

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093711.D
 Acq On : 16 Mar 2017 17:35
 Operator : SJ/MA
 Sample : PB97641TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97641TB

Quant Time: Mar 17 00:55:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

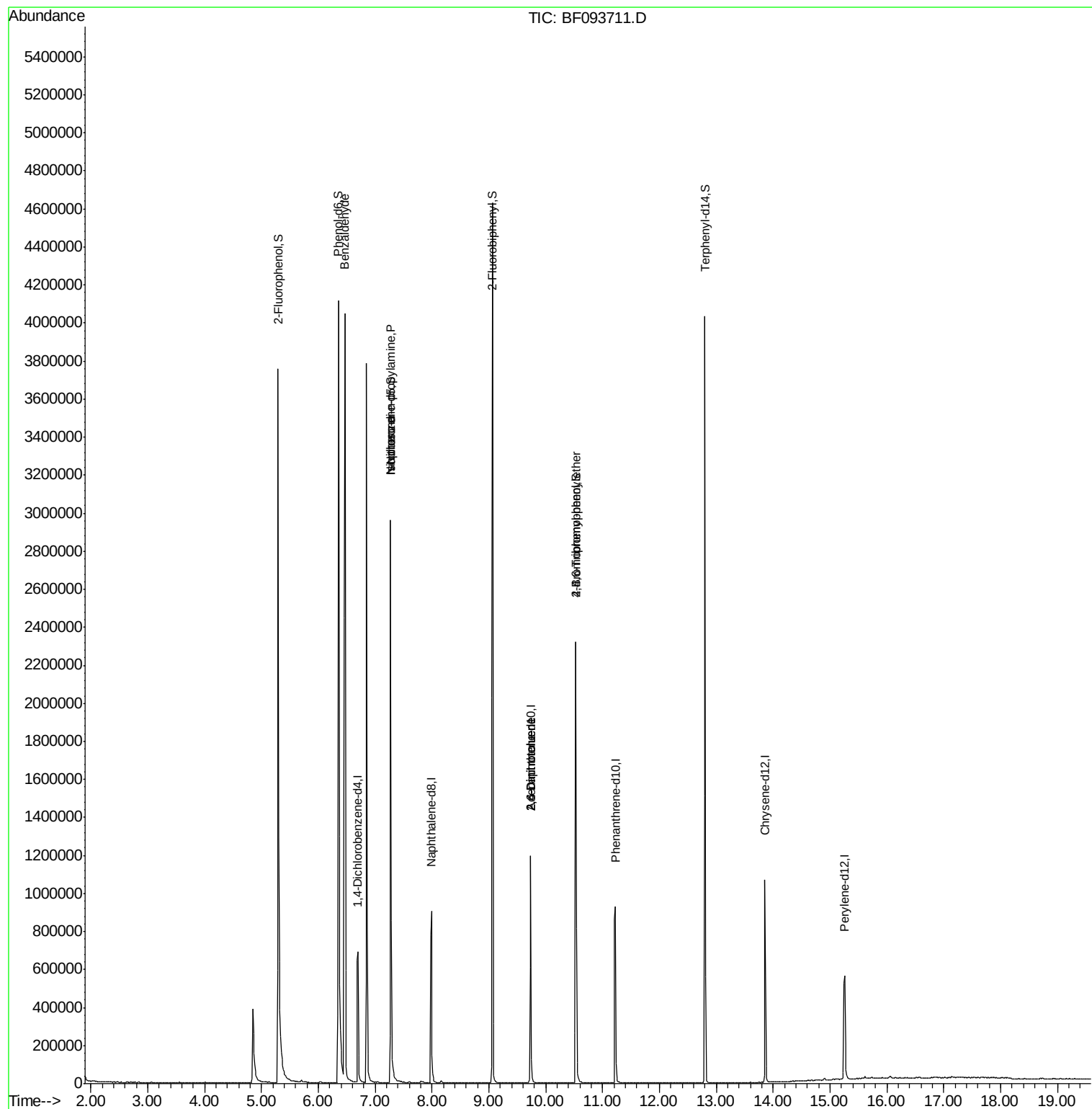
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	163730	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	635659	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	287976	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	539597	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	456552	20.00	ng	-0.03
86) Perylene-d12	15.26	264	335527	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1415268	143.86	ng	-0.02
7) Phenol-d6	6.36	99	1698384	136.91	ng	-0.02
23) Nitrobenzene-d5	7.27	82	1076903	94.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	299644	159.71	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1654765	106.88	ng	-0.02
78) Terphenyl-d14	12.80	244	1374479	78.27	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.47	77	31499	2.64	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	7.27	70	146119	17.13	ng	# 82
25) Isophorone	7.27	82	1019189	44.12	ng	# 65
50) 2,6-Dinitrotoluene	9.74	165	34991	8.35	ng	# 31
56) 2,4-Dinitrotoluene	9.74	165	34991	6.80	ng	# 20
66) 4-Bromophenyl-phenylether	10.53	248	20492	3.59	ng	# 1

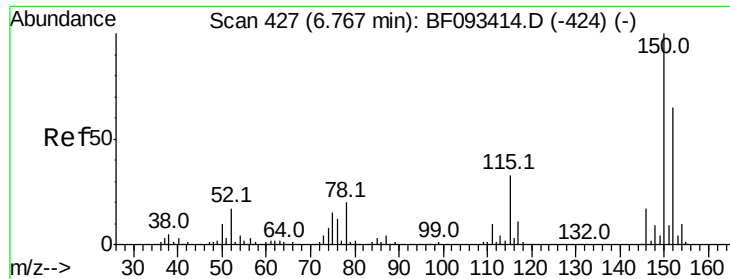
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 421

Delta R.T. -0.02 min

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ClientSampleId :

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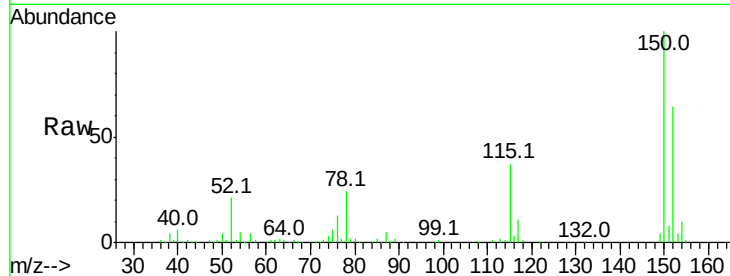
Tot Ion:152 Resp: 163730

Ion Ratio Lower Upper

152 100

150 155.7 124.9 187.3

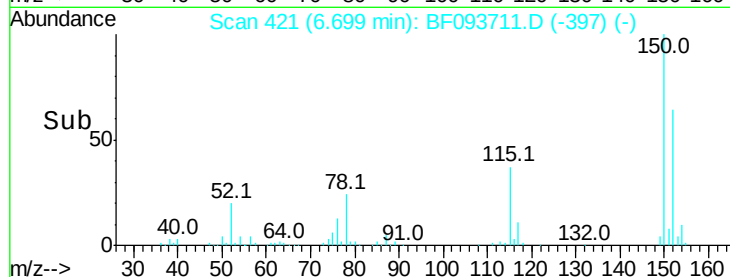
115 57.0 46.0 69.0



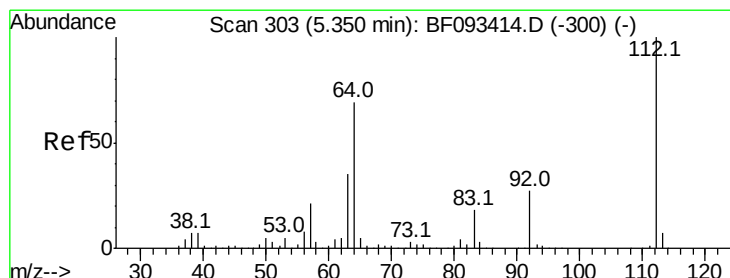
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 143.86 ng

RT: 5.29 min Scan# 298

Delta R.T. -0.02 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

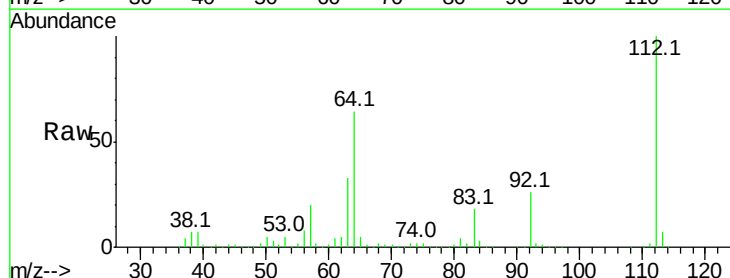
Tgt Ion:112 Resp: 1415268

Ion Ratio Lower Upper

112 100

64 64.2 46.1 69.1

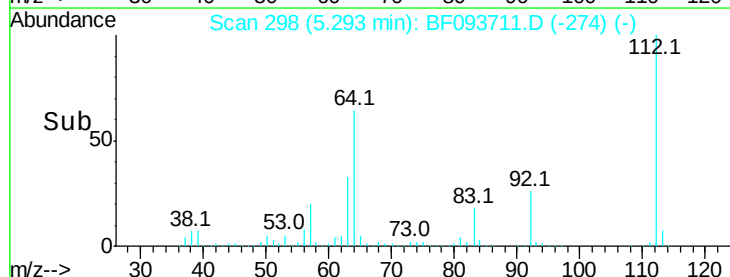
63 32.8 23.8 35.6



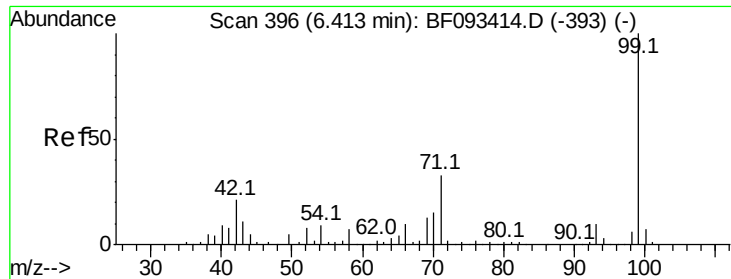
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 136.91 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

ClientSampleId :

PB97641TB

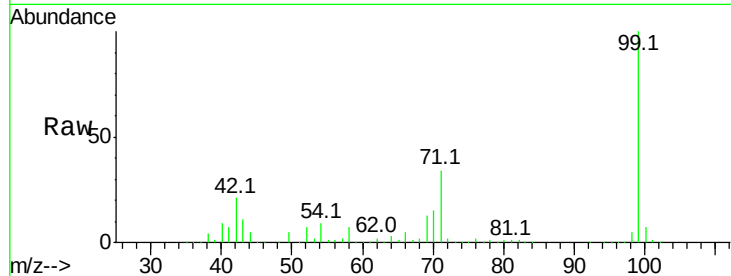
Tot Ion: 99 Resp: 1698384

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

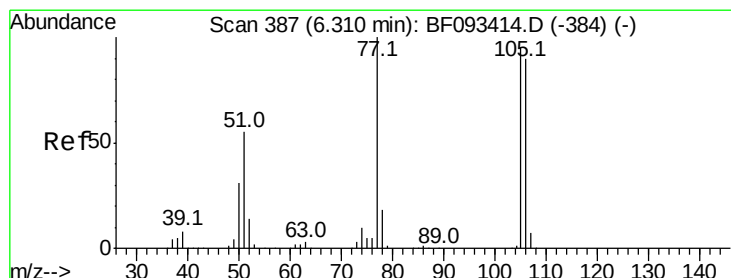
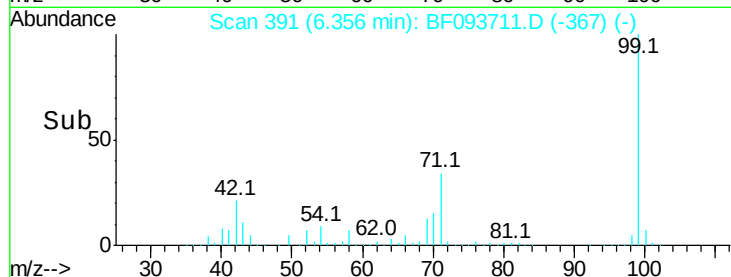
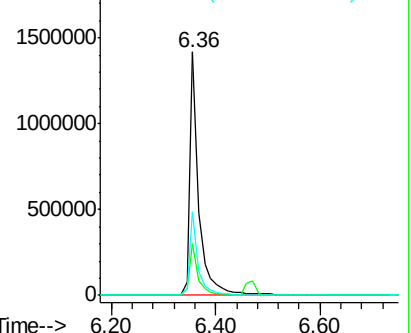
71 34.4 27.5 41.3



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: 2.64 ng

RT: 6.47 min Scan# 401

Delta R.T. 0.19 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

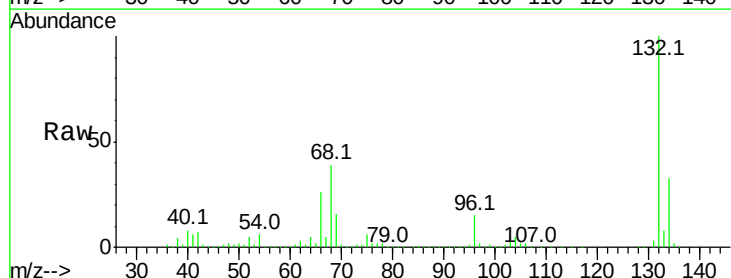
Tgt Ion: 77 Resp: 31499

Ion Ratio Lower Upper

77 100

105 84.0 83.9 123.9

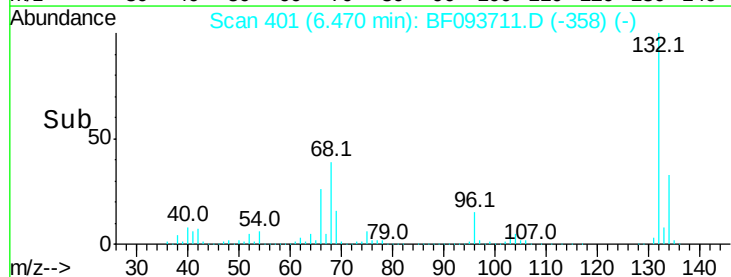
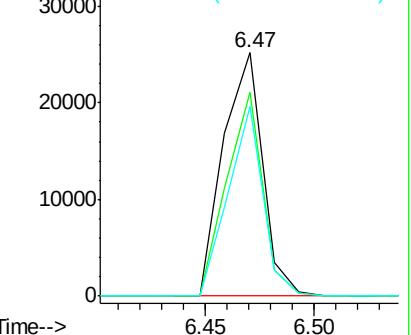
106 77.8 77.6 117.6

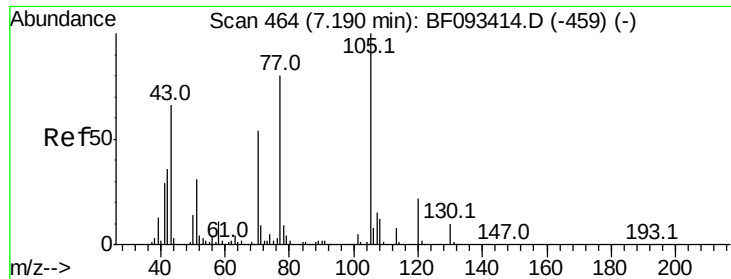


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 17.13 ng

RT: 7.27 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

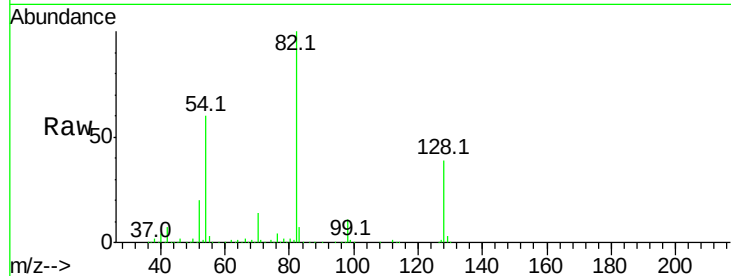
ClientSampleId :

PB97641TB

Tot Ion: 70 Resp: 146119

Ion Ratio Lower Upper

70	100		
42	52.8	49.4	74.0
101	0.0	7.4	11.2#
130	1.9	14.2	21.4#

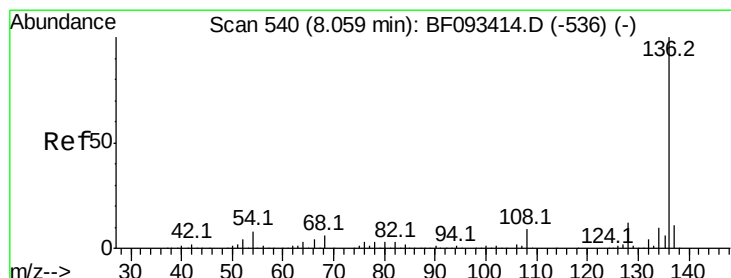
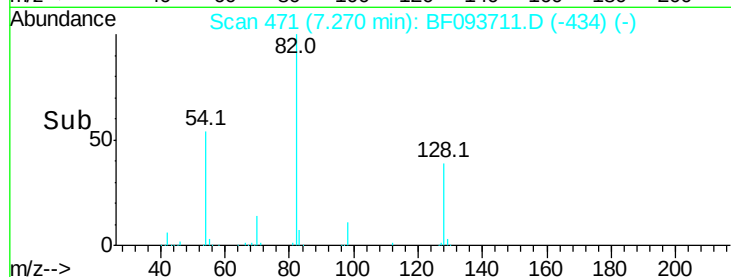
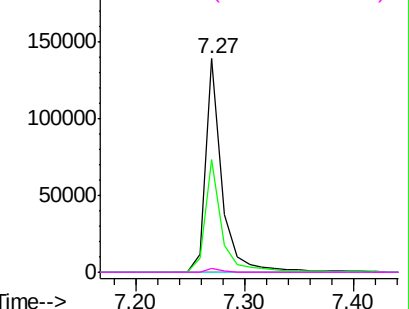


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 534

Delta R.T. -0.02 min

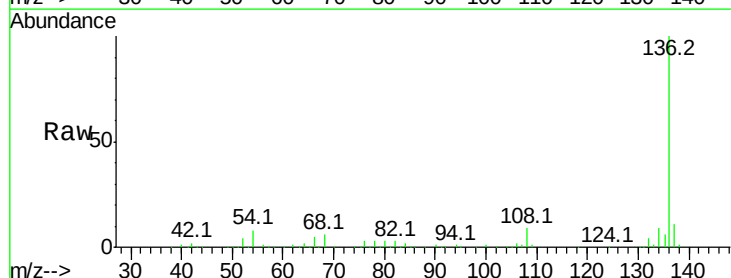
Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Tgt Ion:136 Resp: 635659

Ion Ratio Lower Upper

136	100		
137	10.7	8.4	12.6
54	8.1	4.5	6.7#
68	5.9	3.6	5.4#

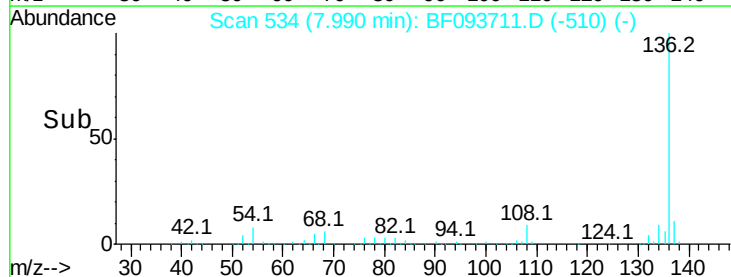
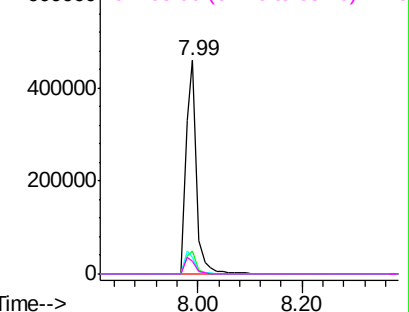


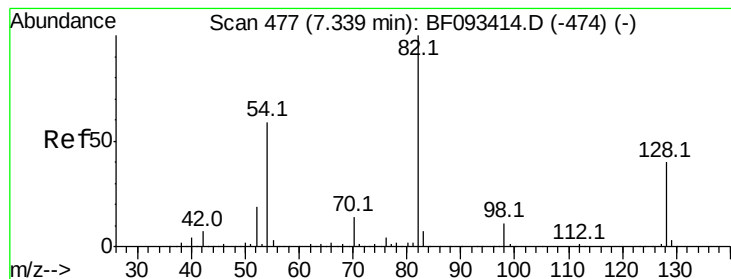
Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.00 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

ClientSampleId :

PB97641TB

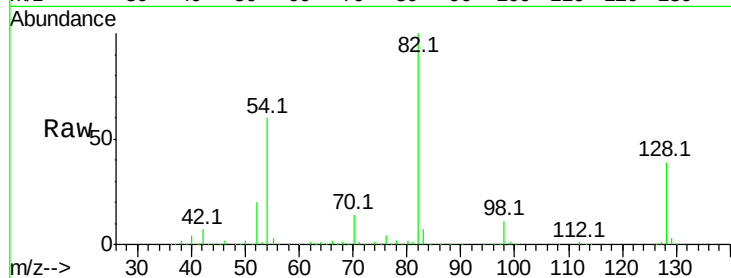
Tot Ion: 82 Resp: 1076903

Ion Ratio Lower Upper

82 100

128 38.9 34.6 52.0

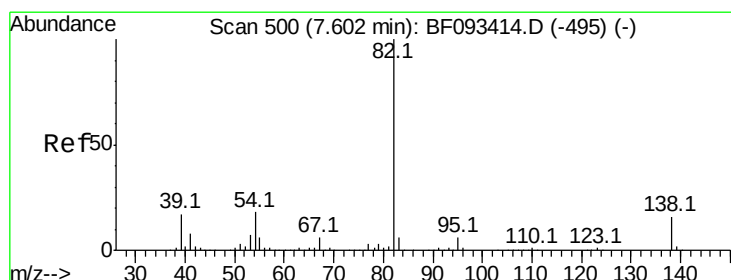
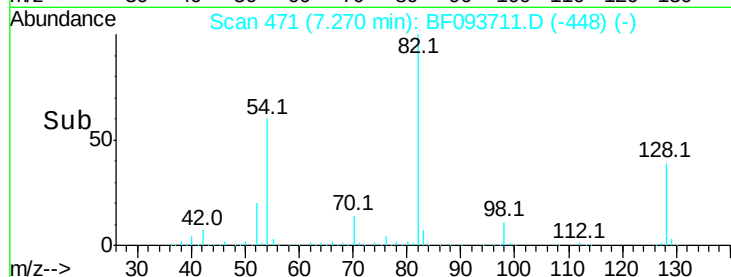
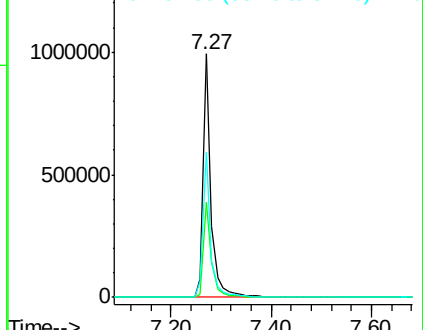
54 59.8 39.5 59.3#



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: 44.12 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.29 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

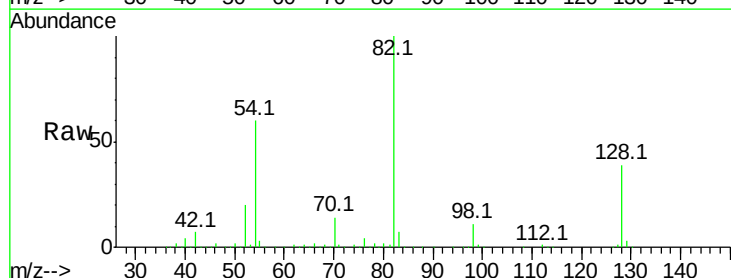
Tgt Ion: 82 Resp: 1019189

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

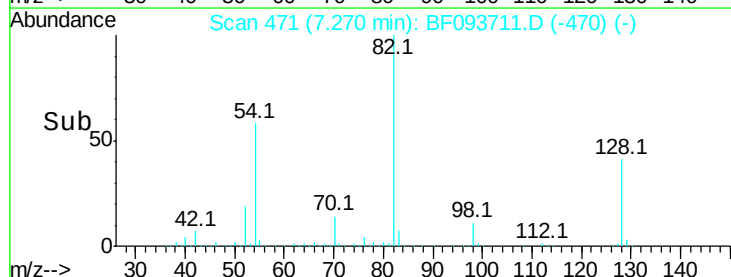
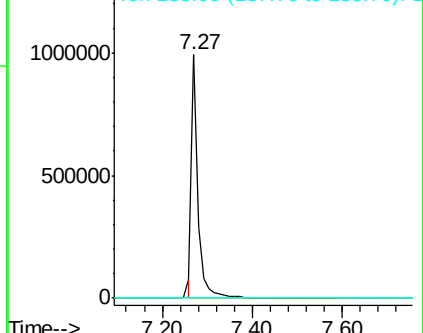
138 0.0 14.6 22.0#

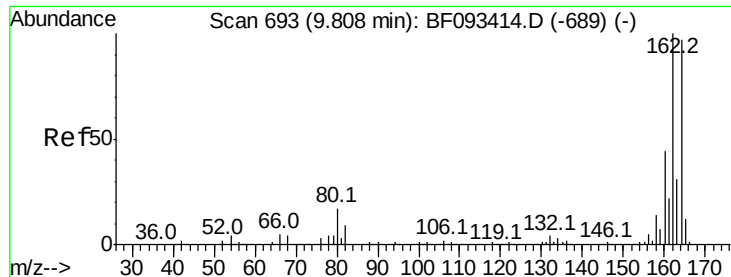


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

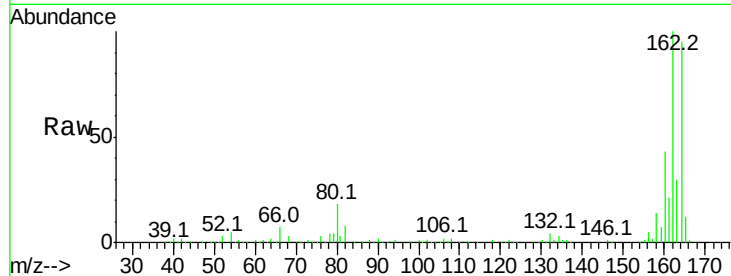




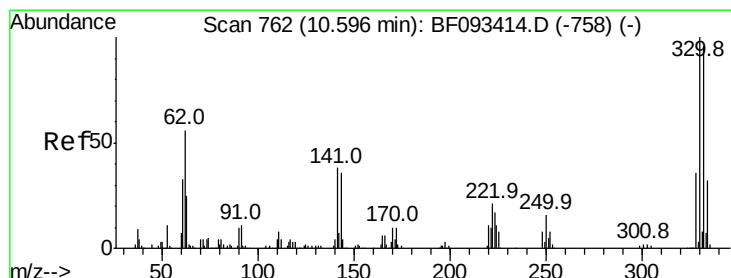
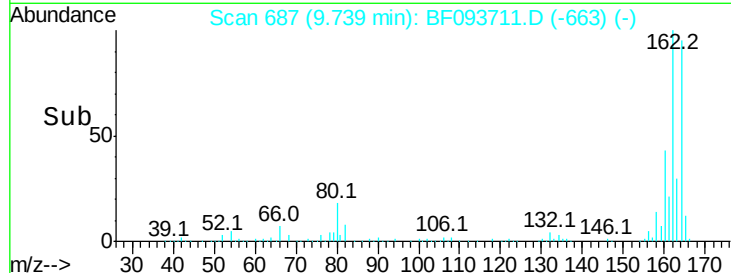
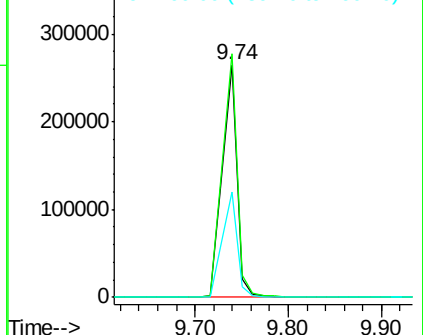
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF093711.D
 Acq: 16 Mar 2017 17:35

Instrument :
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 PB97641TB

Tot Ion:164 Resp: 287976
 Ion Ratio Lower Upper
 164 100
 162 104.8 80.2 120.2
 160 45.5 36.9 55.3

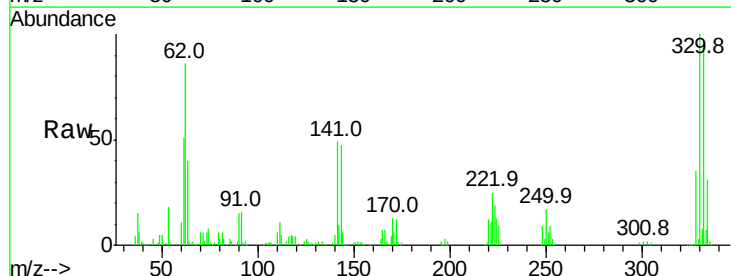


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

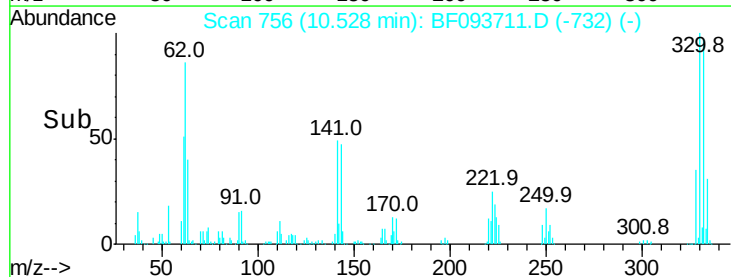
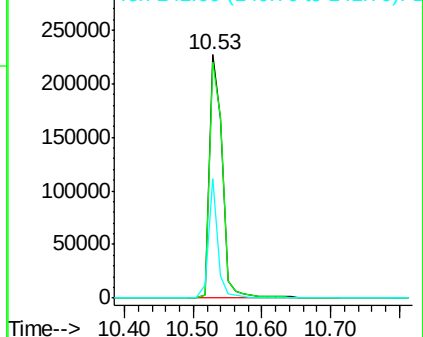


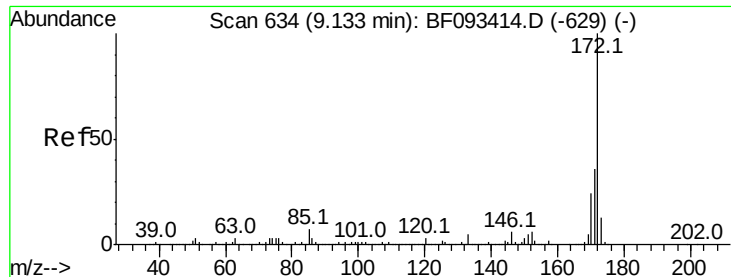
#41
 2,4,6-Tribromophenol
 Concen: 159.71 ng
 RT: 10.53 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF093711.D
 Acq: 16 Mar 2017 17:35

Tgt Ion:330 Resp: 299644
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.4 116.2
 141 35.6 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: 106.88 ng

RT: 9.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

ClientSampleId :

PB97641TB

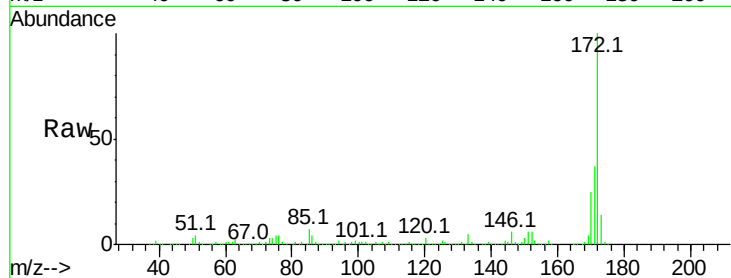
Tot Ion:172 Resp: 1654765

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

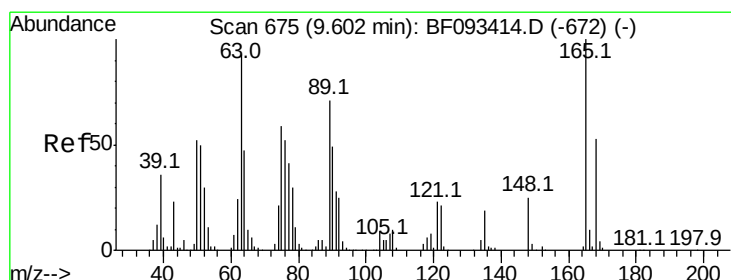
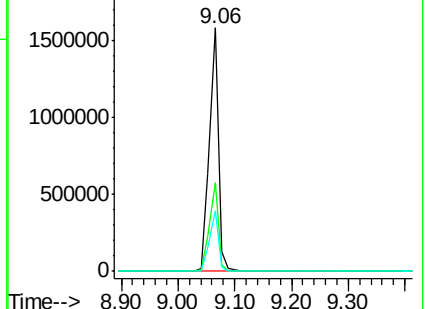
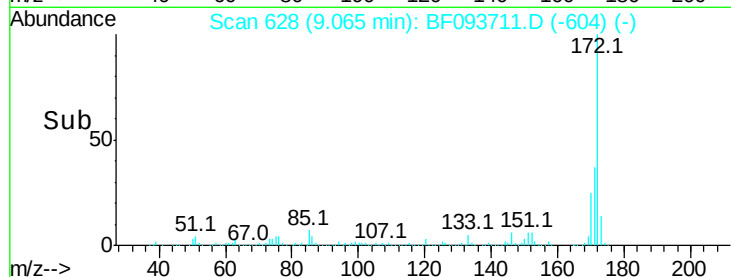
170 24.6 20.2 30.4



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: 8.35 ng

RT: 9.74 min Scan# 687

Delta R.T. 0.17 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

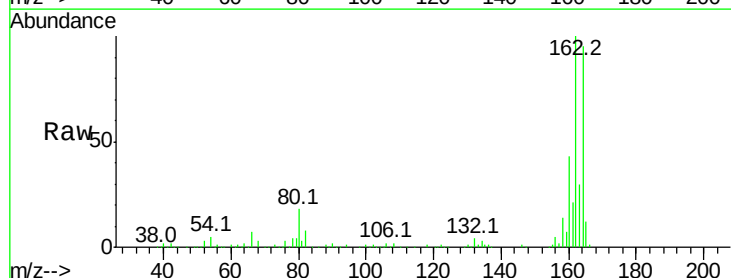
Tgt Ion:165 Resp: 34991

Ion Ratio Lower Upper

165 100

63 1.6 36.2 54.4#

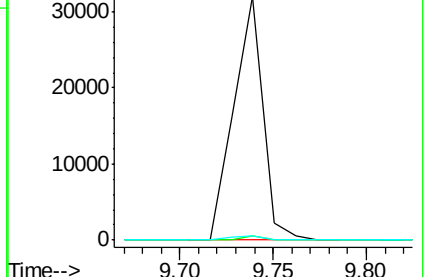
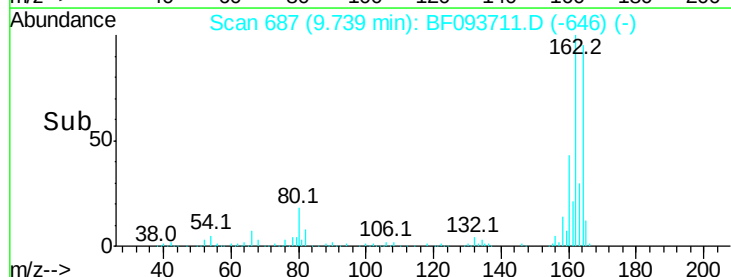
89 1.6 40.2 60.4#

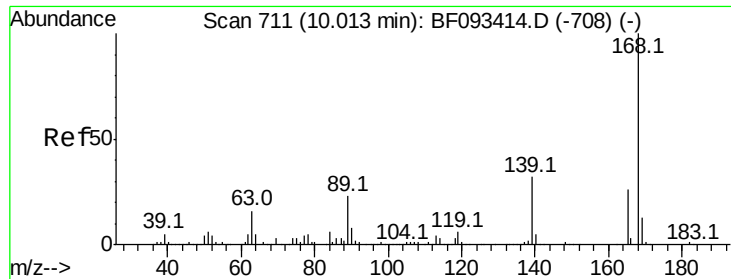


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

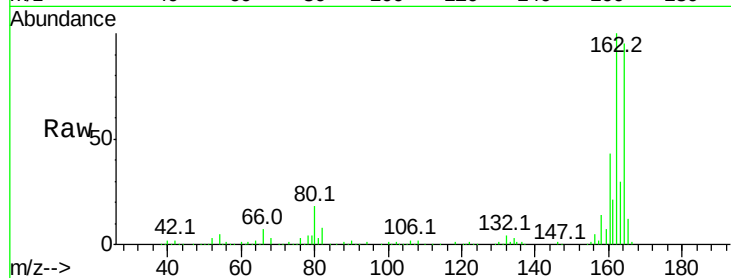




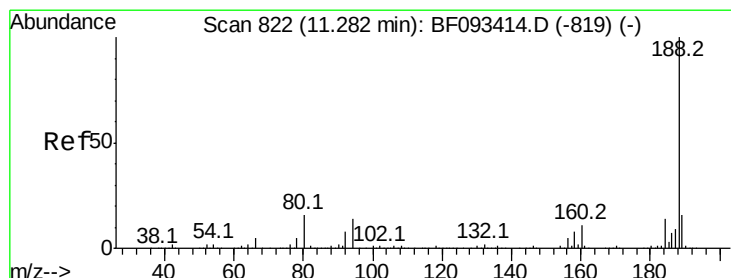
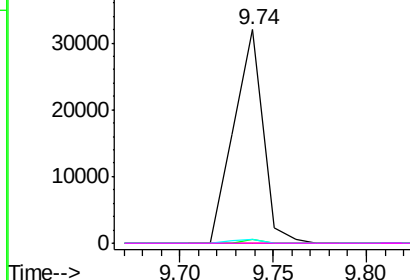
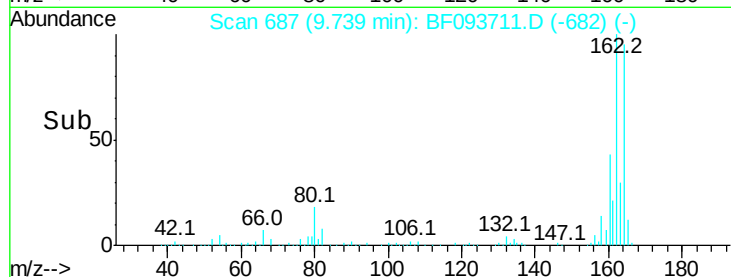
#56
 2,4-Dinitrotoluene
 Concen: 6.80 ng
 RT: 9.74 min Scan# 687
 Delta R.T. -0.24 min
 Lab File: BF093711.D
 Acq: 16 Mar 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97641TB

Tot Ion:165 Resp: 34991
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.2 60.4#
 89 1.6 62.5 93.7#
 182 0.0 1.8 2.8#

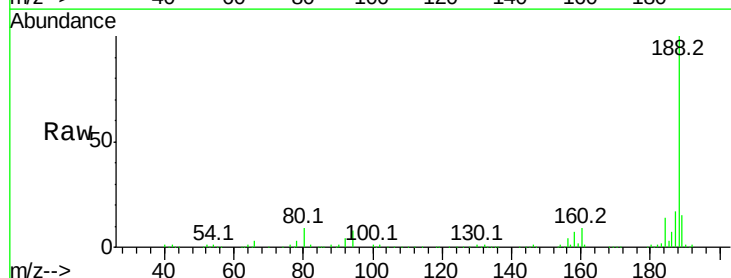


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

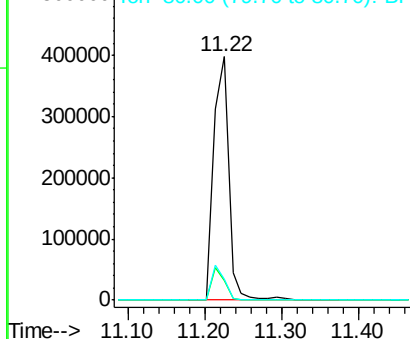
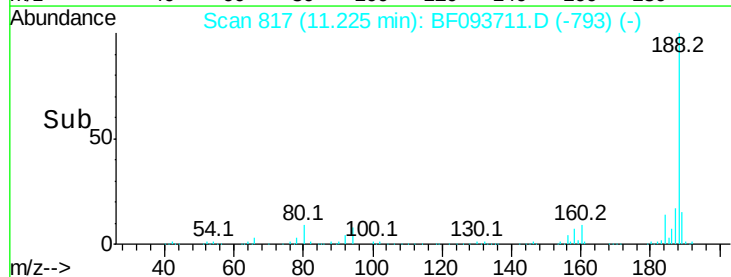


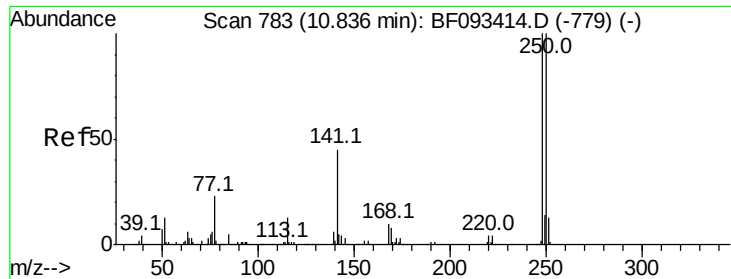
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF093711.D
 Acq: 16 Mar 2017 17:35

Tgt Ion:188 Resp: 539597
 Ion Ratio Lower Upper
 188 100
 94 8.3 10.0 15.0#
 80 8.5 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: 3.59 ng

RT: 10.53 min Scan# 756

Delta R.T. -0.26 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

ClientSampleId :

PB97641TB

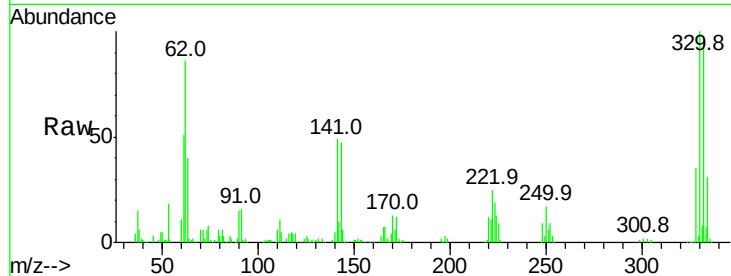
Tot Ion:248 Resp: 20492

Ion Ratio Lower Upper

248 100

250 198.7 76.9 115.3#

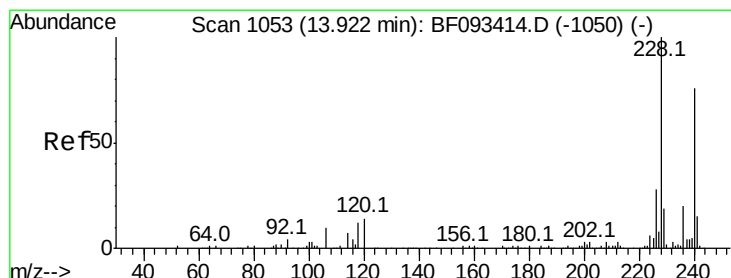
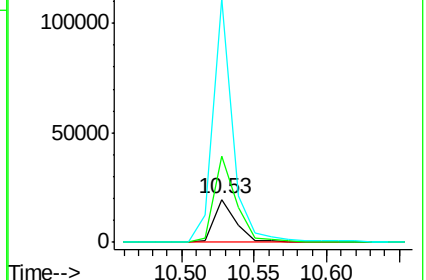
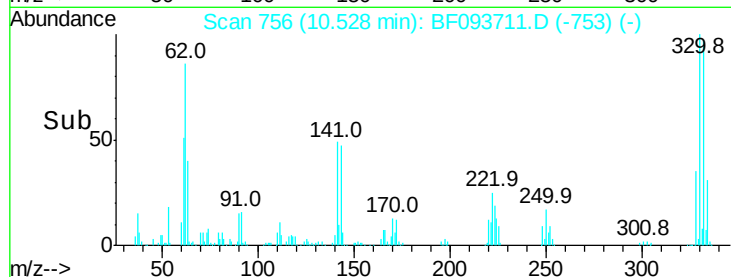
141 564.7 68.2 102.4#



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: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

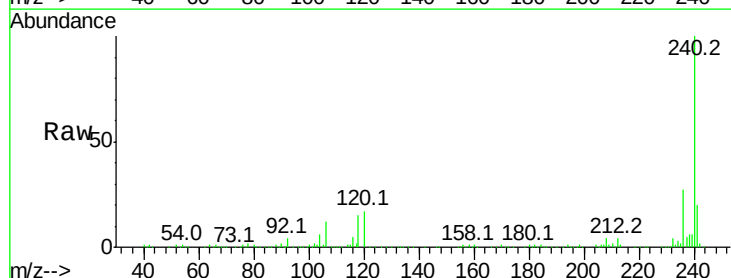
Tgt Ion:240 Resp: 456552

Ion Ratio Lower Upper

240 100

120 17.0 12.9 19.3

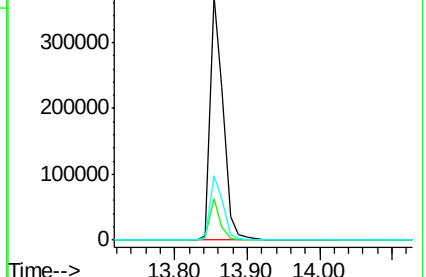
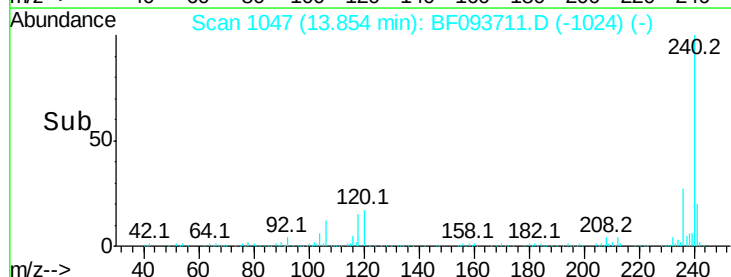
236 26.7 20.9 31.3

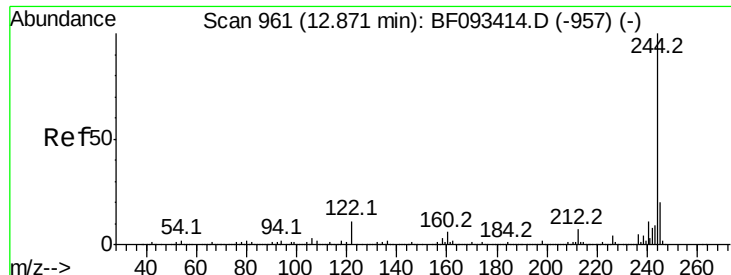


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.27 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

Instrument :

BNA_F

ClientSampleId :

PB97641TB

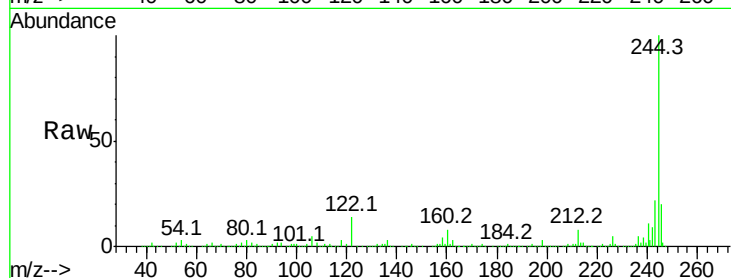
Tot Ion:244 Resp: 1374479

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

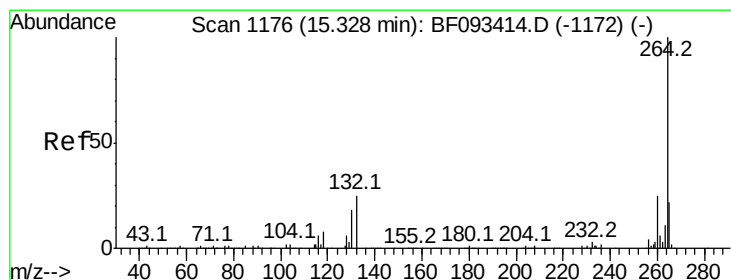
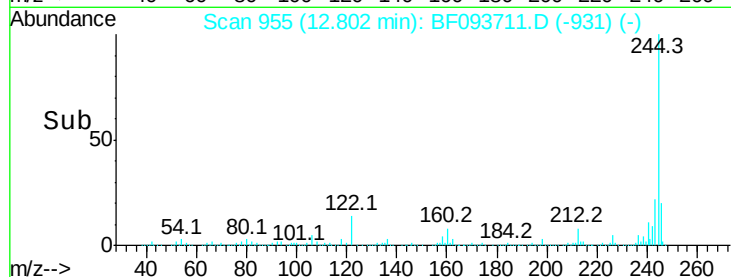
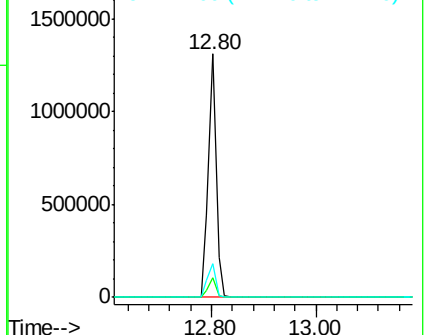
122 13.6 11.4 17.2



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: 15.26 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF093711.D

Acq: 16 Mar 2017 17:35

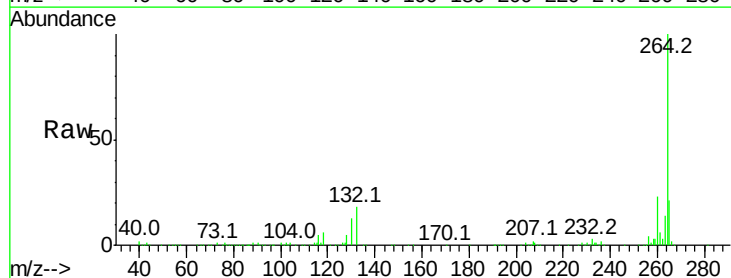
Tgt Ion:264 Resp: 335527

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.4 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

