

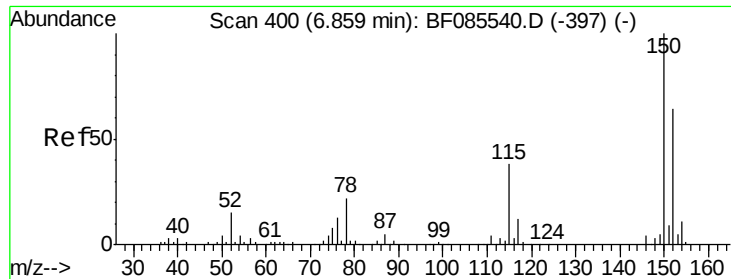
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085632.D
 Acq On : 21 Mar 2016 19:59
 Operator : UM/SJ
 Sample : H1841-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-WALL(3-5)

Quant Time: Mar 22 00:10:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112190	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	472556	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	191456	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	337210	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	238762	20.00	ng	-0.02
86) Perylene-d12	15.42	264	229389	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1031039	154.36	ng	0.00
7) Phenol-d6	6.48	99	1145231	133.69	ng	-0.01
23) Nitrobenzene-d5	7.41	82	695657	85.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	261127	139.24	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1069201	99.50	ng	-0.02
78) Terphenyl-d14	12.95	244	833945	84.05	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.48	77	1533	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	91637	17.91 ng	#	77
25) Isophorone	7.41	82	527738	32.38 ng	#	68
49) Dimethylphthalate	9.60	163	156719	10.85 ng		97
56) 2,4-Dinitrotoluene	9.88	165	24398	6.11 ng	#	36
66) 4-Bromophenyl-phenylether	10.66	248	15229	4.52 ng	#	1

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

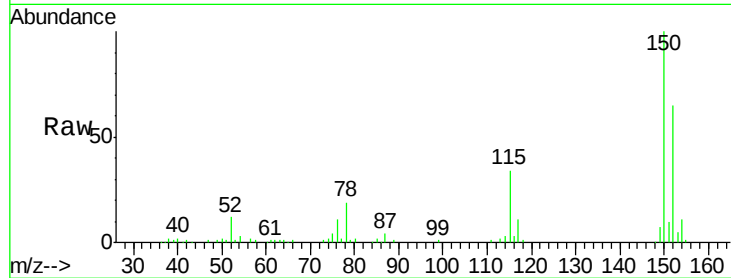


#1

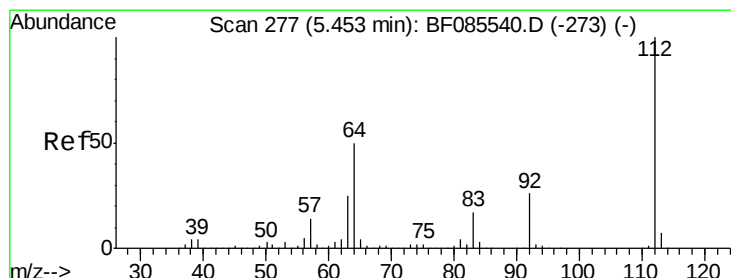
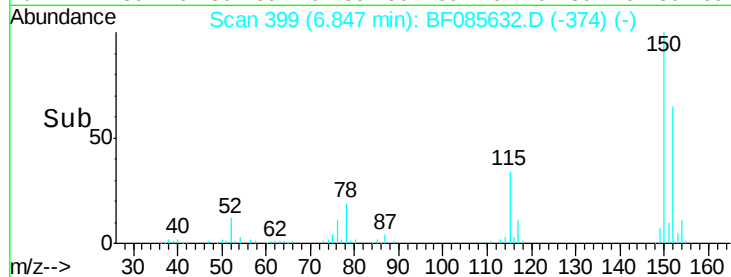
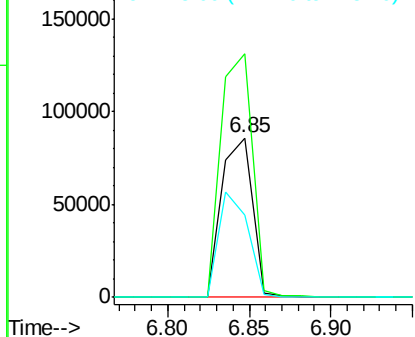
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085632.D
Acq: 21 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :
SOUTH-WALL(3-5)

Tgt Ion:152 Resp: 112190
Ion Ratio Lower Upper
152 100
150 153.0 124.2 186.2
115 52.1 47.0 70.6



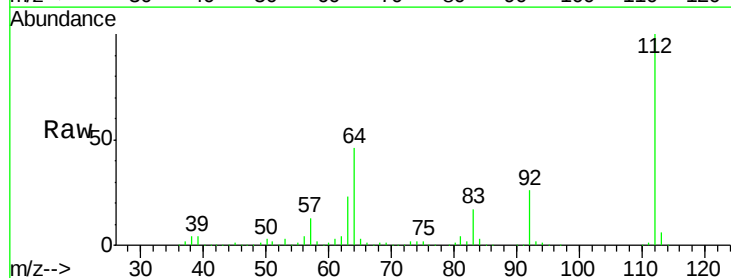
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



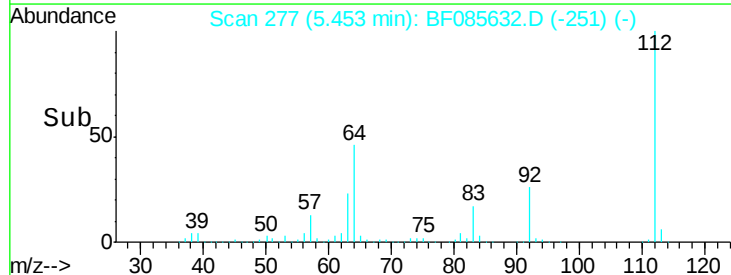
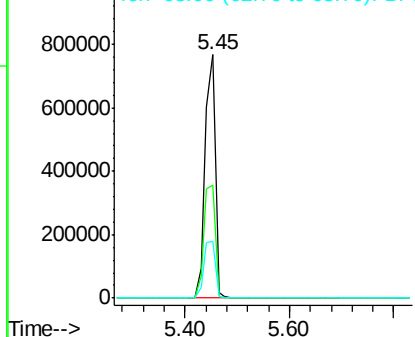
#5

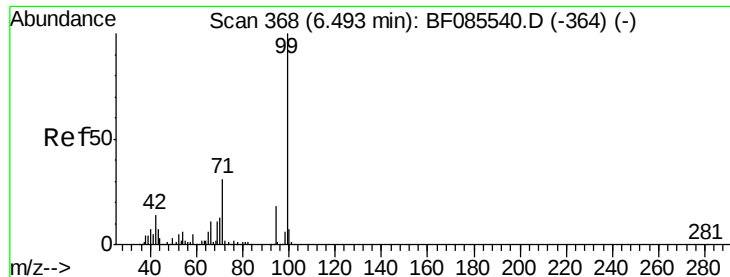
2-Fluorophenol
Concen: 154.36 ng
RT: 5.45 min Scan# 277
Delta R.T. 0.00 min
Lab File: BF085632.D
Acq: 21 Mar 2016 19:59

Tgt Ion:112 Resp: 1031039
Ion Ratio Lower Upper
112 100
64 46.4 39.9 59.9
63 23.5 20.2 30.2



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: 133.69 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

SOUTH-WALL(3-5)

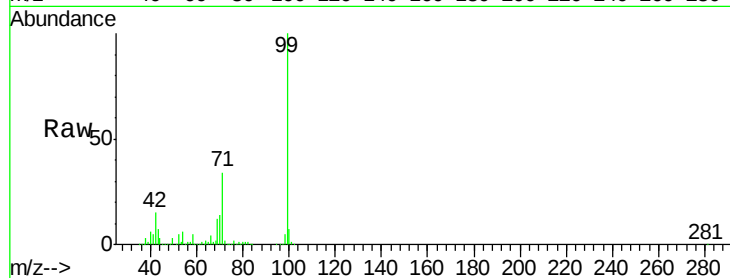
Tgt Ion: 99 Resp: 1145231

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

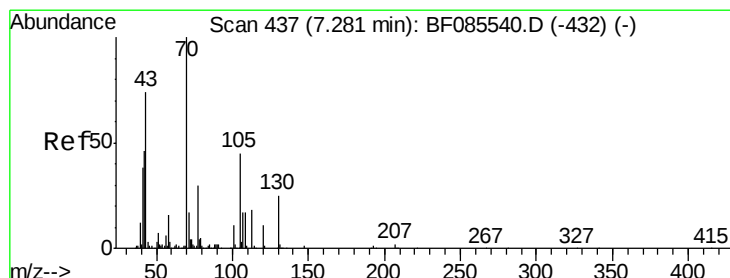
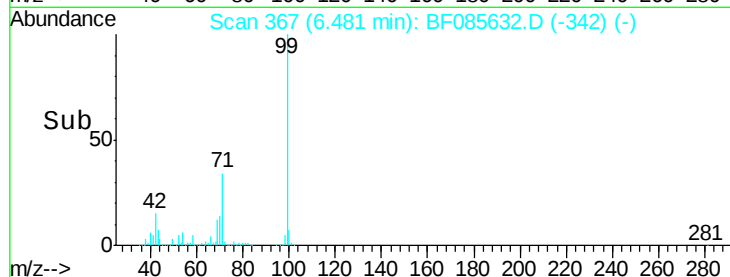
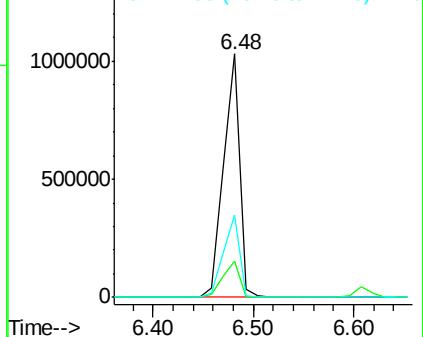
71 34.0 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.91 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

Tgt Ion: 70 Resp: 91637

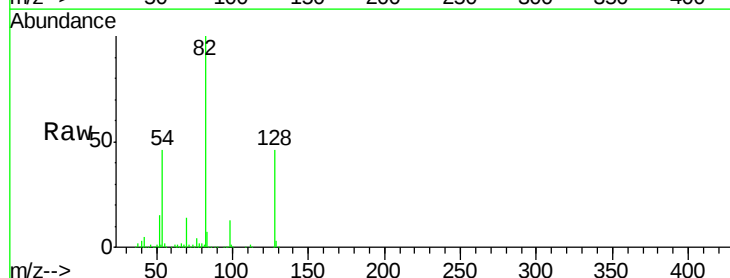
Ion Ratio Lower Upper

70 100

42 40.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

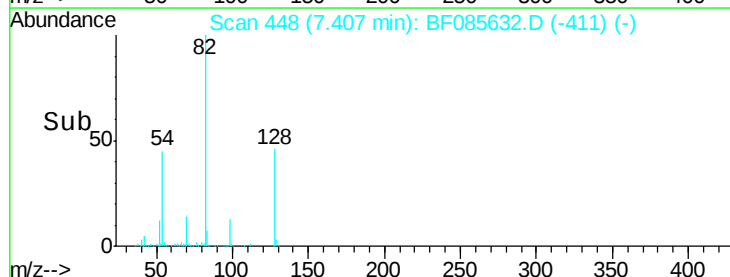
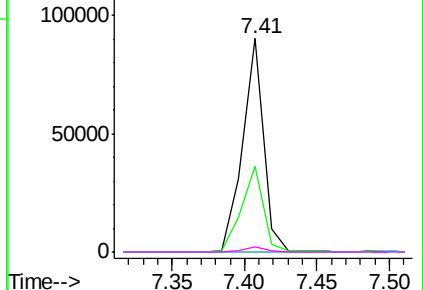


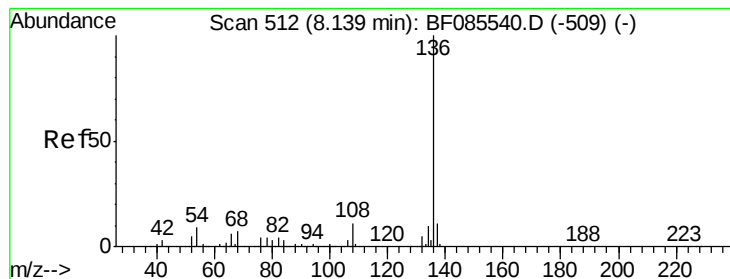
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

SOUTH-WALL(3-5)

Tgt Ion:136 Resp: 472556

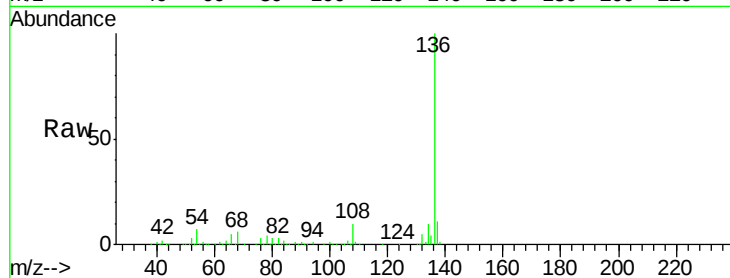
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.6 7.4 11.0#

68 5.5 5.8 8.8#

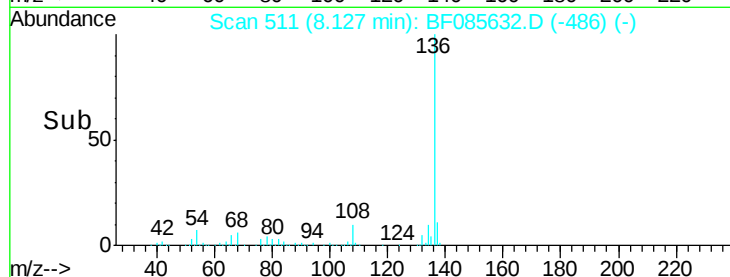


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

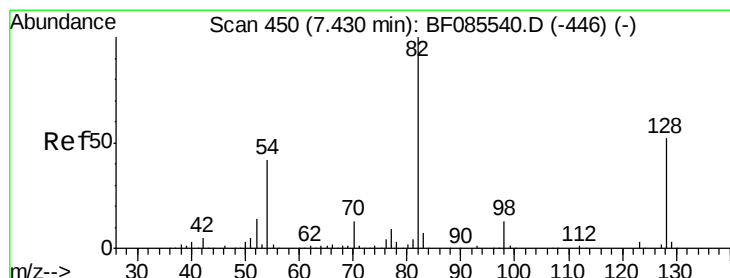
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.13



#23

Nitrobenzene-d5

Concen: 85.45 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

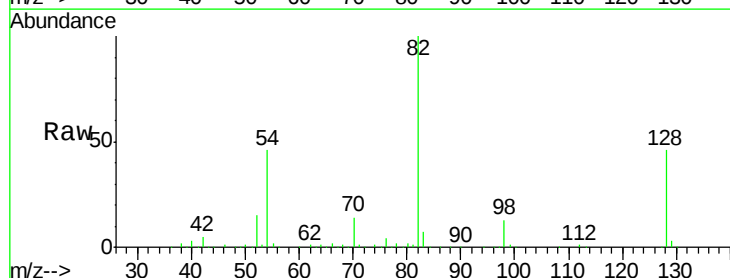
Tgt Ion: 82 Resp: 695657

Ion Ratio Lower Upper

82 100

128 46.0 41.8 62.8

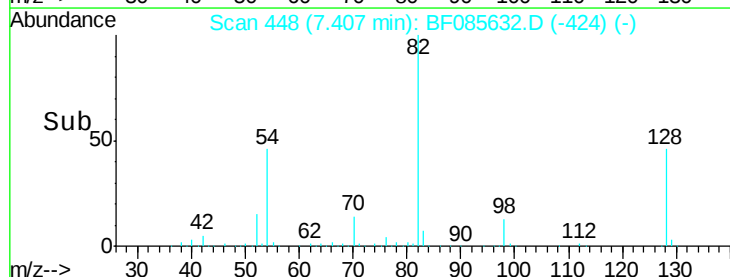
54 45.9 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

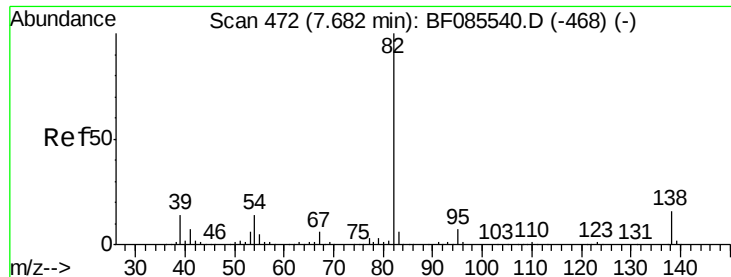
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.41



#25

Isophorone

Concen: 32.38 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.27 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

SOUTH-WALL(3-5)

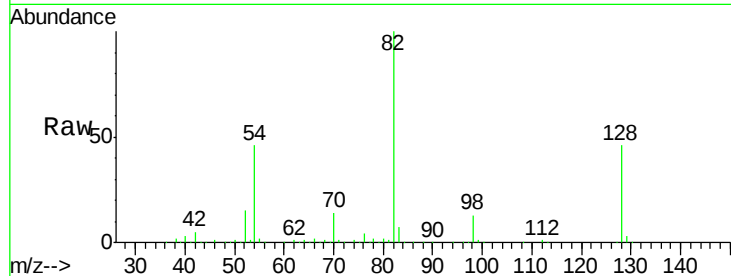
Tgt Ion: 82 Resp: 527738

Ion Ratio Lower Upper

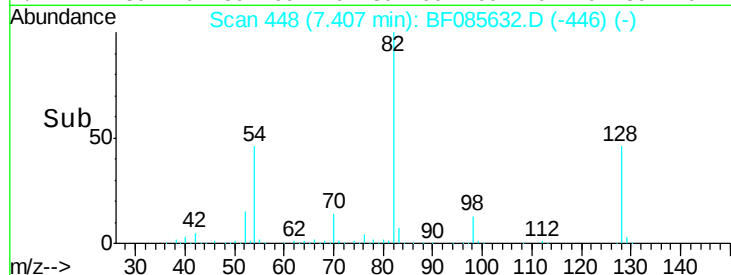
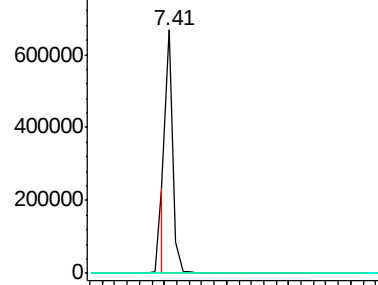
82 100

95 0.0 5.4 8.2#

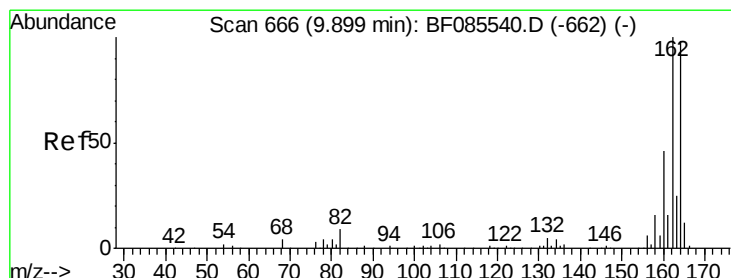
138 0.0 12.9 19.3#



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): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

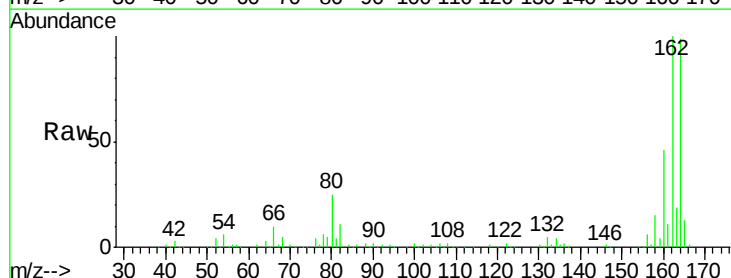
Tgt Ion: 164 Resp: 191456

Ion Ratio Lower Upper

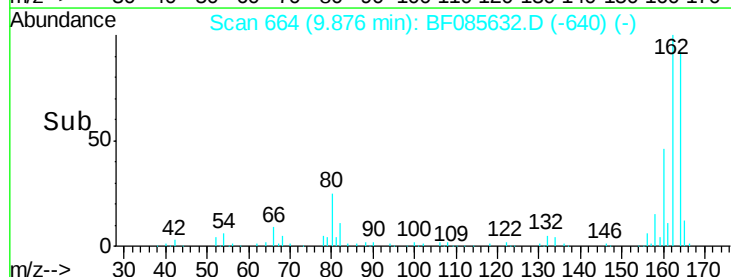
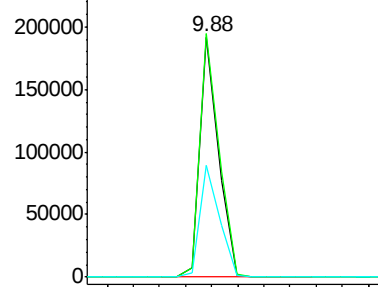
164 100

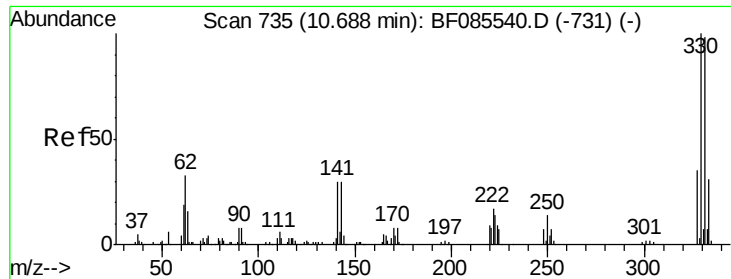
162 101.5 82.1 123.1

160 46.5 37.4 56.2



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

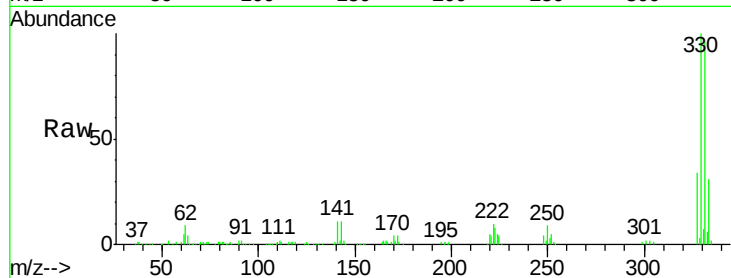




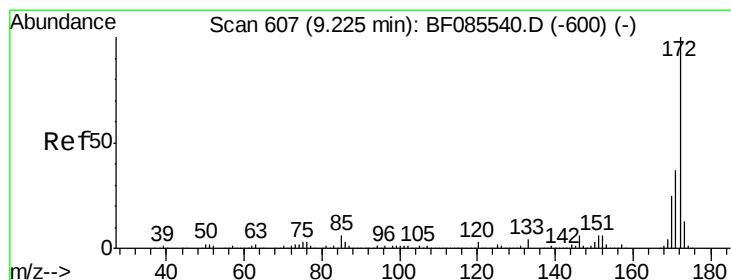
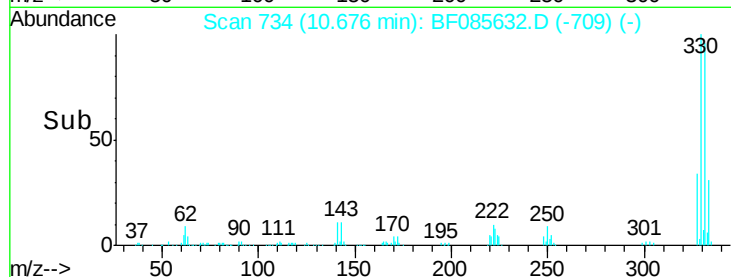
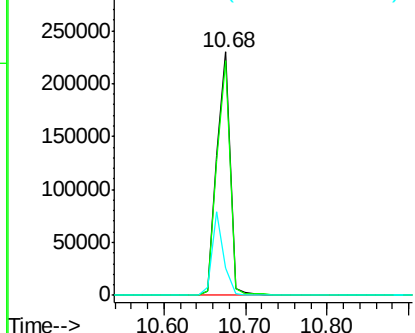
#41
 2,4,6-Tribromophenol
 Concen: 139.24 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085632.D
 Acq: 21 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-WALL(3-5)

Tgt Ion:330 Resp: 261127
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.2 117.2
 141 30.9 31.5 47.3#

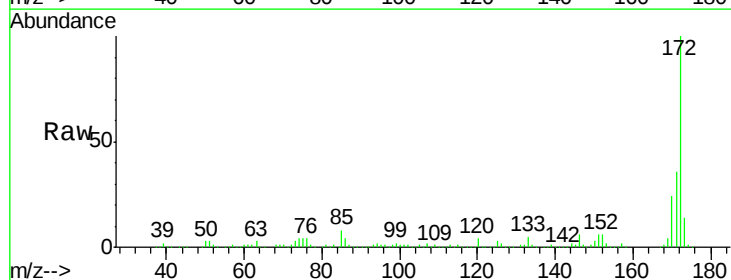


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

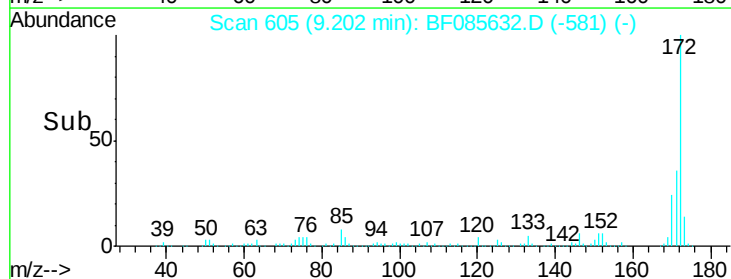
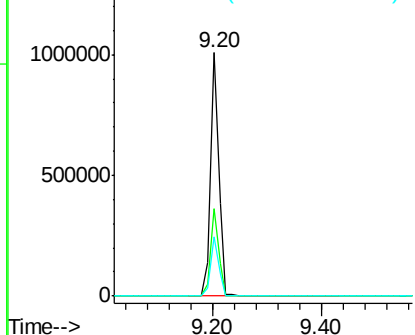


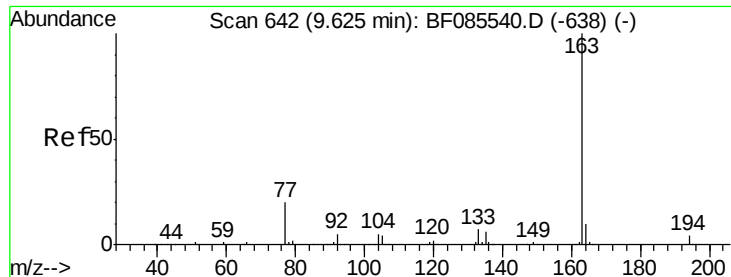
#44
 2-Fluorobiphenyl
 Concen: 99.50 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085632.D
 Acq: 21 Mar 2016 19:59

Tgt Ion:172 Resp: 1069201
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.2
 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

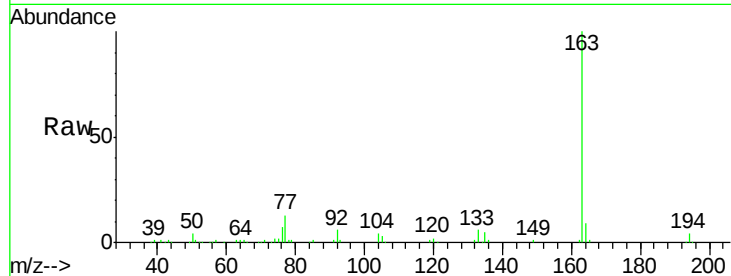




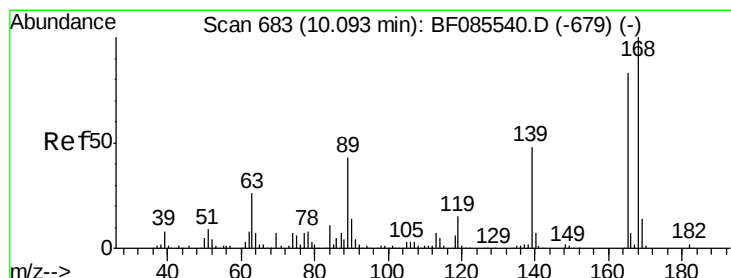
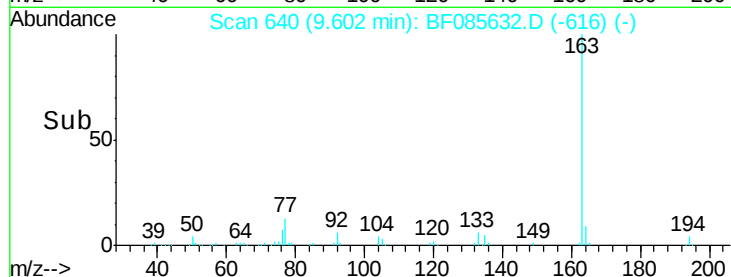
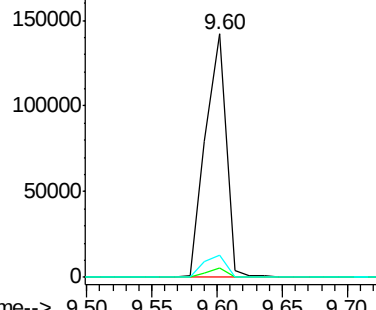
#49
Dimethylphthalate
Concen: 10.85 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085632.D
Acq: 21 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :
SOUTH-WALL(3-5)

Tgt Ion:163 Resp: 156719
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 9.1 8.3 12.5

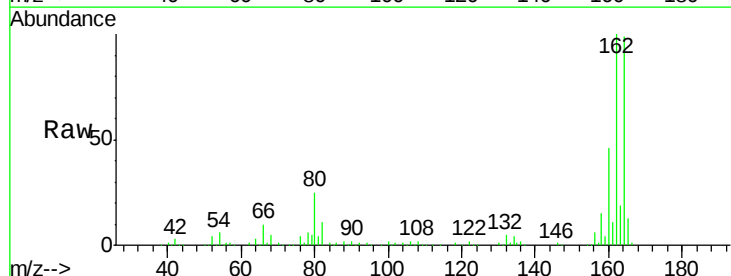


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

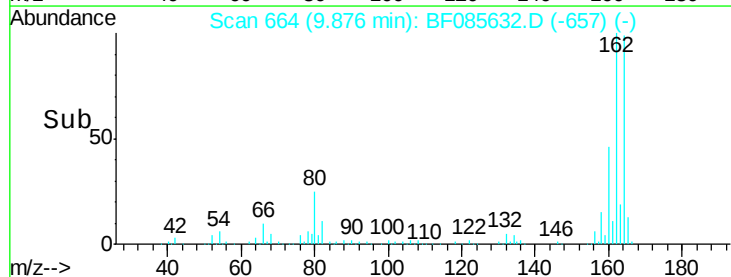
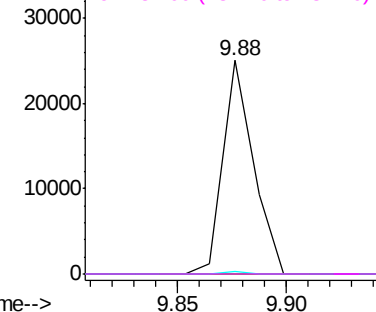


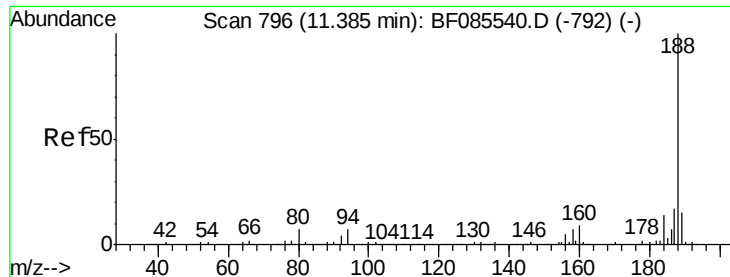
#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.22 min
Lab File: BF085632.D
Acq: 21 Mar 2016 19:59

Tgt Ion:165 Resp: 24398
Ion Ratio Lower Upper
165 100
63 0.0 24.9 37.3#
89 1.5 41.0 61.6#
182 0.0 2.1 3.1#



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
Ion 182.00 (181.70 to 182.70): E

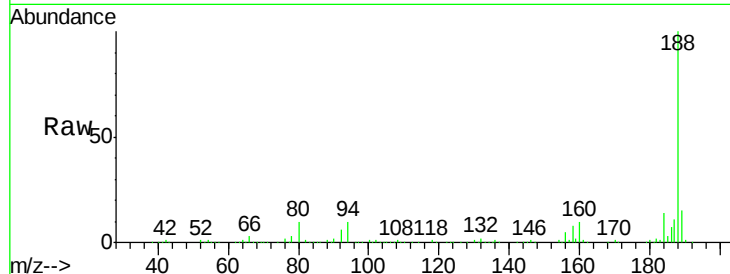




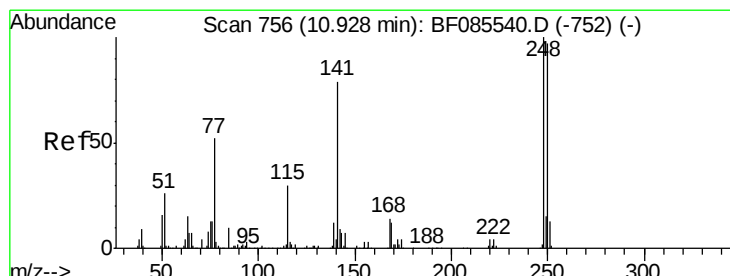
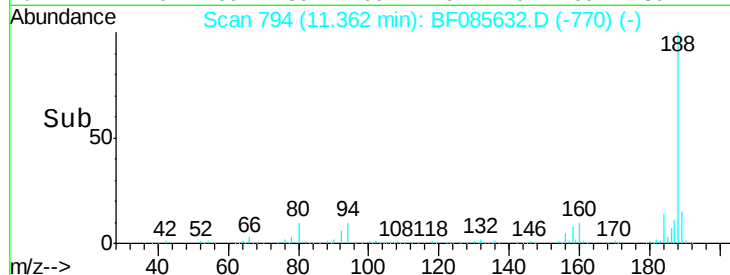
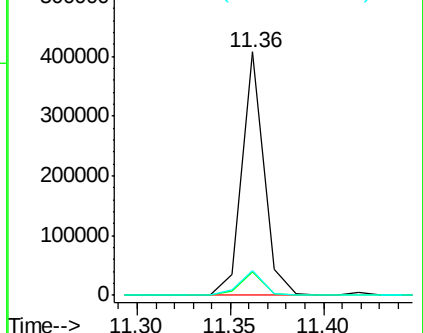
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF085632.D
 Acq: 21 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-WALL(3-5)

Tgt Ion:188 Resp: 337210
 Ion Ratio Lower Upper
 188 100
 94 9.9 5.4 8.0#
 80 10.1 5.5 8.3#

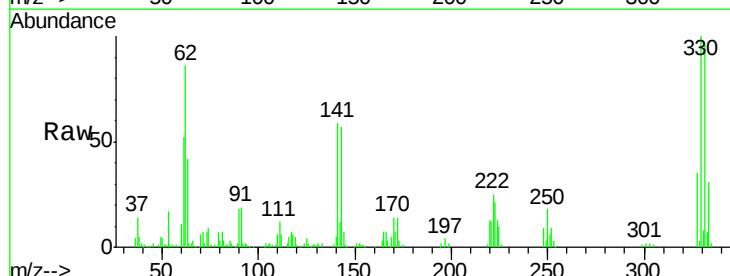


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

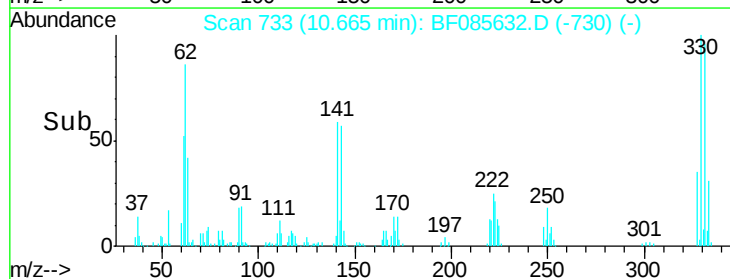
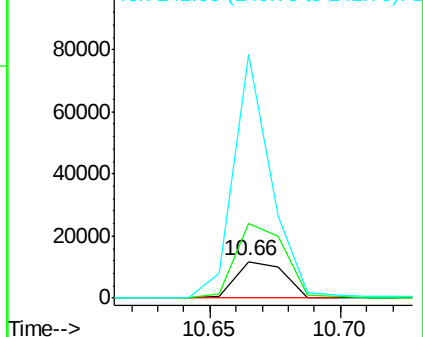


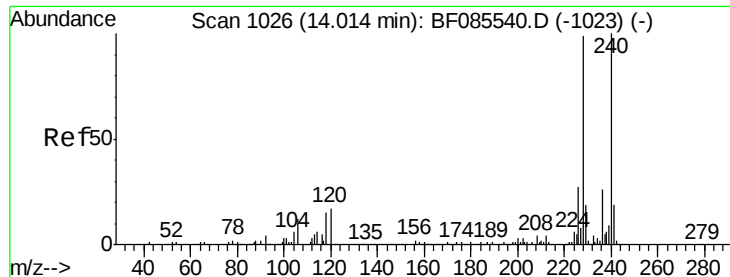
#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.26 min
 Lab File: BF085632.D
 Acq: 21 Mar 2016 19:59

Tgt Ion:248 Resp: 15229
 Ion Ratio Lower Upper
 248 100
 250 206.2 77.4 116.0#
 141 667.1 63.6 95.4#



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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

SOUTH-WALL(3-5)

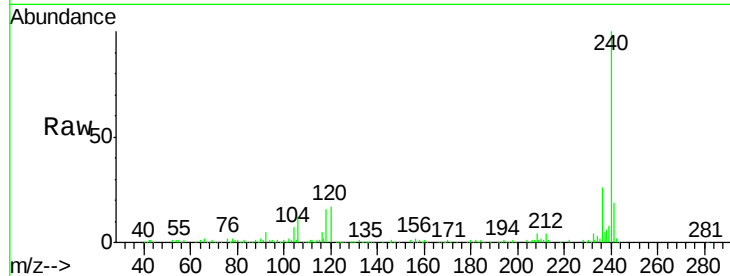
Tgt Ion:240 Resp: 238762

Ion Ratio Lower Upper

240 100

120 17.2 13.8 20.8

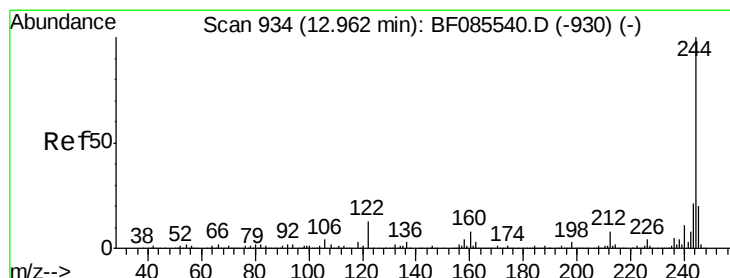
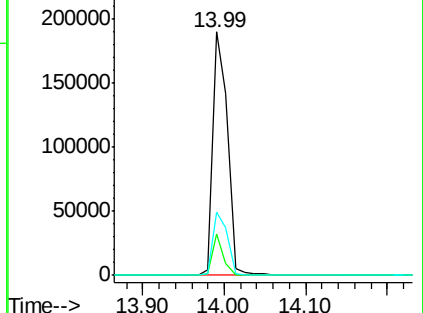
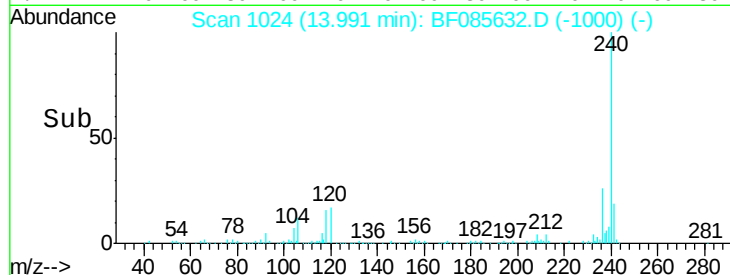
236 26.2 20.6 30.8



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: 84.05 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085632.D

Acq: 21 Mar 2016 19:59

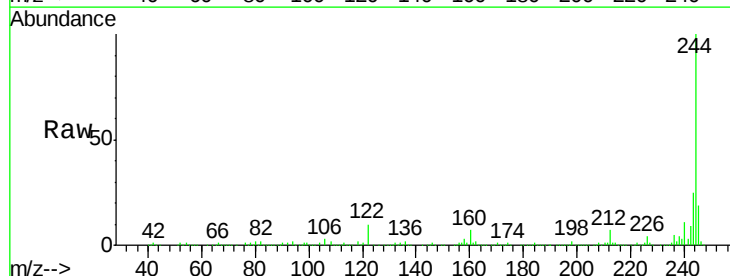
Tgt Ion:244 Resp: 833945

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

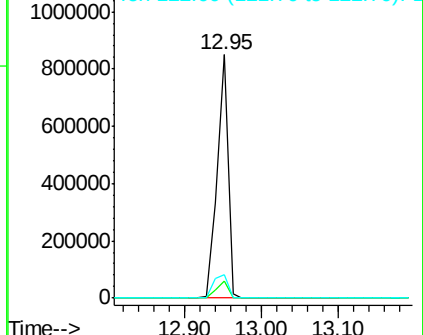
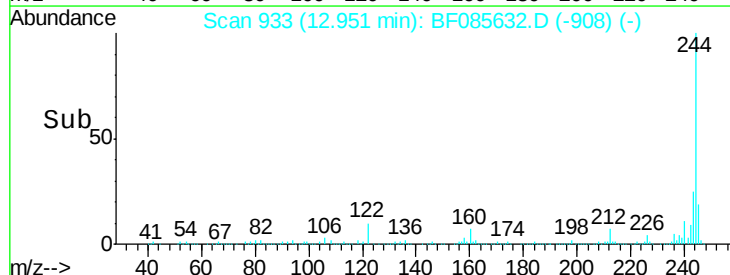
122 9.6 10.2 15.4#

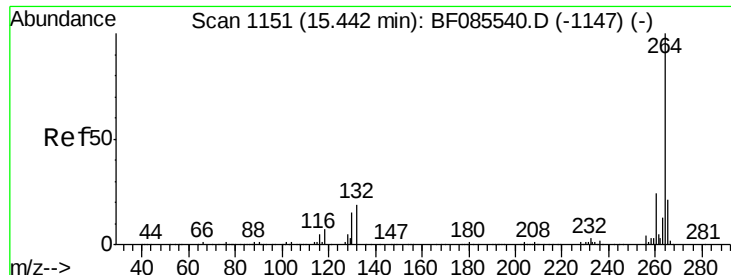


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

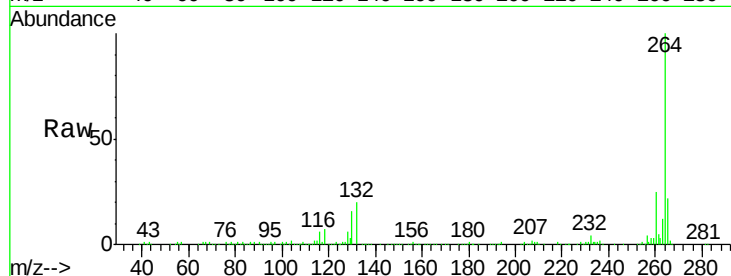




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085632.D
Acq: 21 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :
SOUTH-WALL(3-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.0	17.2	25.8



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

