

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085349.D
 Acq On : 10 Mar 2016 22:52
 Operator : UM/SJ
 Sample : H1744-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 23:57:36 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

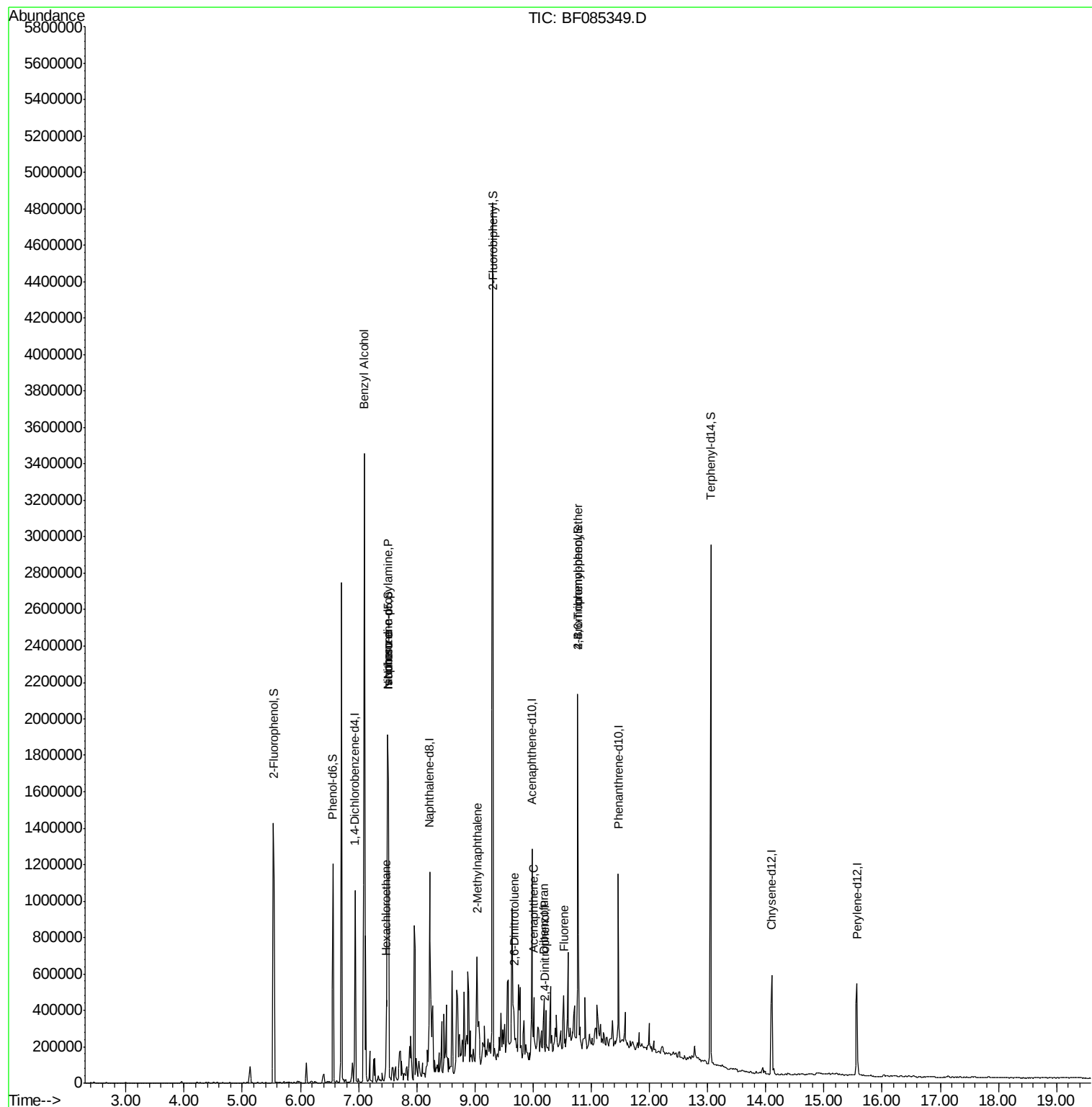
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	143117	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	510409	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	197211	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	315141	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	238920	20.00	ng	-0.05
86) Perylene-d12	15.57	264	250756	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	567574	66.52	ng	-0.05
7) Phenol-d6	6.56	99	477962	42.76	ng	-0.05
23) Nitrobenzene-d5	7.50	82	887016	93.00	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	260245	154.22	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1538891	118.67	ng	-0.05
78) Terphenyl-d14	13.05	244	985445	95.75	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	7.10	79	16998	2.07	ng	# 41
18) Hexachloroethane	7.48	117	61656	15.12	ng	# 46
19) n-Nitroso-di-n-propylamine	7.50	70	117345	16.11	ng	# 78
25) Isophorone	7.50	82	792429	44.83	ng	# 67
37) 2-Methylnaphthalene	9.04	142	185021	11.49	ng	95
50) 2,6-Dinitrotoluene	9.67	165	6827	2.11	ng	91
51) Acenaphthene	10.01	154	57518	4.74	ng	97
53) 2,4-Dinitrophenol	10.20	184	428	8.26	ng	# 1
54) Dibenzofuran	10.18	168	45818	2.88	ng	# 88
57) Fluorene	10.53	166	74702	5.98	ng	99
66) 4-Bromophenyl-phenylether	10.77	248	16803	5.49	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: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

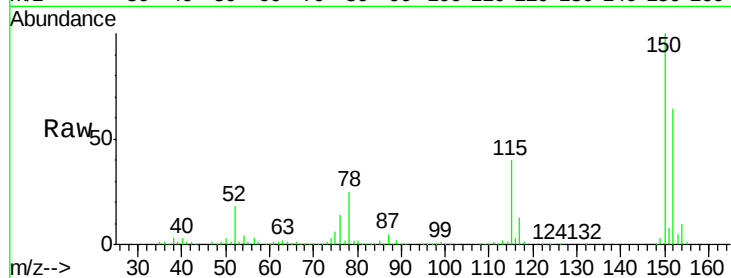
Tot Ion:152 Resp: 143117

Ion Ratio Lower Upper

152 100

150 157.3 124.6 186.8

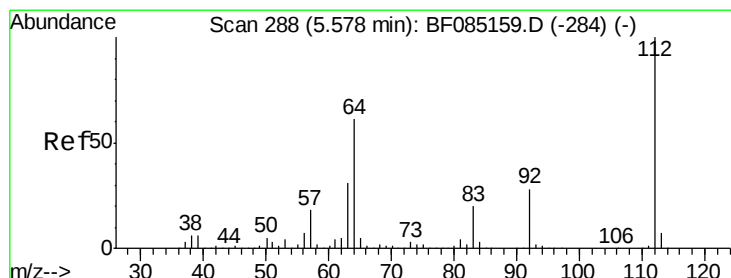
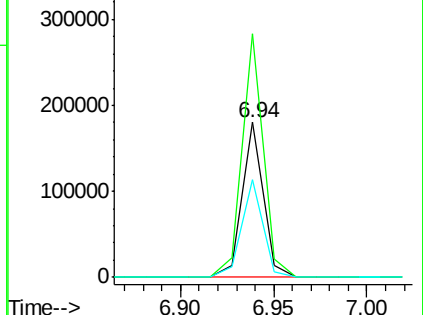
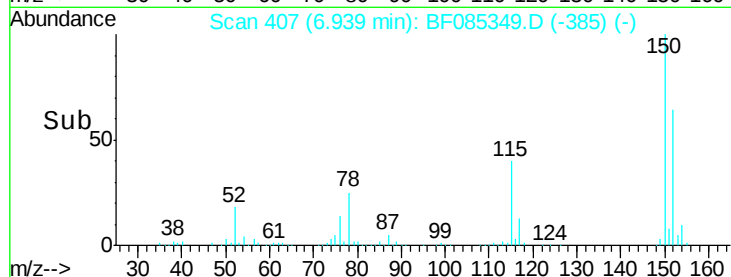
115 63.1 46.6 70.0



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: 66.52 ng

RT: 5.53 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

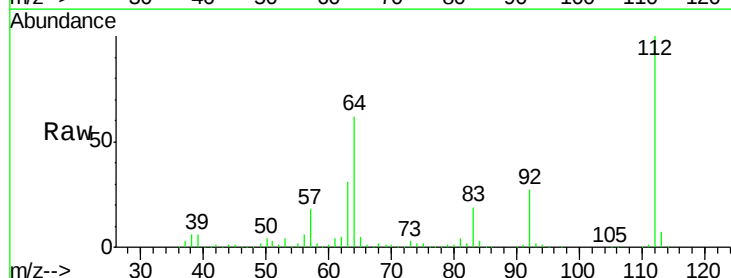
Tgt Ion:112 Resp: 567574

Ion Ratio Lower Upper

112 100

64 62.3 49.0 73.4

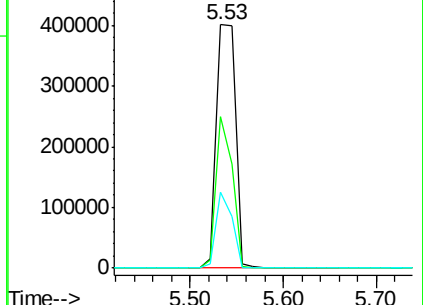
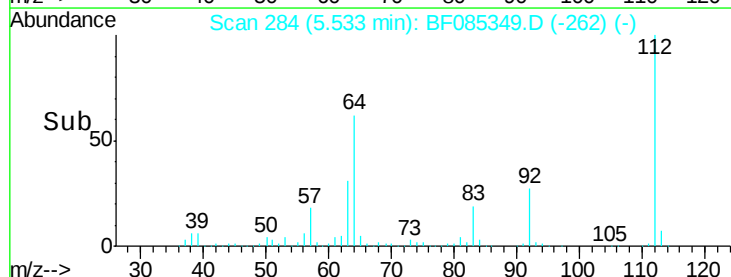
63 31.3 24.8 37.2

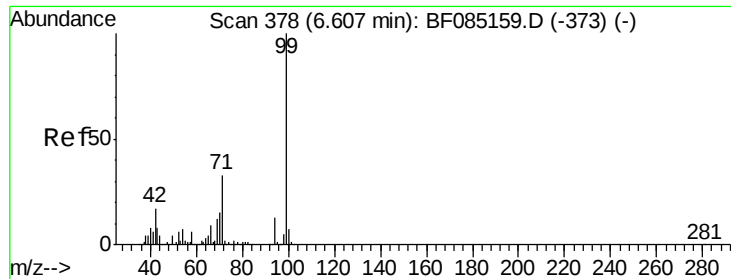


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.76 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

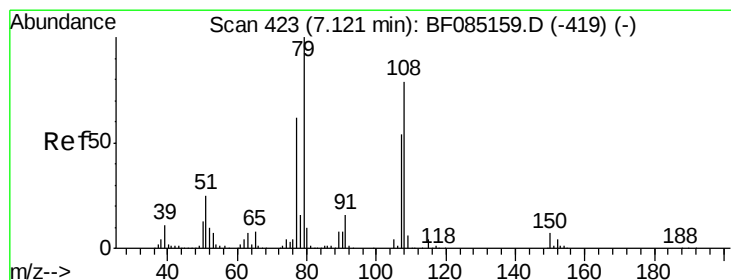
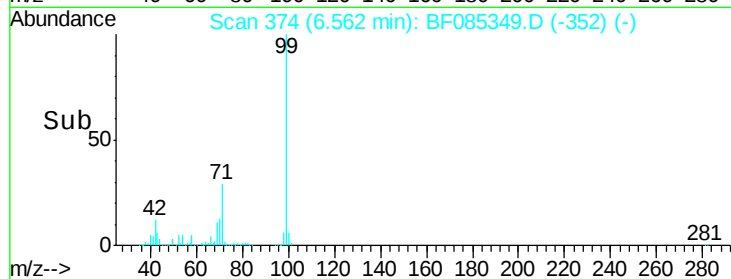
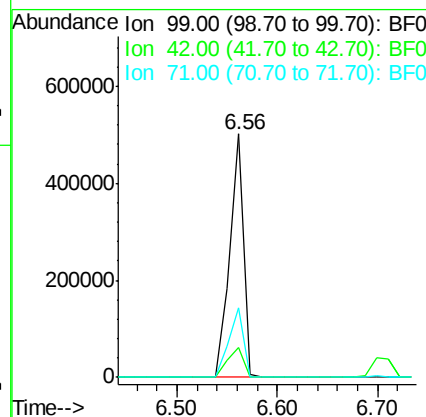
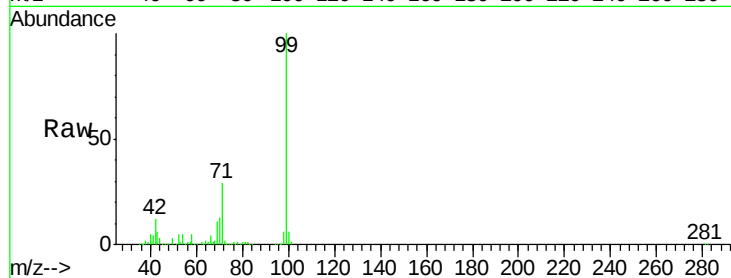
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 477962

Ion	Ratio	Lower	Upper
99	100		
42	12.3	13.6	20.4#
71	28.5	26.7	40.1



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 7.10 min Scan# 421

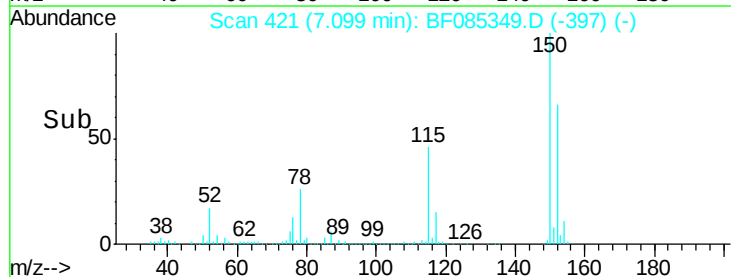
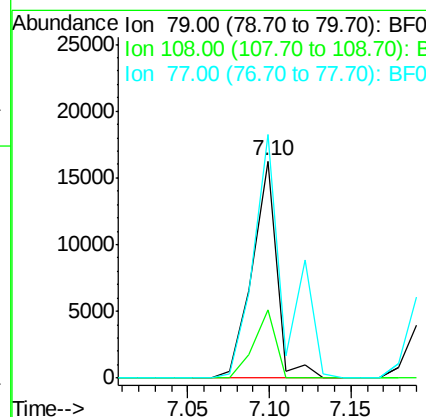
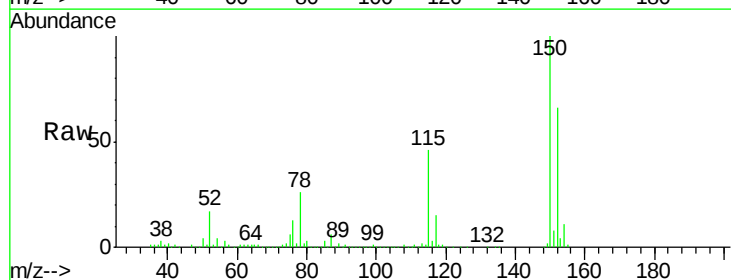
Delta R.T. -0.02 min

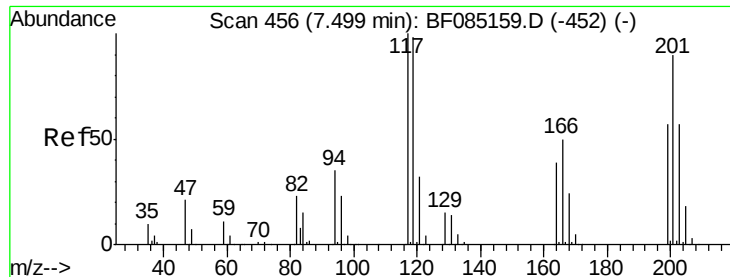
Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Tgt Ion: 79 Resp: 16998

Ion	Ratio	Lower	Upper
79	100		
108	31.4	62.9	94.3#
77	112.3	49.5	74.3#

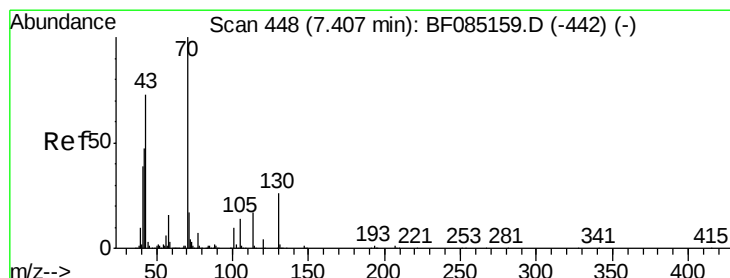
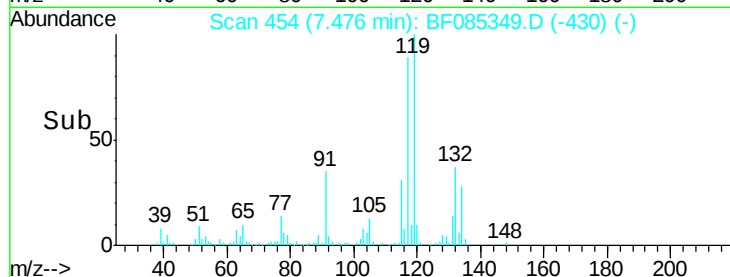
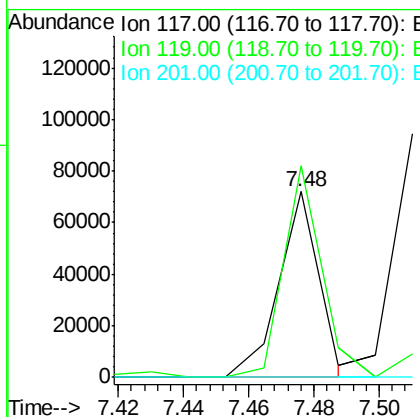
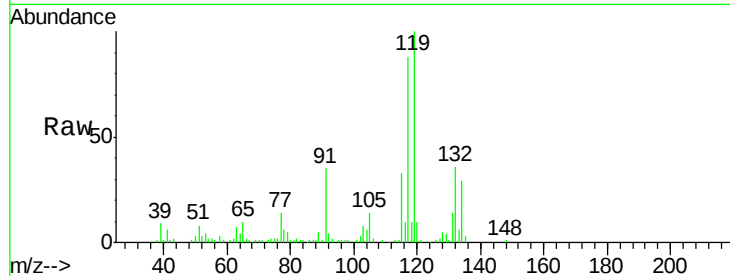




#18
Hexachloroethane
Concen: 15.12 ng
RT: 7.48 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF085349.D
Acq: 10 Mar 2016 22:52

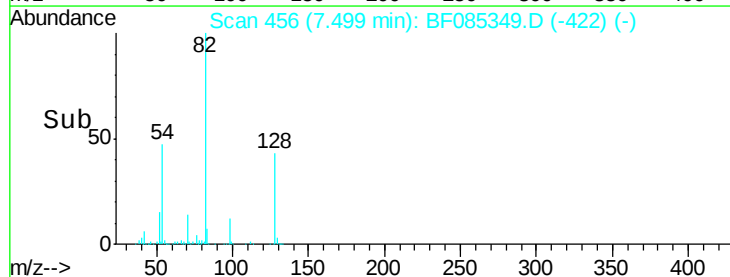
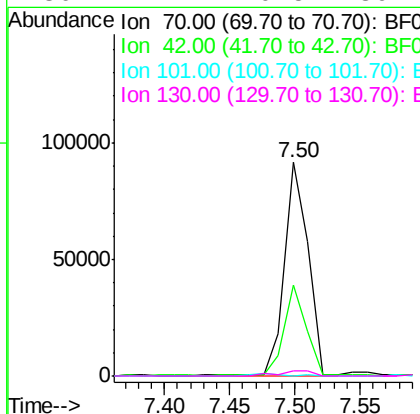
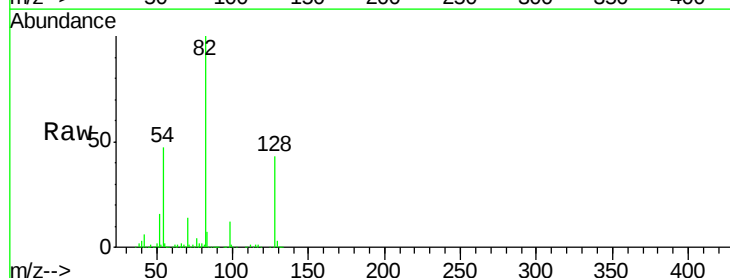
Instrument :
BNA_F
ClientSampleId :

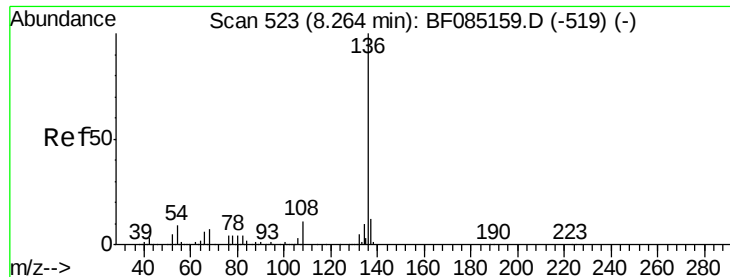
Tot Ion:117 Resp: 61656
Ion Ratio Lower Upper
117 100
119 113.8 78.2 117.4
201 0.0 72.0 108.0#



#19
n-Nitroso-di-n-propylamine
Concen: 16.11 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.09 min
Lab File: BF085349.D
Acq: 10 Mar 2016 22:52

Tgt Ion: 70 Resp: 117345
Ion Ratio Lower Upper
70 100
42 42.3 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: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 510409

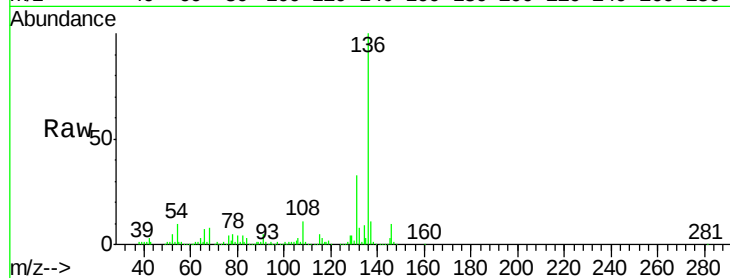
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 9.6 7.4 11.2

68 7.9 6.0 9.0

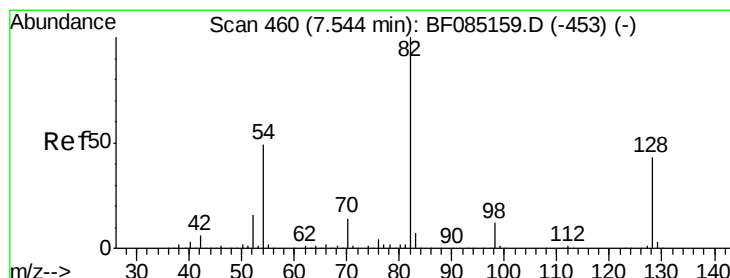
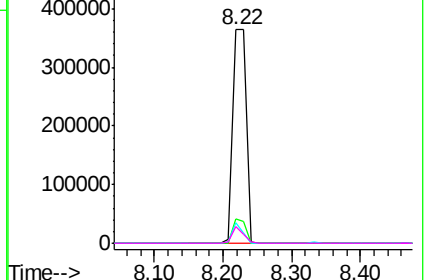
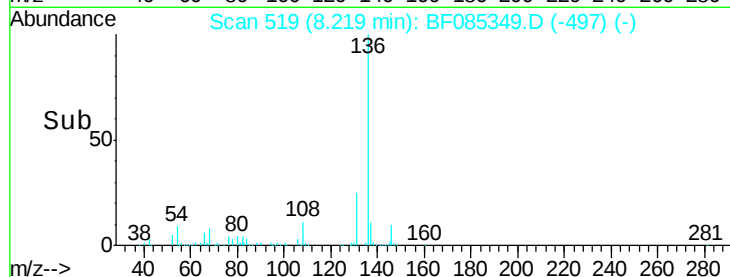


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.00 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

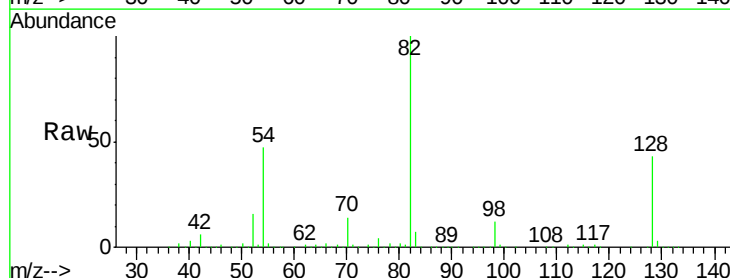
Tgt Ion: 82 Resp: 887016

Ion Ratio Lower Upper

82 100

128 43.4 34.5 51.7

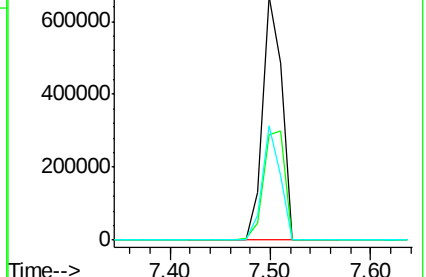
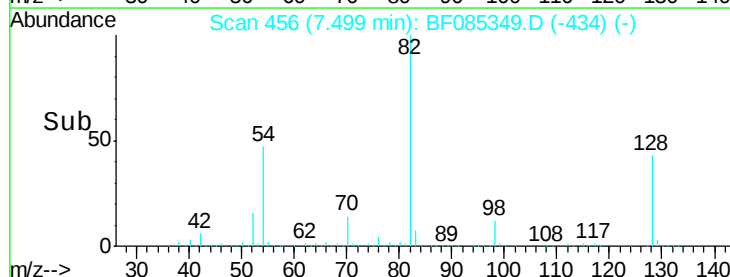
54 47.2 39.3 58.9

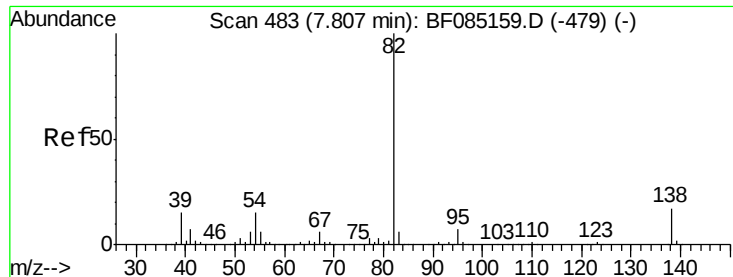


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.83 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

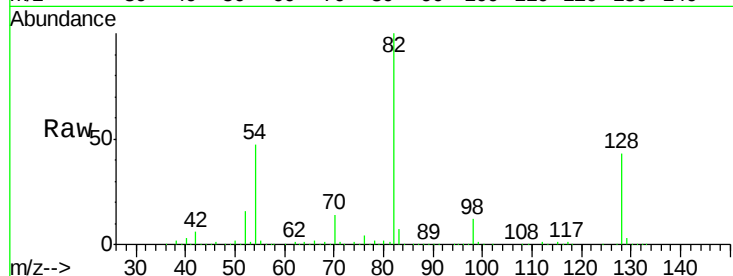
Tot Ion: 82 Resp: 792429

Ion Ratio Lower Upper

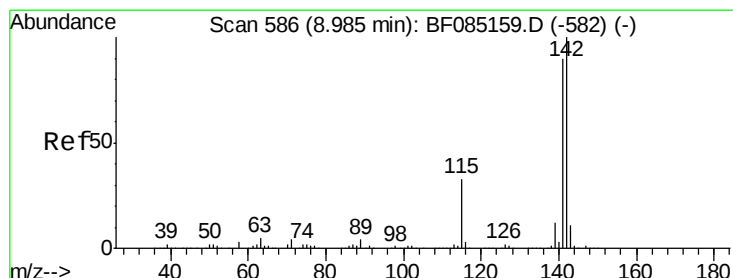
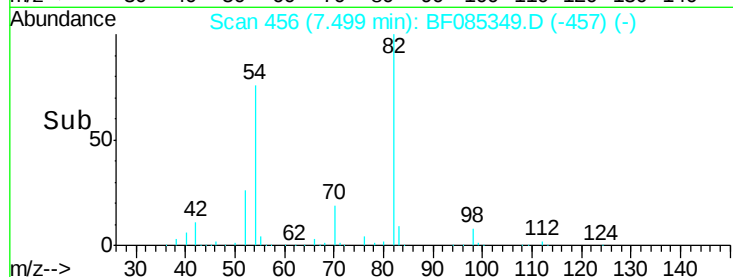
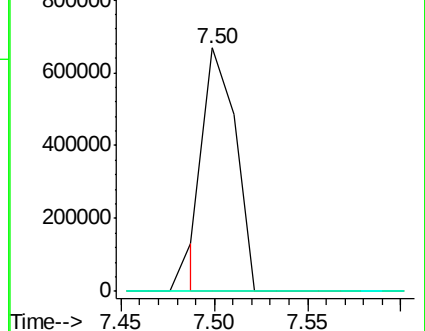
82 100

95 0.1 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): E



#37

2-Methylnaphthalene

Concen: 11.49 ng

RT: 9.04 min Scan# 591

Delta R.T. 0.06 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

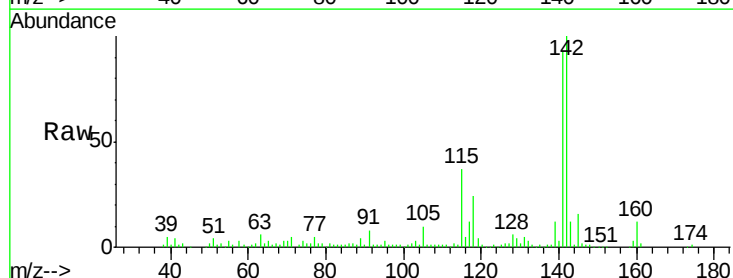
Tgt Ion: 142 Resp: 185021

Ion Ratio Lower Upper

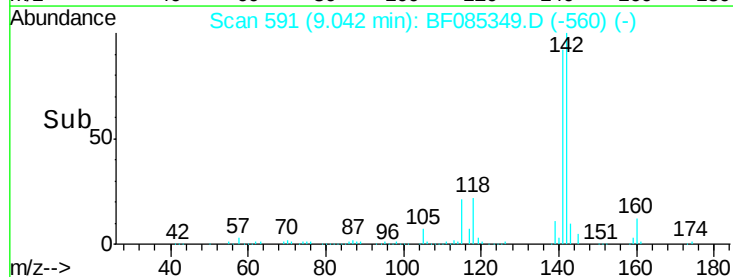
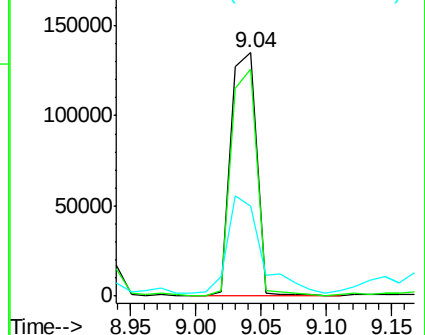
142 100

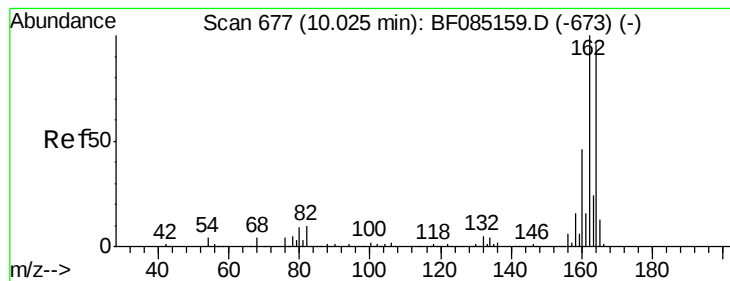
141 93.0 71.7 107.5

115 37.0 26.2 39.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

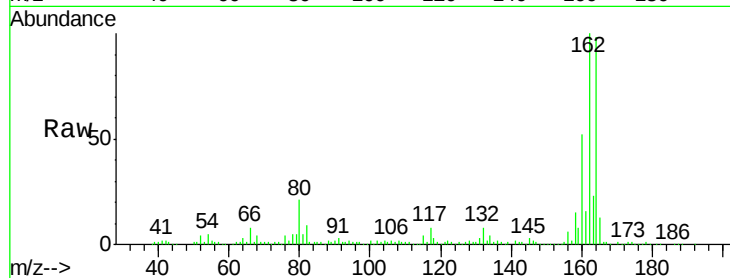
Tot Ion:164 Resp: 197211

Ion Ratio Lower Upper

164 100

162 102.2 83.3 124.9

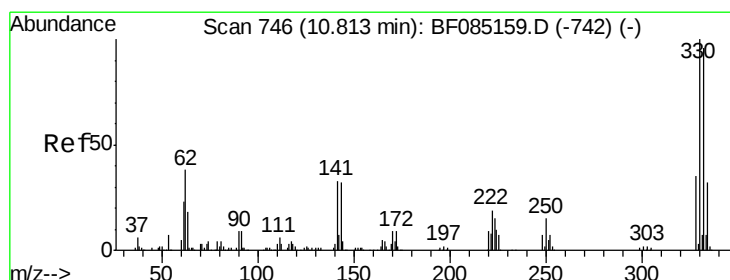
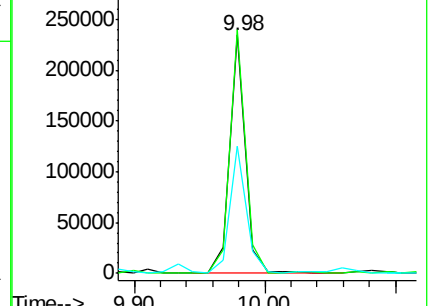
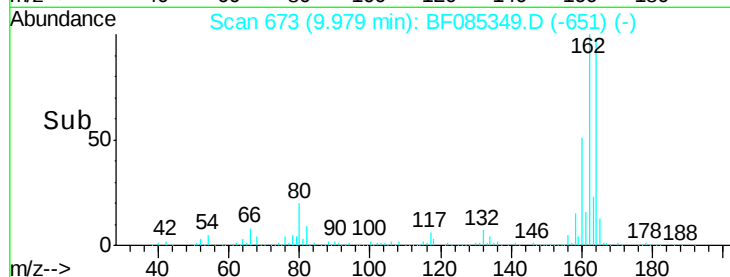
160 53.7 37.9 56.9



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: 154.22 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

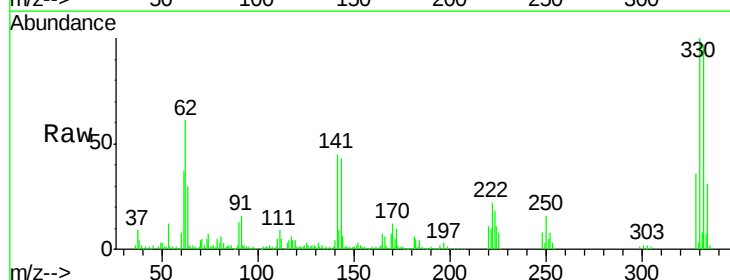
Tgt Ion:330 Resp: 260245

Ion Ratio Lower Upper

330 100

332 98.2 77.1 115.7

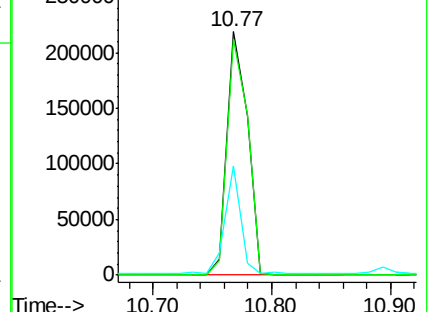
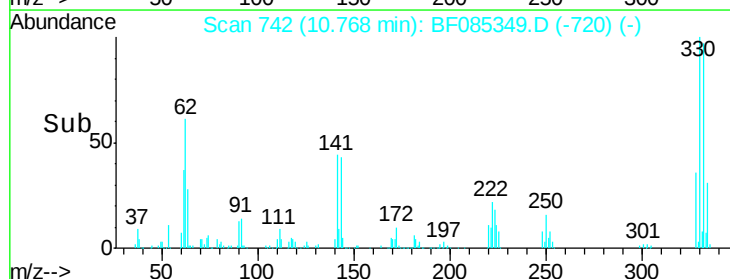
141 34.1 35.0 52.6#

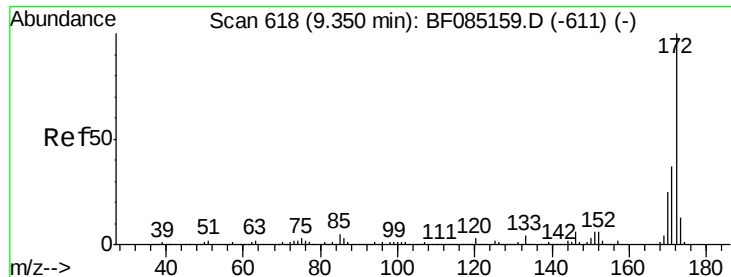


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

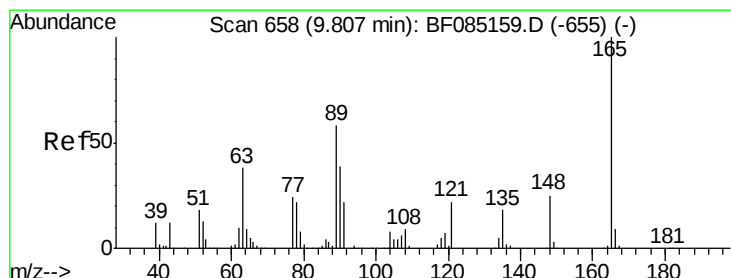
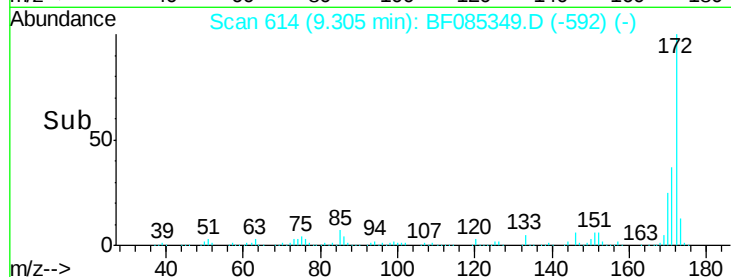
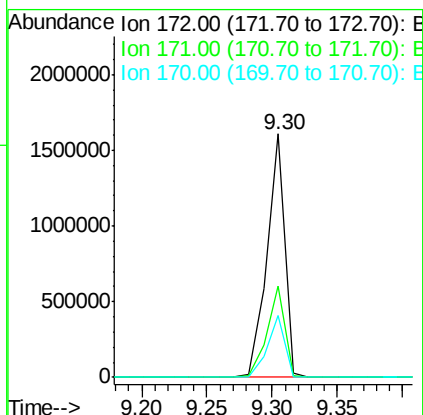
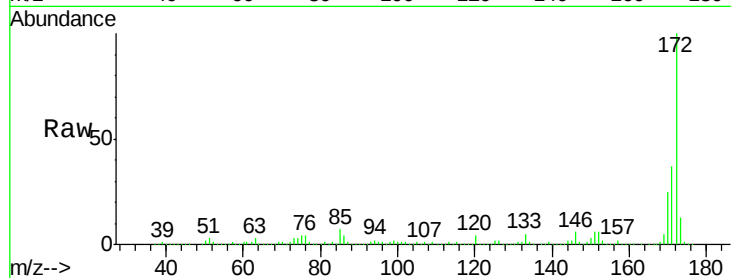




#44
 2-Fluorobiphenyl
 Concen: 118.67 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085349.D
 Acq: 10 Mar 2016 22:52

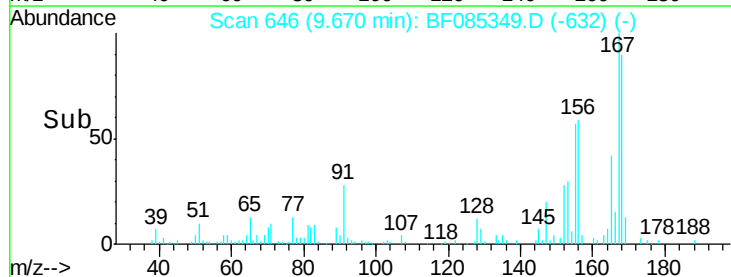
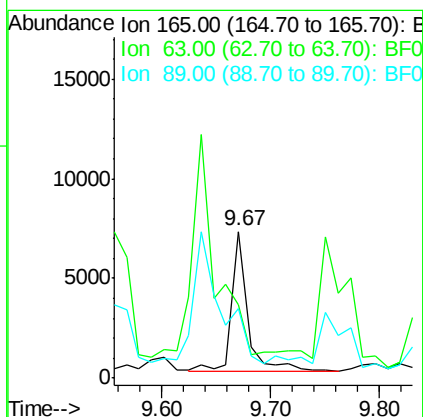
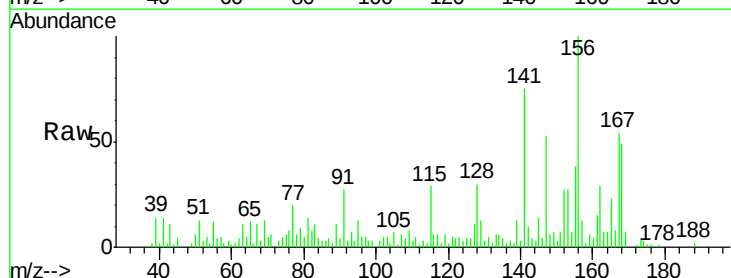
Instrument :
 BNA_F
 ClientSampleId :

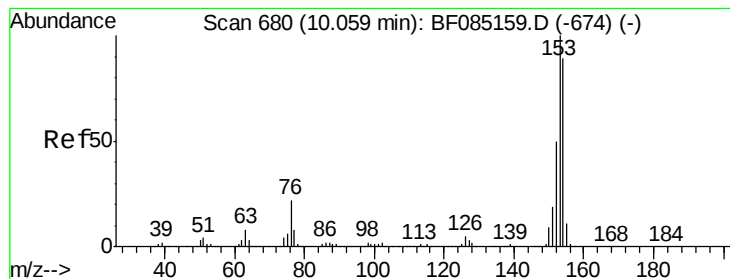
Tot Ion:172 Resp: 1538891
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.3 43.9
 170 25.3 20.0 30.0



#50
 2,6-Dinitrotoluene
 Concen: 2.11 ng
 RT: 9.67 min Scan# 646
 Delta R.T. -0.14 min
 Lab File: BF085349.D
 Acq: 10 Mar 2016 22:52

Tgt Ion:165 Resp: 6827
 Ion Ratio Lower Upper
 165 100
 63 49.9 41.8 62.8
 89 47.7 46.7 70.1





#51

Acenaphthene

Concen: 4.74 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

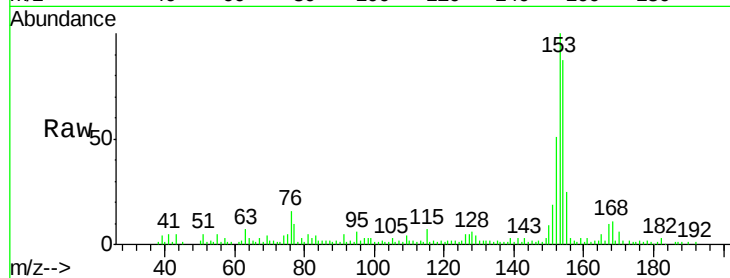
Tot Ion:154 Resp: 57518

Ion Ratio Lower Upper

154 100

153 114.6 89.8 134.8

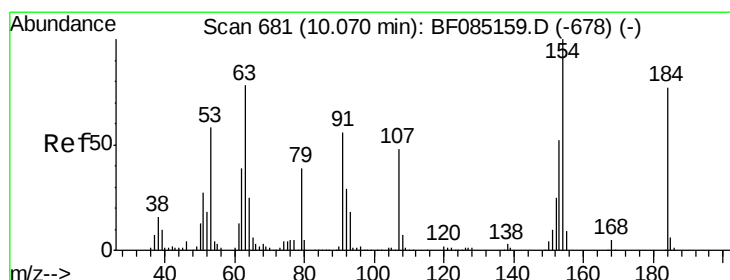
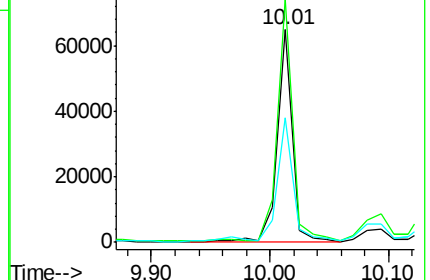
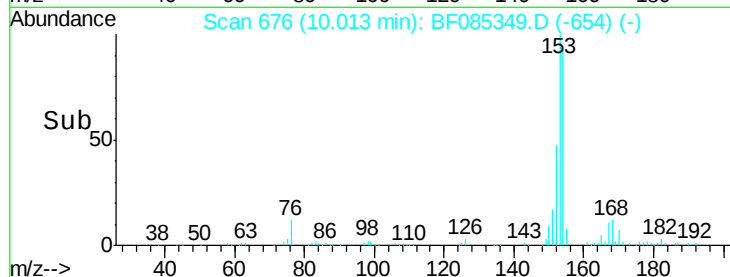
152 58.7 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.26 ng

RT: 10.20 min Scan# 692

Delta R.T. 0.13 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

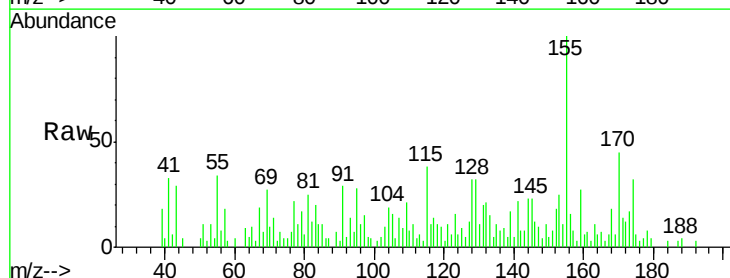
Tgt Ion:184 Resp: 428

Ion Ratio Lower Upper

184 100

63 372.0 82.2 123.4#

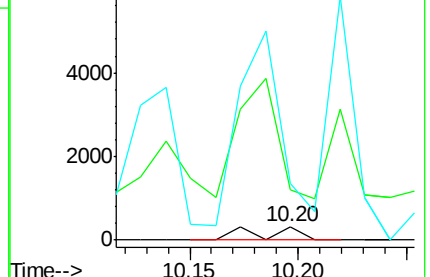
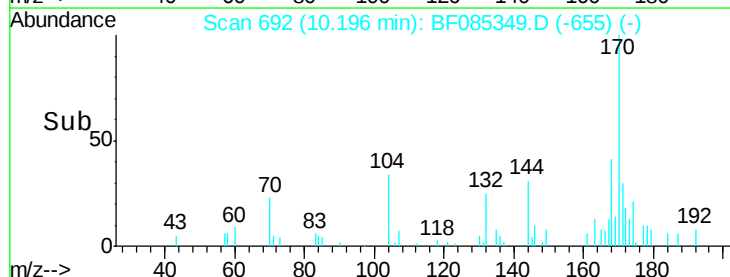
154 425.9 108.9 163.3#

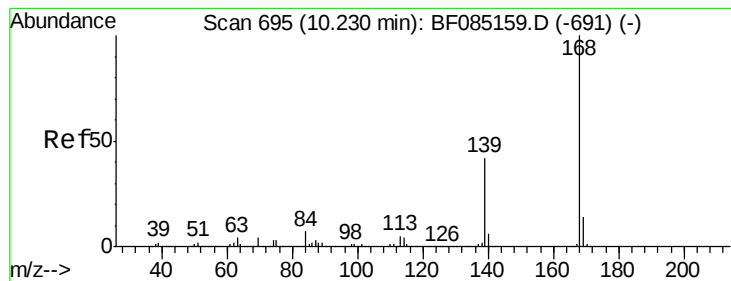


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.88 ng

RT: 10.18 min Scan# 691

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

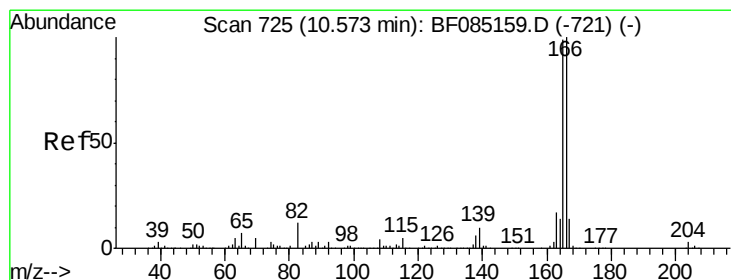
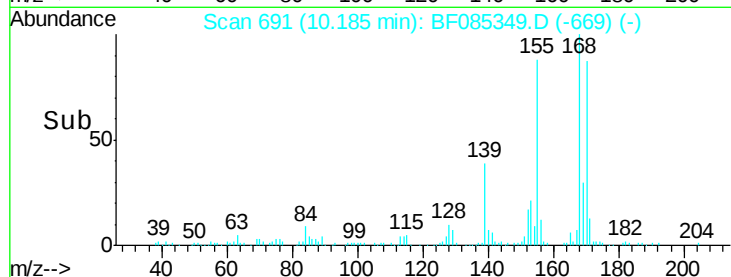
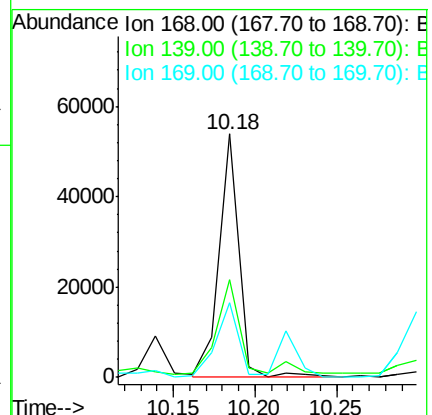
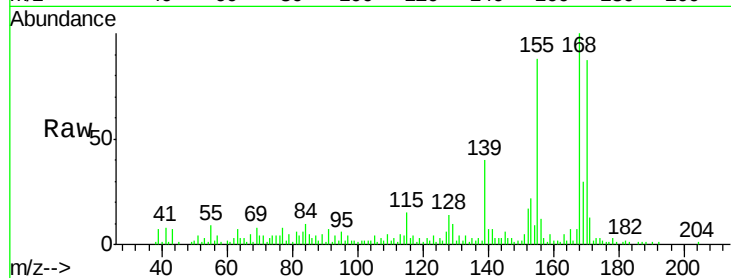
Tot Ion:168 Resp: 45818

Ion Ratio Lower Upper

168 100

139 40.1 33.6 50.4

169 30.5 11.2 16.8#



#57

Fluorene

Concen: 5.98 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

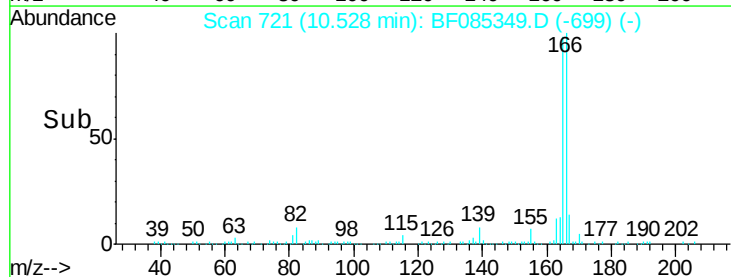
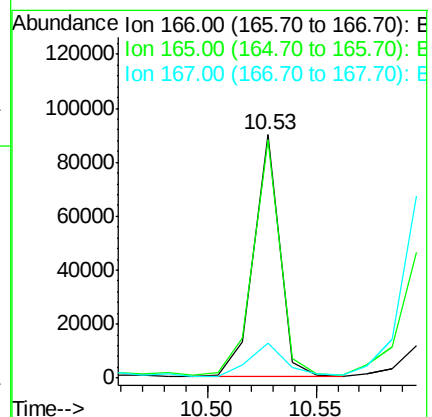
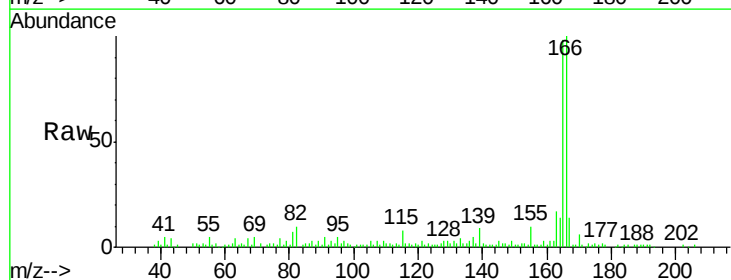
Tgt Ion:166 Resp: 74702

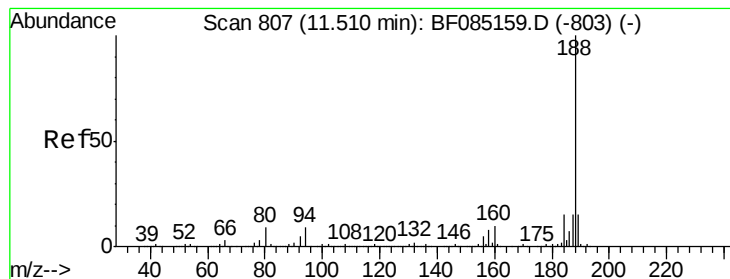
Ion Ratio Lower Upper

166 100

165 98.1 79.4 119.0

167 14.2 11.0 16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 803

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

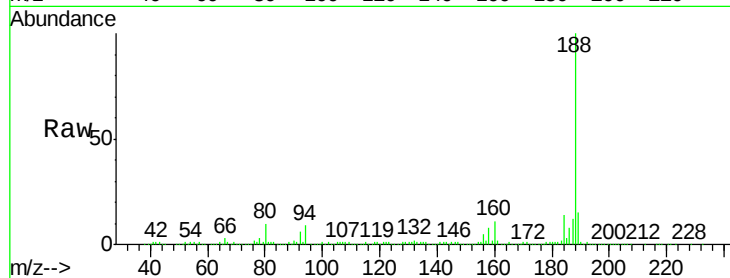
Tot Ion:188 Resp: 315141

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.4 7.4 11.0

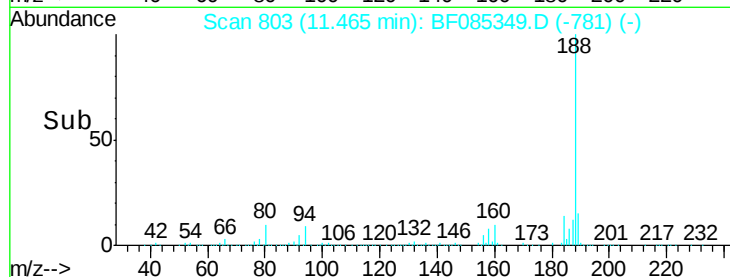


Abundance Ion 188.00 (187.70 to 188.70): E

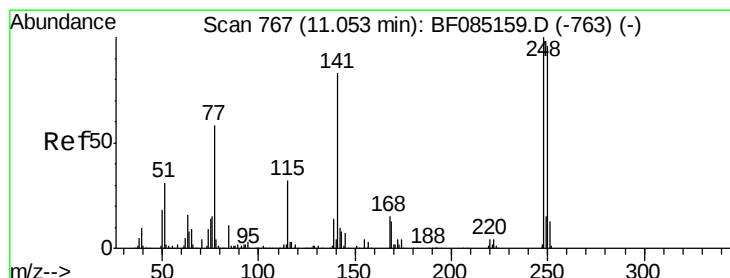
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.49 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.29 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

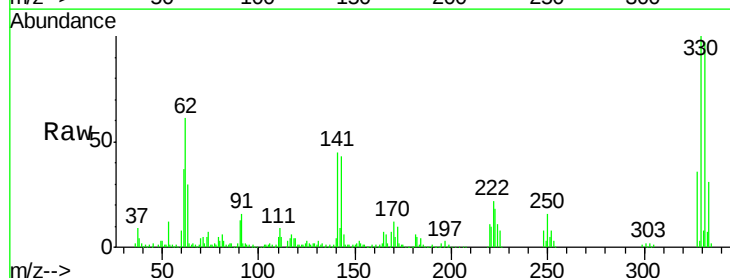
Tgt Ion:248 Resp: 16803

Ion Ratio Lower Upper

248 100

250 201.5 77.1 115.7#

141 561.0 66.2 99.2#

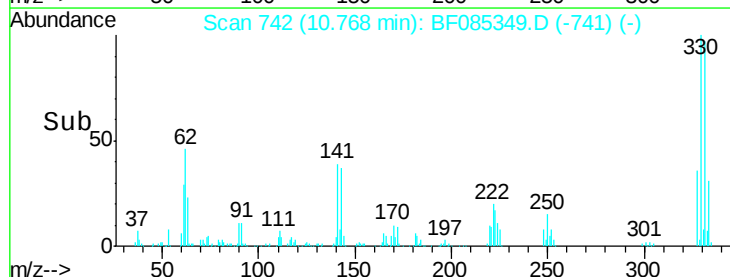


Abundance Ion 248.00 (247.70 to 248.70): E

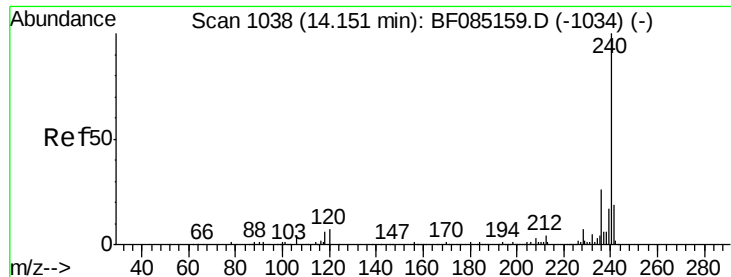
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

Instrument :

BNA_F

ClientSampleId :

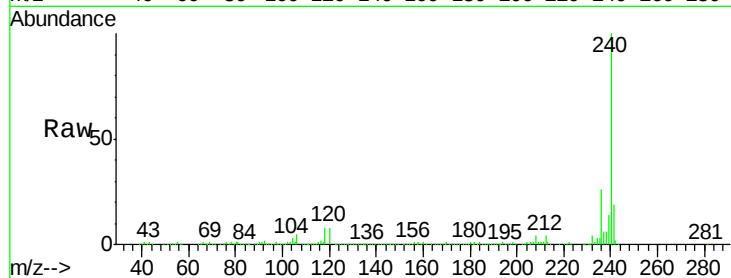
Tot Ion:240 Resp: 238920

Ion Ratio Lower Upper

240 100

120 7.9 5.3 7.9

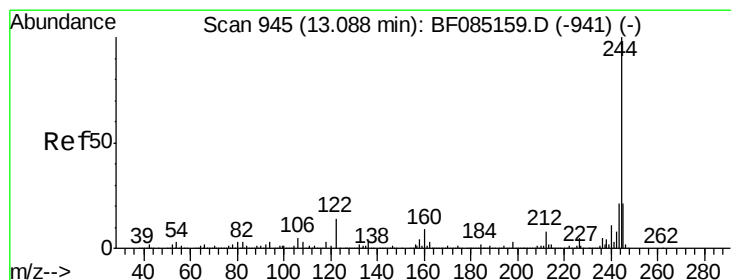
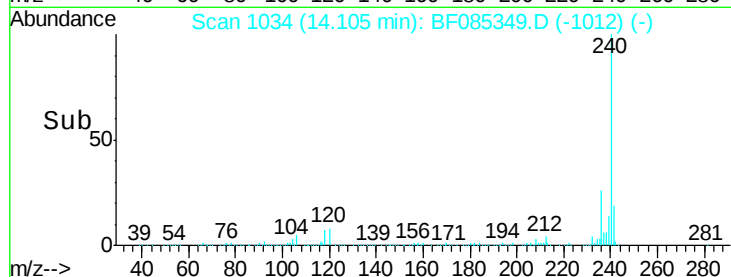
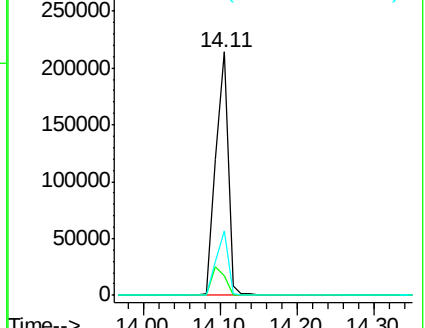
236 26.3 20.7 31.1



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: 95.75 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085349.D

Acq: 10 Mar 2016 22:52

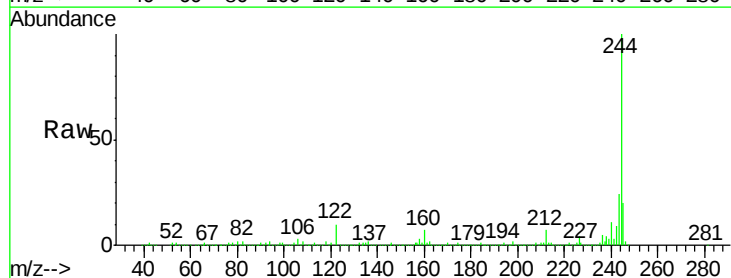
Tgt Ion:244 Resp: 985445

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

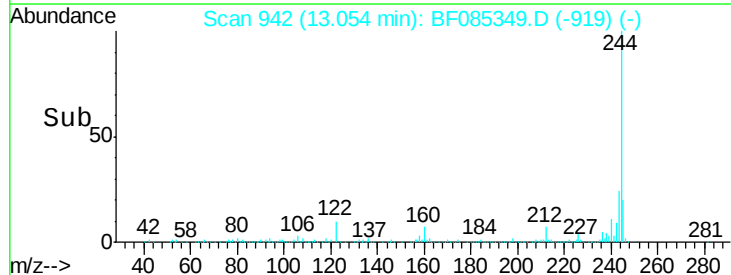
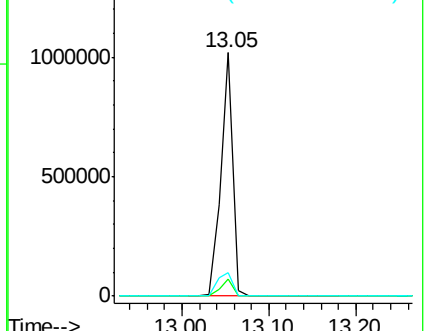
122 9.7 11.4 17.2#

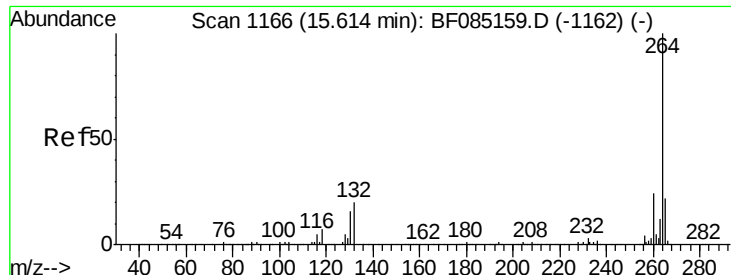


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

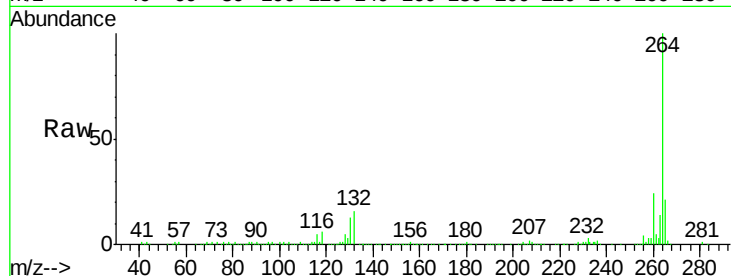




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085349.D
 Acq: 10 Mar 2016 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.2	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

