

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
 Data File : BF092928.D
 Acq On : 13 Feb 2017 19:51
 Operator : SJ/MA
 Sample : I1788-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-021017

Quant Time: Feb 14 00:40:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

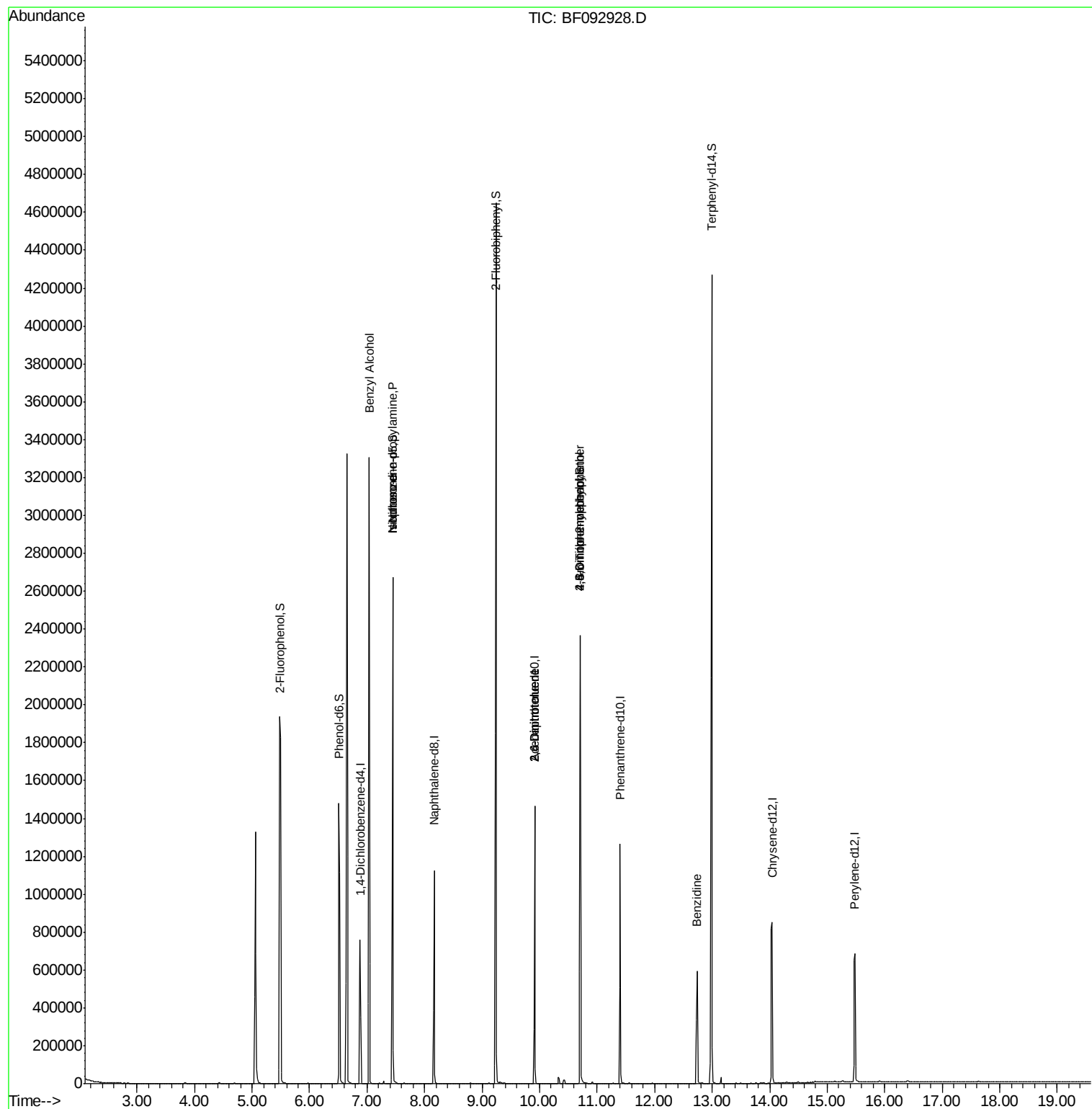
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	125536	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	539852	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	307321	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	509729	20.00	ng	0.00
75) Chrysene-d12	14.04	240	440360	20.00	ng	-0.01
86) Perylene-d12	15.48	264	380332	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	778476	106.39	ng	0.01
7) Phenol-d6	6.51	99	670581	71.23	ng	-0.02
23) Nitrobenzene-d5	7.45	82	885123	91.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	289517	130.25	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1562753	92.13	ng	0.00
78) Terphenyl-d14	12.99	244	1484131	79.19	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.04	79	14118	2.03	ng	# 46
19) n-Nitroso-di-n-propylamine	7.45	70	116540	19.45	ng	# 81
25) Isophorone	7.45	82	665778	36.86	ng	# 65
50) 2,6-Dinitrotoluene	9.92	165	38148	8.53	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	38150	6.41	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.70	198	486	2.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	20181	3.79	ng	# 1
76) Benzydine	12.74	184	282169	15.04	ng	98

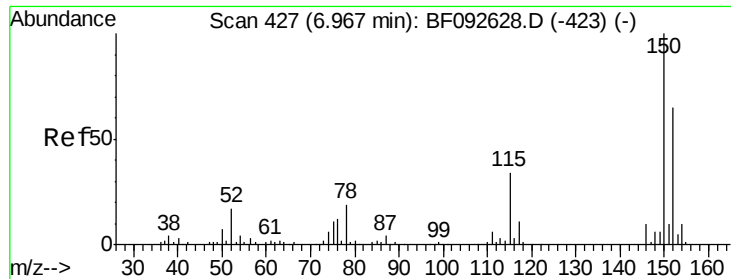
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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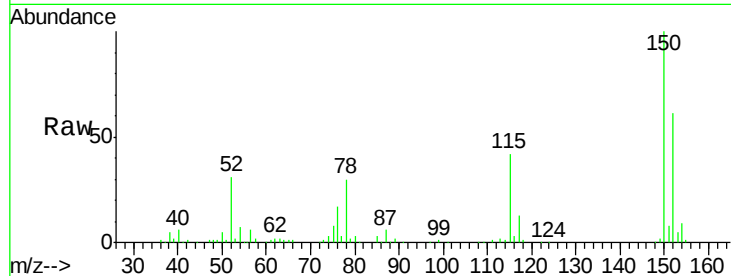


#1

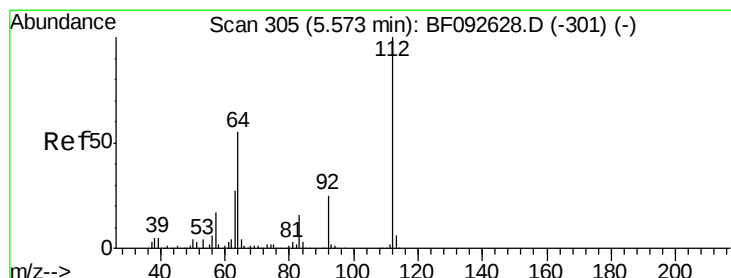
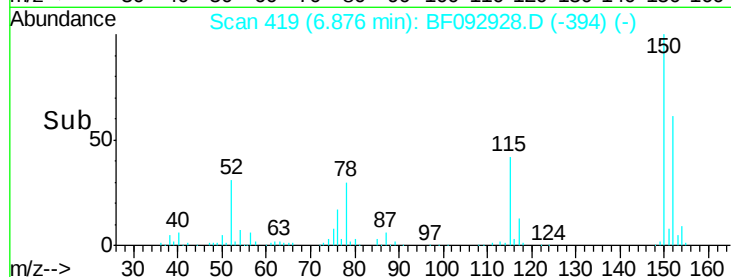
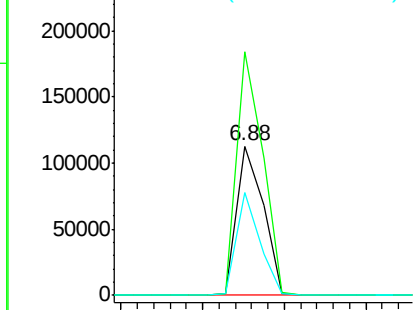
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

Instrument :
BNA_F
ClientSampleId :
FB-021017

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.5	124.9	187.3
115	68.7	46.0	69.0



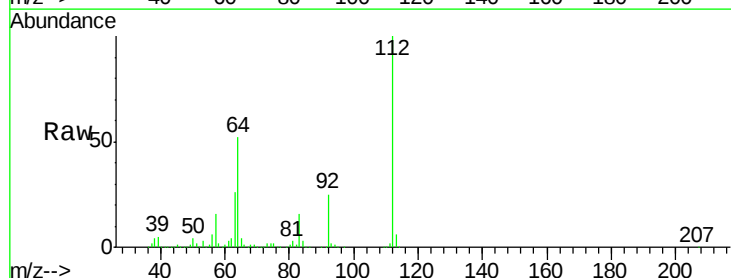
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



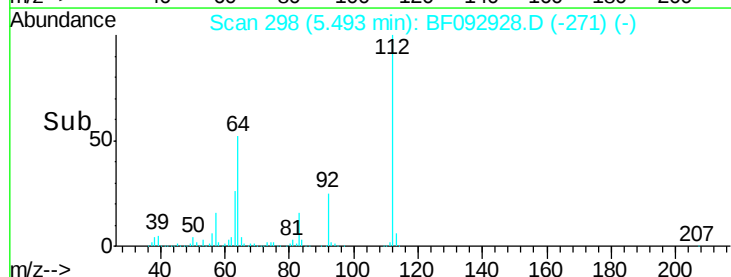
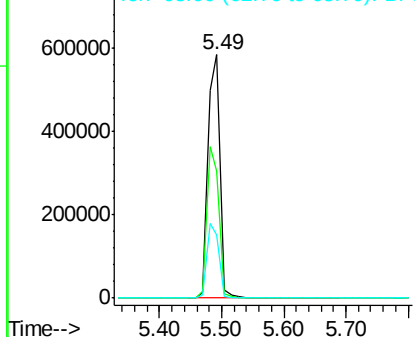
#5

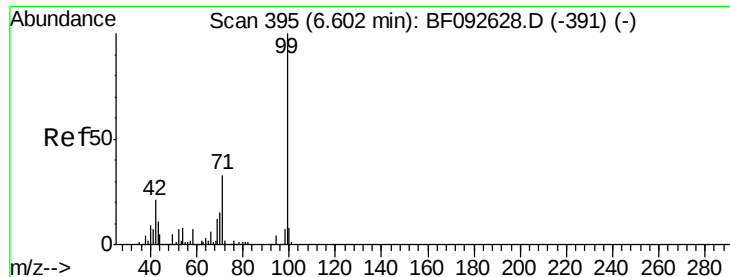
2-Fluorophenol
Concen: 106.39 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	46.1	69.1
63	26.0	23.8	35.6



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: 71.23 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

FB-021017

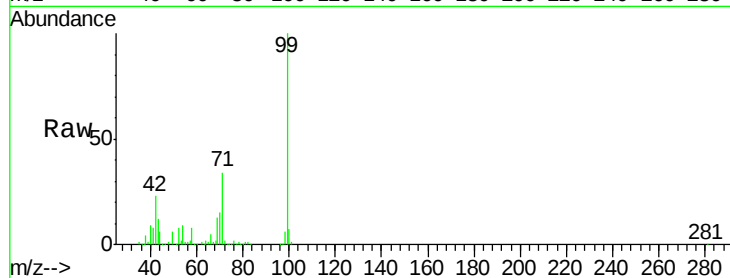
Tgt Ion: 99 Resp: 670581

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

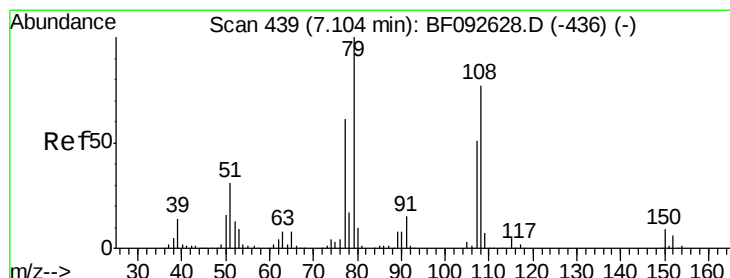
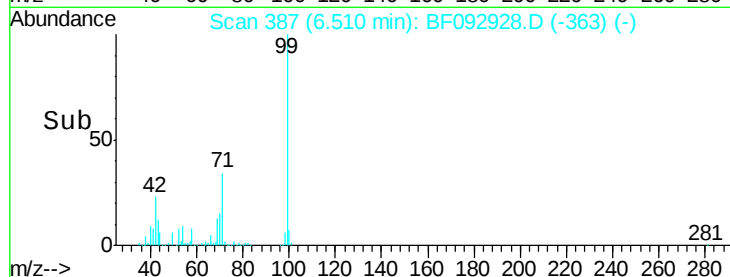
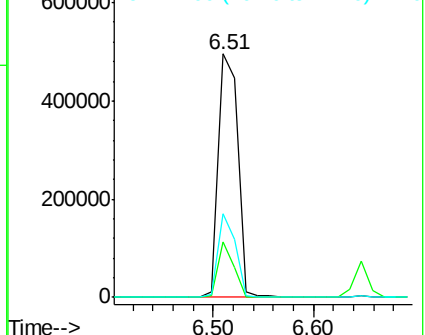
71 34.3 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

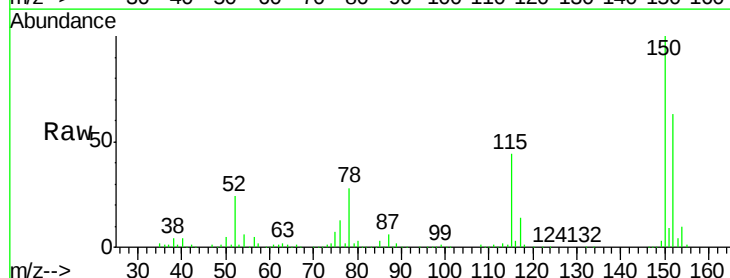
Tgt Ion: 79 Resp: 14118

Ion Ratio Lower Upper

79 100

108 27.4 61.4 92.0#

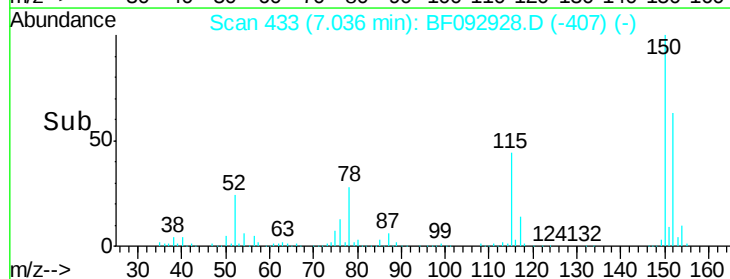
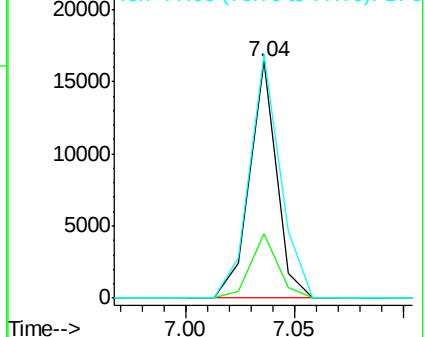
77 102.8 50.9 76.3#



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

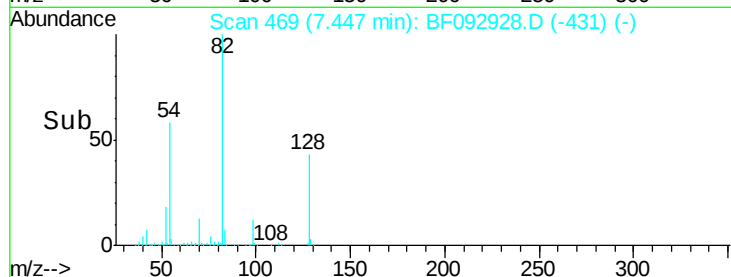
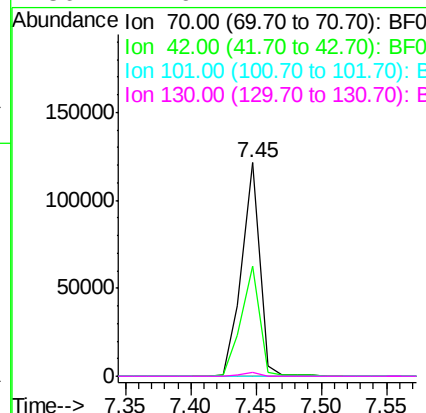
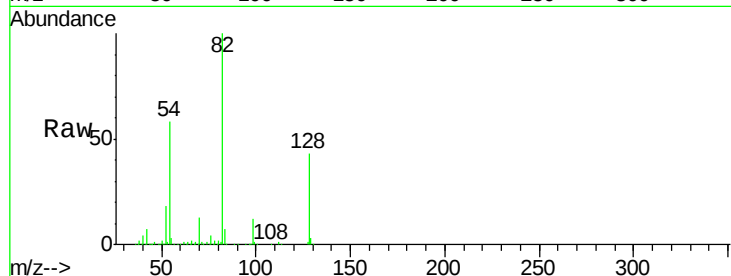




#19
n-Nitroso-di-n-propylamine
Concen: 19.45 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.14 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

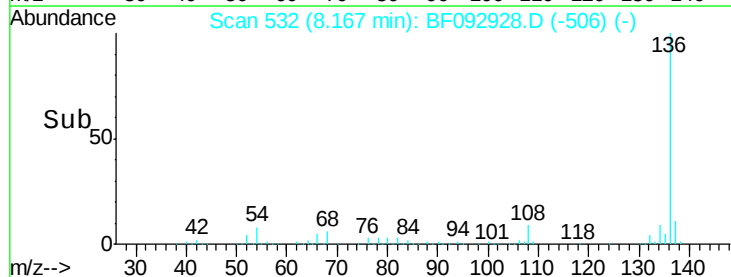
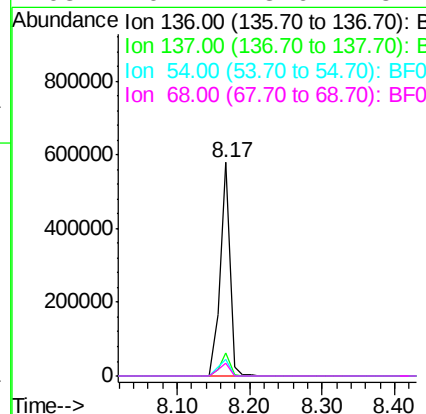
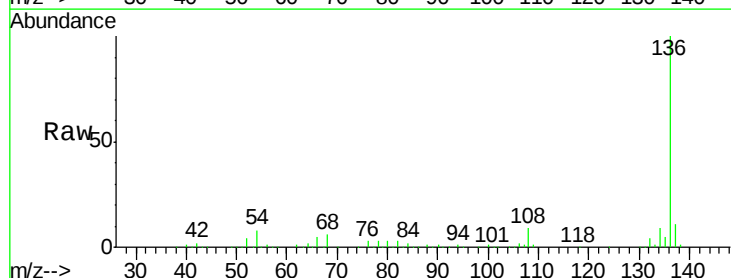
Instrument :
BNA_F
ClientSampleId :
FB-021017

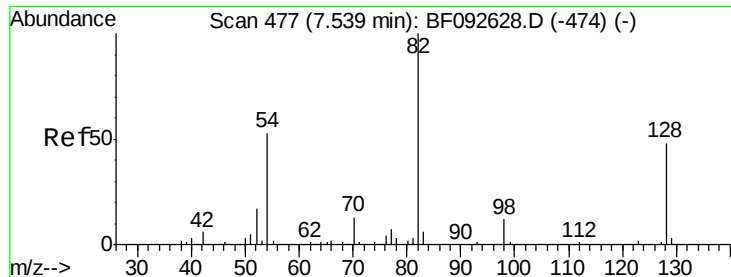
Tgt Ion: 70 Resp: 116540
Ion Ratio Lower Upper
70 100
42 51.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

Tgt Ion: 136 Resp: 539852
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.9 4.5 6.7#
68 6.1 3.6 5.4#

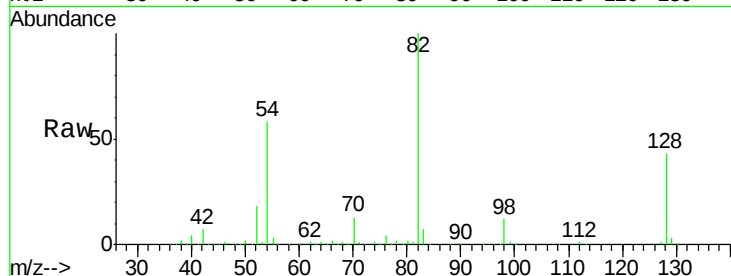




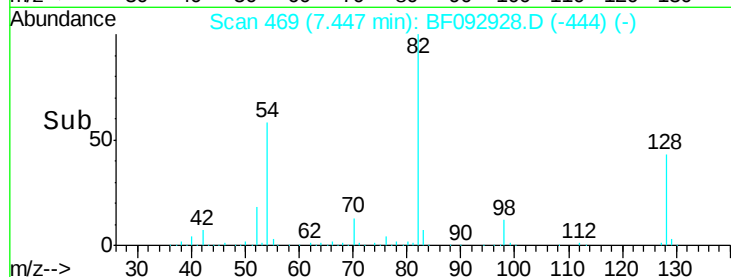
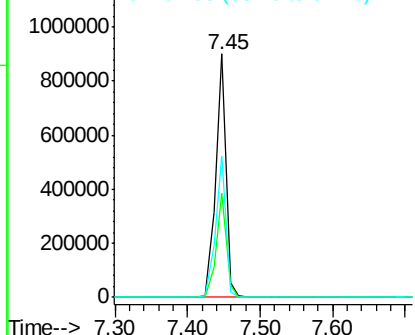
#23
 Nitrobenzene-d5
 Concen: 91.30 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Instrument :
 BNA_F
 ClientSampleID :
 FB-021017

Tgt Ion: 82 Resp: 885123
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.6 52.0
 54 57.9 39.5 59.3

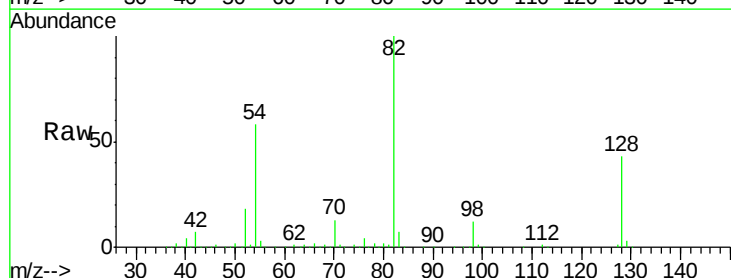


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

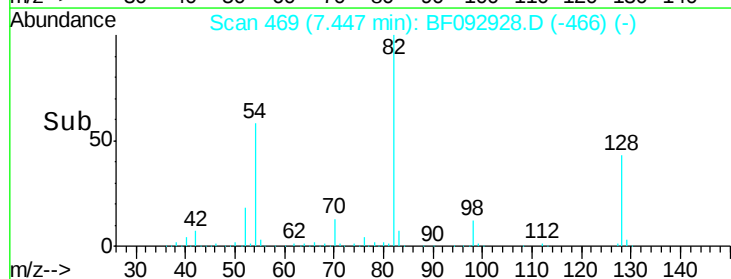
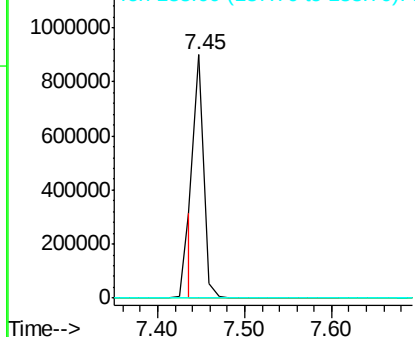


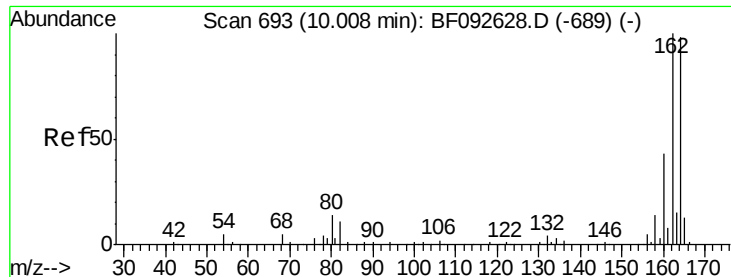
#25
 Isophorone
 Concen: 36.86 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.26 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Tgt Ion: 82 Resp: 665778
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

FB-021017

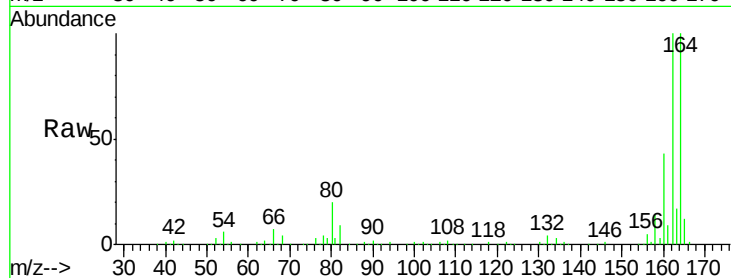
Tgt Ion:164 Resp: 307321

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

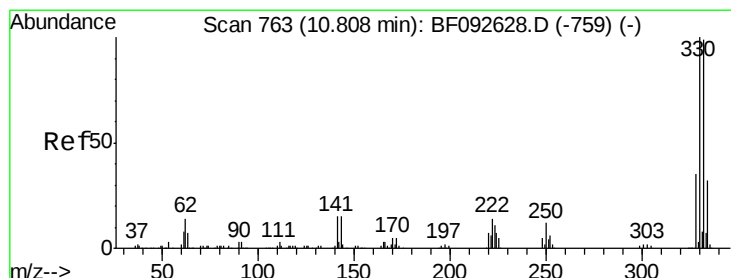
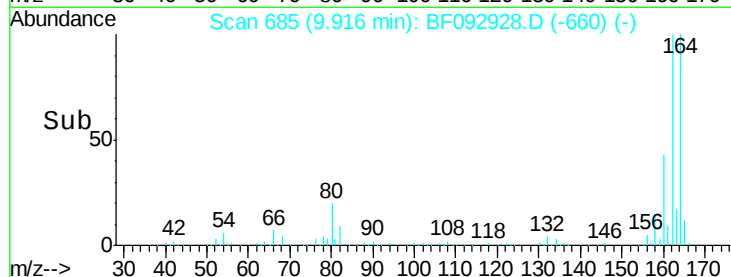
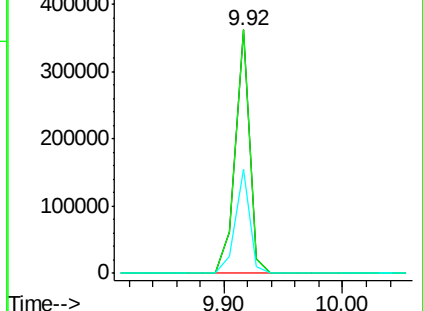
160 43.0 36.9 55.3



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: 130.25 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

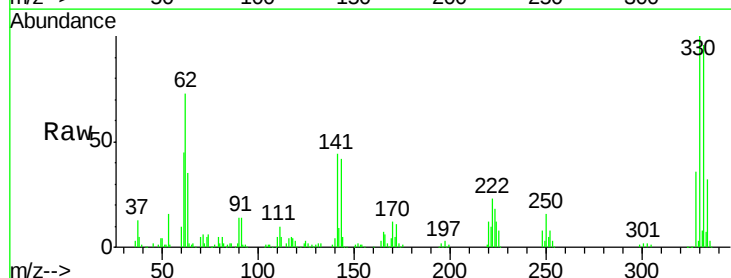
Tgt Ion:330 Resp: 289517

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

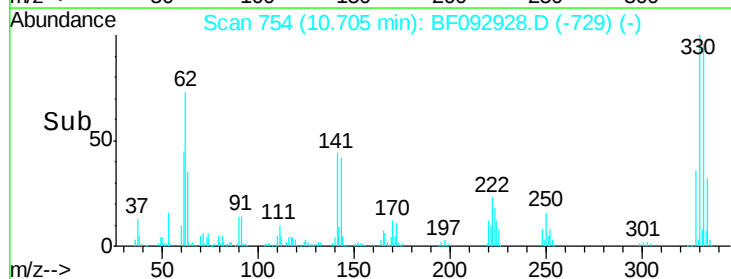
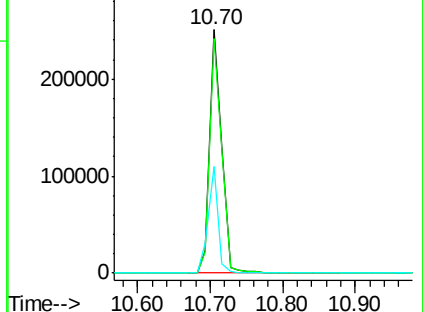
141 36.6 34.1 51.1



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

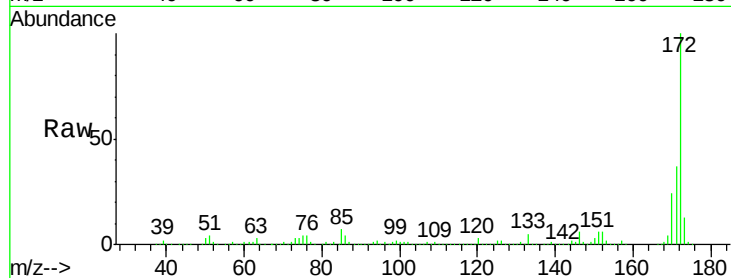




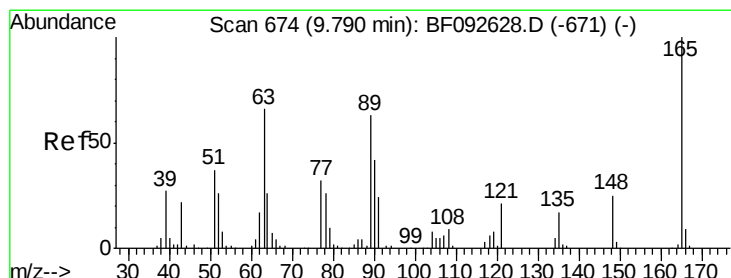
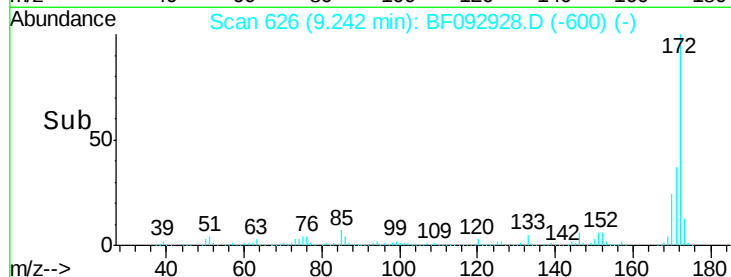
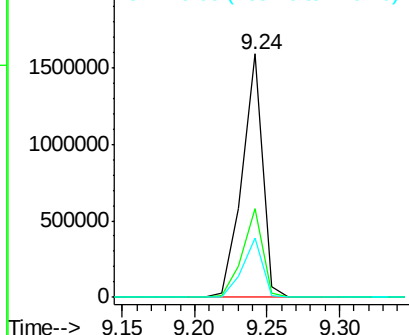
#44
 2-Fluorobiphenyl
 Concen: 92.13 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 FB-021017

Tgt Ion:172 Resp: 1562753
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.2 20.2 30.4

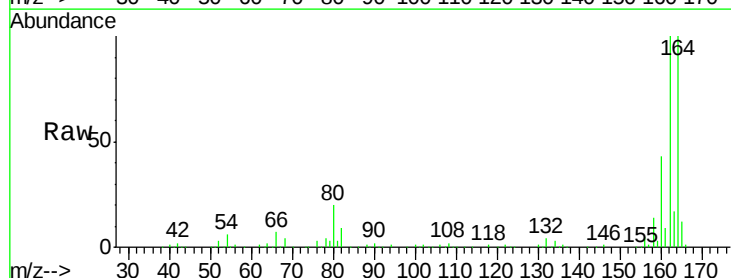


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

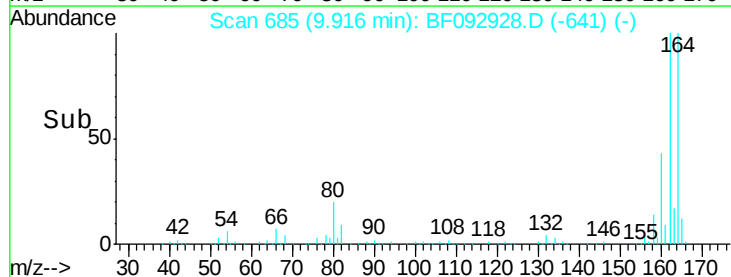
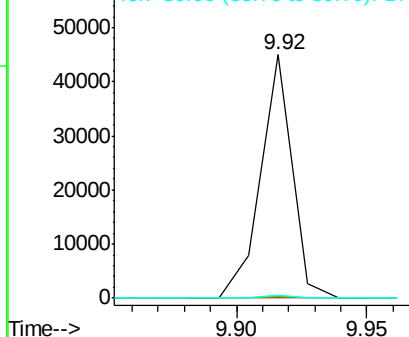


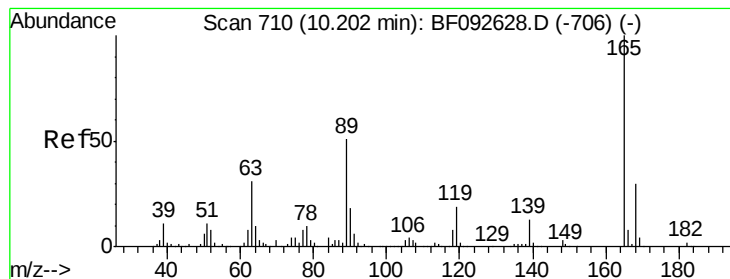
#50
 2,6-Dinitrotoluene
 Concen: 8.53 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Tgt Ion:165 Resp: 38148
 Ion Ratio Lower Upper
 165 100
 63 0.7 36.2 54.4#
 89 1.1 40.2 60.4#



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: 6.41 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.21 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

FB-021017

Tgt Ion:165 Resp: 38150

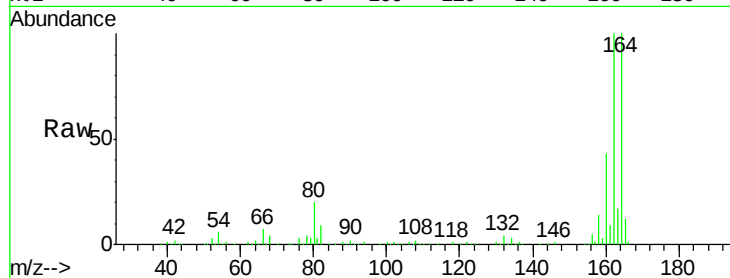
Ion Ratio Lower Upper

165 100

63 0.7 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

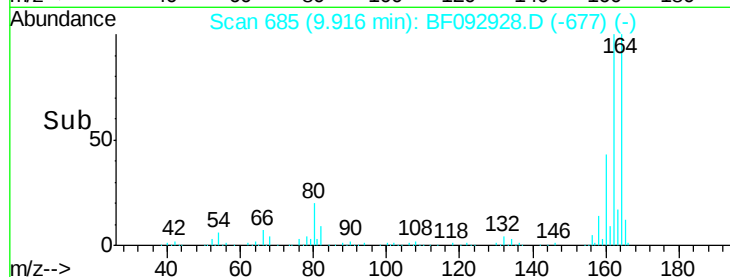


Abundance Ion 165.00 (164.70 to 165.70): E

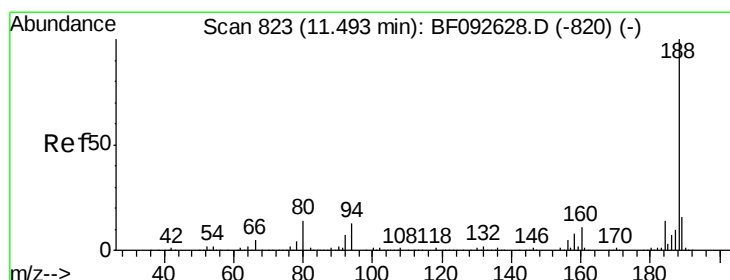
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time--> 9.85 9.90 9.95



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

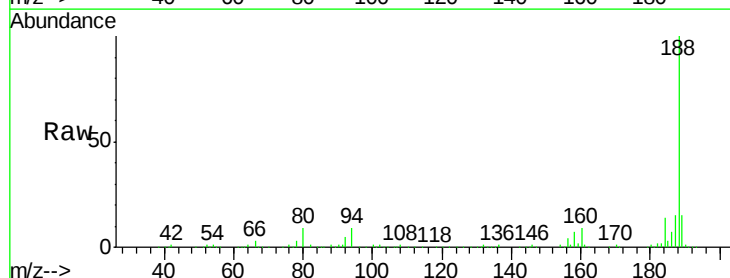
Tgt Ion:188 Resp: 509729

Ion Ratio Lower Upper

188 100

94 8.8 10.0 15.0#

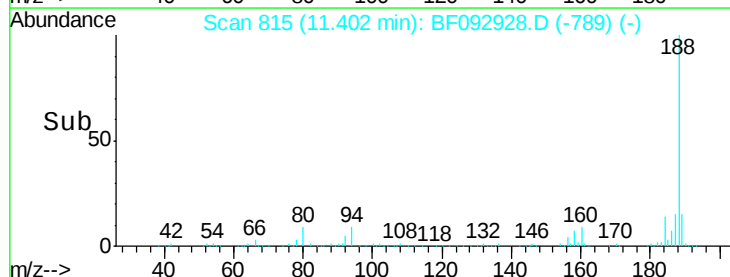
80 9.2 11.2 16.8#



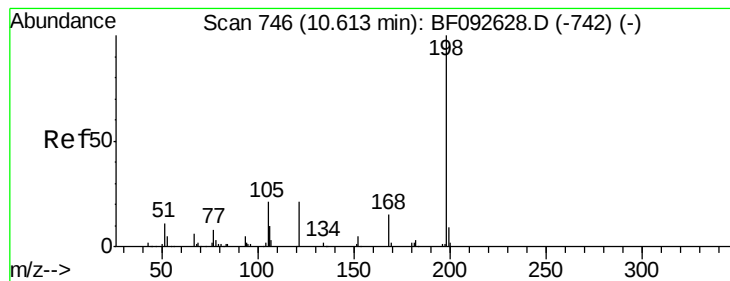
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.30 11.40 11.50



#64

4,6-Dinitro-2-methylphenol

Concen: 2.82 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.17 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

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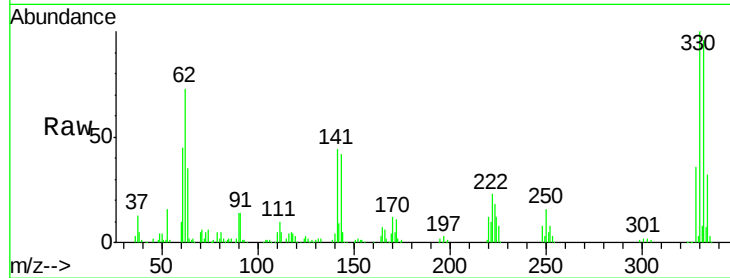
Tgt Ion:198 Resp: 486

Ion Ratio Lower Upper

198 100

51 214.7 6.7 46.7#

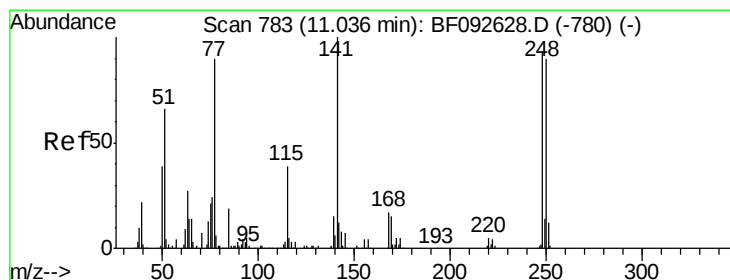
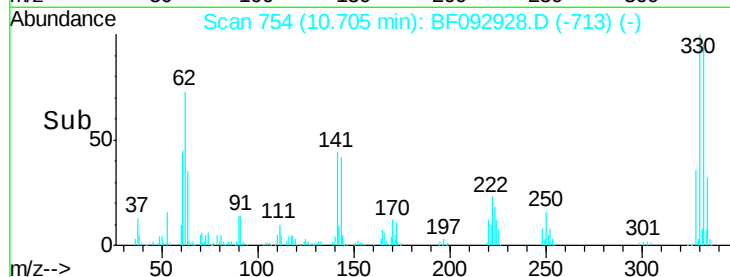
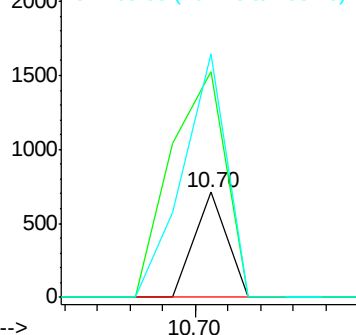
105 232.2 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092928.D

Acq: 13 Feb 2017 19:51

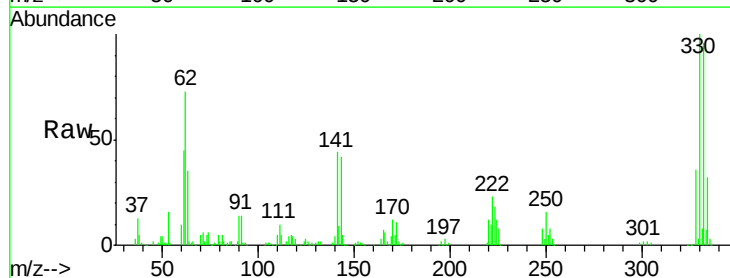
Tgt Ion:248 Resp: 20181

Ion Ratio Lower Upper

248 100

250 195.1 76.9 115.3#

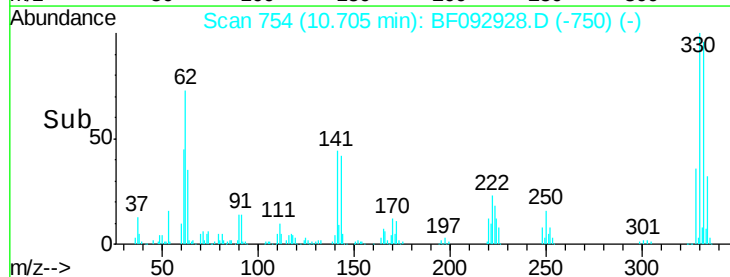
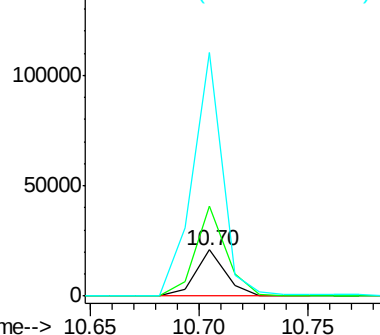
141 524.5 68.2 102.4#

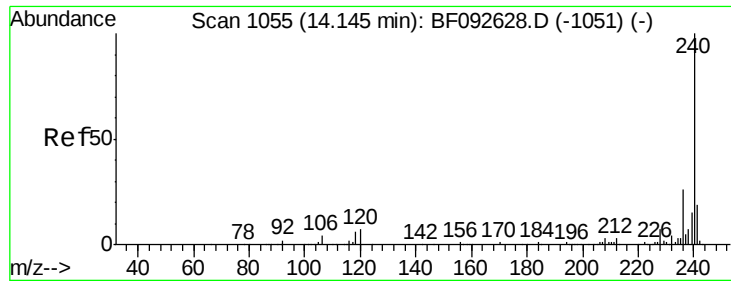


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

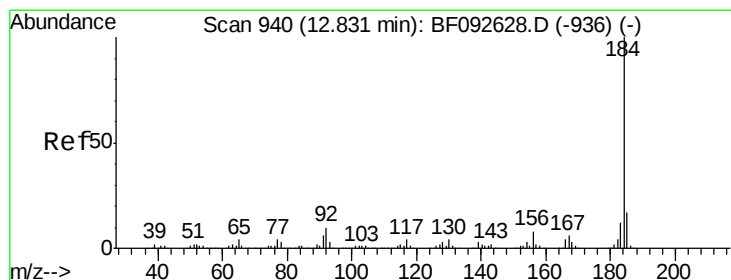
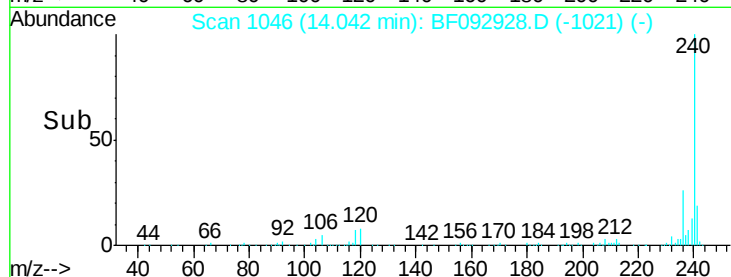
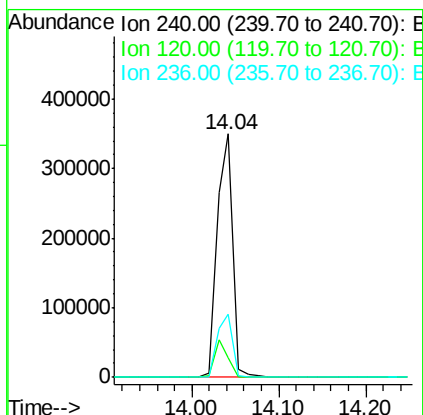
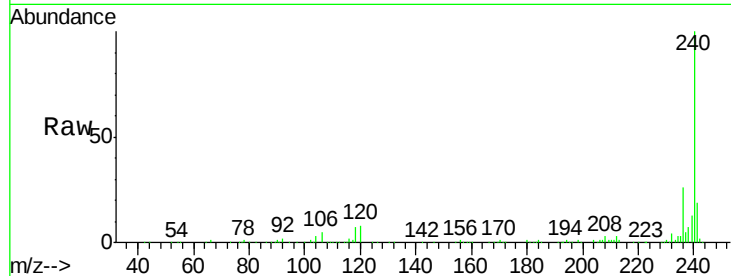




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

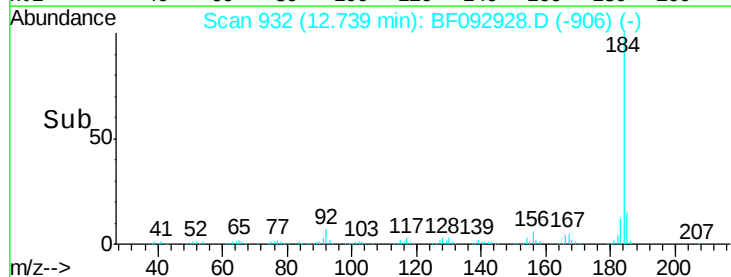
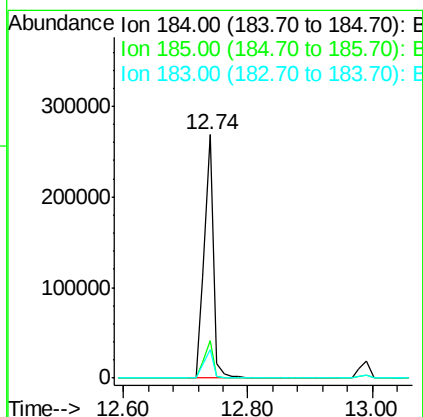
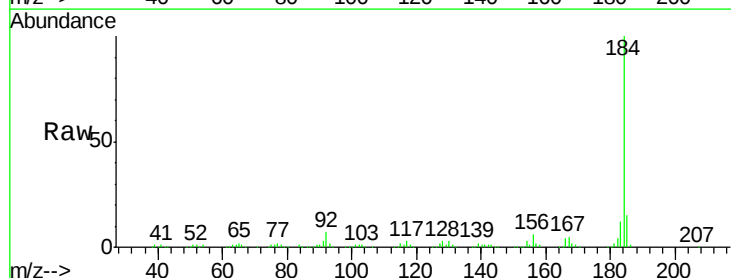
Instrument :
BNA_F
ClientSampleId :
FB-021017

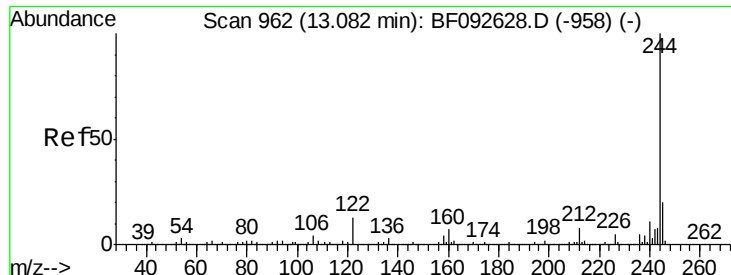
Tgt Ion:240 Resp: 440360
Ion Ratio Lower Upper
240 100
120 8.0 12.9 19.3#
236 25.9 20.9 31.3



#76
Benzidine
Concen: 15.04 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF092928.D
Acq: 13 Feb 2017 19:51

Tgt Ion:184 Resp: 282169
Ion Ratio Lower Upper
184 100
185 15.2 13.4 20.0
183 11.6 9.2 13.8

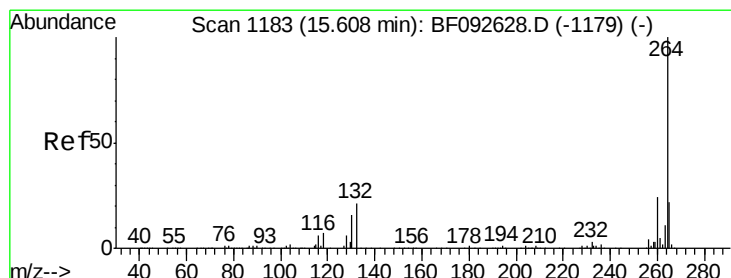
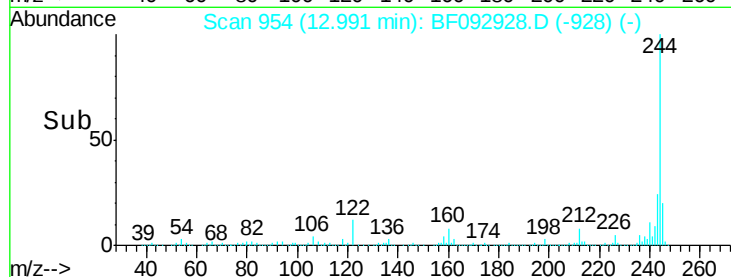
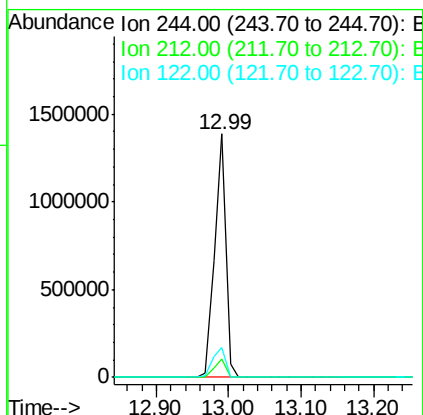
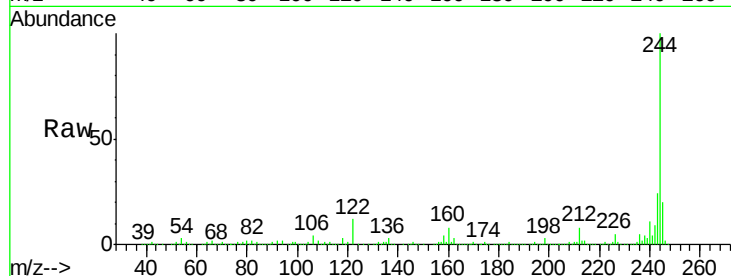




#78
 Terphenyl-d14
 Concen: 79.19 ng
 RT: 12.99 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 FB-021017

Tgt Ion:244 Resp: 1484131
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 12.4 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF092928.D
 Acq: 13 Feb 2017 19:51

Tgt Ion:264 Resp: 380332
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 20.6 17.4 26.0

