

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093376.D
 Acq On : 3 Mar 2017 23:18
 Operator : SJ/MA
 Sample : I2086-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20170302

Quant Time: Mar 04 01:34:39 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

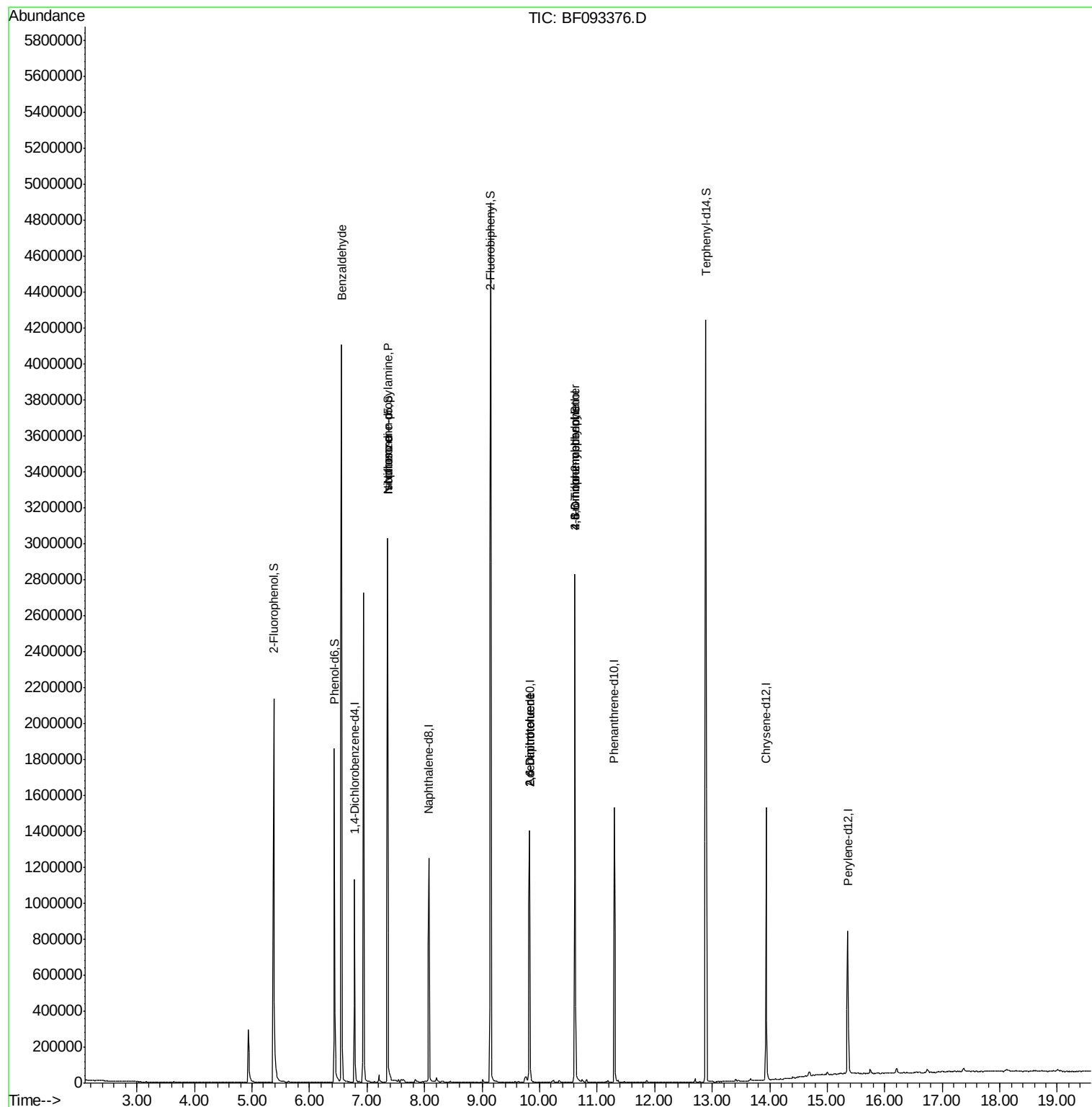
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	191374	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	729452	20.00	ng	-0.07
38) Acenaphthene-d10	9.82	164	365276	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	677792	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	522885	20.00	ng	-0.08
86) Perylene-d12	15.36	264	355172	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	784940	70.37	ng	-0.07
7) Phenol-d6	6.43	99	679160	47.32	ng	-0.06
23) Nitrobenzene-d5	7.36	82	1134209	86.59	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	342710	129.72	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	1955428	96.98	ng	-0.07
78) Terphenyl-d14	12.89	244	1647852	74.05	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.56	77	27602	2.68	ng	# 81
19) n-Nitroso-di-n-propylamine	7.36	70	151141	16.54	ng	# 81
25) Isophorone	7.36	82	936489	38.37	ng	# 65
50) 2,6-Dinitrotoluene	9.82	165	46945	8.84	ng	# 31
56) 2,4-Dinitrotoluene	9.82	165	46939	6.64	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	887	2.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	26251	3.71	ng	# 1

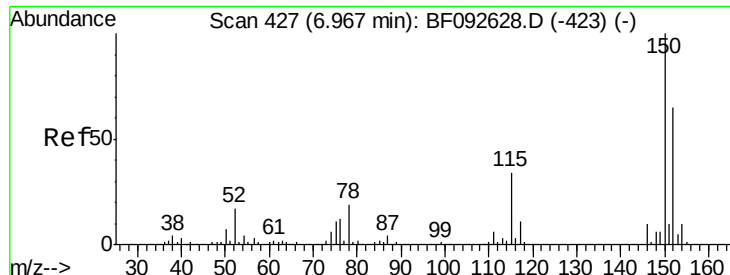
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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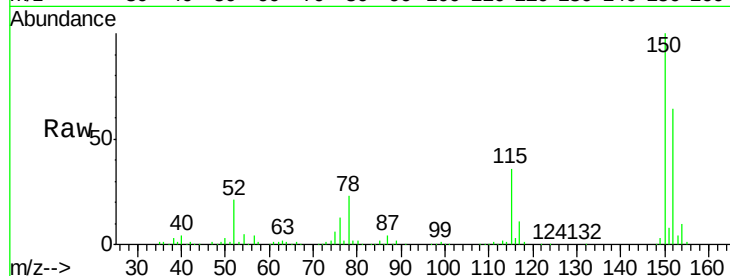


#1

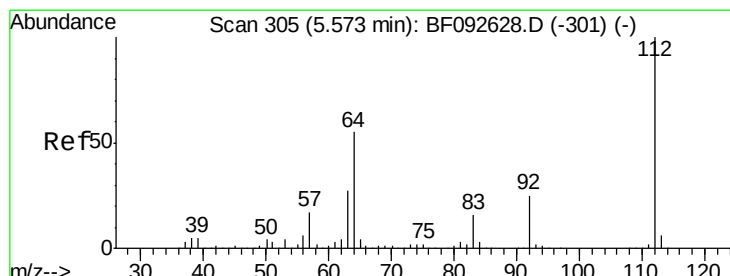
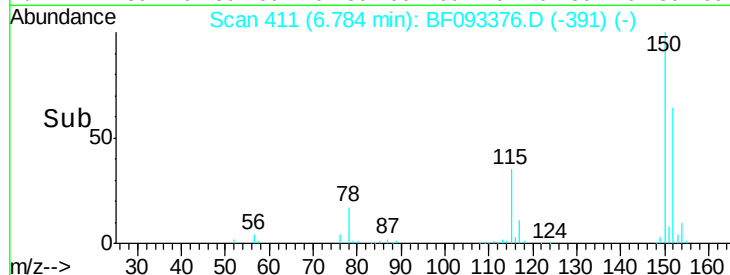
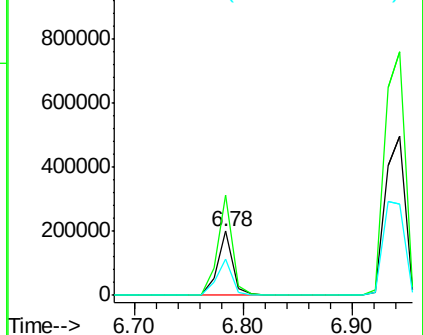
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.07 min
Lab File: BF093376.D
Acq: 3 Mar 2017 23:18

Instrument :
BNA_F
ClientSampleId :
FB-20170302

Tgt Ion:152 Resp: 191374
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 56.2 46.0 69.0



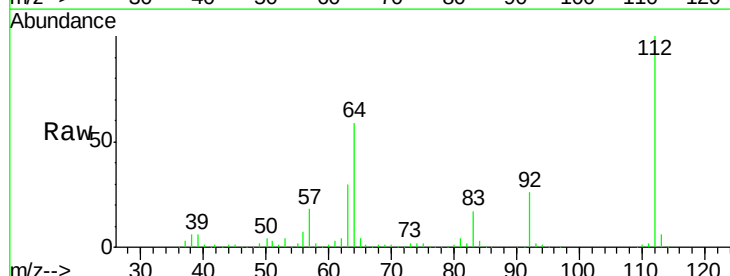
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



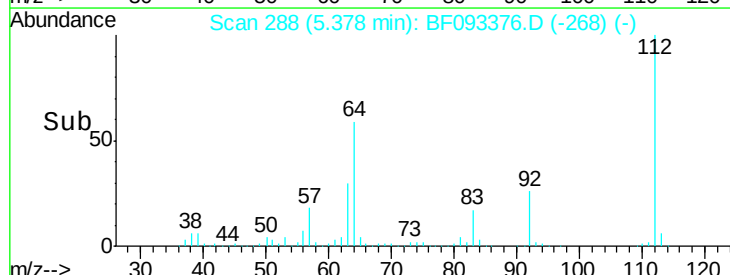
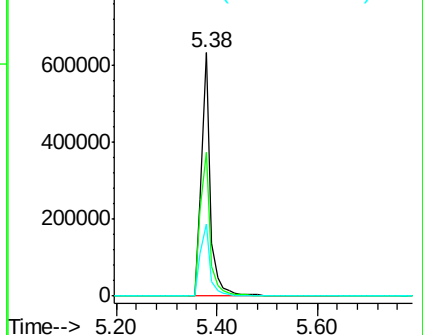
#5

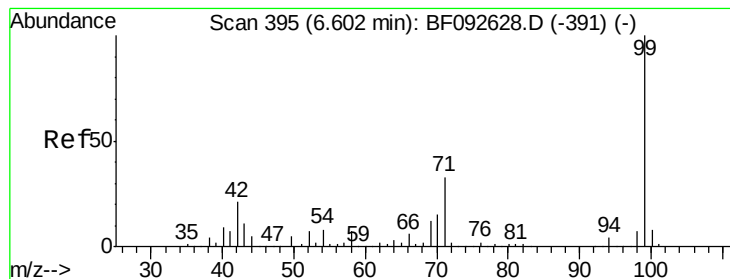
2-Fluorophenol
Concen: 70.37 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.07 min
Lab File: BF093376.D
Acq: 3 Mar 2017 23:18

Tgt Ion:112 Resp: 784940
Ion Ratio Lower Upper
112 100
64 59.3 46.1 69.1
63 29.5 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: 47.32 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

Instrument :

BNA_F

ClientSampleId :

FB-20170302

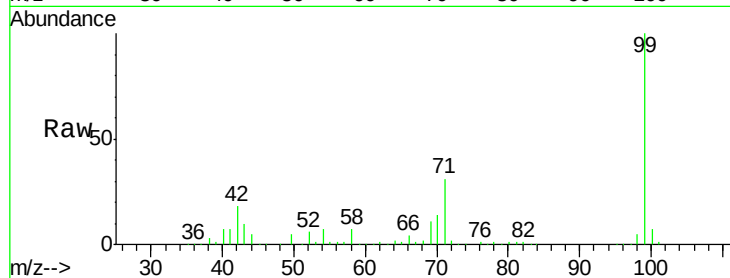
Tgt Ion: 99 Resp: 679160

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

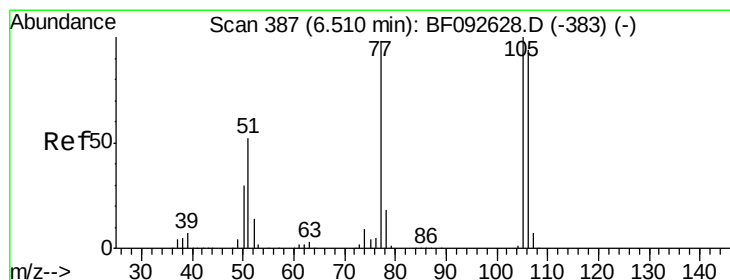
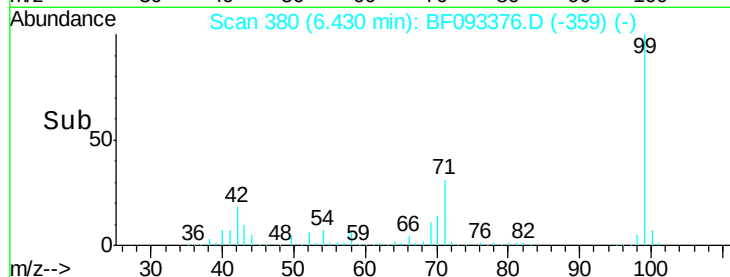
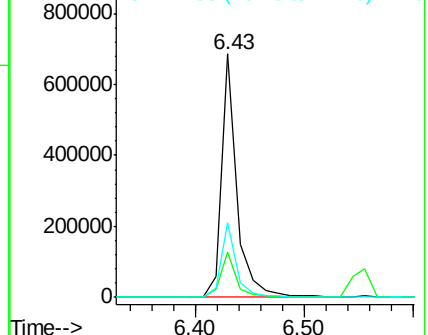
71 30.9 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.68 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.16 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

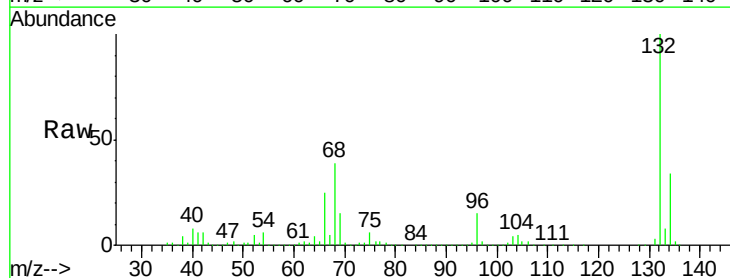
Tgt Ion: 77 Resp: 27602

Ion Ratio Lower Upper

77 100

105 83.5 83.9 123.9#

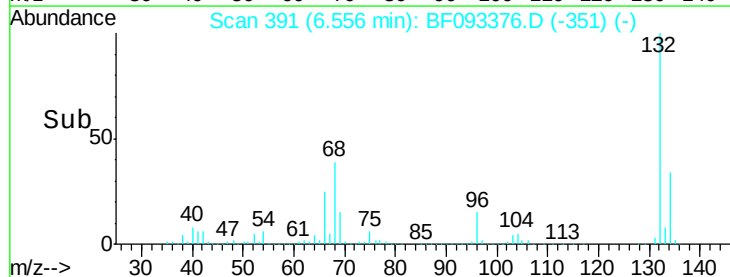
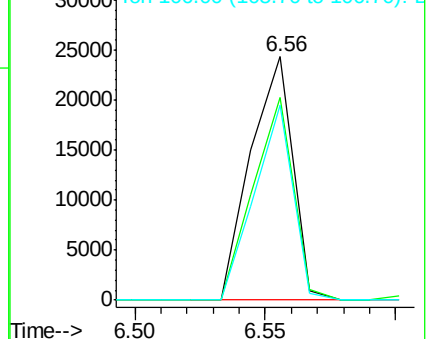
106 79.9 77.6 117.6

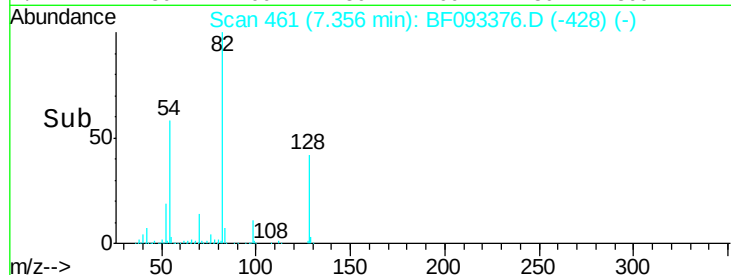
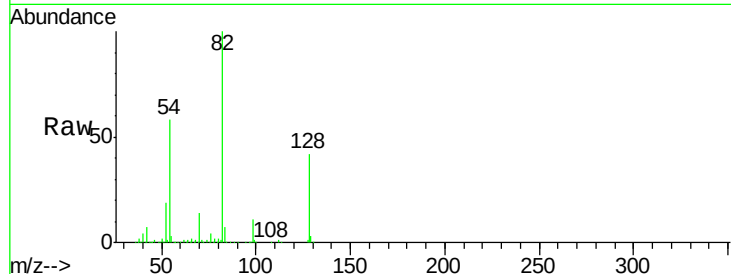
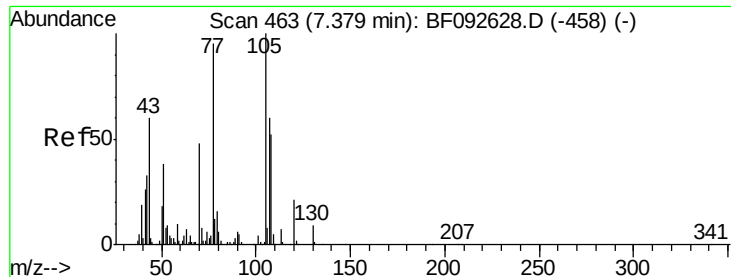


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

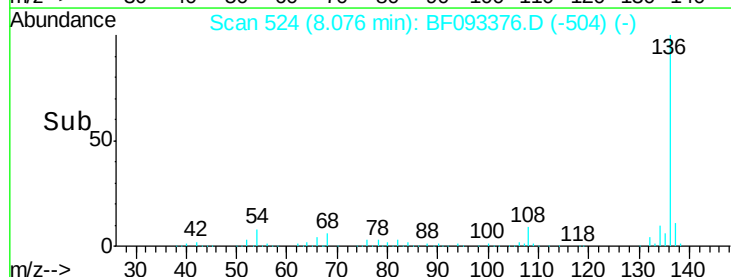
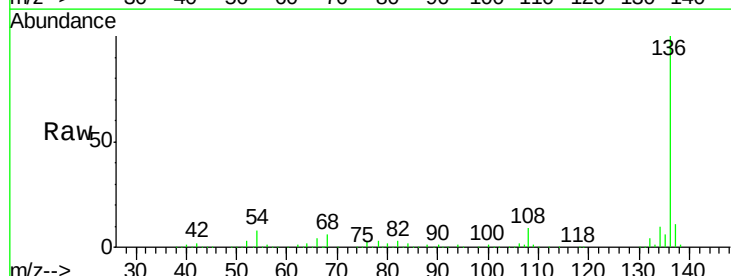
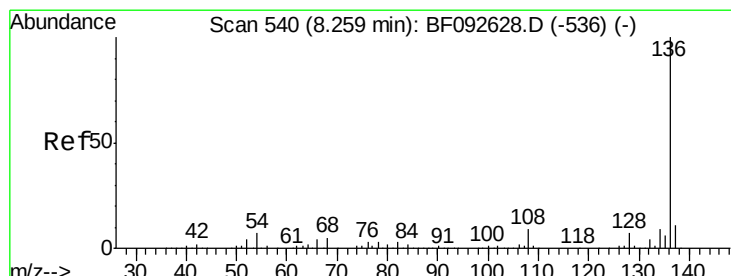
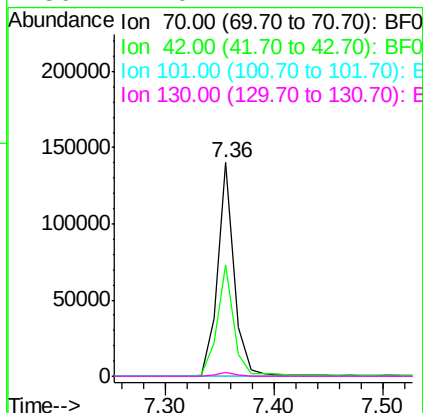




#19
n-Nitroso-di-n-propylamine
Concen: 16.54 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.08 min
Lab File: BF093376.D
Acq: 3 Mar 2017 23:18

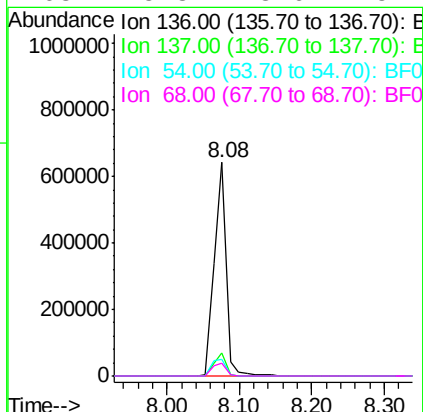
Instrument :
BNA_F
ClientSampleId :
FB-20170302

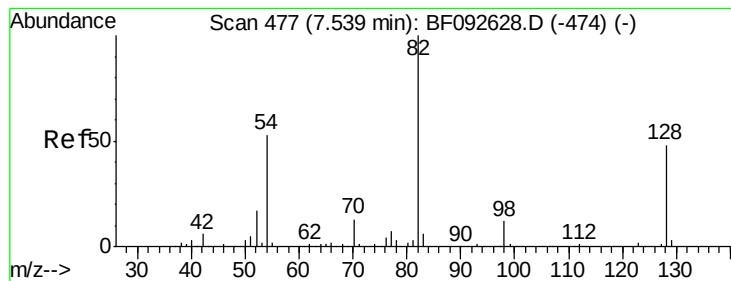
Tgt Ion:	70	Resp:	151141
Ion	Ratio	Lower	Upper
70	100		
42	52.1	49.4	74.0
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF093376.D
Acq: 3 Mar 2017 23:18

Tgt Ion:	136	Resp:	729452
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.7	4.5	6.7#
68	5.8	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 86.59 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.07 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

Instrument :

BNA_F

ClientSampleId :

FB-20170302

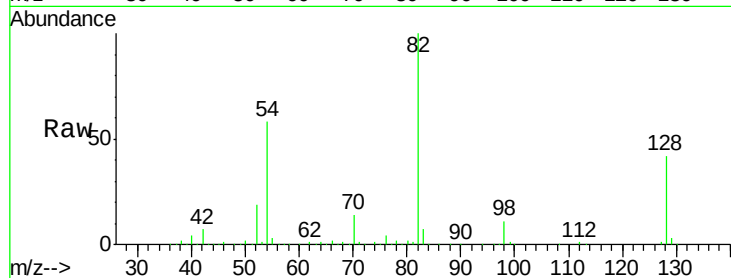
Tgt Ion: 82 Resp: 1134209

Ion Ratio Lower Upper

82 100

128 42.0 34.6 52.0

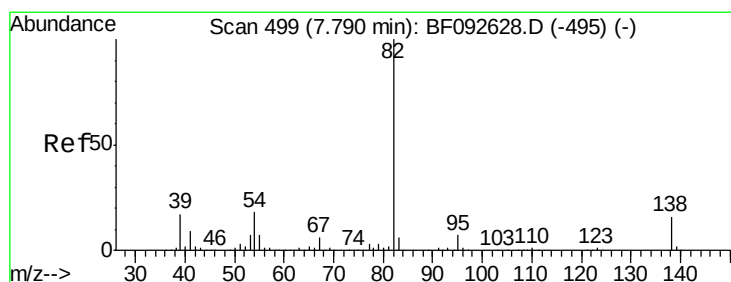
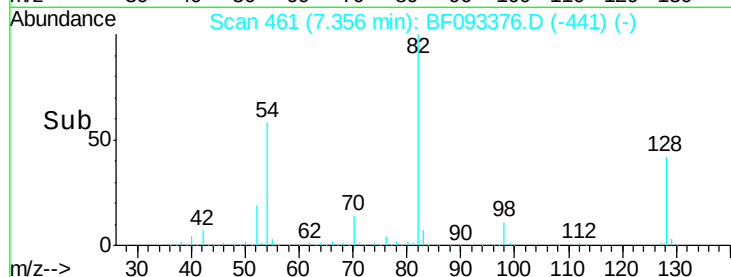
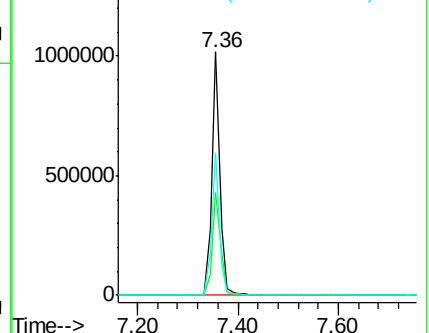
54 58.3 39.5 59.3



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: 38.37 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.33 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

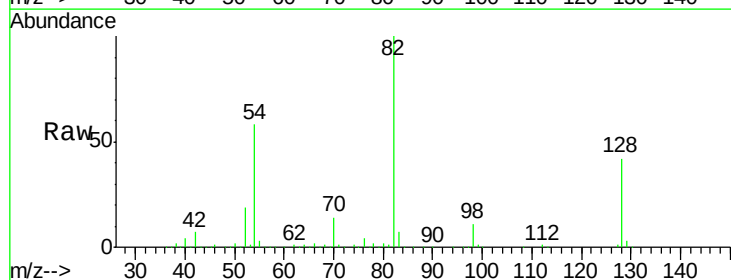
Tgt Ion: 82 Resp: 936489

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

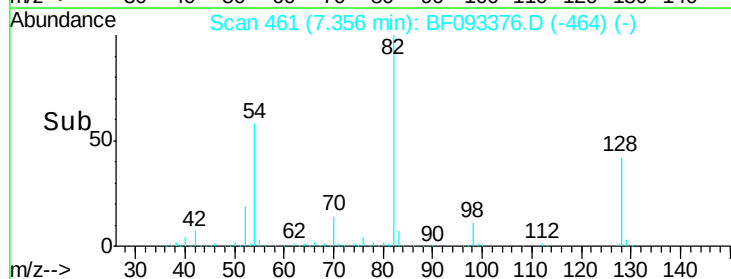
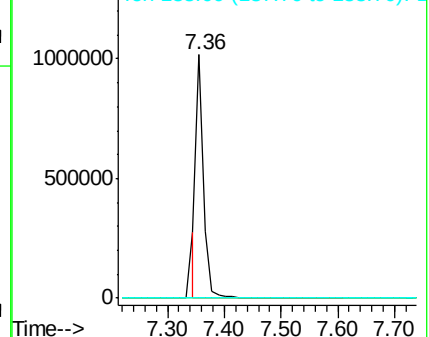
138 0.0 14.6 22.0#

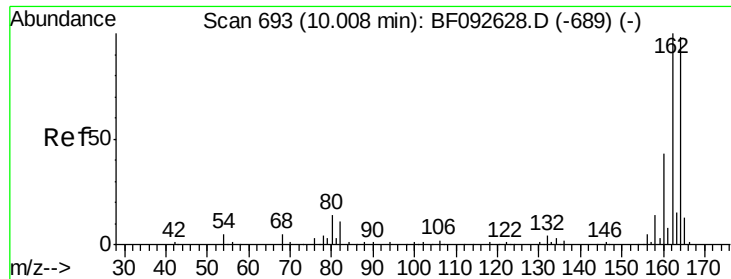


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

Instrument :

BNA_F

ClientSampleId :

FB-20170302

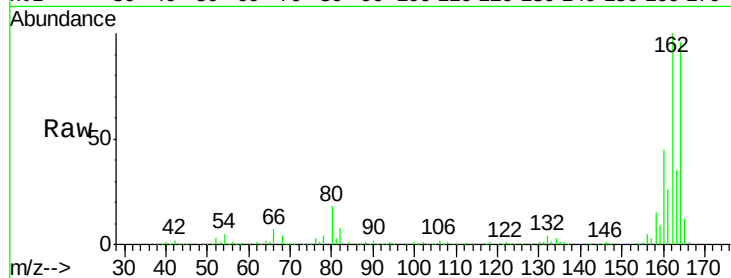
Tgt Ion:164 Resp: 365276

Ion Ratio Lower Upper

164 100

162 104.3 80.2 120.2

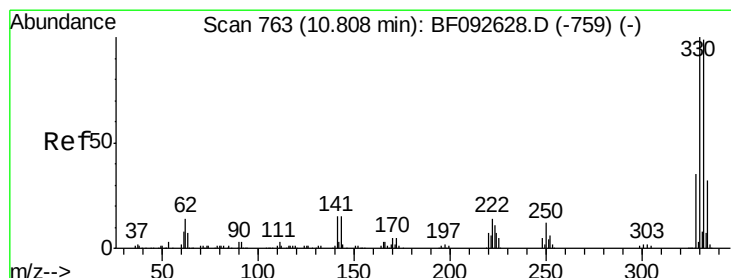
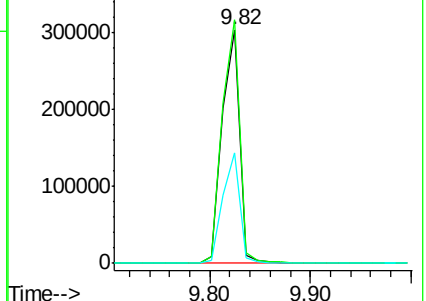
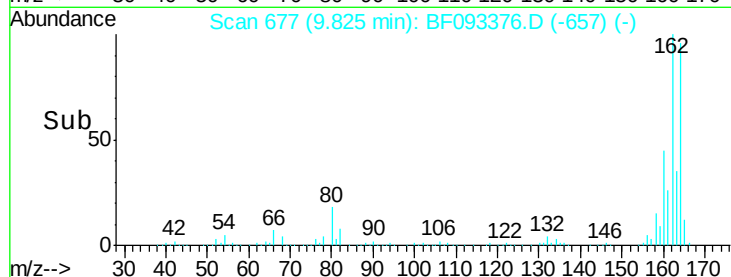
160 47.3 36.9 55.3



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: 129.72 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.07 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

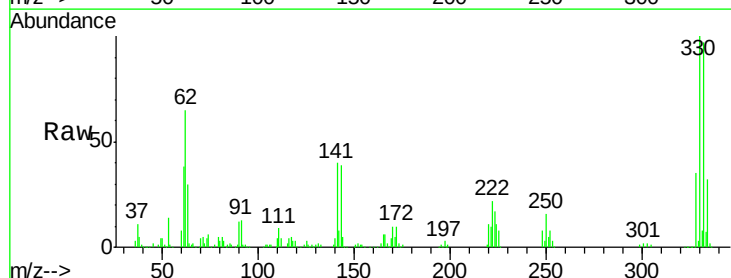
Tgt Ion:330 Resp: 342710

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

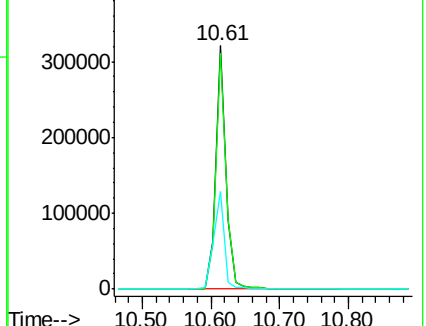
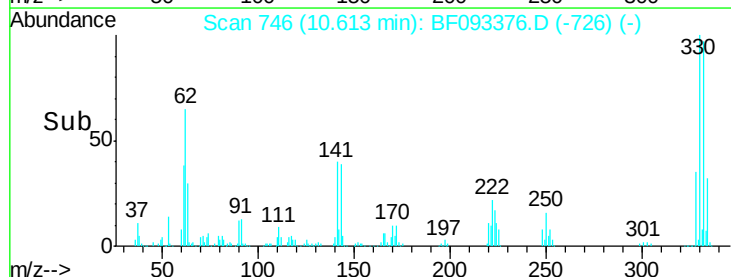
141 41.3 34.1 51.1

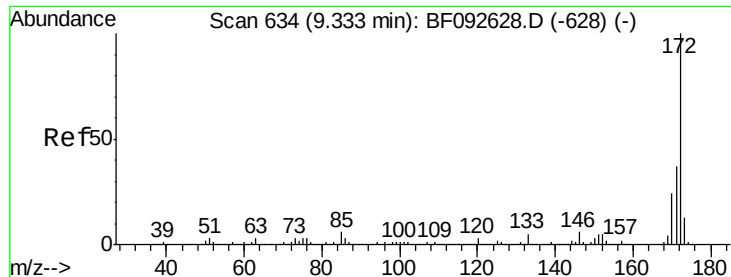


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

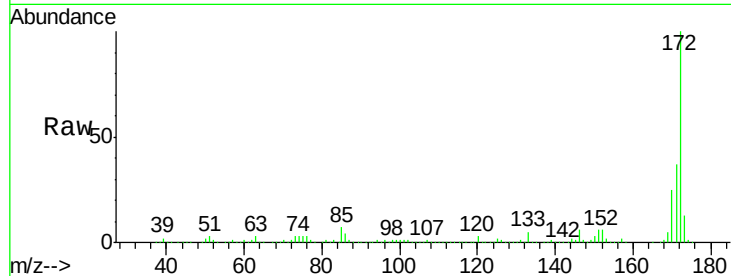




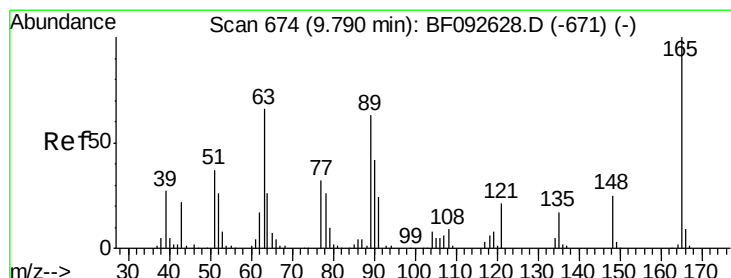
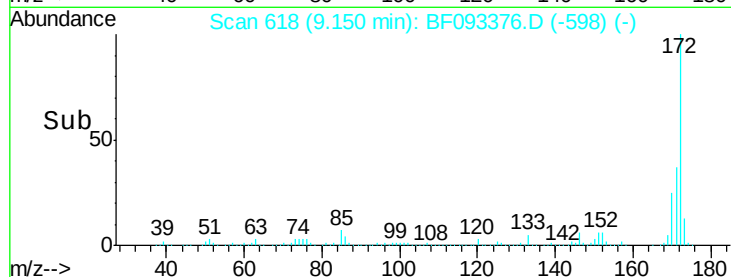
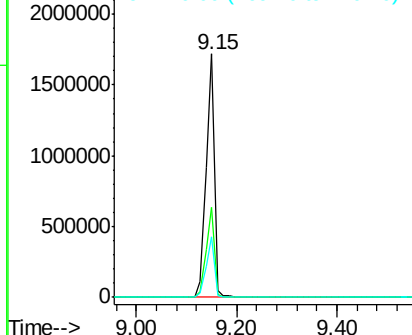
#44
 2-Fluorobiphenyl
 Concen: 96.98 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF093376.D
 Acq: 3 Mar 2017 23:18

Instrument :
 BNA_F
 ClientSampleId :
 FB-20170302

Tgt Ion:172 Resp: 1955428
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.6 20.2 30.4

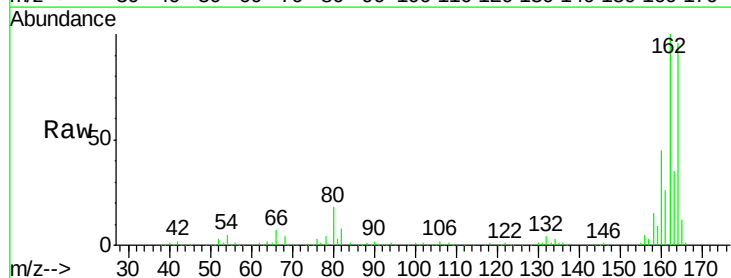


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

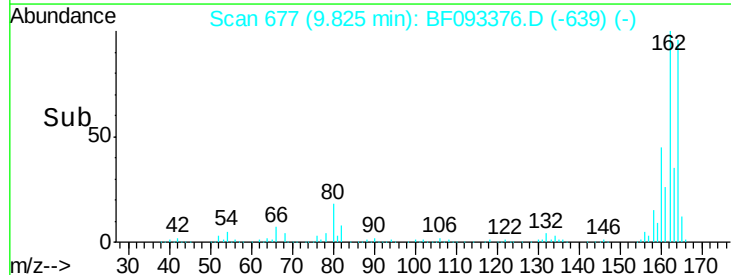
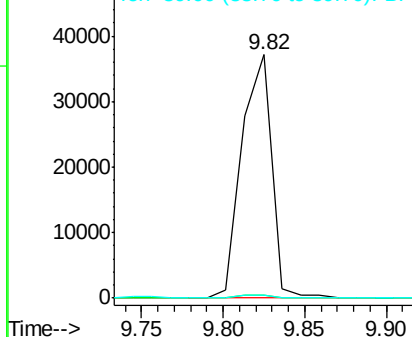


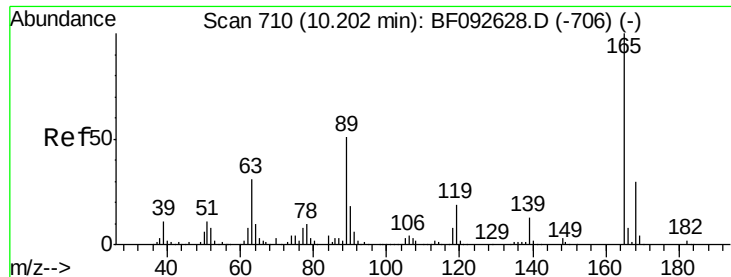
#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.14 min
 Lab File: BF093376.D
 Acq: 3 Mar 2017 23:18

Tgt Ion:165 Resp: 46945
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.2 54.4#
 89 1.5 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

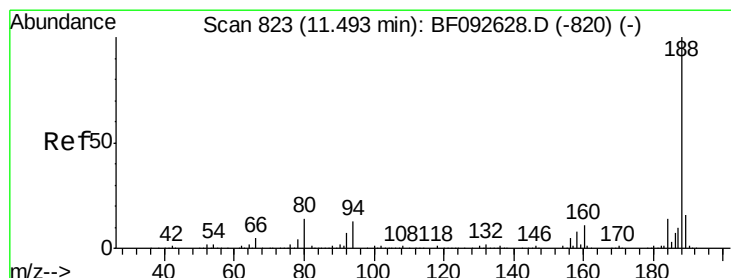
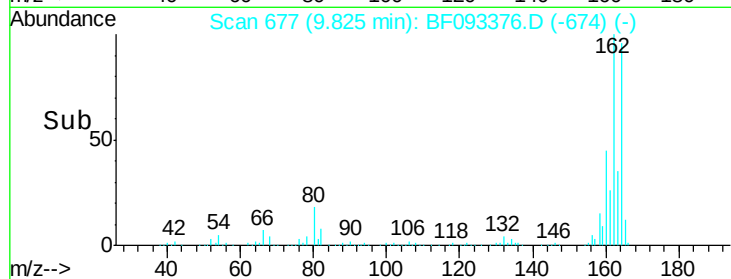
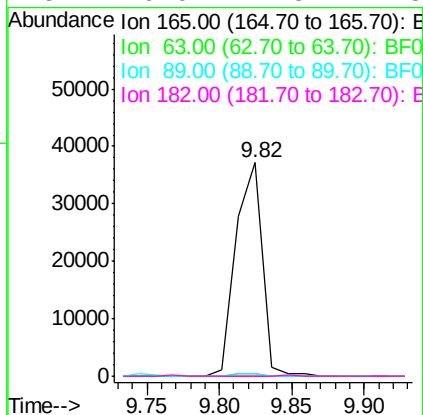
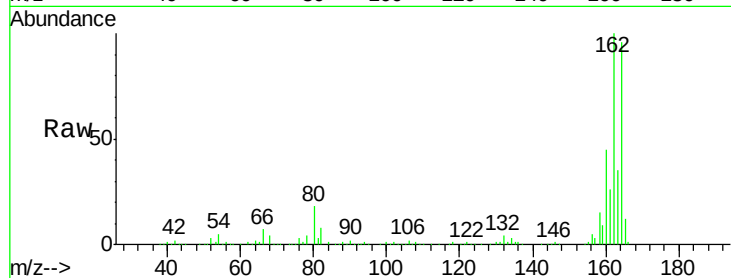




#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.26 min
 Lab File: BF093376.D
 Acq: 3 Mar 2017 23:18

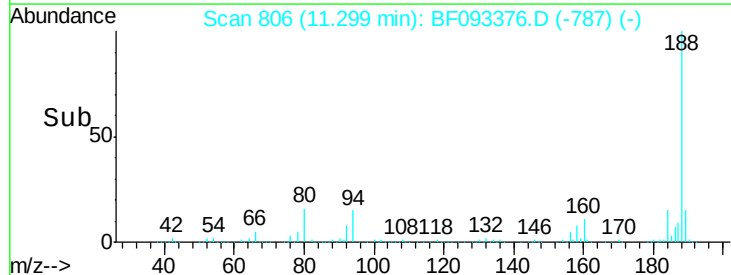
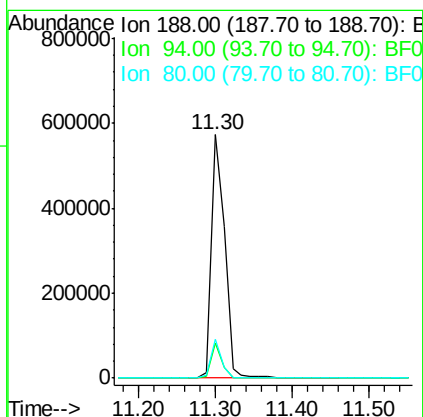
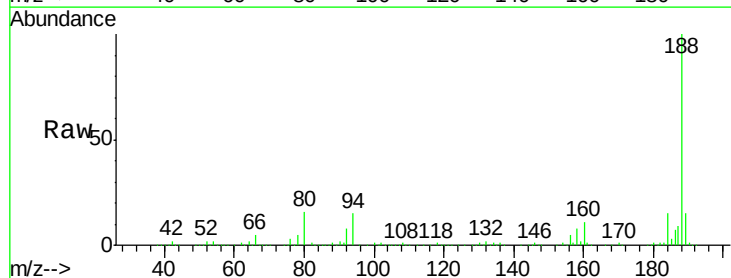
Instrument :
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 FB-20170302

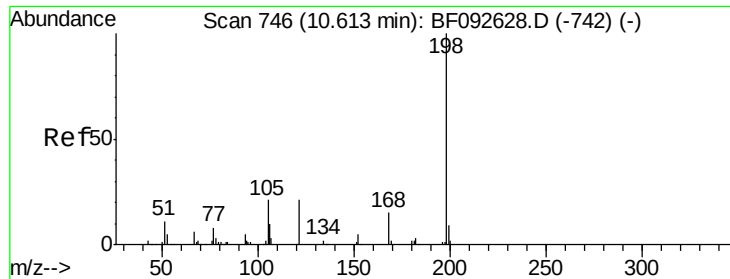
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.08 min
 Lab File: BF093376.D
 Acq: 3 Mar 2017 23:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.5	10.0	15.0
80	15.9	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 2.87 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

Instrument :

BNA_F

ClientSampleId :

FB-20170302

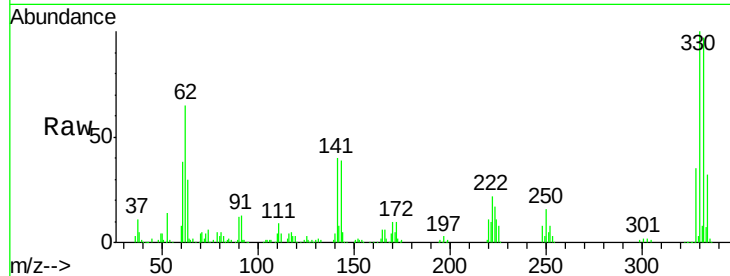
Tgt Ion:198 Resp: 887

Ion Ratio Lower Upper

198 100

51 183.0 6.7 46.7#

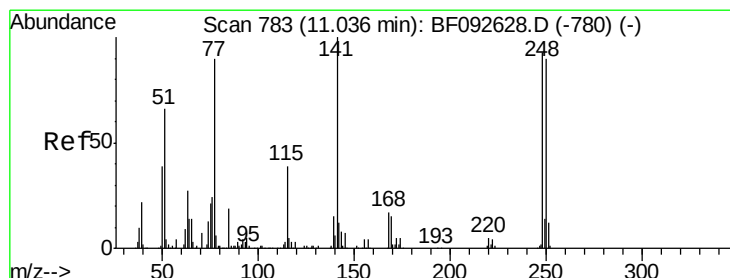
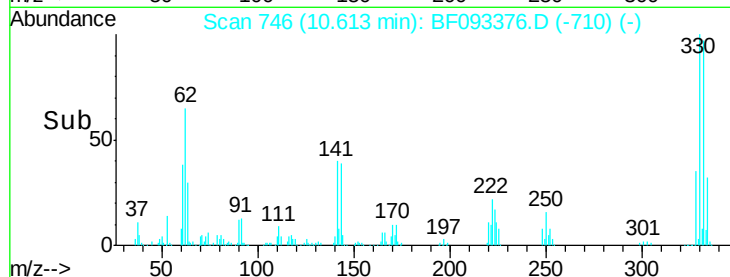
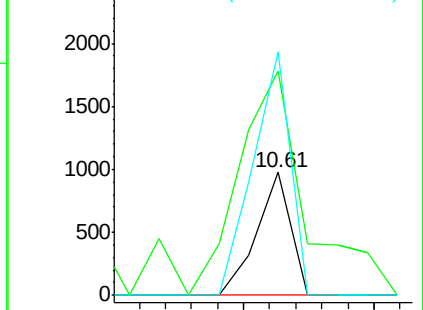
105 198.0 16.6 56.6#



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: 3.71 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.31 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

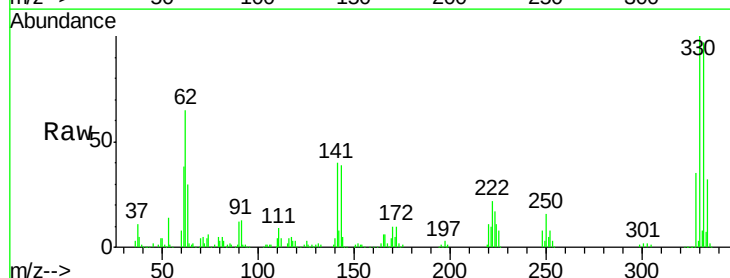
Tgt Ion:248 Resp: 26251

Ion Ratio Lower Upper

248 100

250 196.3 76.9 115.3#

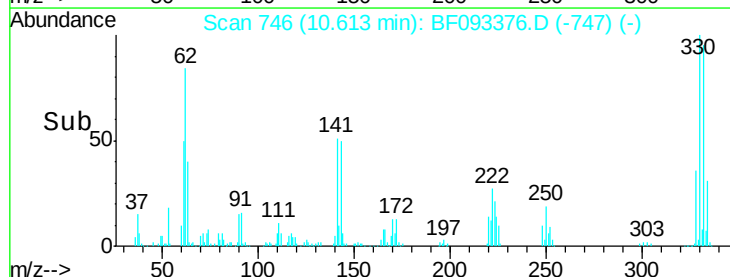
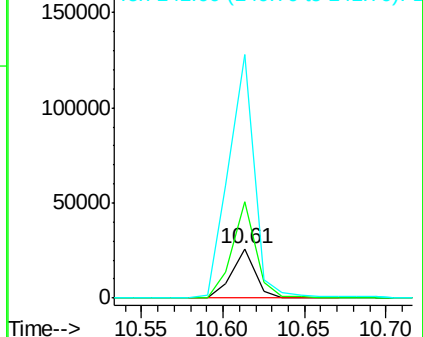
141 492.6 68.2 102.4#

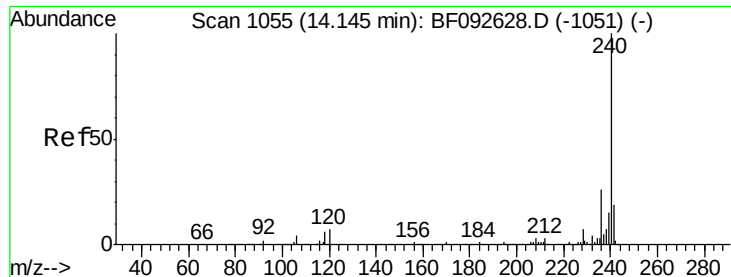


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

Instrument :

BNA_F

ClientSampleId :

FB-20170302

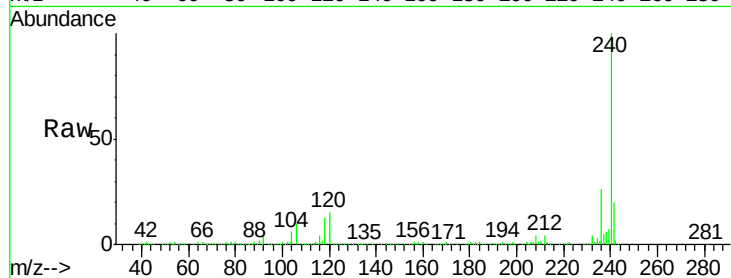
Tgt Ion:240 Resp: 522885

Ion Ratio Lower Upper

240 100

120 14.8 12.9 19.3

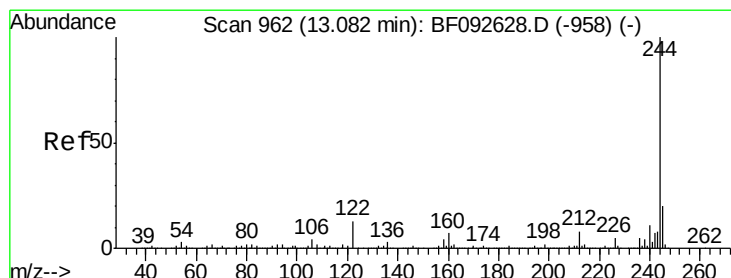
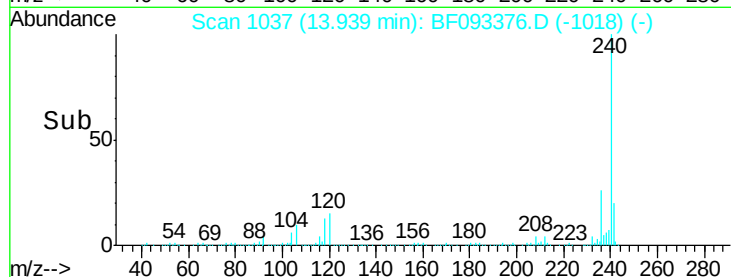
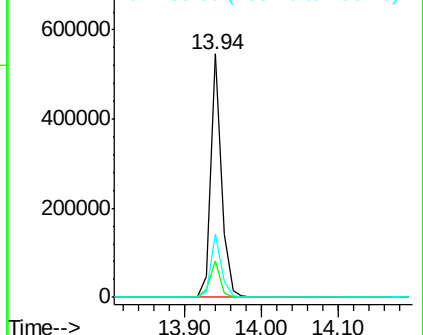
236 26.1 20.9 31.3



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: 74.05 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093376.D

Acq: 3 Mar 2017 23:18

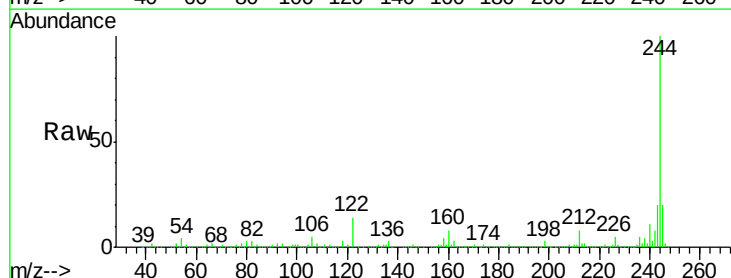
Tgt Ion:244 Resp: 1647852

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

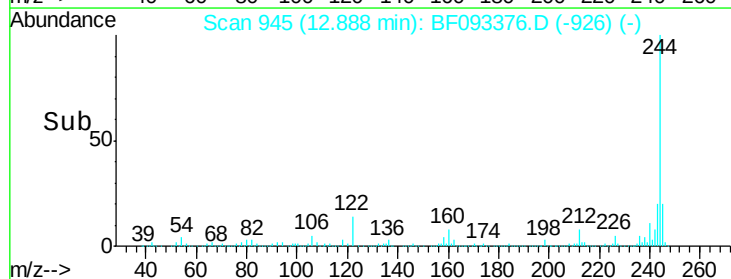
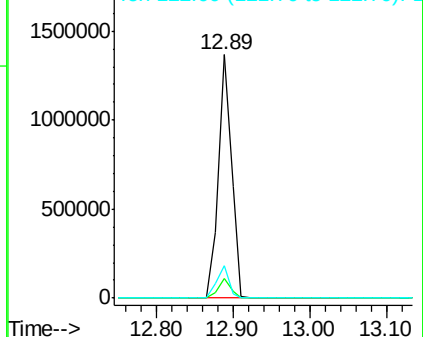
122 13.5 11.4 17.2

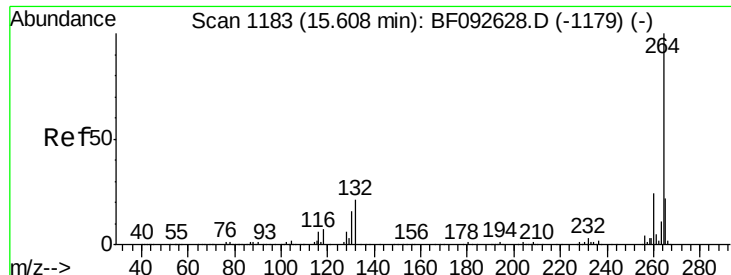


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

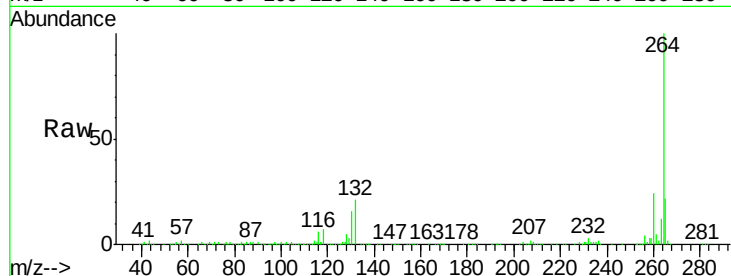




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.09 min
Lab File: BF093376.D
Acq: 3 Mar 2017 23:18

Instrument :
BNA_F
ClientSampleId :
FB-20170302

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	17.4	26.0



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

