

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089951.D
 Acq On : 31 Aug 2016 15:36
 Operator : UM/SJ
 Sample : H4620-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECT-FILL

Quant Time: Aug 31 17:54:38 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

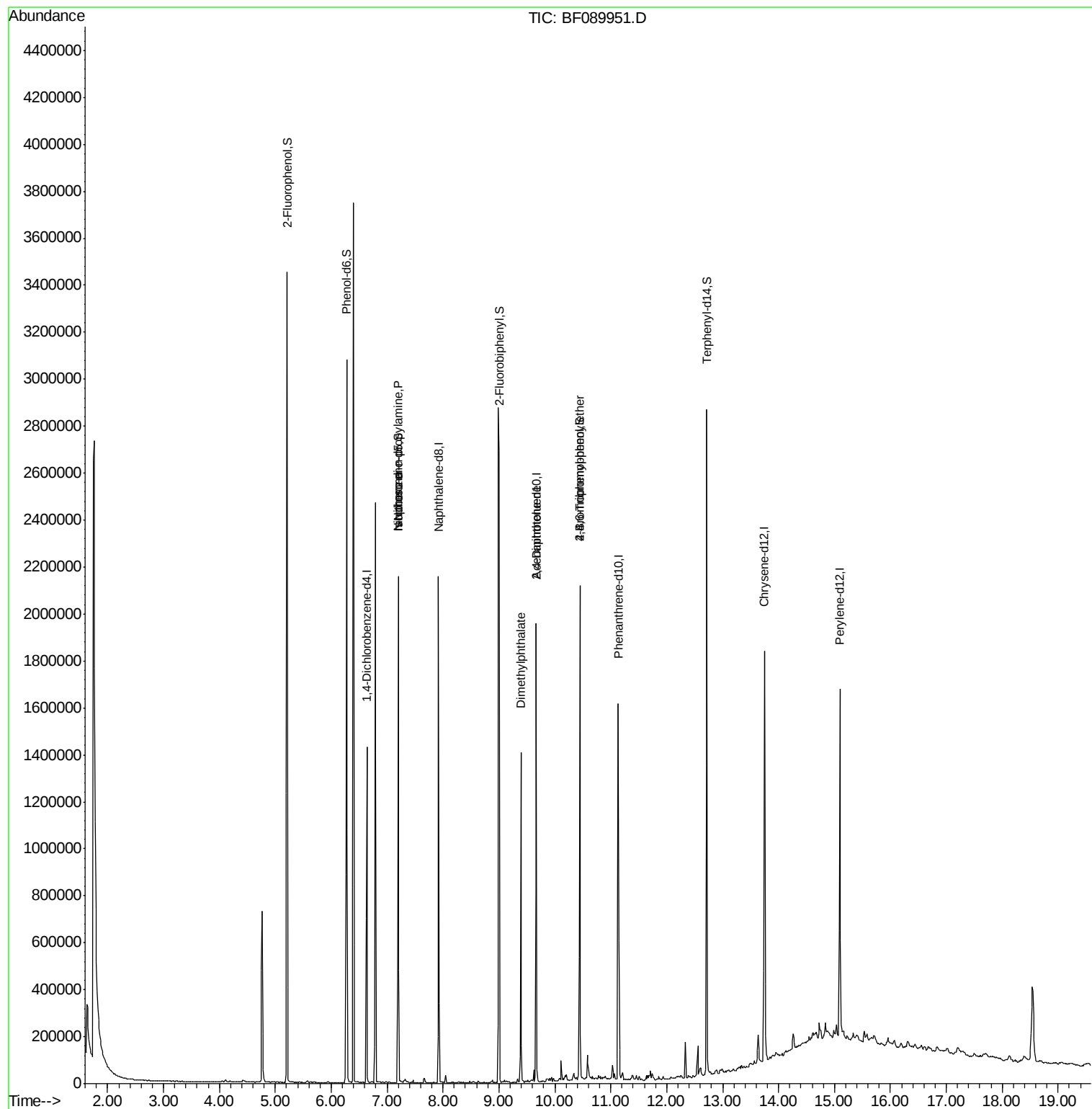
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	251558	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	899503	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	437315	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	646534	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	593482	20.00	ng	-0.01
86) Perylene-d12	15.10	264	617127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1013010	64.46	ng	0.00
7) Phenol-d6	6.27	99	1244084	65.15	ng	0.00
23) Nitrobenzene-d5	7.20	82	696405	44.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	231279	53.61	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1419414	53.28	ng	0.00
78) Terphenyl-d14	12.72	244	1008908	41.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	93651	7.53	ng	# 83
25) Isophorone	7.20	82	595639	18.89	ng	# 65
49) Dimethylphthalate	9.39	163	506991	16.04	ng	99
56) 2,4-Dinitrotoluene	9.67	165	56797	6.37	ng	# 29
66) 4-Bromophenyl-phenylether	10.44	248	16541	2.54	ng	# 1

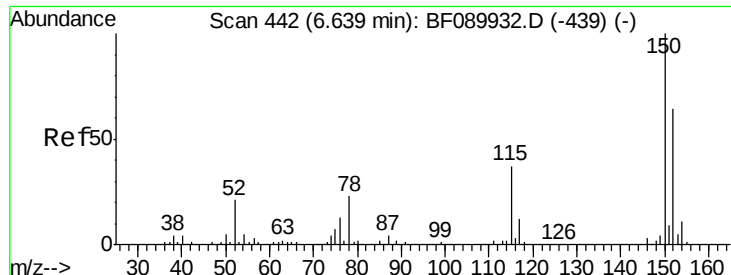
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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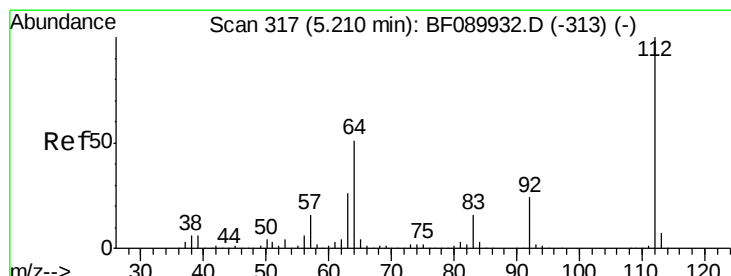
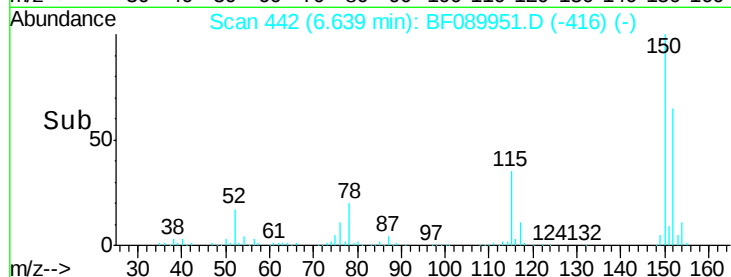
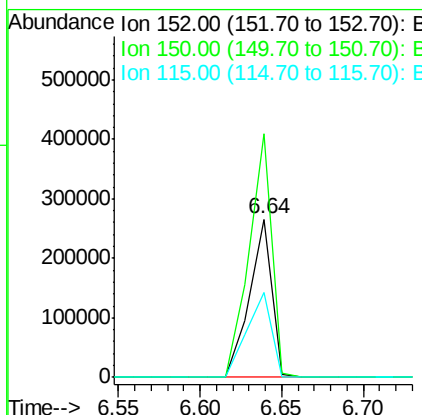
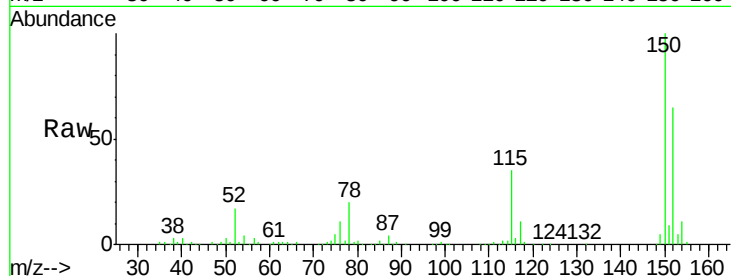


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF089951.D
 Acq: 31 Aug 2016 15:36

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECT-FILL

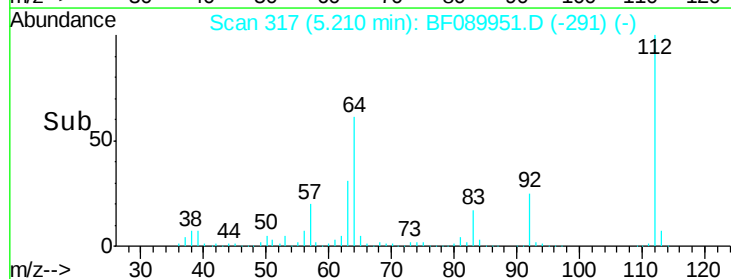
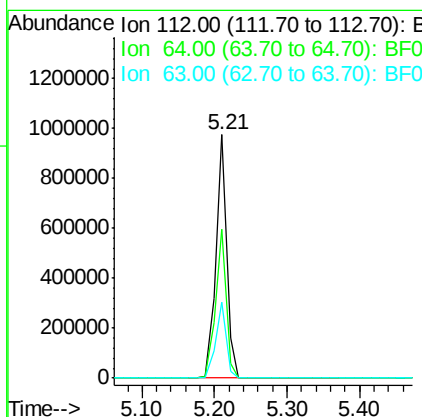
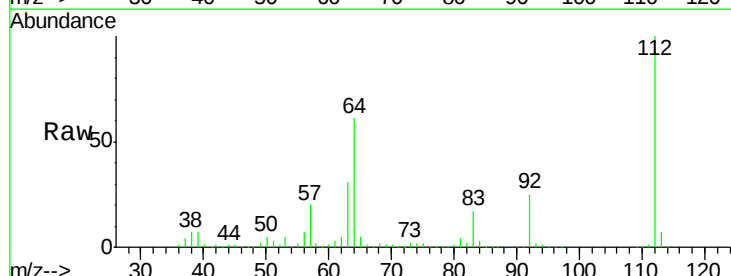
Tot Ion:152 Resp: 251558
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.4 191.2
 115 54.0 46.3 69.5

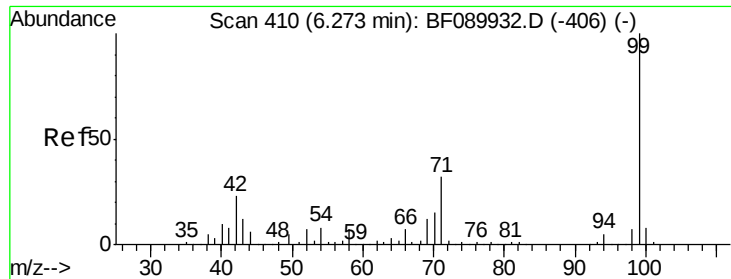


#5

2-Fluorophenol
 Concen: 64.46 ng
 RT: 5.21 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: BF089951.D
 Acq: 31 Aug 2016 15:36

Tgt Ion:112 Resp: 1013010
 Ion Ratio Lower Upper
 112 100
 64 61.1 41.1 61.7
 63 31.4 21.2 31.8





#7

Phenol-d6

Concen: 65.15 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECT-FILL

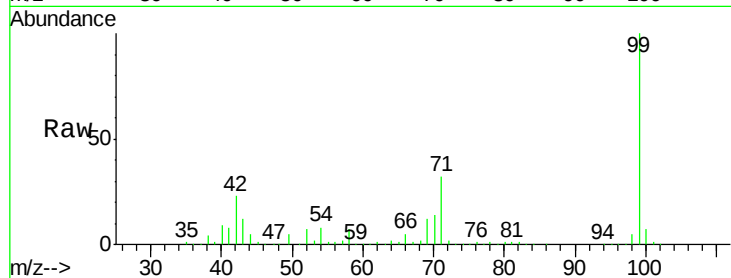
Tot Ion: 99 Resp: 1244084

Ion Ratio Lower Upper

99 100

42 23.0 18.6 27.8

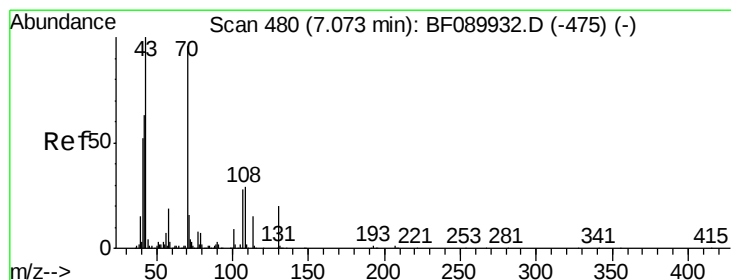
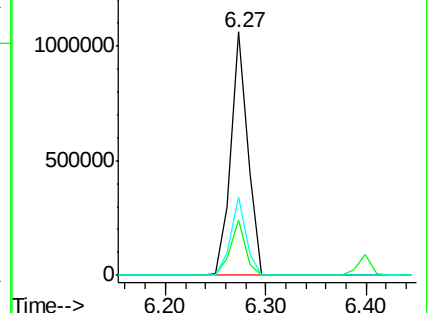
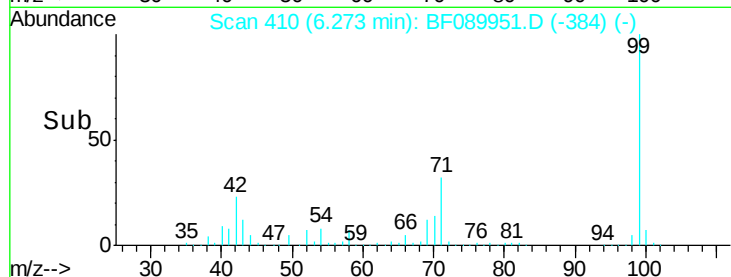
71 32.2 25.8 38.6



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: 7.53 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

Tgt Ion: 70 Resp: 93651

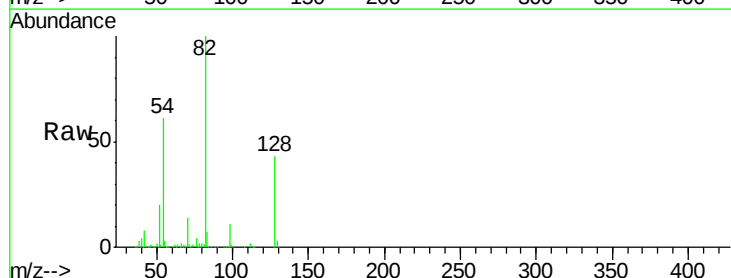
Ion Ratio Lower Upper

70 100

42 58.7 52.1 78.1

101 0.0 7.4 11.2#

130 1.8 17.0 25.4#

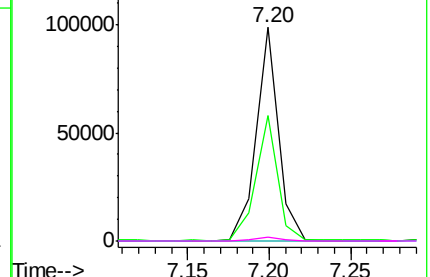
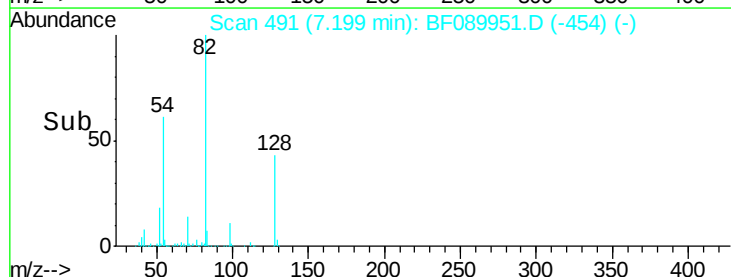


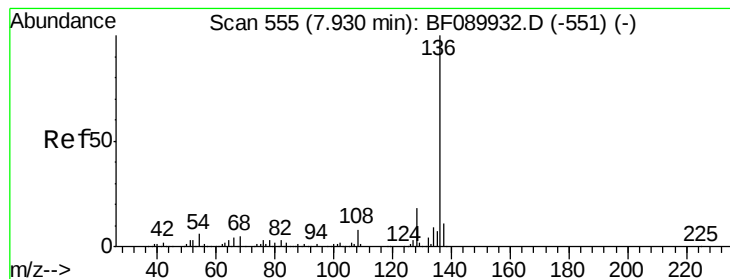
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECT-FILL

Tot Ion:136 Resp: 899503

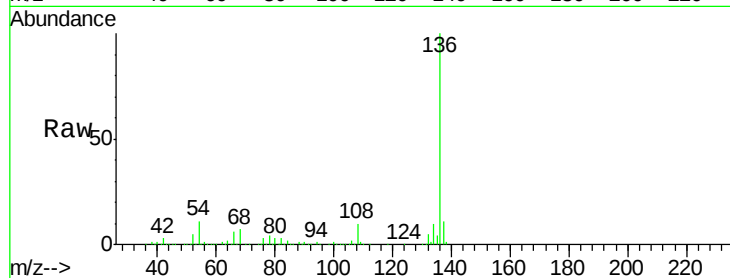
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 10.6 4.8 7.2#

68 7.2 3.7 5.5#

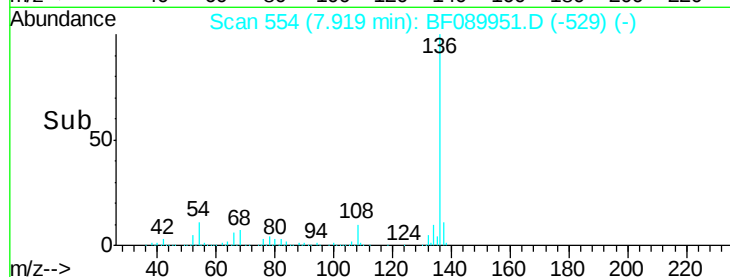


Abundance Ion 136.00 (135.70 to 136.70): E

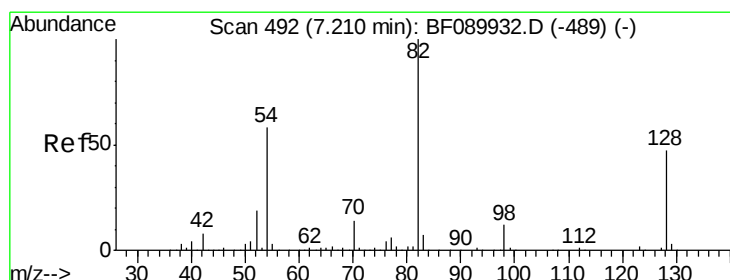
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 44.90 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

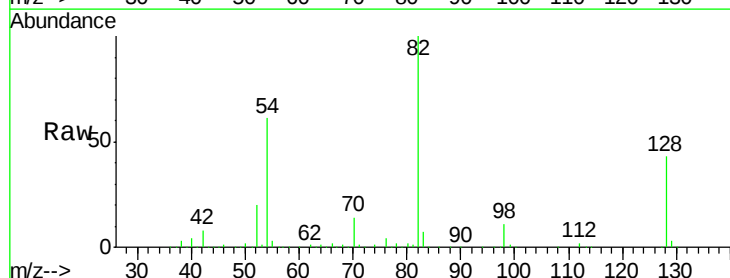
Tgt Ion: 82 Resp: 696405

Ion Ratio Lower Upper

82 100

128 42.6 37.8 56.8

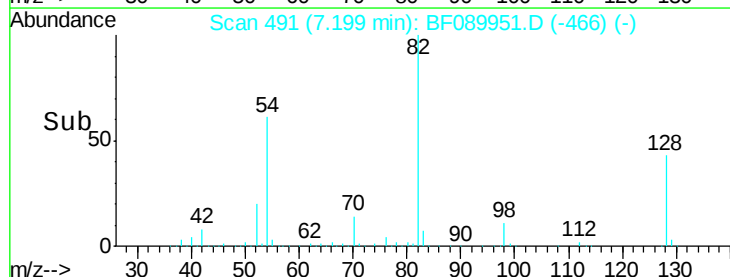
54 61.1 46.9 70.3



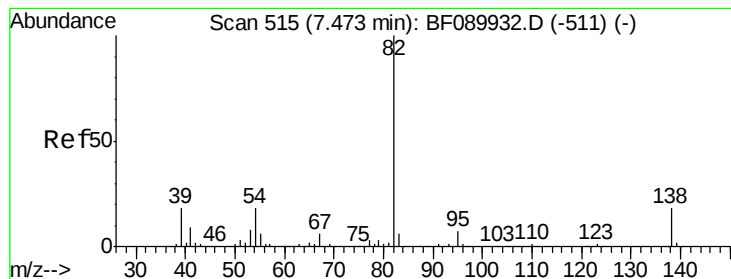
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 18.89 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECT-FILL

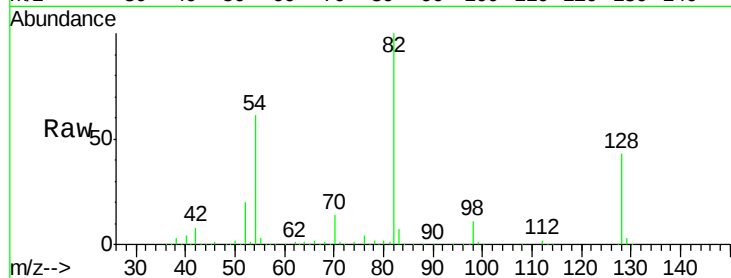
Tot Ion: 82 Resp: 595639

Ion Ratio Lower Upper

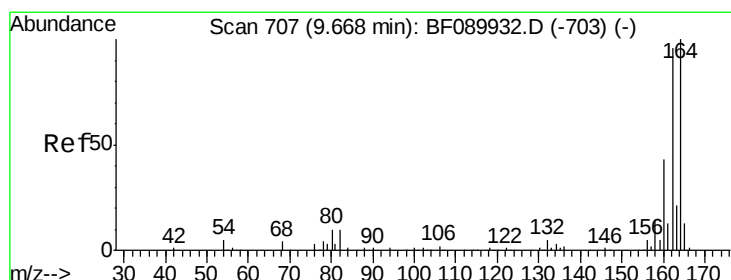
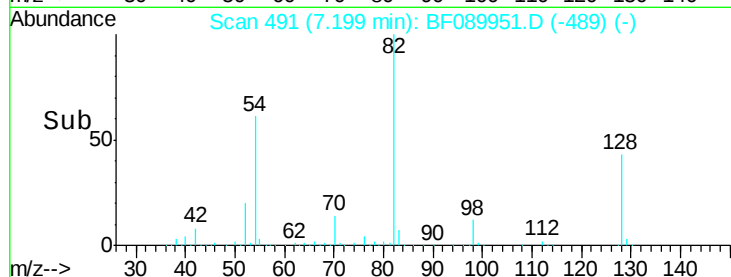
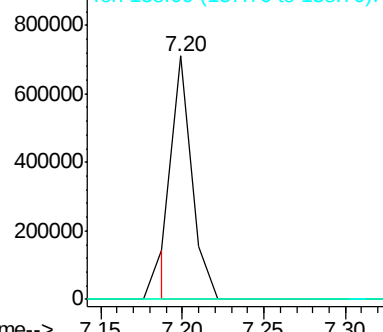
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

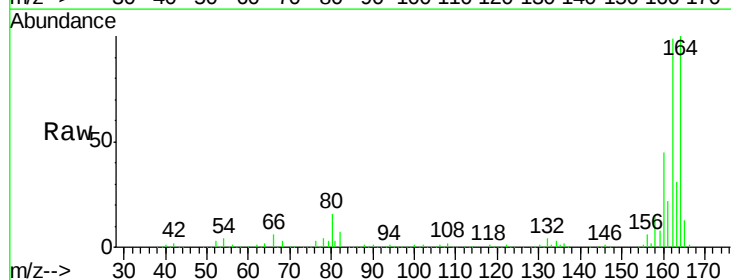
Tgt Ion: 164 Resp: 437315

Ion Ratio Lower Upper

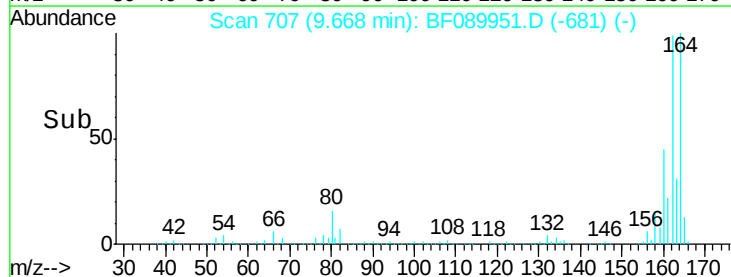
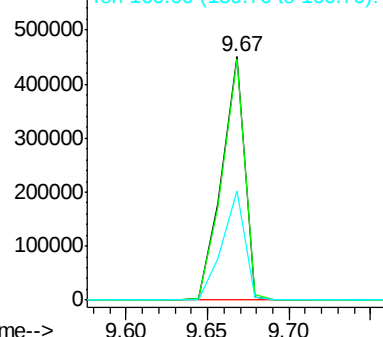
164 100

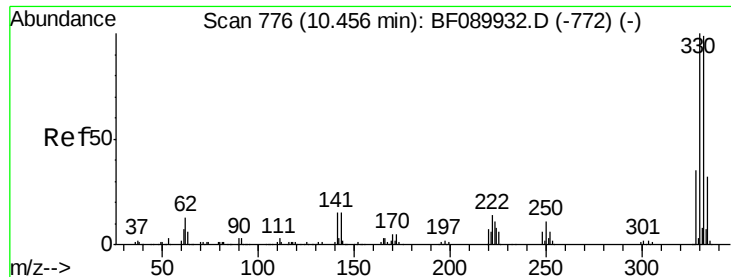
162 98.8 77.1 115.7

160 44.8 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

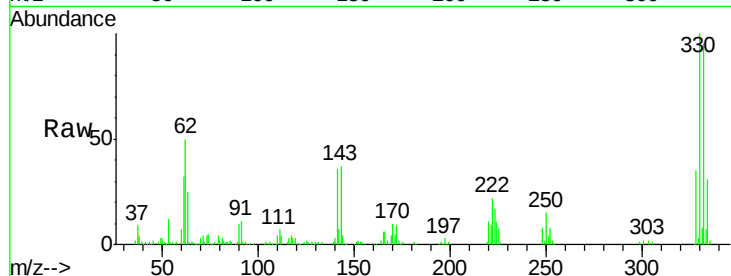




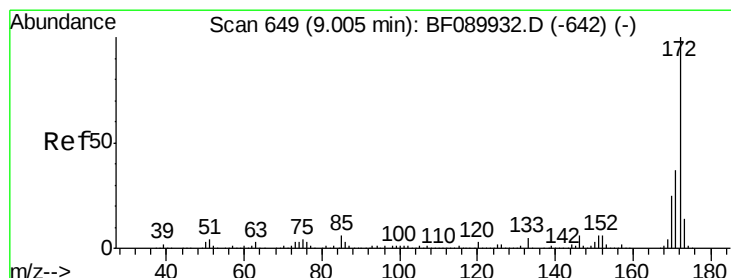
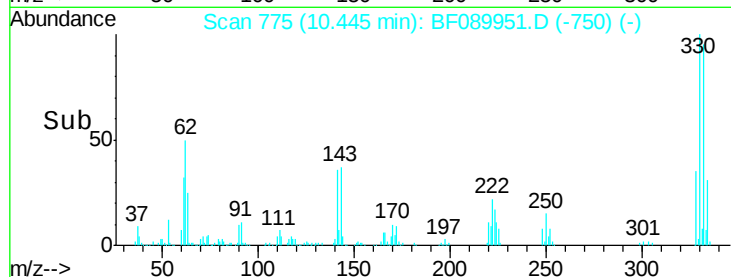
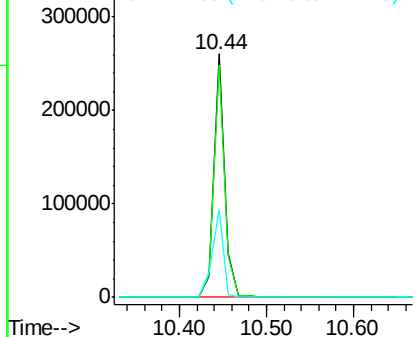
#41
 2,4,6-Tribromophenol
 Concen: 53.61 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089951.D
 Acq: 31 Aug 2016 15:36

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECT-FILL

Tot Ion:330 Resp: 231279
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.6 117.8
 141 37.1 23.3 34.9#

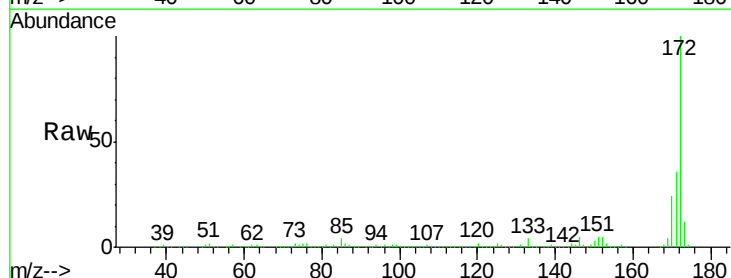


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

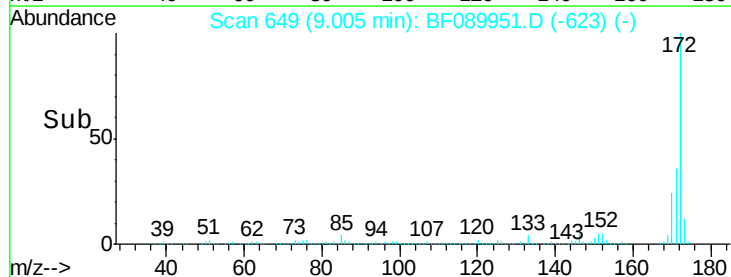
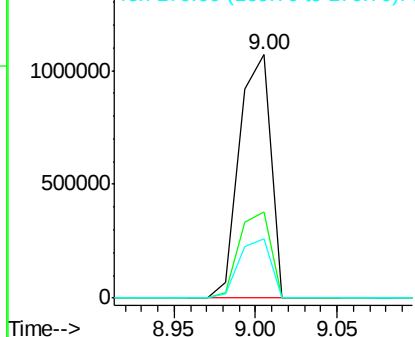


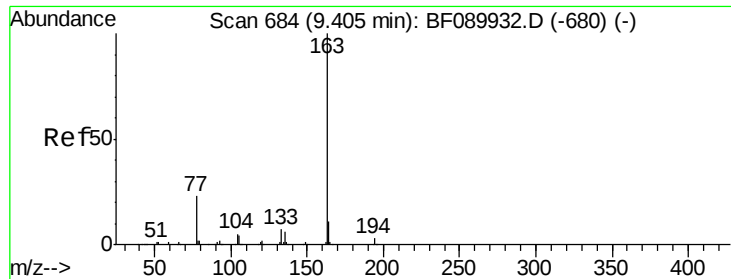
#44
 2-Fluorobiphenyl
 Concen: 53.28 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089951.D
 Acq: 31 Aug 2016 15:36

Tgt Ion:172 Resp: 1419414
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.2
 170 24.4 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

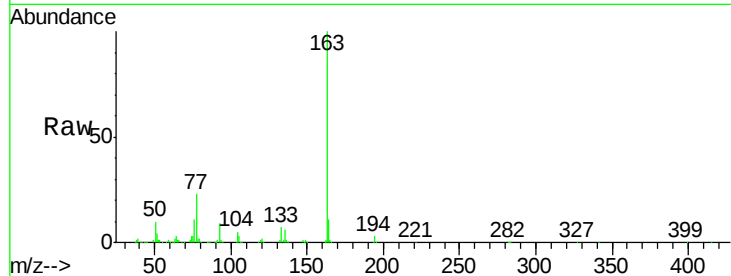




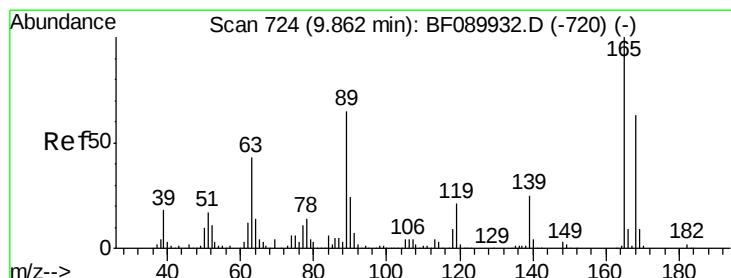
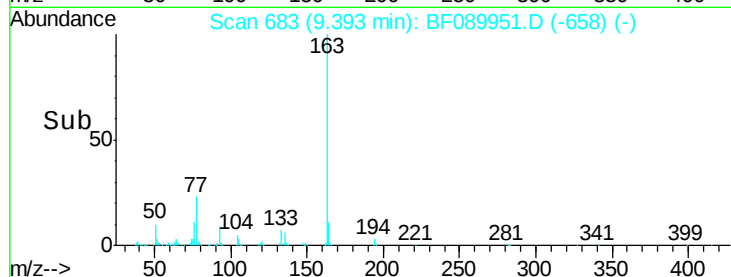
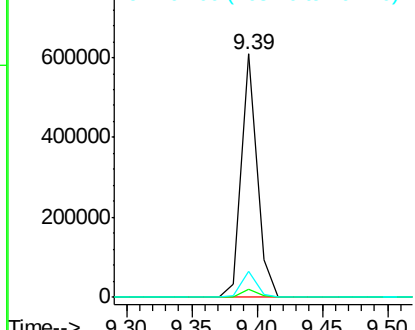
#49
Dimethylphthalate
Concen: 16.04 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089951.D
Acq: 31 Aug 2016 15:36

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECT-FILL

Tot Ion:163 Resp: 506991
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 9.0 13.4

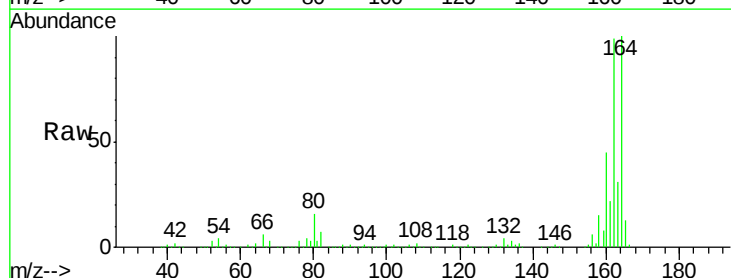


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

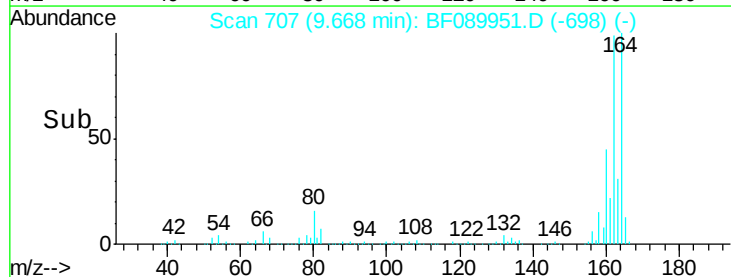
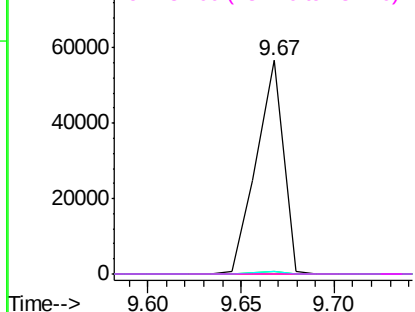


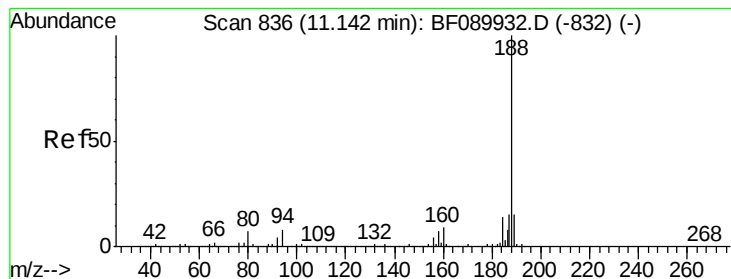
#56
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF089951.D
Acq: 31 Aug 2016 15:36

Tgt Ion:165 Resp: 56797
Ion Ratio Lower Upper
165 100
63 1.2 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: BF089951.D

Acq: 31 Aug 2016 15:36

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECT-FILL

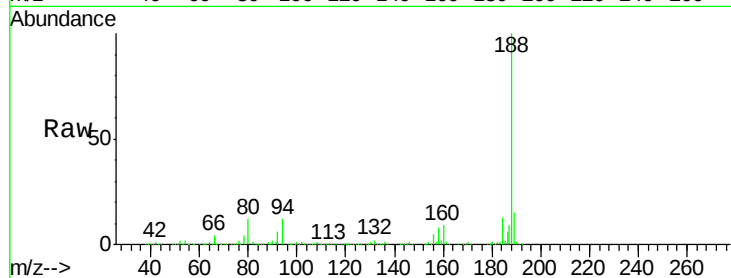
Tot Ion:188 Resp: 646534

Ion Ratio Lower Upper

188 100

94 12.1 5.9 8.9#

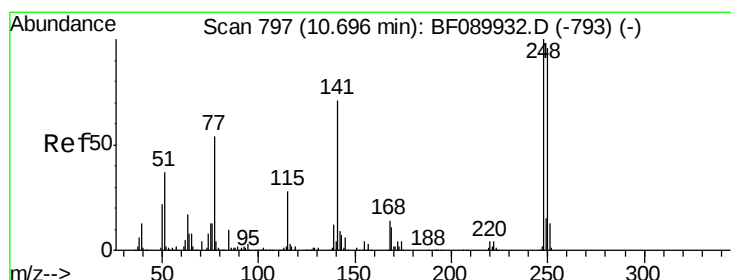
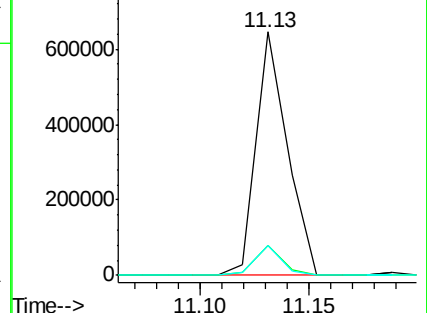
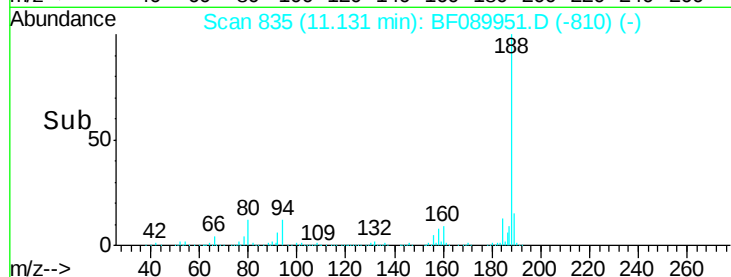
80 12.3 5.8 8.8#



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: 2.54 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

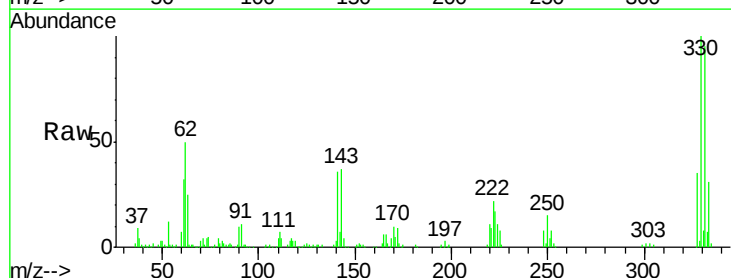
Tgt Ion:248 Resp: 16541

Ion Ratio Lower Upper

248 100

250 199.6 77.3 115.9#

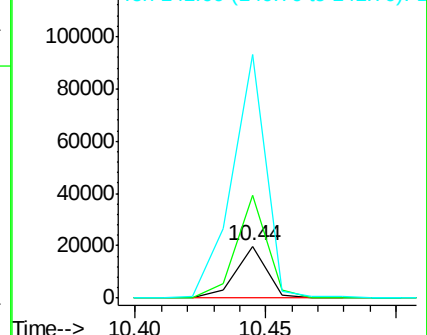
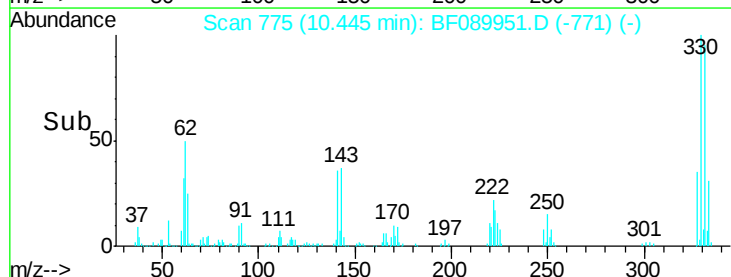
141 469.8 55.8 83.8#

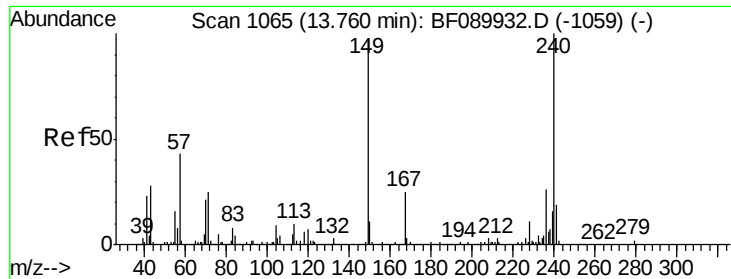


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF089951.D

Acq: 31 Aug 2016 15:36

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECT-FILL

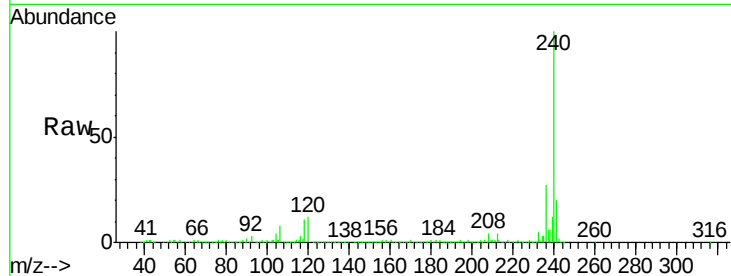
Tot Ion:240 Resp: 593482

Ion Ratio Lower Upper

240 100

120 12.4 5.7 8.5#

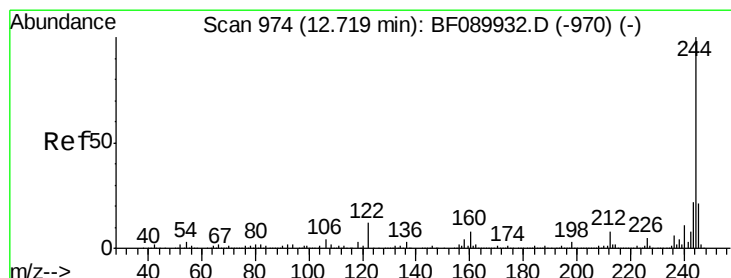
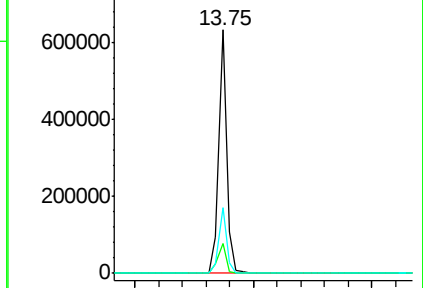
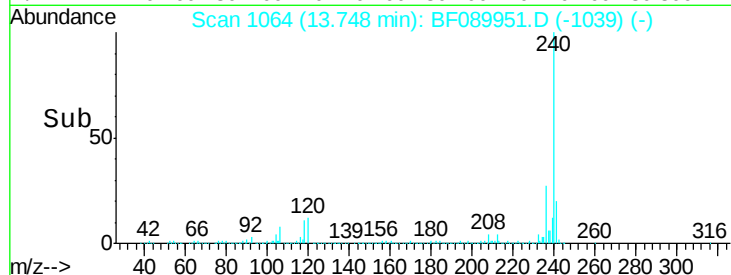
236 27.2 21.3 31.9



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: 41.99 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089951.D

Acq: 31 Aug 2016 15:36

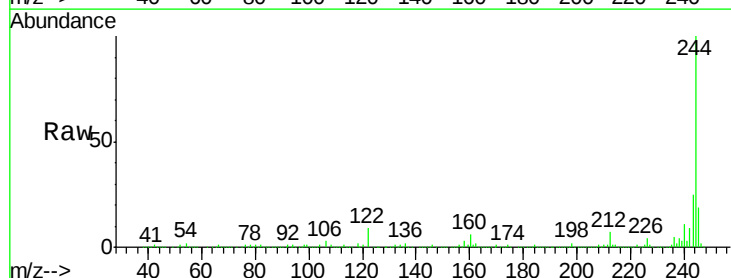
Tgt Ion:244 Resp: 1008908

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

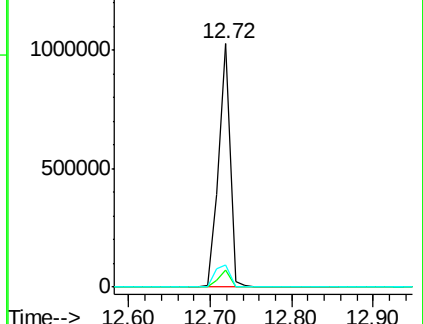
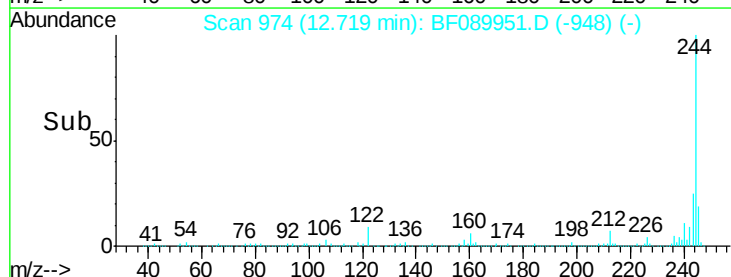
122 8.9 9.6 14.4#

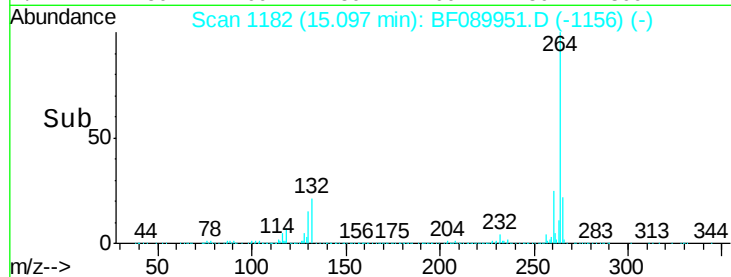
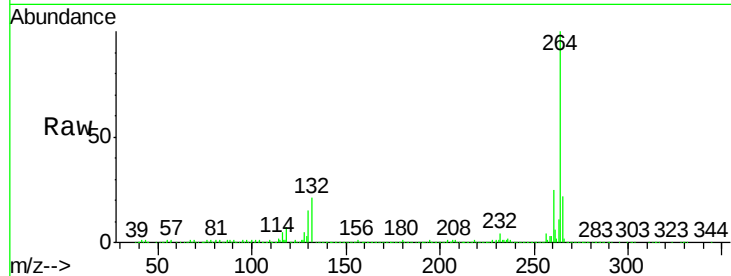
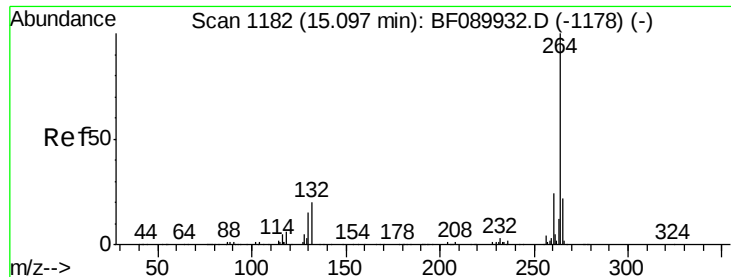


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF089951.D
Acq: 31 Aug 2016 15:36

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECT-FILL

Tot Ion:	264	Resp:	617127
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.0	17.4	26.2

