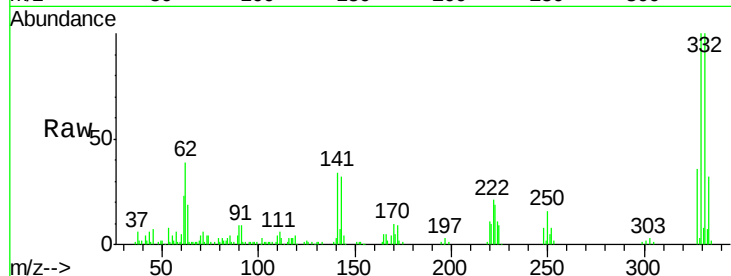




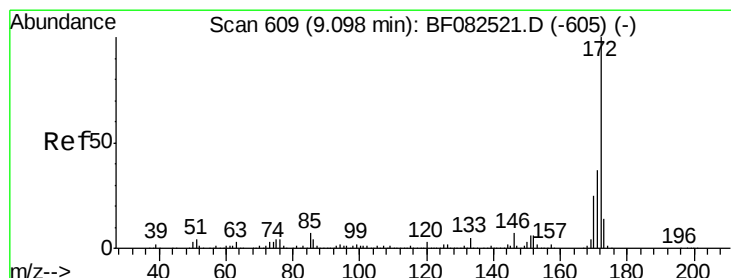
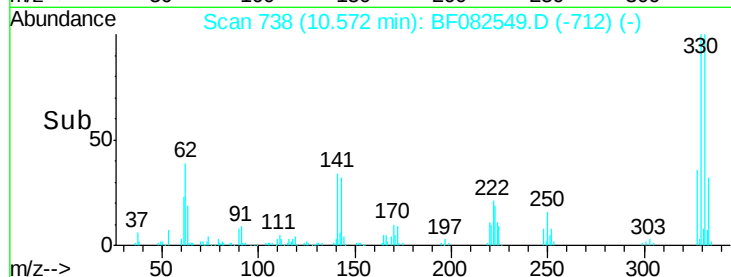
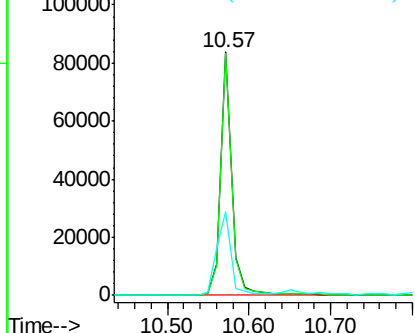
#41
 2,4,6-Tribromophenol
 Concen: 66.24 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082549.D
 Acq: 27 Oct 2015 13:58

Instrument :
 BNA_F
 ClientSampleId :
 CLEARWELL

Tgt Ion:330 Resp: 79856
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.4 116.0
 141 43.6 32.5 48.7

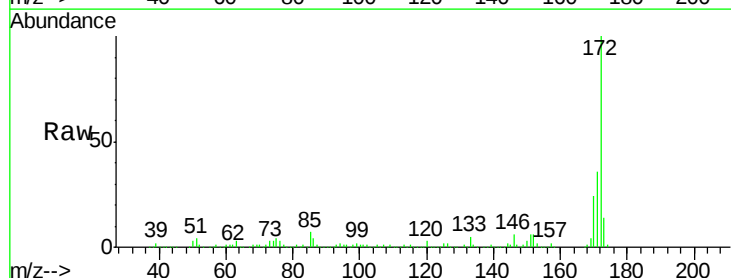


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

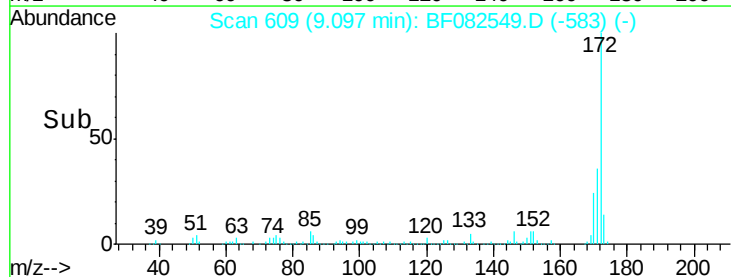
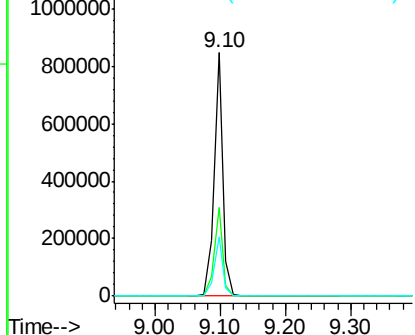


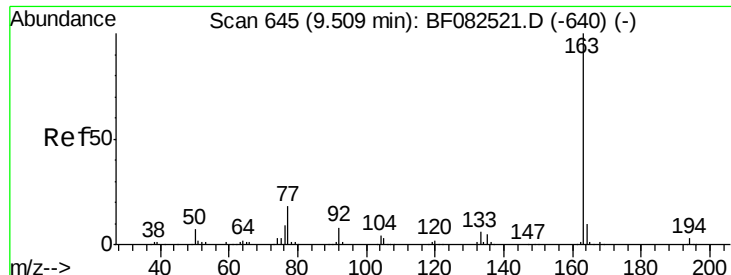
#44
 2-Fluorobiphenyl
 Concen: 80.23 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082549.D
 Acq: 27 Oct 2015 13:58

Tgt Ion:172 Resp: 812302
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.3 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





#49

Dimethylphthalate

Concen: 2.38 ng

RT: 9.50 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

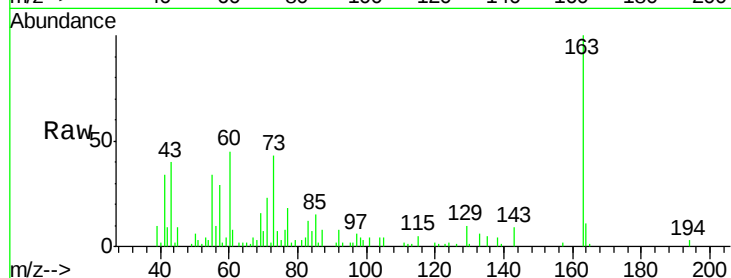
Tgt Ion:163 Resp: 26641

Ion Ratio Lower Upper

163 100

194 2.7 2.8 4.2#

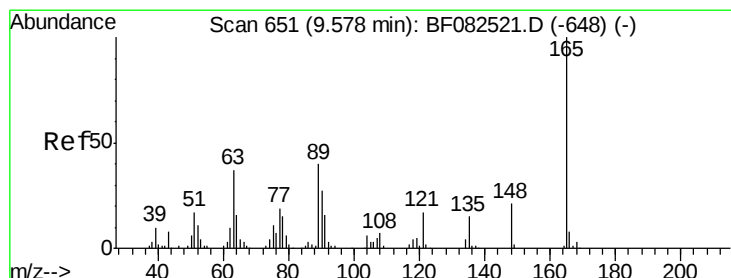
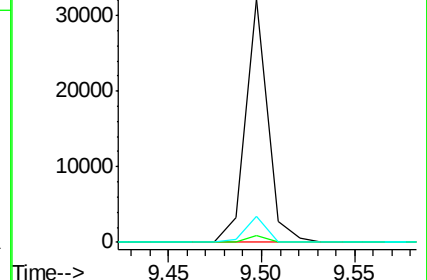
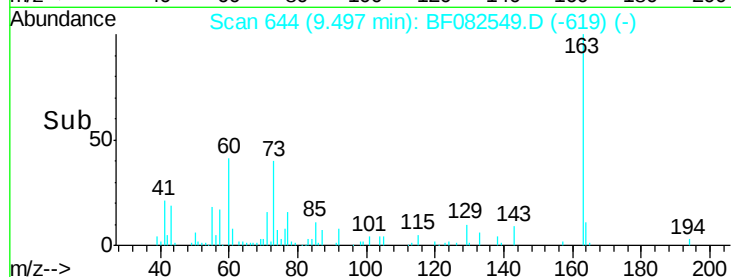
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.21 ng

RT: 9.77 min Scan# 668

Delta R.T. 0.19 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

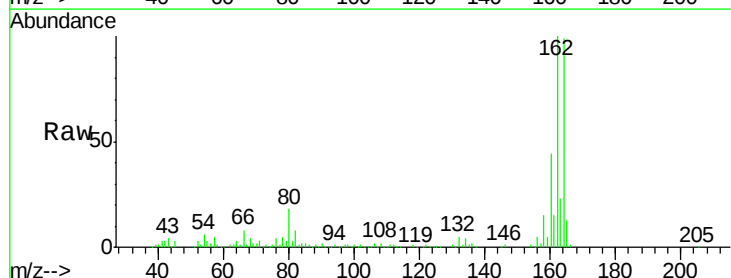
Tgt Ion:165 Resp: 20163

Ion Ratio Lower Upper

165 100

63 4.0 30.7 46.1#

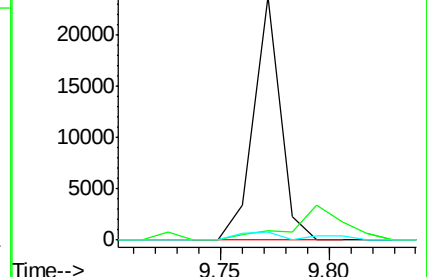
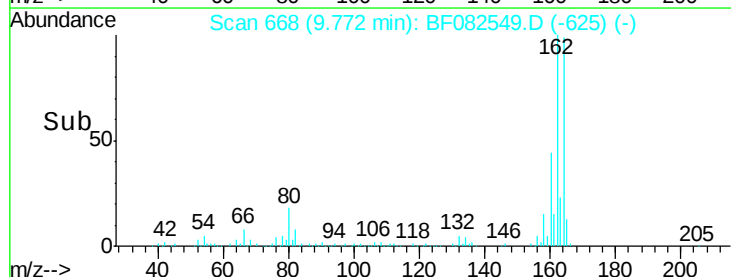
89 3.2 31.8 47.8#

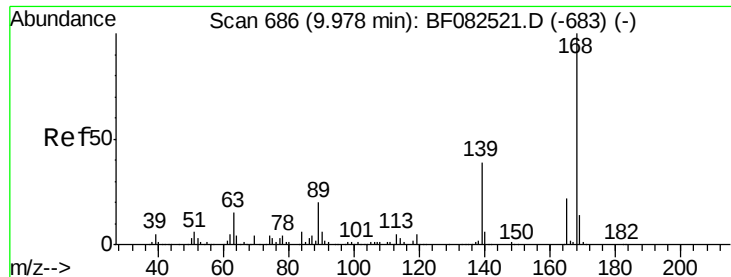


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

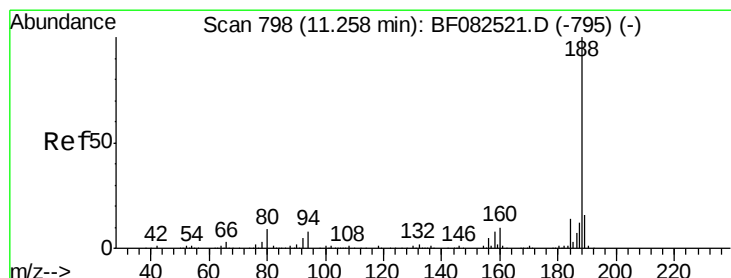
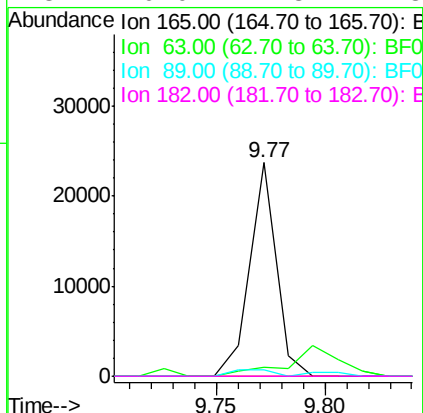
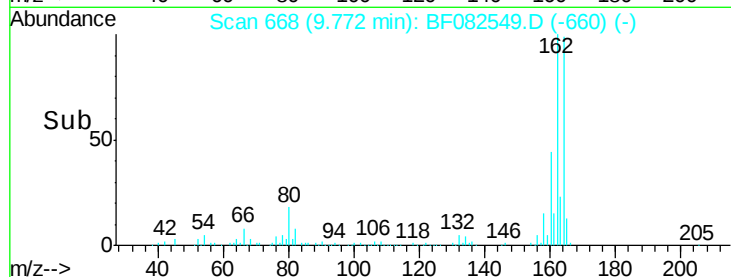
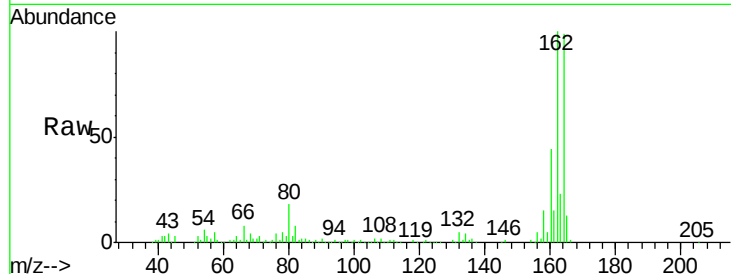




#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.77 min Scan# 668
 Delta R.T. -0.21 min
 Lab File: BF082549.D
 Acq: 27 Oct 2015 13:58

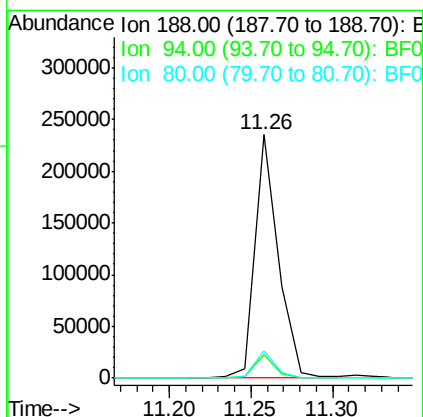
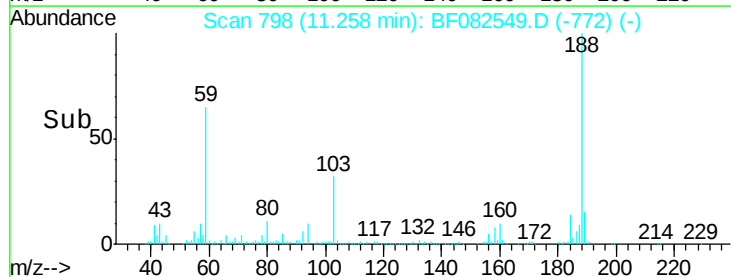
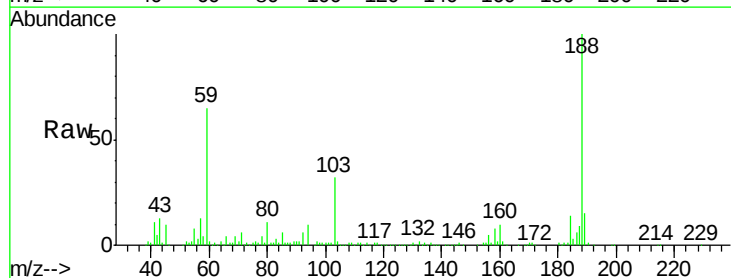
Instrument :
 BNA_F
 ClientSampleId :
 CLEARWELL

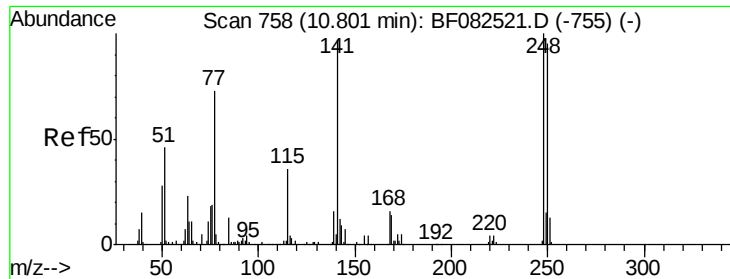
Tgt Ion:165 Resp: 20163
 Ion Ratio Lower Upper
 165 100
 63 4.0 58.6 88.0#
 89 3.2 72.3 108.5#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF082549.D
 Acq: 27 Oct 2015 13:58

Tgt Ion:188 Resp: 235657
 Ion Ratio Lower Upper
 188 100
 94 9.5 6.4 9.6
 80 11.2 7.0 10.6#





#66

4-Bromophenyl-phenylether

Concen: 2.66 ng

RT: 10.57 min Scan# 738

Delta R.T. -0.23 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

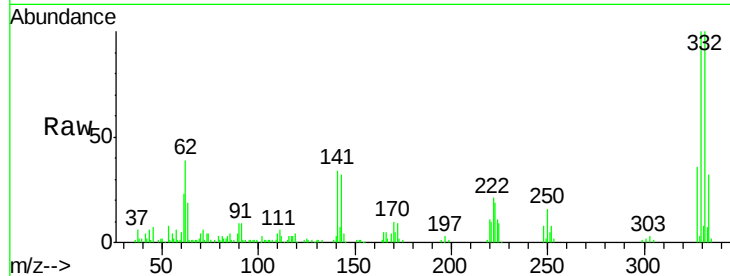
Tgt Ion:248 Resp: 5884

Ion Ratio Lower Upper

248 100

250 206.7 76.0 114.0#

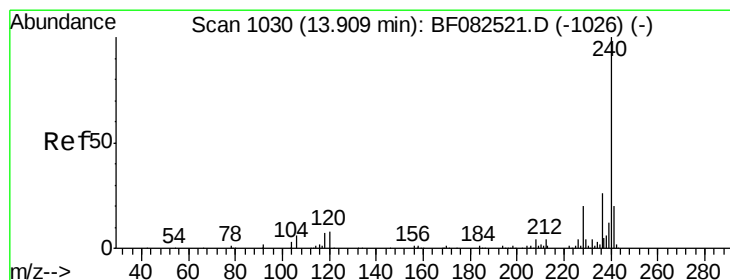
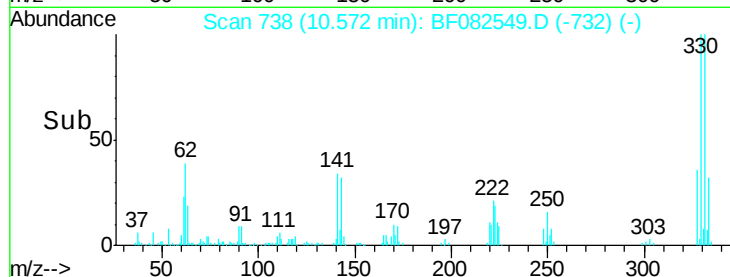
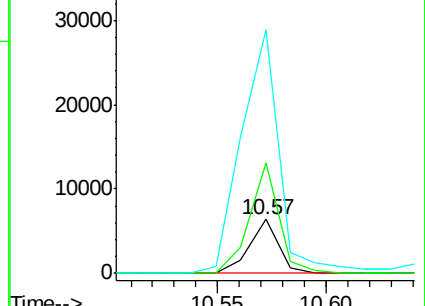
141 453.4 77.5 116.3#



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# 1032

Delta R.T. 0.02 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

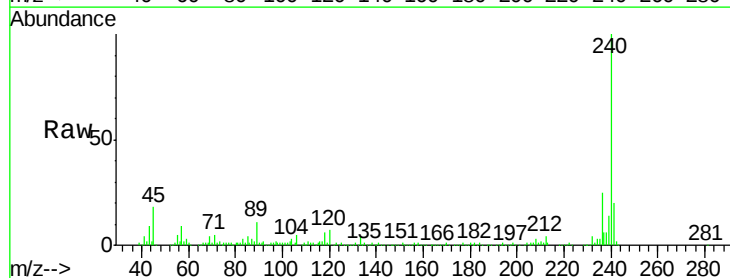
Tgt Ion:240 Resp: 258634

Ion Ratio Lower Upper

240 100

120 6.6 6.5 9.7

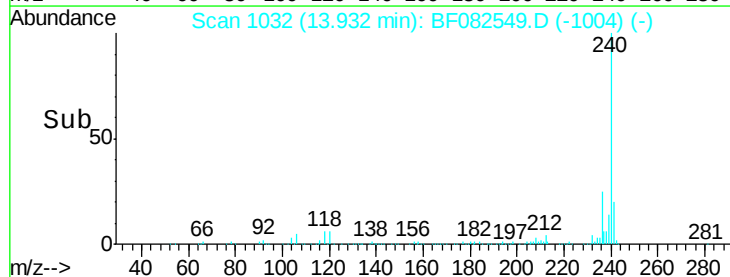
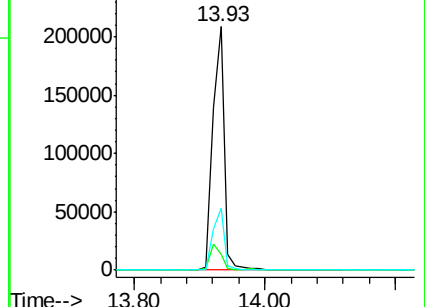
236 25.5 20.5 30.7

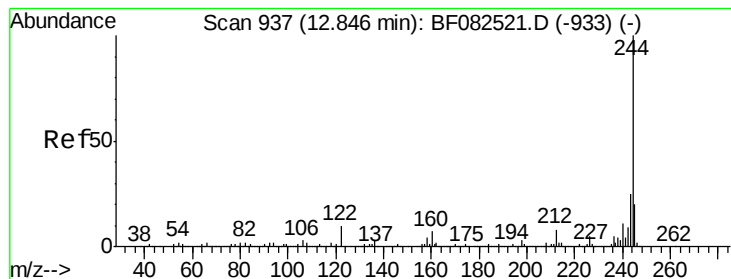


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 43.73 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

Instrument :

BNA_F

ClientSampleId :

CLEARWELL

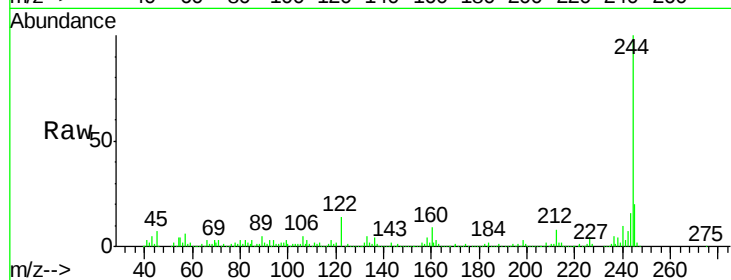
Tgt Ion:244 Resp: 392579

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

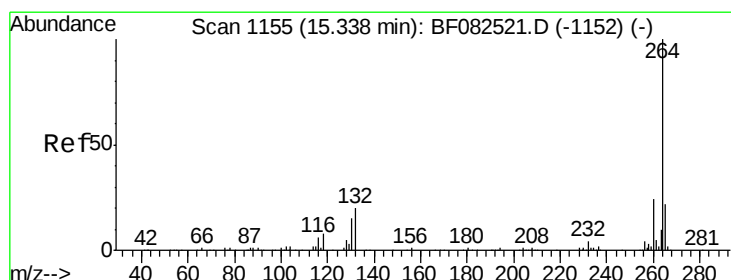
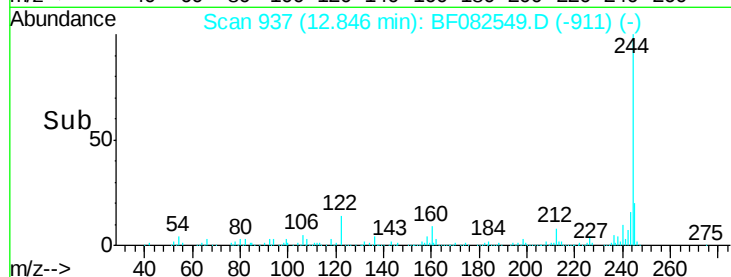
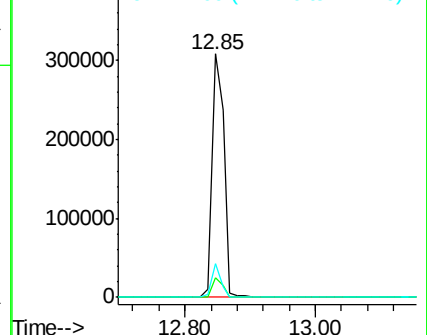
122 14.0 8.1 12.1#



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: 15.40 min Scan# 1160

Delta R.T. 0.06 min

Lab File: BF082549.D

Acq: 27 Oct 2015 13:58

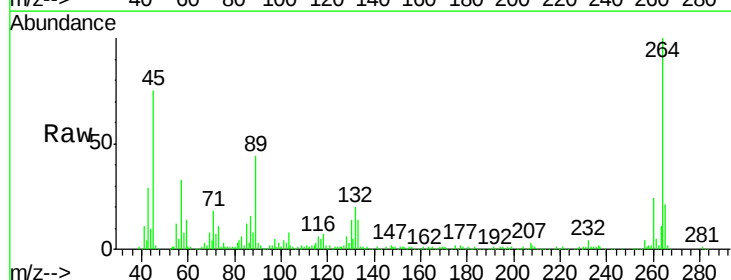
Tgt Ion:264 Resp: 195327

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.5 17.8 26.6



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

