

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090116\
 Data File : BF089968.D
 Acq On : 1 Sep 2016 13:35
 Operator : UM/SJ
 Sample : H4617-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 14:32:08 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	193064	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	715255	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	345856	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	528463	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	445240	20.00	ng	-0.01
86) Perylene-d12	15.10	264	434909	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	750534	62.22	ng	0.00
7) Phenol-d6	6.27	99	648906	44.28	ng	0.00
23) Nitrobenzene-d5	7.21	82	1260929	102.24	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	403510	118.26	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2152393	102.16	ng	0.00
78) Terphenyl-d14	12.72	244	1388012	77.01	ng	0.00

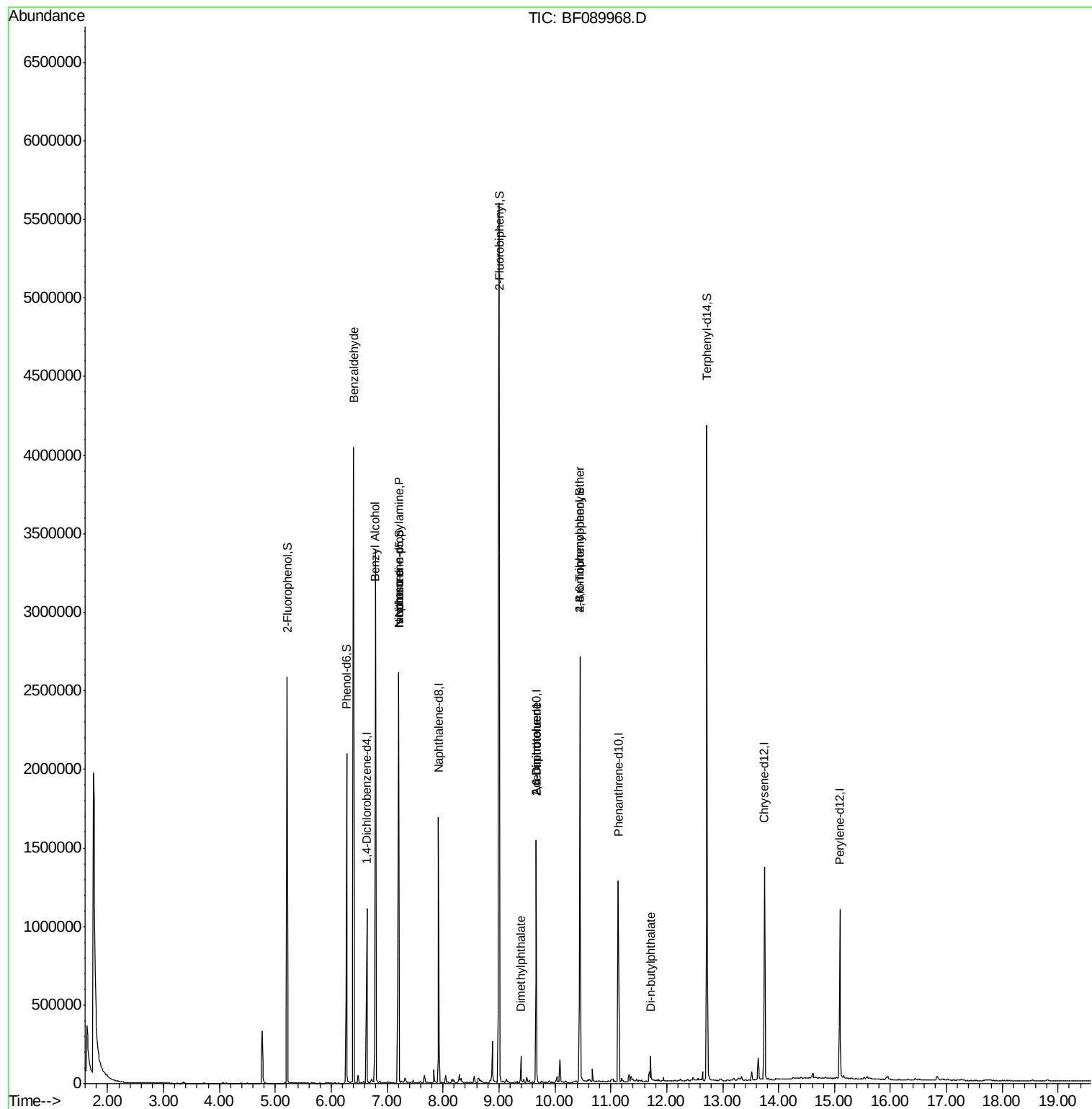
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	24995	2.64	ng	# 70
15) Benzyl Alcohol	6.79	79	19240	2.10	ng	# 50
19) n-Nitroso-di-n-propylamine	7.21	70	167904	17.58	ng	# 76
25) Isophorone	7.21	82	1126615	44.92	ng	# 65
49) Dimethylphthalate	9.39	163	61250	2.45	ng	97
50) 2,6-Dinitrotoluene	9.67	165	44066	7.93	ng	# 27
56) 2,4-Dinitrotoluene	9.67	165	44066	6.25	ng	# 30
66) 4-Bromophenyl-phenylether	10.44	248	23838	4.48	ng	# 1
73) Di-n-butylphthalate	11.71	149	69177	2.37	ng	98

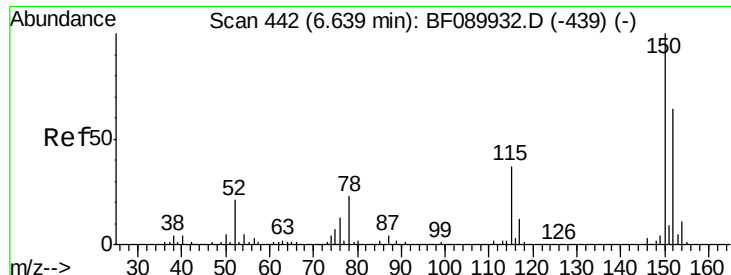
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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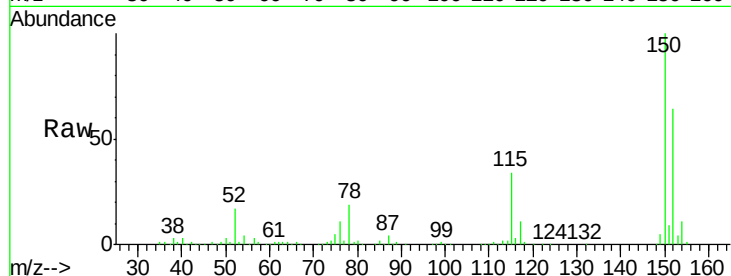


#1

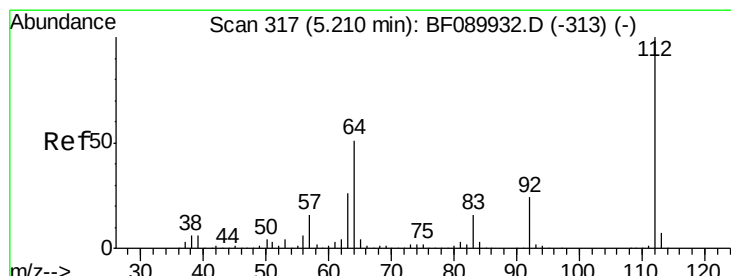
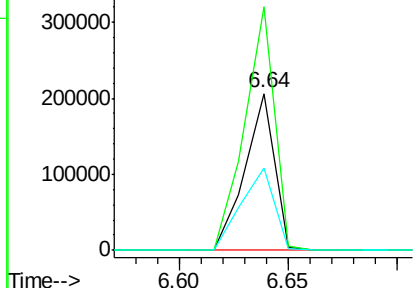
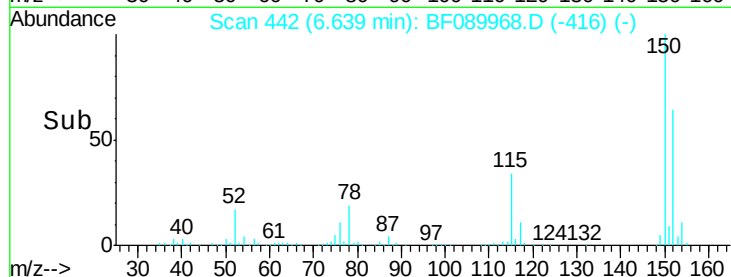
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 193064
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 52.7 46.3 69.5



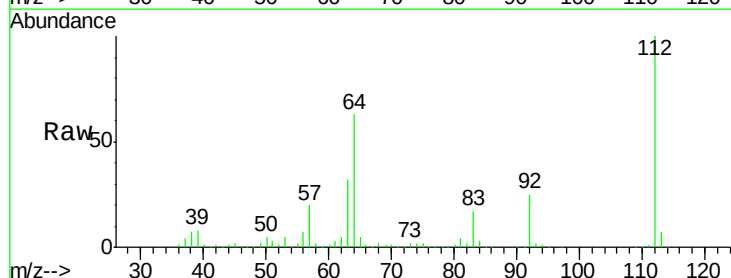
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



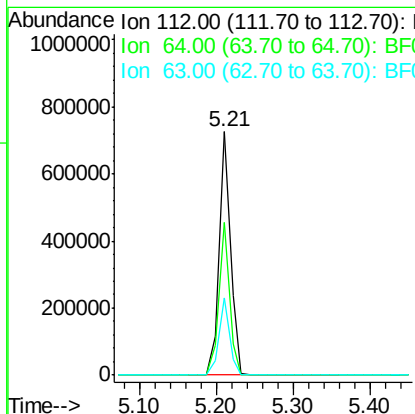
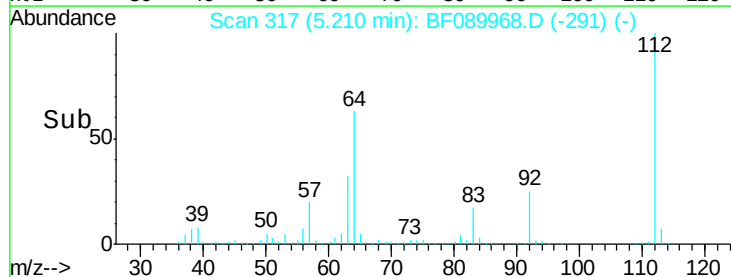
#5

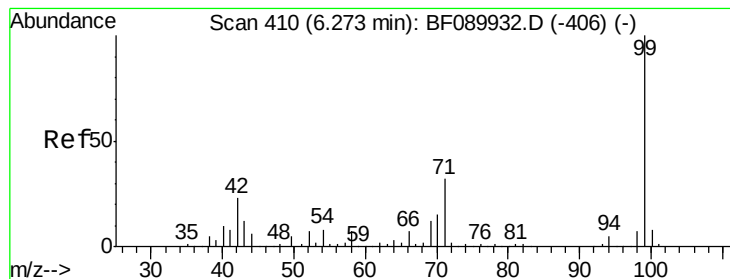
2-Fluorophenol
Concen: 62.22 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.00 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Tgt Ion:112 Resp: 750534
Ion Ratio Lower Upper
112 100
64 62.5 41.1 61.7#
63 31.9 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: 44.28 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Instrument :

BNA_F

ClientSampled :

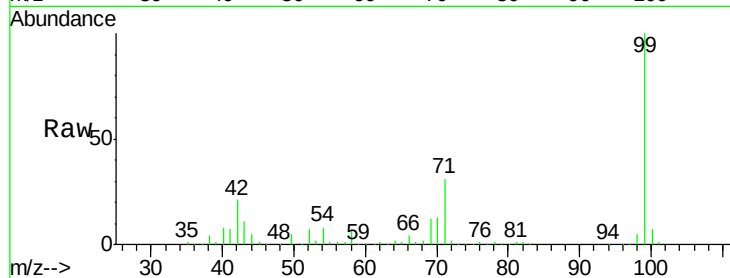
Tot Ion: 99 Resp: 648906

Ion Ratio Lower Upper

99 100

42 20.8 18.6 27.8

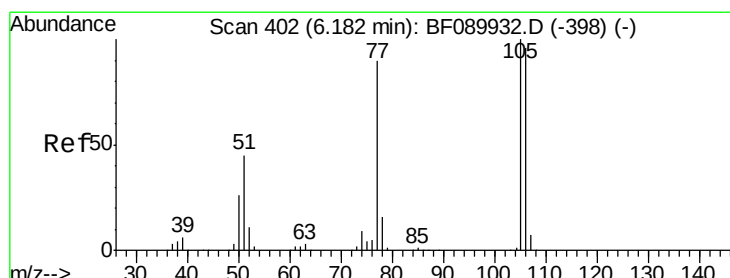
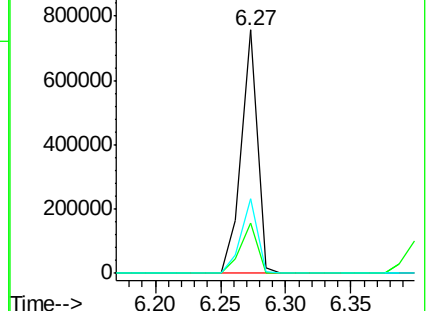
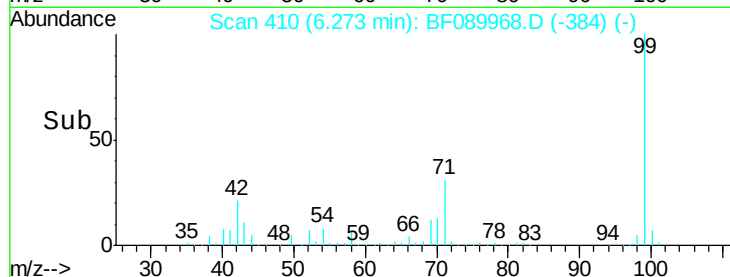
71 30.7 25.8 38.6



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



#9

Benzaldehyde

Concen: 2.64 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.22 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

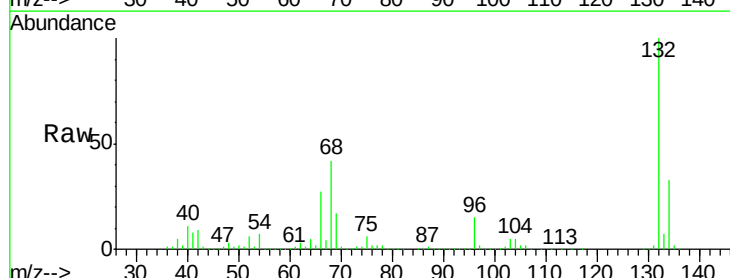
Tgt Ion: 77 Resp: 24995

Ion Ratio Lower Upper

77 100

105 75.1 85.4 125.4#

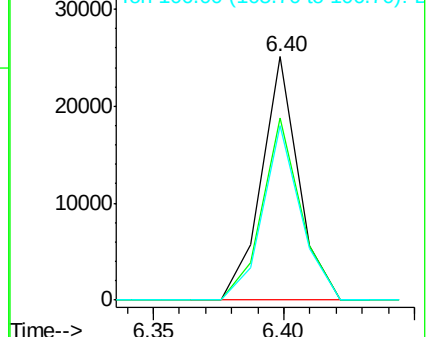
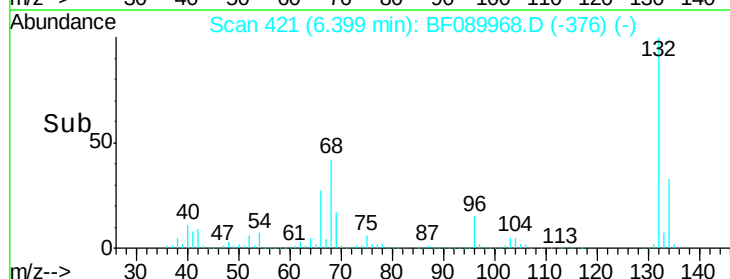
106 71.6 83.4 123.4#

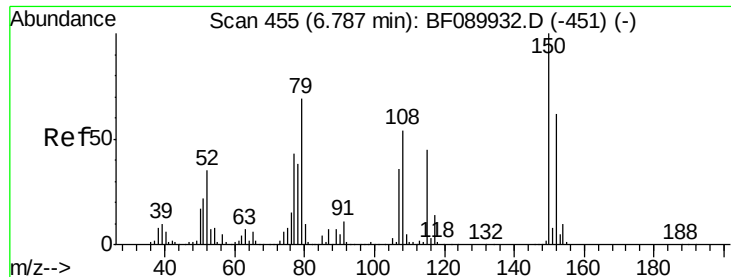


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Instrument :

BNA_F

ClientSampled :

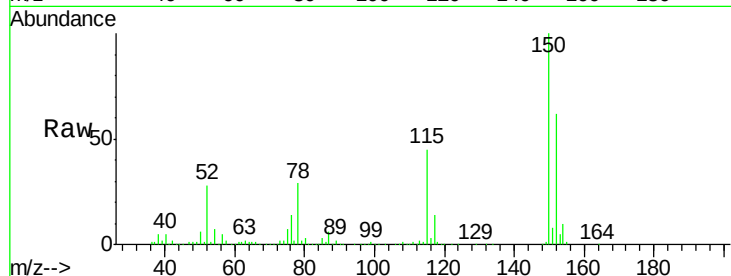
Tot Ion: 79 Resp: 19240

Ion Ratio Lower Upper

79 100

108 27.9 62.1 93.1#

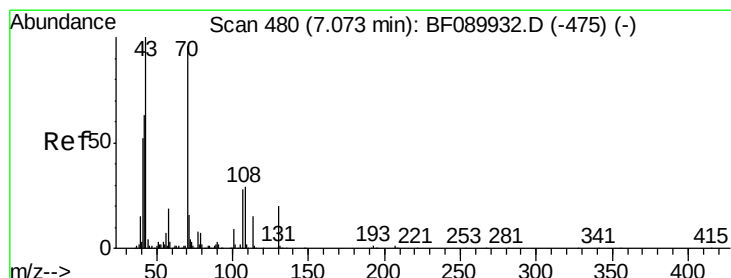
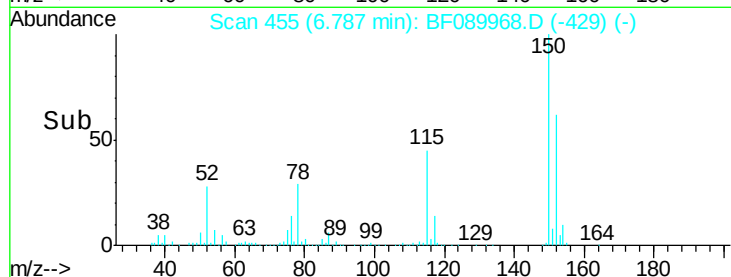
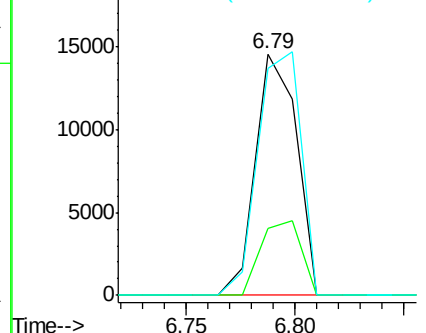
77 93.9 50.1 75.1#



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: 17.58 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.14 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Tgt Ion: 70 Resp: 167904

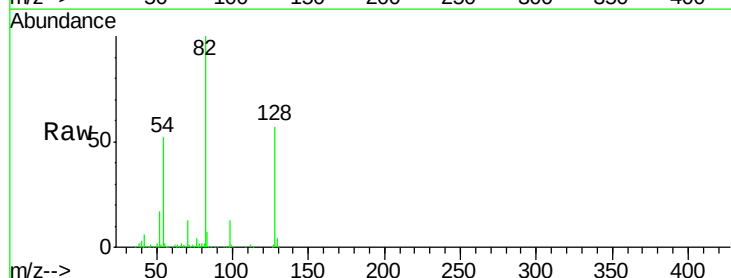
Ion Ratio Lower Upper

70 100

42 50.0 52.1 78.1#

101 0.0 7.4 11.2#

130 2.9 17.0 25.4#

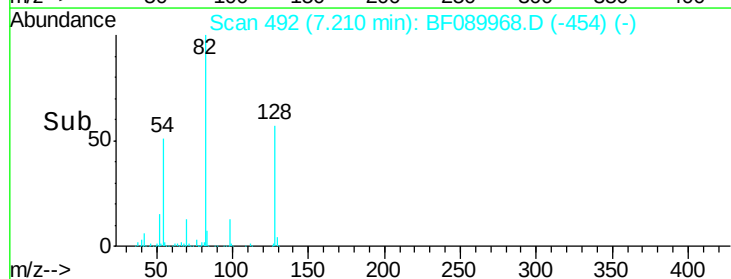
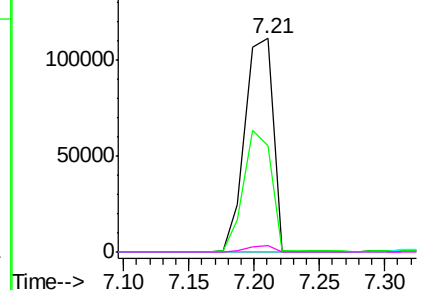


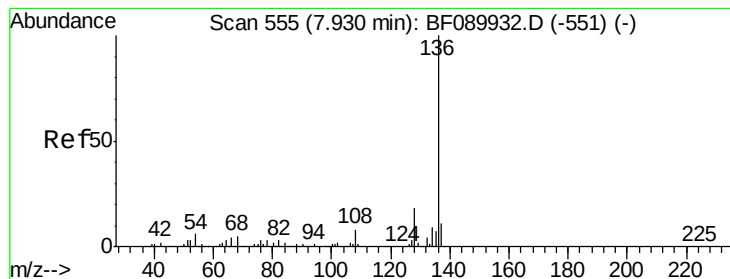
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF089968.D

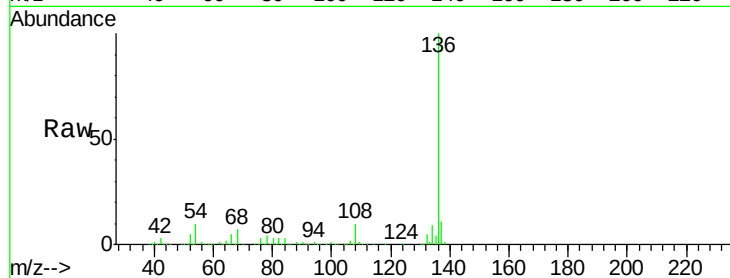
Acq: 1 Sep 2016 13:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	715255
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.3 12.5
54	10.0	4.8 7.2#
68	6.9	3.7 5.5#



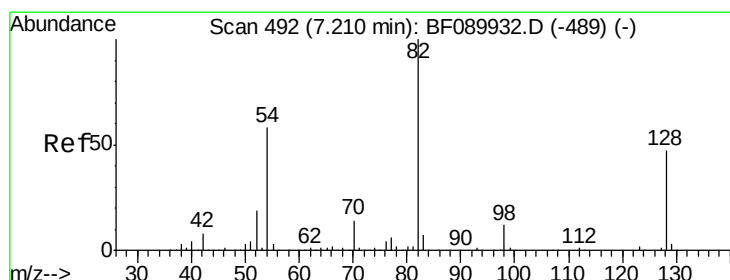
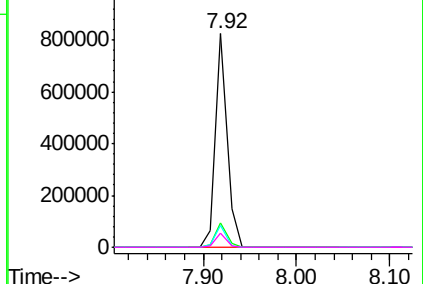
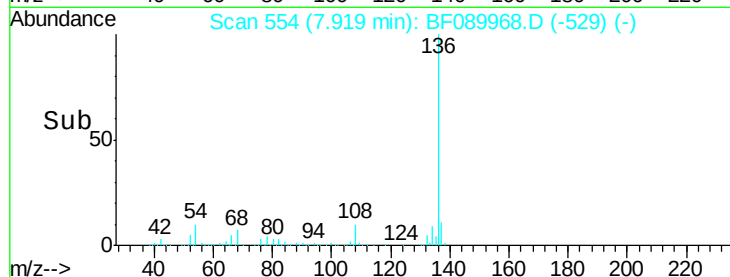
Abundance

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: 102.24 ng

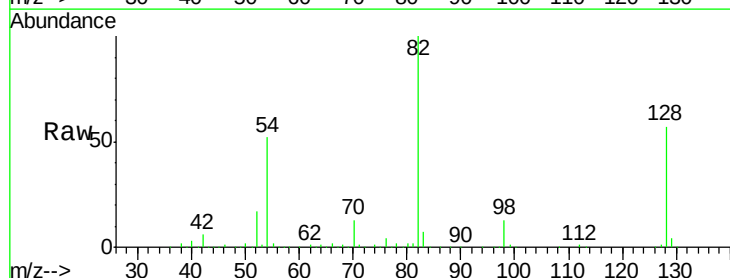
RT: 7.21 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Tgt Ion: 82	Resp:	1260929
Ion	Ratio	Lower Upper
82	100	
128	56.5	37.8 56.8
54	51.6	46.9 70.3

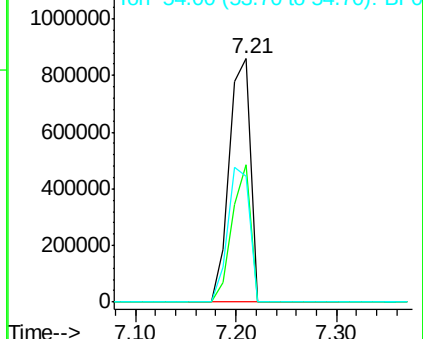
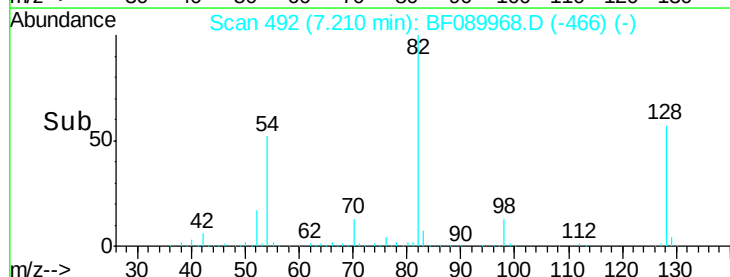


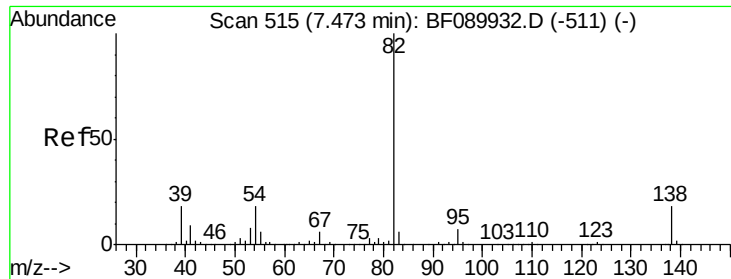
Abundance

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: 44.92 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Instrument :

BNA_F

ClientSampled :

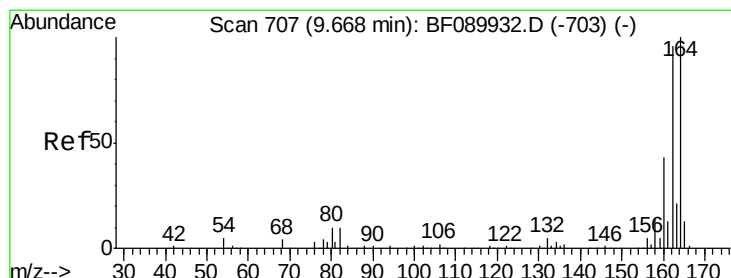
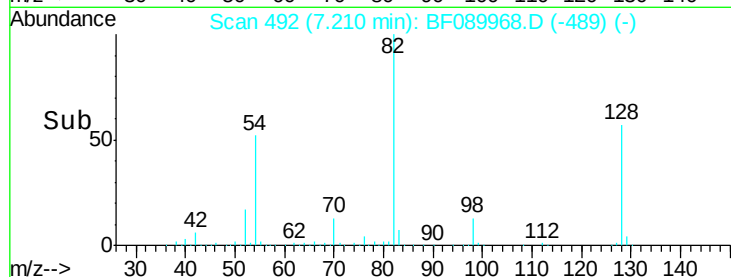
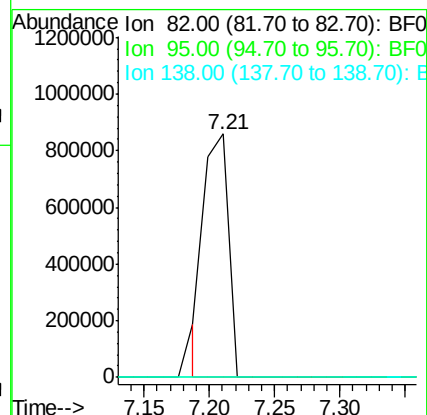
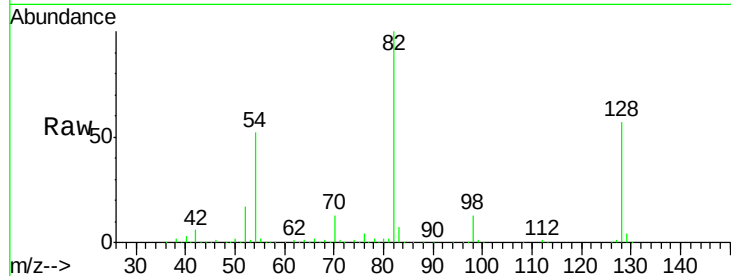
Tot Ion: 82 Resp: 1126615

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: BF089968.D

Acq: 1 Sep 2016 13:35

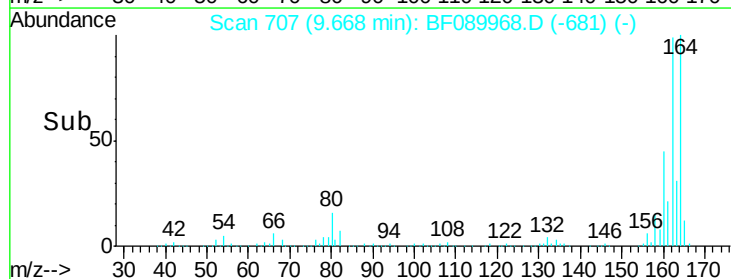
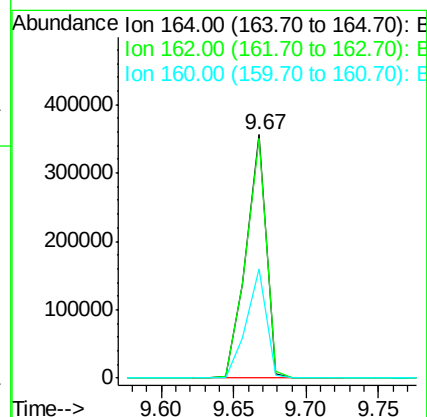
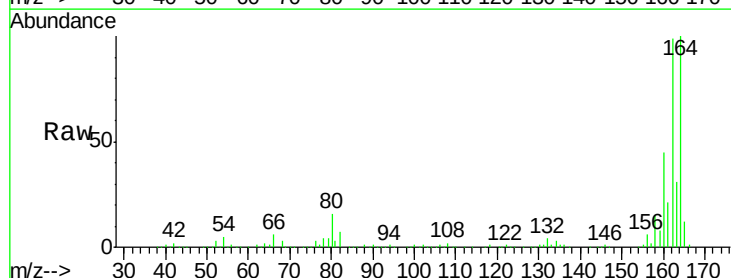
Tgt Ion:164 Resp: 345856

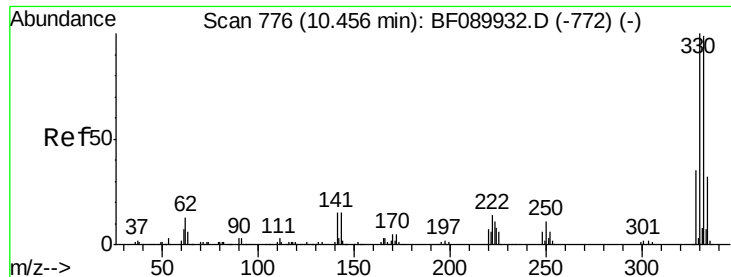
Ion Ratio Lower Upper

164 100

162 98.5 77.1 115.7

160 44.8 35.3 52.9

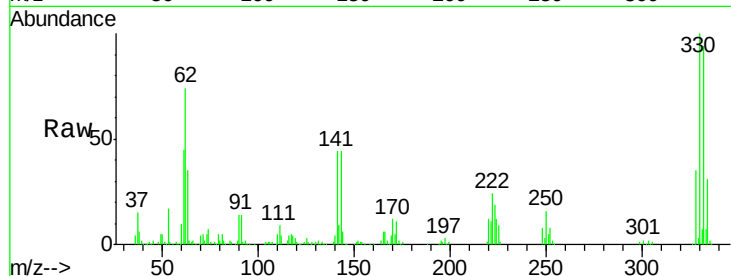




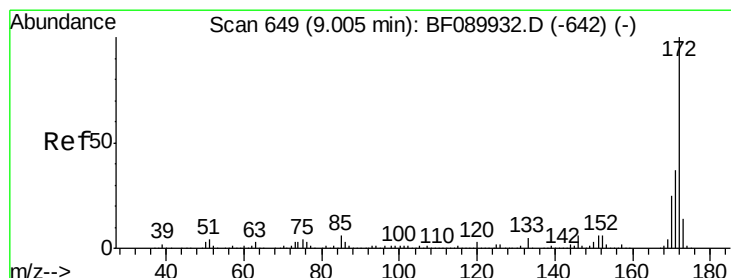
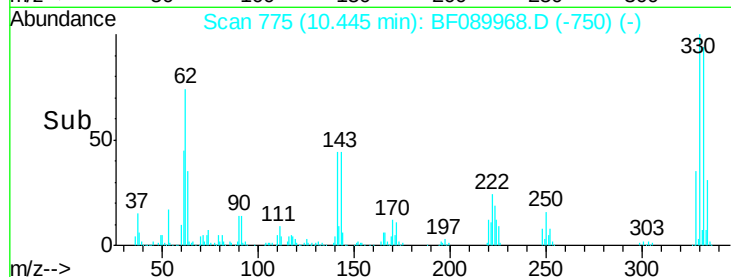
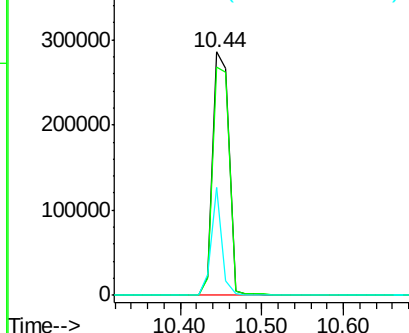
#41
 2,4,6-Tribromophenol
 Concen: 118.26 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089968.D
 Acq: 1 Sep 2016 13:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 403510
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.6 117.8
 141 29.3 23.3 34.9

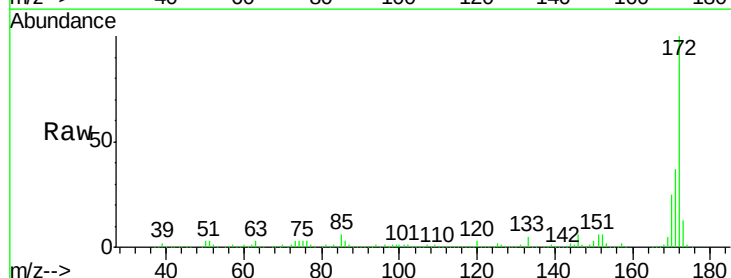


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

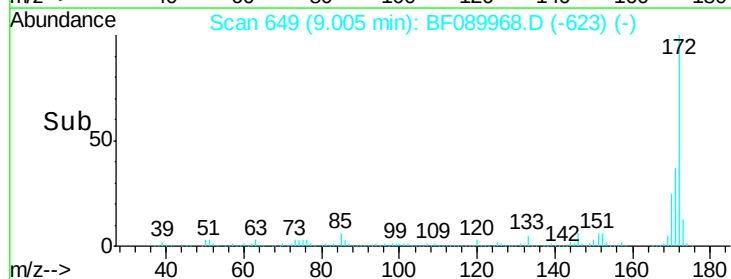
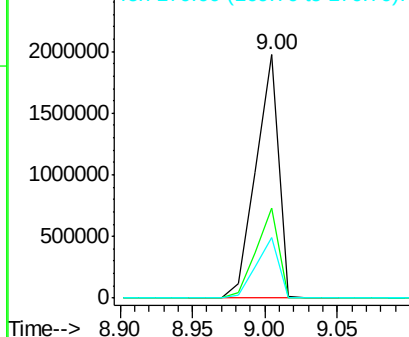


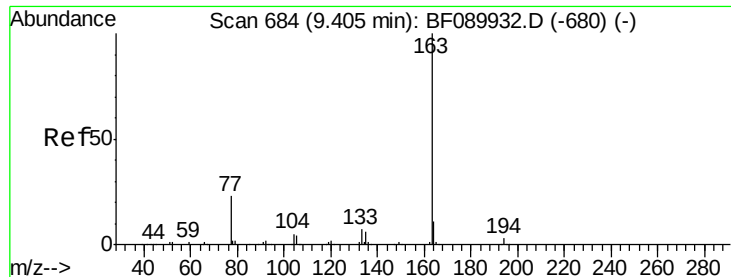
#44
 2-Fluorobiphenyl
 Concen: 102.16 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089968.D
 Acq: 1 Sep 2016 13:35

Tgt Ion:172 Resp: 2152393
 Ion Ratio Lower Upper
 172 100
 171 37.0 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

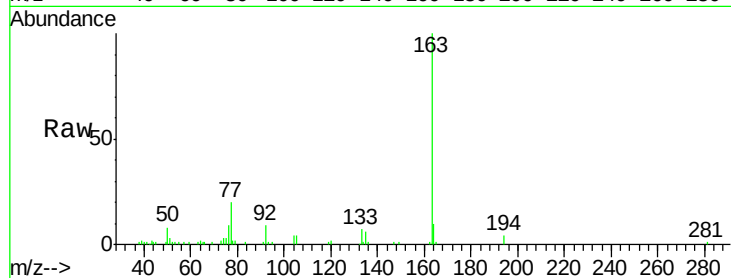




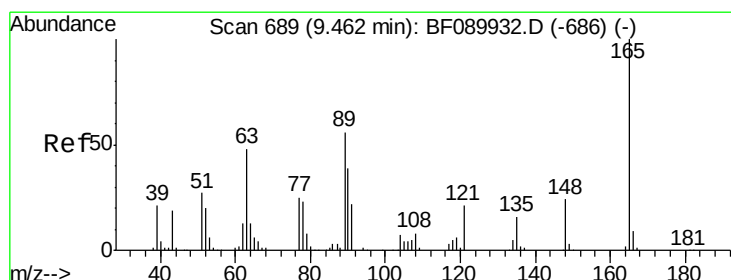
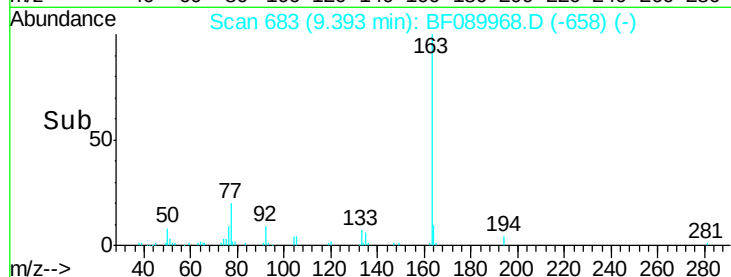
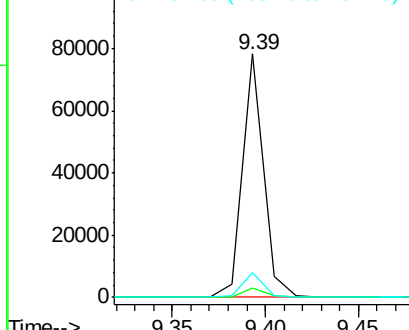
#49
Dimethylphthalate
Concen: 2.45 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 61250
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 9.0 13.4

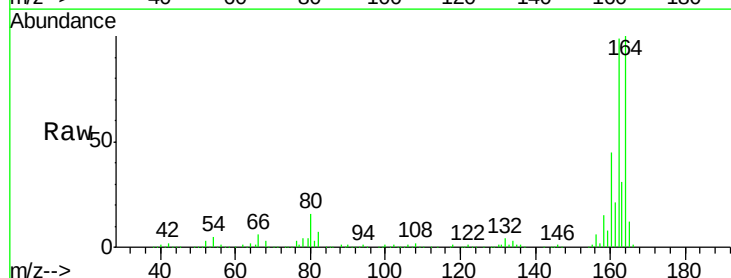


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

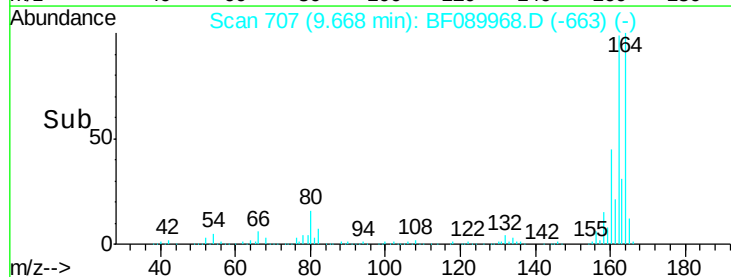
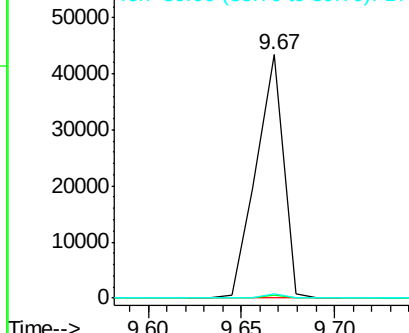


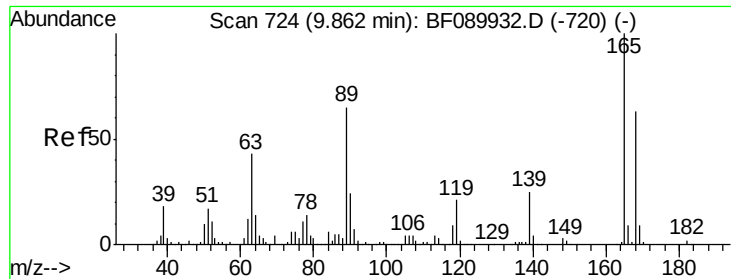
#50
2,6-Dinitrotoluene
Concen: 7.93 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.21 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Tgt Ion:165 Resp: 44066
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.4#
89 1.9 41.5 62.3#



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

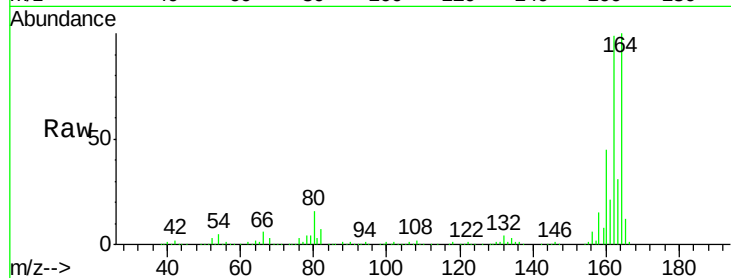




#56
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.5	48.7#
89	1.9	48.3	72.5#
182	0.0	1.7	2.5#

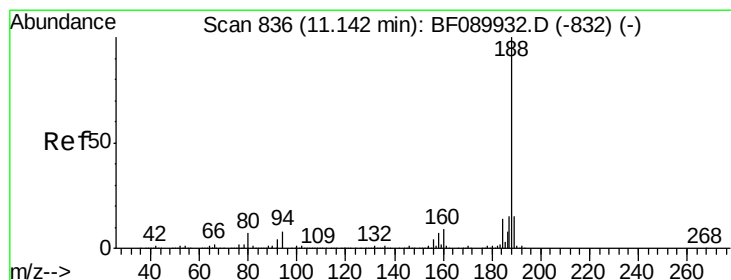
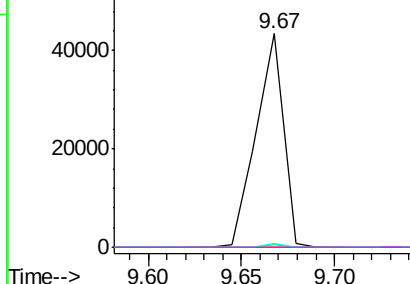
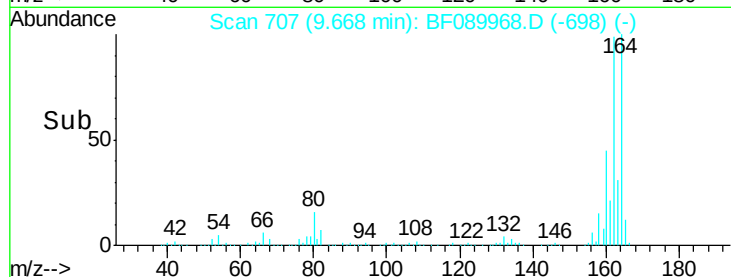


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

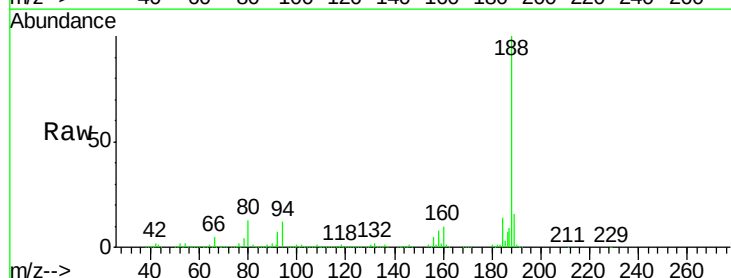
Ion 89.00 (88.70 to 89.70): BF0

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: BF089968.D
Acq: 1 Sep 2016 13:35

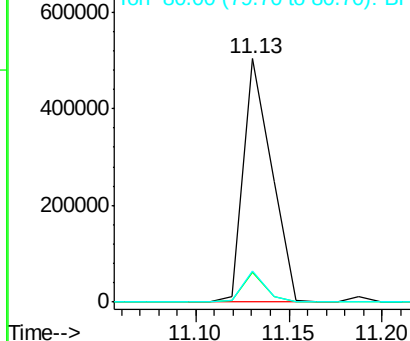
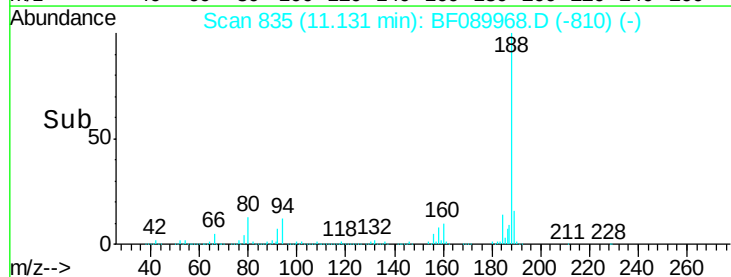
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	5.9	8.9#
80	13.0	5.8	8.8#

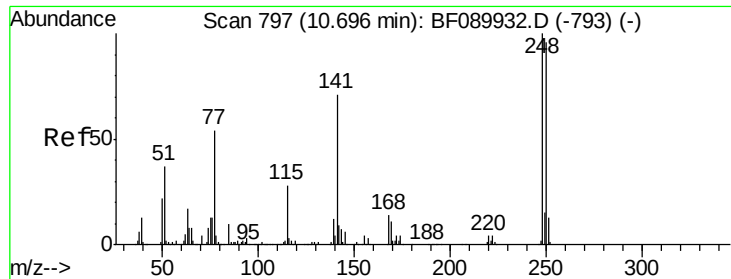


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

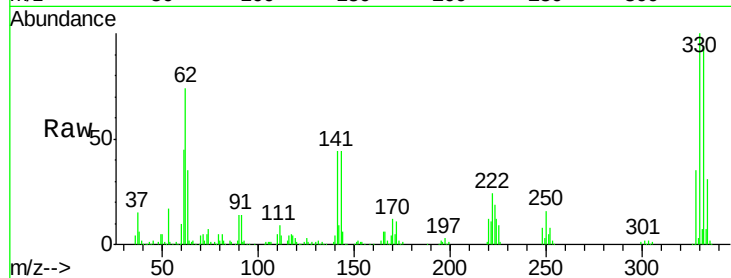




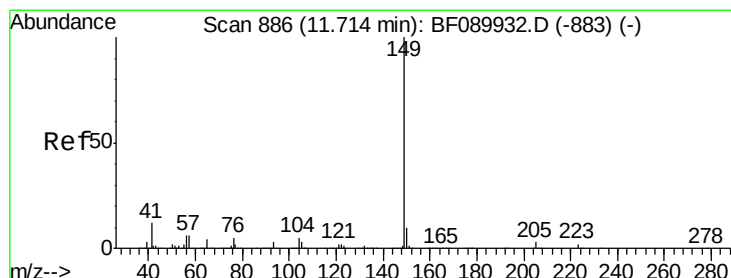
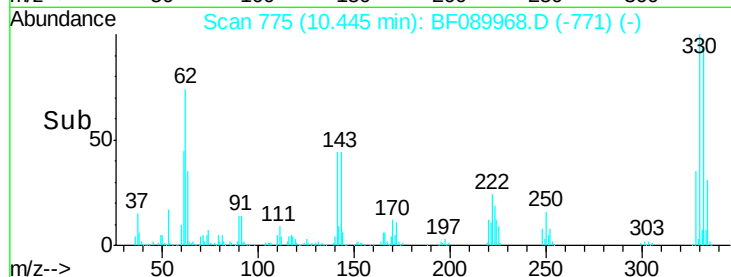
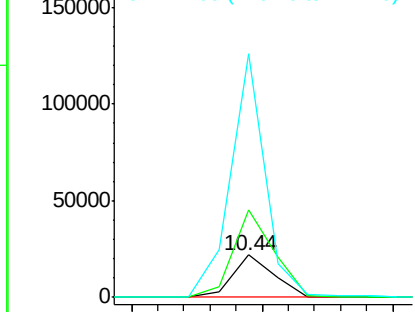
#66
4-Bromophenyl-phenylether
Concen: 4.48 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23838
Ion Ratio Lower Upper
248 100
250 205.6 77.3 115.9#
141 573.2 55.8 83.8#

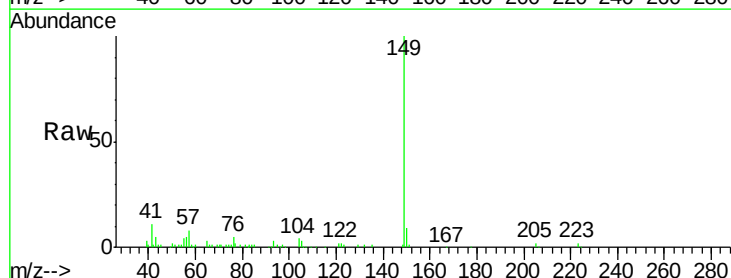


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

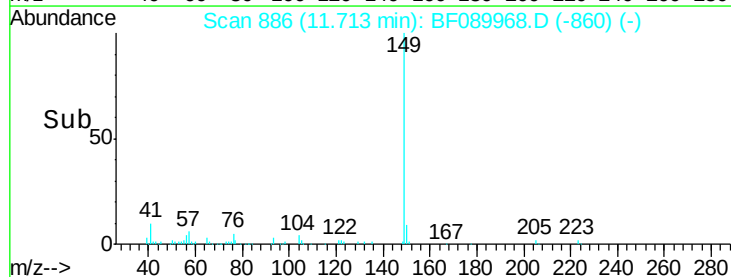
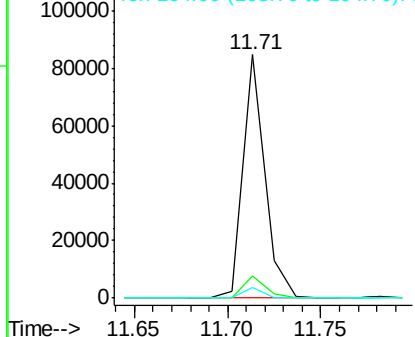


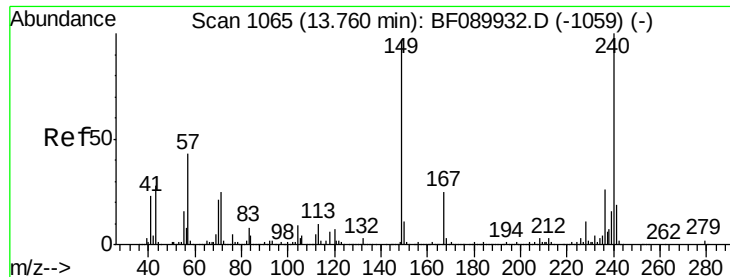
#73
Di-n-butylphthalate
Concen: 2.37 ng
RT: 11.71 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Tgt Ion:149 Resp: 69177
Ion Ratio Lower Upper
149 100
150 9.1 7.8 11.8
104 4.2 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

Instrument :

BNA_F

ClientSampleId :

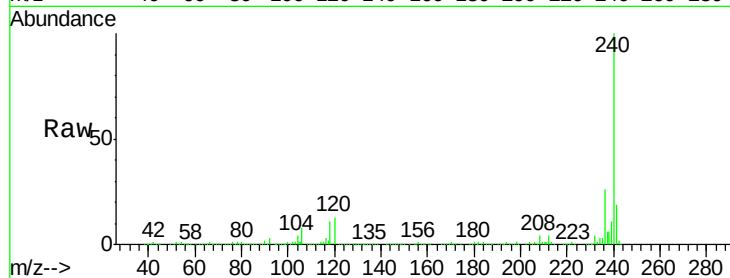
Tot Ion:240 Resp: 445240

Ion Ratio Lower Upper

240 100

120 12.8 5.7 8.5#

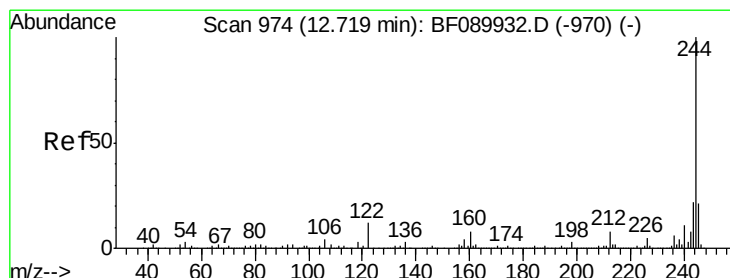
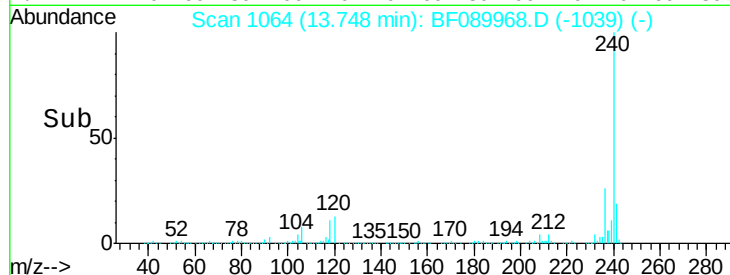
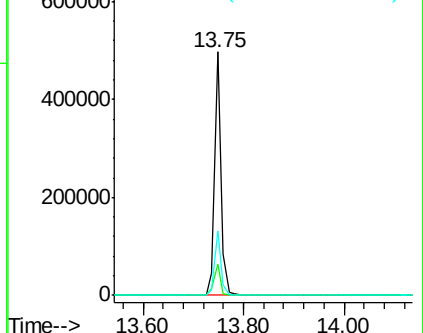
236 26.4 21.3 31.9



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: 77.01 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089968.D

Acq: 1 Sep 2016 13:35

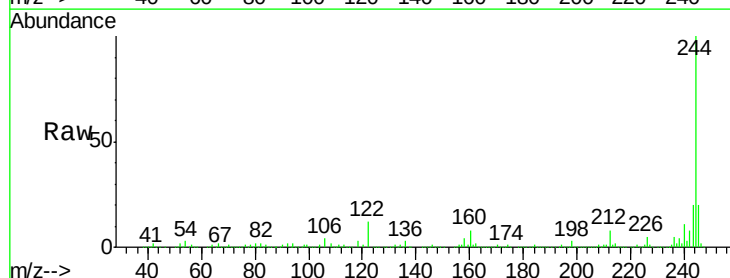
Tgt Ion:244 Resp: 1388012

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

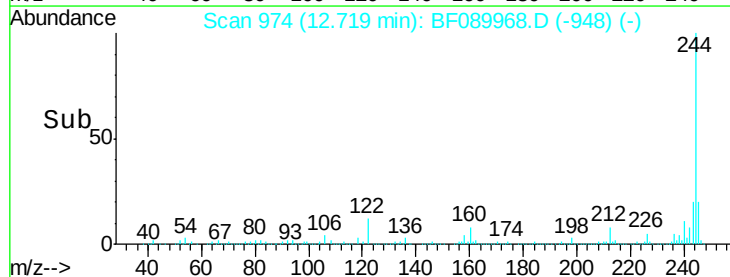
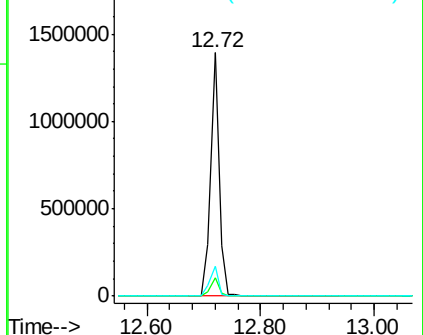
122 12.4 9.6 14.4

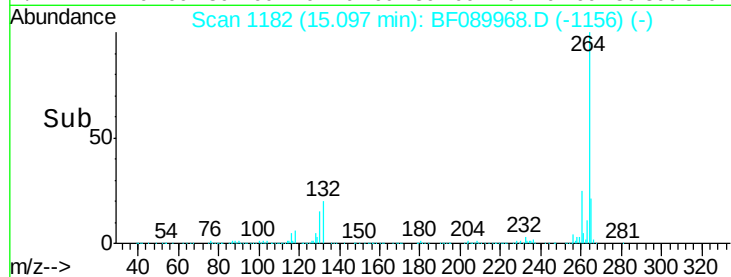
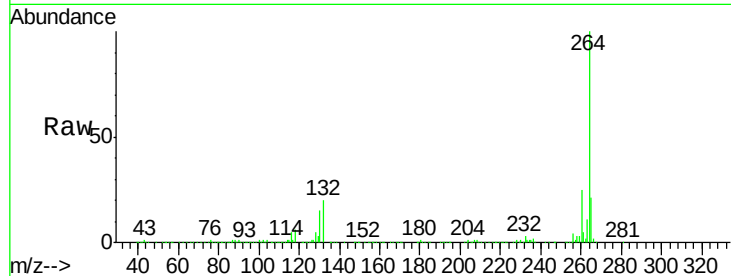
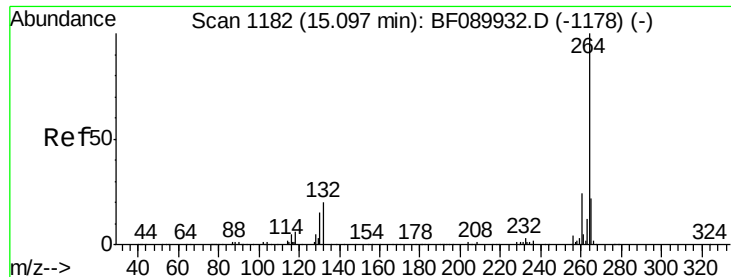


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF089968.D
Acq: 1 Sep 2016 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.0
265	21.3	17.4	26.2

