

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089224.D
 Acq On : 23 Jul 2016 8:23
 Operator : UM/SJ
 Sample : H4121-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-TEMP-MW

Quant Time: Jul 25 01:05:25 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	49277	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	211574	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	100117	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	190780	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	129304	20.00	ng	-0.02
86) Perylene-d12	15.05	264	92746	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	187815	57.97	ng	-0.03
7) Phenol-d6	6.24	99	161374	38.62	ng	-0.03
23) Nitrobenzene-d5	7.15	82	367917	92.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	113747	126.19	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	679092	93.46	ng	-0.02
78) Terphenyl-d14	12.67	244	570251	95.66	ng	-0.01

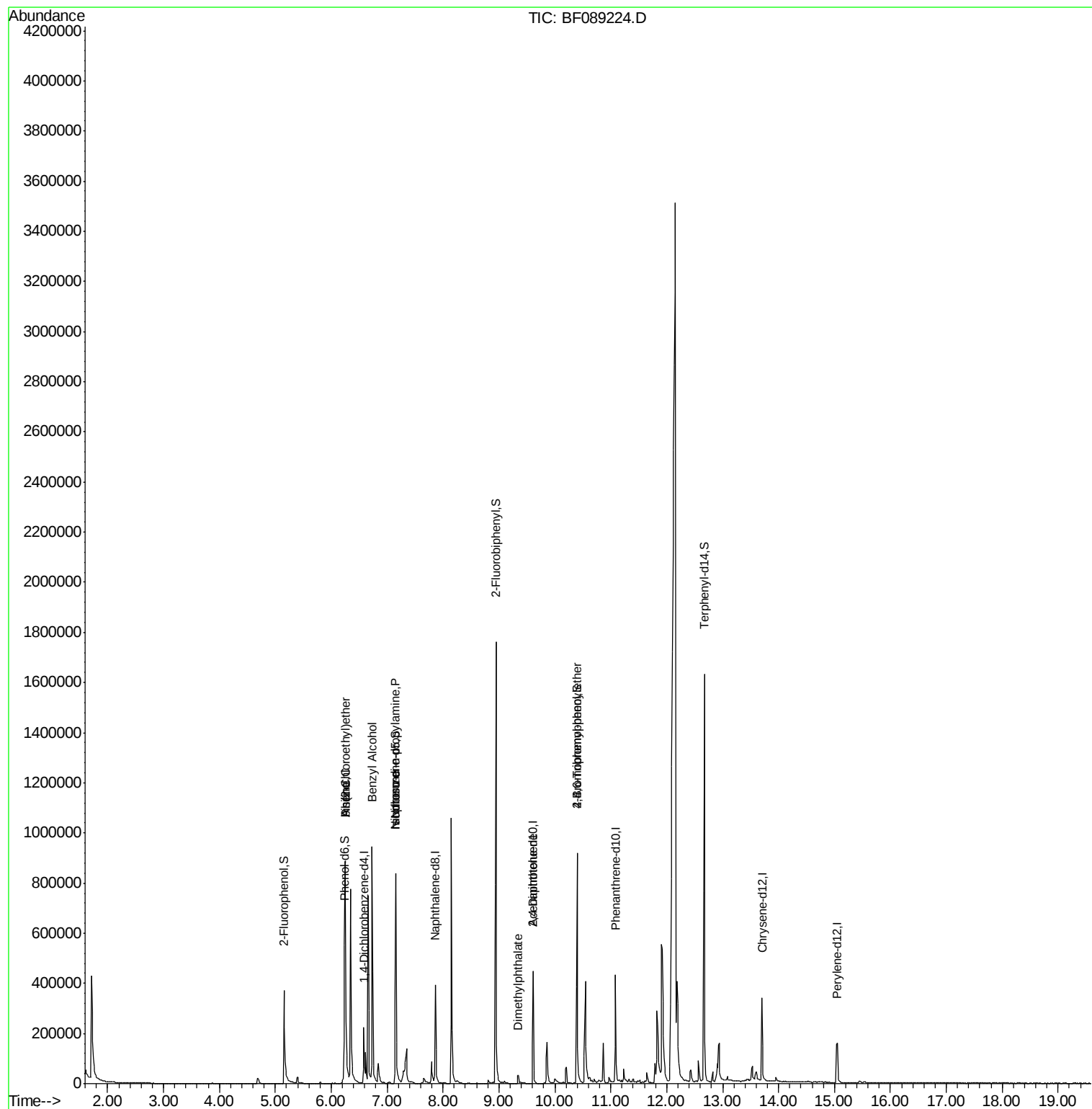
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.25	93	12851	2.28	ng	# 1
10) Phenol	6.25	94	377491	78.42	ng	92
11) bis(2-Chloroethyl)ether	6.25	93	12851	3.55	ng	# 1
15) Benzyl Alcohol	6.73	79	6132	2.00	ng	# 48
19) n-Nitroso-di-n-propylamine	7.15	70	49756	18.21	ng	# 78
25) Isophorone	7.15	82	285745	38.94	ng	# 66
49) Dimethylphthalate	9.35	163	22588	2.94	ng	99
56) 2,4-Dinitrotoluene	9.61	165	12420	5.56	ng	# 11
66) 4-Bromophenyl-phenylether	10.40	248	9054	4.80	ng	# 1

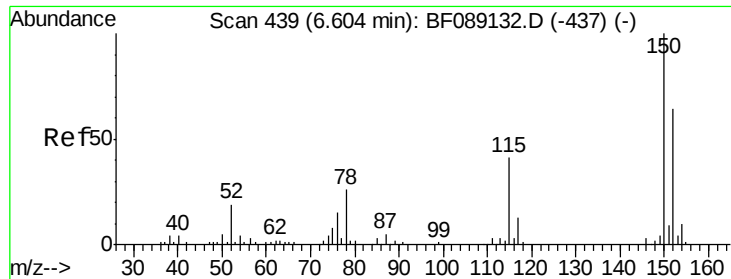
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

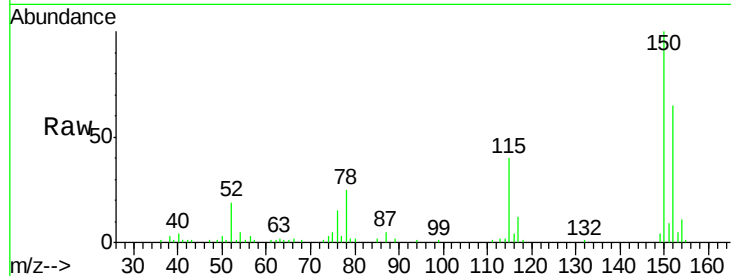
Tgt Ion:152 Resp: 49277

Ion Ratio Lower Upper

152 100

150 154.2 125.1 187.7

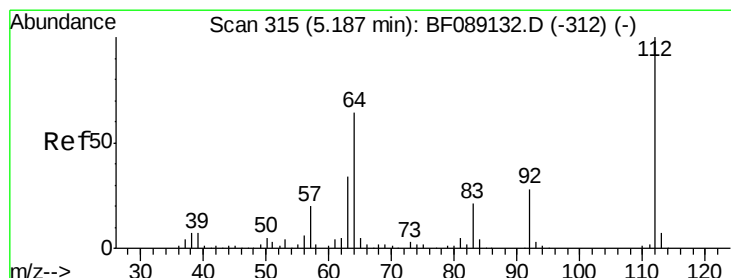
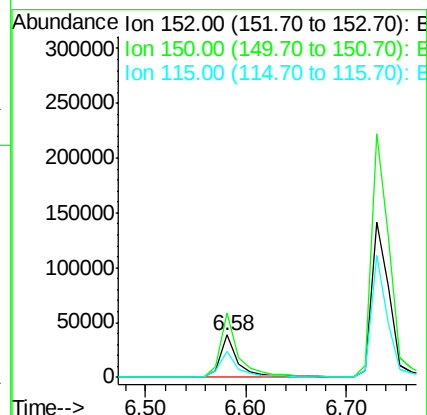
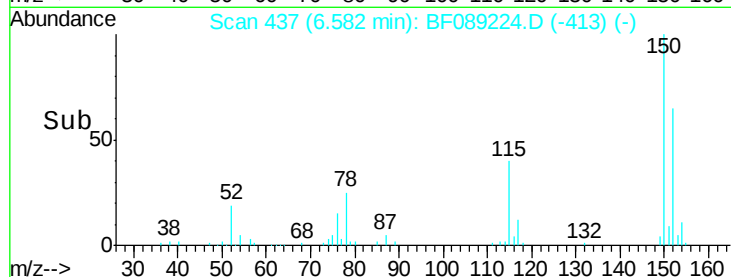
115 61.4 51.1 76.7



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: 57.97 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

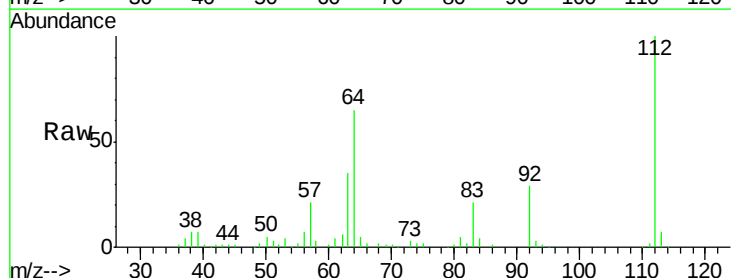
Tgt Ion:112 Resp: 187815

Ion Ratio Lower Upper

112 100

64 64.7 51.0 76.4

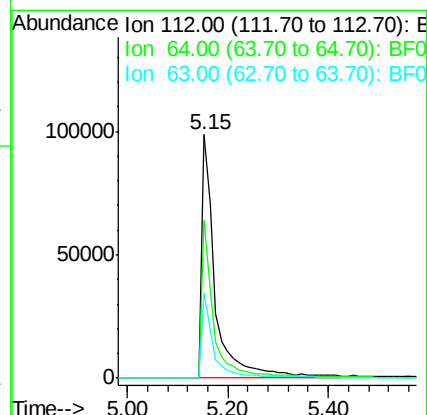
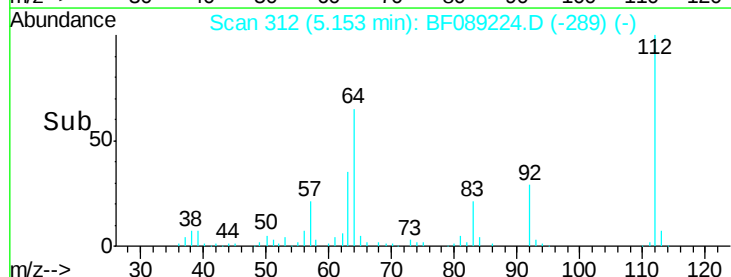
63 34.7 27.3 40.9

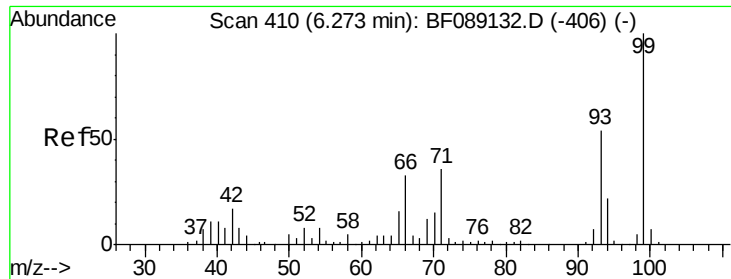


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.28 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

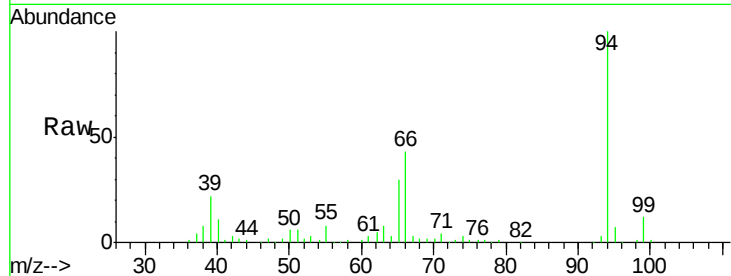
Tgt Ion: 93 Resp: 12851

Ion Ratio Lower Upper

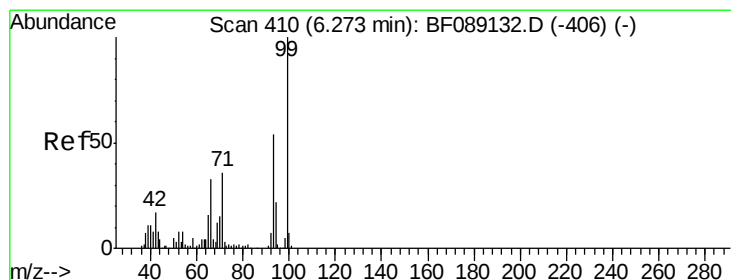
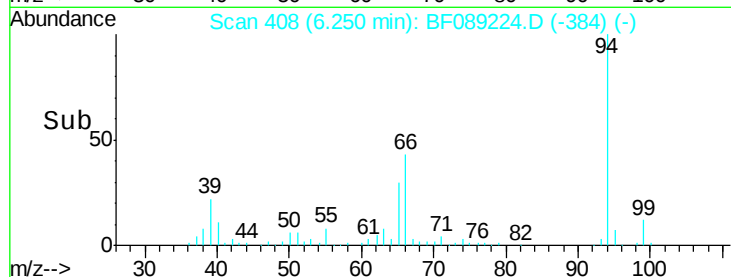
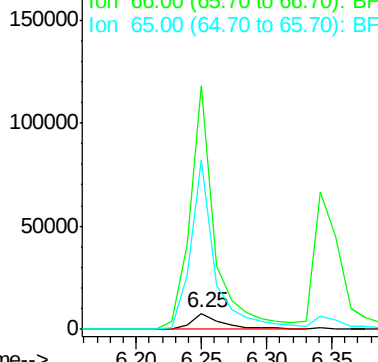
93 100

66 1496.1 48.9 73.3#

65 1044.0 23.9 35.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 38.62 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

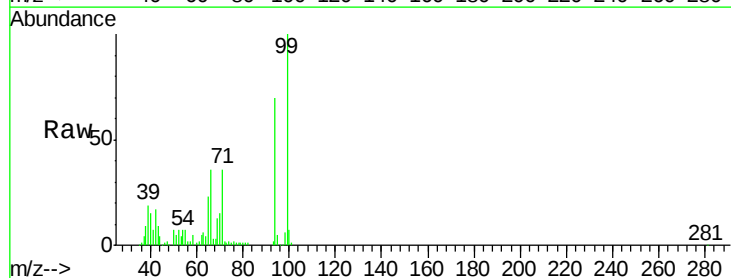
Tgt Ion: 99 Resp: 161374

Ion Ratio Lower Upper

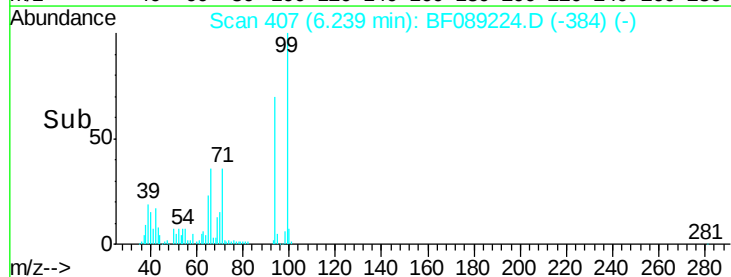
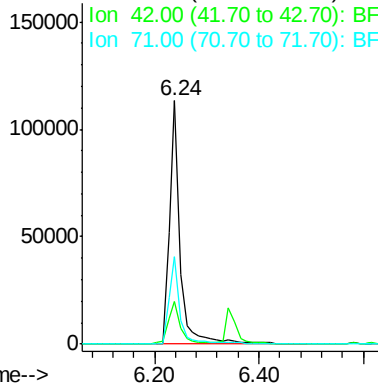
99 100

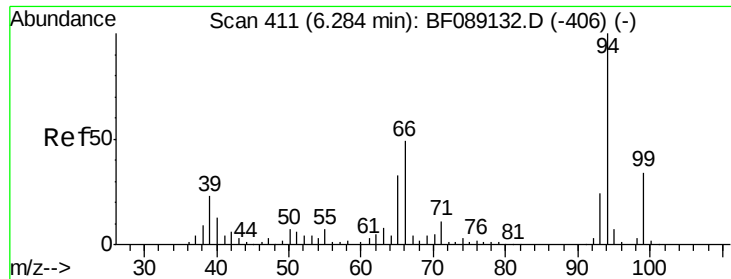
42 17.4 13.5 20.3

71 36.1 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





#10

Phenol

Concen: 78.42 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

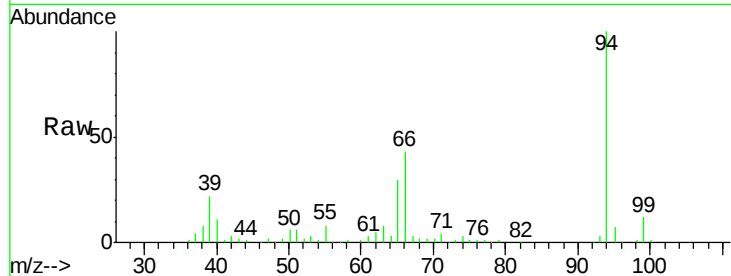
Tgt Ion: 94 Resp: 377491

Ion Ratio Lower Upper

94 100

65 29.9 13.3 53.3

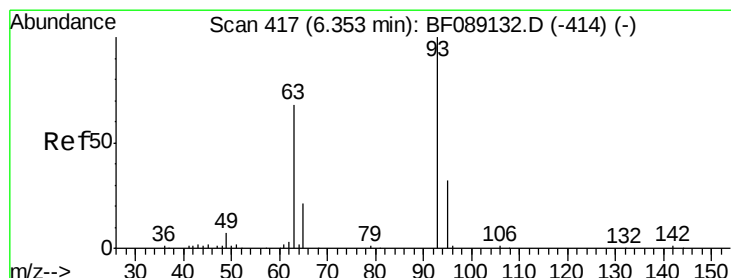
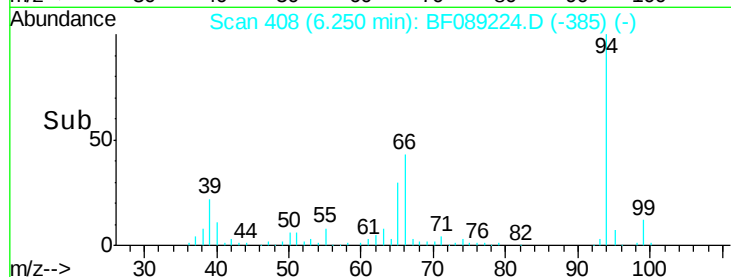
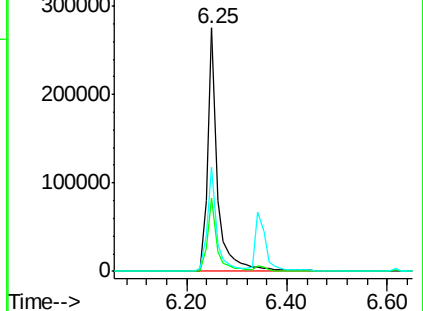
66 42.8 29.3 69.3



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 3.55 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.10 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

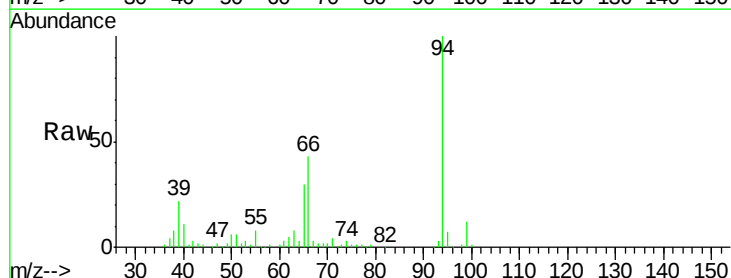
Tgt Ion: 93 Resp: 12851

Ion Ratio Lower Upper

93 100

63 279.1 47.3 87.3#

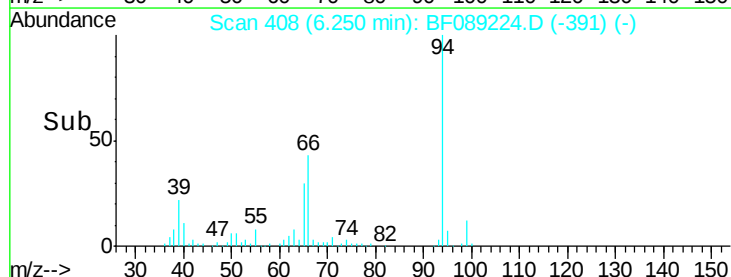
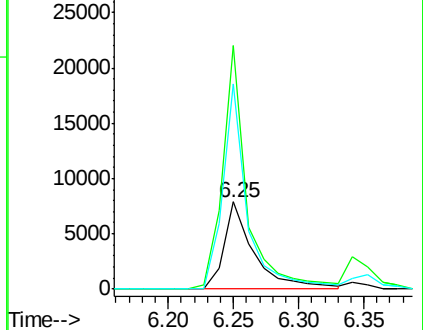
95 235.2 11.8 51.8#

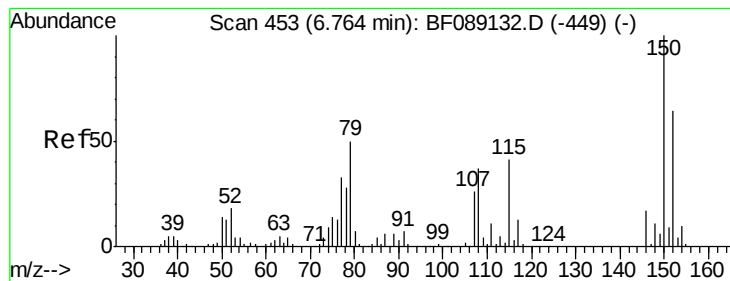


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

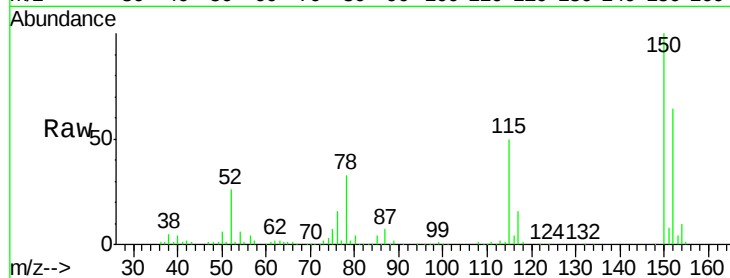
Tgt Ion: 79 Resp: 6132

Ion Ratio Lower Upper

79 100

108 28.6 58.2 87.4#

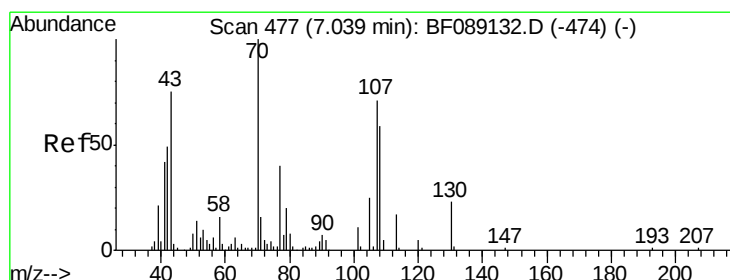
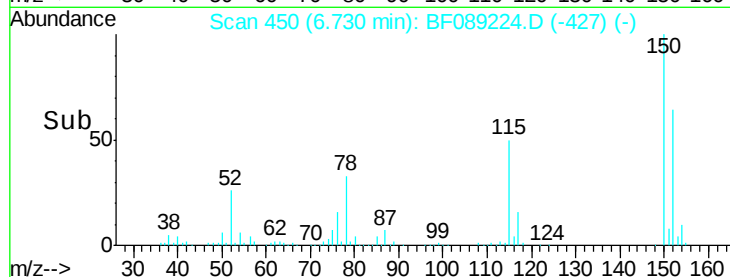
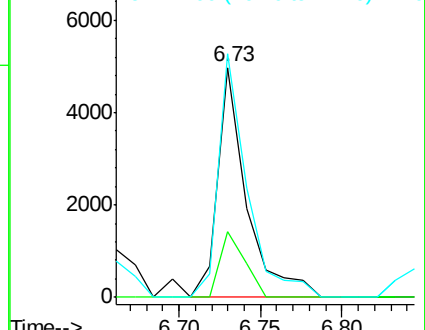
77 106.1 52.2 78.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.21 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Tgt Ion: 70 Resp: 49756

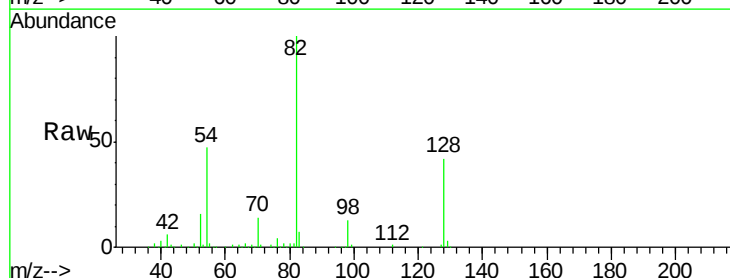
Ion Ratio Lower Upper

70 100

42 42.2 39.2 58.8

101 0.0 8.5 12.7#

130 1.9 18.4 27.6#

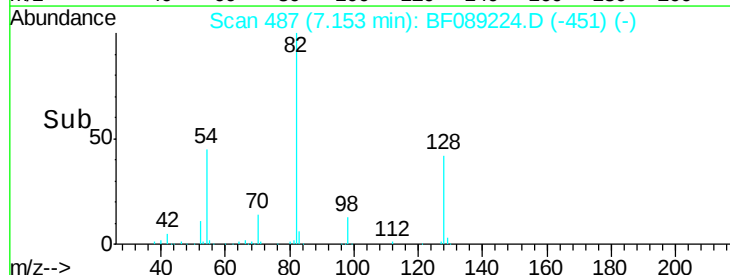
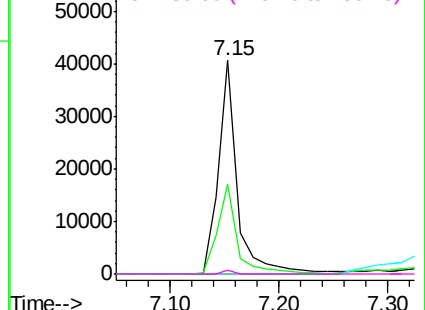


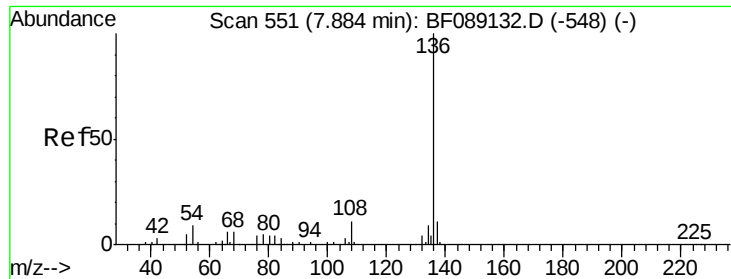
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

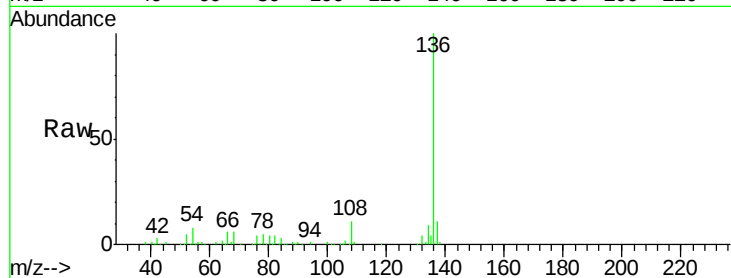




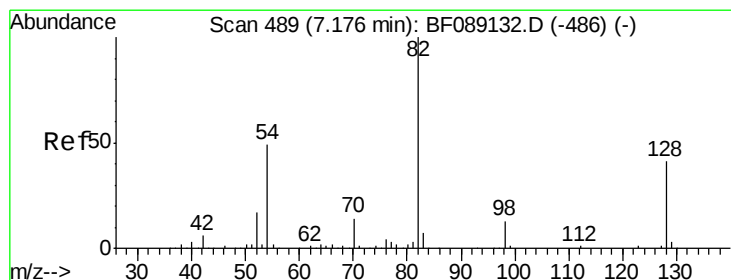
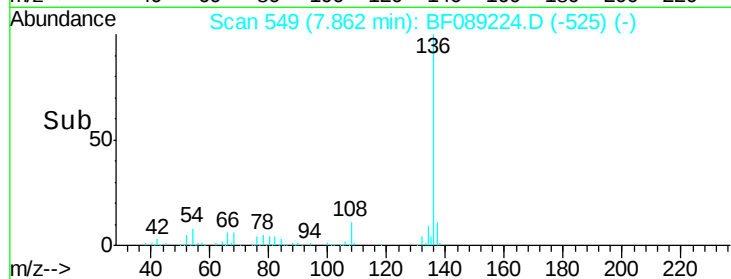
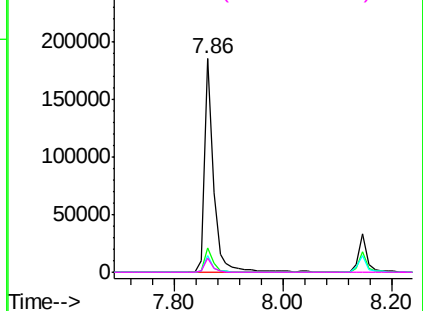
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

Instrument :
BNA_F
ClientSampleId :
TEC-TEMP-MW

Tgt Ion:	136	Resp:	211574
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.9	7.0	10.4
68	6.4	5.0	7.6

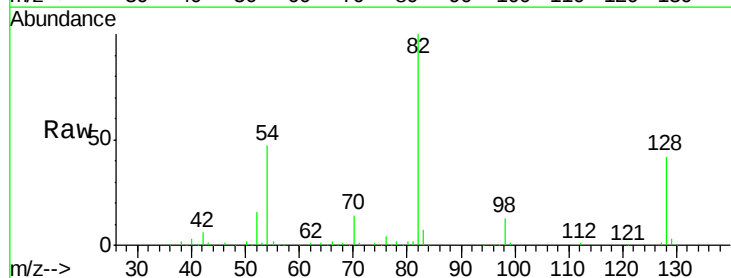


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

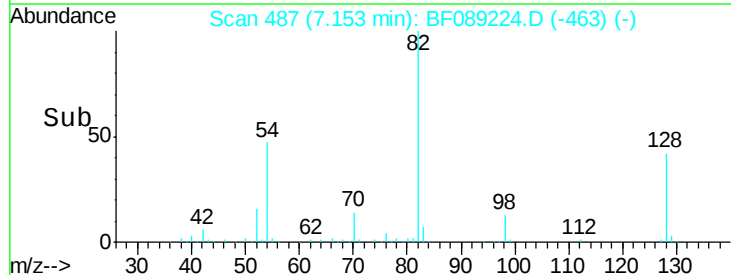
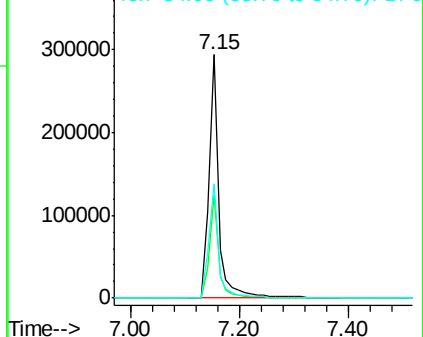


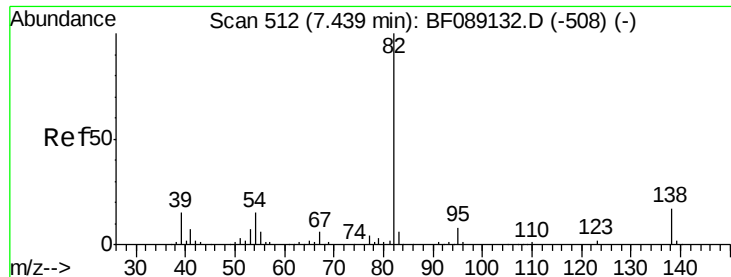
#23
Nitrobenzene-d5
Concen: 92.40 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

Tgt Ion:	82	Resp:	367917
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.6
54	46.7	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: 38.94 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

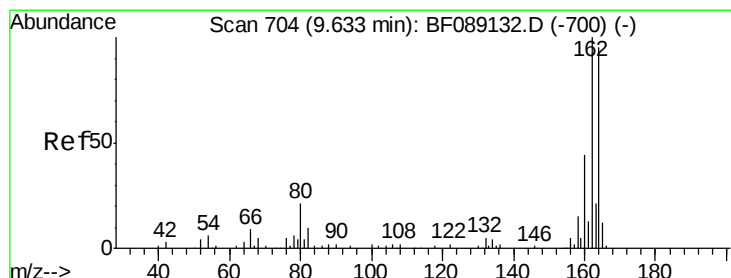
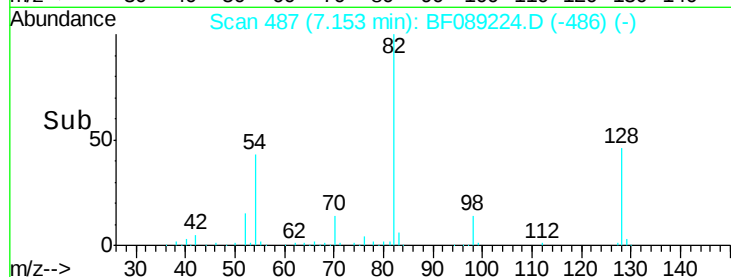
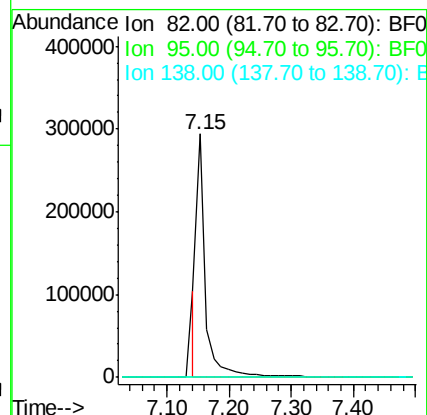
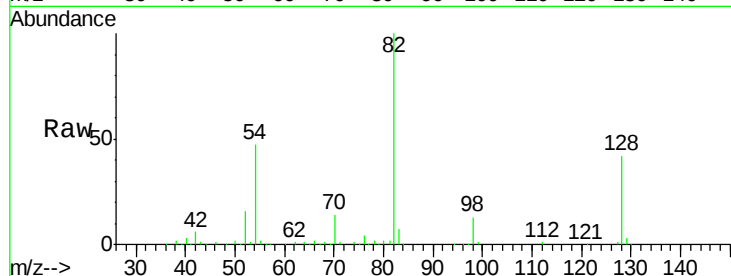
Tgt Ion: 82 Resp: 285745

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 13.6 20.4#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

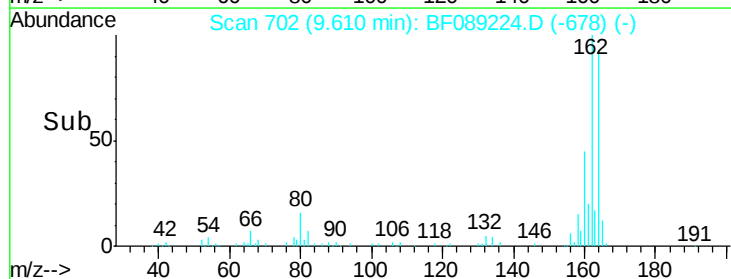
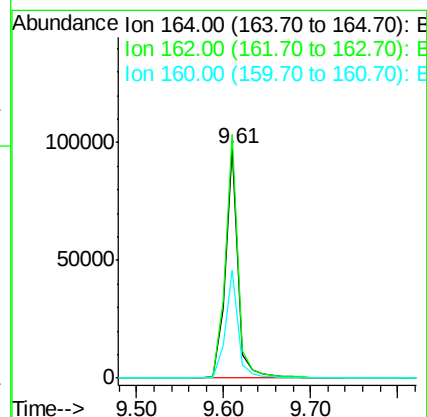
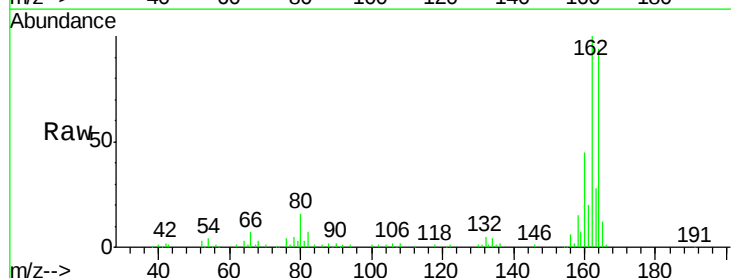
Tgt Ion: 164 Resp: 100117

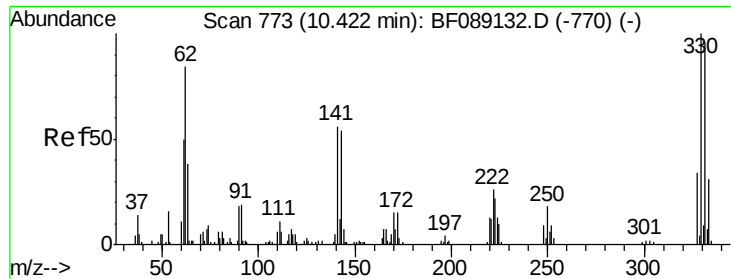
Ion Ratio Lower Upper

164 100

162 106.3 84.1 126.1

160 47.4 37.1 55.7

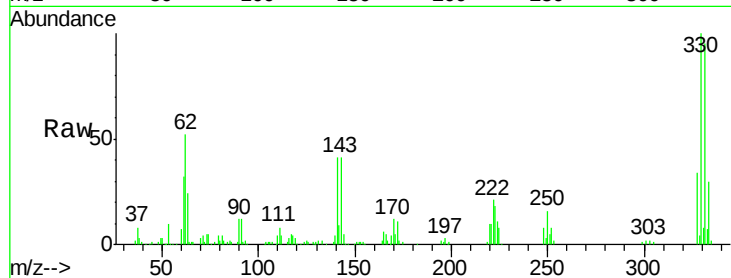




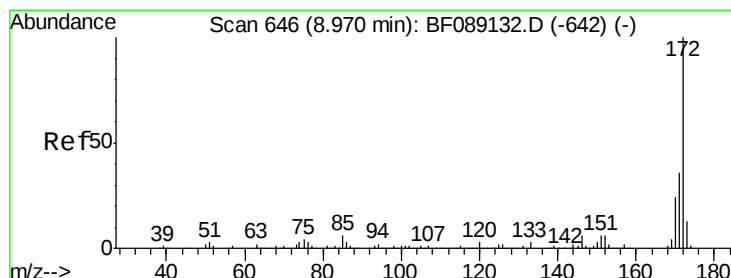
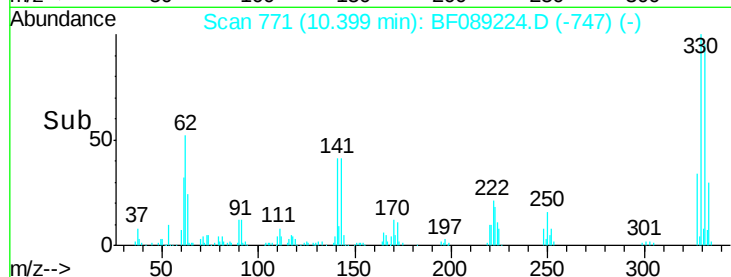
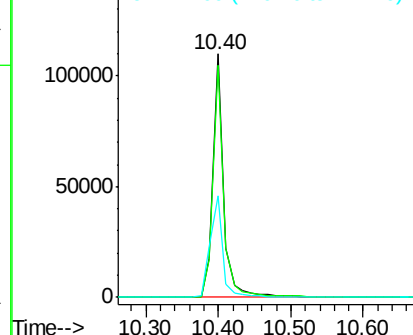
#41
 2,4,6-Tribromophenol
 Concen: 126.19 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089224.D
 Acq: 23 Jul 2016 8:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-TEMP-MW

Tgt Ion:330 Resp: 113747
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 48.7 42.2 63.2

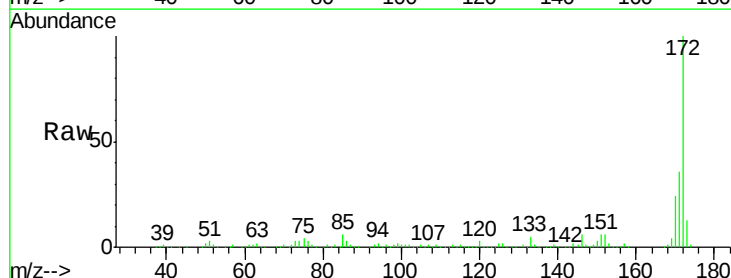


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

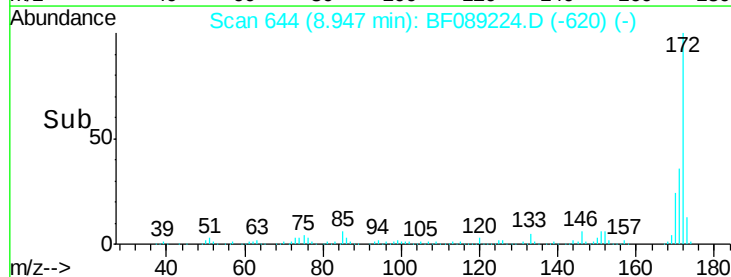
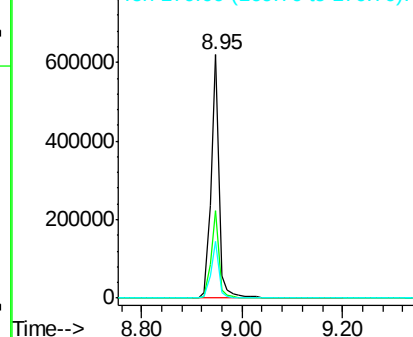


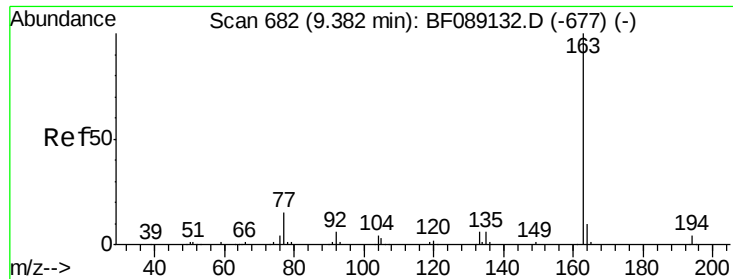
#44
 2-Fluorobiphenyl
 Concen: 93.46 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089224.D
 Acq: 23 Jul 2016 8:23

Tgt Ion:172 Resp: 679092
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.6 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

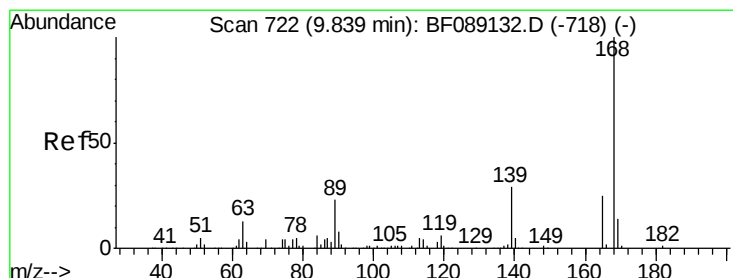
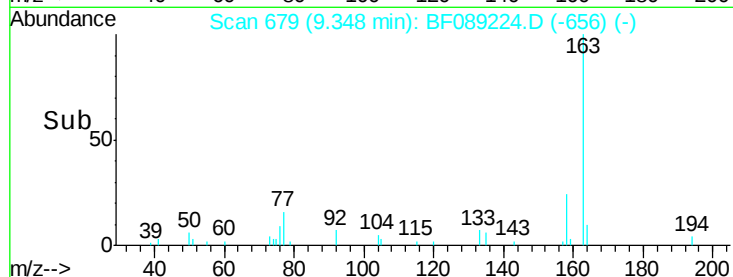
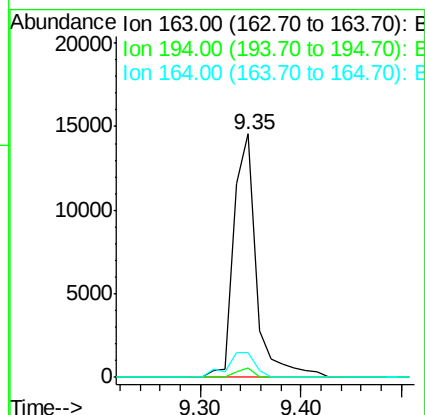
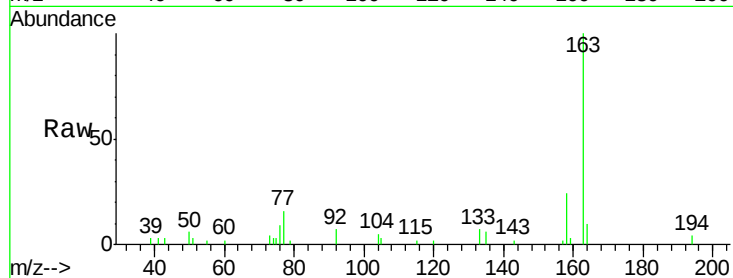




#49
Dimethylphthalate
Concen: 2.94 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

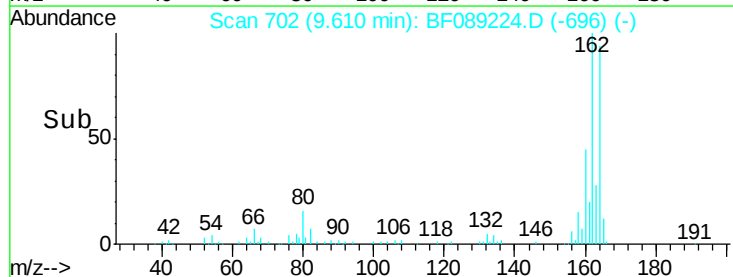
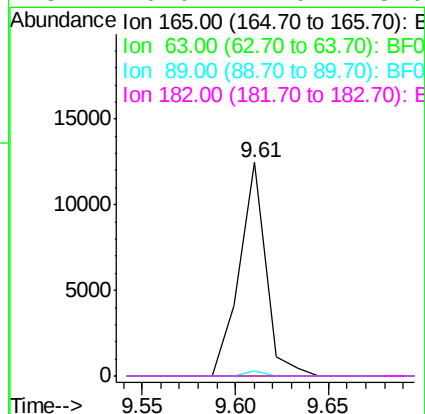
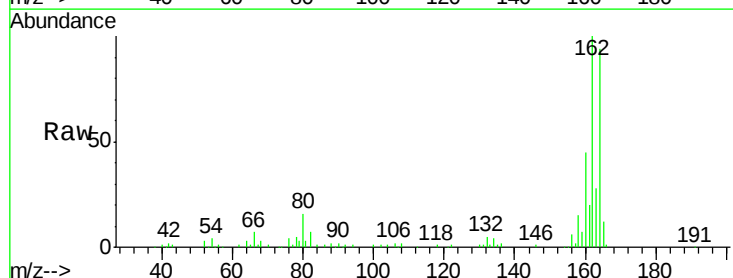
Instrument :
BNA_F
ClientSampleId :
TEC-TEMP-MW

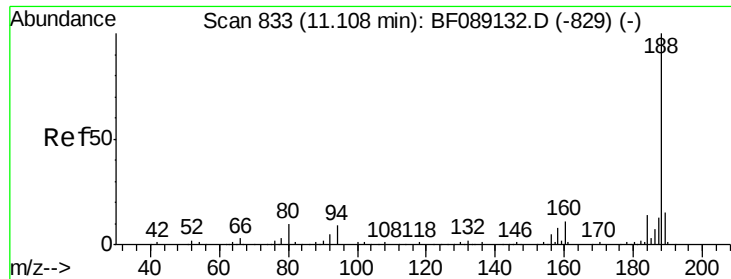
Tgt Ion:163 Resp: 22588
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.0 7.6 11.4



#56
2,4-Dinitrotoluene
Concen: 5.56 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

Tgt Ion:165 Resp: 12420
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 2.4 74.3 111.5#
182 0.0 2.0 3.0#

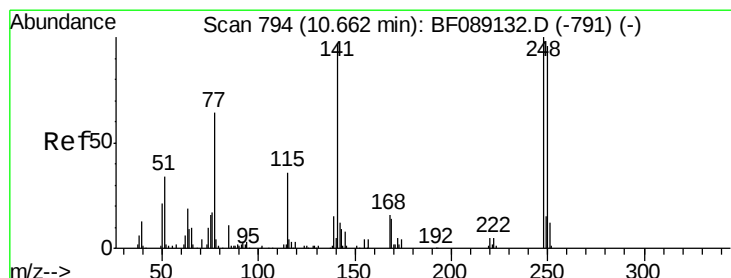
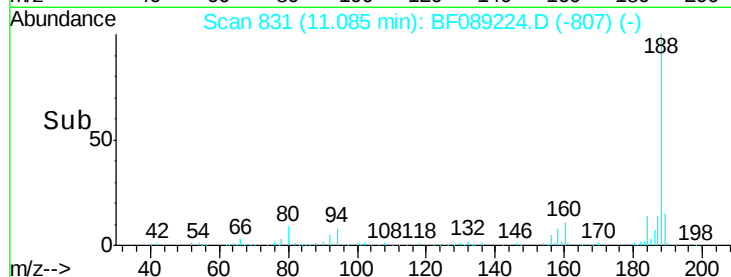
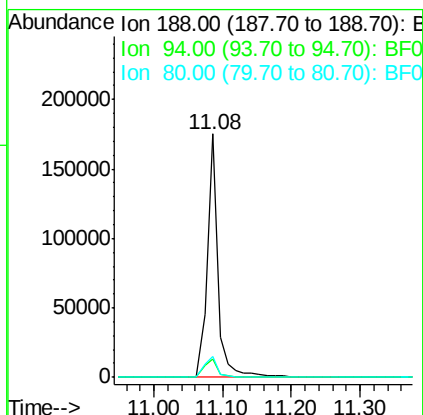
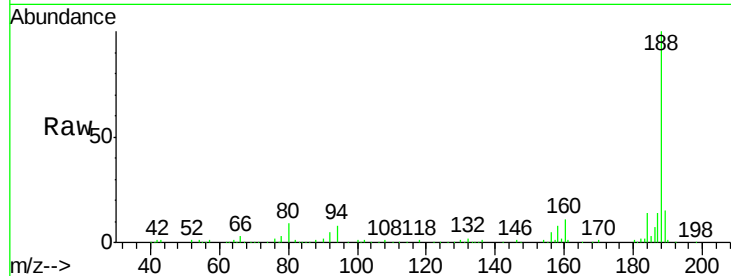




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

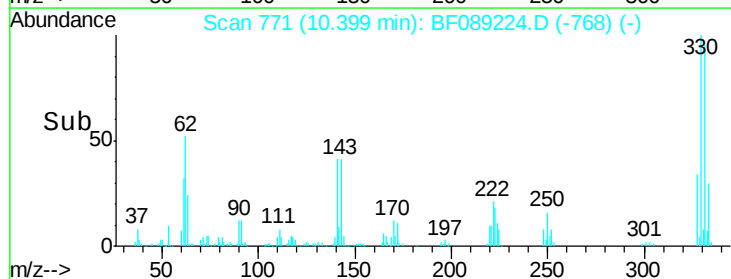
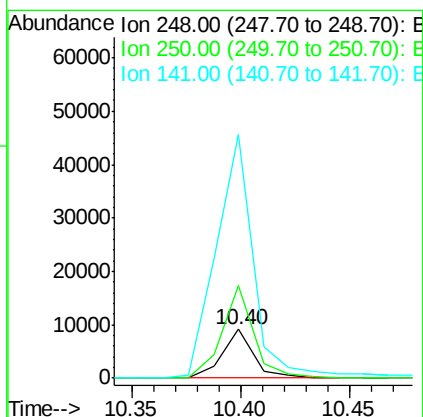
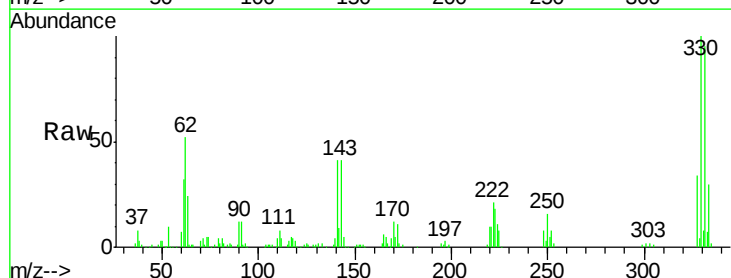
Instrument :
BNA_F
ClientSampleId :
TEC-TEMP-MW

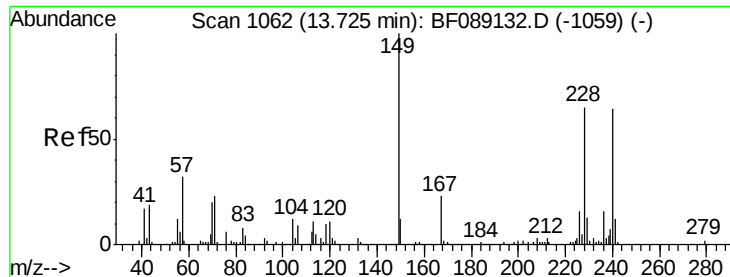
Tgt Ion:188 Resp: 190780
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.8 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.80 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089224.D
Acq: 23 Jul 2016 8:23

Tgt Ion:248 Resp: 9054
Ion Ratio Lower Upper
248 100
250 191.3 76.9 115.3#
141 501.1 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: BF089224.D

Acq: 23 Jul 2016 8:23

Instrument :

BNA_F

ClientSampleId :

TEC-TEMP-MW

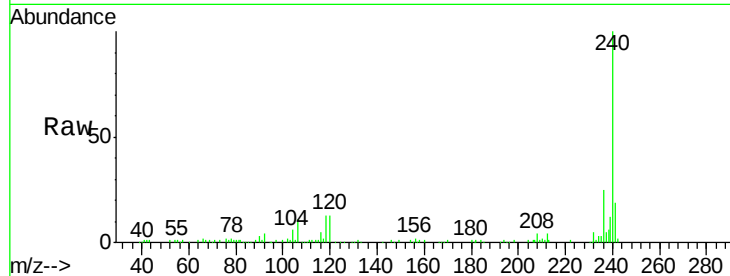
Tgt Ion:240 Resp: 129304

Ion Ratio Lower Upper

240 100

120 13.4 13.6 20.4#

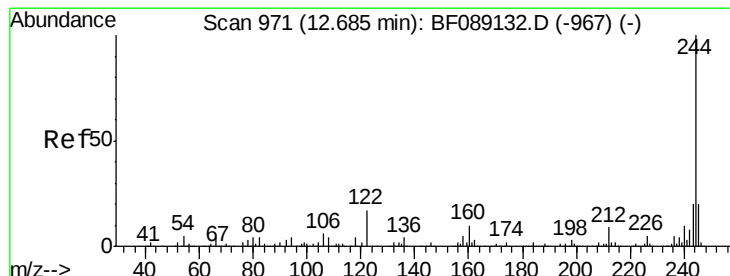
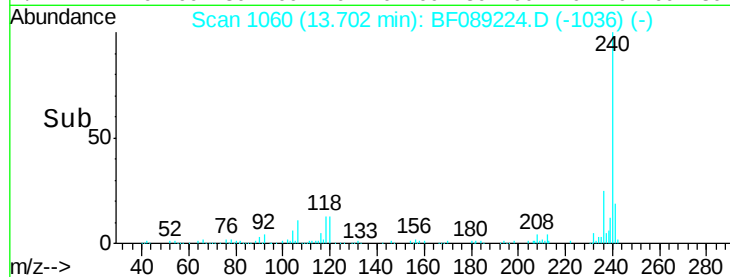
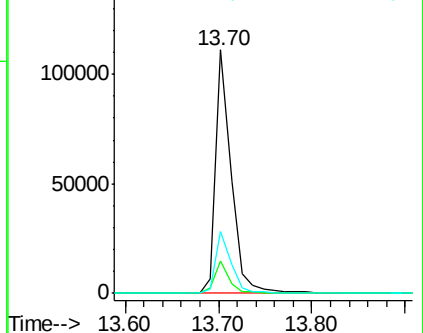
236 25.3 20.5 30.7



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



#78

Terphenyl-d14

Concen: 95.66 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089224.D

Acq: 23 Jul 2016 8:23

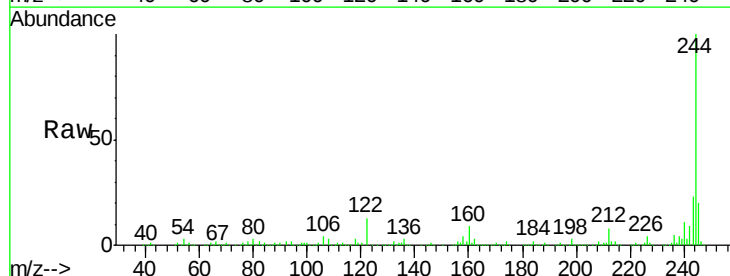
Tgt Ion:244 Resp: 570251

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.4

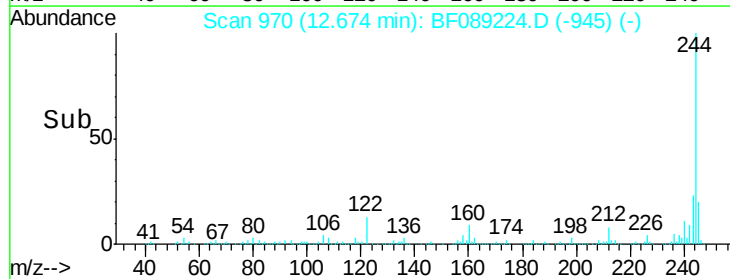
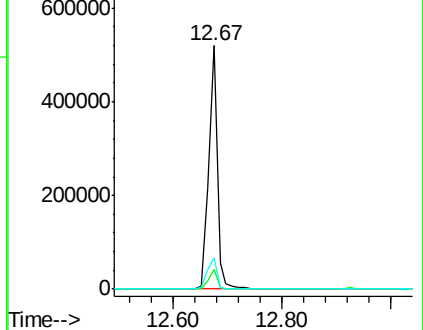
122 12.7 13.8 20.8#

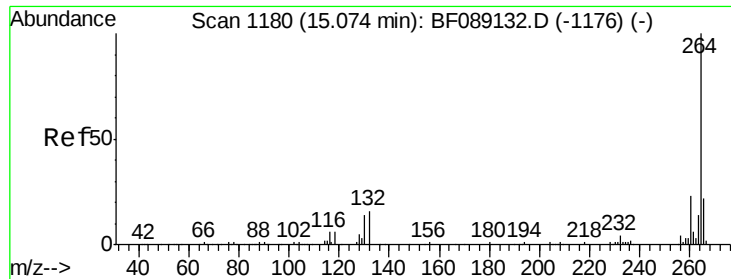


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF089224.D
 Acq: 23 Jul 2016 8:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-TEMP-MW

Tgt Ion: 264 Resp: 92746
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.5 27.7
 265 21.4 17.3 25.9

