

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089452.D
 Acq On : 30 Jul 2016 14:43
 Operator : UM/SJ
 Sample : PB92568BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:08:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

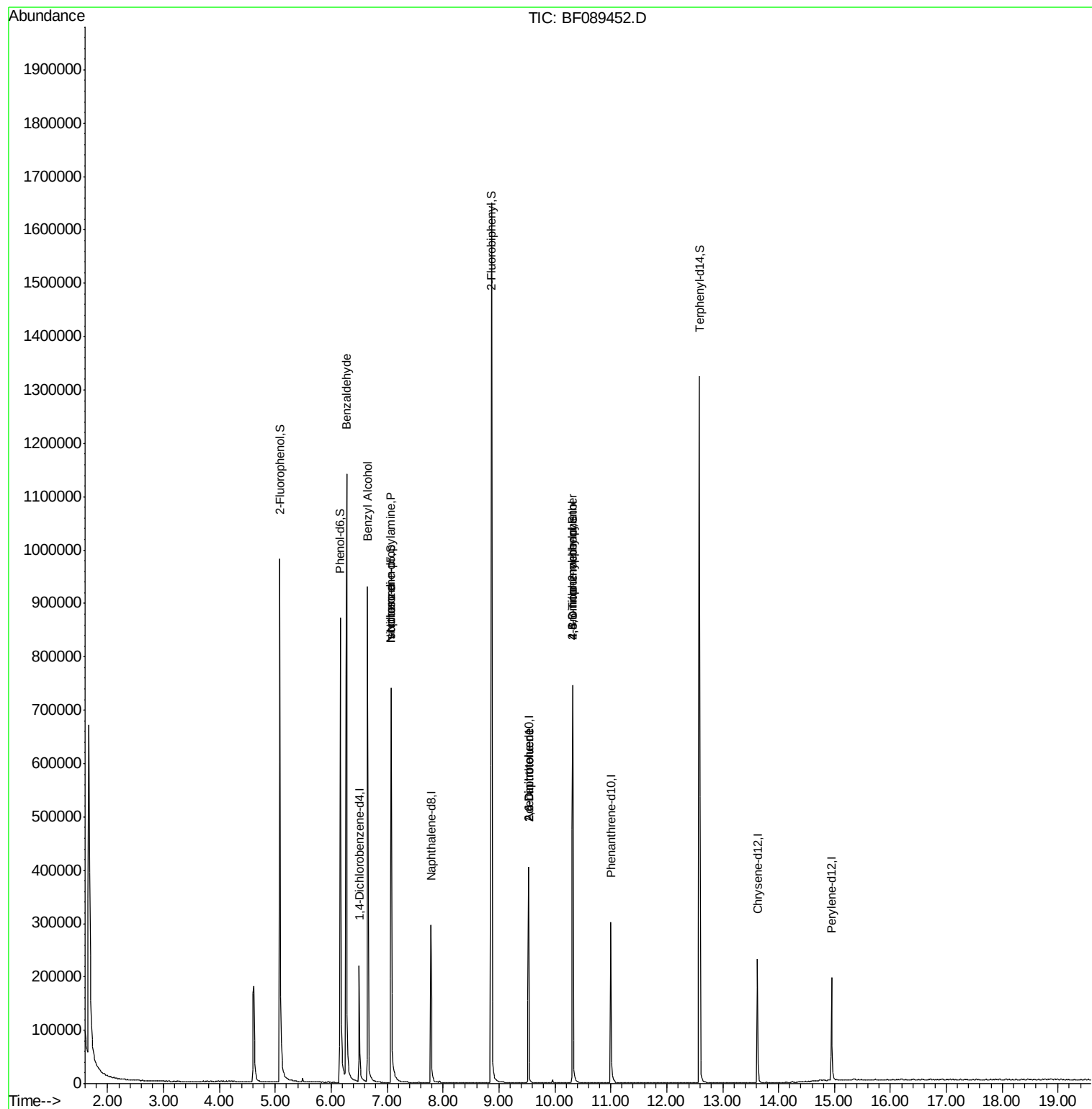
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	44291	20.00	ng	-0.05
21) Naphthalene-d8	7.78	136	190404	20.00	ng	-0.05
38) Acenaphthene-d10	9.53	164	91719	20.00	ng	-0.05
63) Phenanthrene-d10	11.00	188	178627	20.00	ng	-0.05
75) Chrysene-d12	13.62	240	121806	20.00	ng	-0.05
86) Perylene-d12	14.95	264	84821	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	405259	146.10	ng	-0.02
7) Phenol-d6	6.16	99	484971	132.30	ng	-0.05
23) Nitrobenzene-d5	7.07	82	327682	101.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	106272	139.90	ng	-0.05
44) 2-Fluorobiphenyl	8.87	172	592170	94.75	ng	-0.05
78) Terphenyl-d14	12.58	244	485266	93.24	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	9832	5.49	ng	84
15) Benzyl Alcohol	6.65	79	4861	2.14	ng	# 47
19) n-Nitroso-di-n-propylamine	7.07	70	42658	19.30	ng	# 81
25) Isophorone	7.07	82	276595	42.57	ng	# 67
50) 2,6-Dinitrotoluene	9.53	165	11309	7.88	ng	# 24
56) 2,4-Dinitrotoluene	9.53	165	11309	5.99	ng	# 7
64) 4,6-Dinitro-2-methylphenol	10.32	198	214	4.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.32	248	8115	4.76	ng	# 1

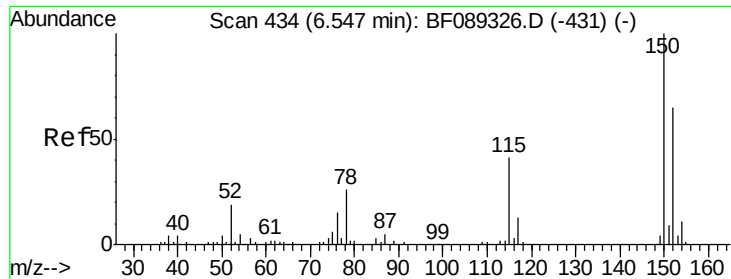
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Instrument :

BNA_F

ClientSampled :

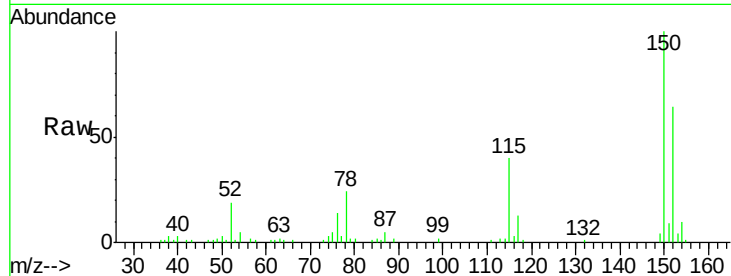
Tot Ion:152 Resp: 44291

Ion Ratio Lower Upper

152 100

150 155.5 129.5 194.3

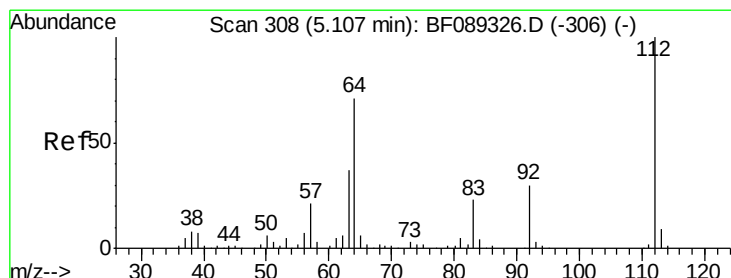
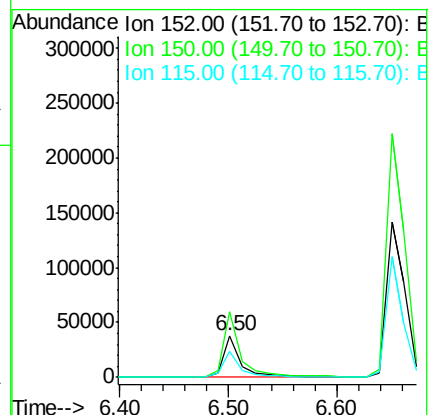
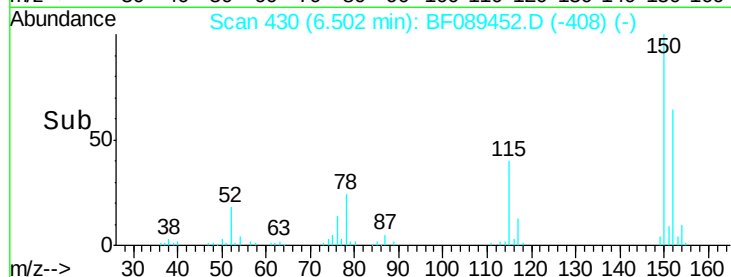
115 61.8 51.4 77.2



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: 146.10 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.02 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

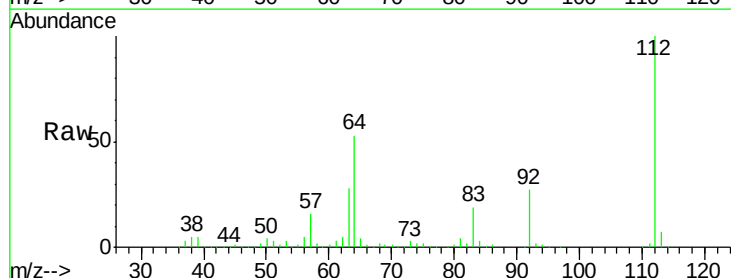
Tgt Ion:112 Resp: 405259

Ion Ratio Lower Upper

112 100

64 52.8 55.0 82.6#

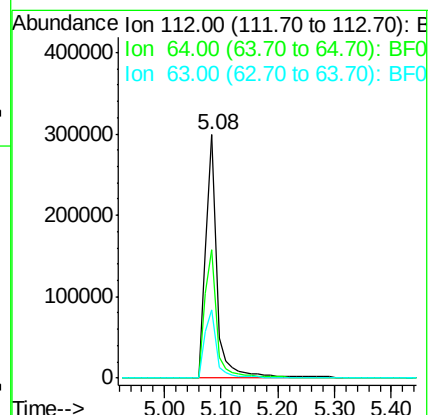
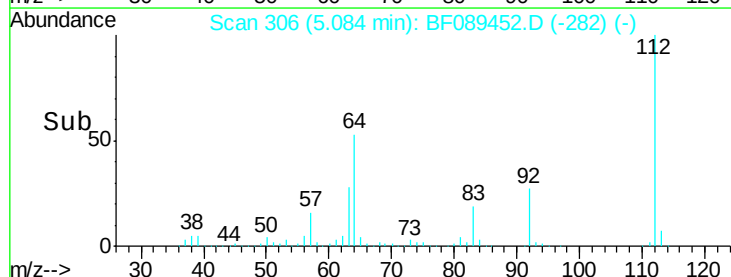
63 28.1 29.4 44.2#

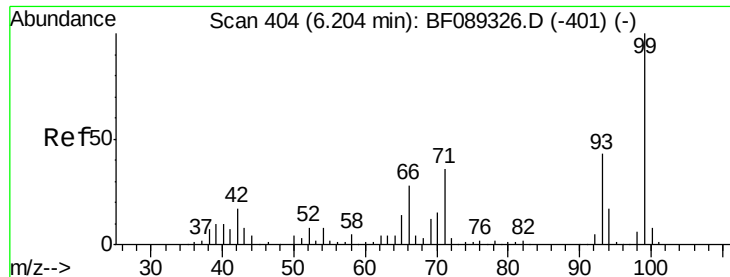


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.30 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Instrument :

BNA_F

ClientSampleId :

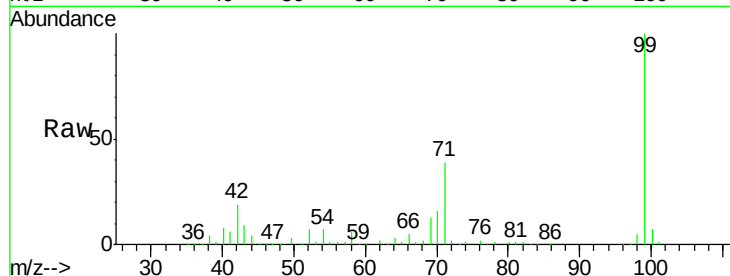
Tot Ion: 99 Resp: 484971

Ion Ratio Lower Upper

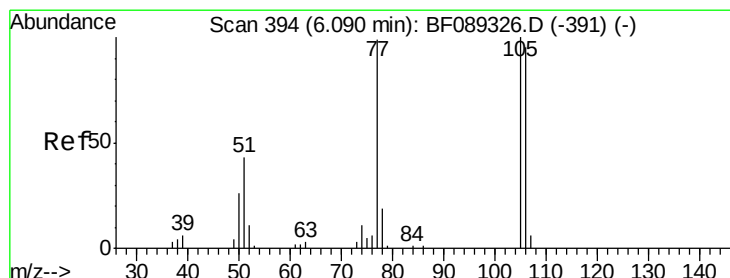
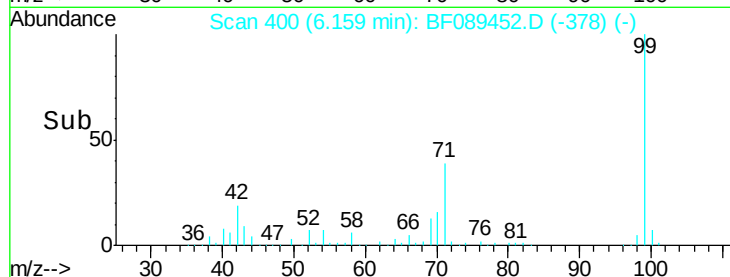
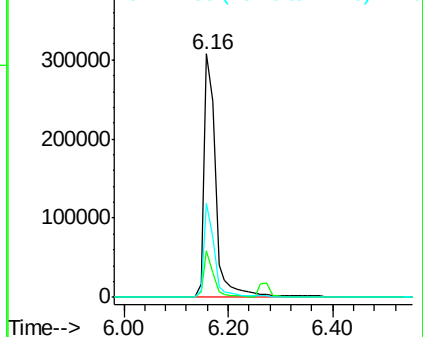
99 100

42 19.1 13.6 20.4

71 38.6 29.4 44.2



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: 5.49 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.18 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

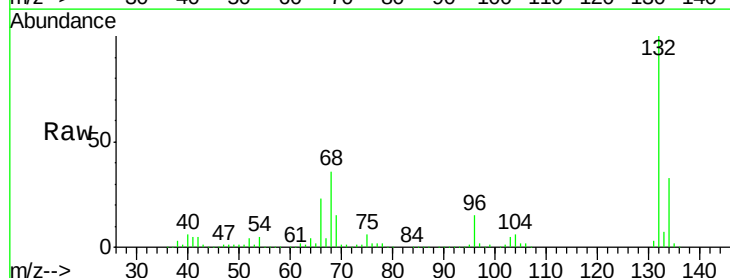
Tgt Ion: 77 Resp: 9832

Ion Ratio Lower Upper

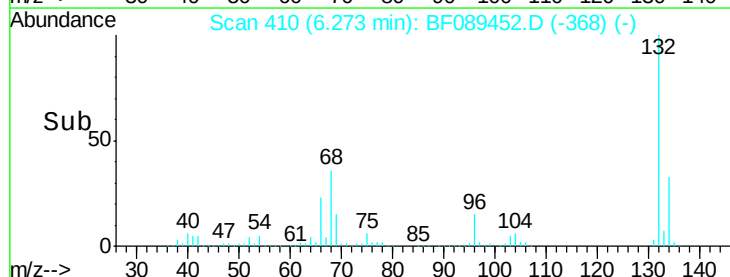
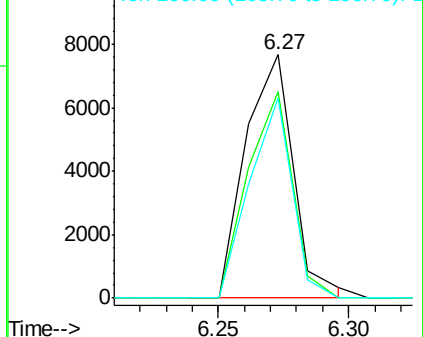
77 100

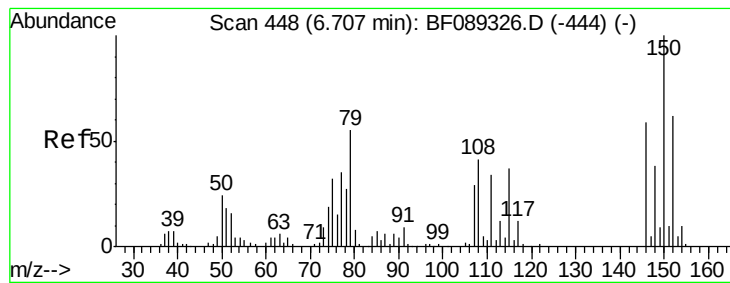
105 84.9 82.9 122.9

106 82.4 75.9 115.9



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





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.06 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Instrument :

BNA_F

ClientSampleId :

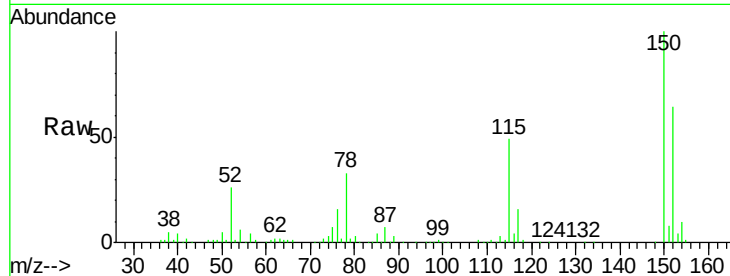
Tot Ion: 79 Resp: 4861

Ion Ratio Lower Upper

79 100

108 26.6 59.8 89.6#

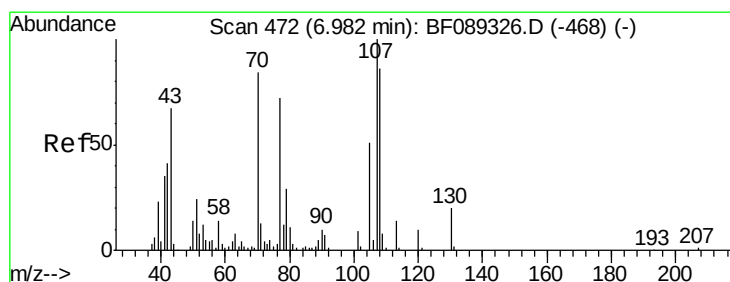
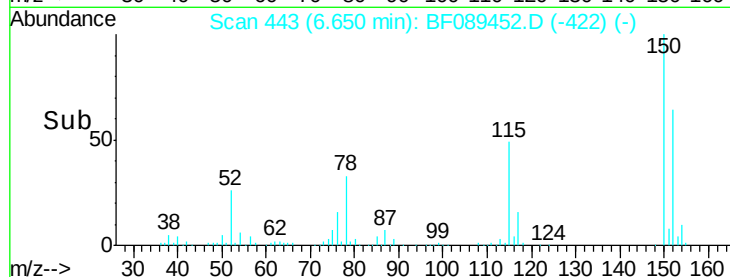
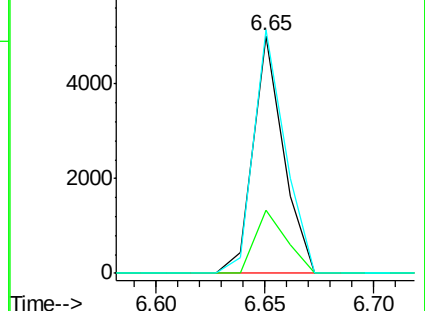
77 102.5 51.7 77.5#



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: 19.30 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.09 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Tgt Ion: 70 Resp: 42658

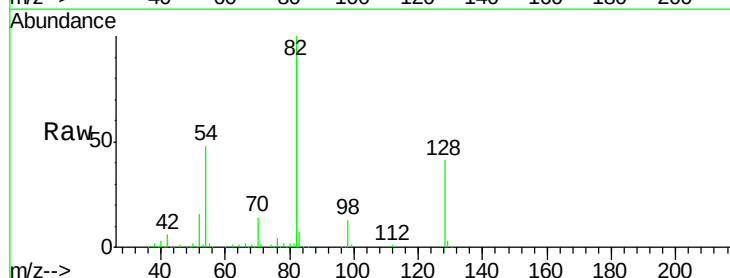
Ion Ratio Lower Upper

70 100

42 44.9 38.6 57.8

101 0.0 8.3 12.5#

130 1.9 19.0 28.4#

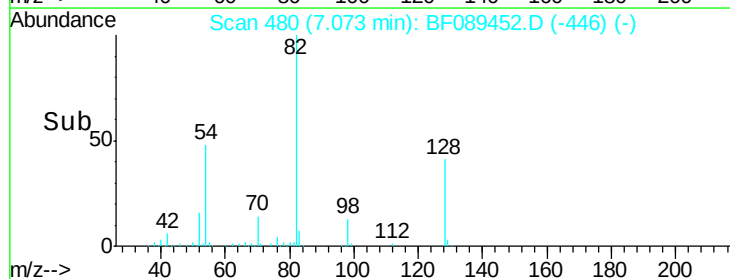
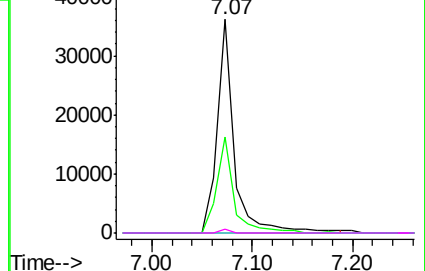


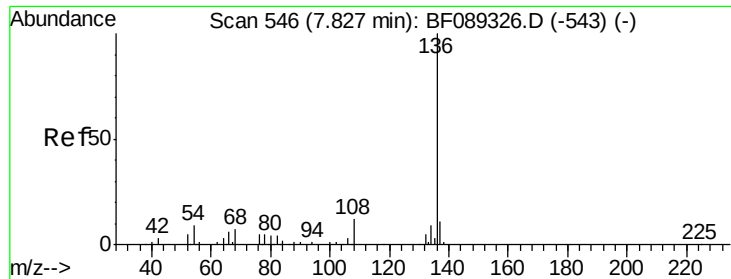
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

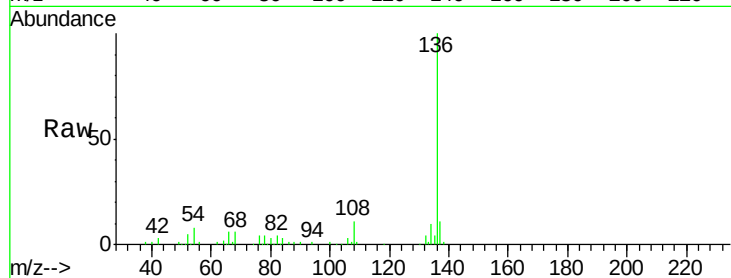




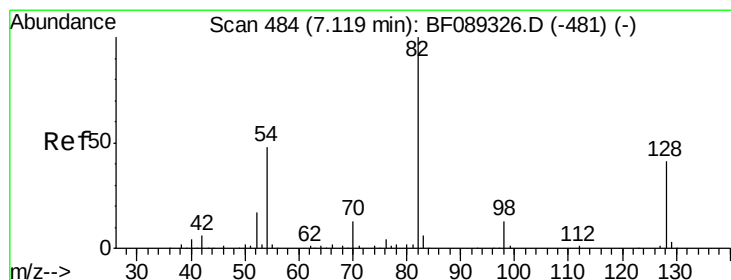
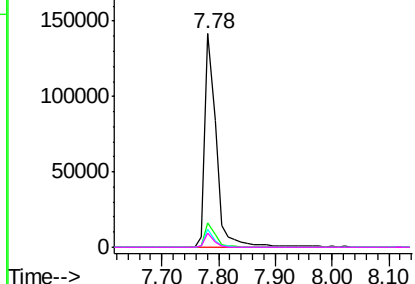
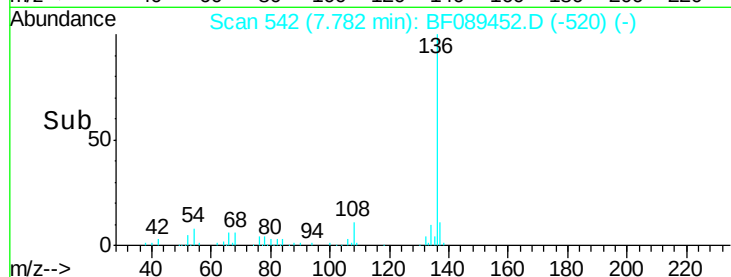
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.05 min
Lab File: BF089452.D
Acq: 30 Jul 2016 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	190404
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 13.0
54	8.2	7.0 10.4
68	6.4	4.9 7.3

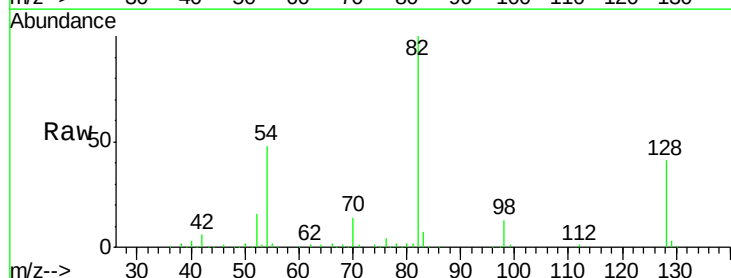


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

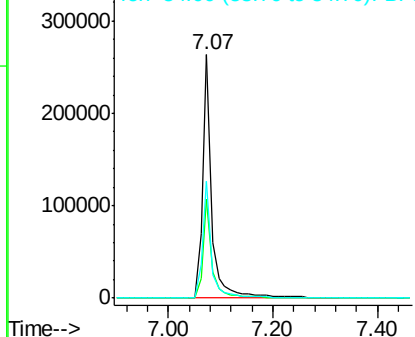
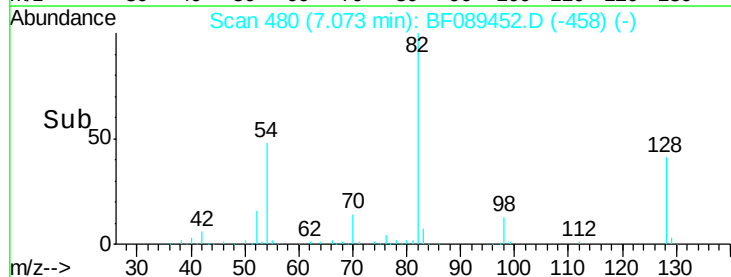


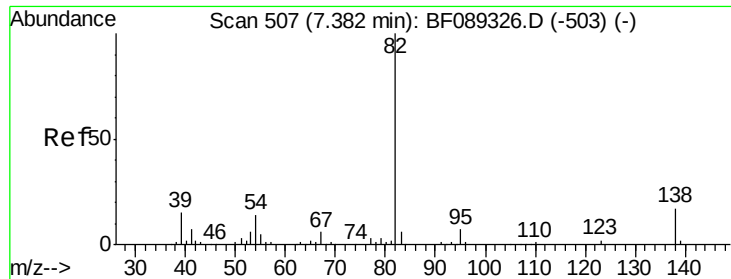
#23
Nitrobenzene-d5
Concen: 101.58 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF089452.D
Acq: 30 Jul 2016 14:43

Tgt Ion: 82	Resp:	327682
Ion Ratio	Lower	Upper
82	100	
128	40.7	32.5 48.7
54	47.9	38.8 58.2



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: 42.57 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.31 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Instrument :

BNA_F

ClientSampleId :

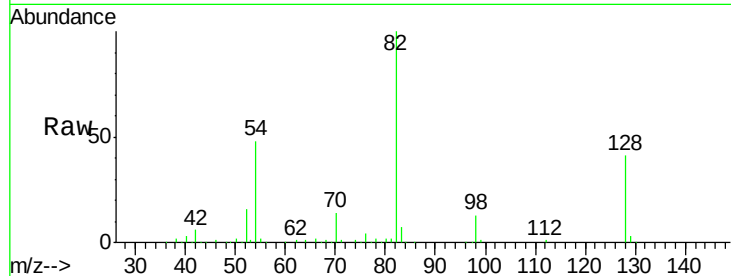
Tot Ion: 82 Resp: 276595

Ion Ratio Lower Upper

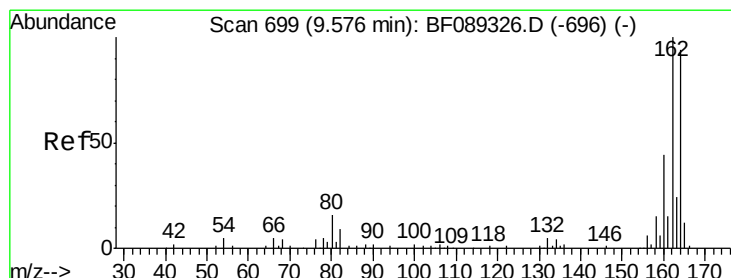
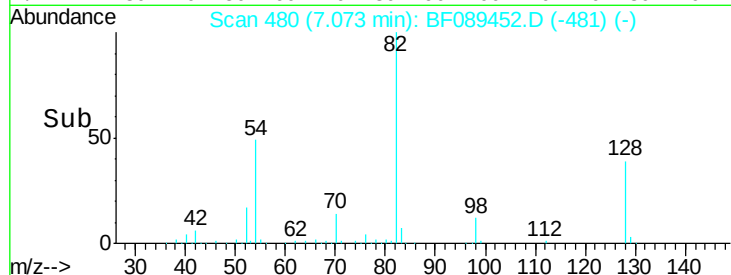
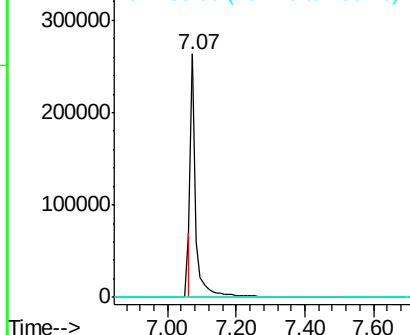
82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



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: 9.53 min Scan# 695

Delta R.T. -0.05 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

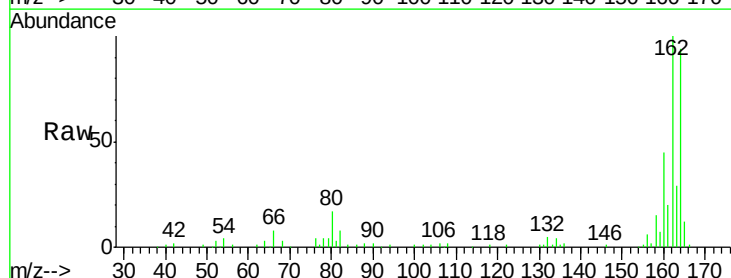
Tgt Ion: 164 Resp: 91719

Ion Ratio Lower Upper

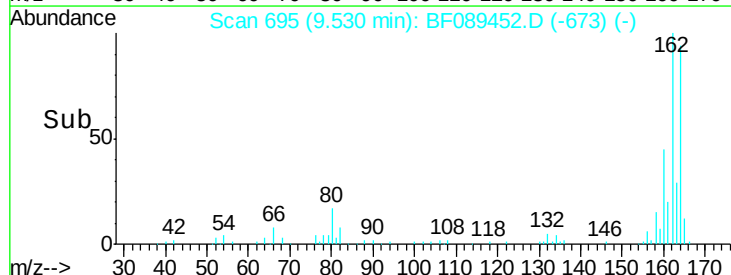
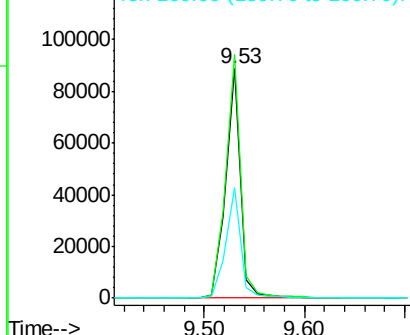
164 100

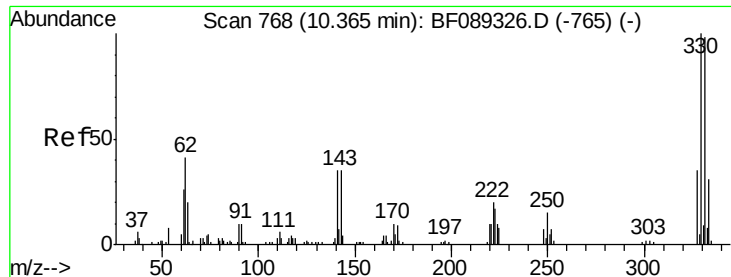
162 106.3 83.7 125.5

160 48.3 37.8 56.6



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

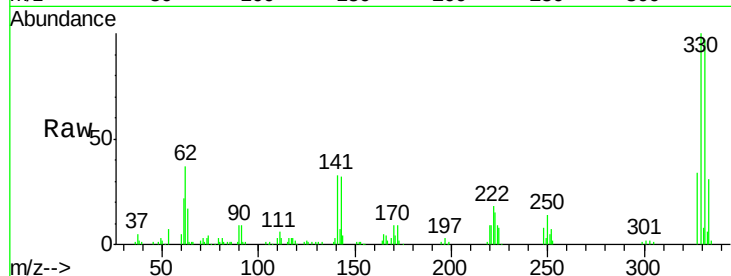




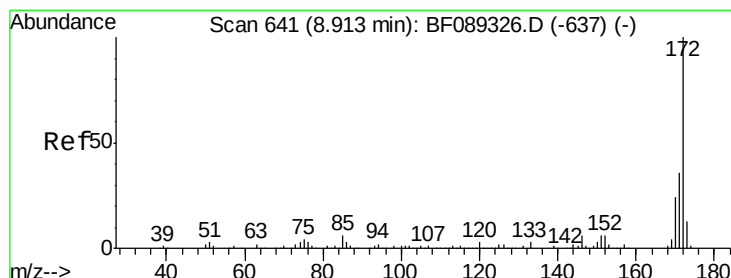
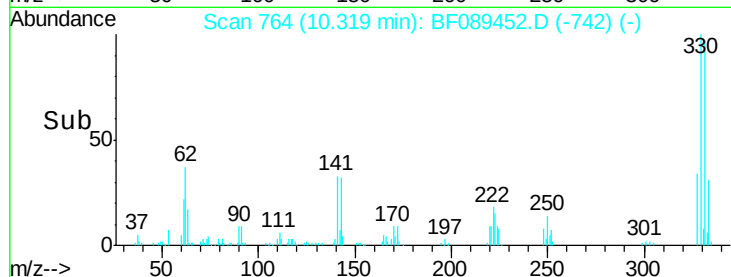
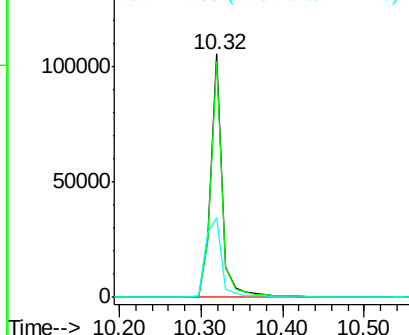
#41
 2,4,6-Tribromophenol
 Concen: 139.90 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.8	115.2
141	45.9	37.3	55.9

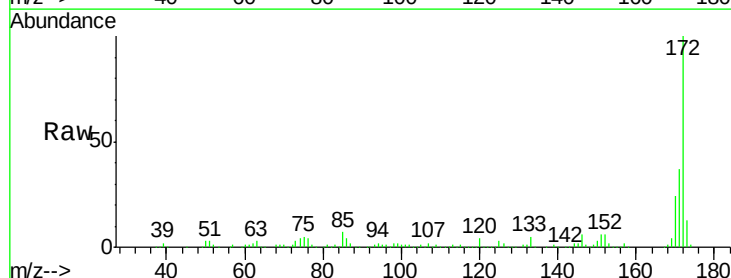


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

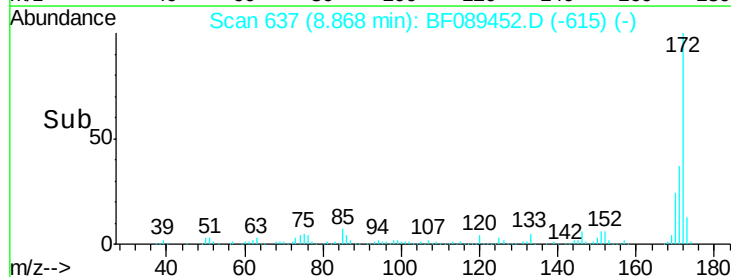
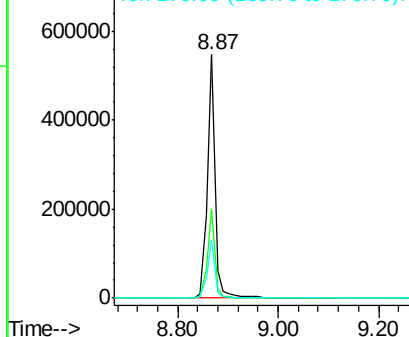


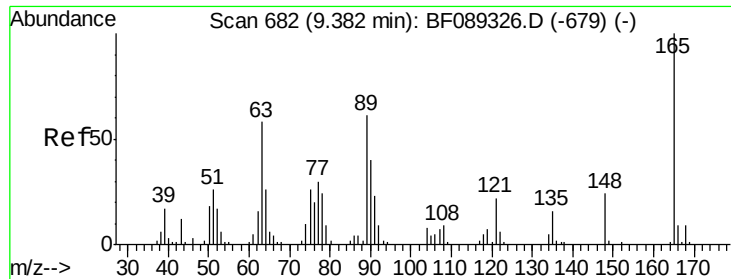
#44
 2-Fluorobiphenyl
 Concen: 94.75 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.05 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.2	43.8
170	23.9	19.2	28.8



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

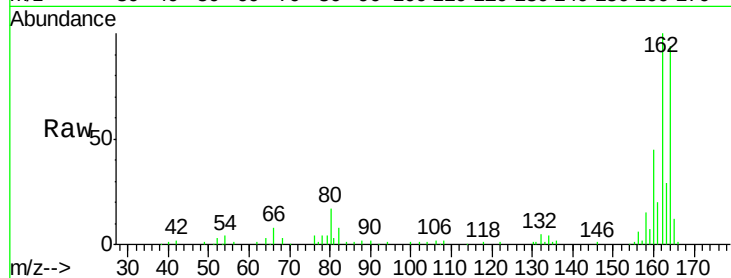




#50
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 9.53 min Scan# 695
Delta R.T. 0.15 min
Lab File: BF089452.D
Acq: 30 Jul 2016 14:43

Instrument :
BNA_F
ClientSampleId :

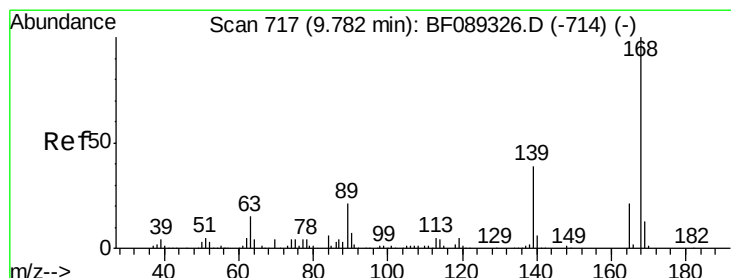
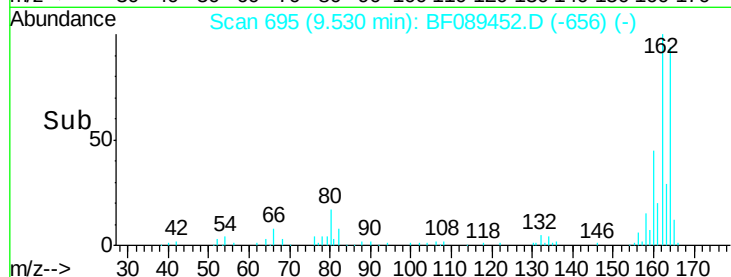
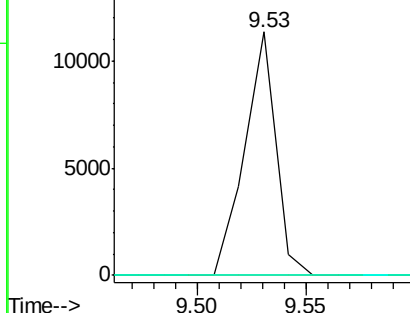
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#



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



#56
2,4-Dinitrotoluene
Concen: 5.99 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.25 min
Lab File: BF089452.D
Acq: 30 Jul 2016 14:43

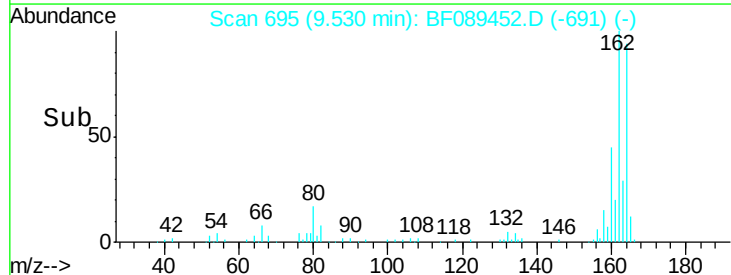
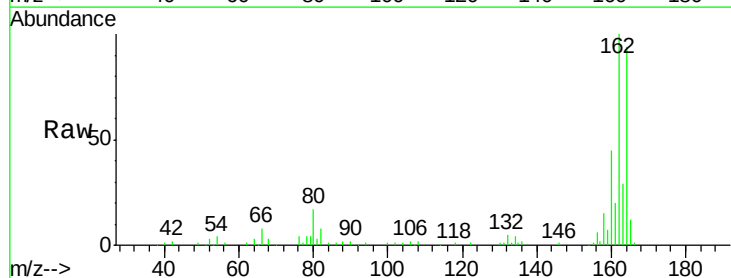
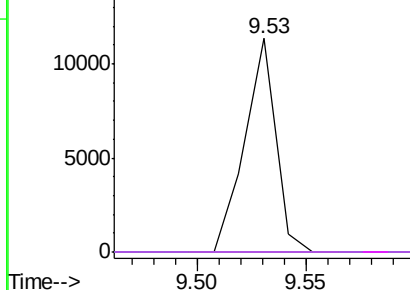
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#

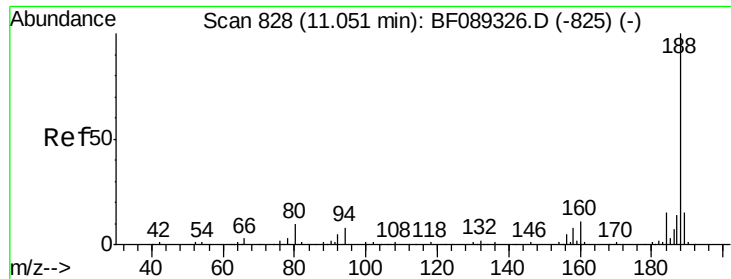
Abundance Ion 165.00 (164.70 to 165.70): E

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

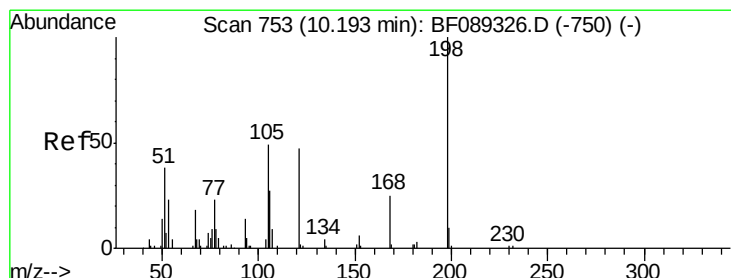
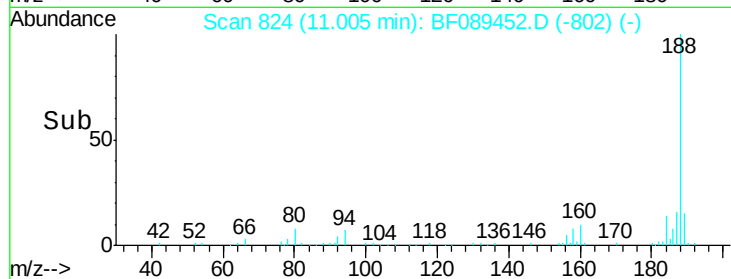
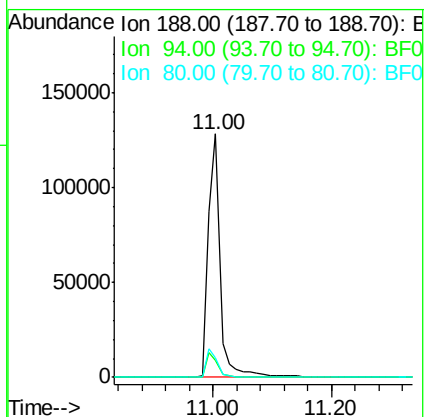
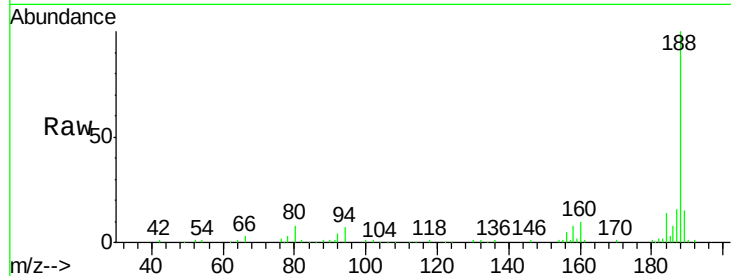




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 824
 Delta R.T. -0.05 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

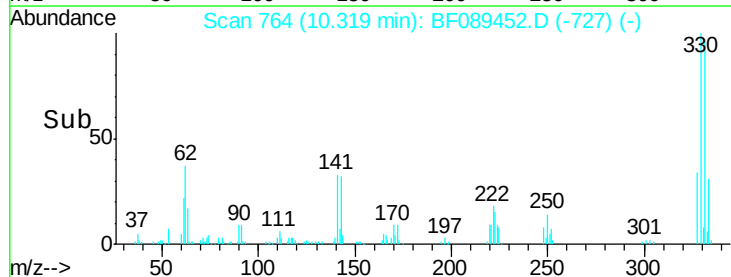
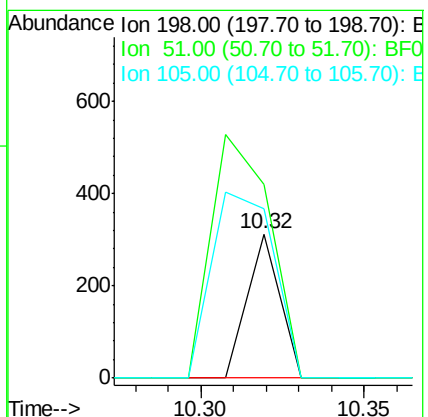
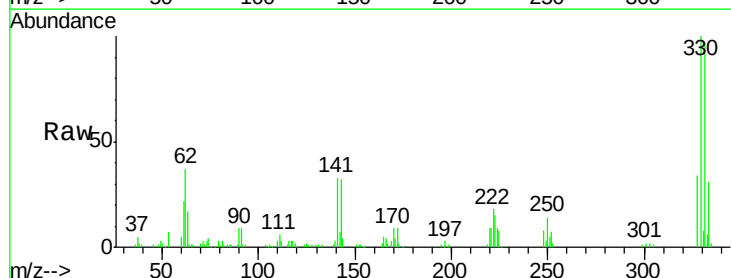
Instrument :
 BNA_F
 ClientSampleId :

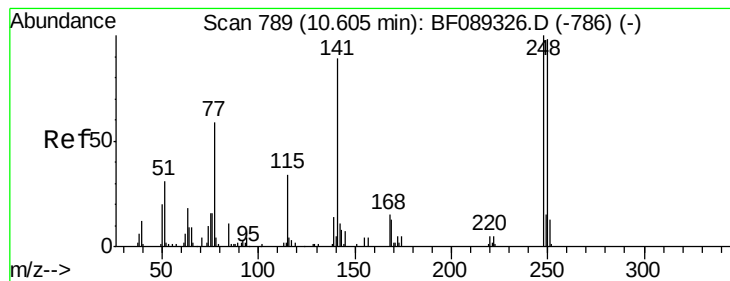
Tot Ion:188 Resp: 178627
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.5 9.7
 80 7.9 7.2 10.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.52 ng
 RT: 10.32 min Scan# 764
 Delta R.T. 0.13 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

Tgt Ion:198 Resp: 214
 Ion Ratio Lower Upper
 198 100
 51 134.3 23.0 63.0#
 105 117.9 28.3 68.3#





#66

4-Bromophenyl-phenylether

Concen: 4.76 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.29 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

Instrument :

BNA_F

ClientSampled :

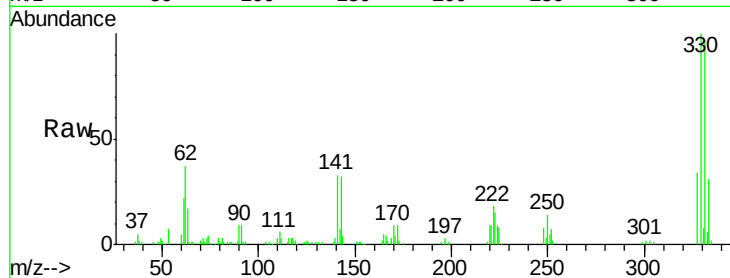
Tot Ion:248 Resp: 8115

Ion Ratio Lower Upper

248 100

250 179.3 78.2 117.2#

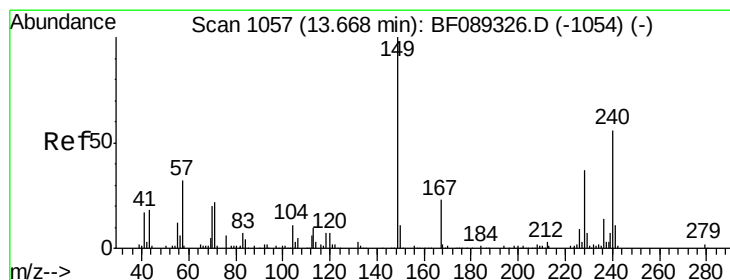
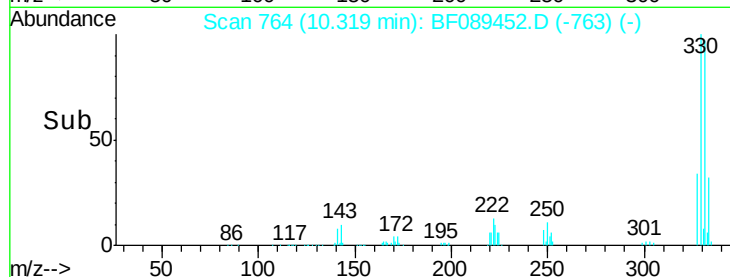
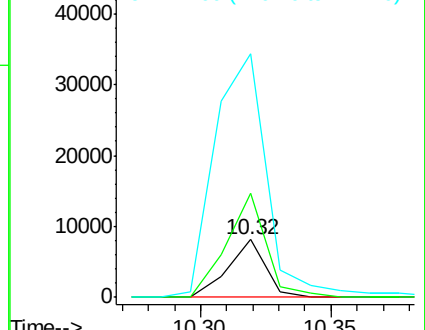
141 420.6 62.0 93.0#



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: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF089452.D

Acq: 30 Jul 2016 14:43

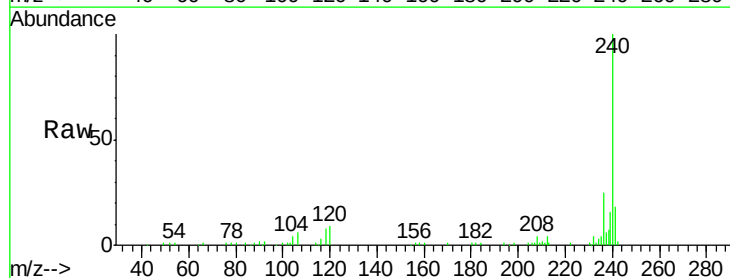
Tgt Ion:240 Resp: 121806

Ion Ratio Lower Upper

240 100

120 8.7 9.1 13.7#

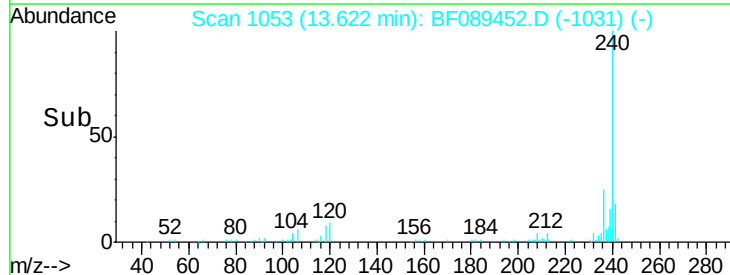
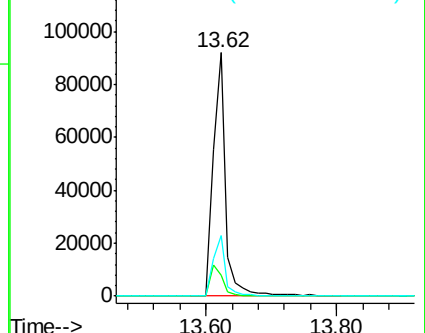
236 25.0 20.6 30.8

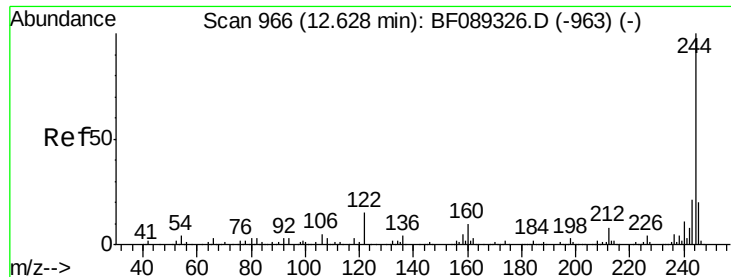


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

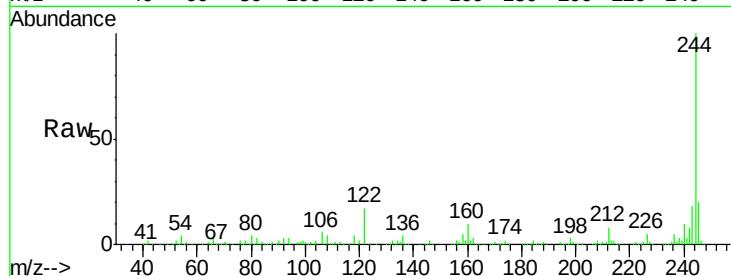




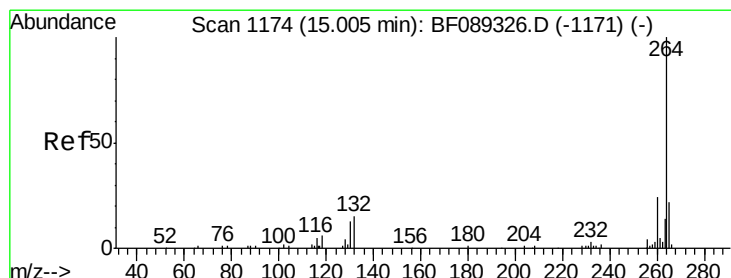
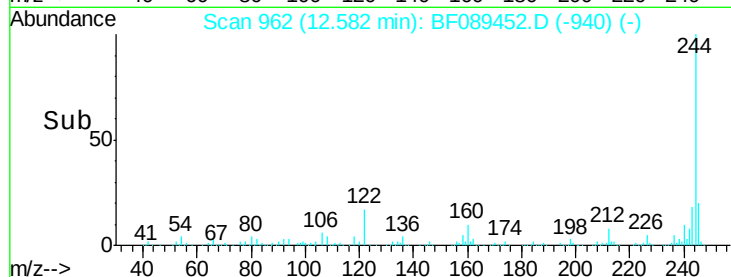
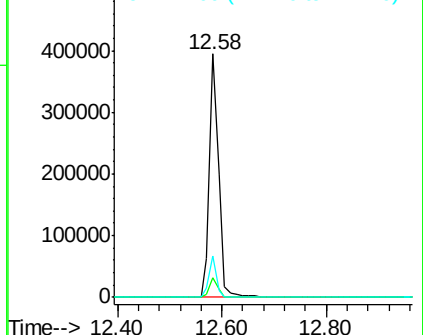
#78
 Terphenyl-d14
 Concen: 93.24 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.05 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 485266
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 17.0 11.4 17.0

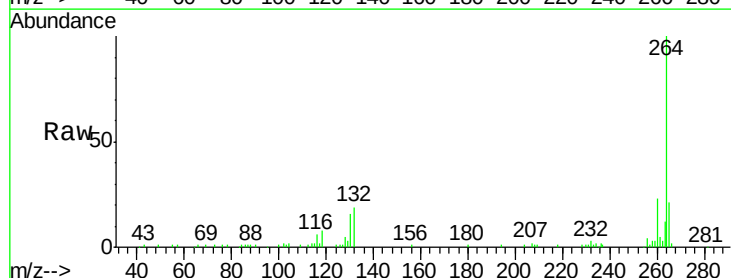


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.95 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF089452.D
 Acq: 30 Jul 2016 14:43

Tgt Ion:264 Resp: 84821
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.4
 265 21.2 17.5 26.3



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

