

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089211.D
 Acq On : 23 Jul 2016 00:36
 Operator : UM/SJ
 Sample : H4154-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GCF-SW-2

Quant Time: Jul 25 00:55:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

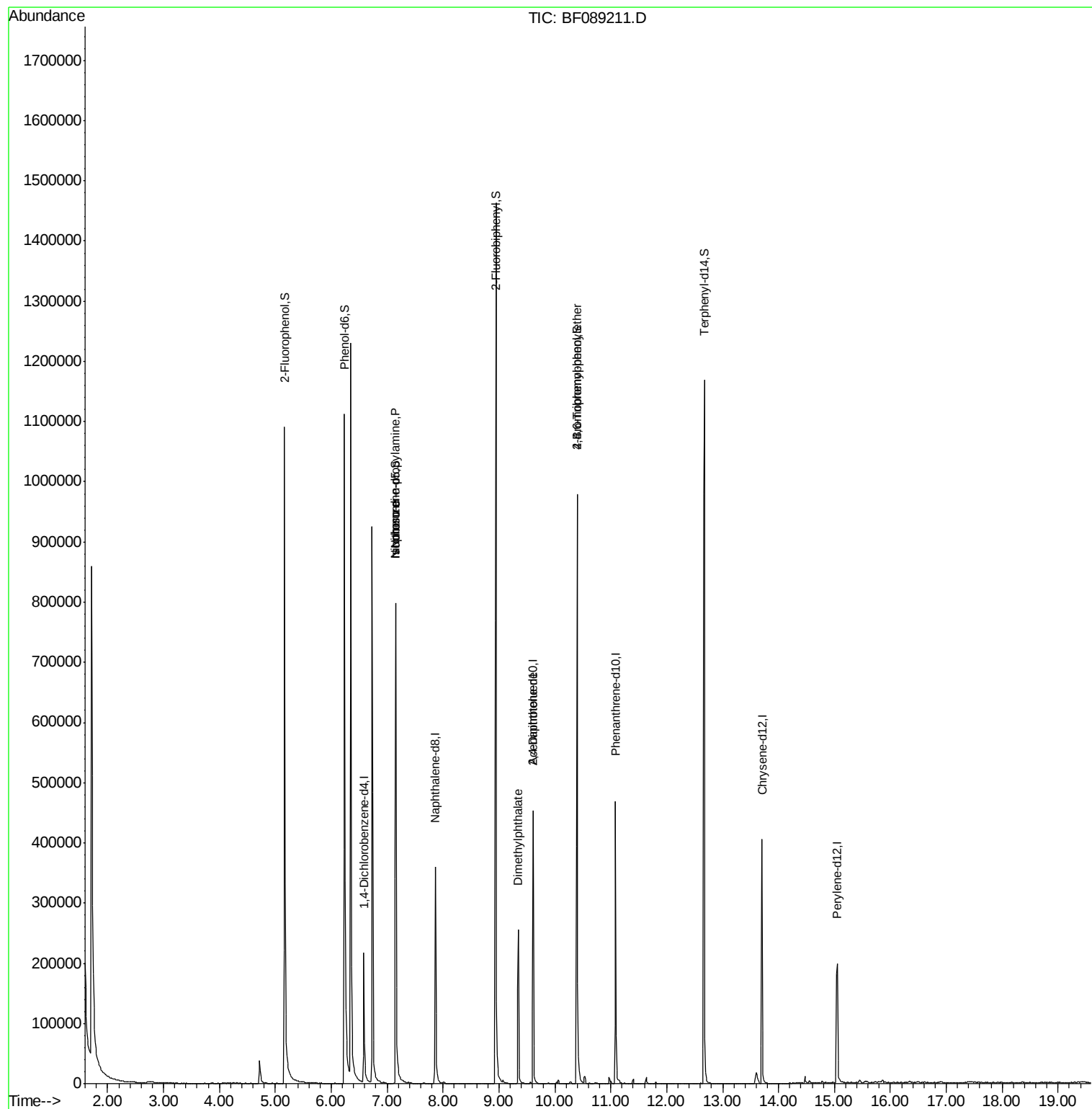
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	47426	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	206270	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	100131	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	197817	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	149008	20.00	ng	-0.02
86) Perylene-d12	15.05	264	114566	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	410554	131.66	ng	-0.02
7) Phenol-d6	6.24	99	559346	139.10	ng	-0.03
23) Nitrobenzene-d5	7.15	82	373865	96.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	118823	131.80	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	611946	84.21	ng	-0.02
78) Terphenyl-d14	12.67	244	523677	76.23	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.24	77	412	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	48953	18.61	ng	# 79
25) Isophorone	7.15	82	294470	41.16	ng	# 66
49) Dimethylphthalate	9.35	163	151336	19.70	ng	100
56) 2,4-Dinitrotoluene	9.61	165	12458	5.58	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	9303	4.75	ng	# 1

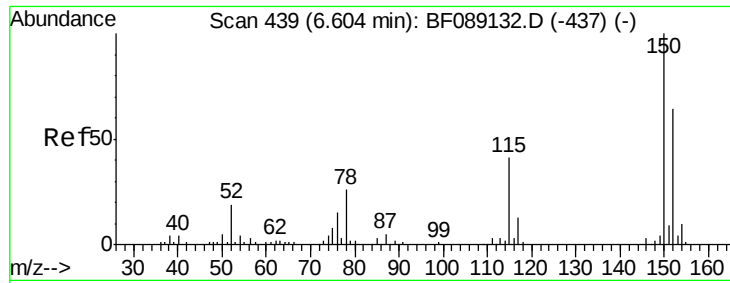
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 25 00:55:46 2016
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QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

GCF-SW-2

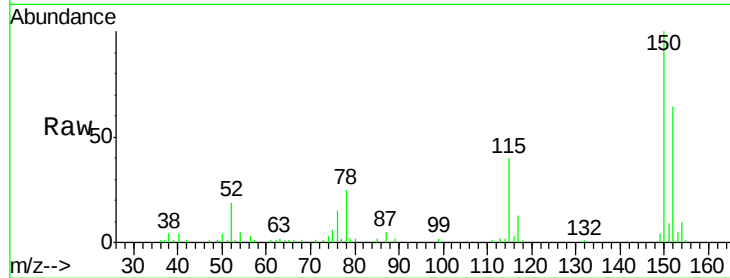
Tgt Ion:152 Resp: 47426

Ion Ratio Lower Upper

152 100

150 156.1 125.1 187.7

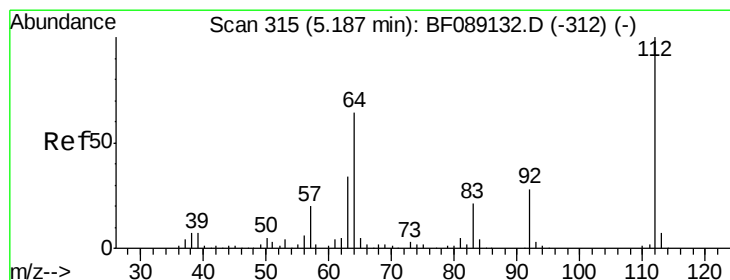
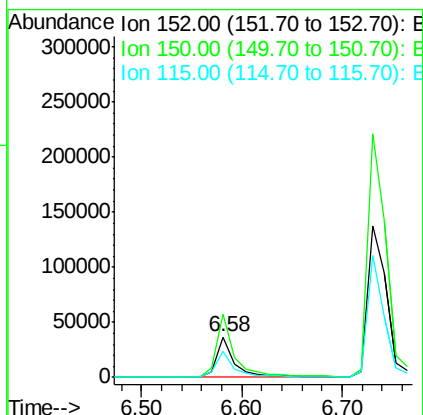
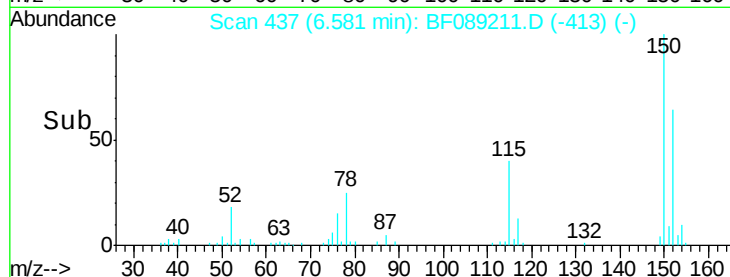
115 62.5 51.1 76.7



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: 131.66 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

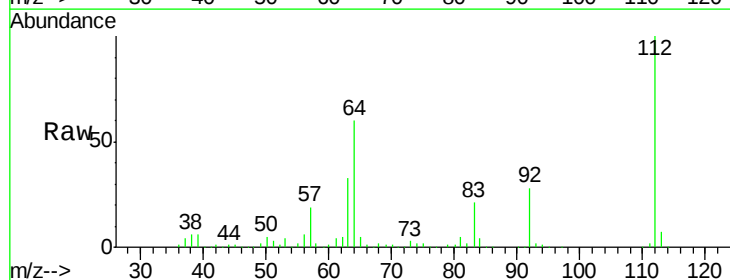
Tgt Ion:112 Resp: 410554

Ion Ratio Lower Upper

112 100

64 60.2 51.0 76.4

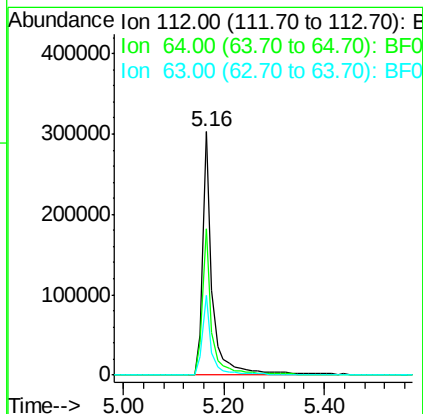
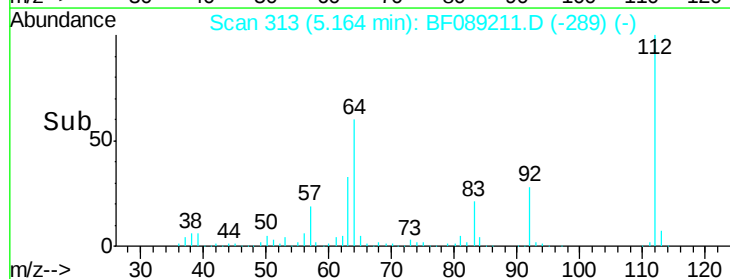
63 32.7 27.3 40.9

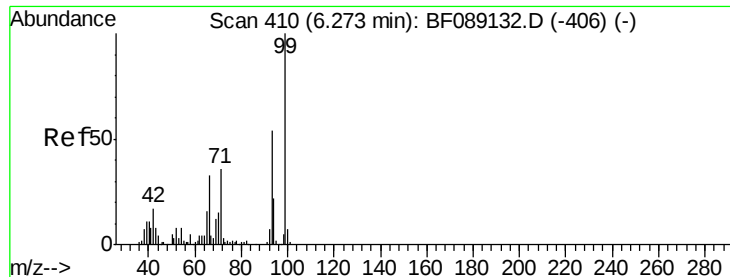


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.10 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

GCF-SW-2

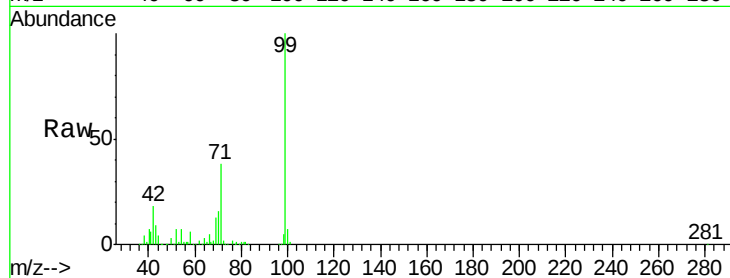
Tgt Ion: 99 Resp: 559346

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

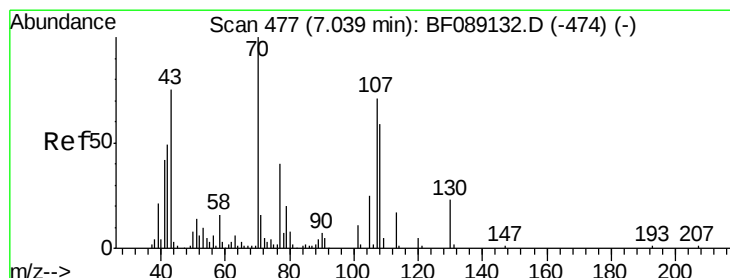
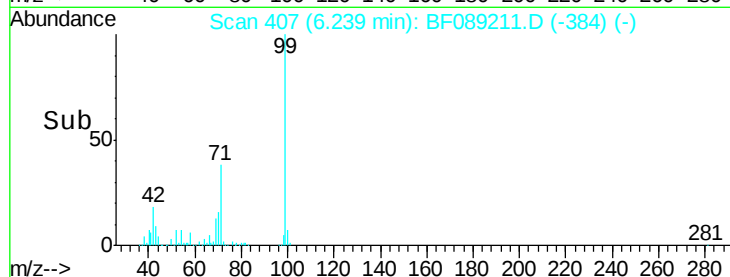
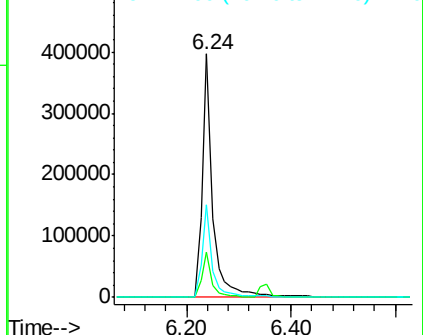
71 38.2 28.9 43.3



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: 18.61 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Tgt Ion: 70 Resp: 48953

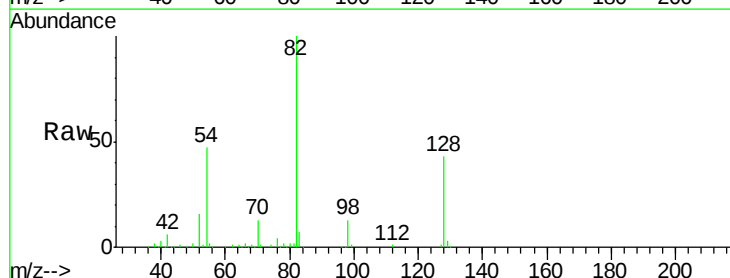
Ion Ratio Lower Upper

70 100

42 43.0 39.2 58.8

101 0.0 8.5 12.7#

130 2.2 18.4 27.6#

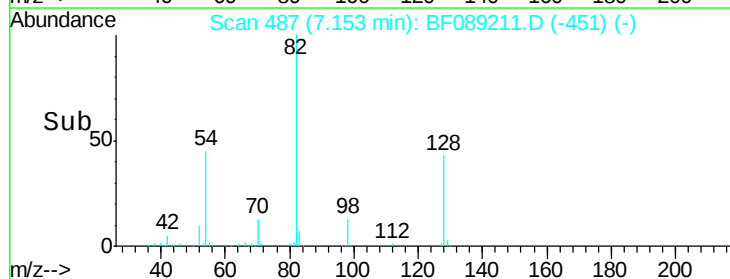
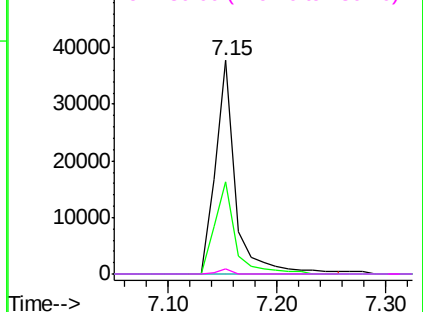


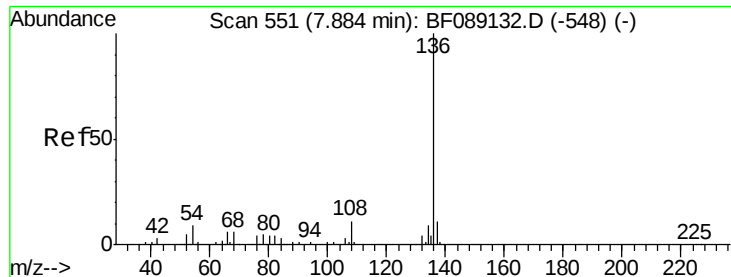
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

GCF-SW-2

Tgt Ion:136 Resp: 206270

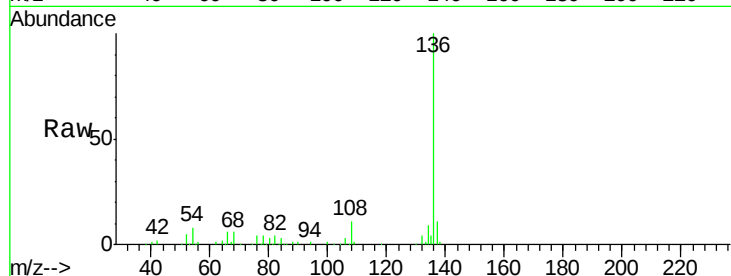
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.7 7.0 10.4

68 5.9 5.0 7.6

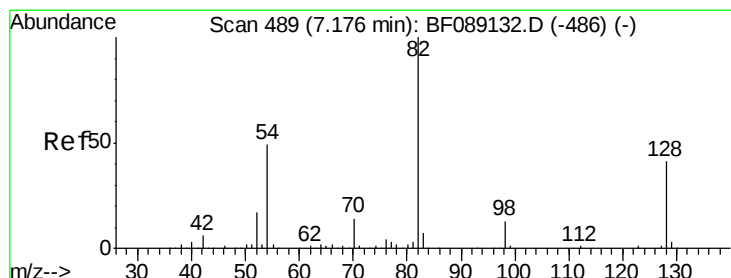
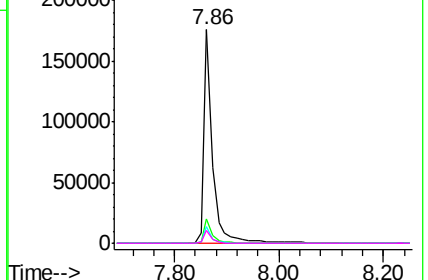
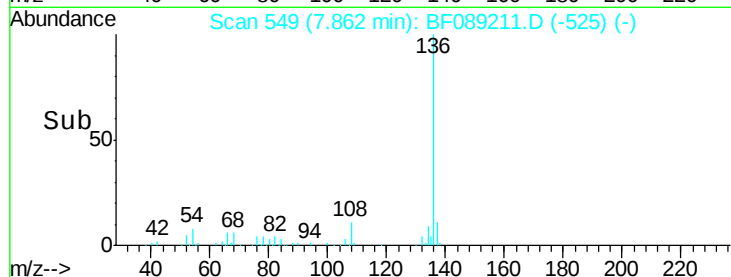


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.30 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

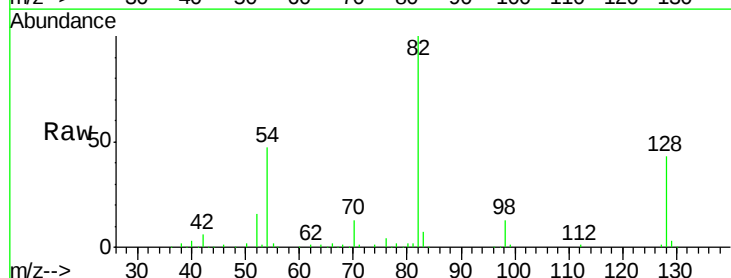
Tgt Ion: 82 Resp: 373865

Ion Ratio Lower Upper

82 100

128 42.8 33.0 49.6

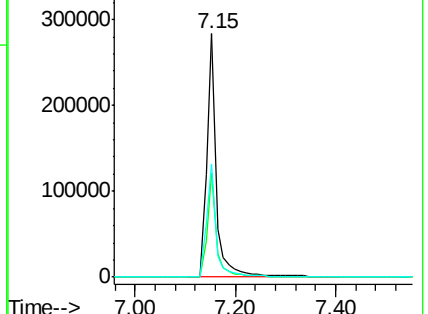
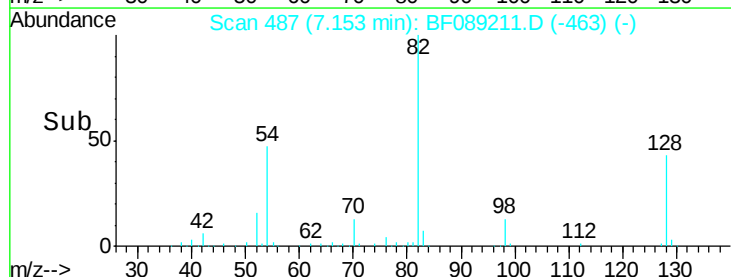
54 46.6 39.0 58.4

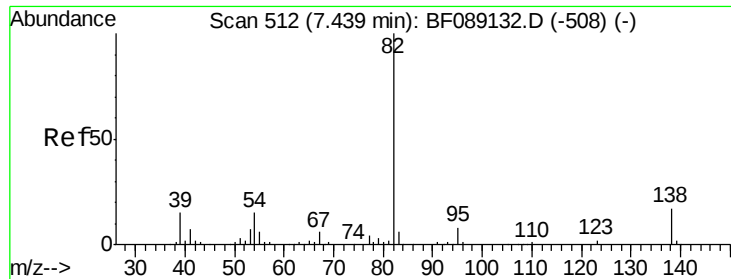


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.16 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

GCF-SW-2

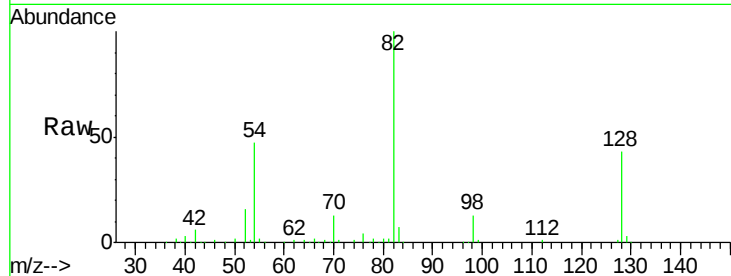
Tgt Ion: 82 Resp: 294470

Ion Ratio Lower Upper

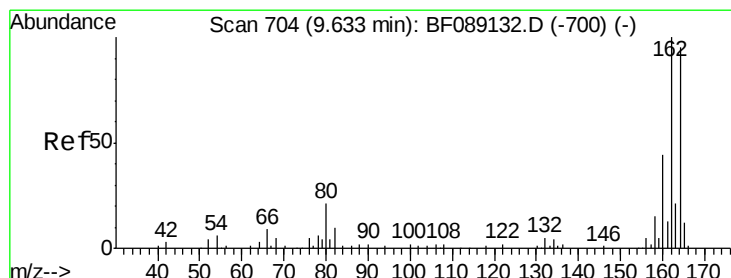
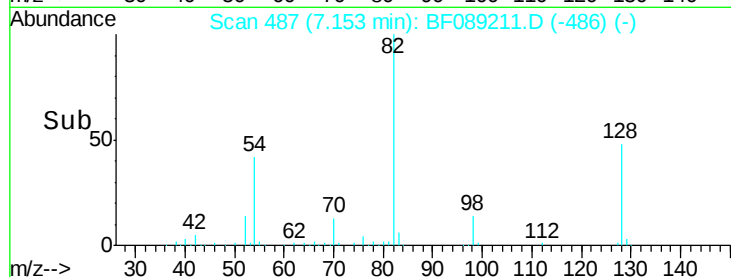
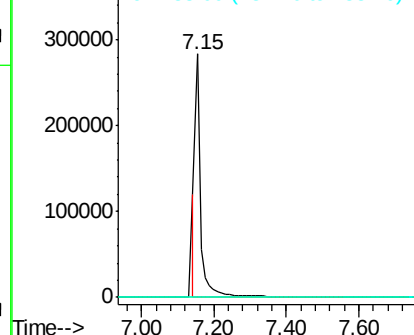
82 100

95 0.0 6.1 9.1#

138 0.0 13.6 20.4#



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: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

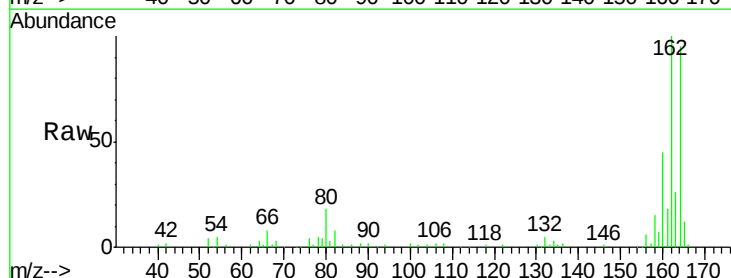
Tgt Ion: 164 Resp: 100131

Ion Ratio Lower Upper

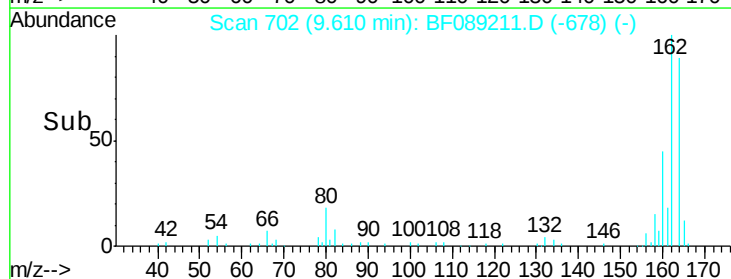
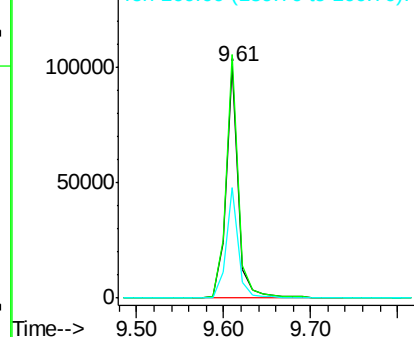
164 100

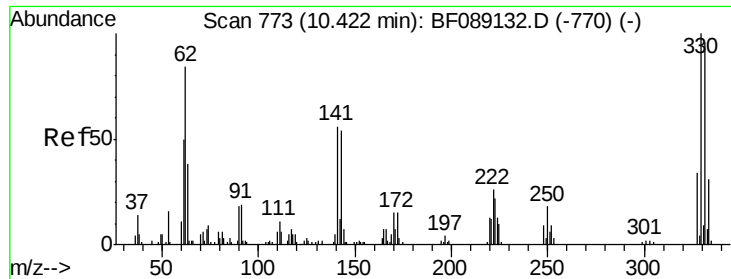
162 105.1 84.1 126.1

160 47.5 37.1 55.7



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

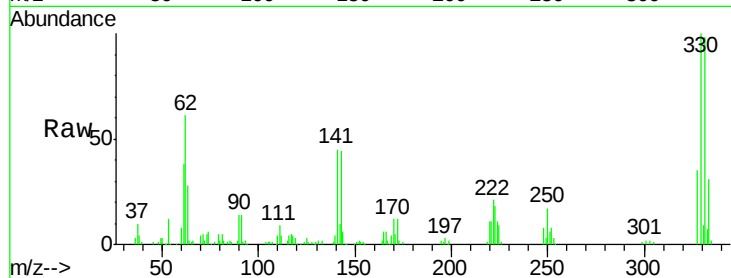




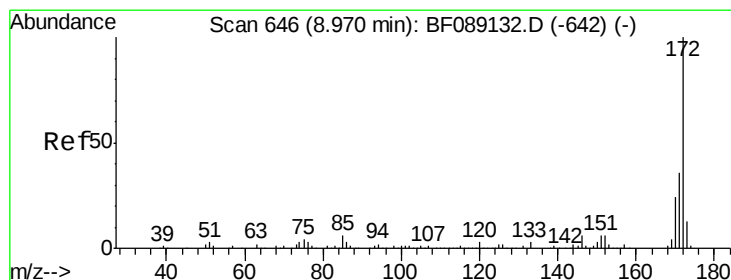
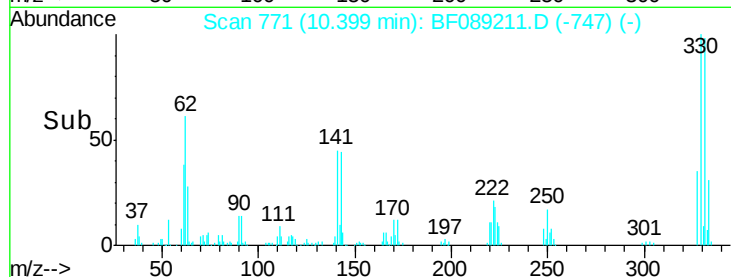
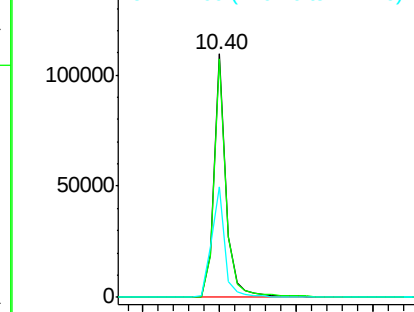
#41
 2,4,6-Tribromophenol
 Concen: 131.80 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089211.D
 Acq: 23 Jul 2016 00:36

Instrument :
 BNA_F
 ClientSampled :
 GCF-SW-2

Tgt Ion:330 Resp: 118823
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.2 115.8
 141 49.9 42.2 63.2

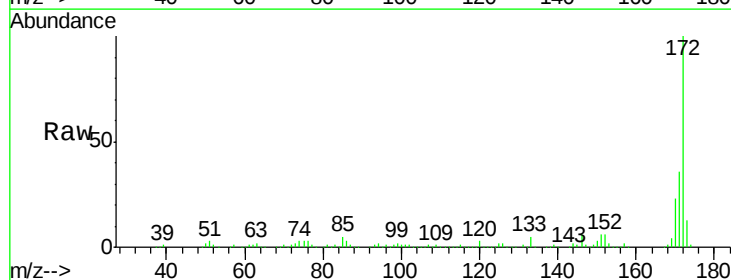


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

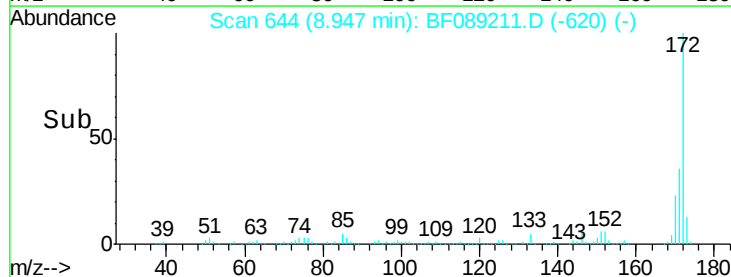
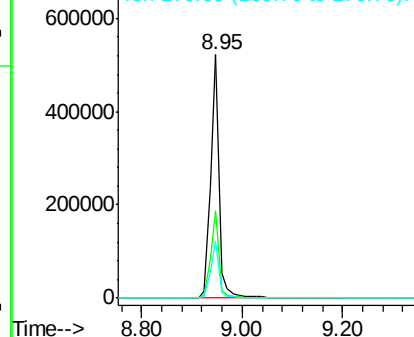


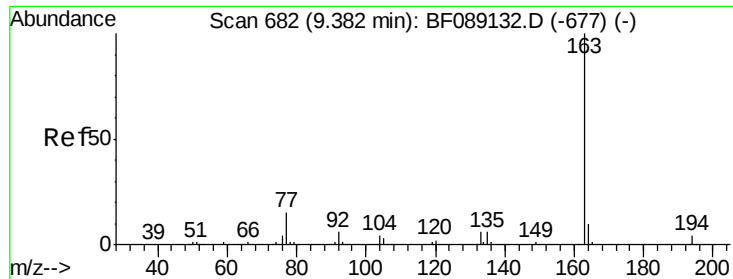
#44
 2-Fluorobiphenyl
 Concen: 84.21 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089211.D
 Acq: 23 Jul 2016 00:36

Tgt Ion:172 Resp: 611946
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.5 19.1 28.7



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

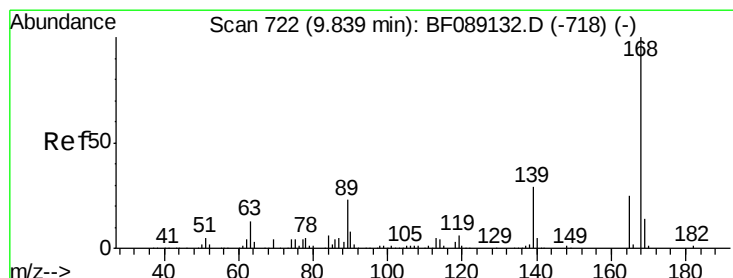
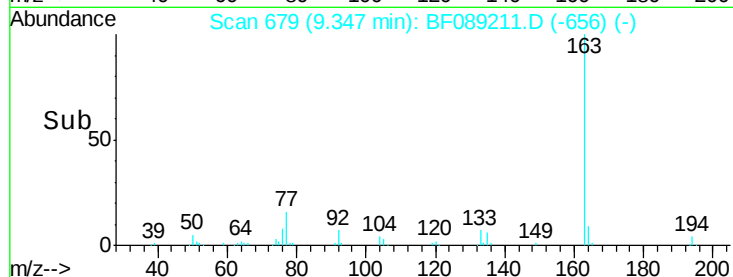
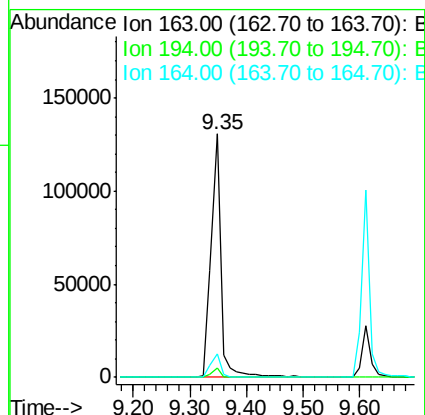
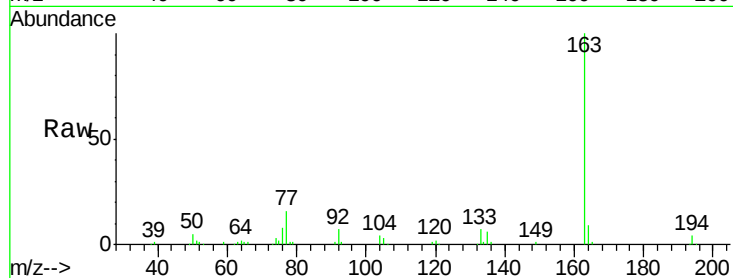




#49
Dimethylphthalate
Concen: 19.70 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089211.D
Acq: 23 Jul 2016 00:36

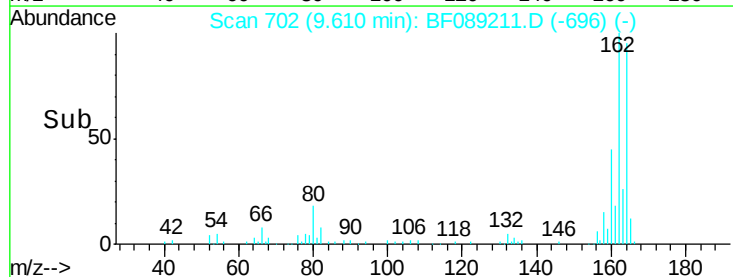
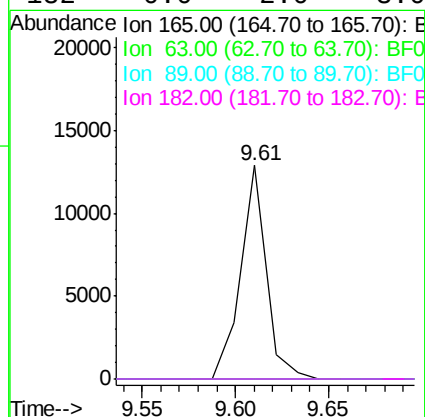
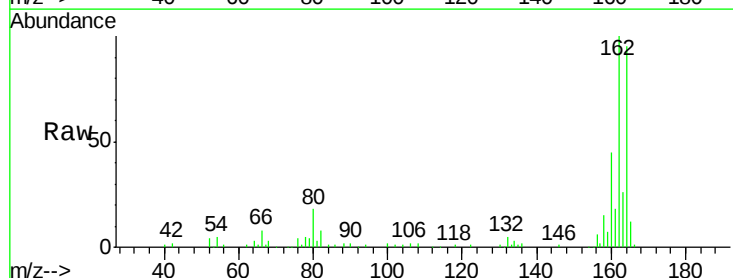
Instrument :
BNA_F
ClientSampleId :
GCF-SW-2

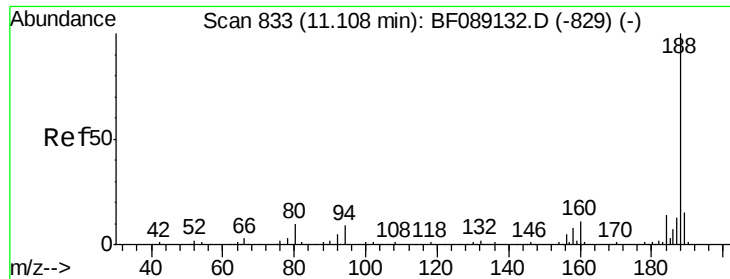
Tgt Ion:163 Resp: 151336
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.5 7.6 11.4



#56
2,4-Dinitrotoluene
Concen: 5.58 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089211.D
Acq: 23 Jul 2016 00:36

Tgt Ion:165 Resp: 12458
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 0.0 74.3 111.5#
182 0.0 2.0 3.0#

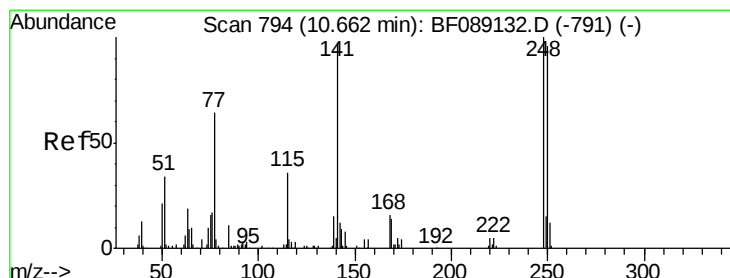
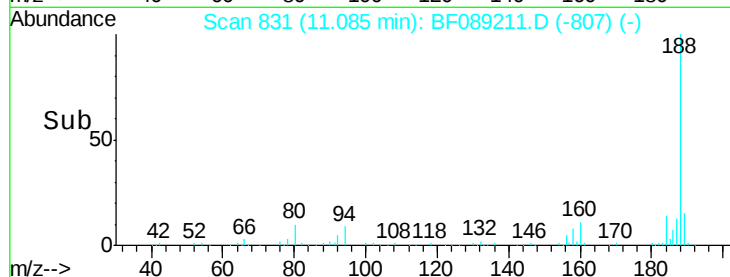
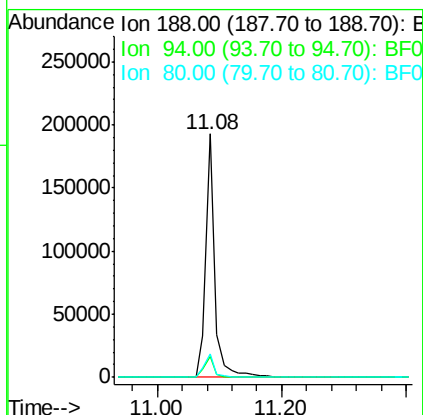
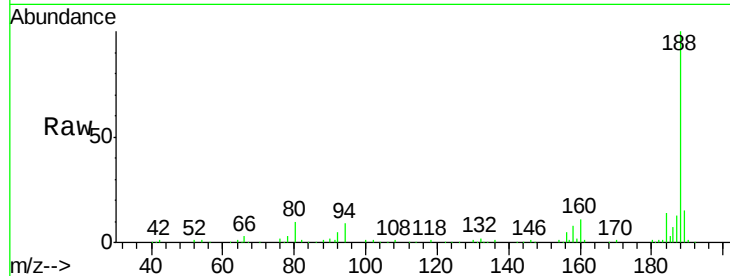




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF089211.D
Acq: 23 Jul 2016 00:36

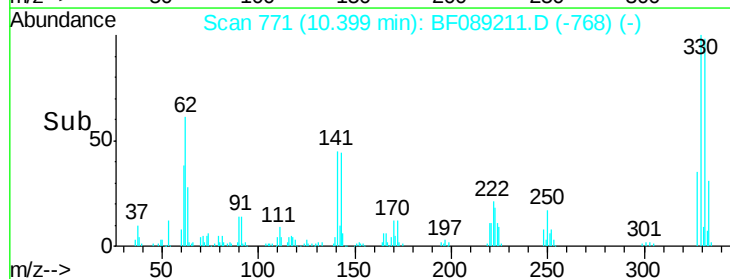
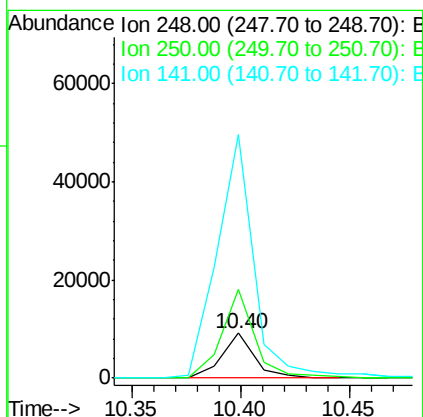
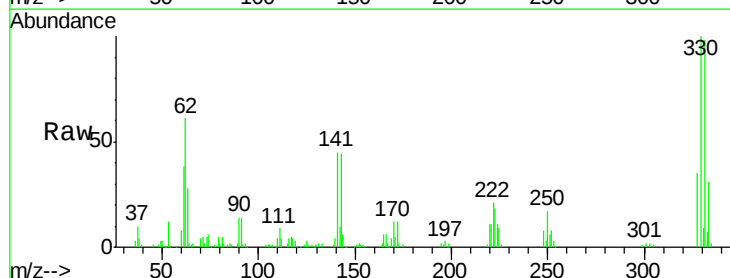
Instrument :
BNA_F
ClientSampleId :
GCF-SW-2

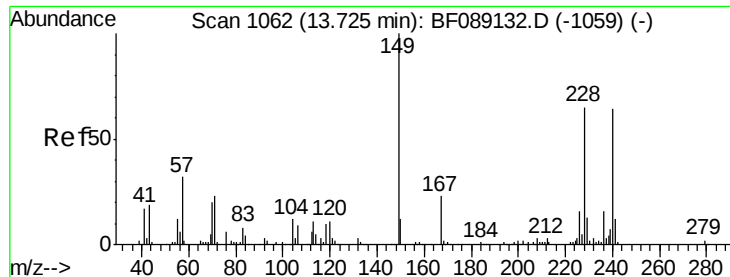
Tgt Ion:188 Resp: 197817
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.6 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.75 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089211.D
Acq: 23 Jul 2016 00:36

Tgt Ion:248 Resp: 9303
Ion Ratio Lower Upper
248 100
250 198.8 76.9 115.3#
141 545.0 77.4 116.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

GCF-SW-2

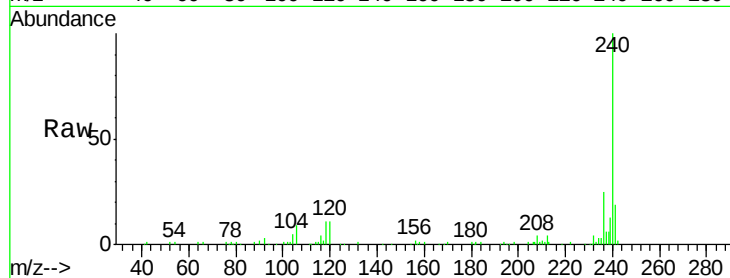
Tgt Ion:240 Resp: 149008

Ion Ratio Lower Upper

240 100

120 11.4 13.6 20.4#

236 25.1 20.5 30.7



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

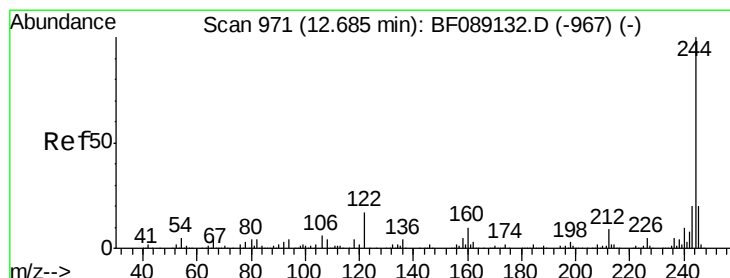
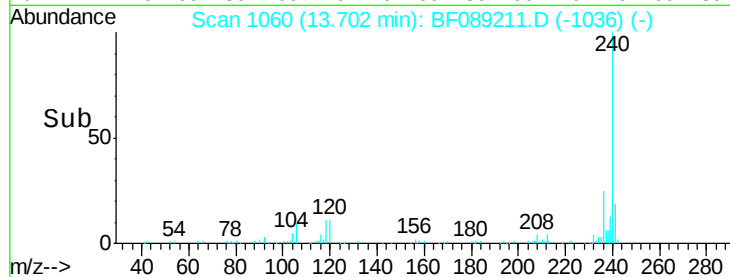
13.70

100000

50000

0

Time--> 13.60 13.70 13.80 13.90



#78

Terphenyl-d14

Concen: 76.23 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089211.D

Acq: 23 Jul 2016 00:36

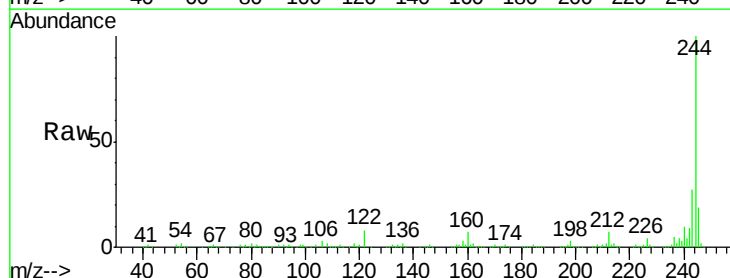
Tgt Ion:244 Resp: 523677

Ion Ratio Lower Upper

244 100

212 7.3 7.0 10.4

122 8.3 13.8 20.8#



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

12.67

500000

400000

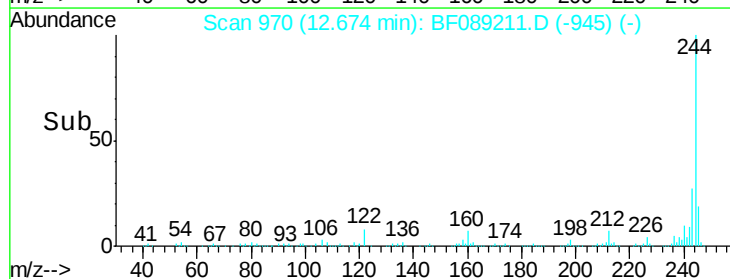
300000

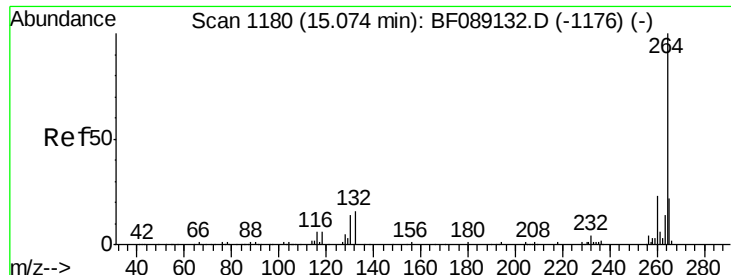
200000

100000

0

Time--> 12.60 12.80

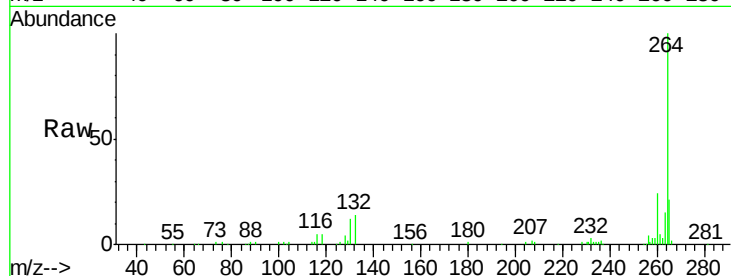




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF089211.D
Acq: 23 Jul 2016 00:36

Instrument :
BNA_F
ClientSampleId :
GCF-SW-2

Tgt Ion: 264 Resp: 114566
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.0 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

