

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089225.D
 Acq On : 23 Jul 2016 8:53
 Operator : UM/SJ
 Sample : H4121-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-MW1

Quant Time: Jul 25 01:05:40 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

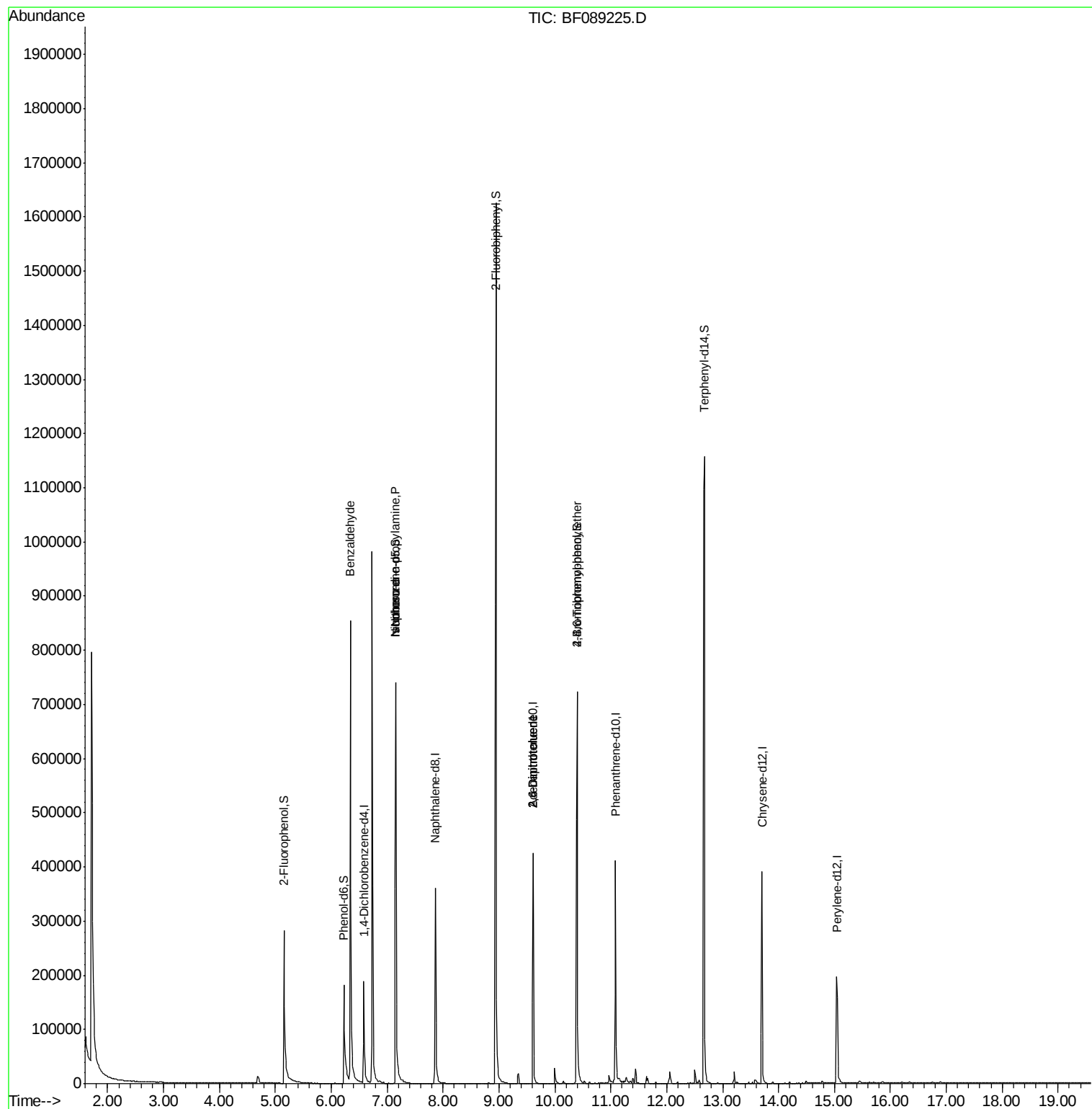
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46103	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	206912	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	97731	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	192749	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	148592	20.00	ng	-0.02
86) Perylene-d12	15.04	264	107232	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	146222	48.24	ng	-0.03
7) Phenol-d6	6.23	99	125595	32.13	ng	-0.05
23) Nitrobenzene-d5	7.15	82	363421	93.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	110193	125.23	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	678769	95.69	ng	-0.02
78) Terphenyl-d14	12.67	244	561100	81.90	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.34	77	6683	2.31	ng	# 74
19) n-Nitroso-di-n-propylamine	7.15	70	47773	18.68	ng	# 79
25) Isophorone	7.15	82	279831	38.99	ng	# 66
50) 2,6-Dinitrotoluene	9.61	165	12127	7.16	ng	# 28
56) 2,4-Dinitrotoluene	9.61	165	12127	5.56	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	8338	4.37	ng	# 1

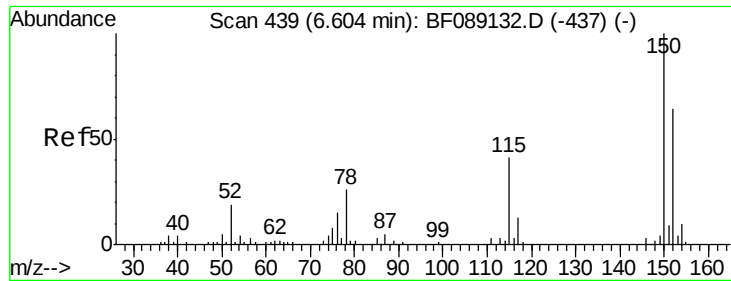
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089225.D

Acq: 23 Jul 2016 8:53

Instrument :

BNA_F

ClientSampleId :

TEC-MW1

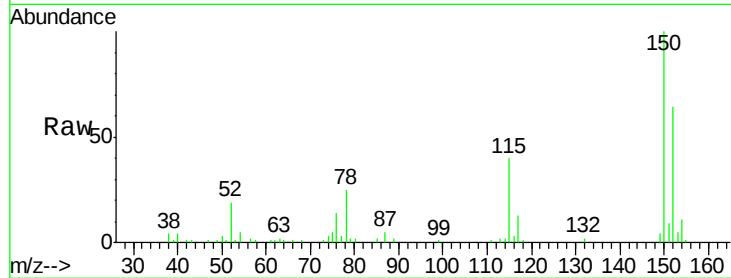
Tgt Ion:152 Resp: 46103

Ion Ratio Lower Upper

152 100

150 155.8 125.1 187.7

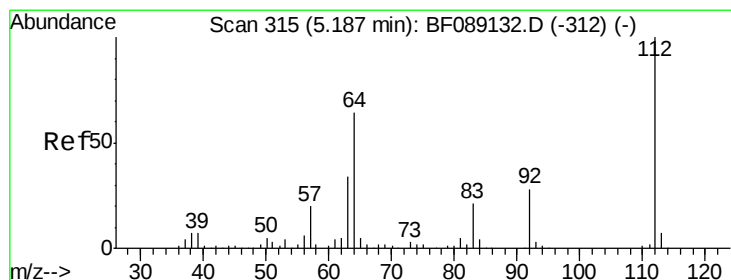
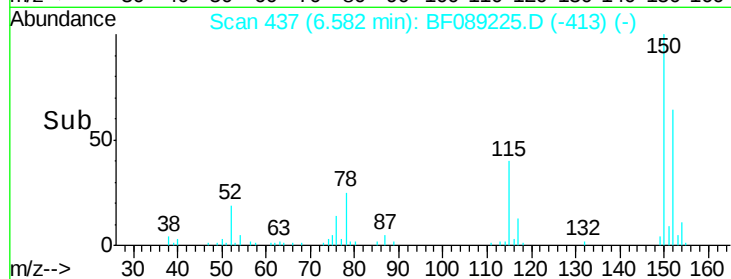
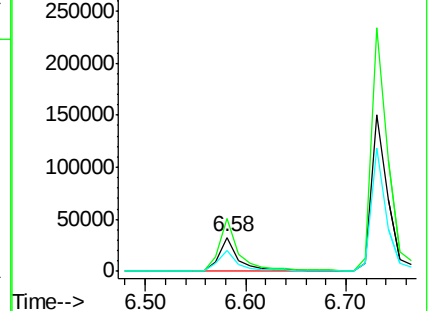
115 63.0 51.1 76.7



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: 48.24 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

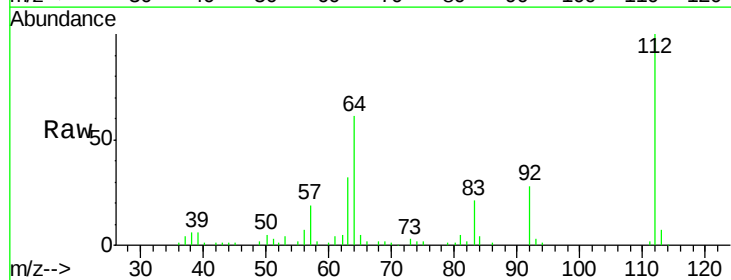
Tgt Ion:112 Resp: 146222

Ion Ratio Lower Upper

112 100

64 61.3 51.0 76.4

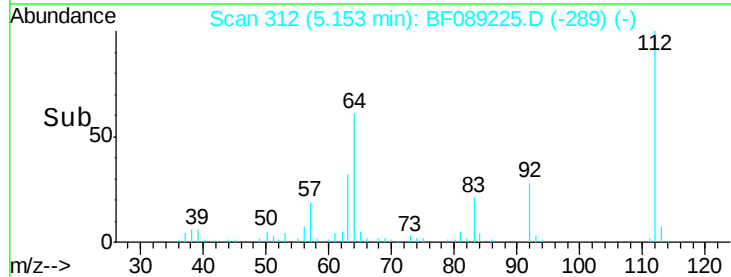
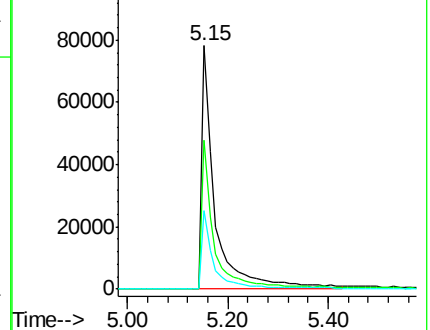
63 32.3 27.3 40.9

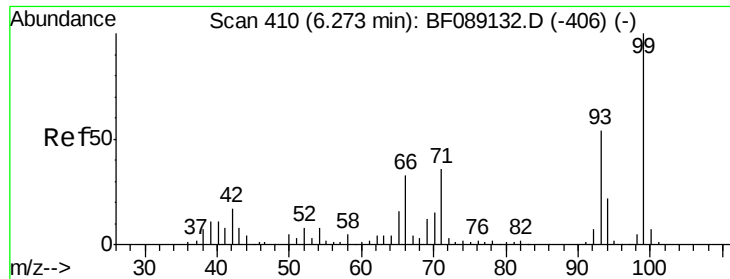


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.13 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

Instrument :

BNA_F

ClientSampleId :

TEC-MW1

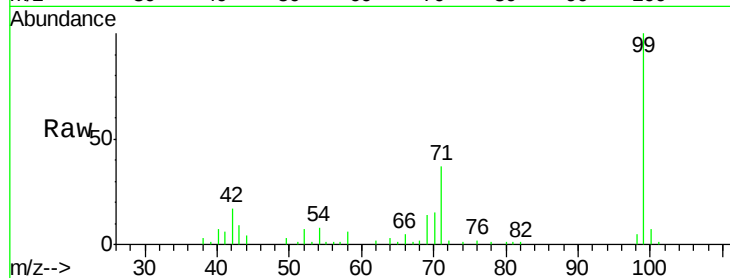
Tgt Ion: 99 Resp: 125595

Ion Ratio Lower Upper

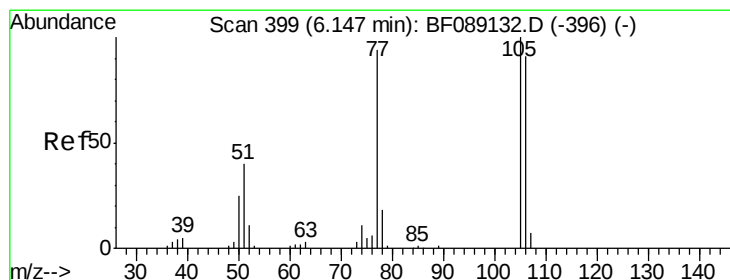
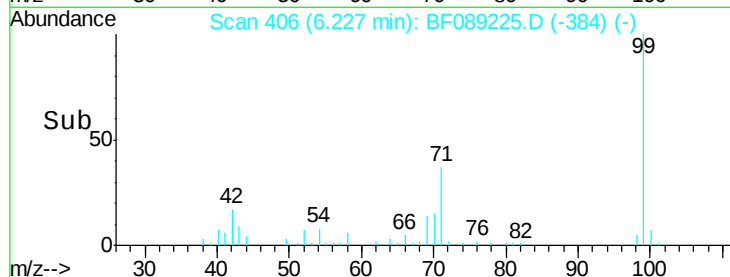
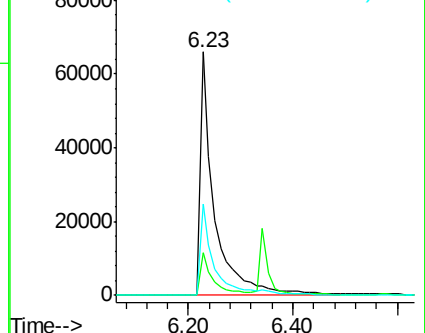
99 100

42 17.4 13.5 20.3

71 37.4 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



#9

Benzaldehyde

Concen: 2.31 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

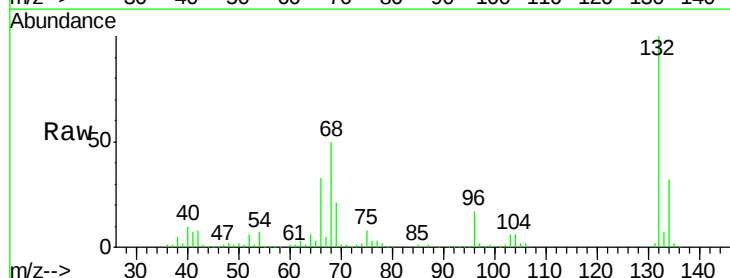
Tgt Ion: 77 Resp: 6683

Ion Ratio Lower Upper

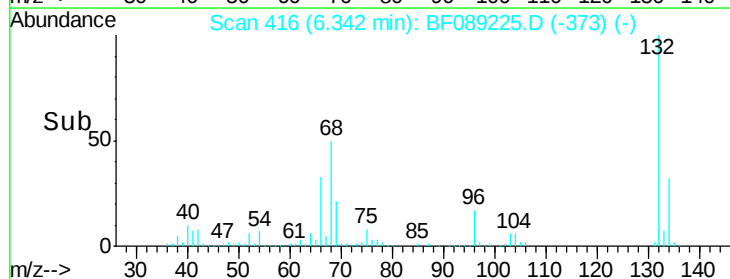
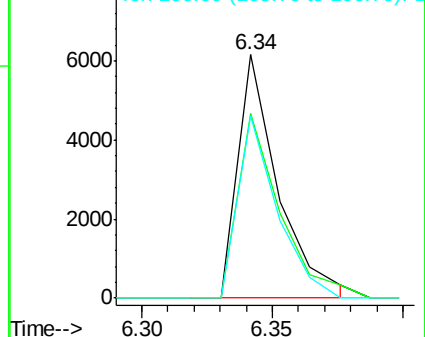
77 100

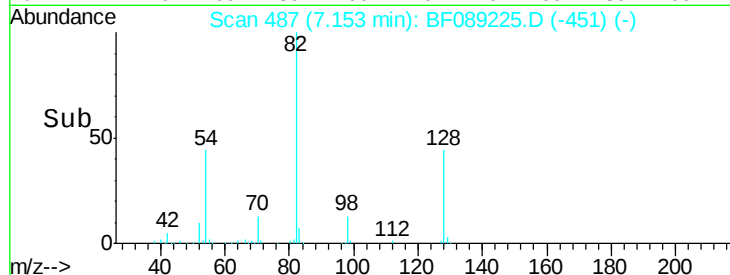
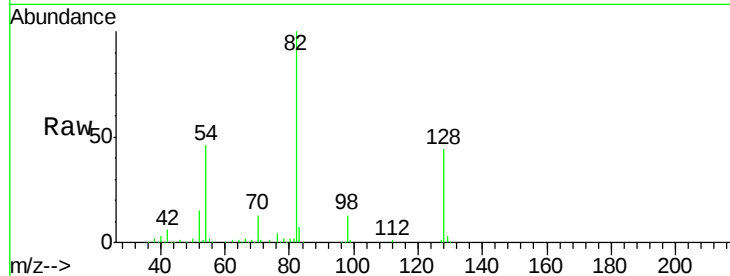
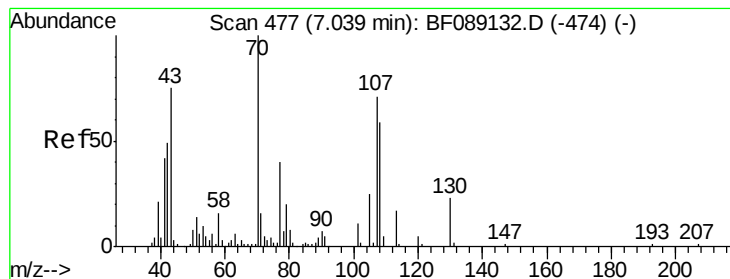
105 76.1 86.2 126.2#

106 75.0 76.3 116.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.68 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

Instrument :

BNA_F

ClientSampleId :

TEC-MW1

Tgt Ion: 70 Resp: 47773

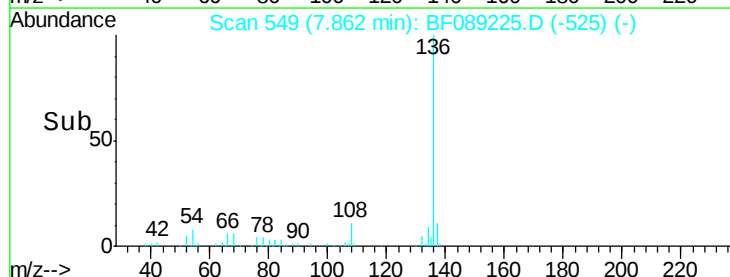
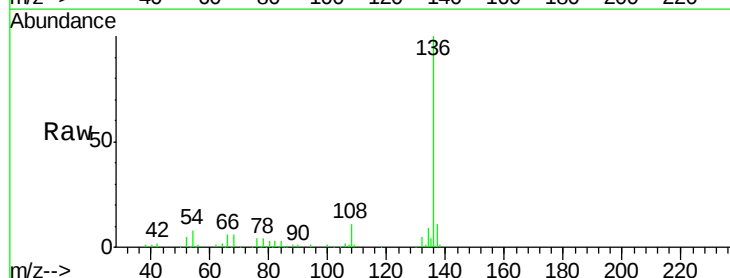
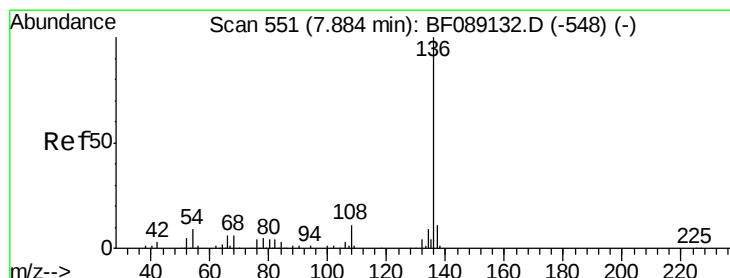
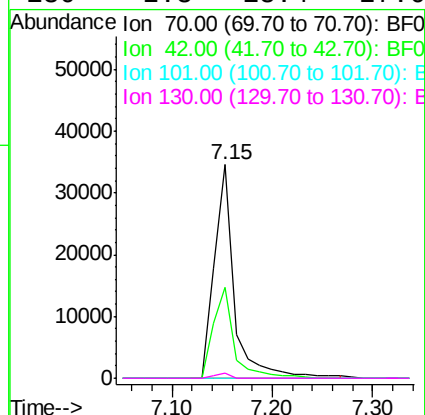
Ion Ratio Lower Upper

70 100

42 42.8 39.2 58.8

101 0.0 8.5 12.7#

130 2.3 18.4 27.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

Tgt Ion: 136 Resp: 206912

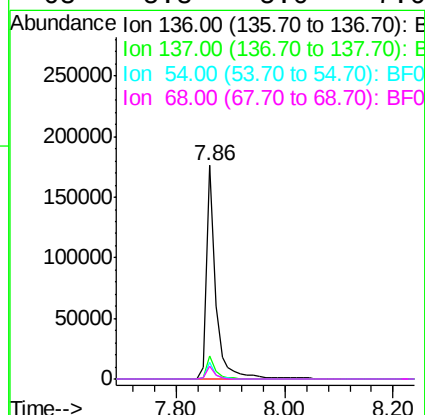
Ion Ratio Lower Upper

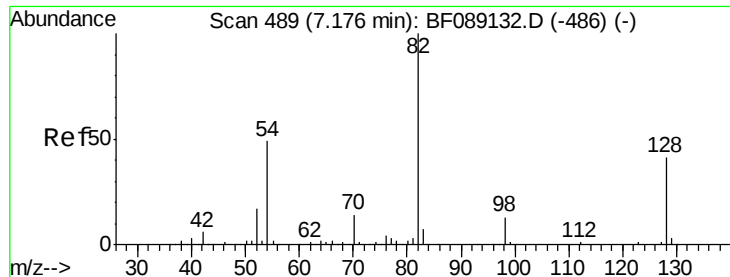
136 100

137 10.7 8.8 13.2

54 7.8 7.0 10.4

68 5.8 5.0 7.6

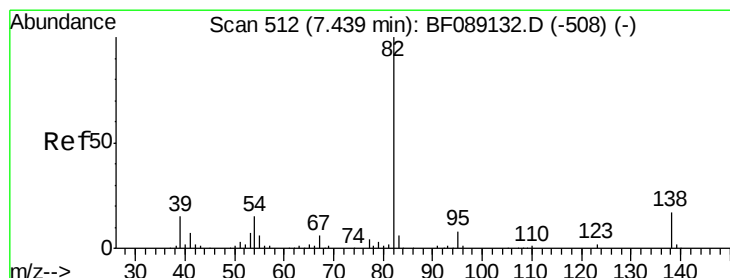
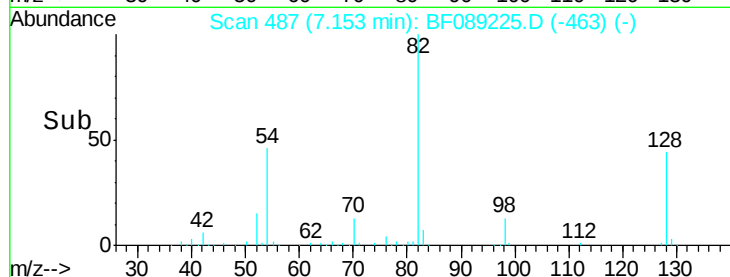
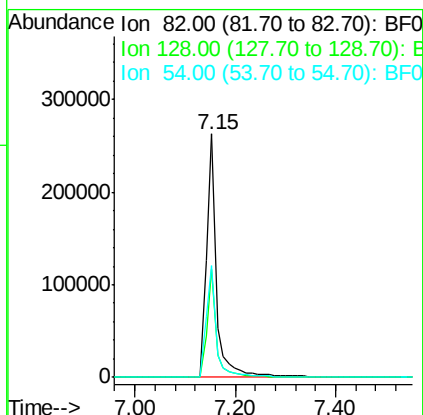
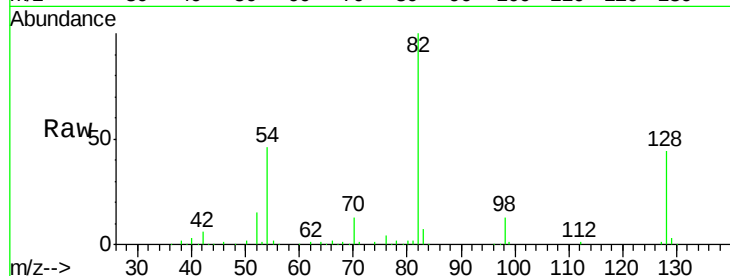




#23
 Nitrobenzene-d5
 Concen: 93.32 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

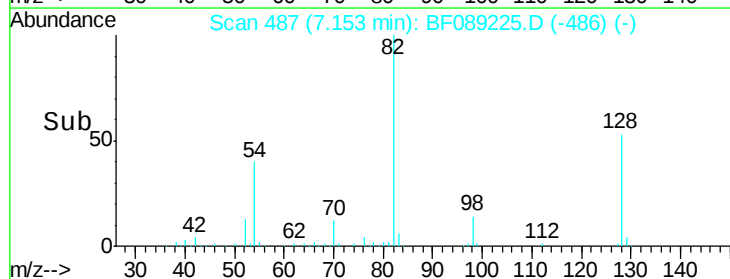
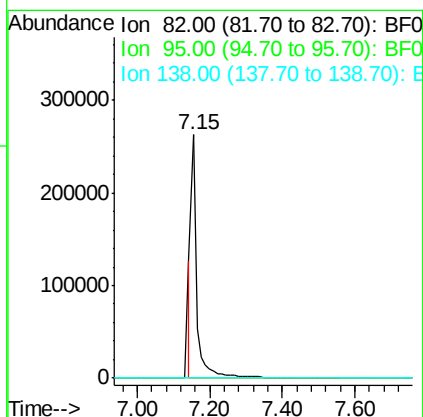
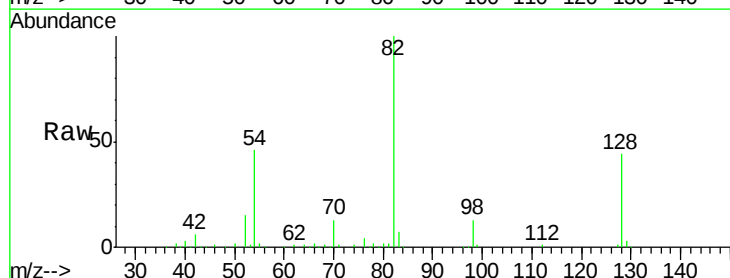
Instrument :
 BNA_F
 ClientSampleId :
 TEC-MW1

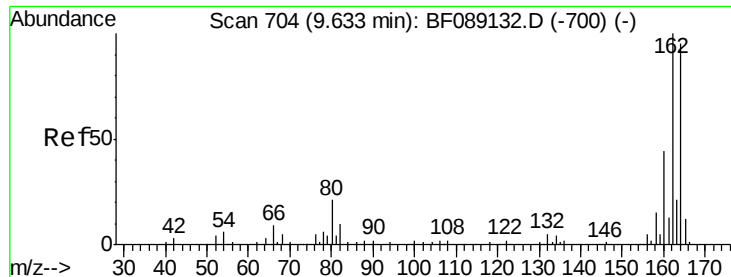
Tgt Ion: 82 Resp: 363421
 Ion Ratio Lower Upper
 82 100
 128 44.2 33.0 49.6
 54 45.7 39.0 58.4



#25
 Isophorone
 Concen: 38.99 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.29 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Tgt Ion: 82 Resp: 279831
 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: BF089225.D

Acq: 23 Jul 2016 8:53

Instrument :

BNA_F

ClientSampleId :

TEC-MW1

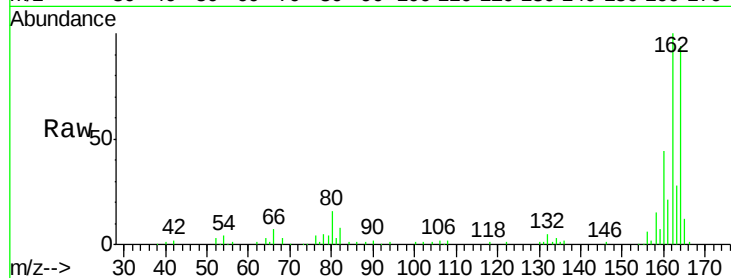
Tgt Ion:164 Resp: 97731

Ion Ratio Lower Upper

164 100

162 106.6 84.1 126.1

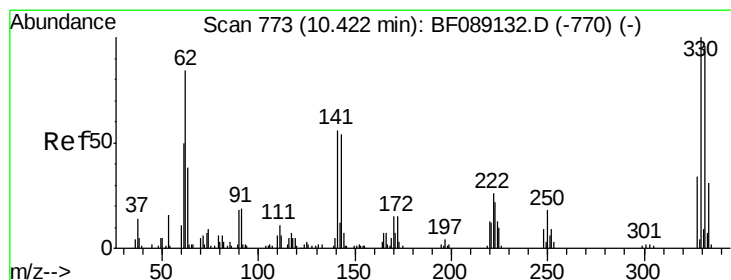
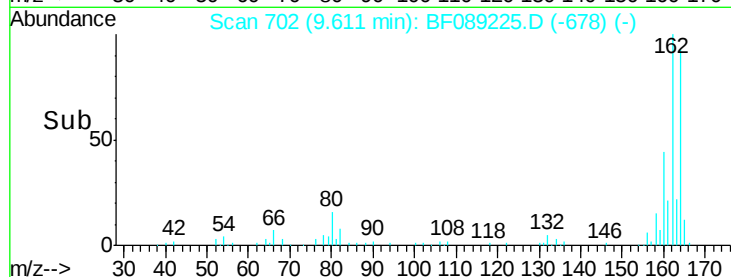
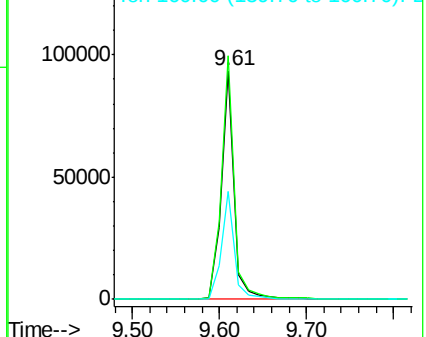
160 47.2 37.1 55.7



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: 125.23 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF089225.D

Acq: 23 Jul 2016 8:53

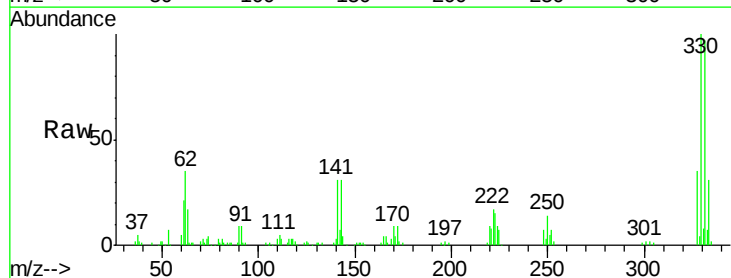
Tgt Ion:330 Resp: 110193

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

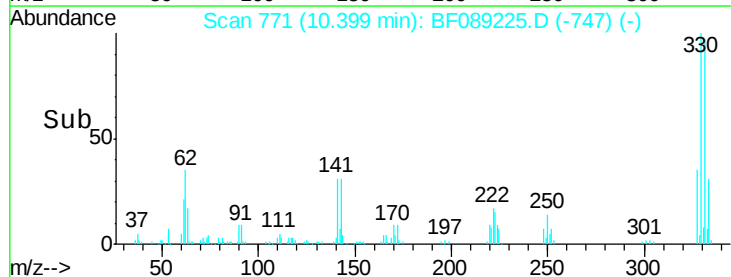
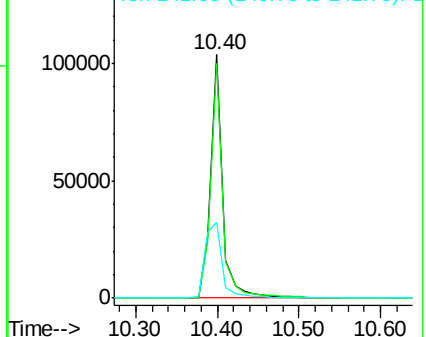
141 44.4 42.2 63.2

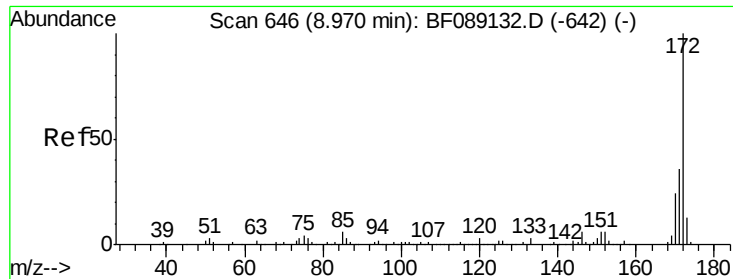


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

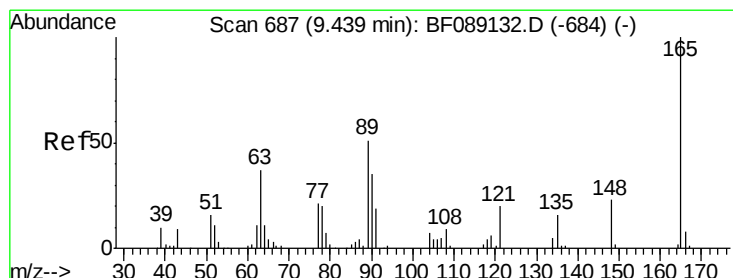
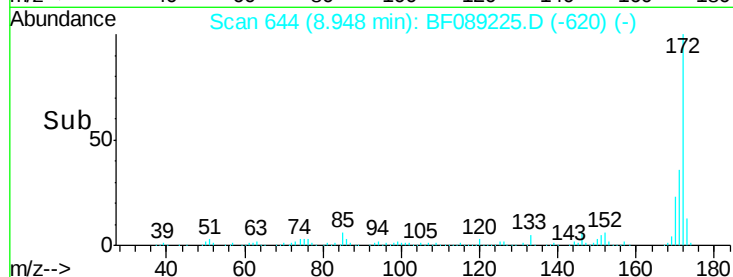
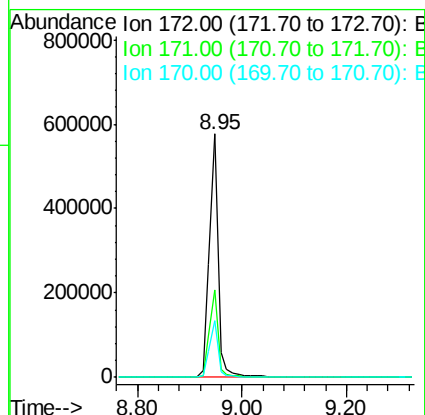
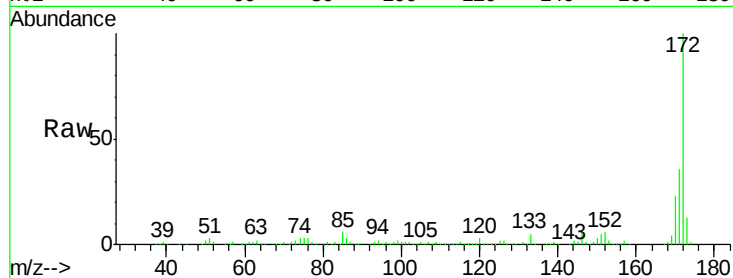




#44
 2-Fluorobiphenyl
 Concen: 95.69 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

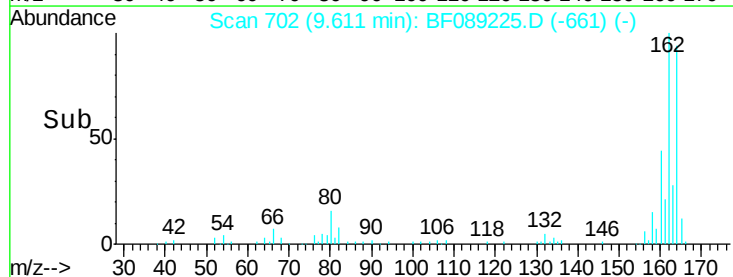
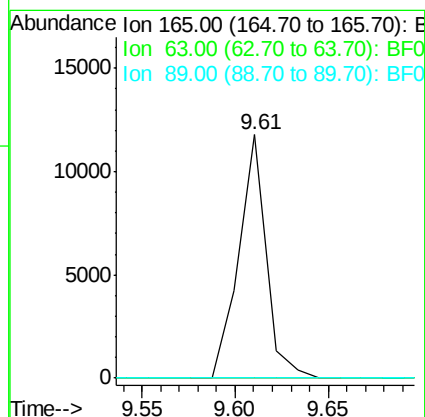
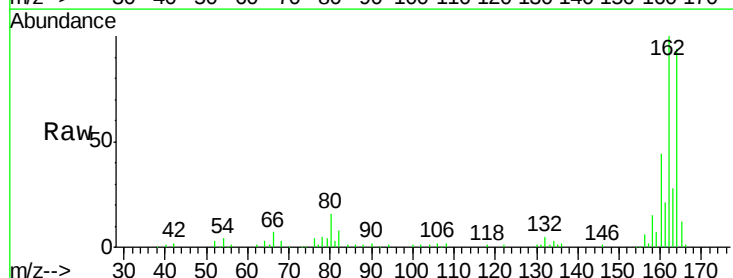
Instrument :
 BNA_F
 ClientSampleId :
 TEC-MW1

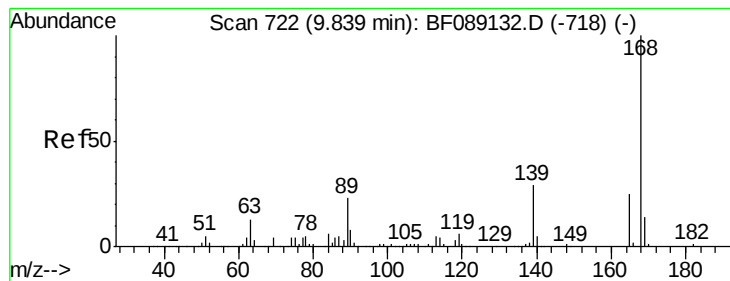
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.5	19.1	28.7



#50
 2,6-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.17 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.0	55.4#
89	0.0	40.9	61.3#

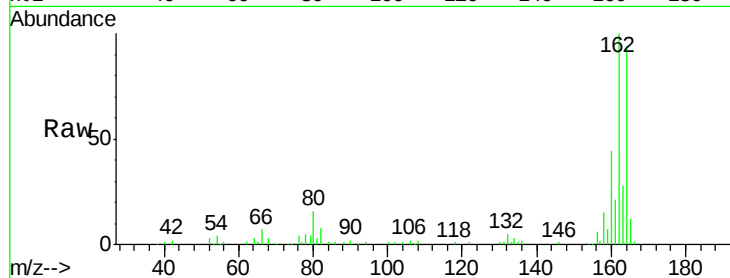




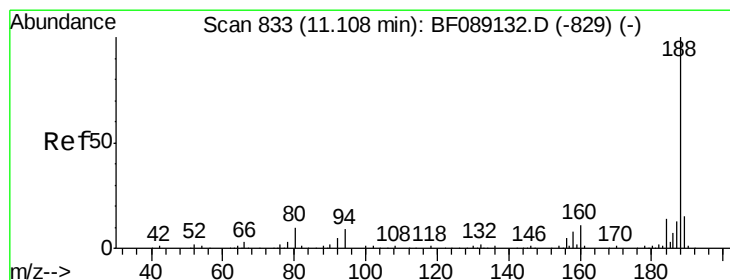
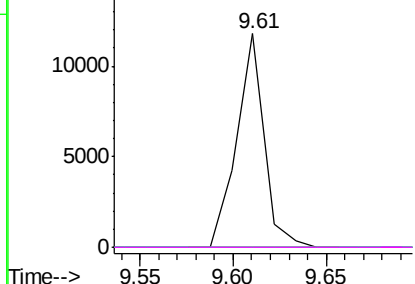
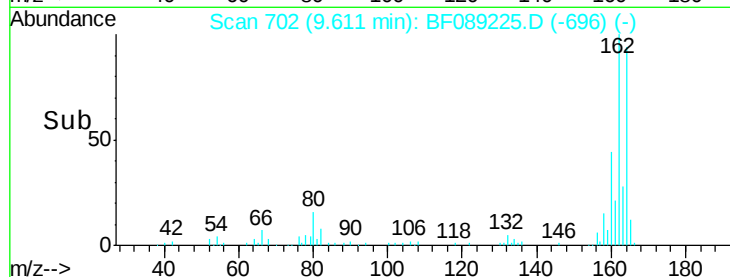
#56
 2,4-Dinitrotoluene
 Concen: 5.56 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.23 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Instrument :
 BNA_F
 ClientSampleId :
 TEC-MW1

Tgt Ion:165 Resp: 12127
 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#

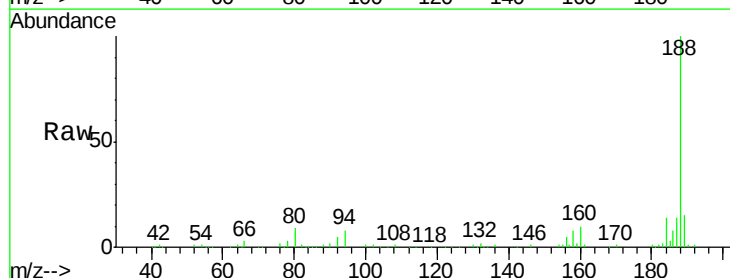


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

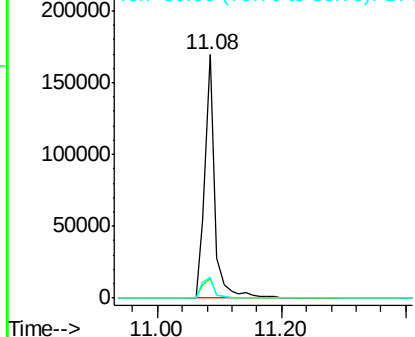
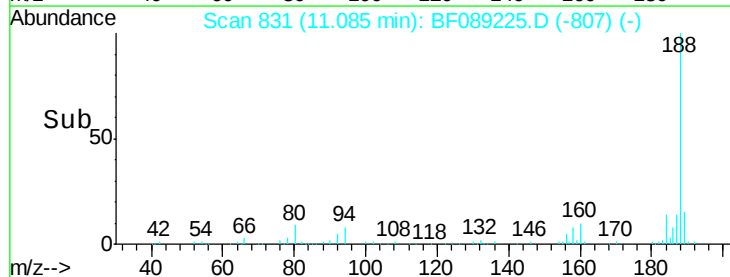


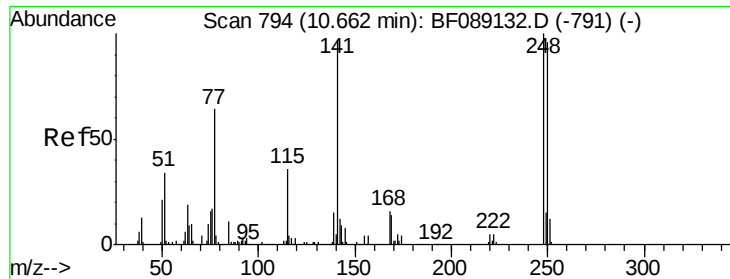
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Tgt Ion:188 Resp: 192749
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.0 10.4
 80 8.7 7.7 11.5



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

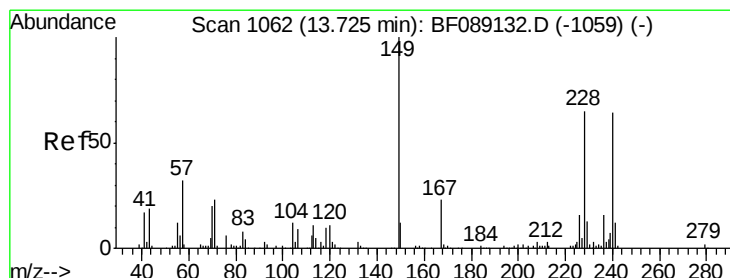
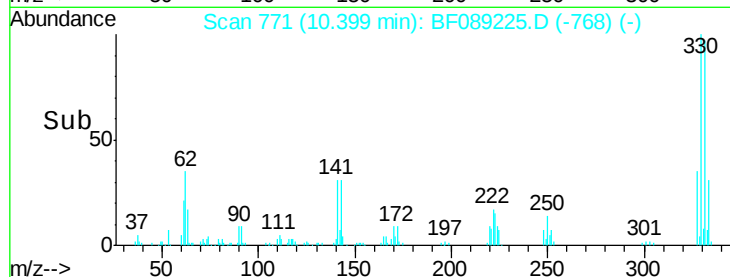
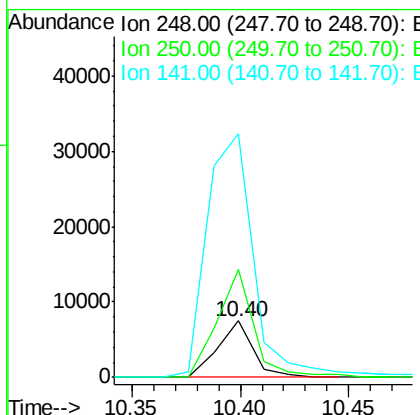
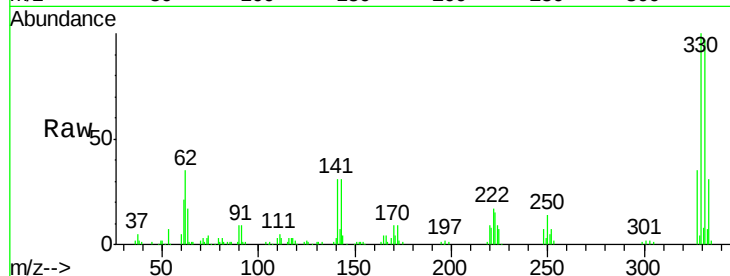




#66
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.26 min
Lab File: BF089225.D
Acq: 23 Jul 2016 8:53

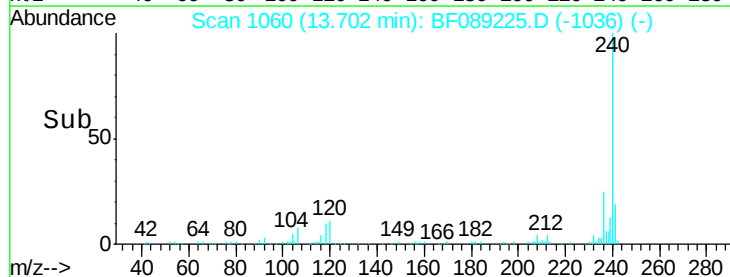
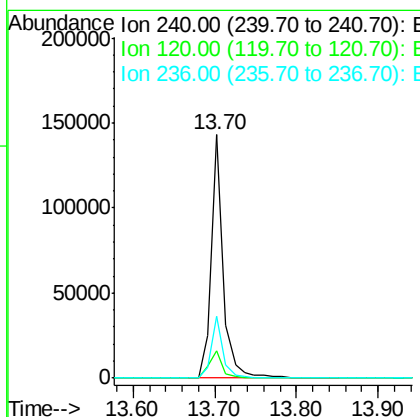
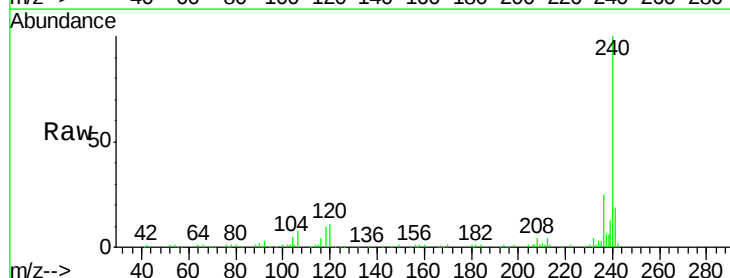
Instrument :
BNA_F
ClientSampleId :
TEC-MW1

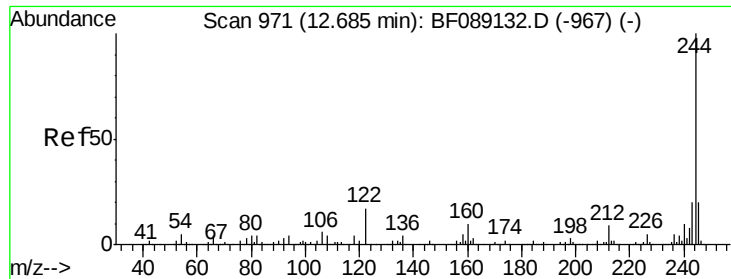
Tgt Ion:248 Resp: 8338
Ion Ratio Lower Upper
248 100
250 192.6 76.9 115.3#
141 432.0 77.4 116.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF089225.D
Acq: 23 Jul 2016 8:53

Tgt Ion:240 Resp: 148592
Ion Ratio Lower Upper
240 100
120 11.0 13.6 20.4#
236 25.3 20.5 30.7

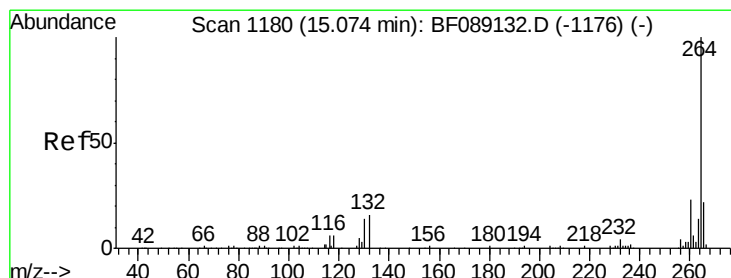
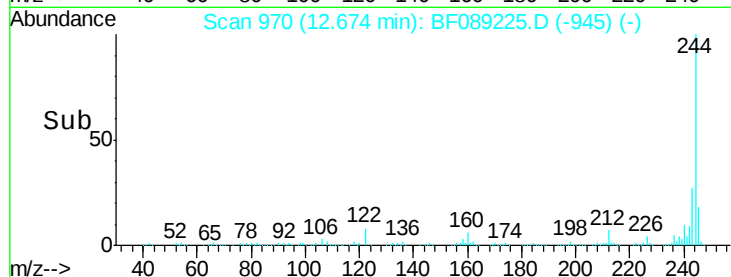
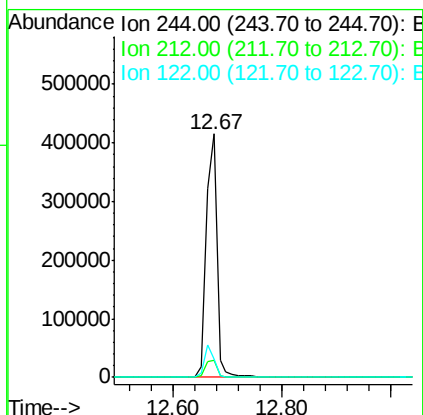
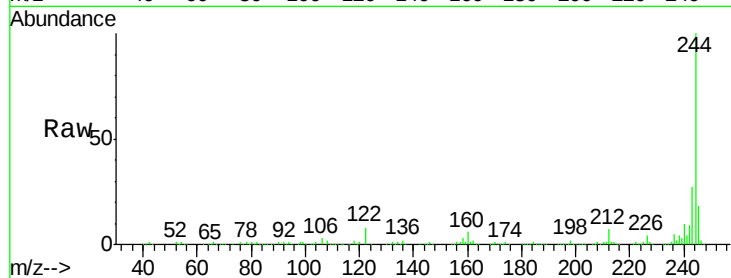




#78
 Terphenyl-d14
 Concen: 81.90 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Instrument :
 BNA_F
 ClientSampled :
 TEC-MW1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.0	10.4
122	7.7	13.8	20.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.03 min
 Lab File: BF089225.D
 Acq: 23 Jul 2016 8:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	20.8	17.3	25.9

