

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\
 Data File : BF093511.D
 Acq On : 10 Mar 2017 8:39
 Operator : SJ/MA
 Sample : I2132-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 10:36:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

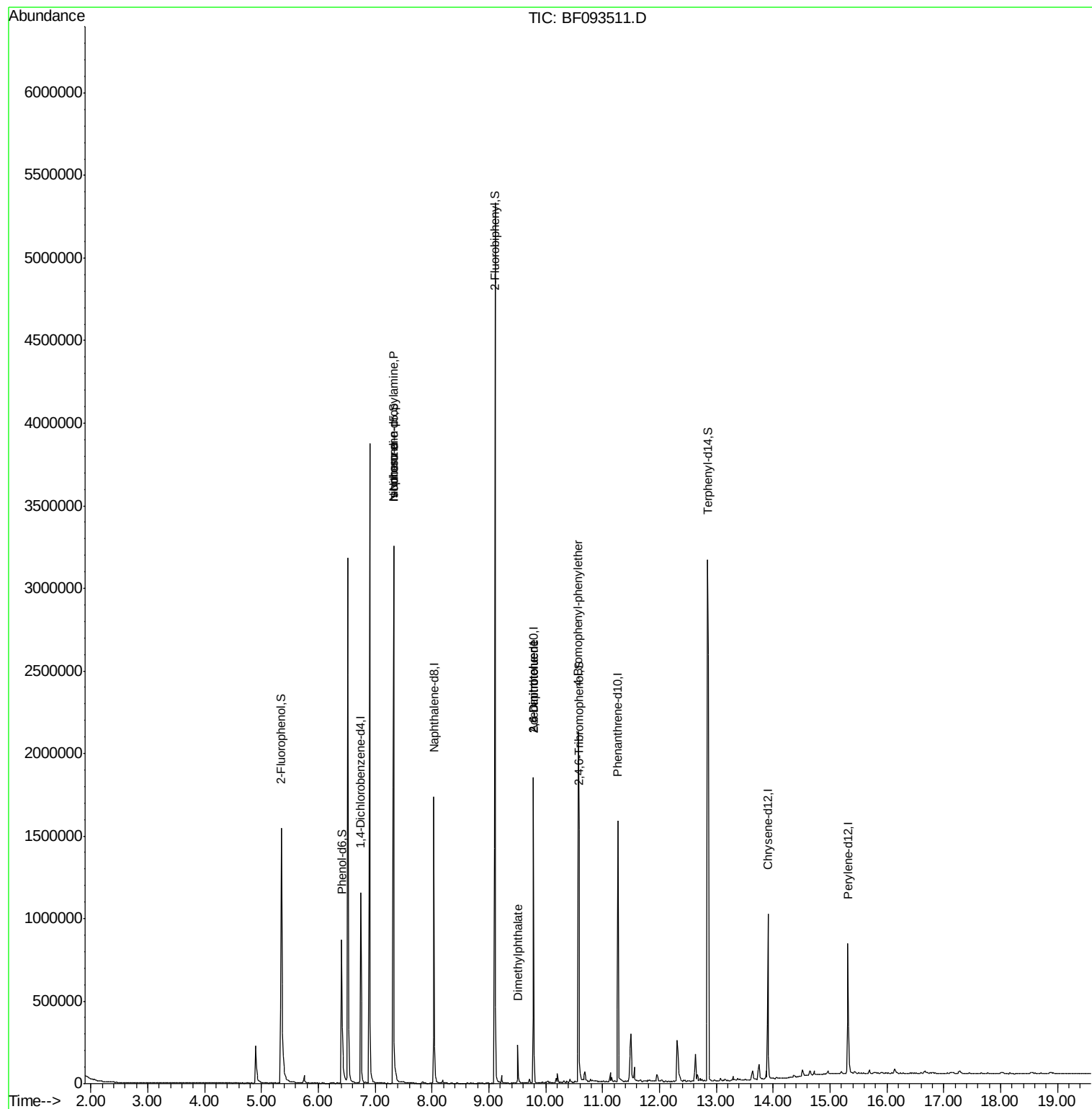
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	197414	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	762471	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	352302	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	583401	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	371309	20.00	ng	-0.01
86) Perylene-d12	15.32	264	347245	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	642272	54.15	ng	0.00
7) Phenol-d6	6.41	99	556018	37.17	ng	0.00
23) Nitrobenzene-d5	7.33	82	1302844	94.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	316055	137.70	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	1650958	87.17	ng	-0.02
78) Terphenyl-d14	12.85	244	1364563	95.55	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.41	77	997	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	175340	17.05	ng	# 76
25) Isophorone	7.33	82	1296243	46.78	ng	# 65
49) Dimethylphthalate	9.51	163	90321	3.87	ng	# 99
50) 2,6-Dinitrotoluene	9.78	165	46513	9.08	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	46505	7.39	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	23076	3.74	ng	# 1

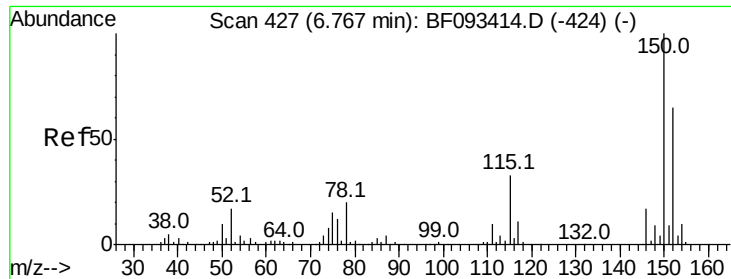
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :

BNA_F

ClientSampleId :

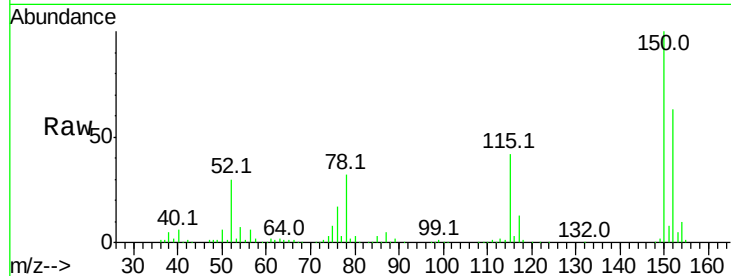
Tot Ion:152 Resp: 197414

Ion Ratio Lower Upper

152 100

150 157.8 124.9 187.3

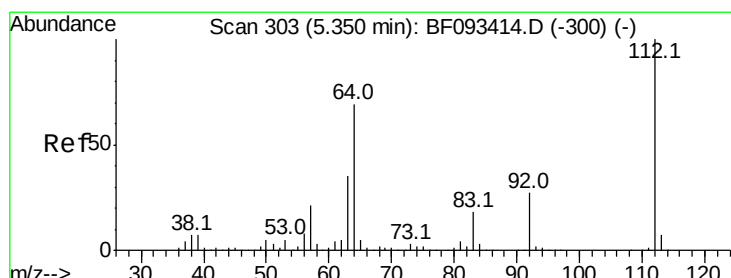
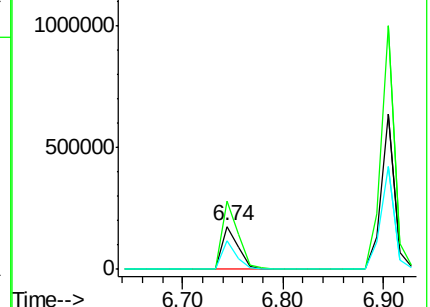
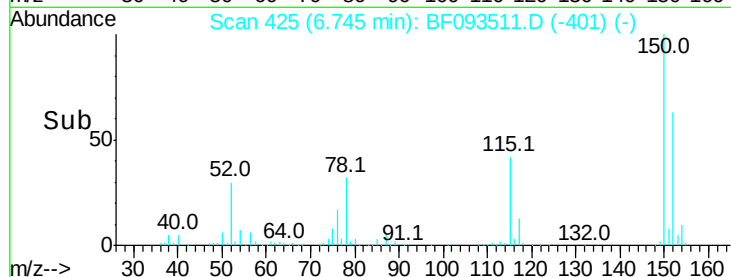
115 66.8 46.0 69.0



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: 54.15 ng

RT: 5.35 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

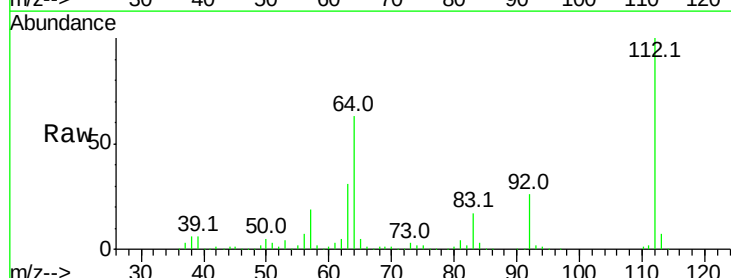
Tgt Ion:112 Resp: 642272

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

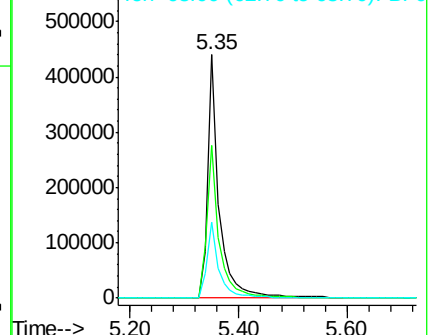
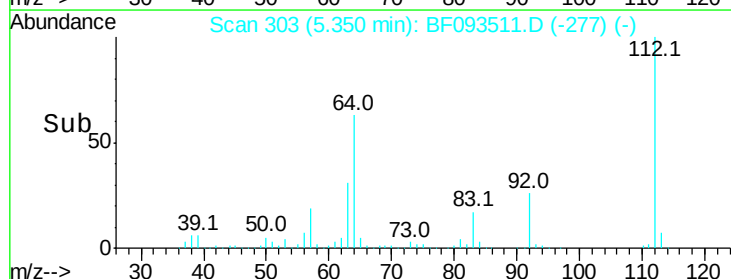
63 31.2 23.8 35.6

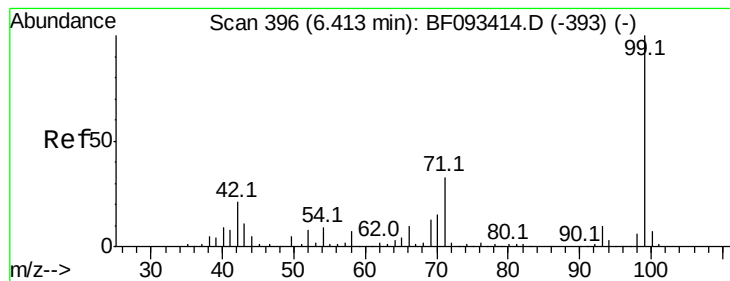


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.17 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :

BNA_F

ClientSampleId :

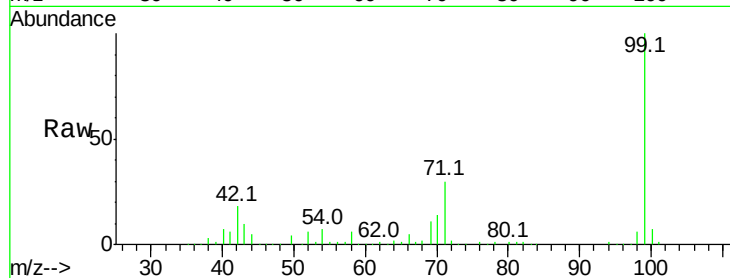
Tot Ion: 99 Resp: 556018

Ion Ratio Lower Upper

99 100

42 18.3 15.6 23.4

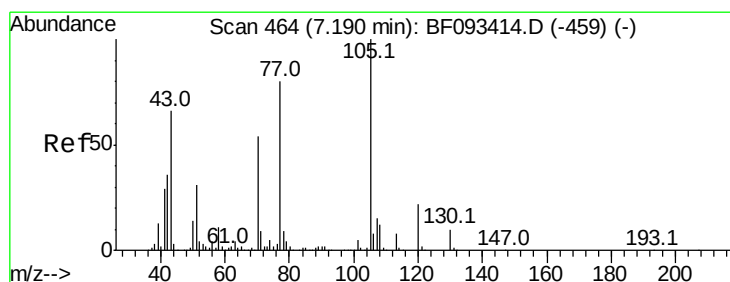
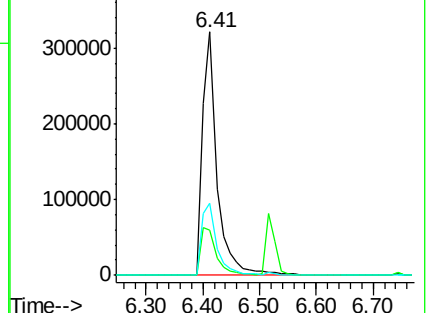
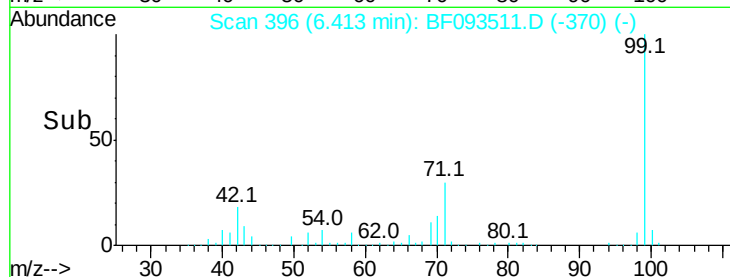
71 29.8 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.05 ng

RT: 7.33 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Tgt Ion: 70 Resp: 175340

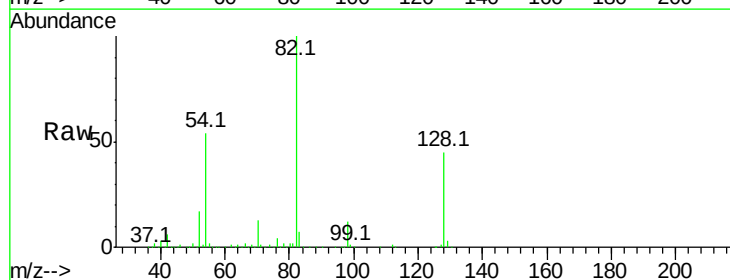
Ion Ratio Lower Upper

70 100

42 46.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

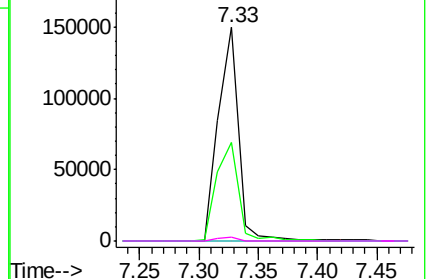
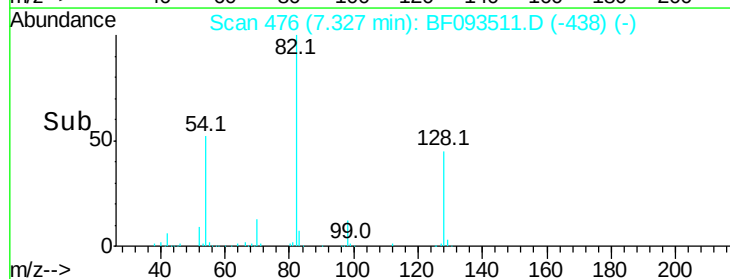


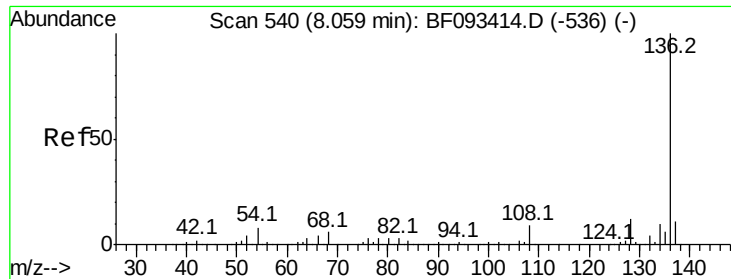
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

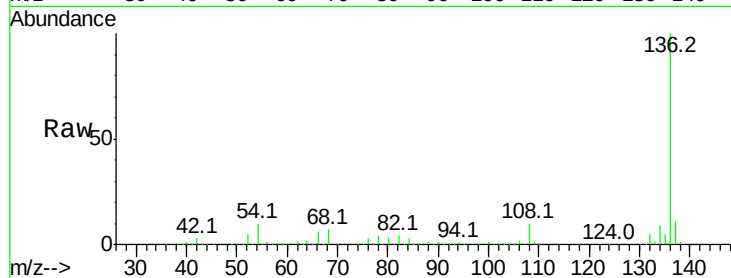




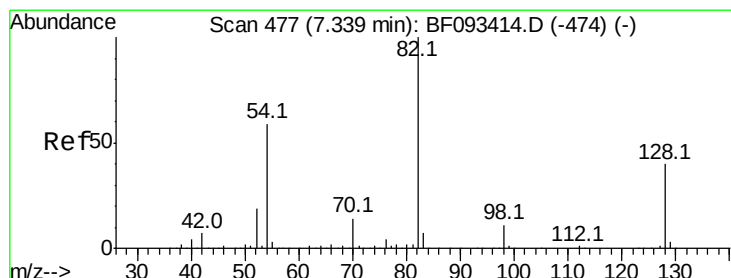
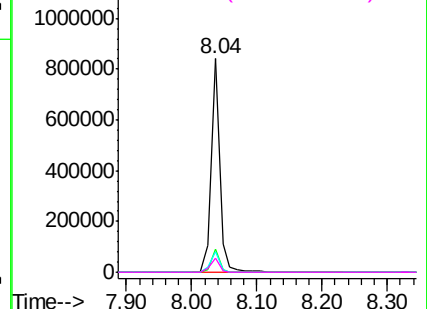
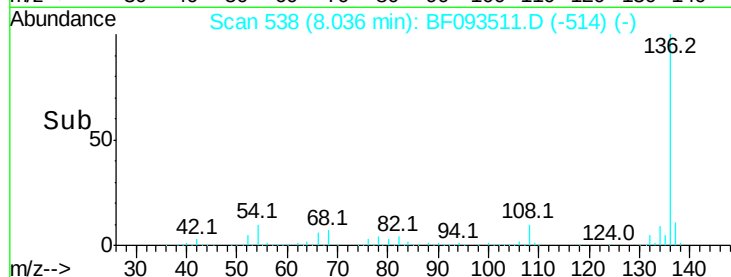
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF093511.D
Acq: 10 Mar 2017 8:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	762471
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.6	4.5	6.7#
68	6.8	3.6	5.4#

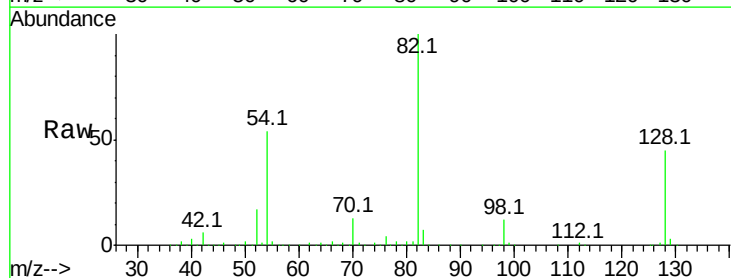


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

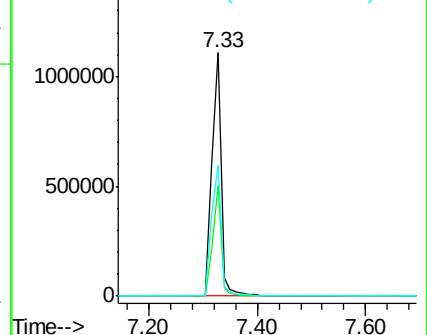
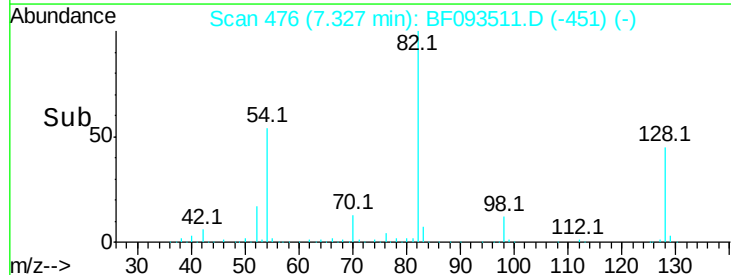


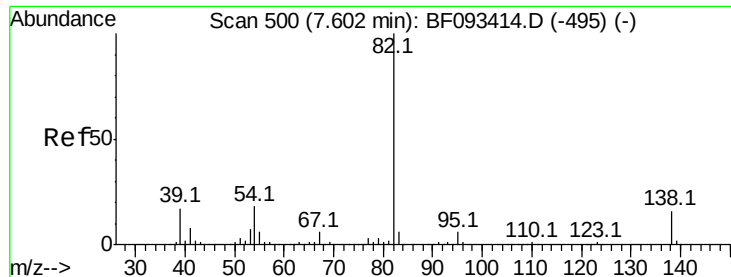
#23
Nitrobenzene-d5
Concen: 94.81 ng
RT: 7.33 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF093511.D
Acq: 10 Mar 2017 8:39

Tgt Ion:	82	Resp:	1302844
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	52.0
54	54.0	39.5	59.3



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: 46.78 ng

RT: 7.33 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :

BNA_F

ClientSampled :

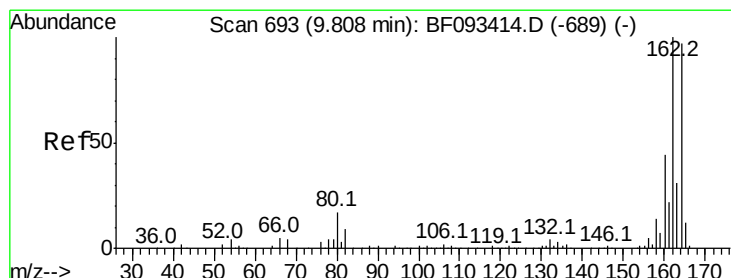
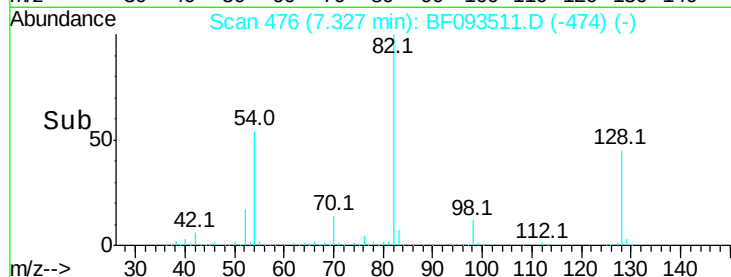
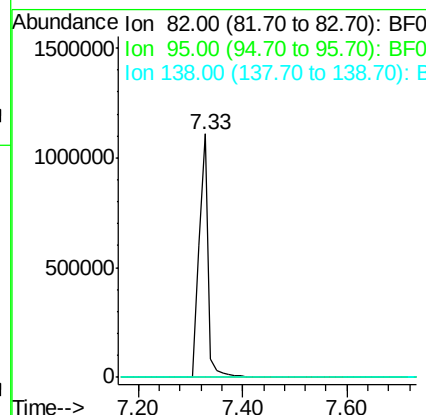
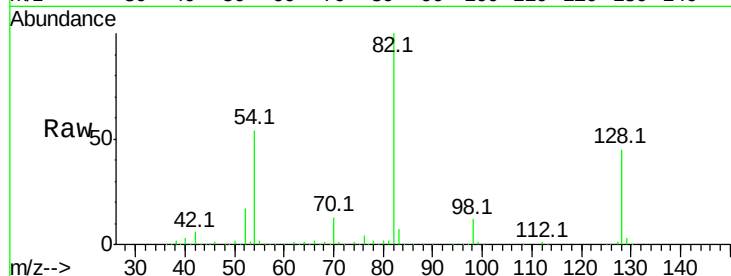
Tot Ion: 82 Resp: 1296243

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

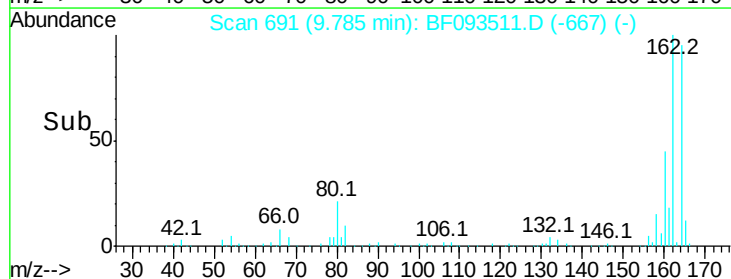
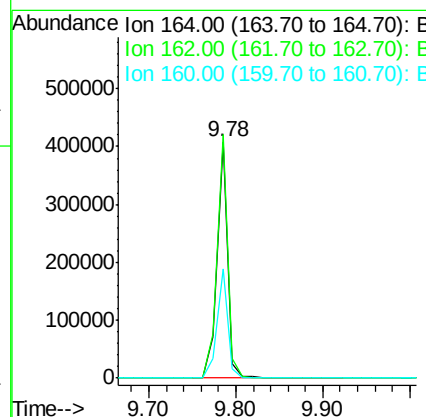
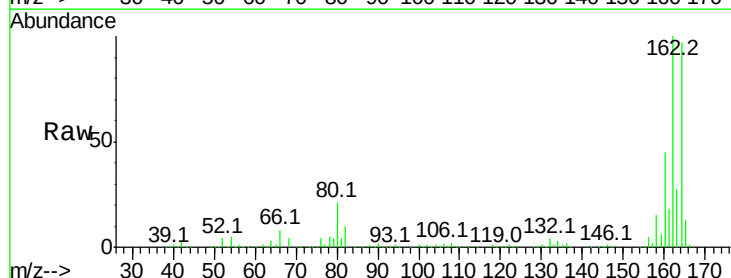
Tgt Ion: 164 Resp: 352302

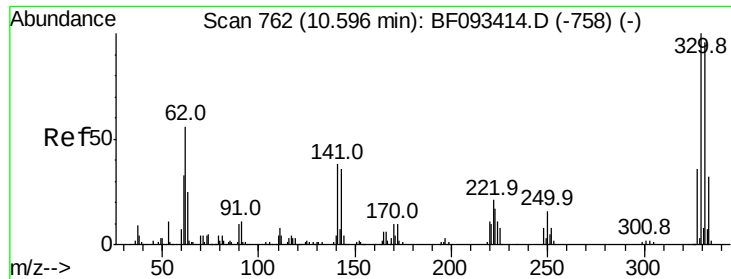
Ion Ratio Lower Upper

164 100

162 102.9 80.2 120.2

160 46.0 36.9 55.3

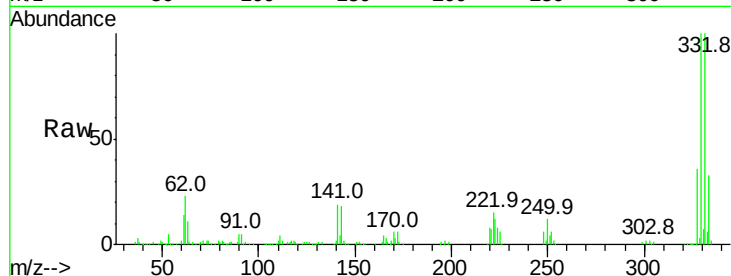




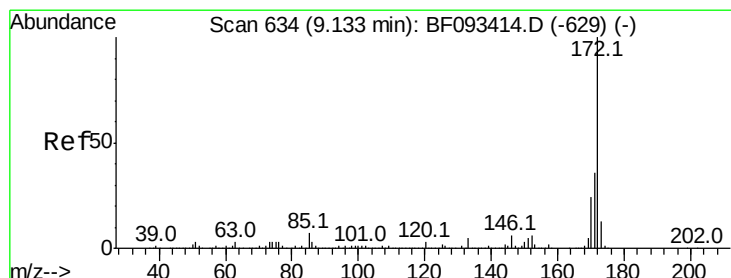
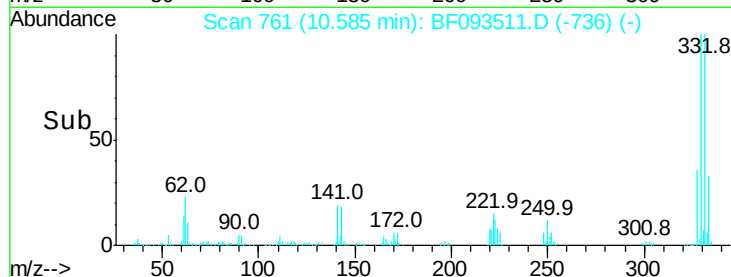
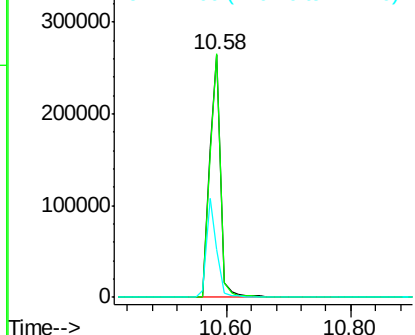
#41
 2,4,6-Tribromophenol
 Concen: 137.70 ng
 RT: 10.58 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF093511.D
 Acq: 10 Mar 2017 8:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.4	116.2
141	38.7	34.1	51.1

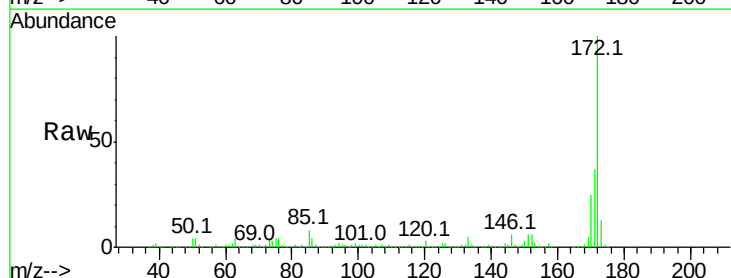


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

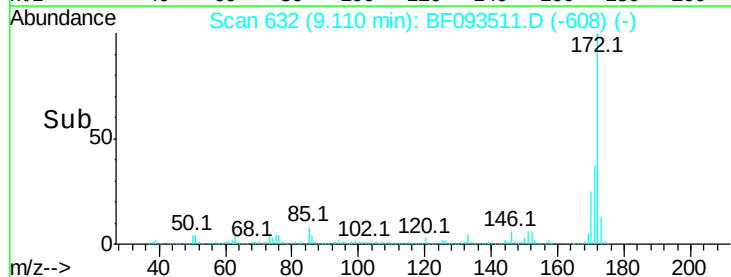
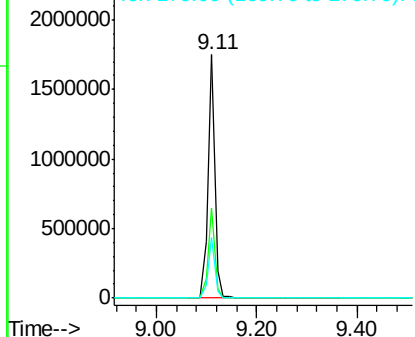


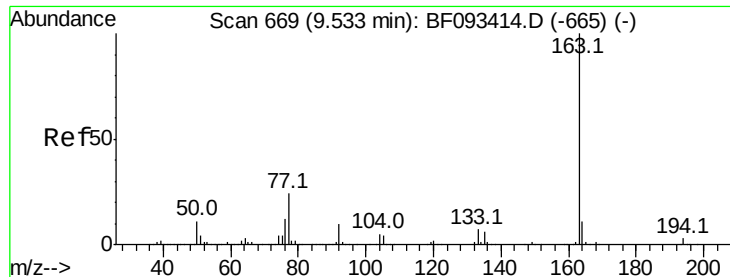
#44
 2-Fluorobiphenyl
 Concen: 87.17 ng
 RT: 9.11 min Scan# 632
 Delta R.T. -0.02 min
 Lab File: BF093511.D
 Acq: 10 Mar 2017 8:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	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





#49

Dimethylphthalate

Concen: 3.87 ng

RT: 9.51 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :

BNA_F

ClientSampled :

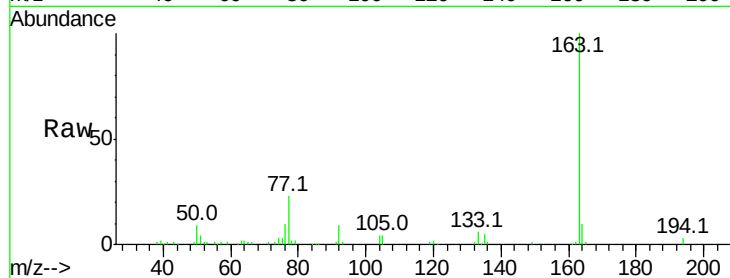
Tot Ion:163 Resp: 90321

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

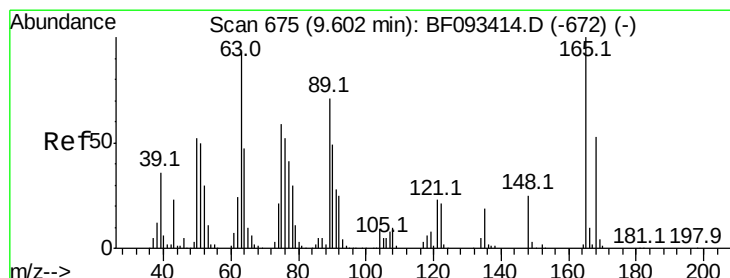
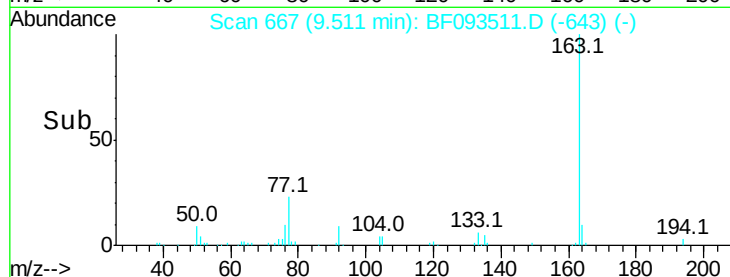
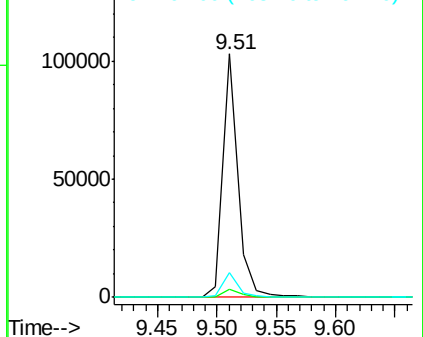
164 10.3 8.0 12.0



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: 9.08 ng

RT: 9.78 min Scan# 691

Delta R.T. 0.18 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

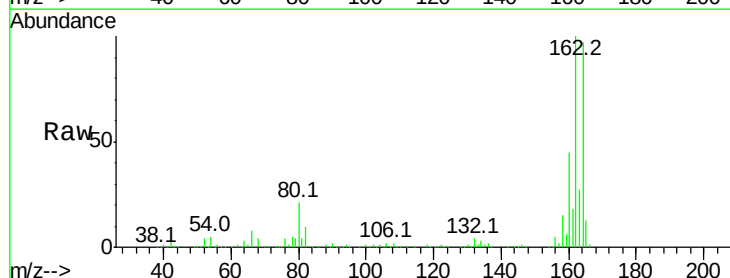
Tgt Ion:165 Resp: 46513

Ion Ratio Lower Upper

165 100

63 1.7 36.2 54.4#

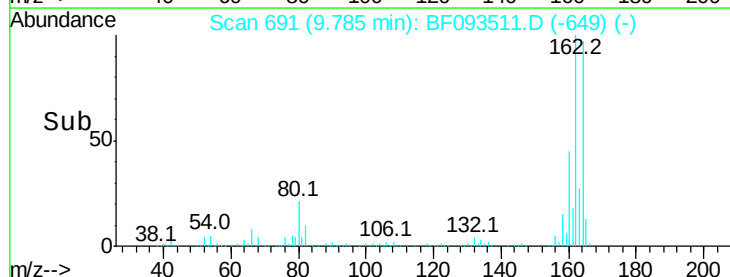
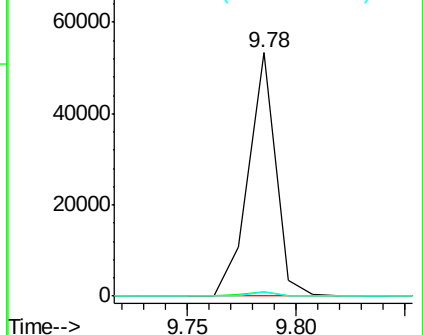
89 1.6 40.2 60.4#

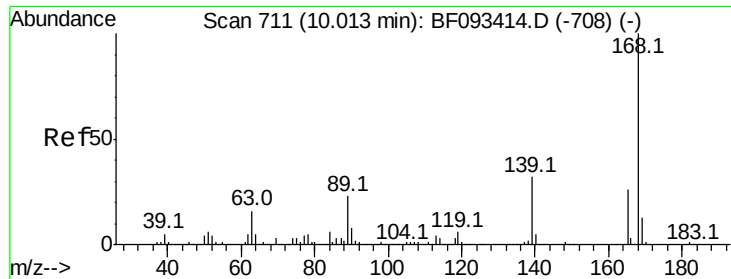


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

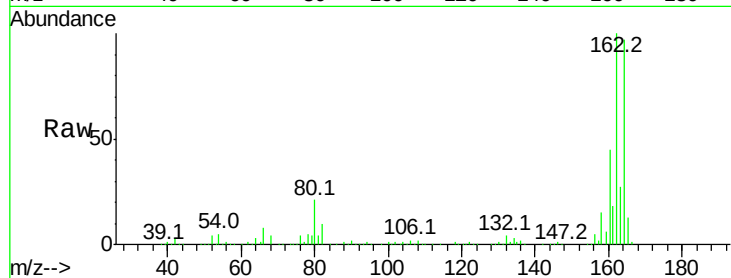




#56
 2,4-Dinitrotoluene
 Concen: 7.39 ng
 RT: 9.78 min Scan# 691
 Delta R.T. -0.23 min
 Lab File: BF093511.D
 Acq: 10 Mar 2017 8:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#

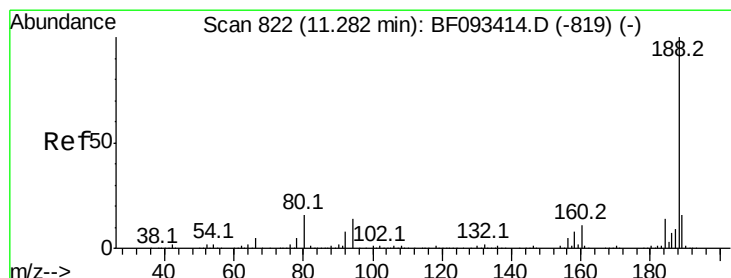
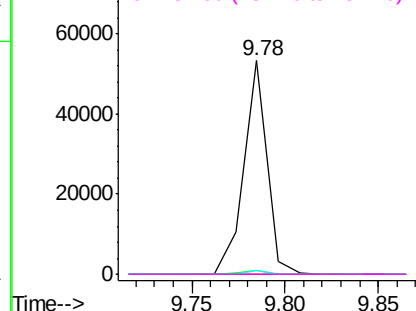
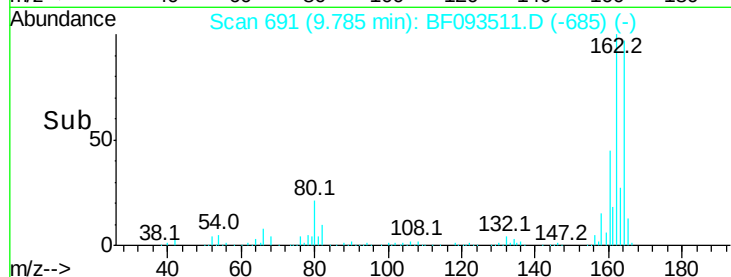


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

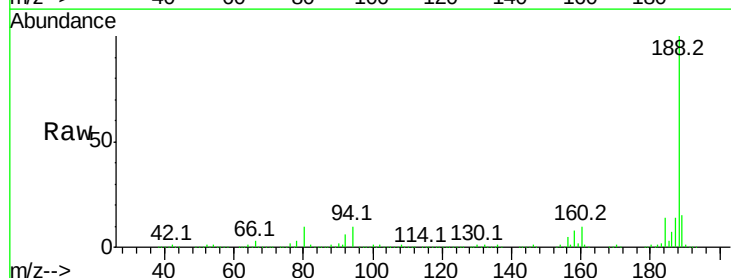
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF093511.D
 Acq: 10 Mar 2017 8:39

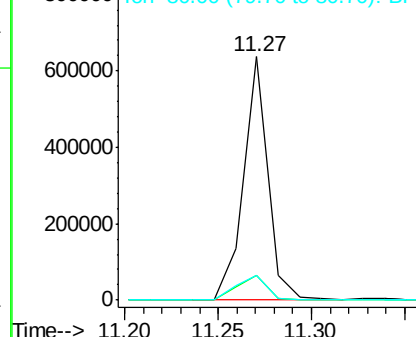
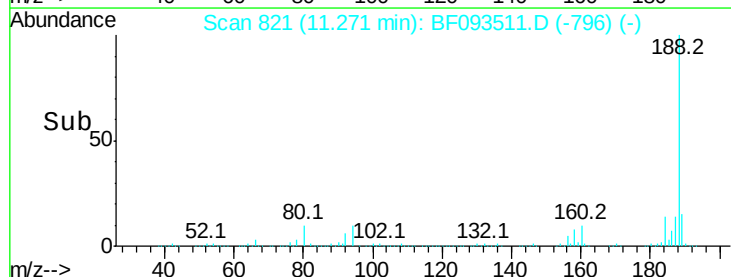
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	10.0	15.0
80	10.1	11.2	16.8#

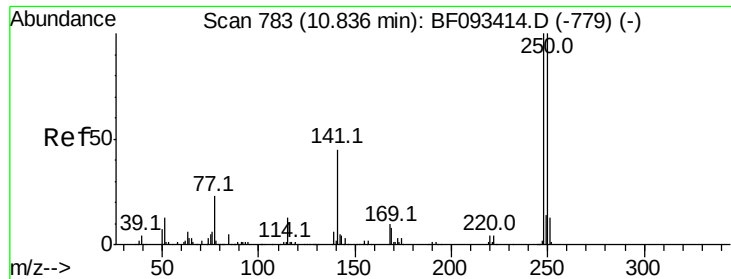


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.74 ng

RT: 10.57 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :

BNA_F

ClientSampleId :

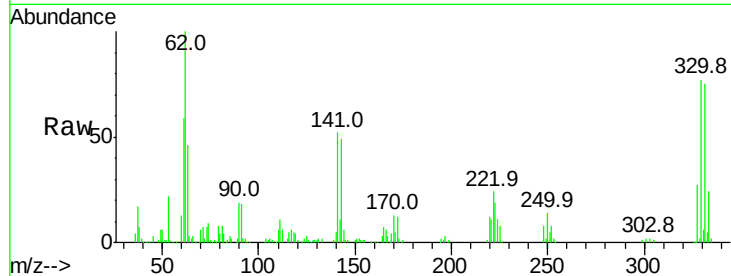
Tot Ion:248 Resp: 23076

Ion Ratio Lower Upper

248 100

250 187.9 76.9 115.3#

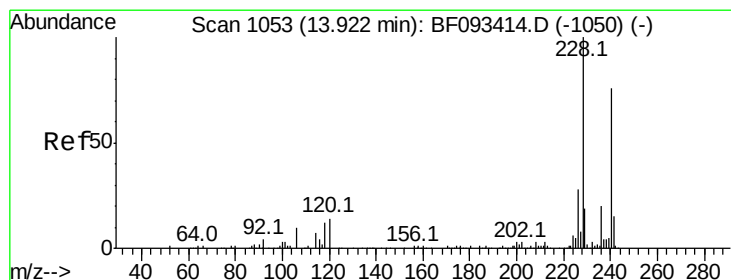
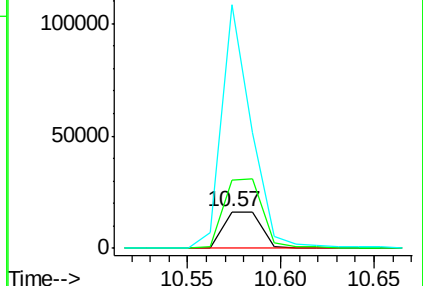
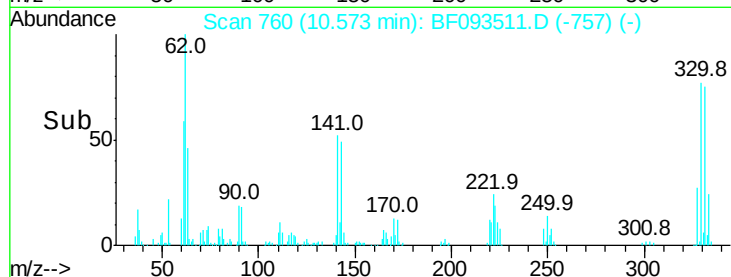
141 670.7 68.2 102.4#



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: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

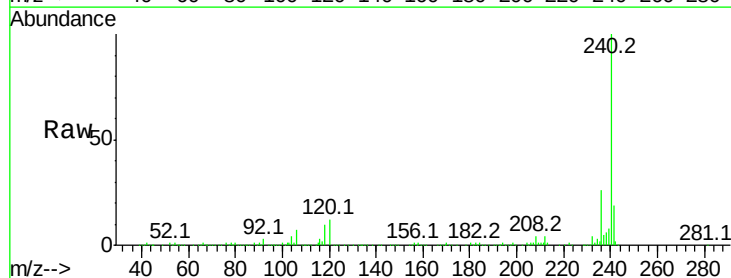
Tgt Ion:240 Resp: 371309

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

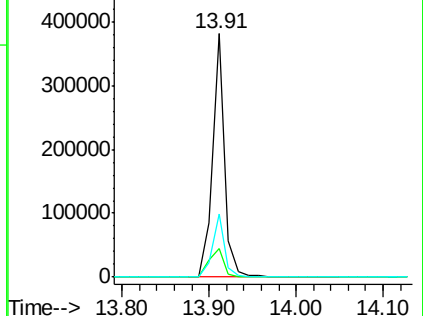
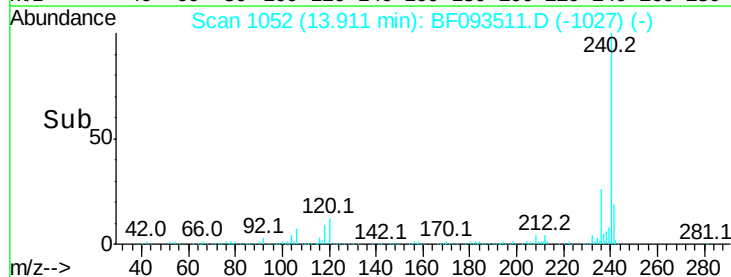
236 26.2 20.9 31.3

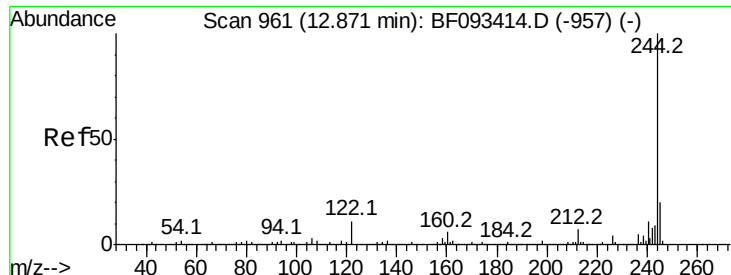


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.55 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

Instrument :
BNA_F
ClientSampleId :

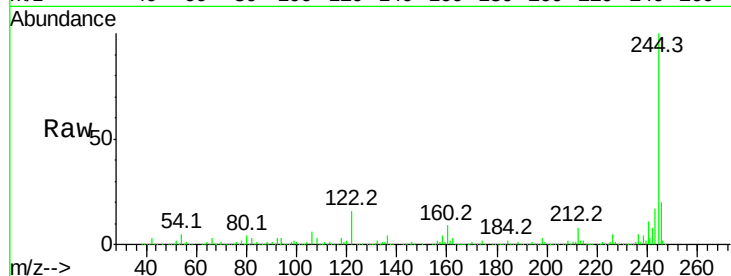
Tot Ion:244 Resp: 1364563

Ion Ratio Lower Upper

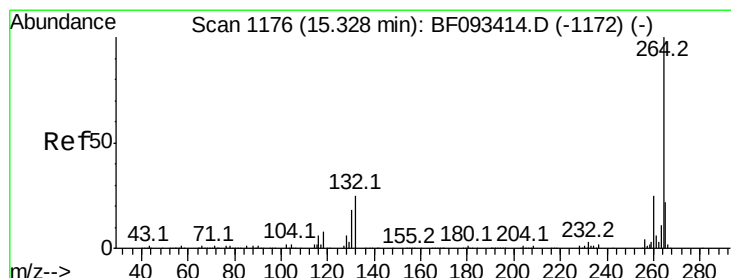
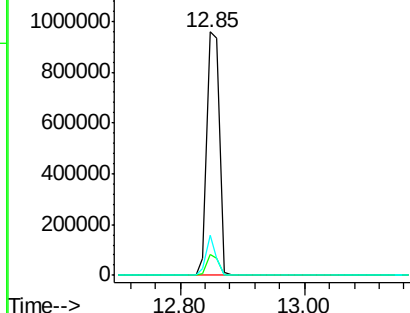
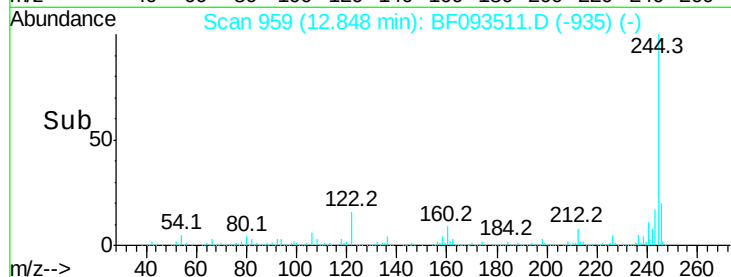
244 100

212 8.4 6.2 9.2

122 16.4 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: 15.32 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF093511.D

Acq: 10 Mar 2017 8:39

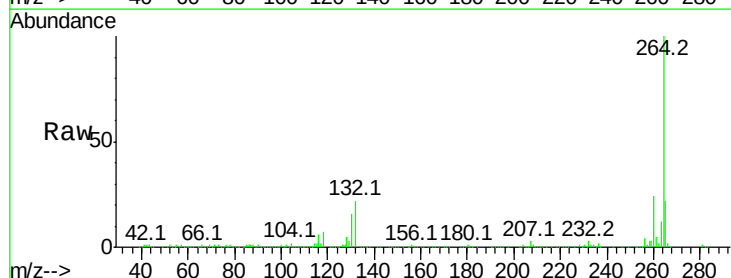
Tgt Ion:264 Resp: 347245

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.9 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

