

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089952.D
 Acq On : 31 Aug 2016 16:04
 Operator : UM/SJ
 Sample : H4621-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 31 17:54:49 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

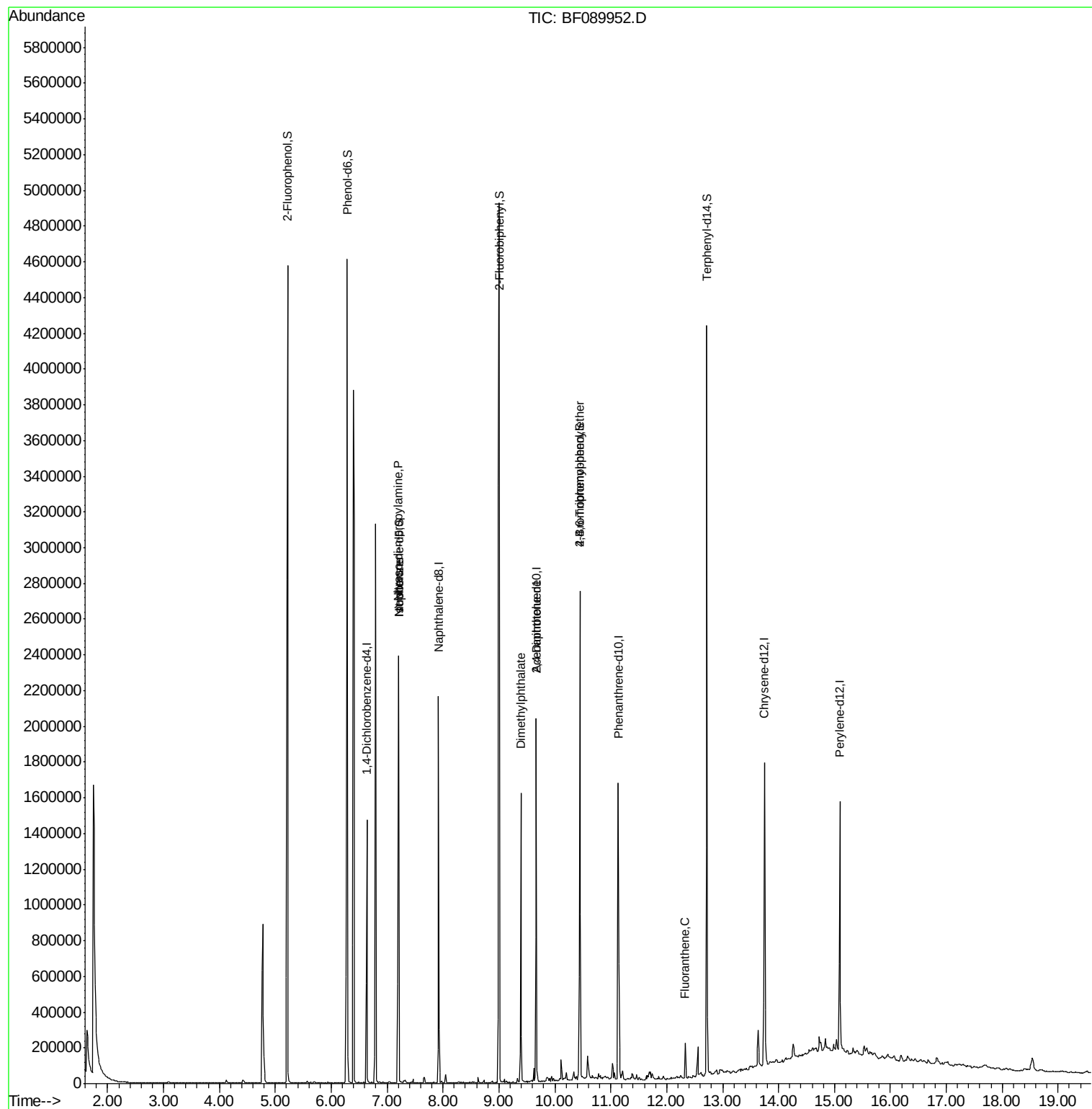
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	237383	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	886000	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	449216	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	672119	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	557422	20.00	ng	-0.01
86) Perylene-d12	15.10	264	564577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1551713	104.63	ng	0.01
7) Phenol-d6	6.28	99	1890099	104.89	ng	0.01
23) Nitrobenzene-d5	7.21	82	1204884	78.87	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	384887	86.85	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2053190	75.03	ng	0.00
78) Terphenyl-d14	12.72	244	1358848	60.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	159023	13.54	ng	# 84
25) Isophorone	7.21	82	1077931	34.70	ng	# 65
49) Dimethylphthalate	9.39	163	618562	19.05	ng	100
56) 2,4-Dinitrotoluene	9.67	165	58935	6.44	ng	# 29
66) 4-Bromophenyl-phenylether	10.44	248	23404	3.46	ng	# 1
74) Fluoranthene	12.33	202	77169	2.20	ng	94

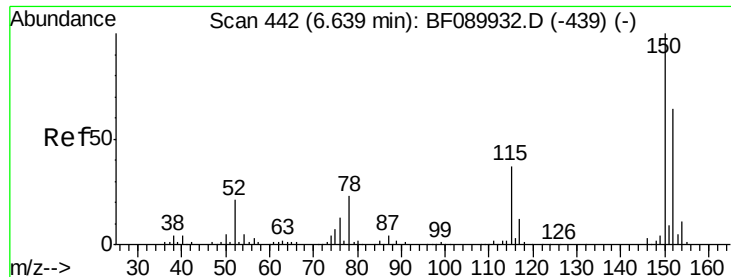
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
Data File : BF089952.D
Acq On : 31 Aug 2016 16:04
Operator : UM/SJ
Sample : H4621-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 31 17:54:49 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

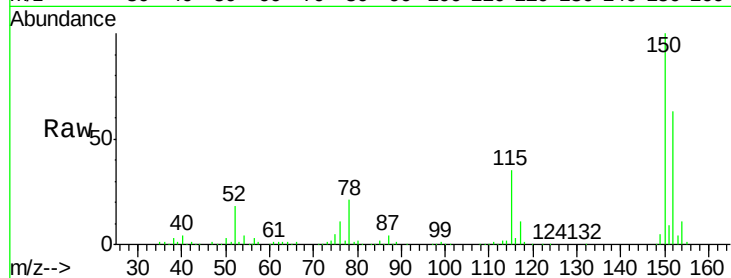
Tot Ion:152 Resp: 237383

Ion Ratio Lower Upper

152 100

150 158.3 127.4 191.2

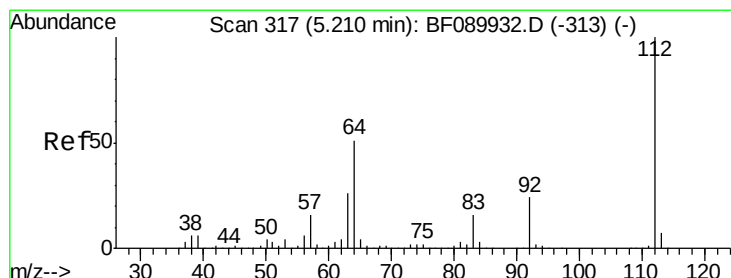
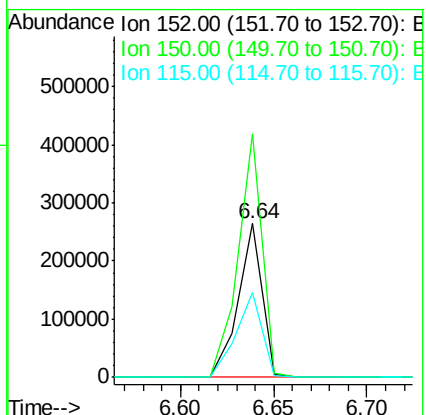
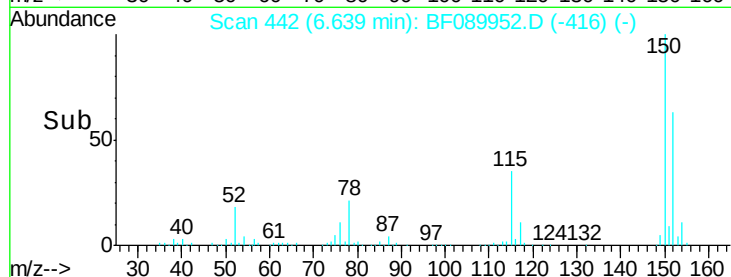
115 55.6 46.3 69.5



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: 104.63 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

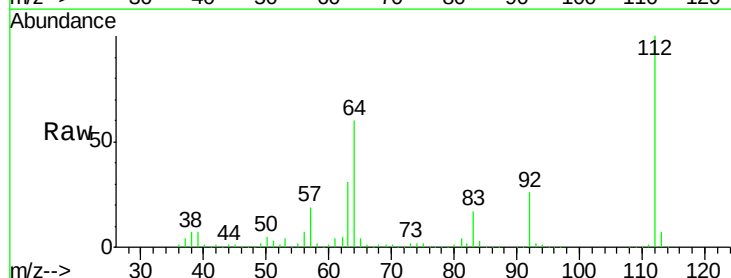
Tgt Ion:112 Resp: 1551713

Ion Ratio Lower Upper

112 100

64 59.8 41.1 61.7

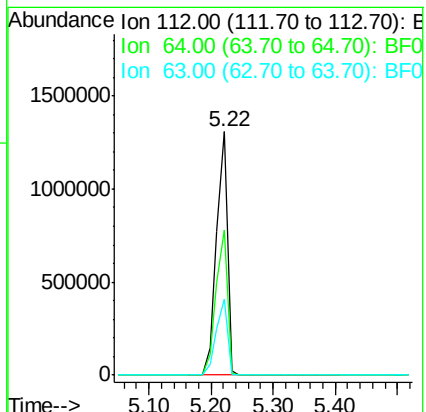
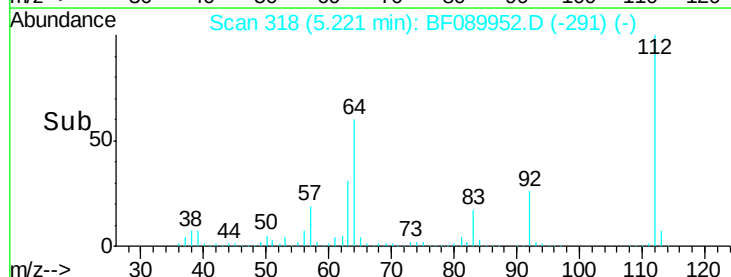
63 31.1 21.2 31.8

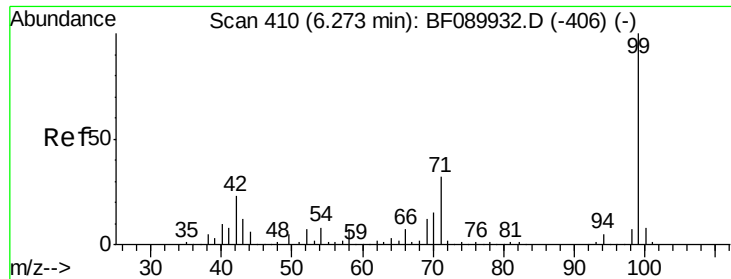


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.89 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

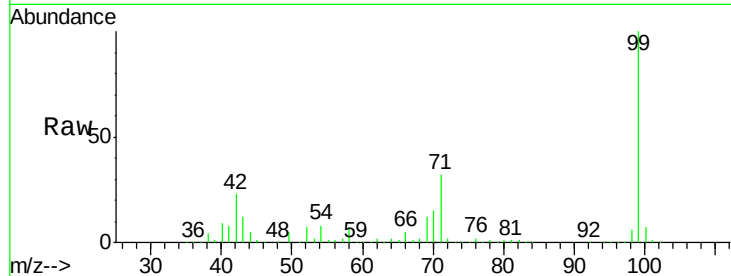
Tot Ion: 99 Resp: 1890099

Ion Ratio Lower Upper

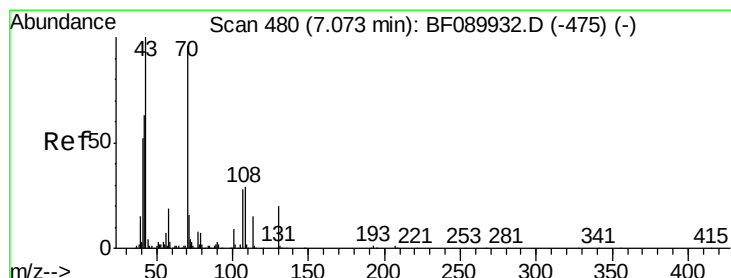
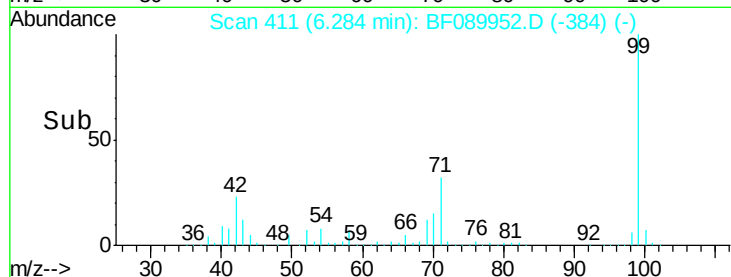
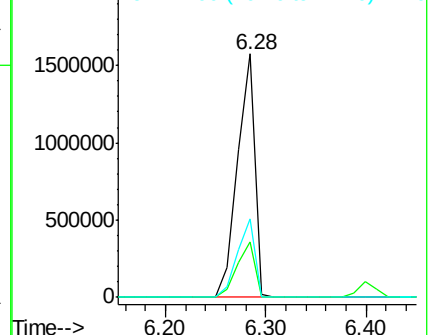
99 100

42 22.8 18.6 27.8

71 32.4 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: 13.54 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Tgt Ion: 70 Resp: 159023

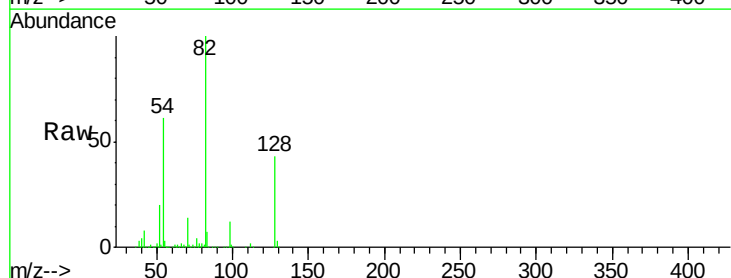
Ion Ratio Lower Upper

70 100

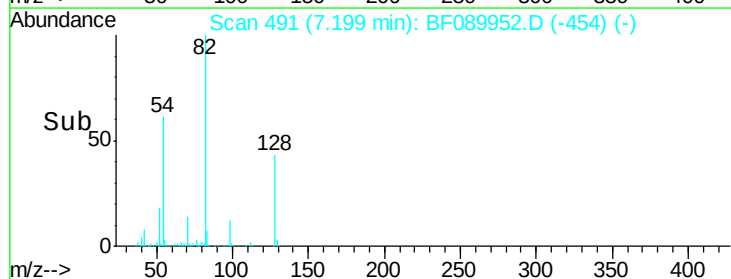
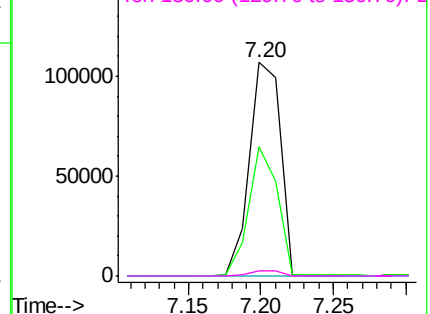
42 60.4 52.1 78.1

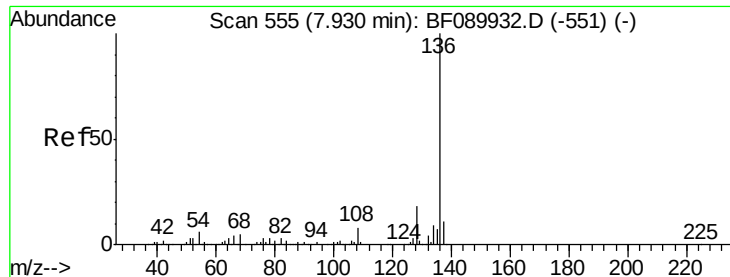
101 0.0 7.4 11.2#

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: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

Tot Ion:136 Resp: 886000

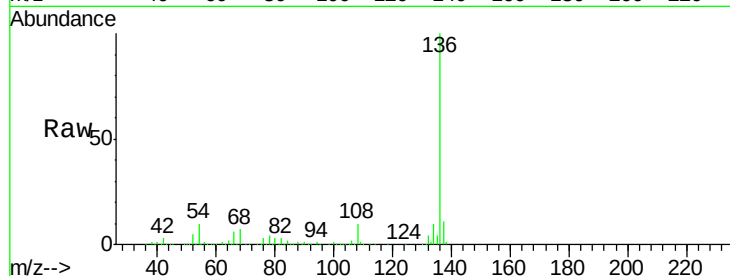
Ion Ratio Lower Upper

136 100

137 11.4 8.3 12.5

54 10.1 4.8 7.2#

68 7.1 3.7 5.5#

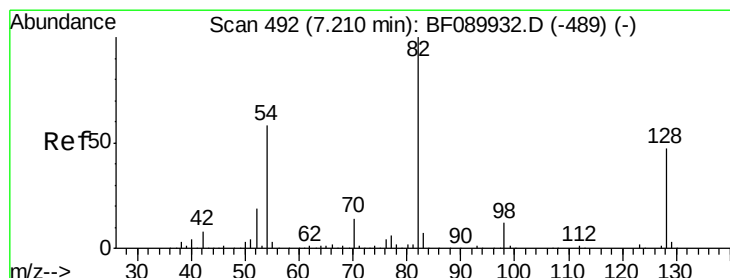
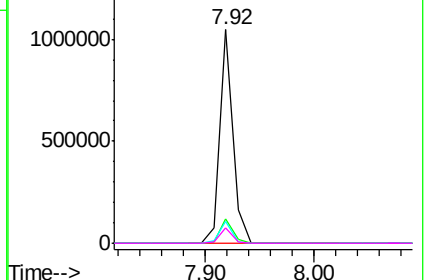
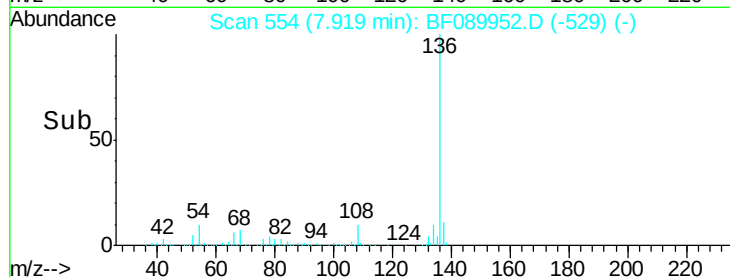


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 78.87 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

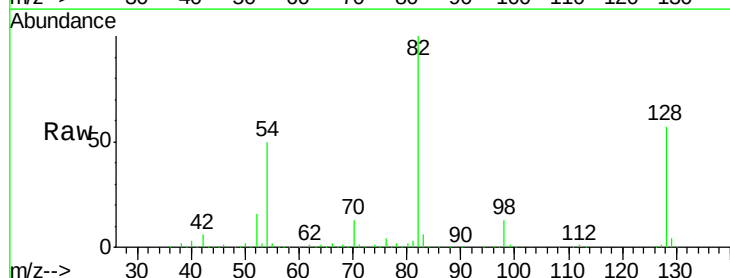
Tgt Ion: 82 Resp: 1204884

Ion Ratio Lower Upper

82 100

128 56.8 37.8 56.8#

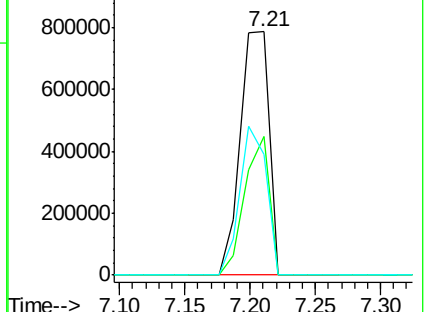
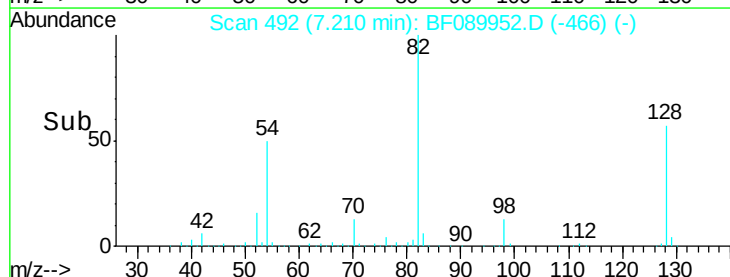
54 49.8 46.9 70.3

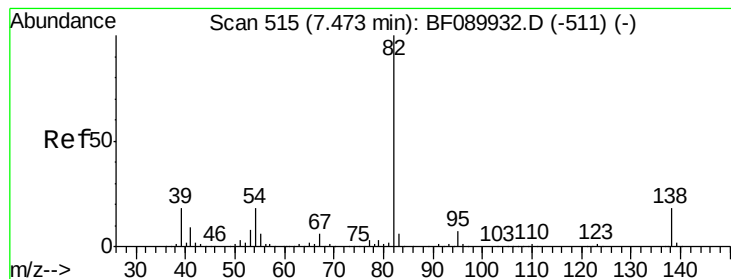


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.70 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

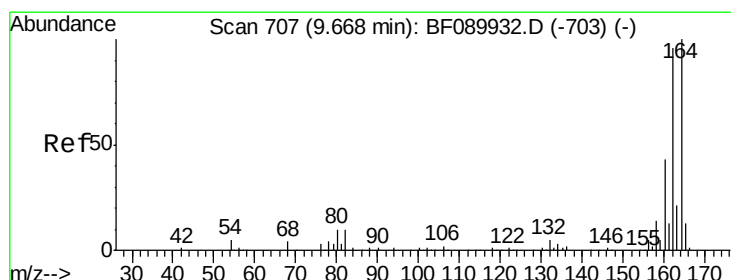
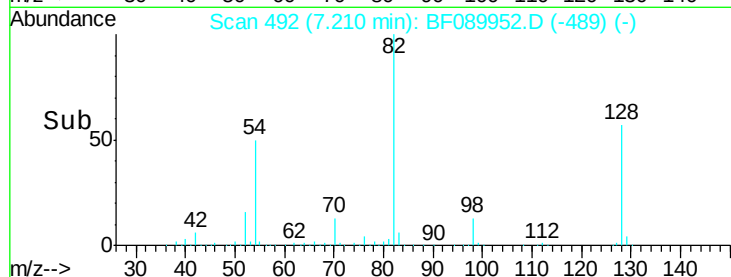
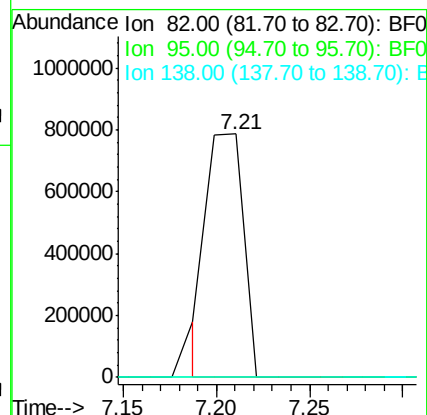
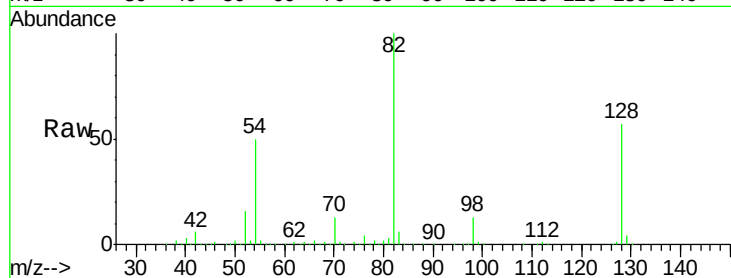
Tot Ion: 82 Resp: 1077931

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

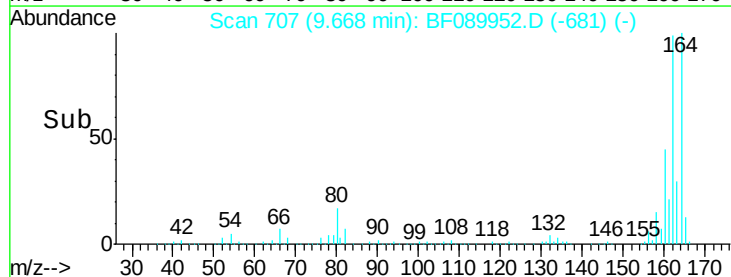
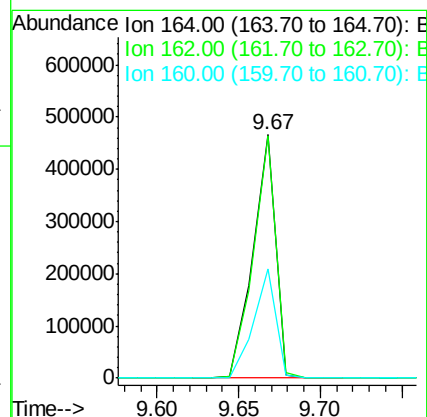
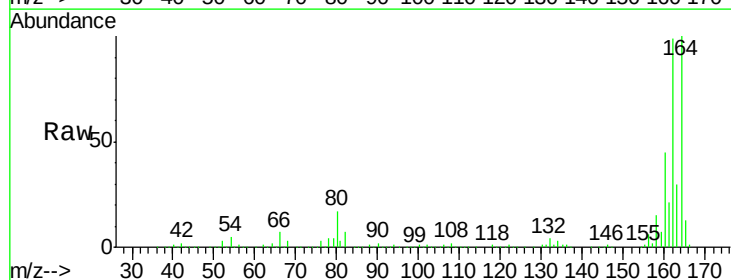
Tgt Ion: 164 Resp: 449216

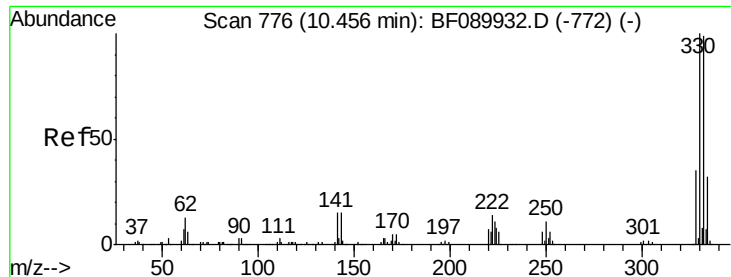
Ion Ratio Lower Upper

164 100

162 99.4 77.1 115.7

160 44.7 35.3 52.9

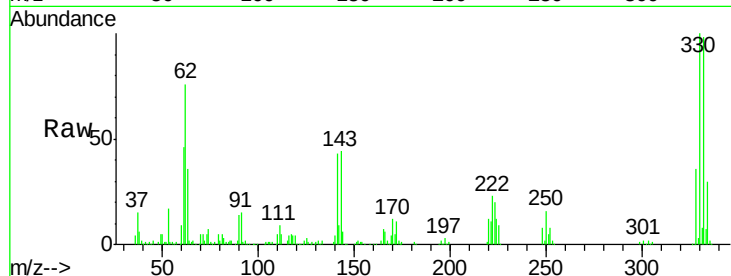




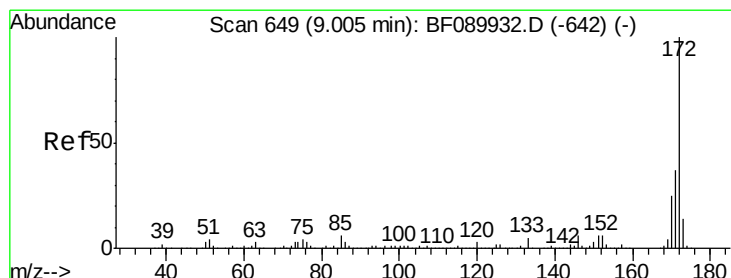
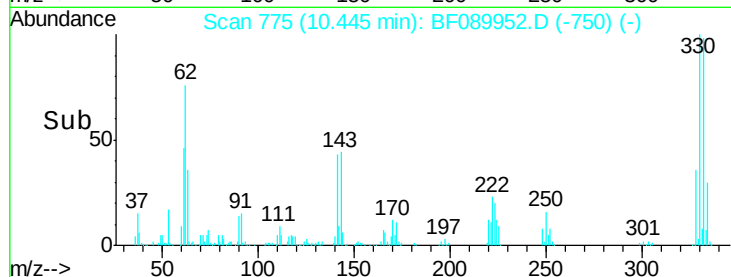
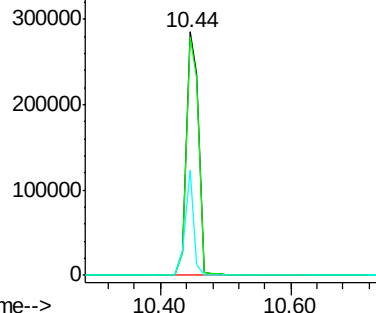
#41
 2,4,6-Tribromophenol
 Concen: 86.85 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089952.D
 Acq: 31 Aug 2016 16:04

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.6	117.8
141	30.4	23.3	34.9

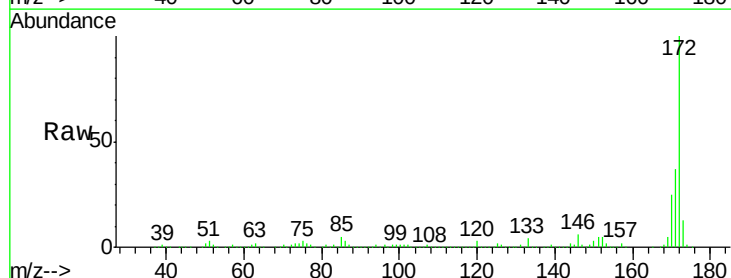


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

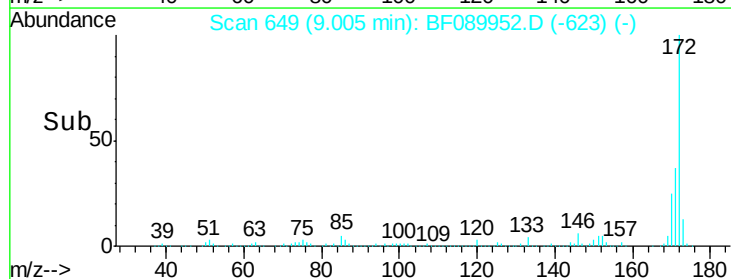
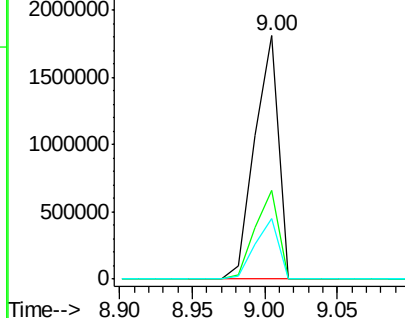


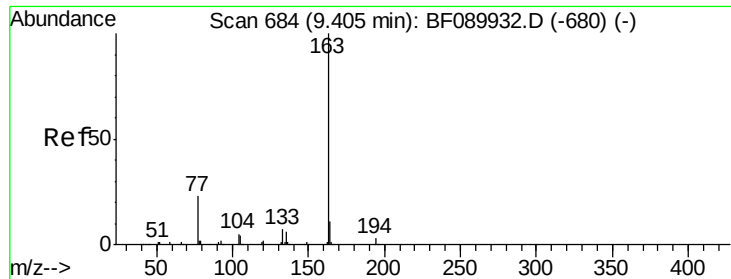
#44
 2-Fluorobiphenyl
 Concen: 75.03 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089952.D
 Acq: 31 Aug 2016 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.2
170	24.7	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: 19.05 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

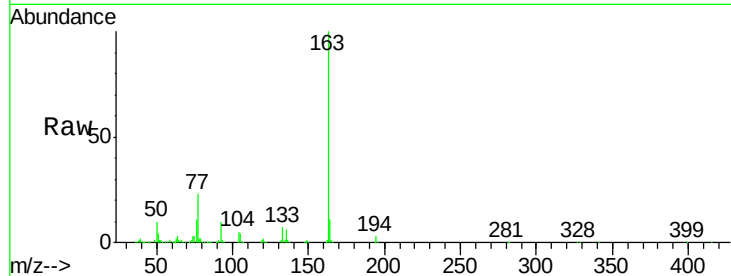
Tot Ion:163 Resp: 618562

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

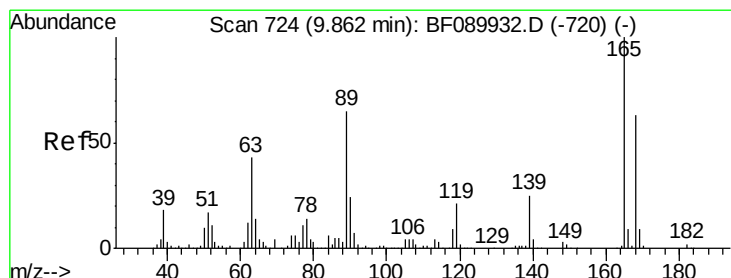
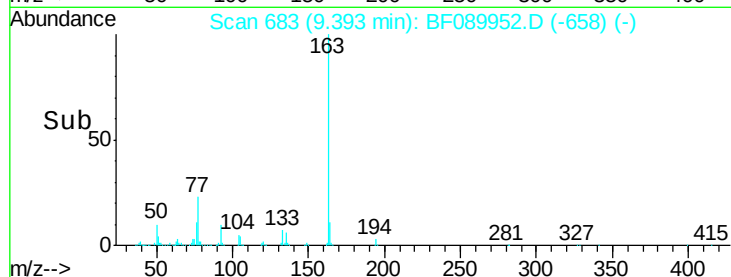
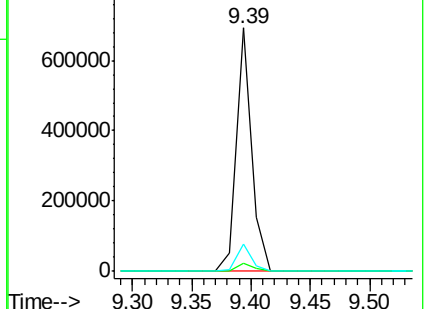
164 11.1 9.0 13.4



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: 6.44 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.19 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

Tgt Ion:165 Resp: 58935

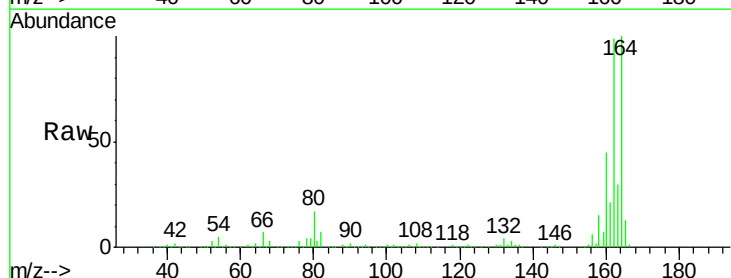
Ion Ratio Lower Upper

165 100

63 1.5 32.5 48.7#

89 1.3 48.3 72.5#

182 0.0 1.7 2.5#

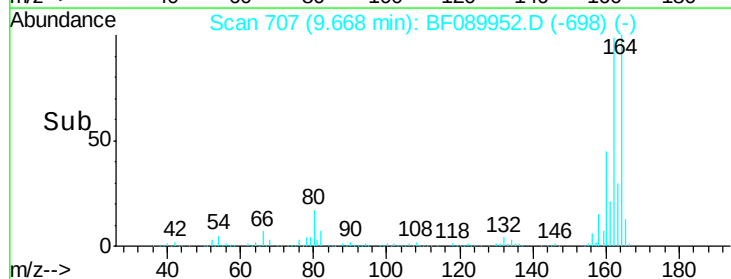
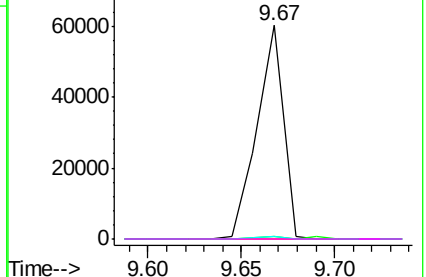


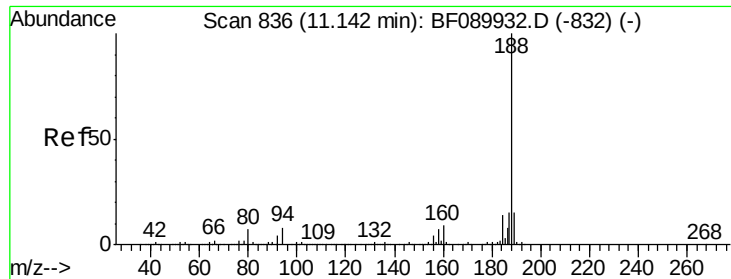
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089952.D

Acq: 31 Aug 2016 16:04

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-GENERAL-FILL

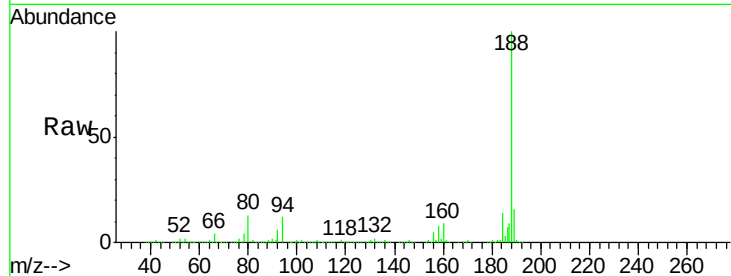
Tot Ion:188 Resp: 672119

Ion Ratio Lower Upper

188 100

94 12.2 5.9 8.9#

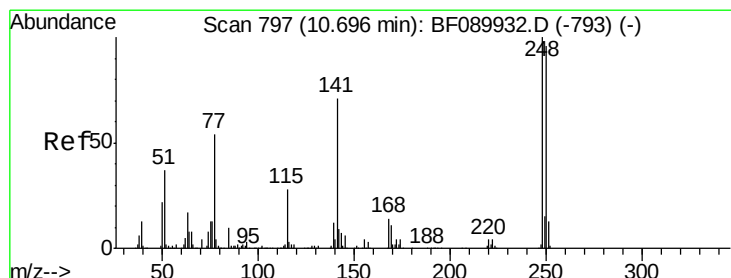
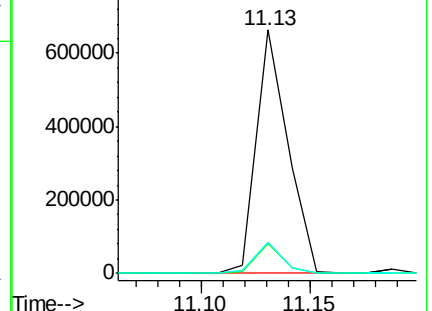
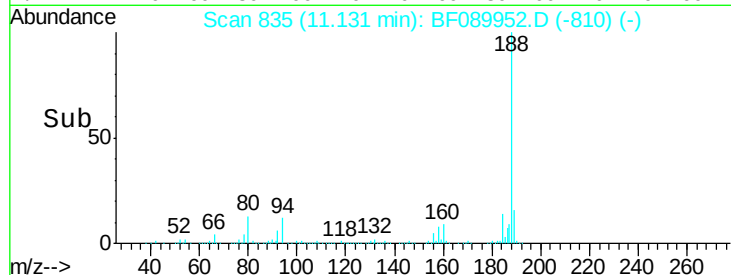
80 12.6 5.8 8.8#



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: 3.46 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089952.D

Acq: 31 Aug 2016 16:04

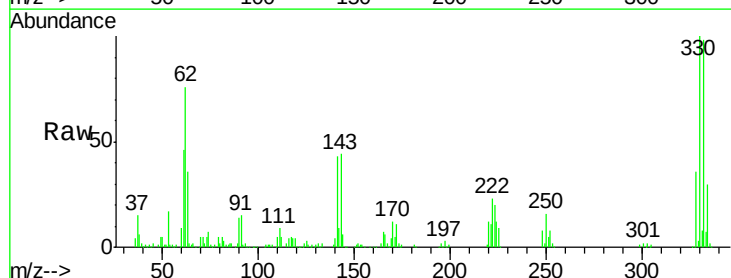
Tgt Ion:248 Resp: 23404

Ion Ratio Lower Upper

248 100

250 200.3 77.3 115.9#

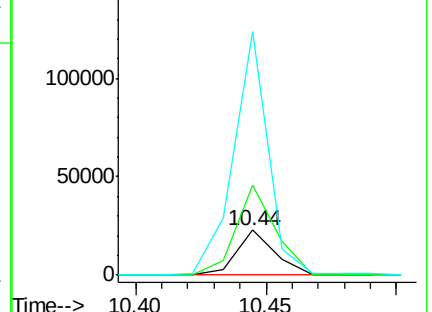
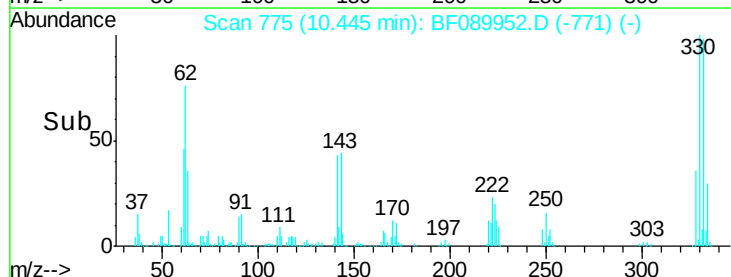
141 543.6 55.8 83.8#

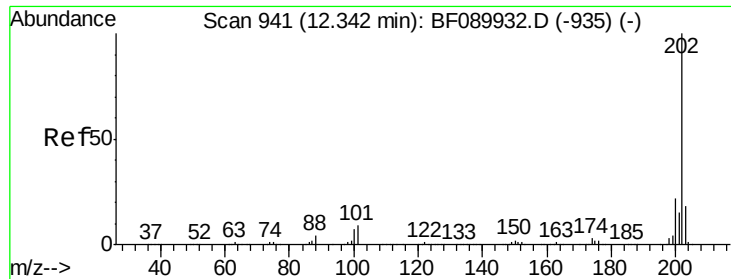


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

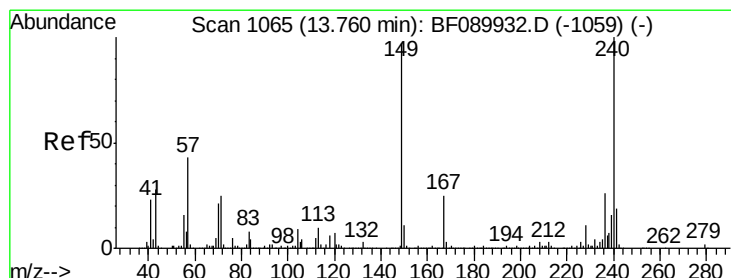
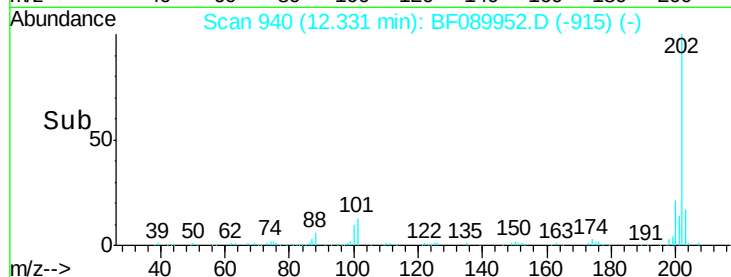
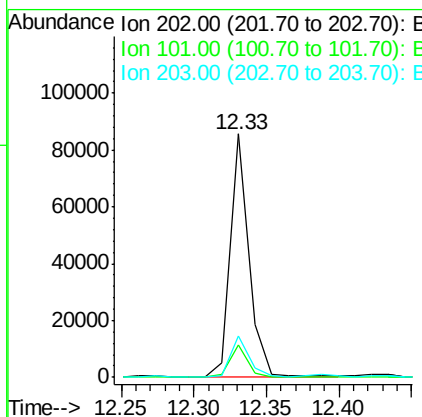
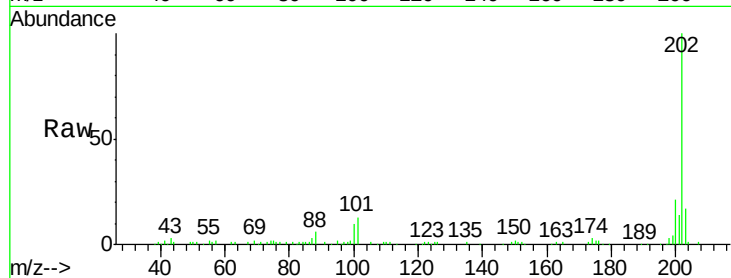




#74
Fluoranthene
Concen: 2.20 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089952.D
Acq: 31 Aug 2016 16:04

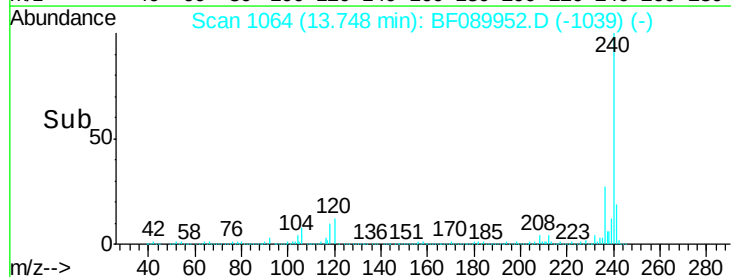
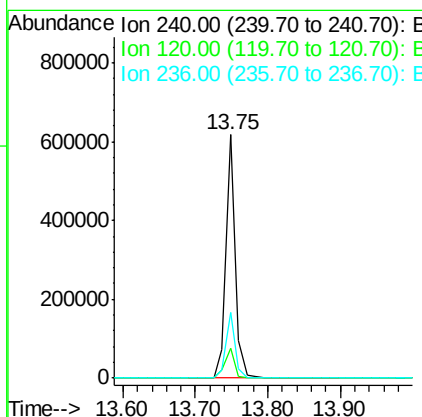
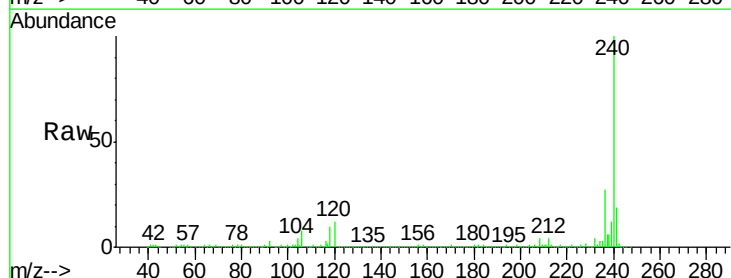
Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-GENERAL-FILL

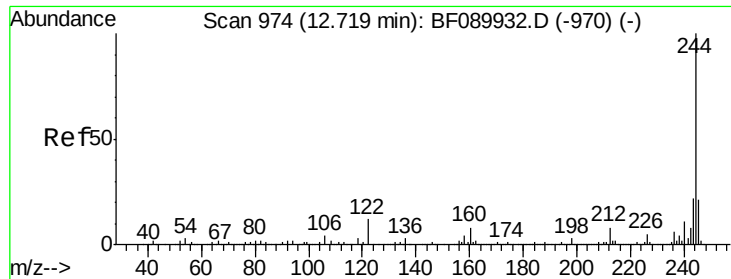
Tot Ion:202 Resp: 77169
Ion Ratio Lower Upper
202 100
101 13.2 0.0 28.5
203 16.9 0.0 38.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089952.D
Acq: 31 Aug 2016 16:04

Tgt Ion:240 Resp: 557422
Ion Ratio Lower Upper
240 100
120 12.3 5.7 8.5#
236 26.9 21.3 31.9

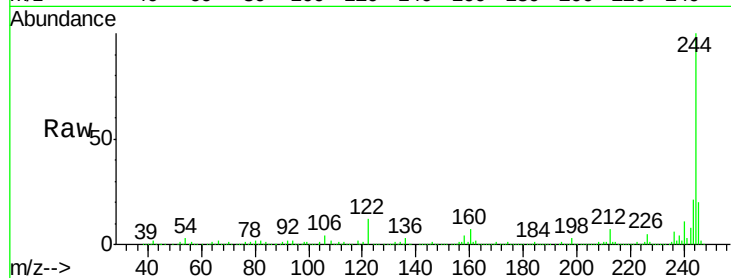




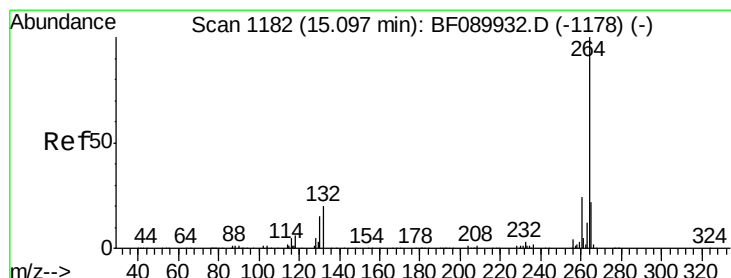
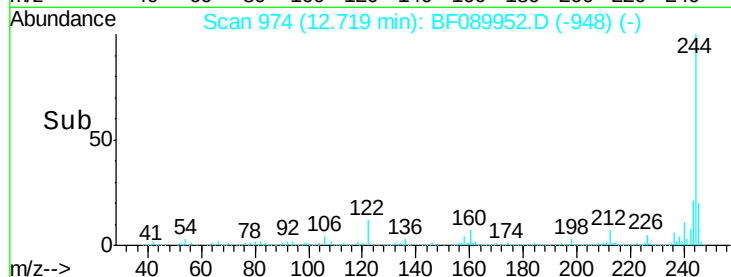
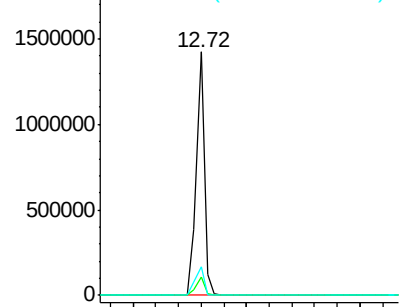
#78
 Terphenyl-d14
 Concen: 60.22 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF089952.D
 Acq: 31 Aug 2016 16:04

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

Tot Ion:244 Resp: 1358848
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 11.6 9.6 14.4

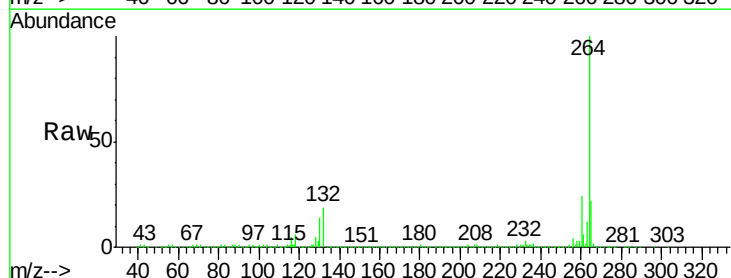


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BF089952.D
 Acq: 31 Aug 2016 16:04

Tgt Ion:264 Resp: 564577
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.0
 265 21.9 17.4 26.2



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

