

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082296.D
 Acq On : 15 Oct 2015 8:41
 Operator : UM/IZ
 Sample : G4016-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Quant Time: Oct 16 01:05:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

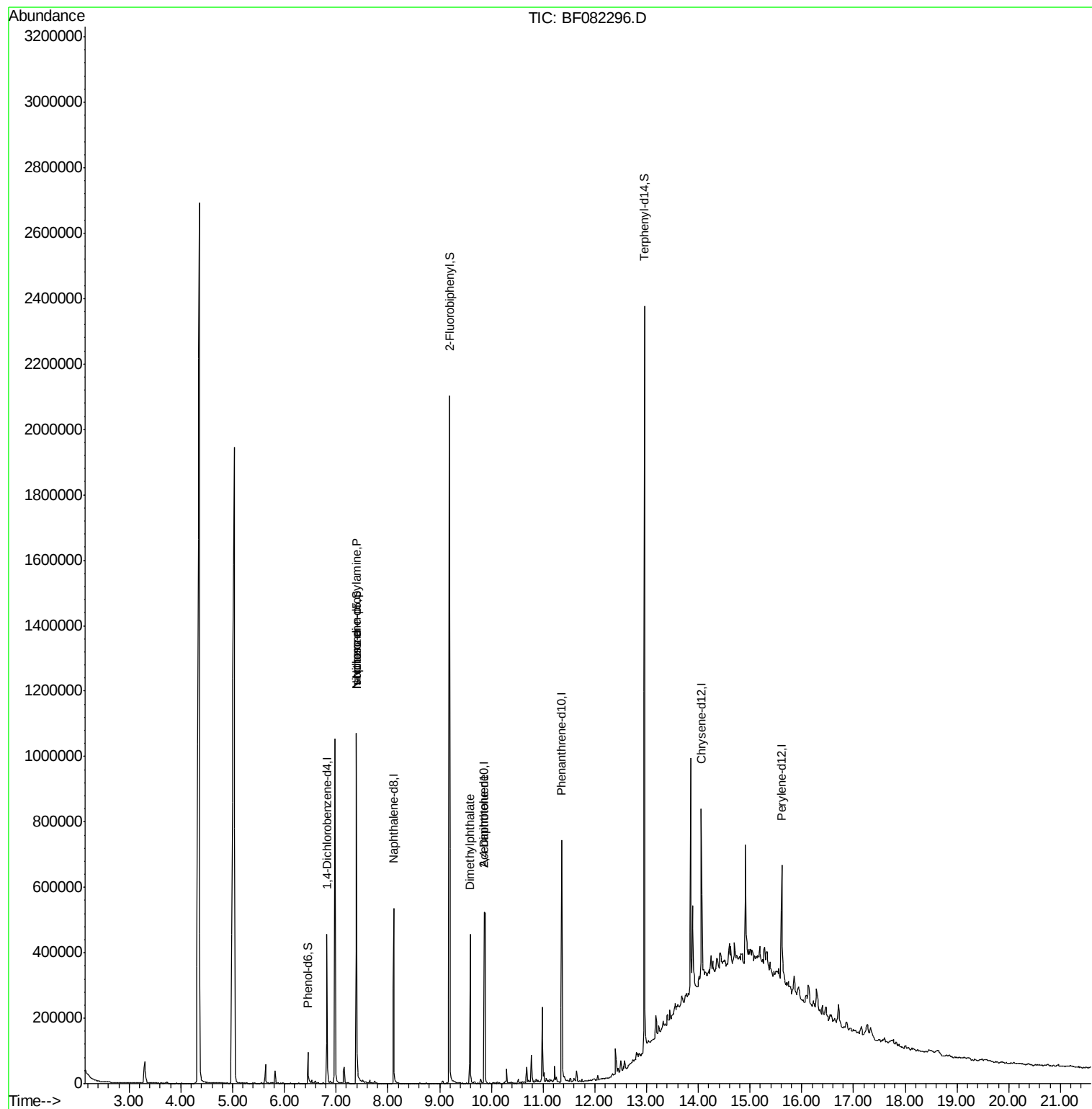
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	82096	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	321513	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	166122	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	324231	20.00	ng	0.00
75) Chrysene-d12	14.06	240	245905	20.00	ng	-0.03
86) Perylene-d12	15.61	264	196496	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	641	0.16	ng	0.01
7) Phenol-d6	6.46	99	48342	9.13	ng	-0.01
23) Nitrobenzene-d5	7.39	82	414333	86.54	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.19	172	777316	77.60	ng	-0.01
78) Terphenyl-d14	12.96	244	878657	94.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	53690	14.44	ng	# 76
25) Isophorone	7.39	82	300063	31.05	ng	# 66
49) Dimethylphthalate	9.59	163	189775	16.22	ng	98
56) 2,4-Dinitrotoluene	9.86	165	20796	6.74	ng	# 22

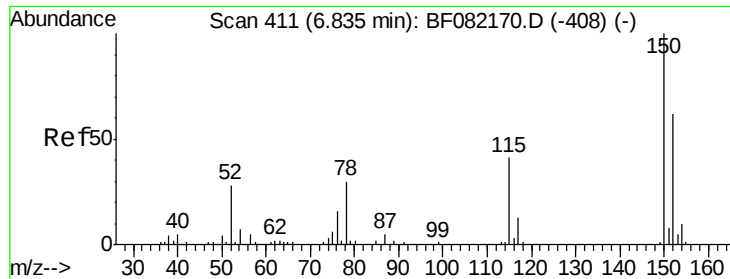
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampleId :

CS-8

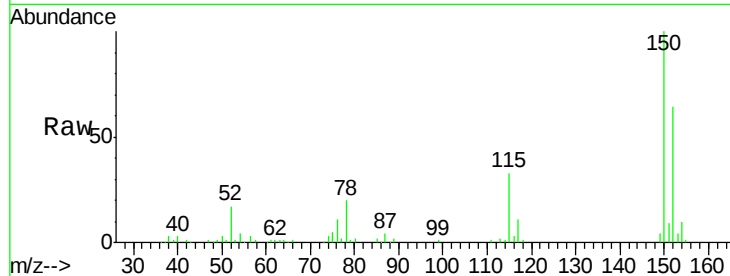
Tot Ion:152 Resp: 82096

Ion Ratio Lower Upper

152 100

150 157.0 129.0 193.4

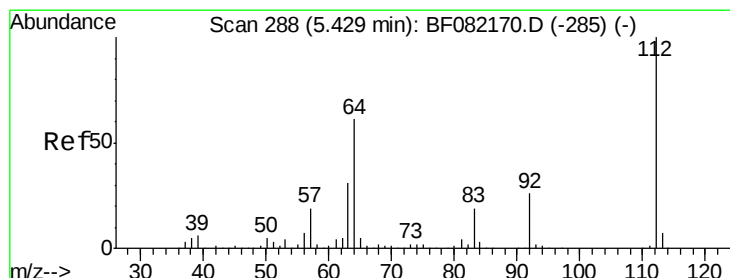
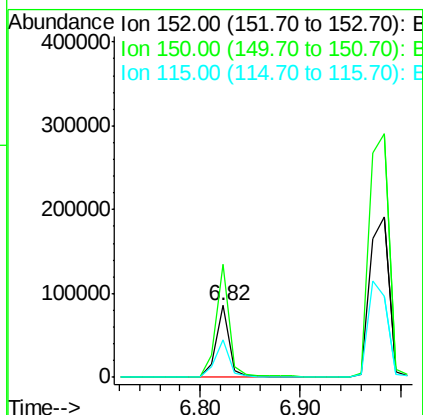
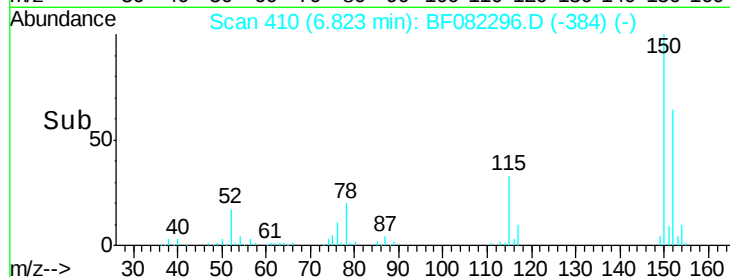
115 52.3 52.1 78.1



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: 0.16 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

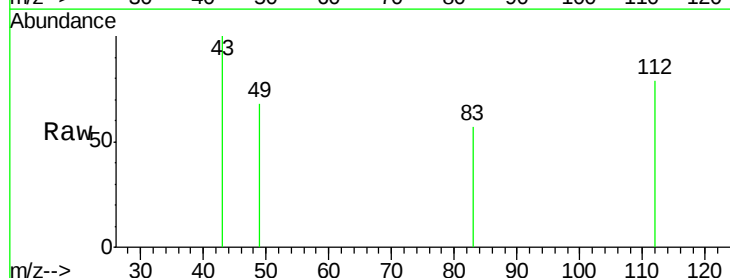
Tgt Ion:112 Resp: 641

Ion Ratio Lower Upper

112 100

64 0.0 48.6 73.0#

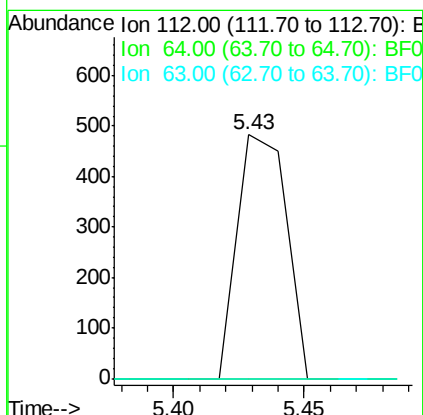
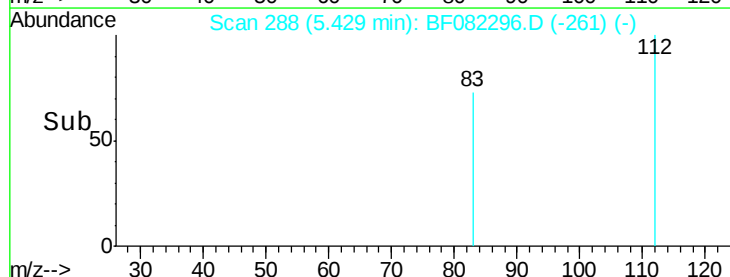
63 0.0 25.1 37.7#

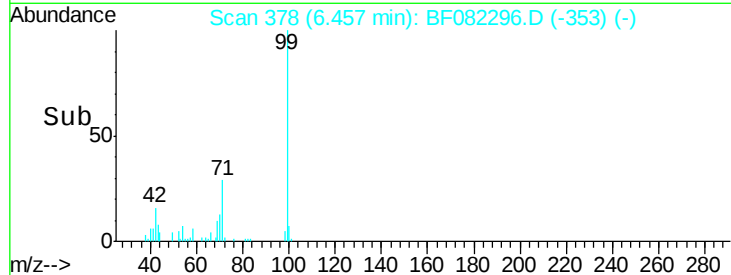
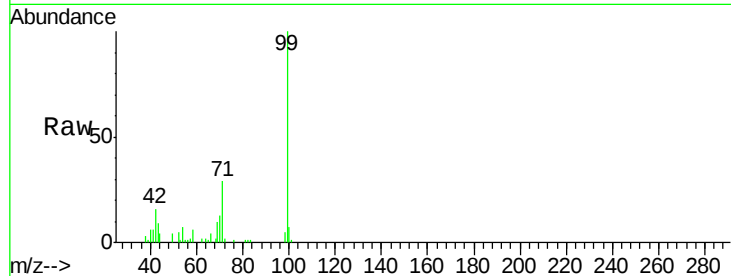
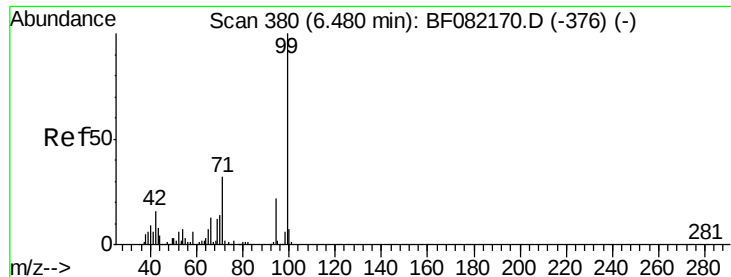


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.13 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampled :

CS-8

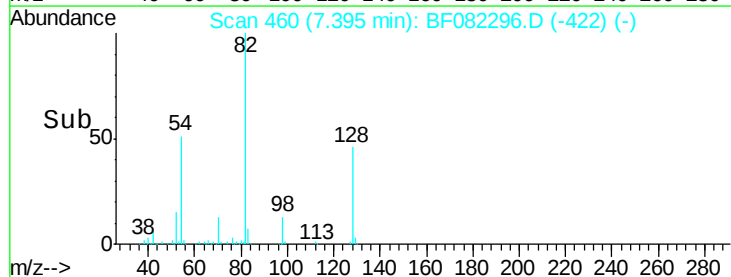
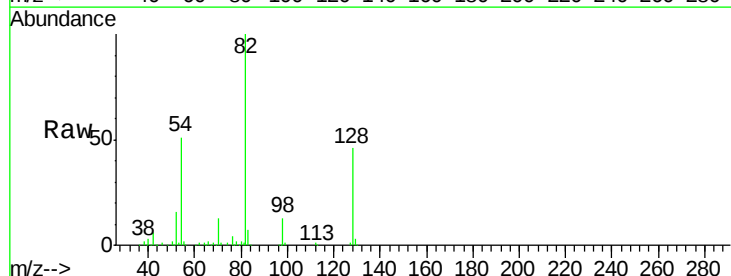
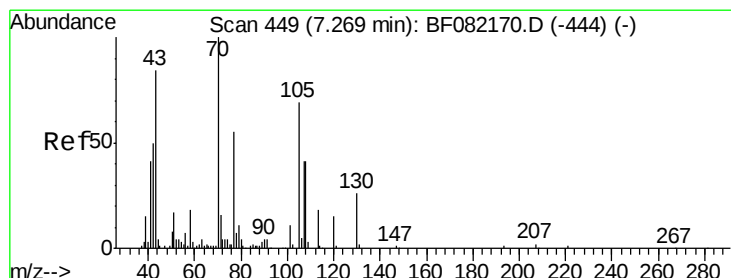
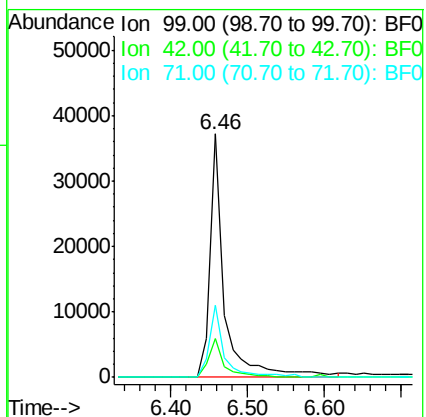
Tot Ion: 99 Resp: 48342

Ion Ratio Lower Upper

99 100

42 15.9 13.2 19.8

71 29.5 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.44 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Tgt Ion: 70 Resp: 53690

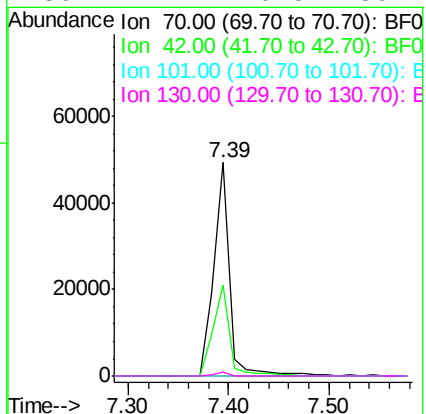
Ion Ratio Lower Upper

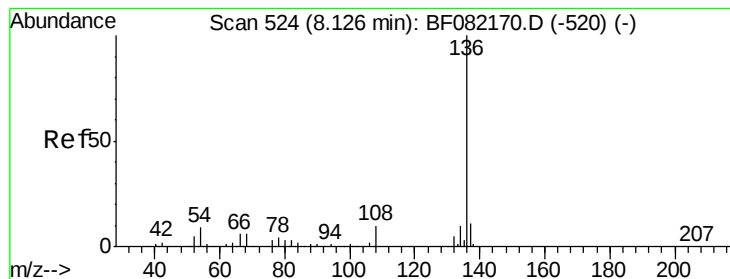
70 100

42 42.4 39.8 59.8

101 0.0 8.6 13.0#

130 2.1 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampled :

CS-8

Tot Ion:136 Resp: 321513

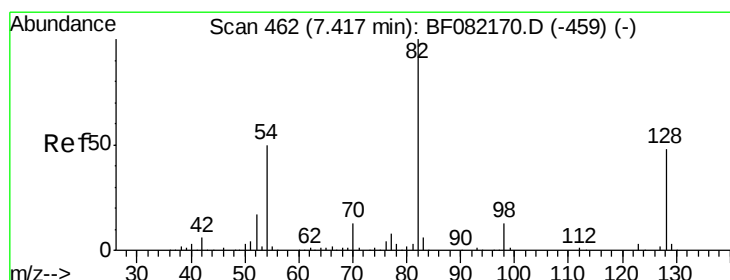
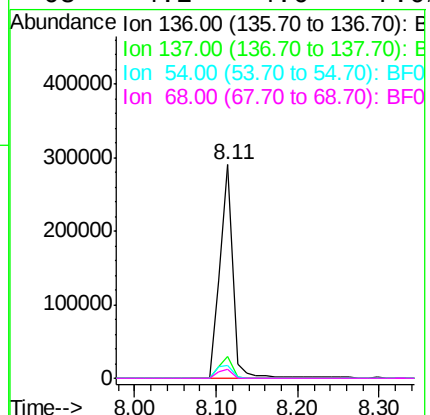
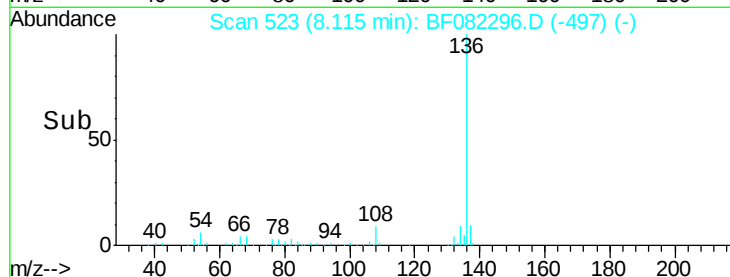
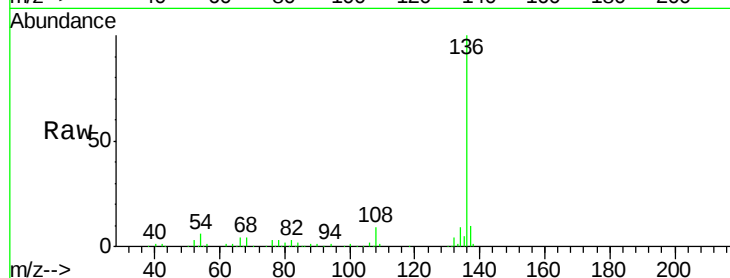
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 6.1 7.5 11.3#

68 4.2 4.6 7.0#



#23

Nitrobenzene-d5

Concen: 86.54 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

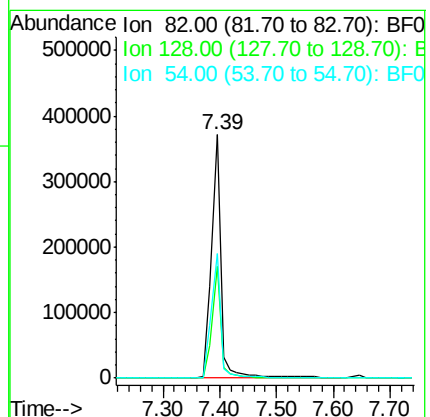
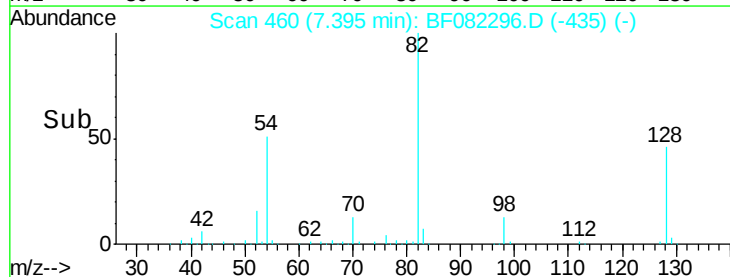
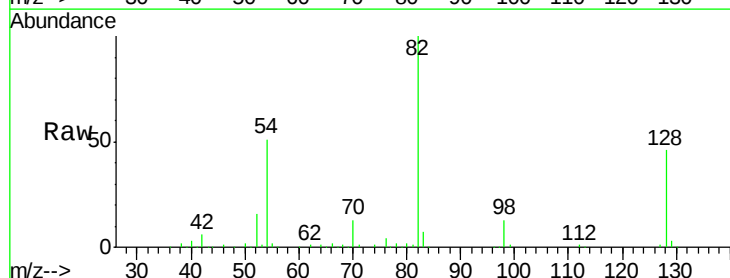
Tgt Ion: 82 Resp: 414333

Ion Ratio Lower Upper

82 100

128 46.1 38.7 58.1

54 51.0 40.1 60.1





#25

Isophorone

Concen: 31.05 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampled :

CS-8

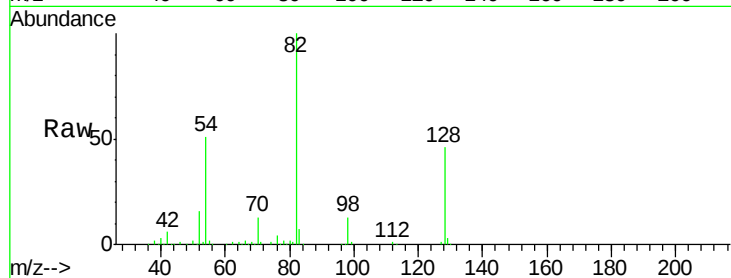
Tot Ion: 82 Resp: 300063

Ion Ratio Lower Upper

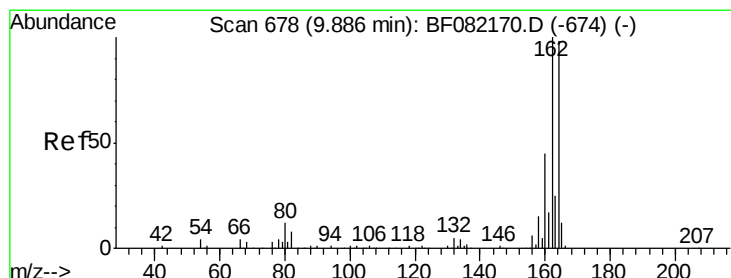
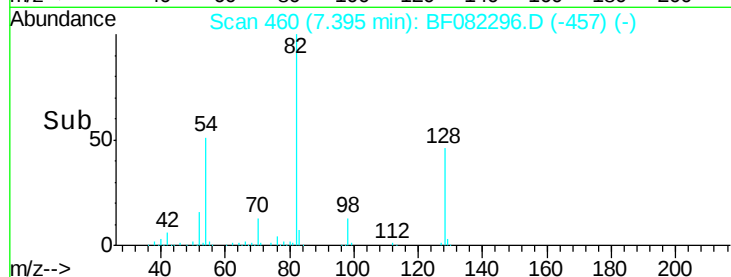
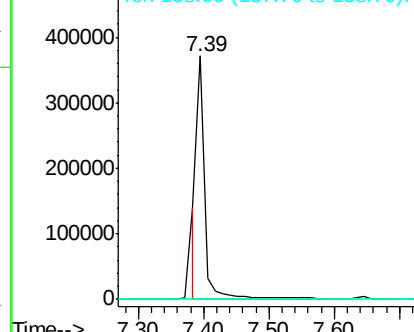
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



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: 9.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

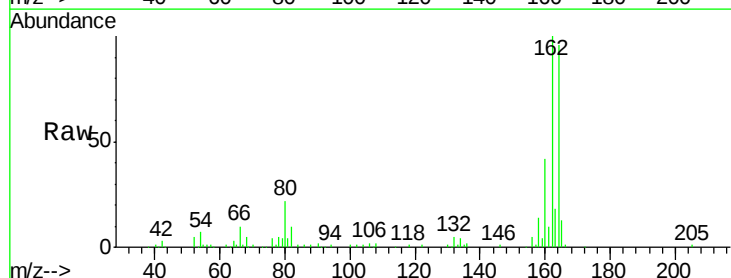
Tgt Ion: 164 Resp: 166122

Ion Ratio Lower Upper

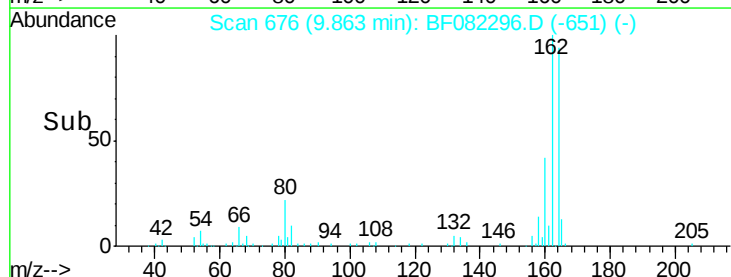
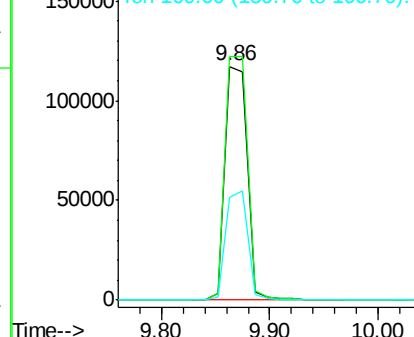
164 100

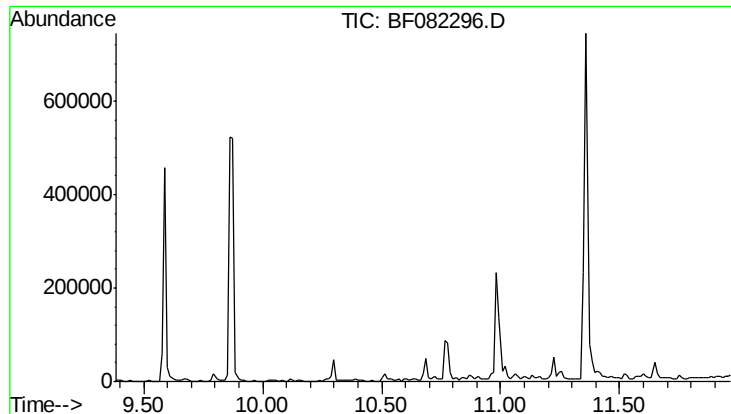
162 104.1 81.6 122.4

160 44.1 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BF0
Ion 162.00 (161.70 to 162.70): BF0
Ion 160.00 (159.70 to 160.70): BF0

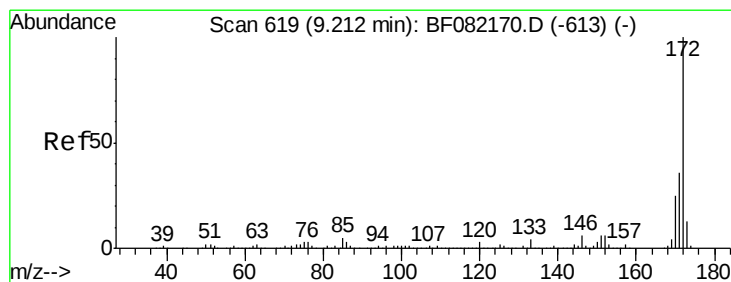
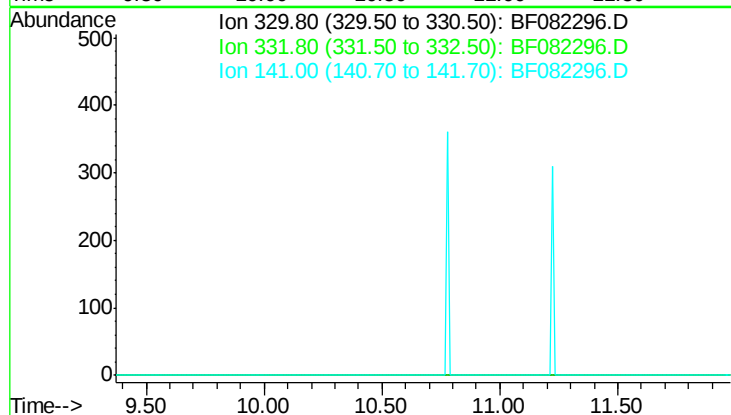




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.67 min
 Lab File: BF082296.D
 Acq: 15 Oct 2015 8:41

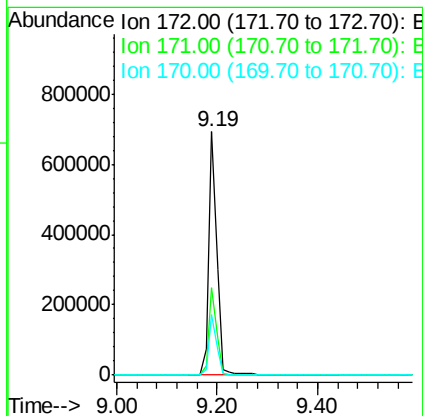
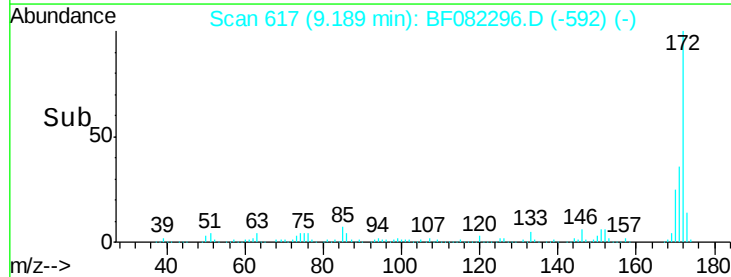
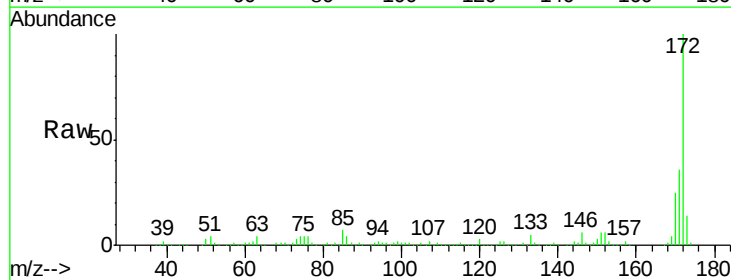
Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.4
 141 37.3



#44
 2-Fluorobiphenyl
 Concen: 77.60 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082296.D
 Acq: 15 Oct 2015 8:41

Tgt Ion: 172 Resp: 777316
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 42.8
 170 24.7 19.7 29.5

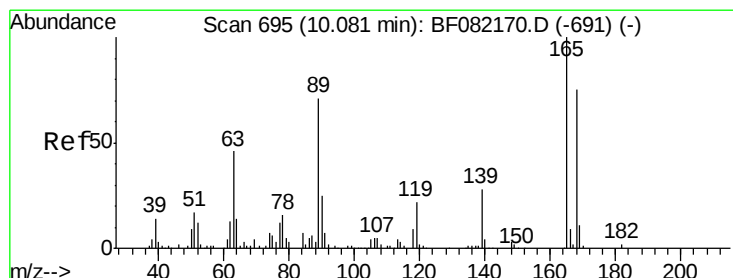
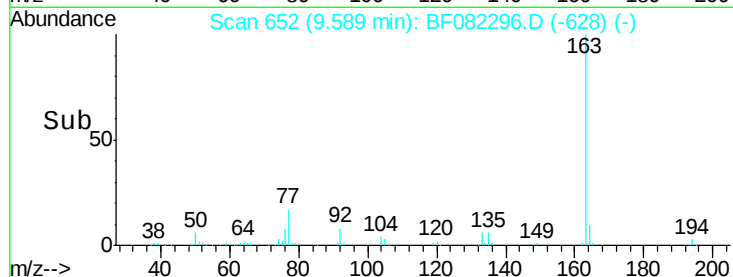
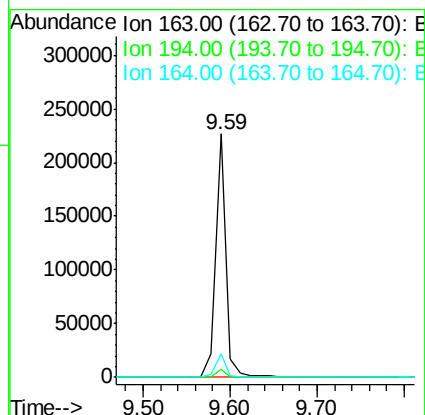
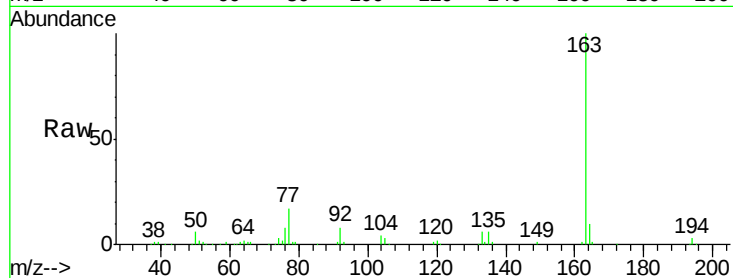




#49
Dimethylphthalate
Concen: 16.22 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF082296.D
Acq: 15 Oct 2015 8:41

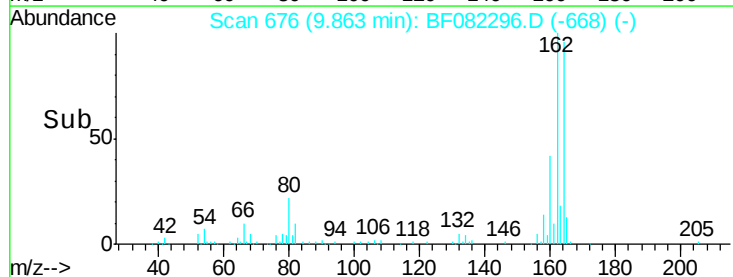
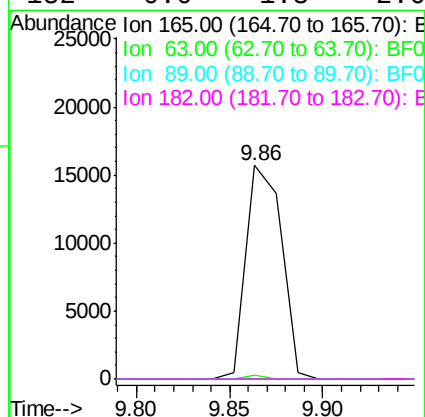
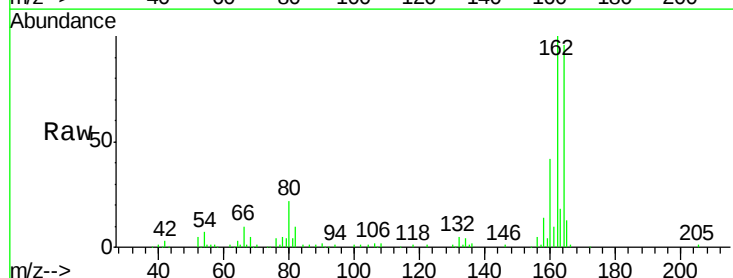
Instrument :
BNA_F
ClientSampleId :
CS-8

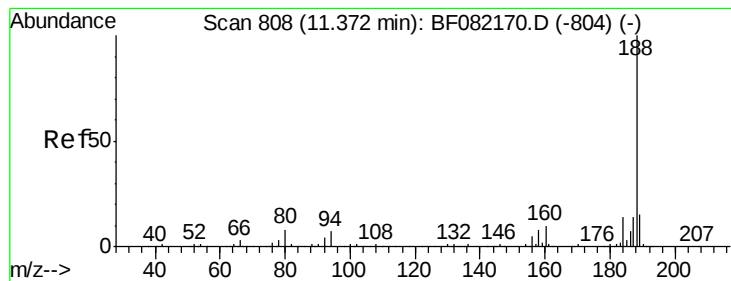
Tot Ion:163 Resp: 189775
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.8 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 6.74 ng
RT: 9.86 min Scan# 676
Delta R.T. -0.21 min
Lab File: BF082296.D
Acq: 15 Oct 2015 8:41

Tgt Ion:165 Resp: 20796
Ion Ratio Lower Upper
165 100
63 2.0 38.6 58.0#
89 0.0 57.0 85.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampleId :

CS-8

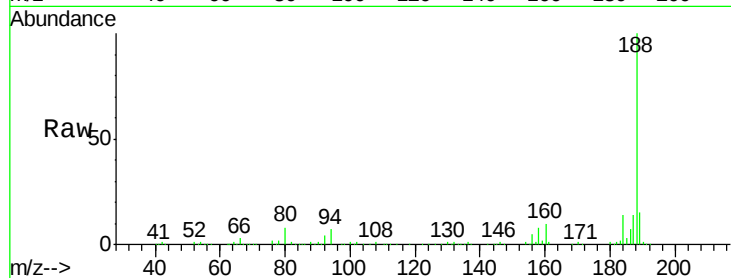
Tot Ion:188 Resp: 324231

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 7.7 6.4 9.6



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

11.36

400000

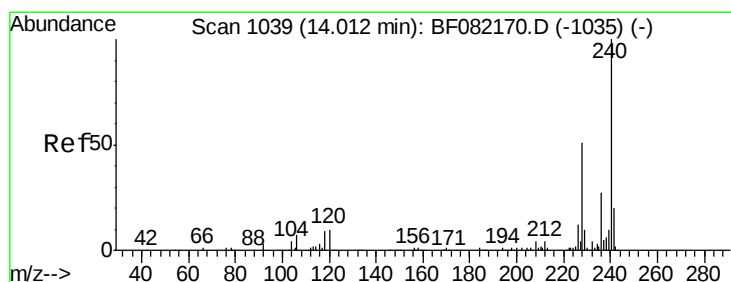
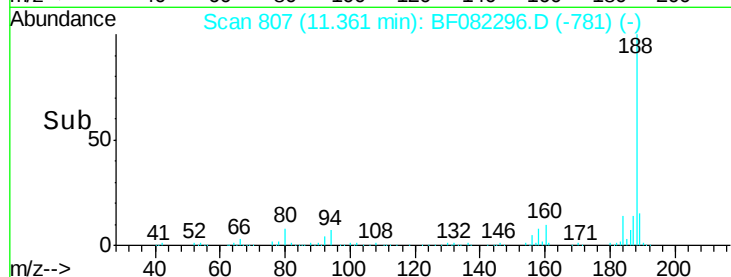
300000

200000

100000

0

Time--> 11.20 11.40 11.60



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

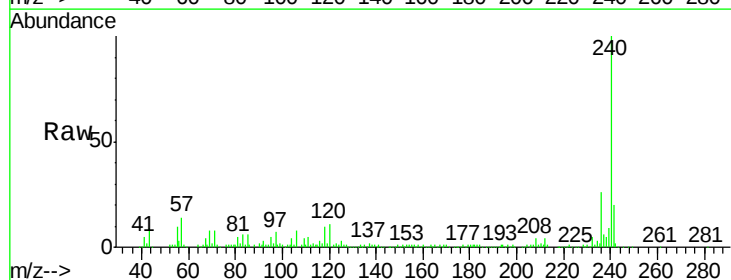
Tgt Ion:240 Resp: 245905

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

236 25.8 21.3 31.9



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

14.06

250000

200000

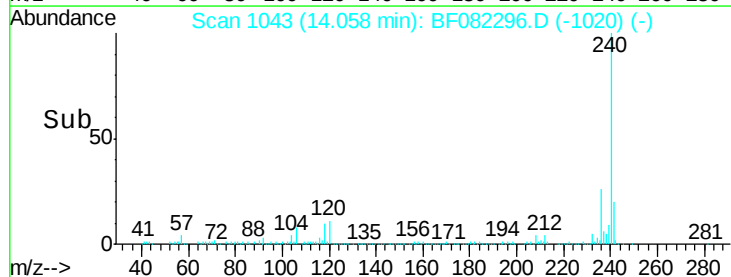
150000

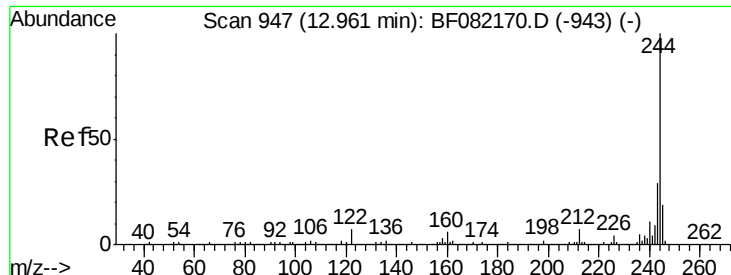
100000

50000

0

Time--> 14.00 14.20 14.40





#78

Terphenyl-d14

Concen: 94.69 ng

RT: 12.96 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

Instrument :

BNA_F

ClientSampleId :

CS-8

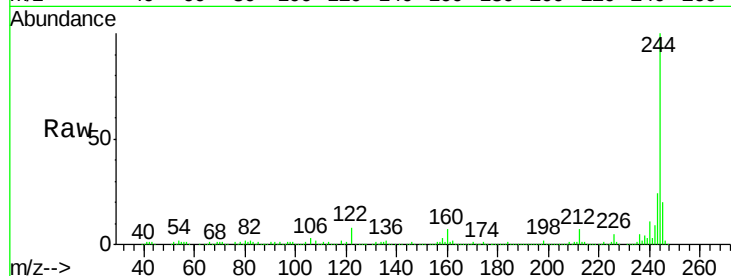
Tot Ion:244 Resp: 878657

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

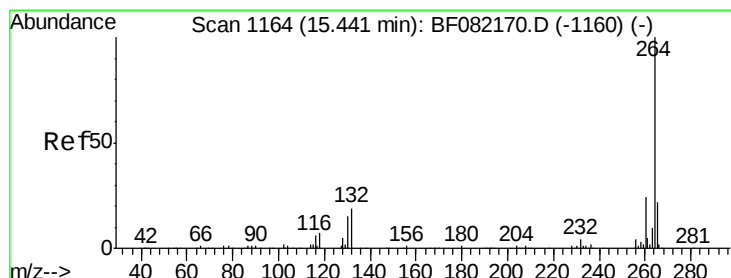
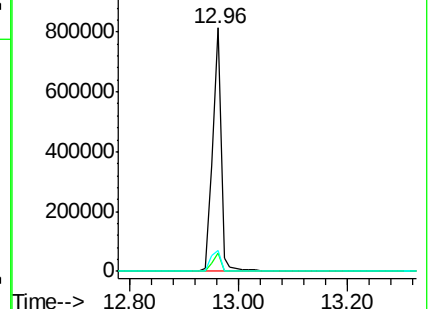
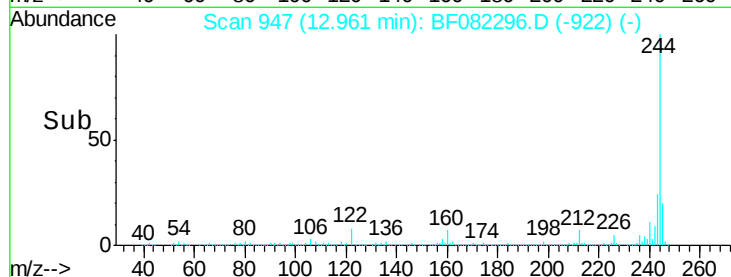
122 8.4 5.9 8.9



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: 15.61 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF082296.D

Acq: 15 Oct 2015 8:41

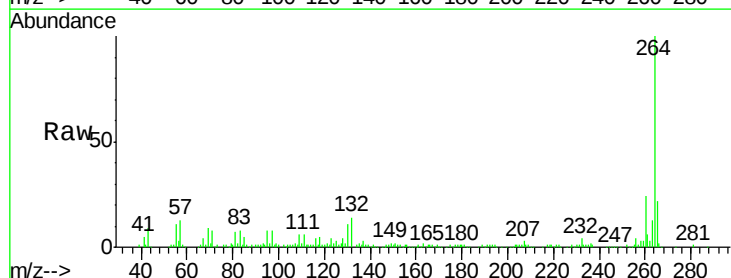
Tgt Ion:264 Resp: 196496

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.9 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

