

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089942.D
 Acq On : 31 Aug 2016 11:23
 Operator : UM/SJ
 Sample : H4522-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 15:18:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

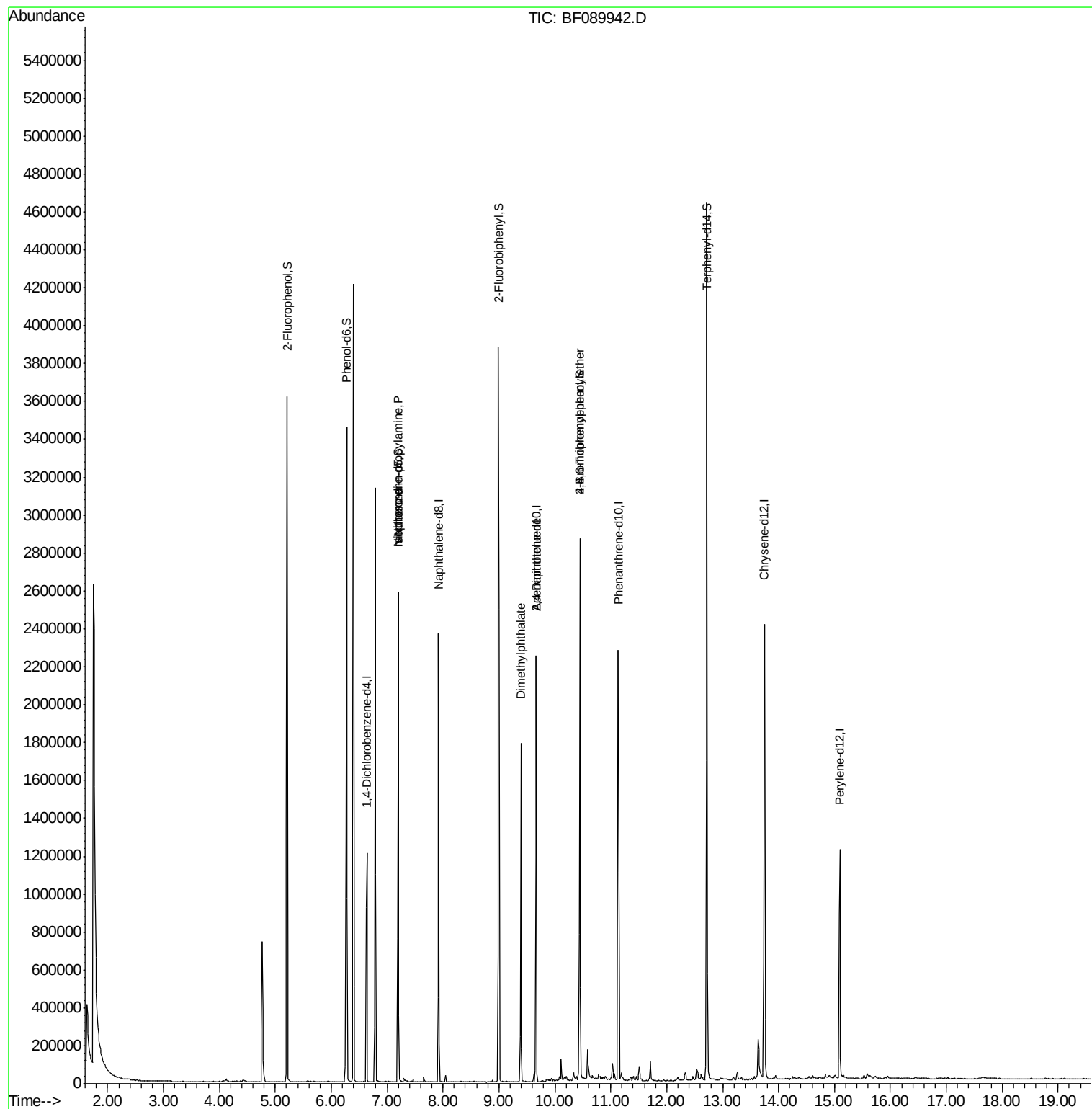
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	246255	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	1012069	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	540894	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	1003359	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	816788	20.00	ng	-0.01
86) Perylene-d12	15.10	264	595455	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1138345	73.99	ng	0.00
7) Phenol-d6	6.27	99	1400612	74.92	ng	0.00
23) Nitrobenzene-d5	7.20	82	832208	47.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	352834	66.12	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1704915	51.74	ng	-0.01
78) Terphenyl-d14	12.72	244	1619000	48.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	113496	9.32	ng	# 84
25) Isophorone	7.20	82	654771	18.45	ng	# 65
49) Dimethylphthalate	9.39	163	663026	16.96	ng	100
56) 2,4-Dinitrotoluene	9.67	165	68522	6.21	ng	# 29
66) 4-Bromophenyl-phenylether	10.44	248	23866	2.36	ng	# 1

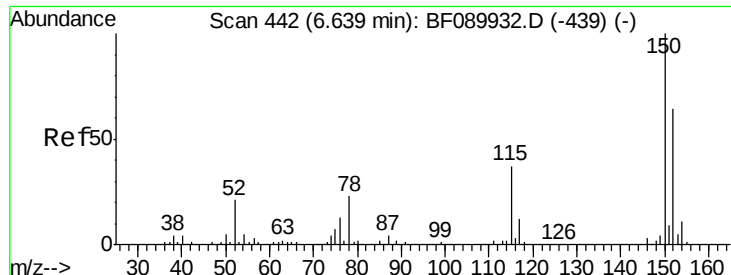
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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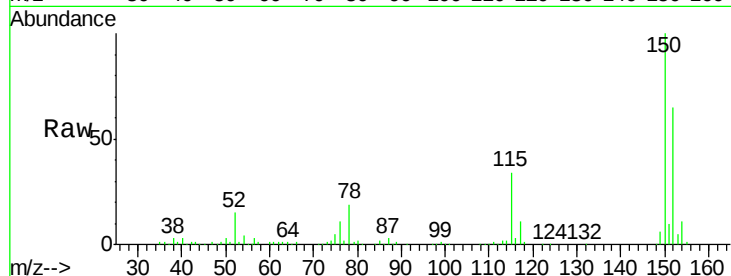


#1

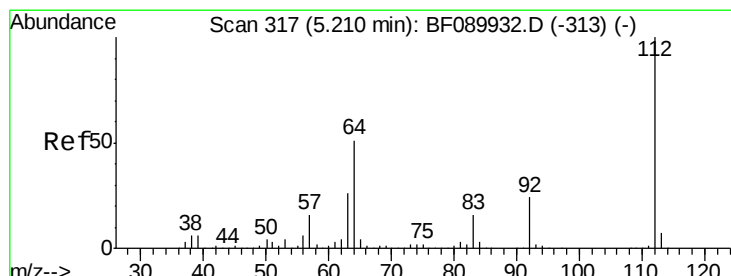
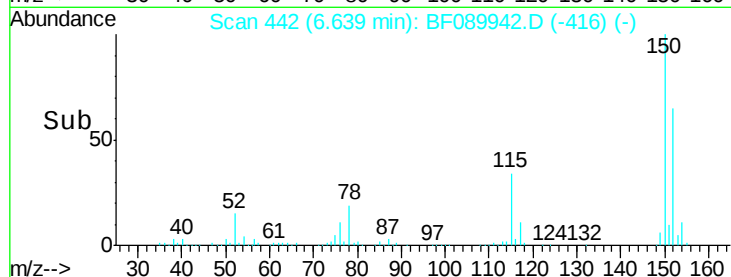
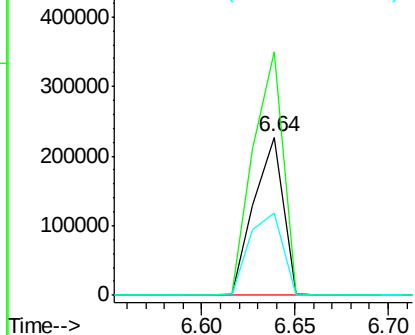
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089942.D
Acq: 31 Aug 2016 11:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 246255
Ion Ratio Lower Upper
152 100
150 154.0 127.4 191.2
115 52.0 46.3 69.5



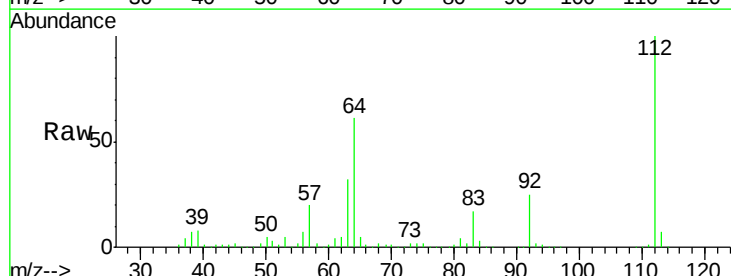
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



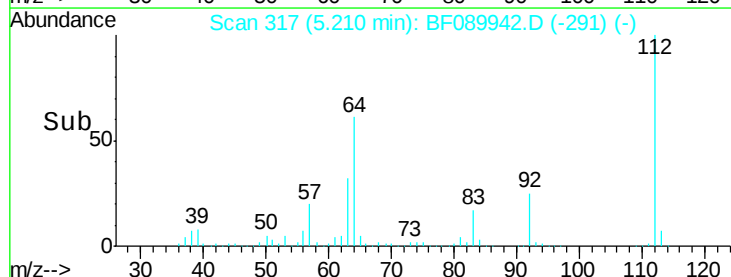
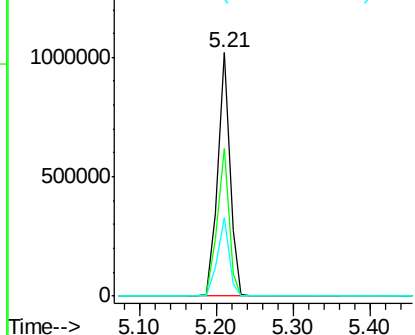
#5

2-Fluorophenol
Concen: 73.99 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.00 min
Lab File: BF089942.D
Acq: 31 Aug 2016 11:23

Tgt Ion:112 Resp: 1138345
Ion Ratio Lower Upper
112 100
64 60.8 41.1 61.7
63 32.0 21.2 31.8#



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: 74.92 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampleId :

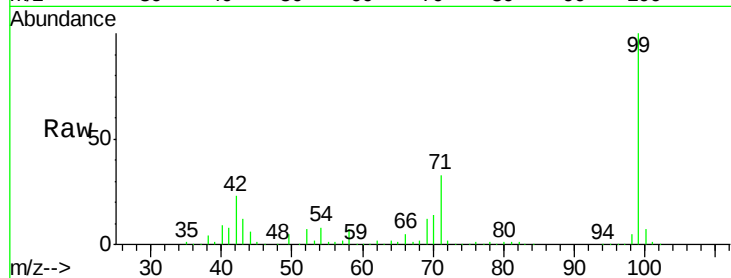
Tot Ion: 99 Resp: 1400612

Ion Ratio Lower Upper

99 100

42 23.1 18.6 27.8

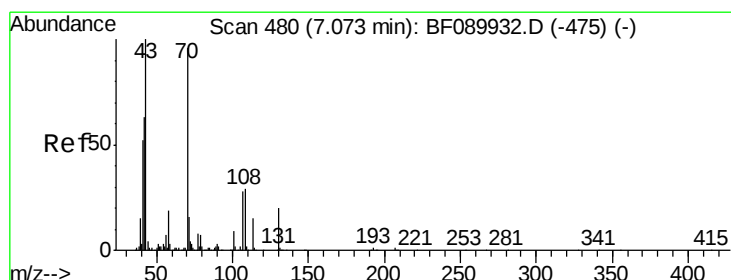
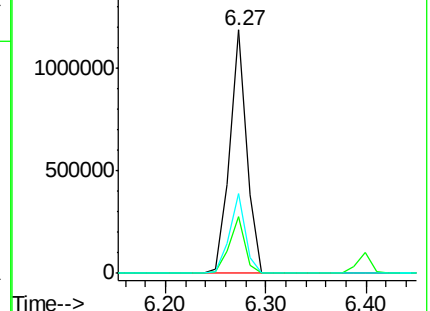
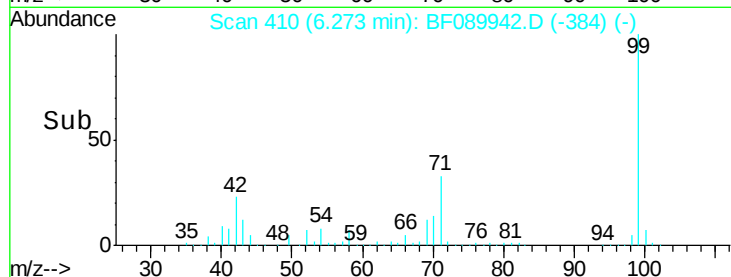
71 32.5 25.8 38.6



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: 9.32 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Tgt Ion: 70 Resp: 113496

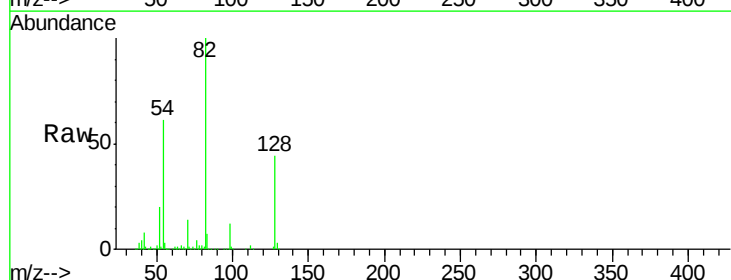
Ion Ratio Lower Upper

70 100

42 59.6 52.1 78.1

101 0.0 7.4 11.2#

130 2.1 17.0 25.4#

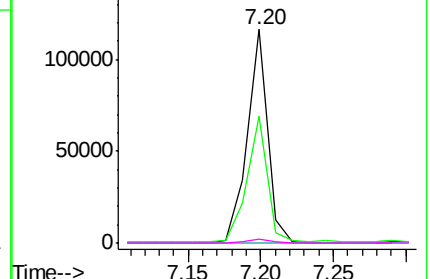
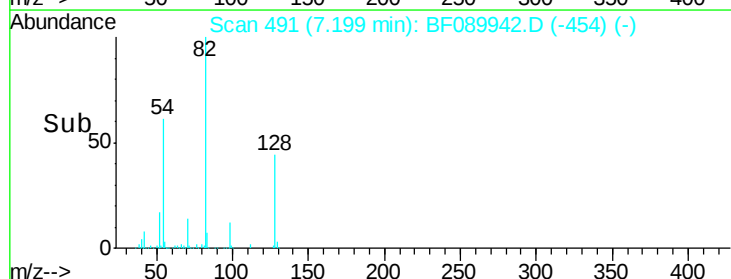


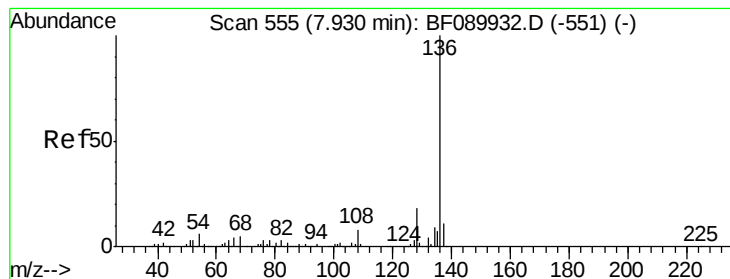
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1012069

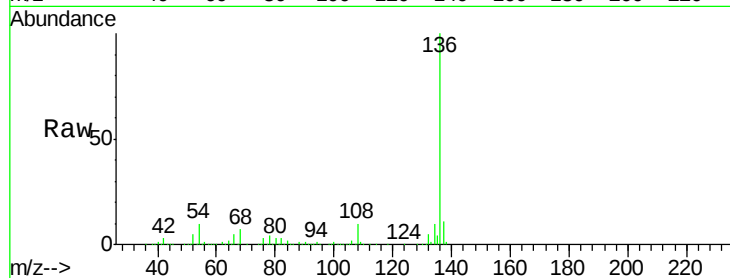
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 9.5 4.8 7.2#

68 6.6 3.7 5.5#

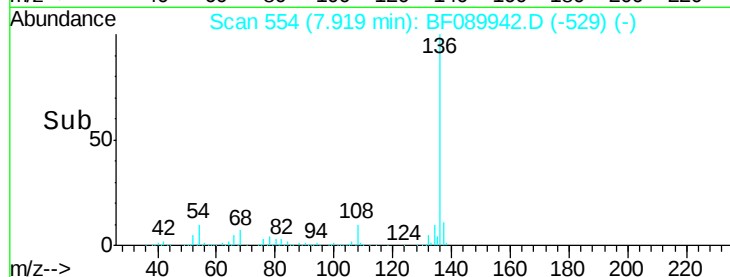


Abundance Ion 136.00 (135.70 to 136.70): E

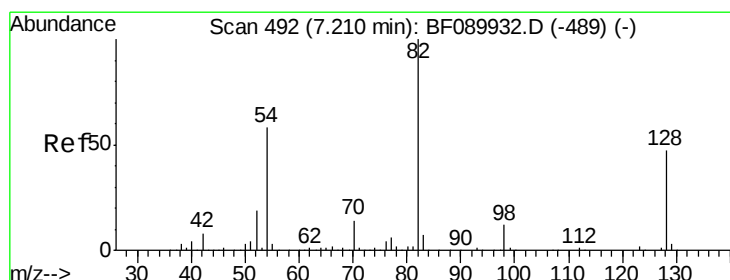
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.80 7.90 8.00 8.10



#23

Nitrobenzene-d5

Concen: 47.69 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

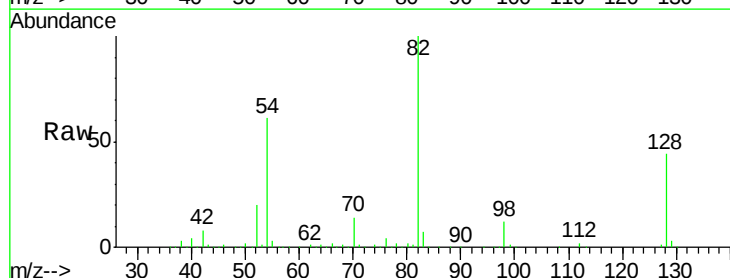
Tgt Ion: 82 Resp: 832208

Ion Ratio Lower Upper

82 100

128 43.7 37.8 56.8

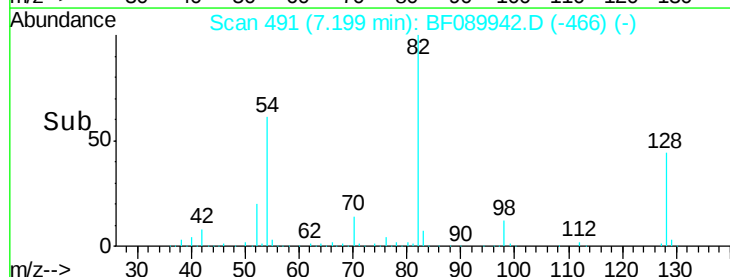
54 61.4 46.9 70.3



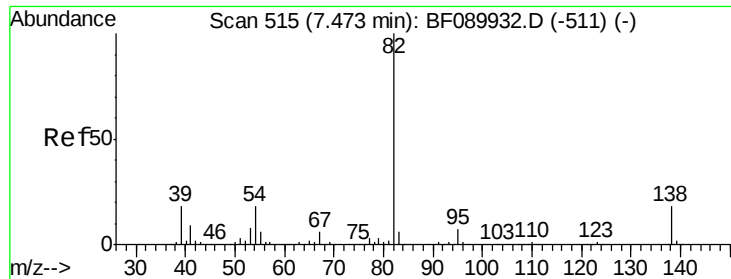
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.10 7.15 7.20 7.25 7.30



#25

Isophorone

Concen: 18.45 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampleId :

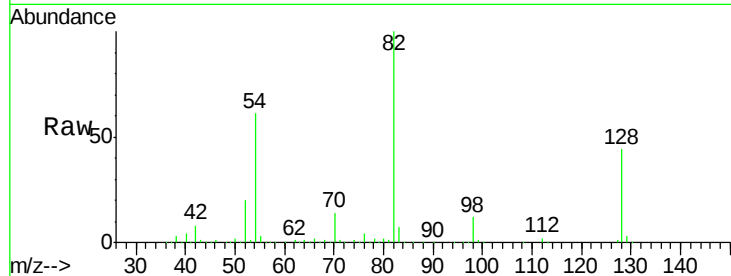
Tot Ion: 82 Resp: 654771

Ion Ratio Lower Upper

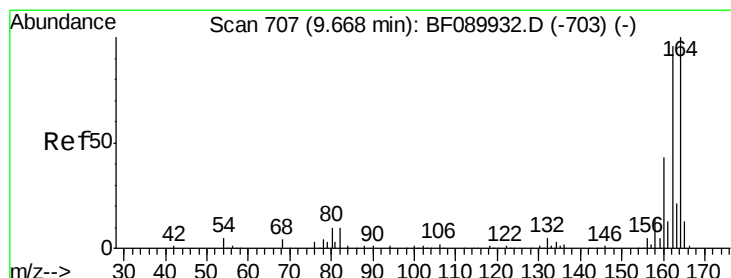
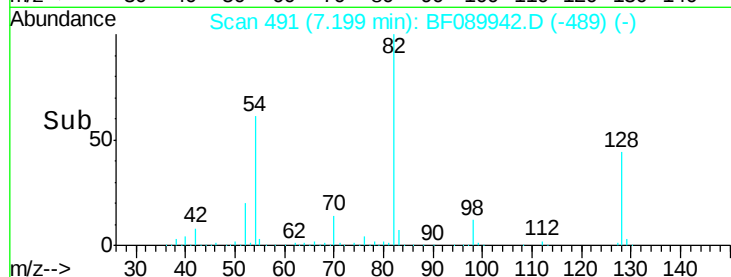
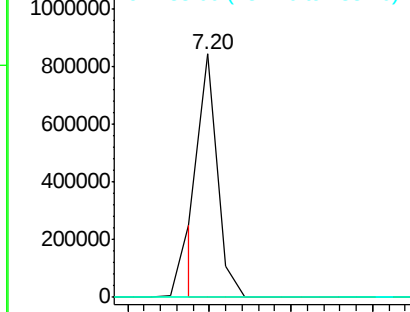
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

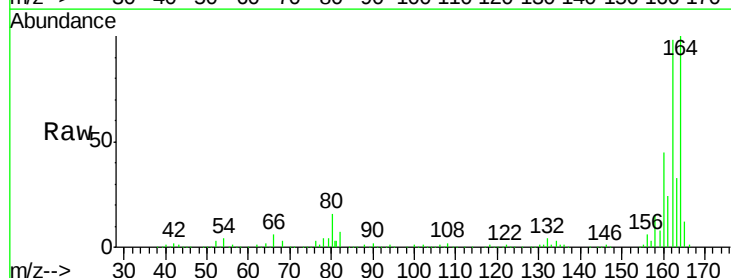
Tgt Ion:164 Resp: 540894

Ion Ratio Lower Upper

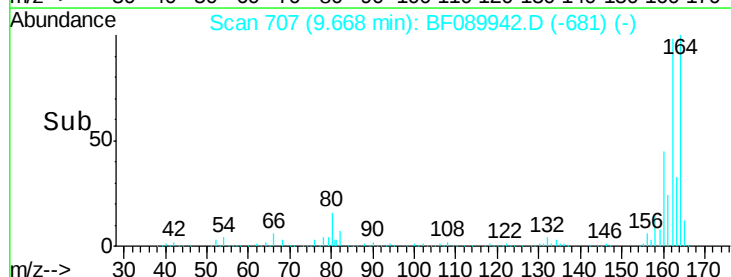
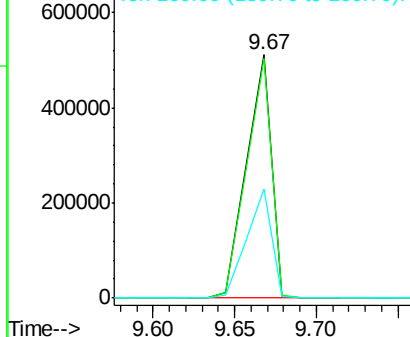
164 100

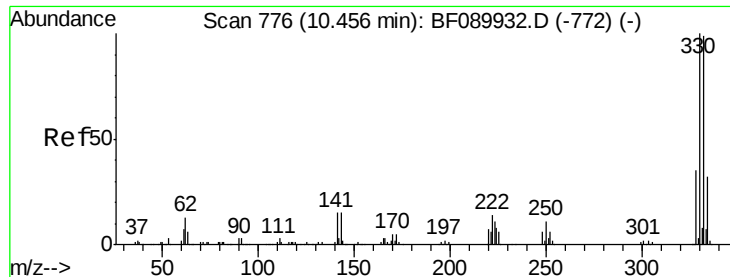
162 98.4 77.1 115.7

160 44.9 35.3 52.9



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

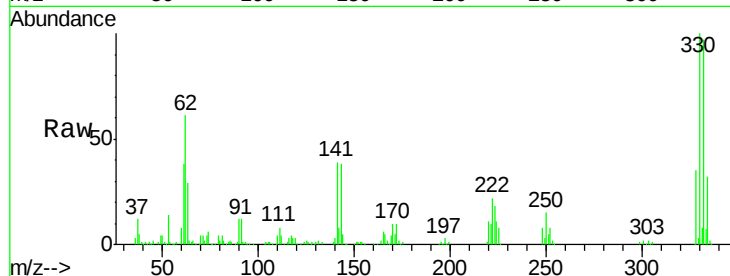




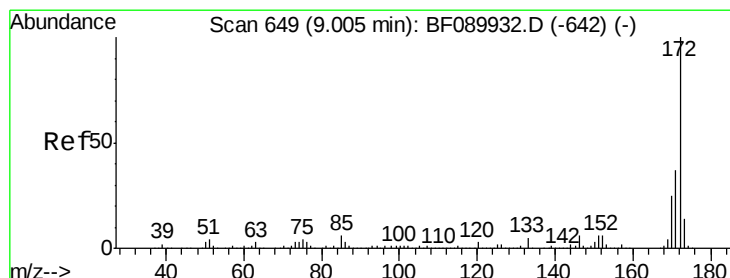
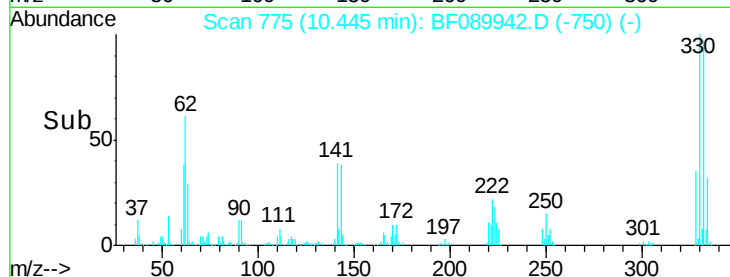
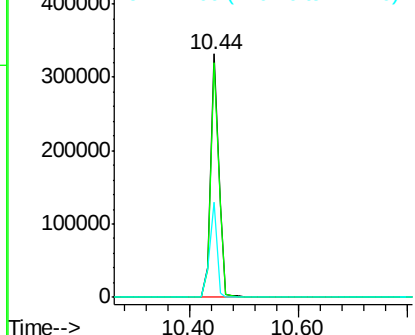
#41
 2,4,6-Tribromophenol
 Concen: 66.12 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089942.D
 Acq: 31 Aug 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 352834
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.6 117.8
 141 34.7 23.3 34.9

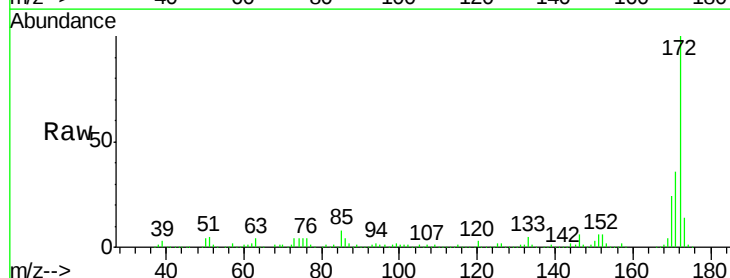


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

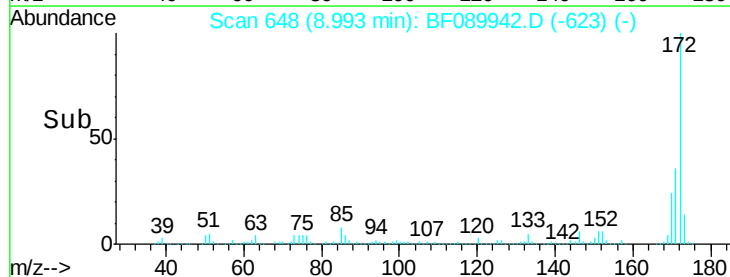
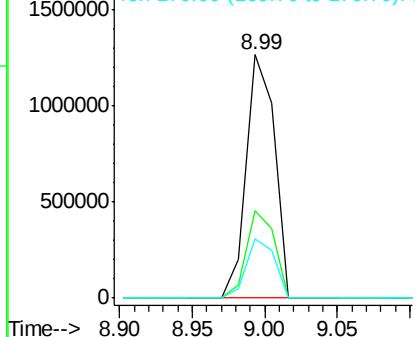


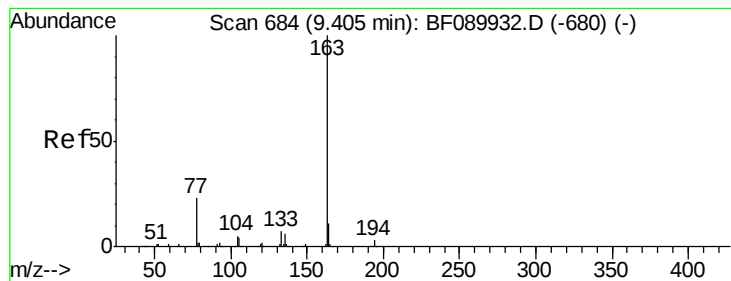
#44
 2-Fluorobiphenyl
 Concen: 51.74 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF089942.D
 Acq: 31 Aug 2016 11:23

Tgt Ion:172 Resp: 1704915
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.2
 170 24.5 20.1 30.1



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: 16.96 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampleId :

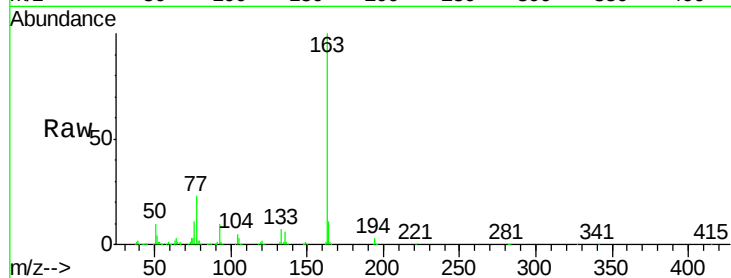
Tot Ion:163 Resp: 663026

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

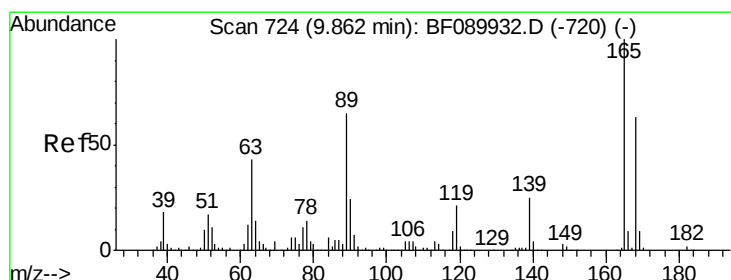
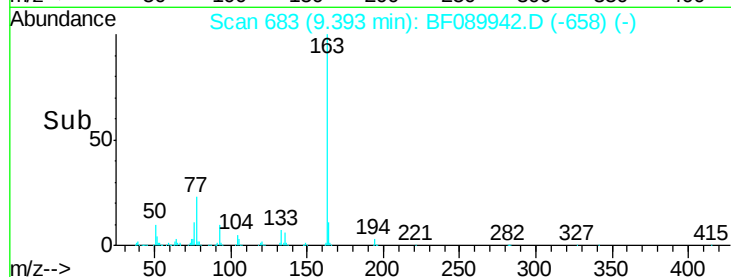
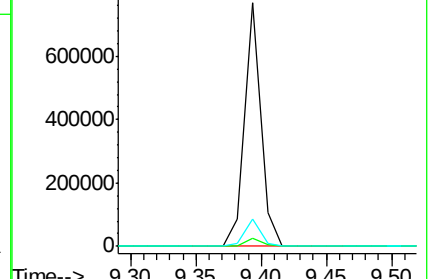
164 11.2 9.0 13.4



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



#56

2,4-Dinitrotoluene

Concen: 6.21 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.19 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Tgt Ion:165 Resp: 68522

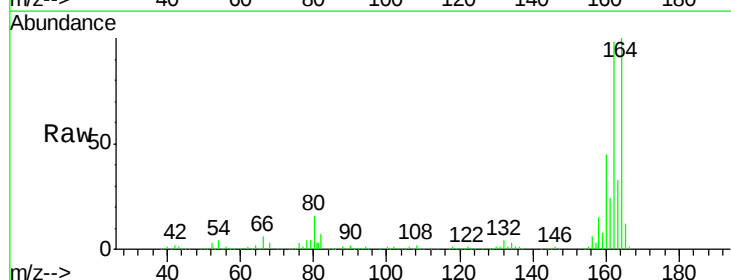
Ion Ratio Lower Upper

165 100

63 1.1 32.5 48.7#

89 1.4 48.3 72.5#

182 0.0 1.7 2.5#

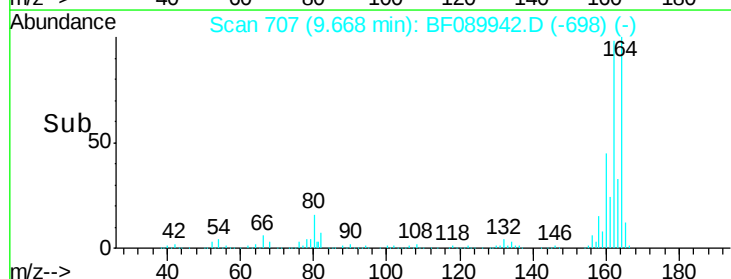
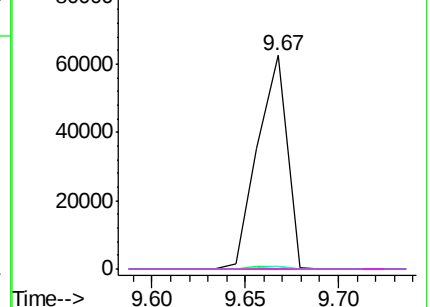


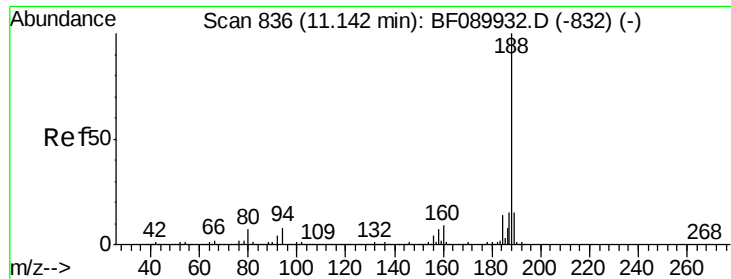
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampled :

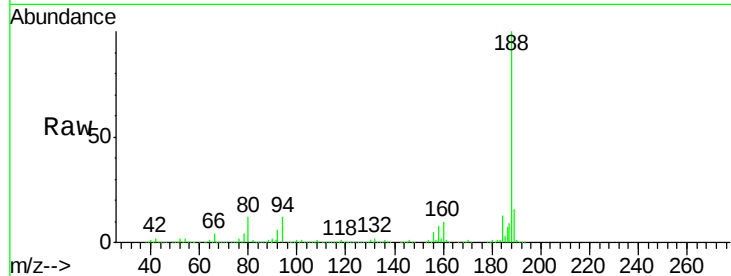
Tot Ion:188 Resp: 1003359

Ion Ratio Lower Upper

188 100

94 11.9 5.9 8.9#

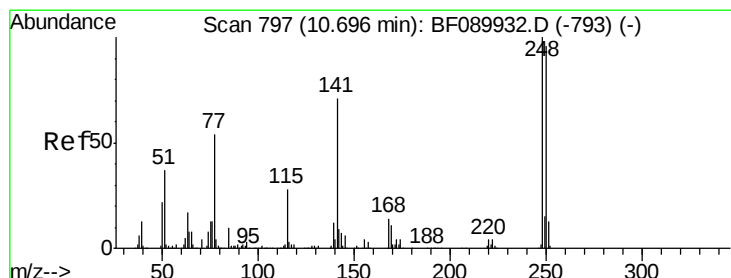
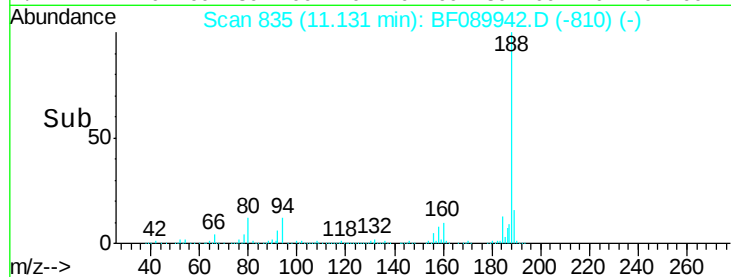
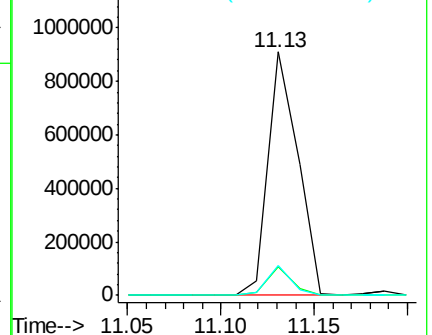
80 12.4 5.8 8.8#



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: 2.36 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

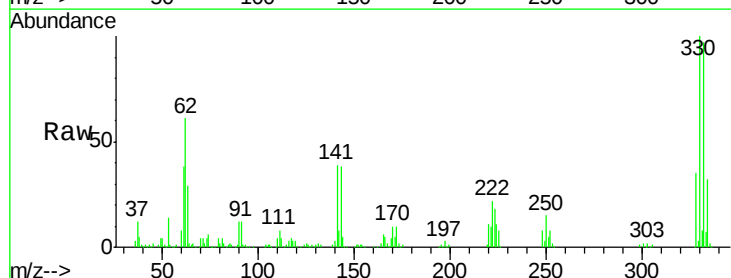
Tgt Ion:248 Resp: 23866

Ion Ratio Lower Upper

248 100

250 194.5 77.3 115.9#

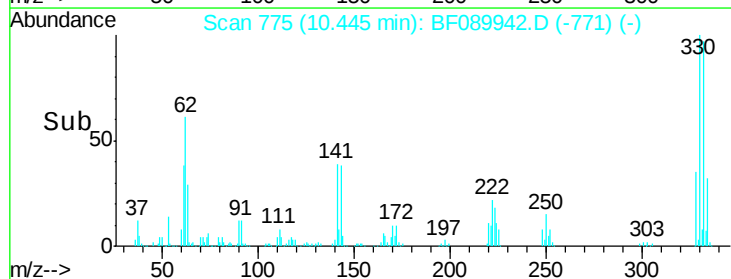
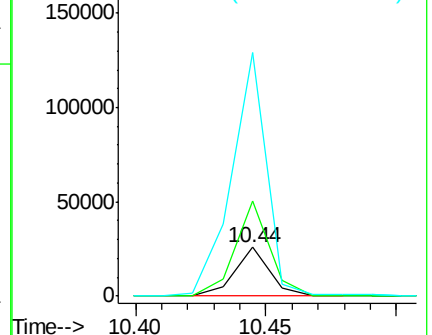
141 500.8 55.8 83.8#

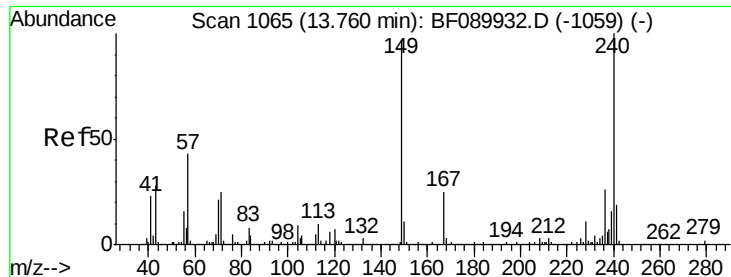


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

Instrument :

BNA_F

ClientSampleId :

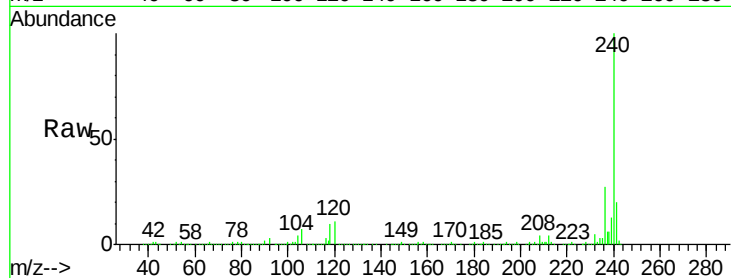
Tot Ion:240 Resp: 816788

Ion Ratio Lower Upper

240 100

120 11.4 5.7 8.5#

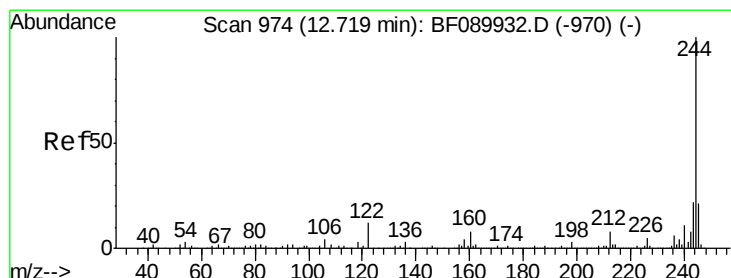
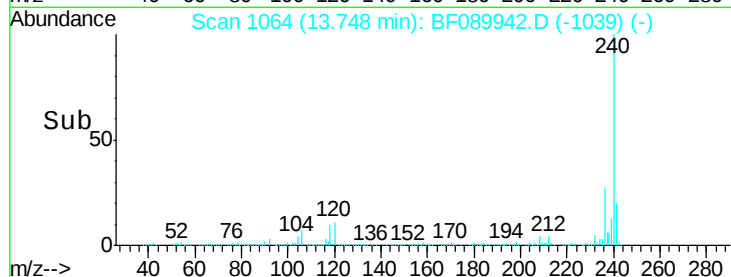
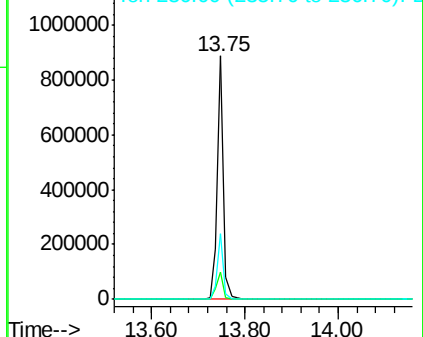
236 27.0 21.3 31.9



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



#78

Terphenyl-d14

Concen: 48.96 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089942.D

Acq: 31 Aug 2016 11:23

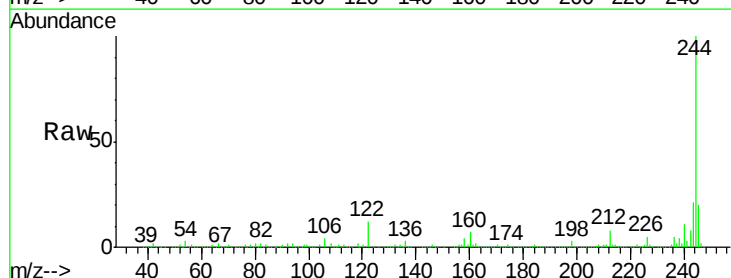
Tgt Ion:244 Resp: 1619000

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

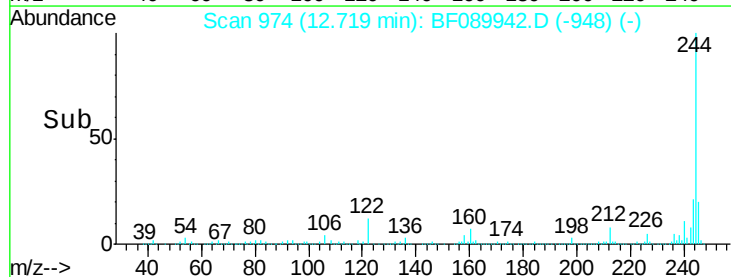
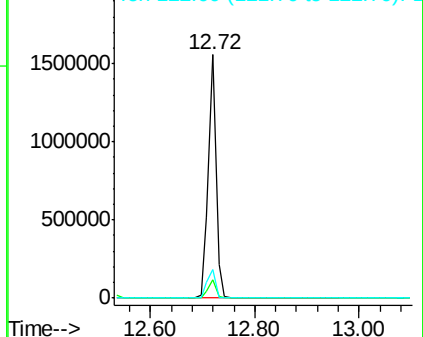
122 11.8 9.6 14.4

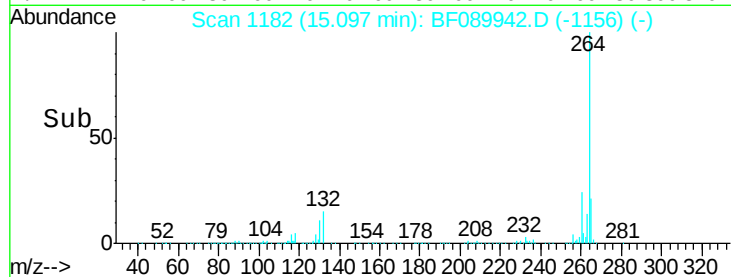
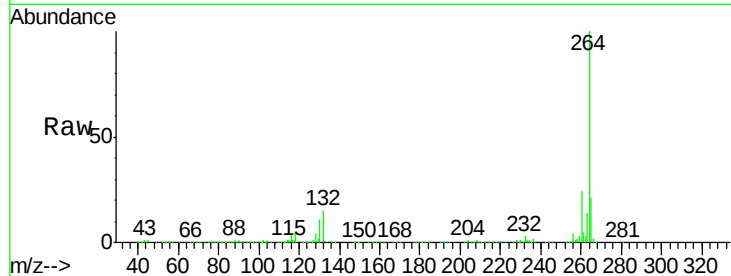
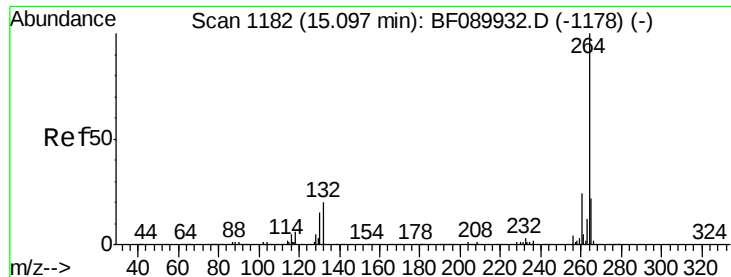


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF089942.D
 Acq: 31 Aug 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	595455
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	20.8	17.4	26.2

