

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093704.D
 Acq On : 16 Mar 2017 14:25
 Operator : SJ/MA
 Sample : I2201-21RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-121RE

Quant Time: Mar 17 00:53:26 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

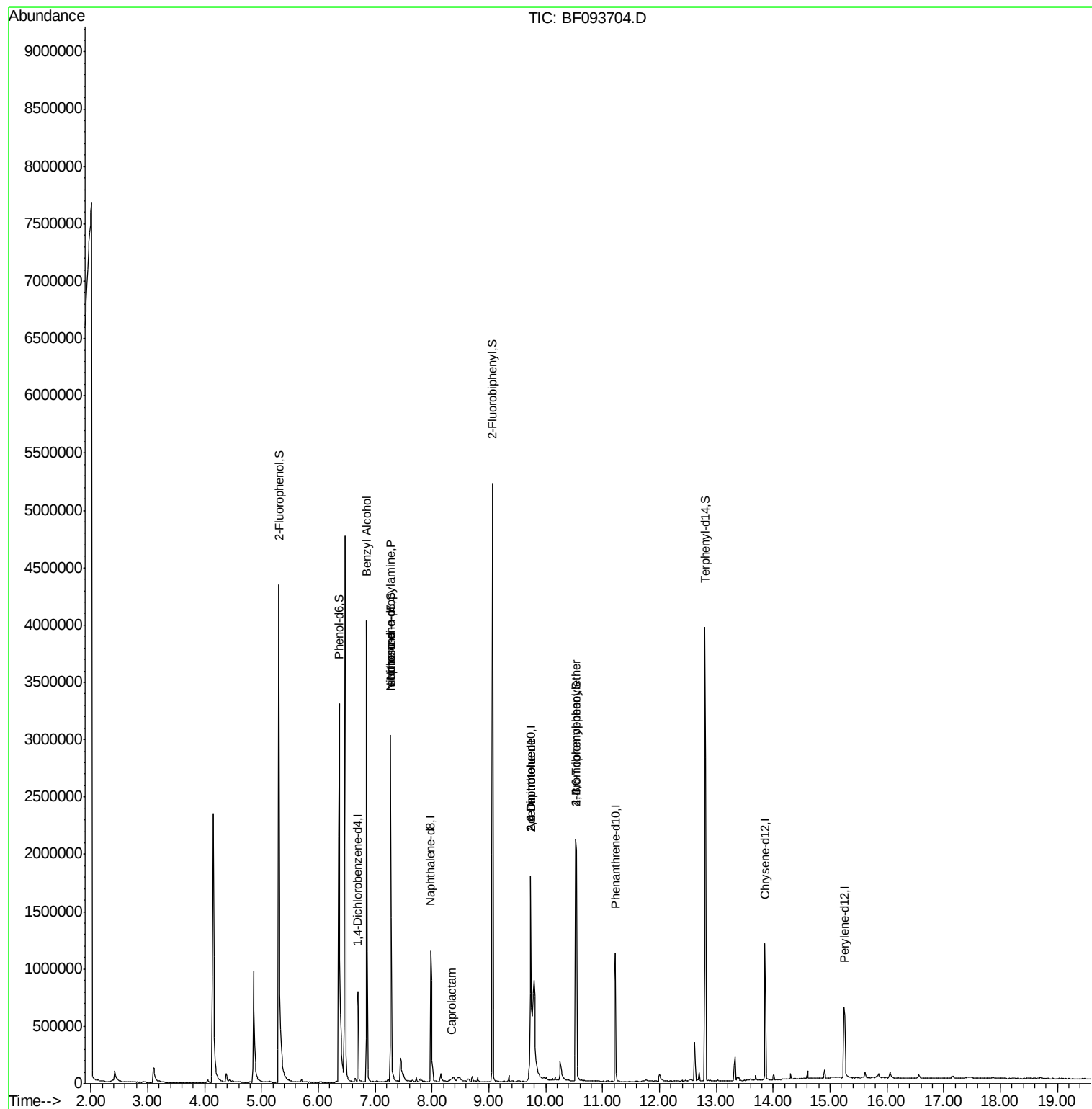
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	176055	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	697681	20.00	ng	-0.03
38) Acenaphthene-d10	9.74	164	307170	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	570431	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	511910	20.00	ng	-0.03
86) Perylene-d12	15.25	264	286338	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1593771	150.67	ng	-0.01
7) Phenol-d6	6.37	99	2030502	152.22	ng	-0.01
23) Nitrobenzene-d5	7.27	82	1220794	97.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	399445	199.60	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1813191	109.80	ng	-0.02
78) Terphenyl-d14	12.80	244	1812420	92.05	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.85	79	19296	2.03	ng	# 46
19) n-Nitroso-di-n-propylamine	7.27	70	161304	17.59	ng	# 85
25) Isophorone	7.27	82	1220850	48.15	ng	# 65
35) Caprolactam	8.34	113	12901	3.83	ng	# 11
50) 2,6-Dinitrotoluene	9.74	165	39678	8.88	ng	# 36
56) 2,4-Dinitrotoluene	9.74	165	39678	7.23	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	27411	4.54	ng	# 1

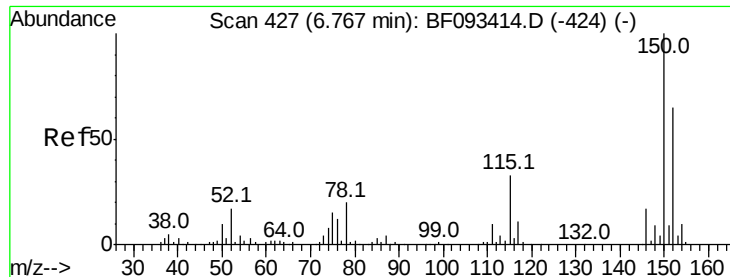
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Instrument :

BNA_F

ClientSampleId :

D-121RE

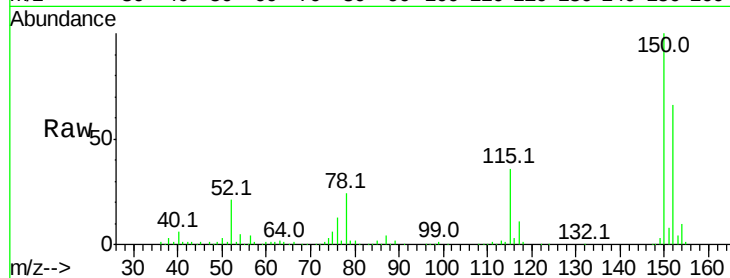
Tot Ion:152 Resp: 176055

Ion Ratio Lower Upper

152 100

150 151.7 124.9 187.3

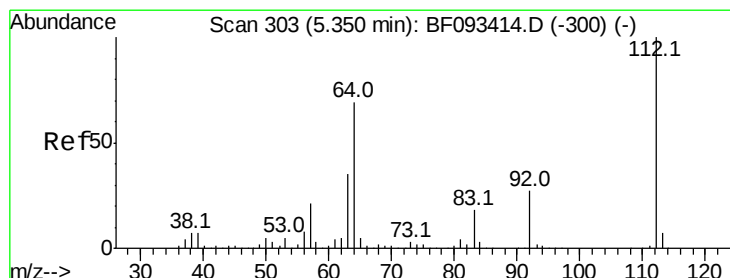
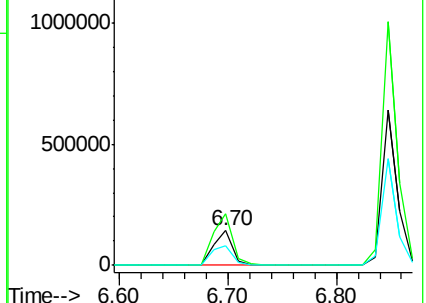
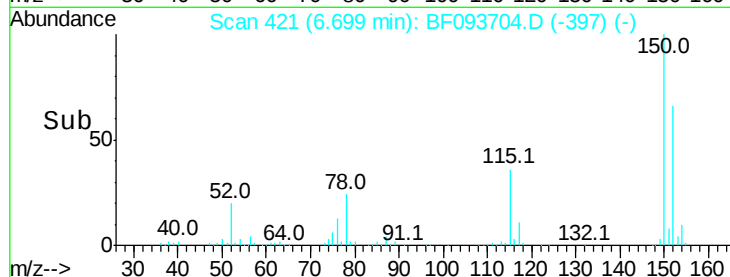
115 55.3 46.0 69.0



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: 150.67 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

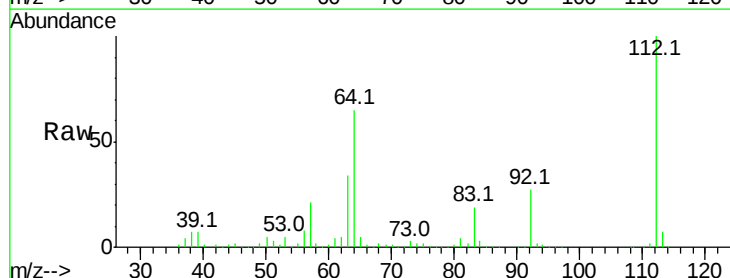
Tgt Ion:112 Resp: 1593771

Ion Ratio Lower Upper

112 100

64 65.4 46.1 69.1

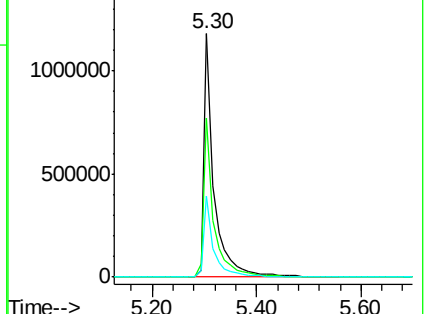
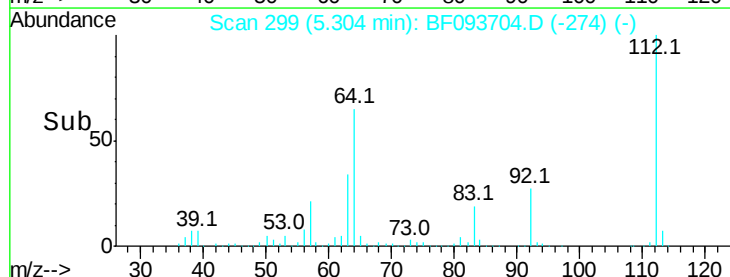
63 33.5 23.8 35.6

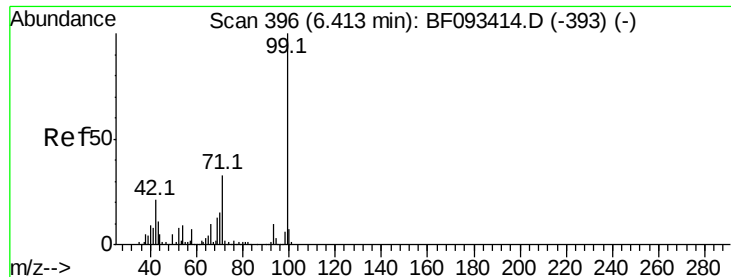


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.22 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Instrument :

BNA_F

ClientSampleId :

D-121RE

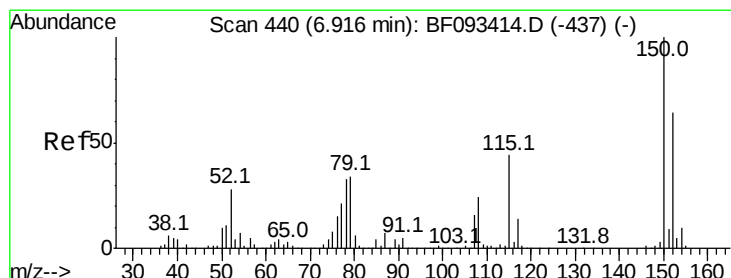
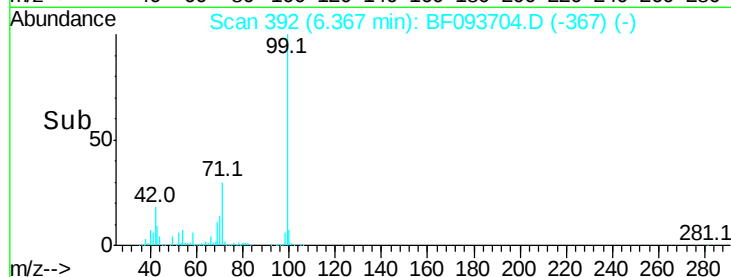
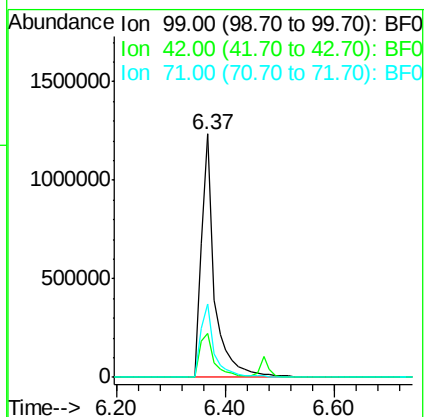
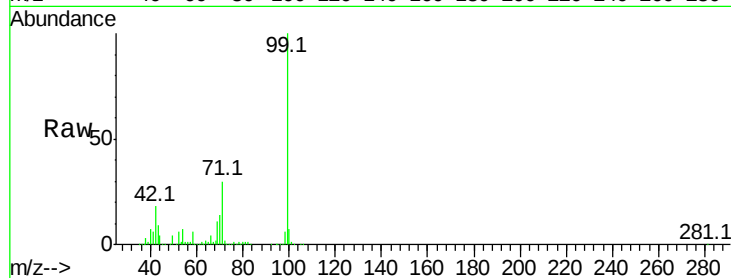
Tot Ion: 99 Resp: 2030502

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

71 30.1 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.85 min Scan# 434

Delta R.T. -0.03 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

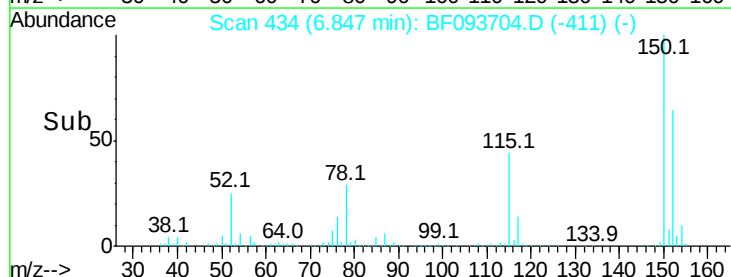
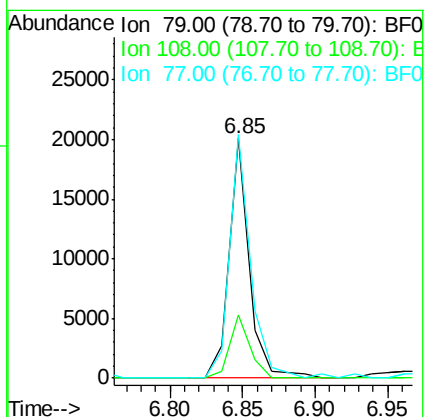
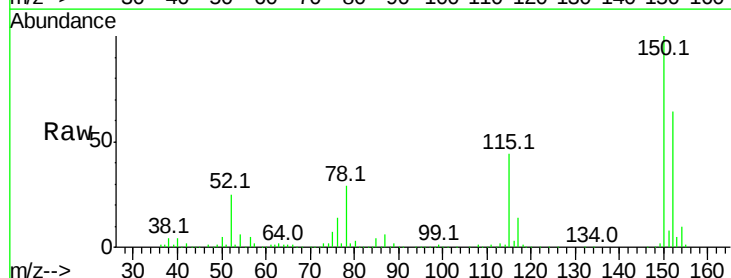
Tgt Ion: 79 Resp: 19296

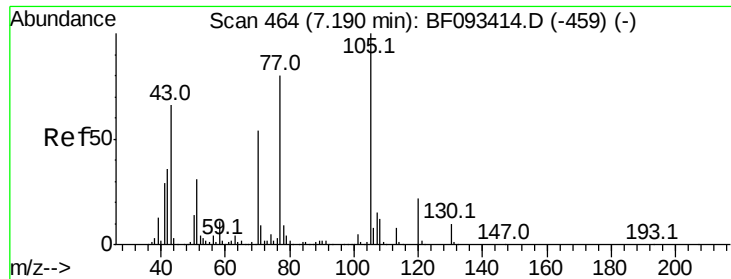
Ion Ratio Lower Upper

79 100

108 26.3 61.4 92.0#

77 101.6 50.9 76.3#





#19

n-Nitroso-di-n-propylamine

Concen: 17.59 ng

RT: 7.27 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Instrument :

BNA_F

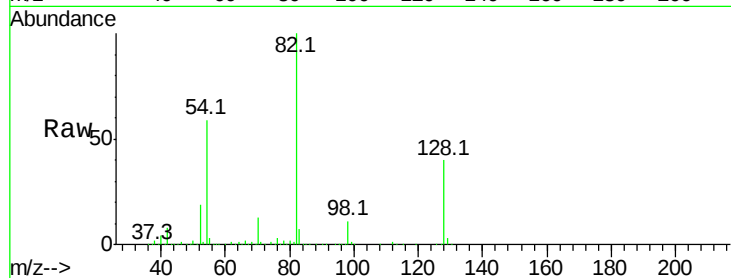
ClientSampleId :

D-121RE

Tot Ion: 70 Resp: 161304

Ion Ratio Lower Upper

70	100		
42	55.8	49.4	74.0
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

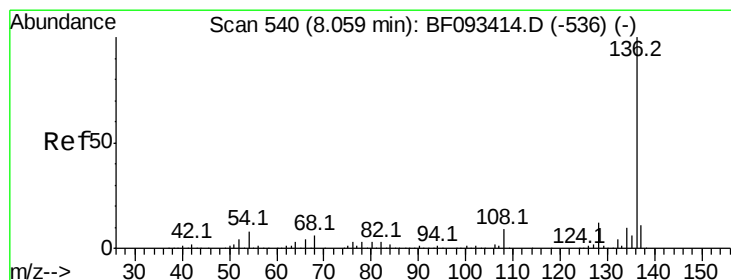
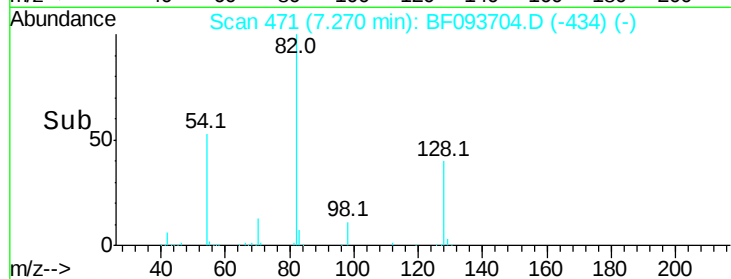
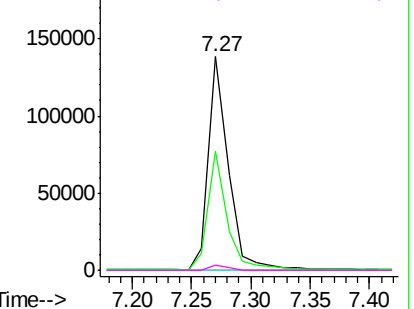


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 533

Delta R.T. -0.03 min

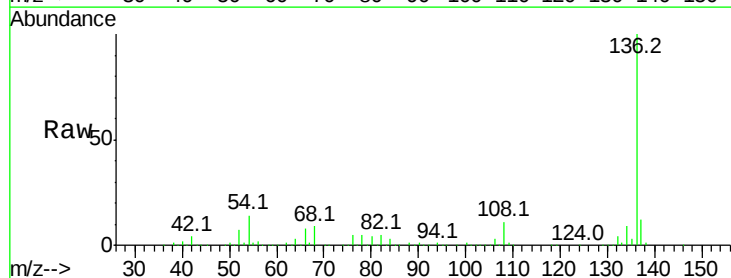
Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Tgt Ion: 136 Resp: 697681

Ion Ratio Lower Upper

136	100		
137	11.6	8.4	12.6
54	13.9	4.5	6.7#
68	9.5	3.6	5.4#

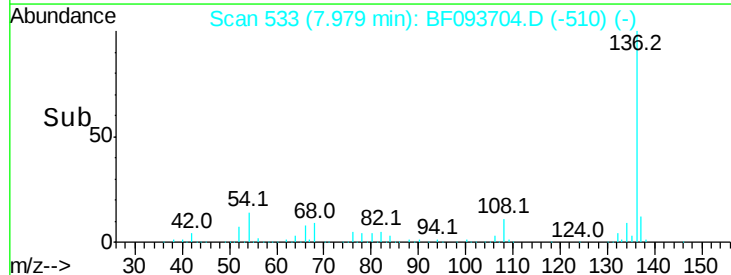
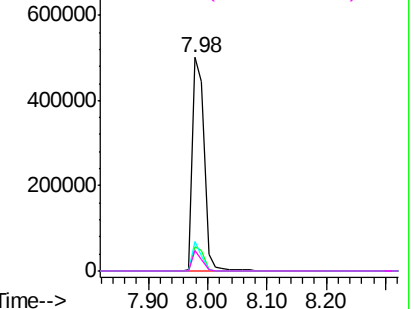


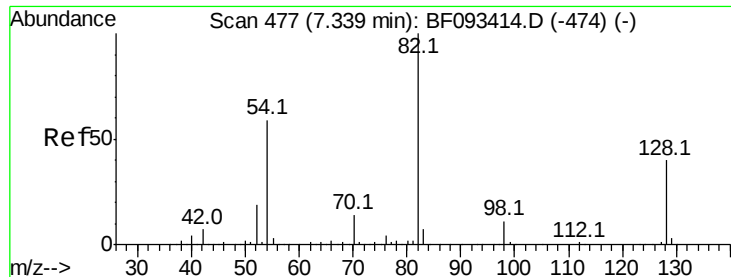
Abundance Ion 136.00 (135.70 to 136.70): E

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

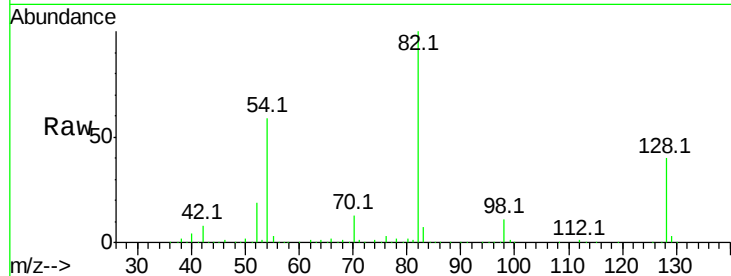




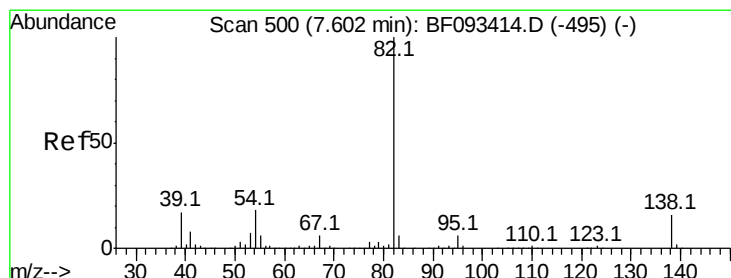
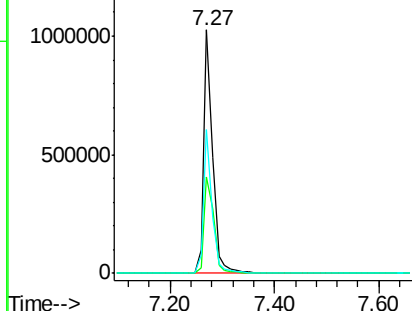
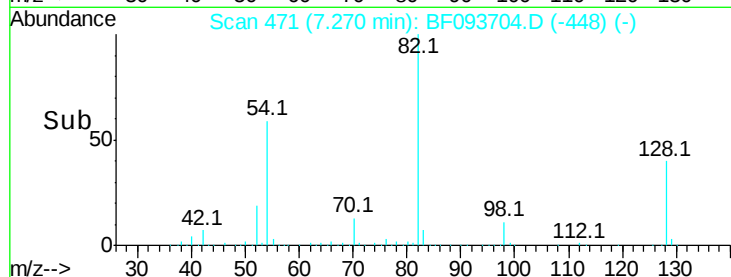
#23
Nitrobenzene-d5
Concen: 97.09 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.03 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Instrument :
BNA_F
ClientSampleId :
D-121RE

Tot Ion: 82 Resp: 1220794
Ion Ratio Lower Upper
82 100
128 39.7 34.6 52.0
54 58.8 39.5 59.3

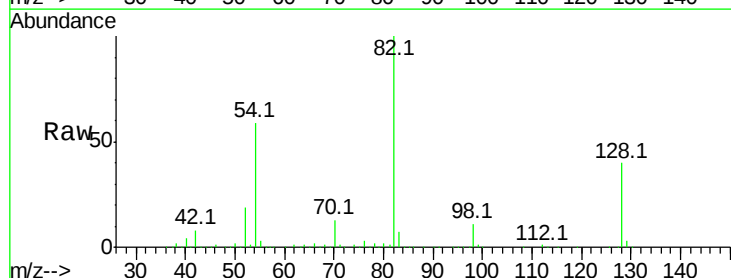


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

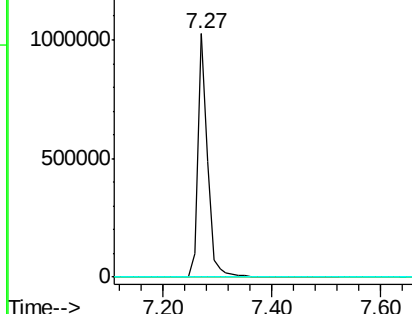
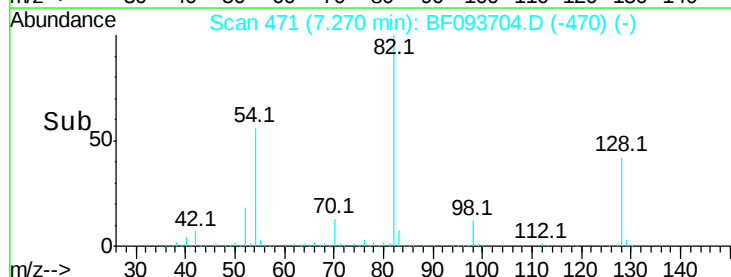


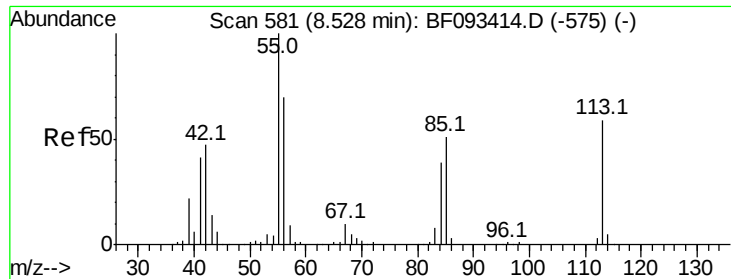
#25
Isophorone
Concen: 48.15 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.29 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Tgt Ion: 82 Resp: 1220850
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

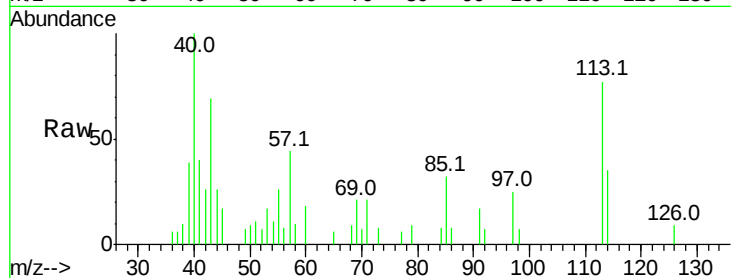




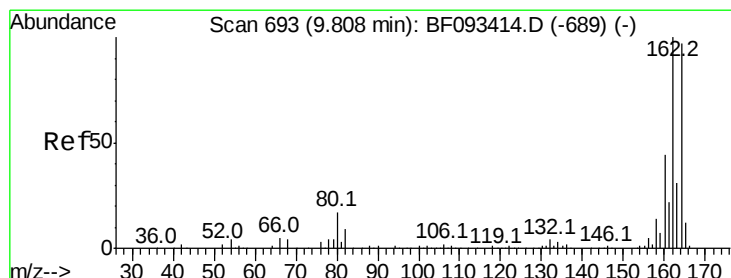
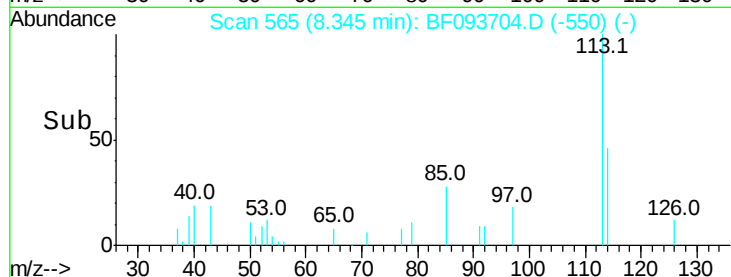
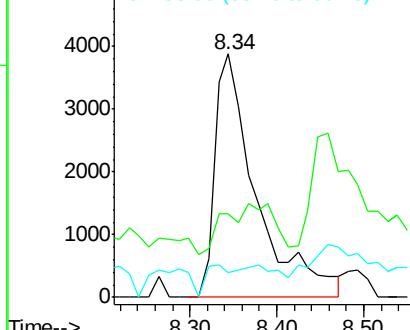
#35
Caprolactam
Concen: 3.83 ng
RT: 8.34 min Scan# 565
Delta R.T. -0.13 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Instrument :
BNA_F
ClientSampleId :
D-121RE

Tot Ion:113 Resp: 12901
Ion Ratio Lower Upper
113 100
55 34.4 119.2 159.2#
56 10.4 83.8 123.8#

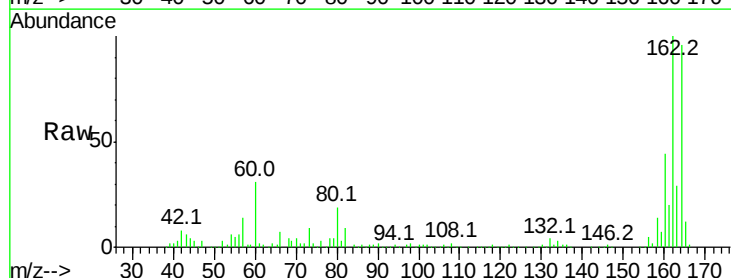


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

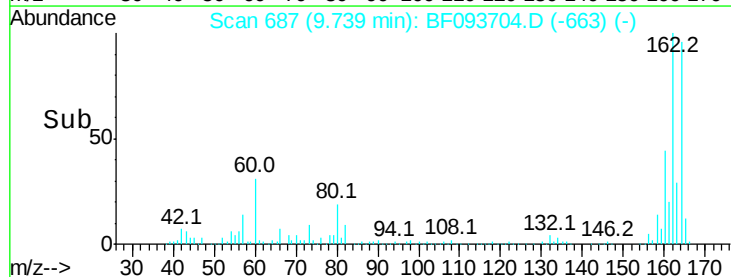
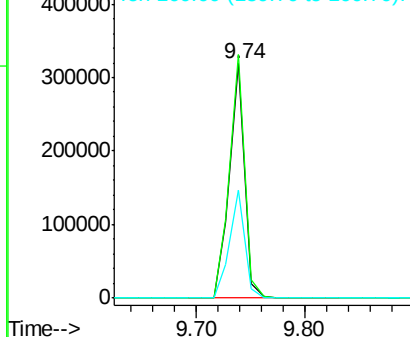


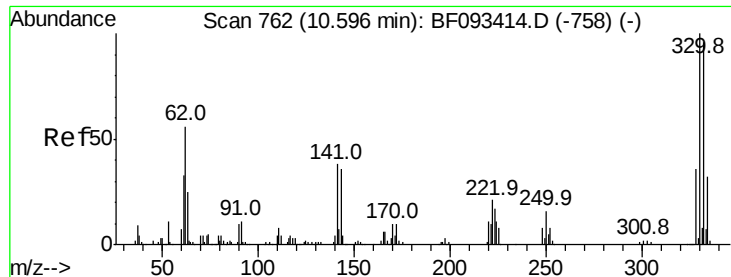
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Tgt Ion:164 Resp: 307170
Ion Ratio Lower Upper
164 100
162 103.8 80.2 120.2
160 45.9 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

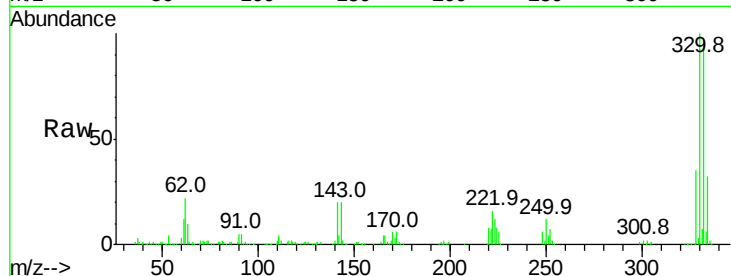




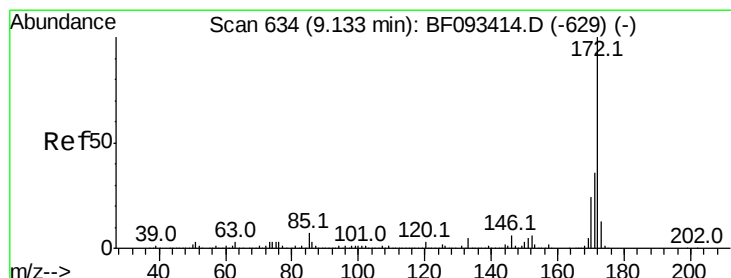
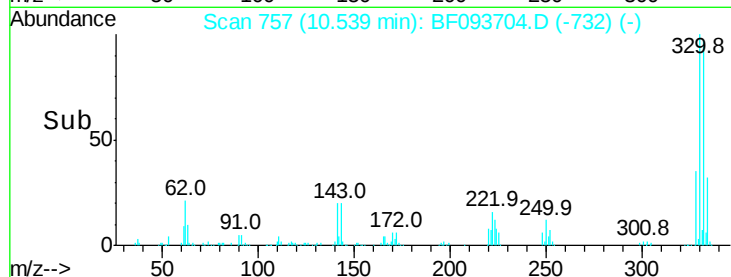
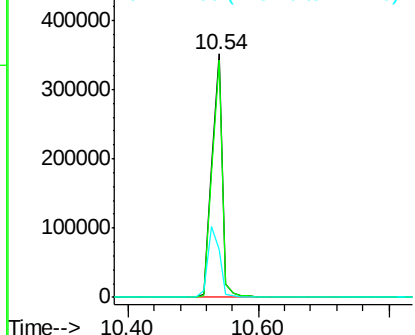
#41
 2,4,6-Tribromophenol
 Concen: 199.60 ng
 RT: 10.54 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF093704.D
 Acq: 16 Mar 2017 14:25

Instrument :
 BNA_F
 ClientSampleId :
 D-121RE

Tot Ion:330 Resp: 399445
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 32.7 34.1 51.1#

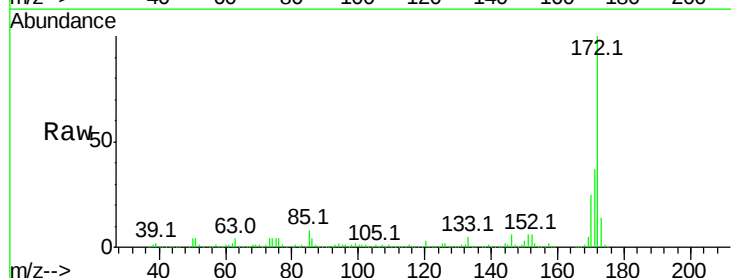


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

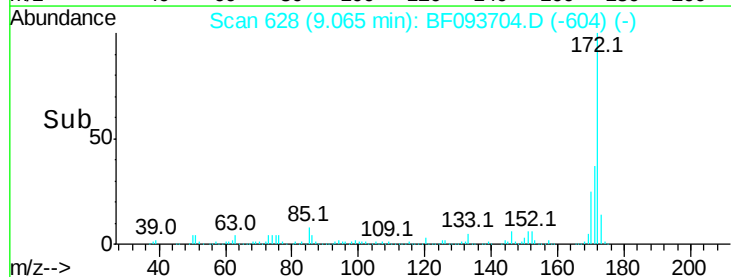
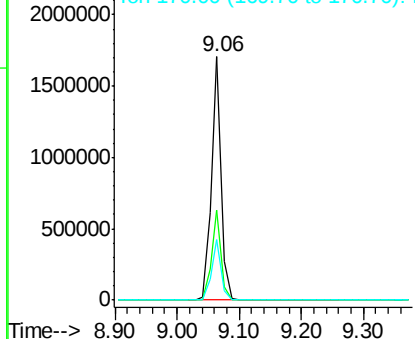


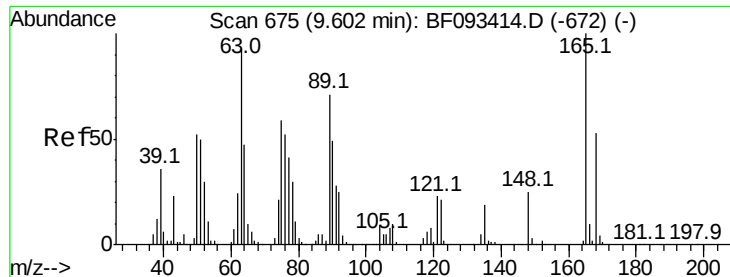
#44
 2-Fluorobiphenyl
 Concen: 109.80 ng
 RT: 9.06 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF093704.D
 Acq: 16 Mar 2017 14:25

Tgt Ion:172 Resp: 1813191
 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





#50

2,6-Dinitrotoluene

Concen: 8.88 ng

RT: 9.74 min Scan# 687

Delta R.T. 0.17 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Instrument :

BNA_F

ClientSampleId :

D-121RE

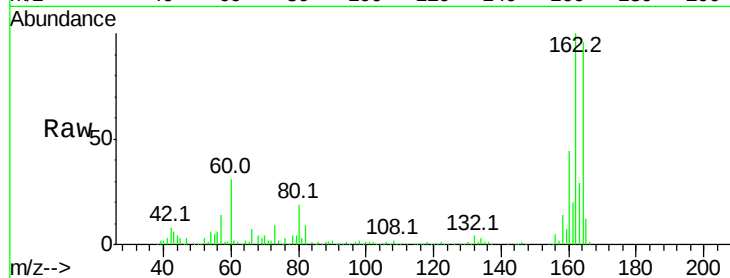
Tot Ion:165 Resp: 39678

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

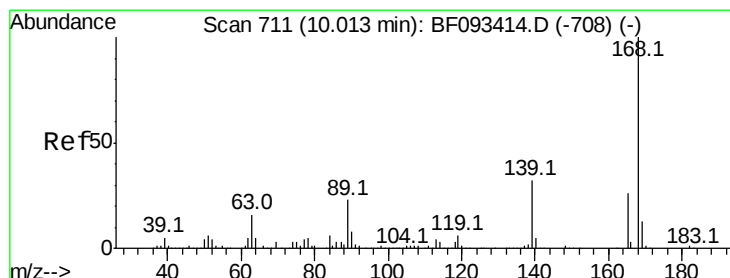
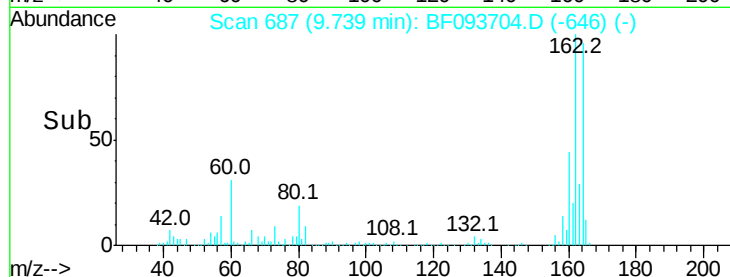
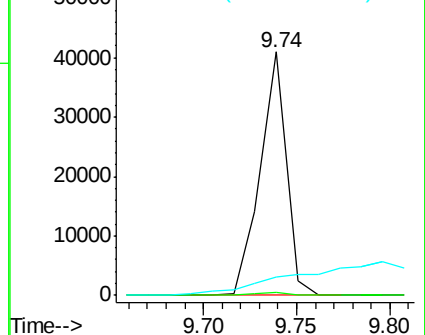
89 7.4 40.2 60.4#



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: 7.23 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.24 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Tgt Ion:165 Resp: 39678

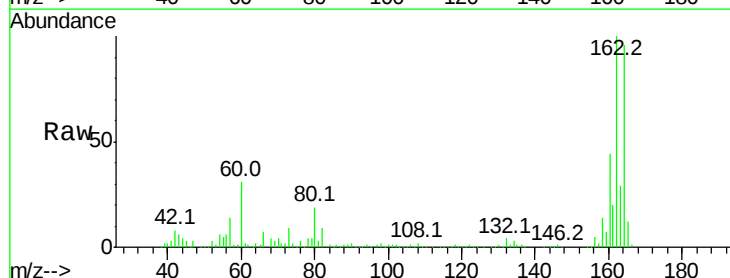
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 7.4 62.5 93.7#

182 0.0 1.8 2.8#

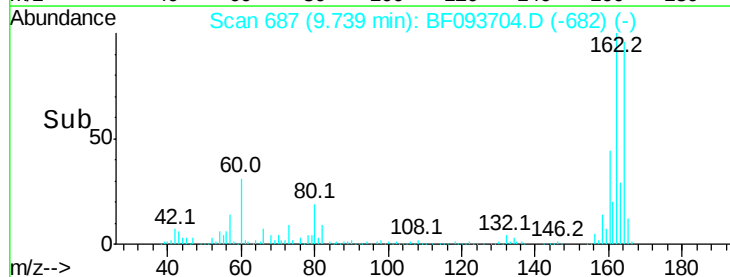
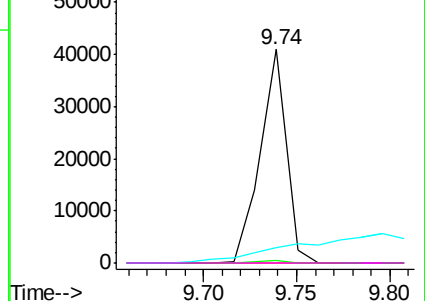


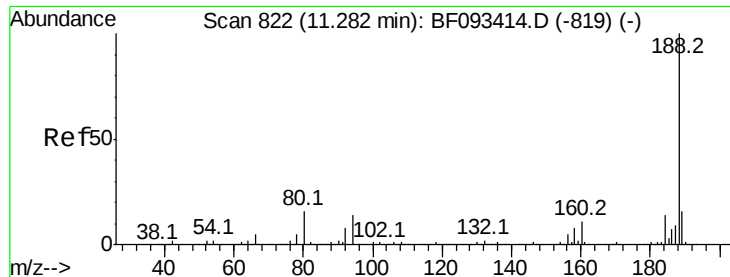
Abundance Ion 165.00 (164.70 to 165.70): E

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

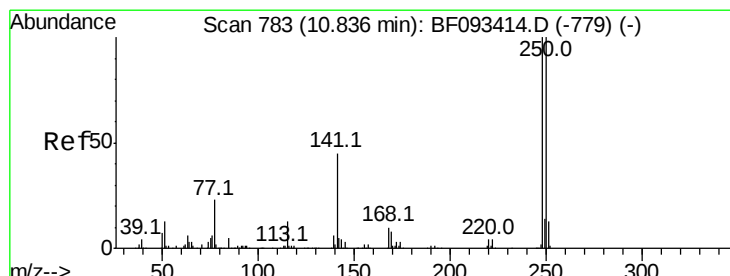
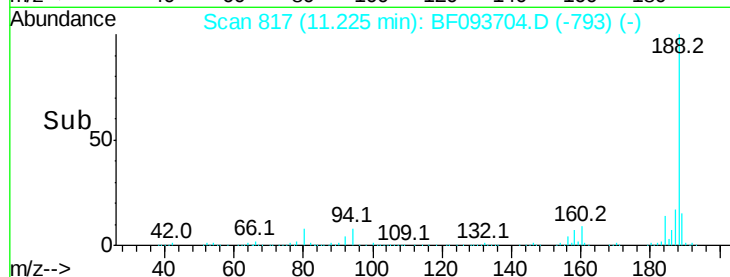
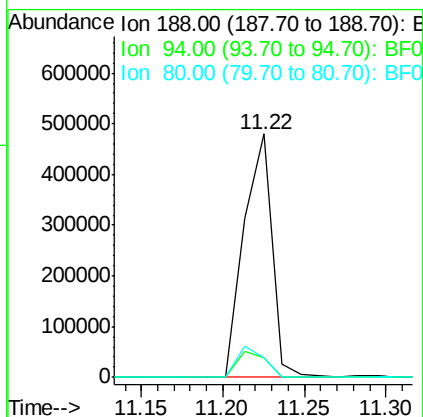
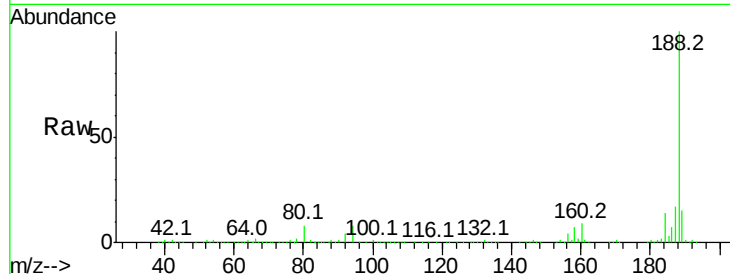




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

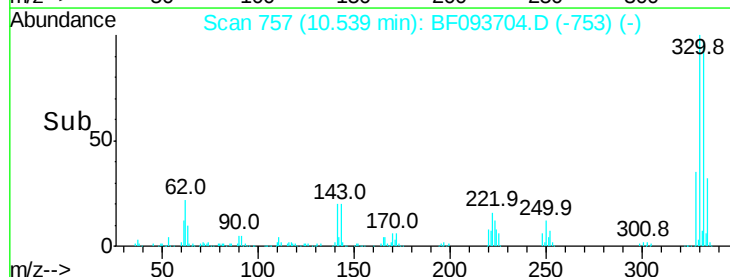
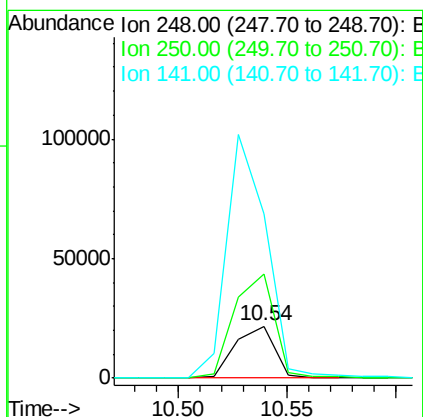
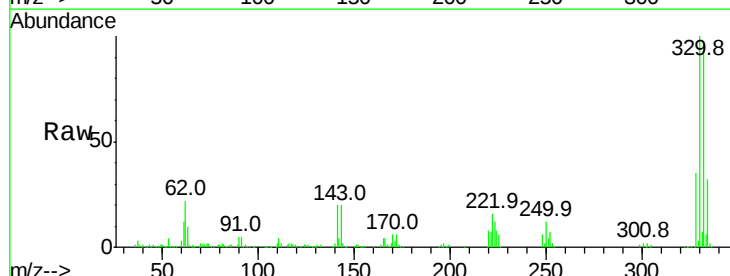
Instrument :
BNA_F
ClientSampleId :
D-121RE

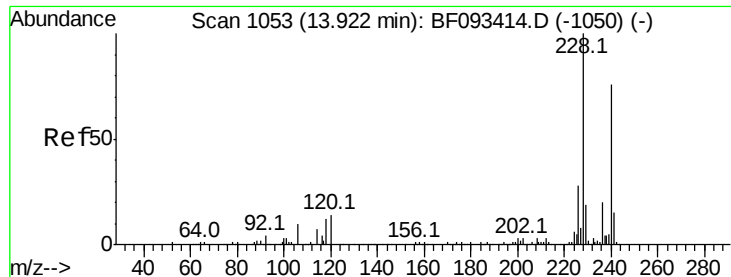
Tot Ion:188 Resp: 570431
Ion Ratio Lower Upper
188 100
94 8.1 10.0 15.0#
80 7.9 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 4.54 ng
RT: 10.54 min Scan# 757
Delta R.T. -0.25 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Tgt Ion:248 Resp: 27411
Ion Ratio Lower Upper
248 100
250 200.1 76.9 115.3#
141 317.3 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

Instrument :

BNA_F

ClientSampleId :

D-121RE

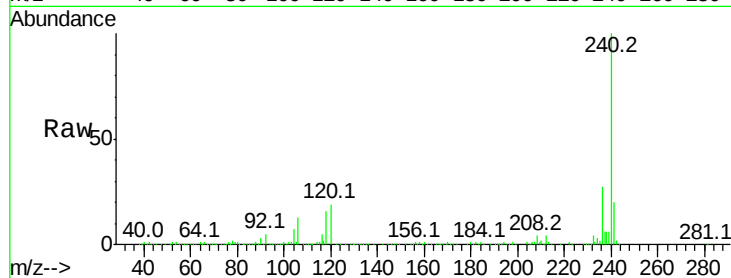
Tot Ion:240 Resp: 511910

Ion Ratio Lower Upper

240 100

120 18.6 12.9 19.3

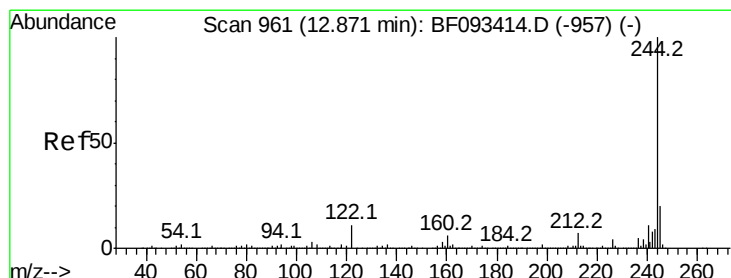
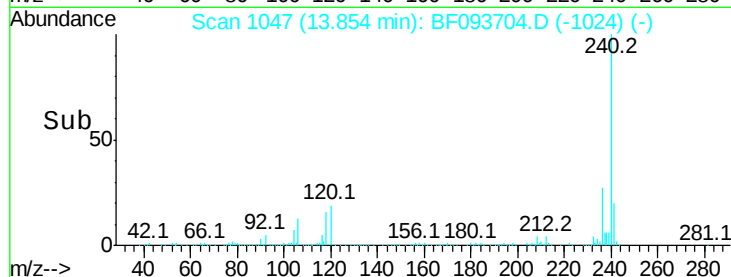
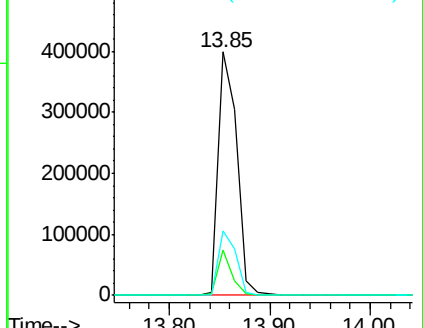
236 26.6 20.9 31.3



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: 92.05 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093704.D

Acq: 16 Mar 2017 14:25

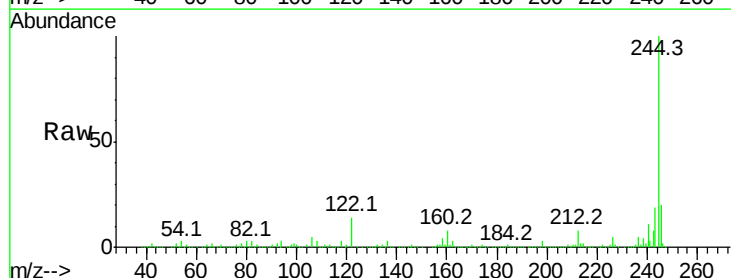
Tgt Ion:244 Resp: 1812420

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

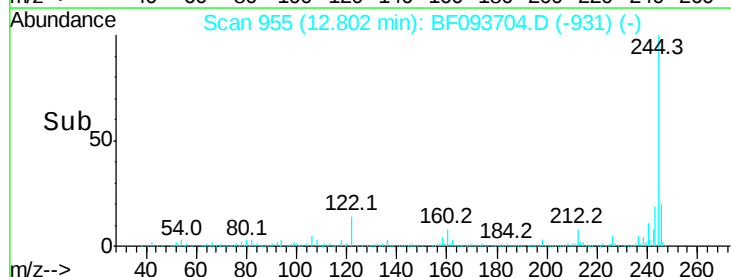
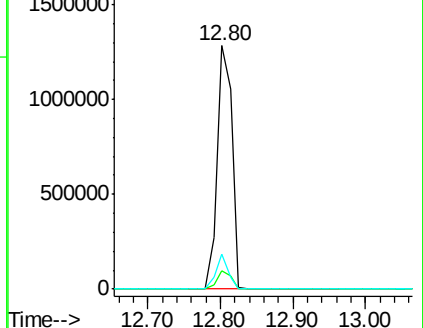
122 14.1 11.4 17.2

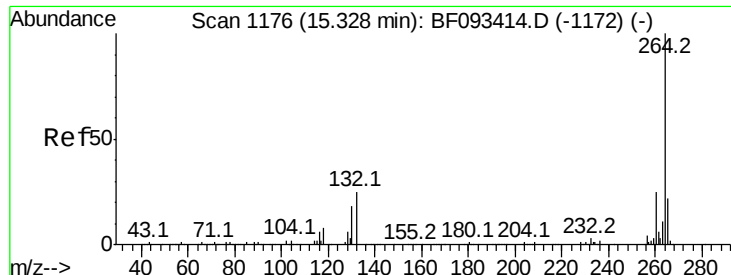


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

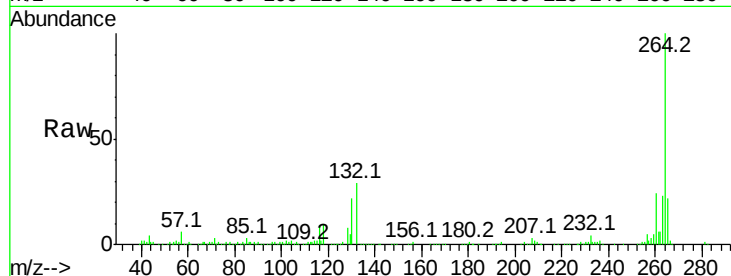




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF093704.D
Acq: 16 Mar 2017 14:25

Instrument :
BNA_F
ClientSampleId :
D-121RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	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

