

Data Path : Z:\HPCHEM1\BNA F\Data\BF031017\
 Data File : BF093524.D
 Acq On : 10 Mar 2017 16:14
 Operator : SJ/MA
 Sample : I2160-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B54-B56-001

Quant Time: Mar 10 16:44:25 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

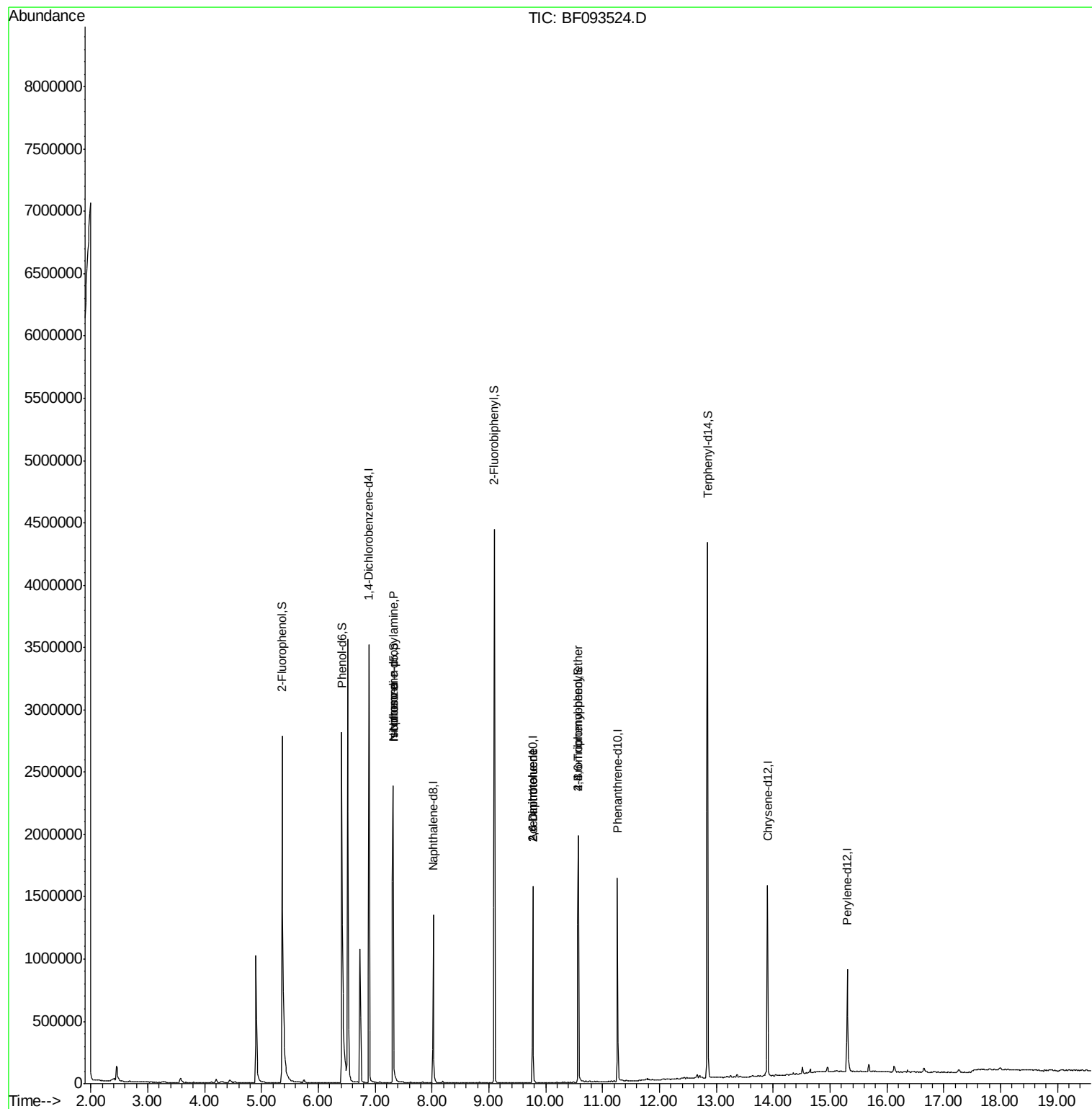
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	536229	20.00	ng	0.13
21) Naphthalene-d8	8.02	136	640593	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	313369	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	589491	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	523823	20.00	ng	-0.02
86) Perylene-d12	15.31	264	382602	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1245424	38.66	ng	0.01
7) Phenol-d6	6.41	99	1573929	38.74	ng	0.00
23) Nitrobenzene-d5	7.32	82	1068147	92.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	292095	143.07	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1446803	85.88	ng	-0.03
78) Terphenyl-d14	12.85	244	1496163	74.26	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.41	77	2697	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	140263	5.02 ng	#	78
25) Isophorone	7.32	82	1062555	45.64 ng	#	65
50) 2,6-Dinitrotoluene	9.77	165	40245	8.83 ng	#	31
56) 2,4-Dinitrotoluene	9.77	165	40246	7.19 ng	#	20
66) 4-Bromophenyl-phenylether	10.57	248	22067	3.54 ng	#	1

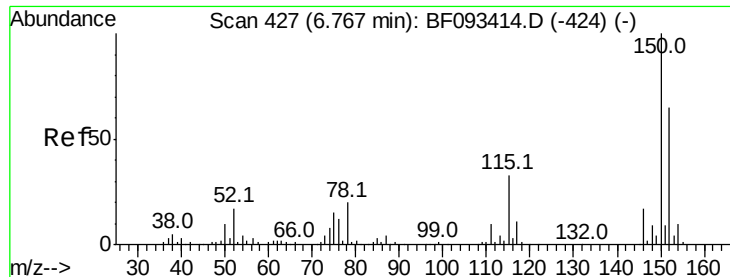
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 438

Delta R.T. 0.13 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

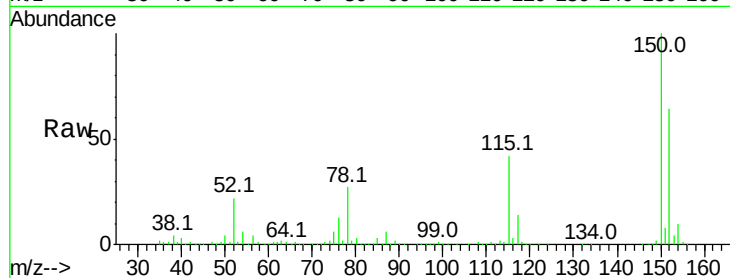
Tot Ion:152 Resp: 536229

Ion Ratio Lower Upper

152 100

150 156.6 124.9 187.3

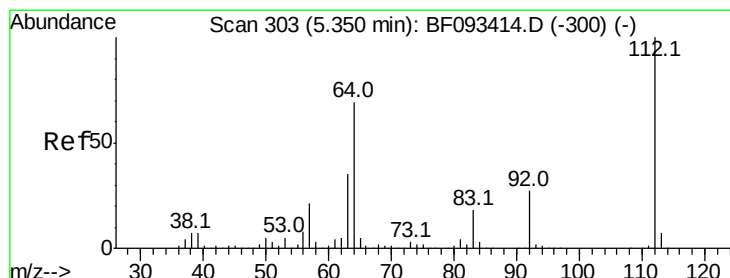
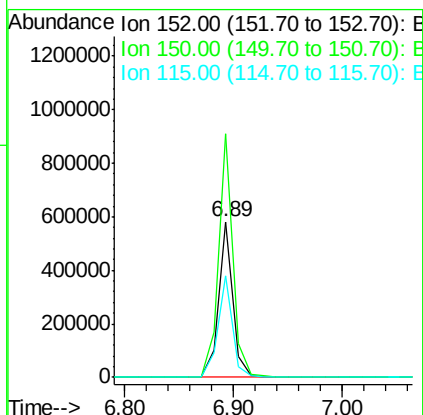
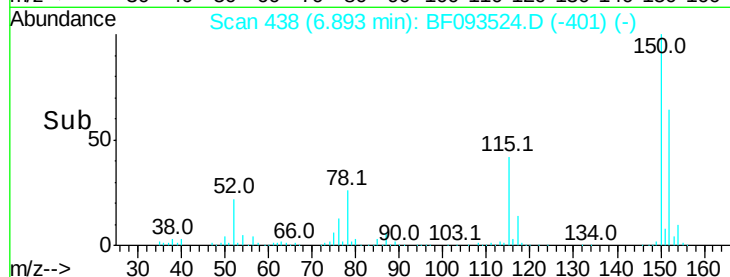
115 65.5 46.0 69.0



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: 38.66 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

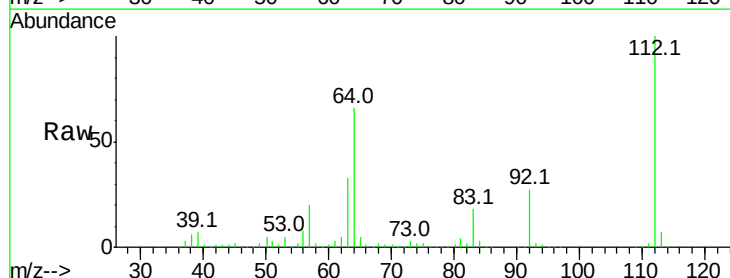
Tgt Ion:112 Resp: 1245424

Ion Ratio Lower Upper

112 100

64 66.1 46.1 69.1

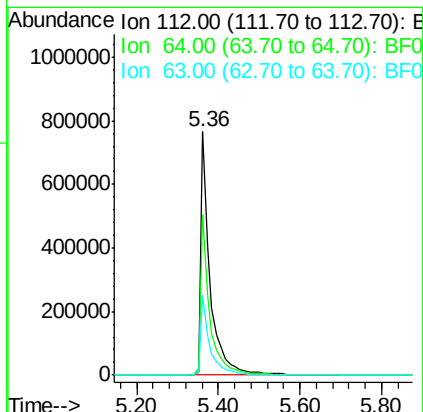
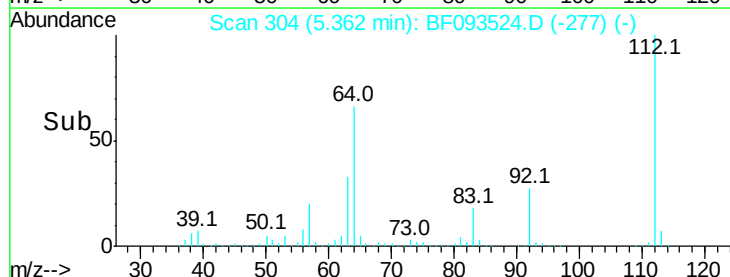
63 32.6 23.8 35.6

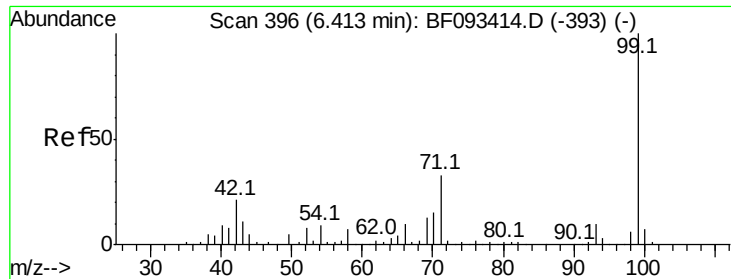


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.74 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

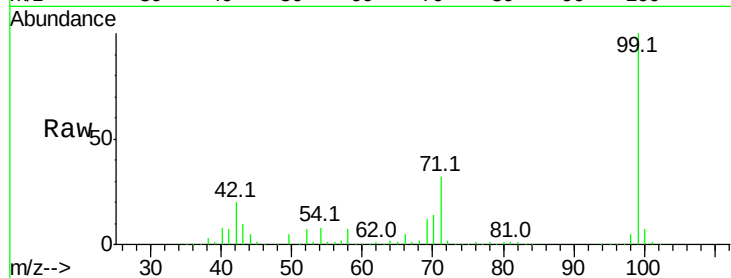
Tot Ion: 99 Resp: 1573929

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

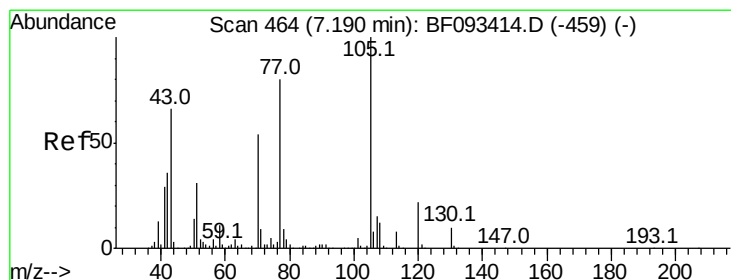
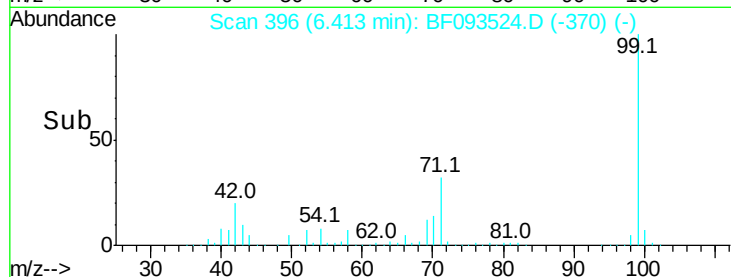
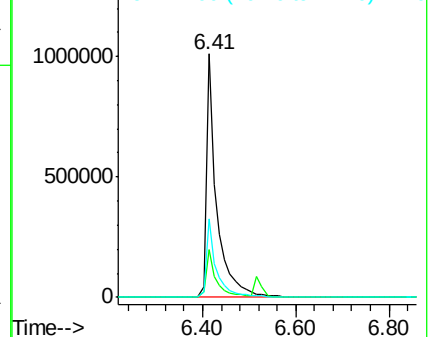
71 32.3 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.02 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Tgt Ion: 70 Resp: 140263

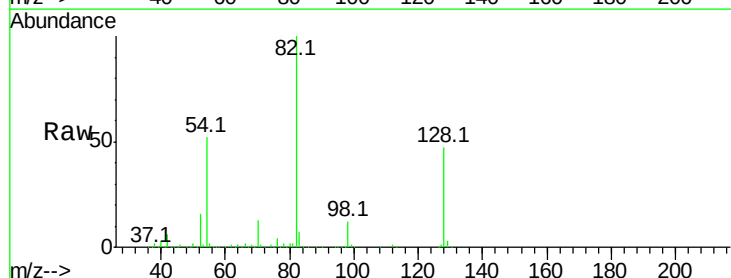
Ion Ratio Lower Upper

70 100

42 48.1 49.4 74.0#

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

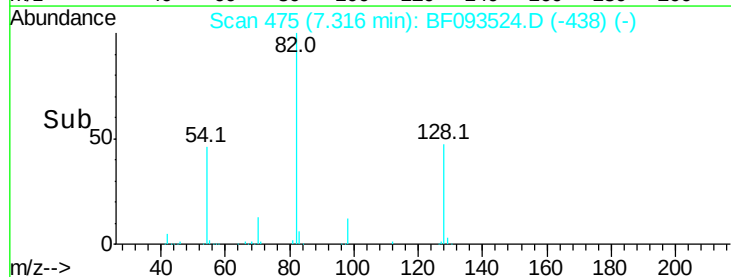
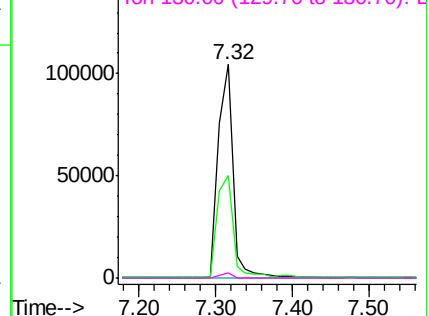


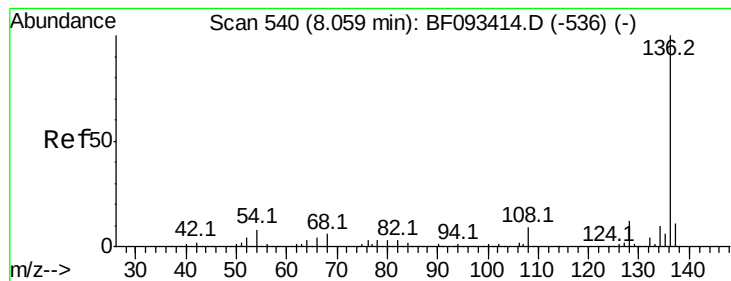
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.02 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

Tot Ion:136 Resp: 640593

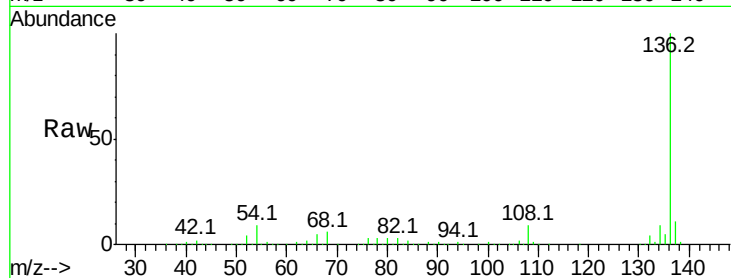
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.9 4.5 6.7#

68 5.9 3.6 5.4#

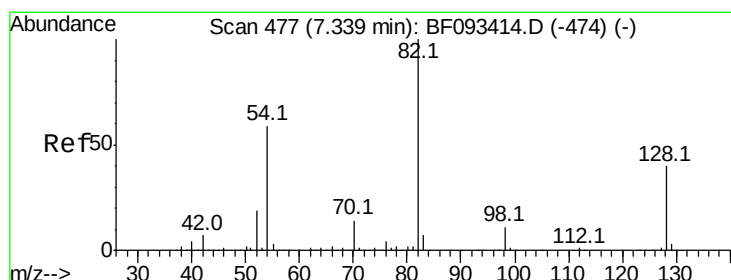
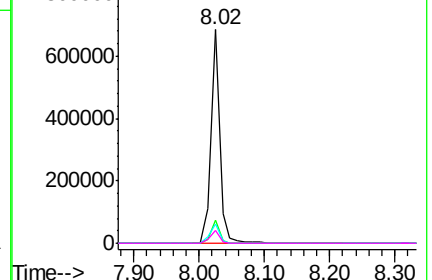
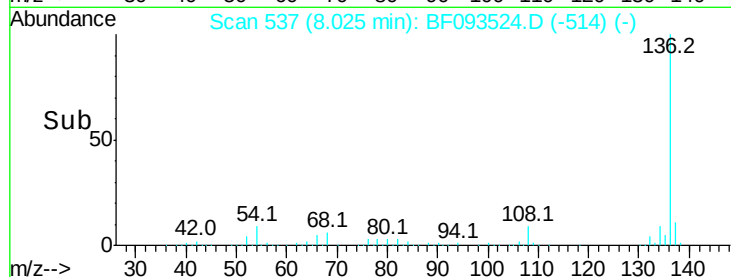


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.52 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

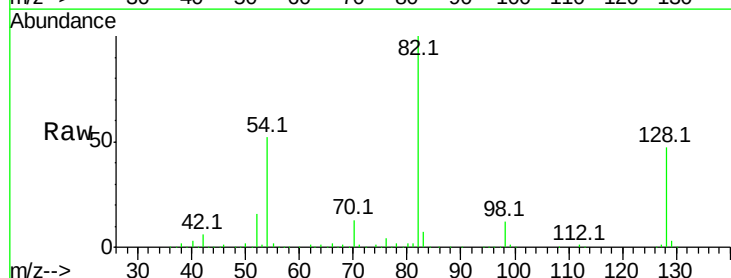
Tgt Ion: 82 Resp: 1068147

Ion Ratio Lower Upper

82 100

128 47.2 34.6 52.0

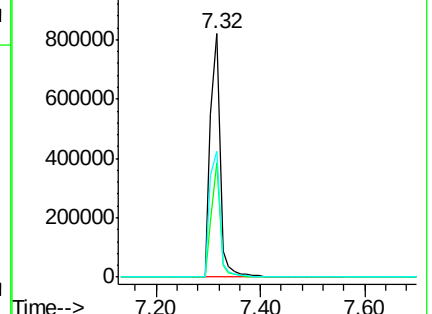
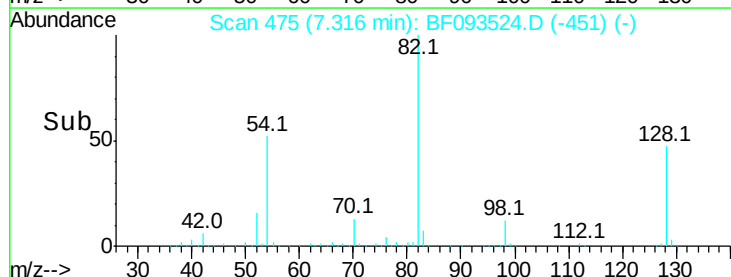
54 51.7 39.5 59.3

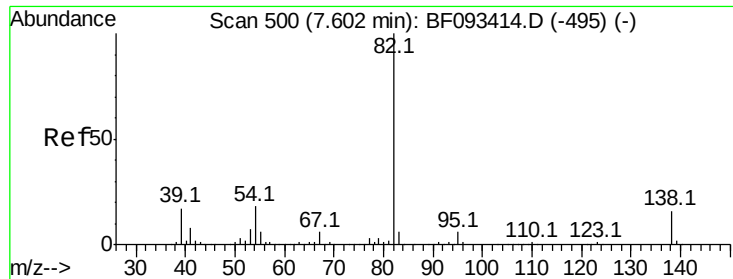


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.64 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

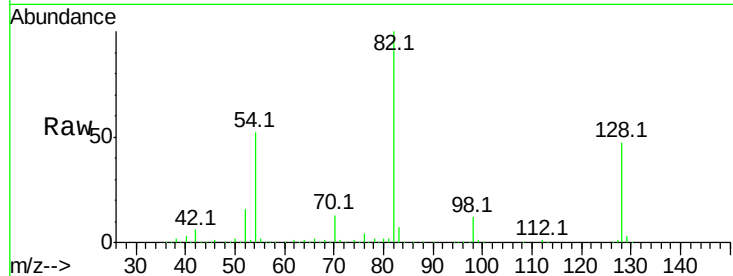
Tot Ion: 82 Resp: 1062555

Ion Ratio Lower Upper

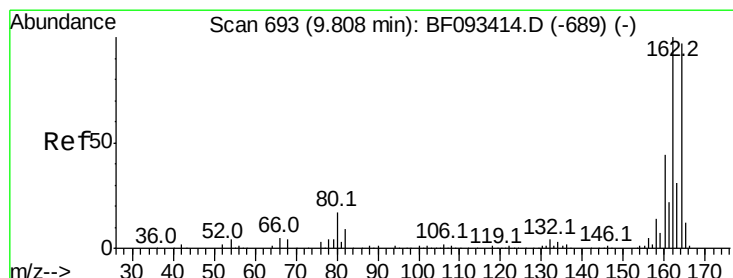
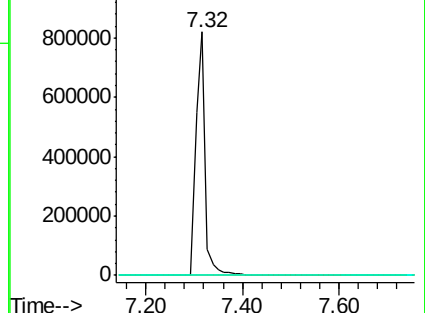
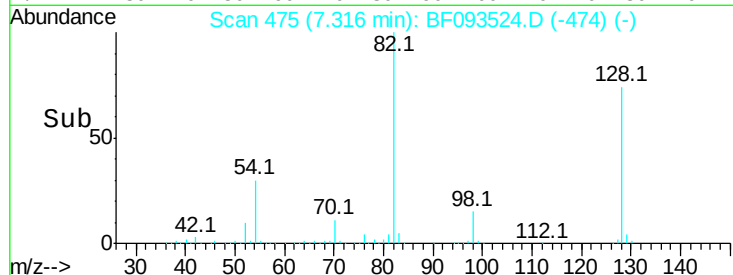
82 100

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

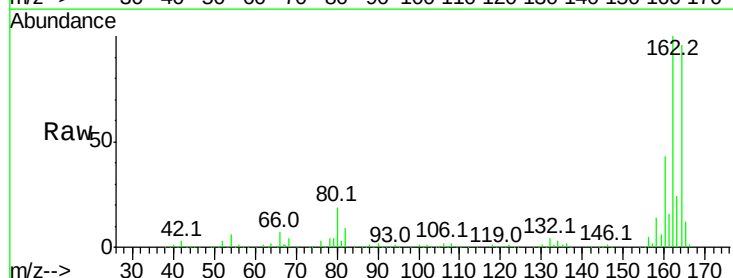
Tgt Ion:164 Resp: 313369

Ion Ratio Lower Upper

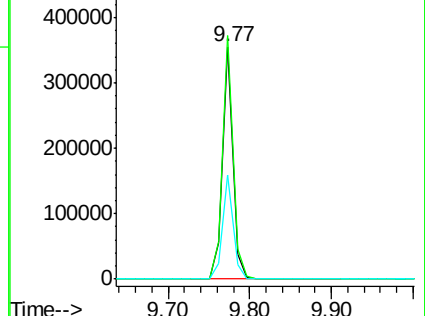
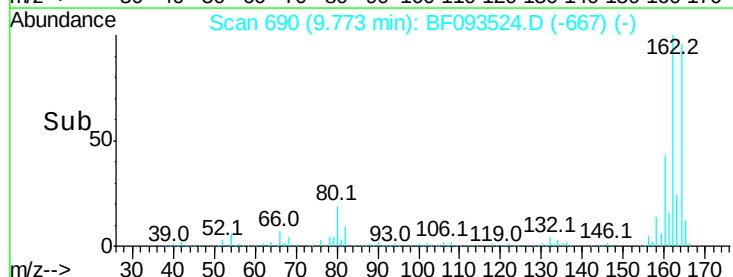
164 100

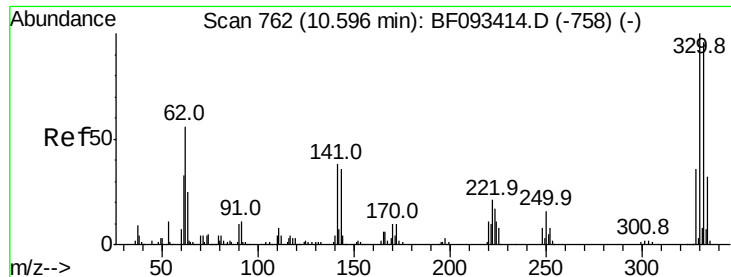
162 104.7 80.2 120.2

160 44.9 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

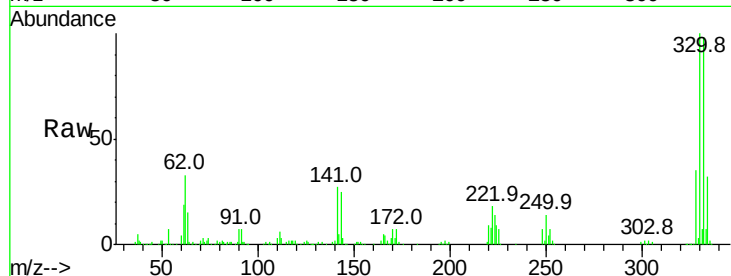




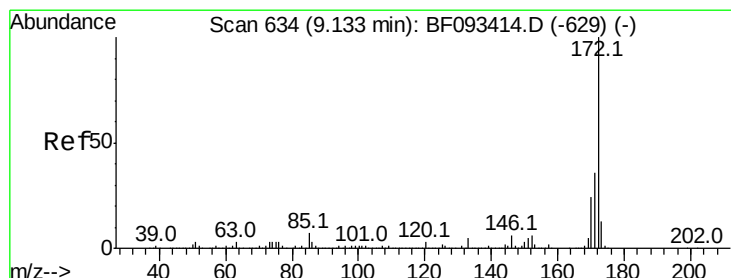
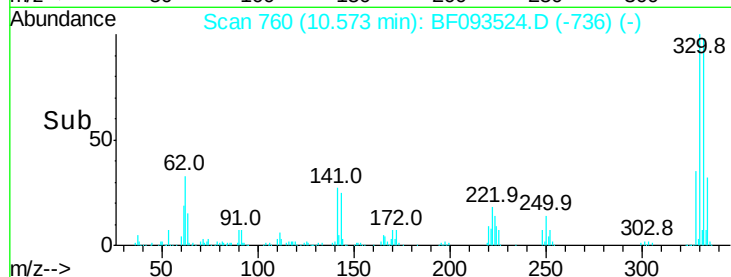
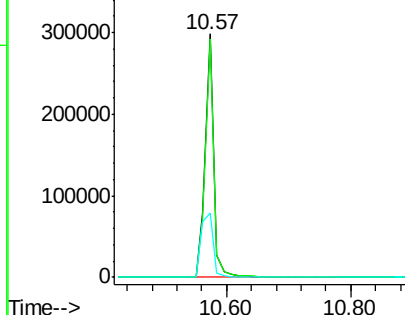
#41
 2,4,6-Tribromophenol
 Concen: 143.07 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093524.D
 Acq: 10 Mar 2017 16:14

Instrument :
 BNA_F
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 WC-B54-B56-001

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	37.3	34.1	51.1

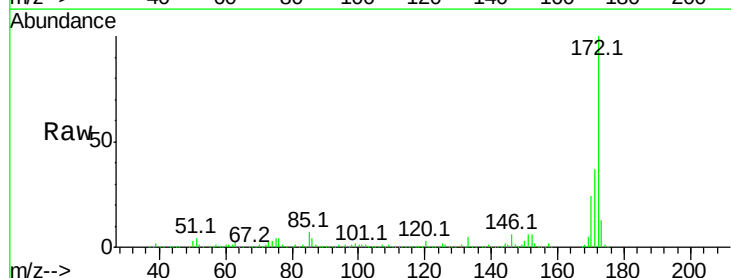


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

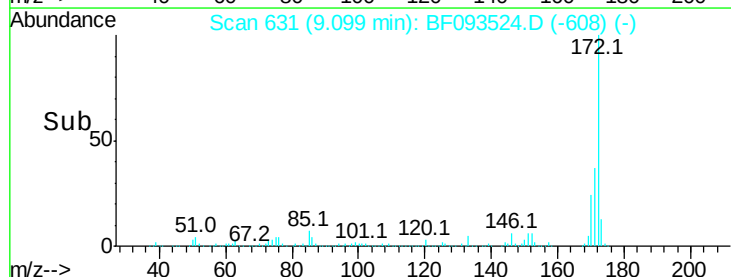
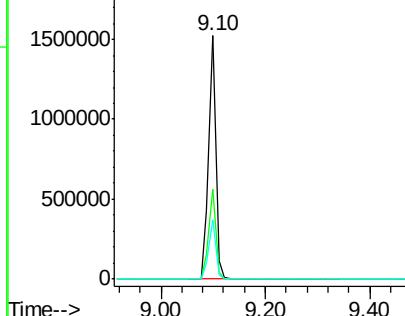


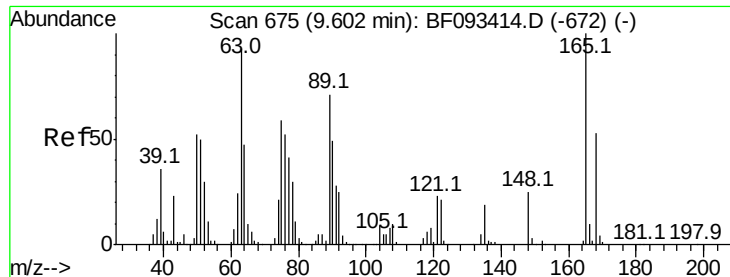
#44
 2-Fluorobiphenyl
 Concen: 85.88 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093524.D
 Acq: 10 Mar 2017 16:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.3	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: 8.83 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

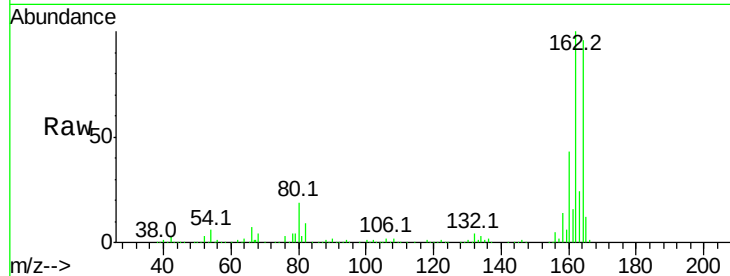
Tot Ion:165 Resp: 40245

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

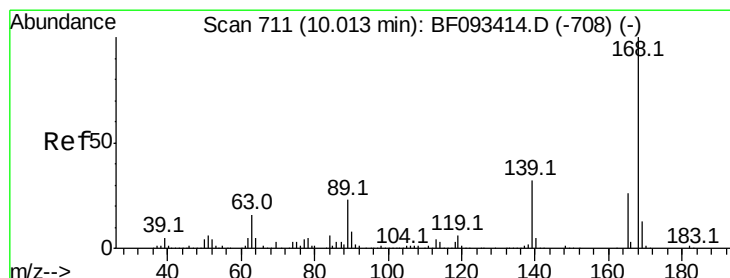
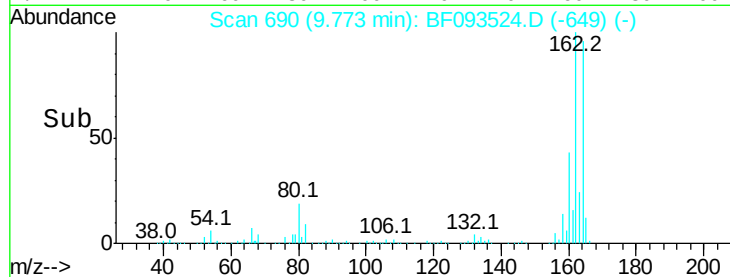
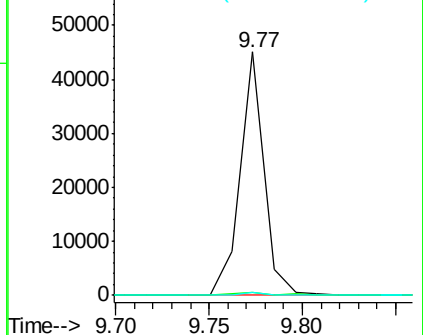
89 1.3 40.2 60.4#



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: 7.19 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.24 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Tgt Ion:165 Resp: 40246

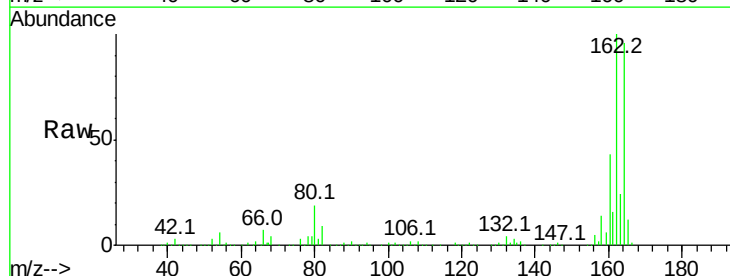
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

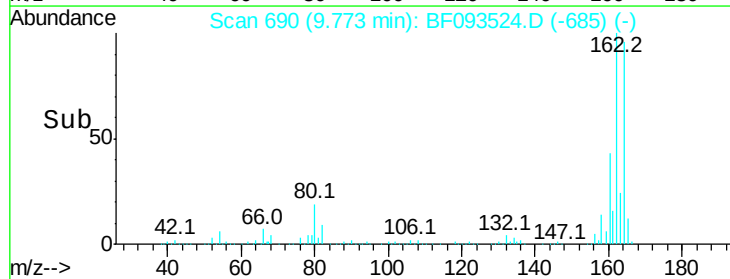
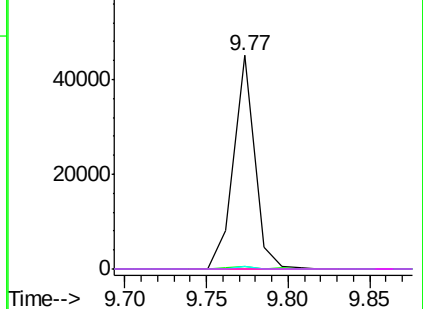


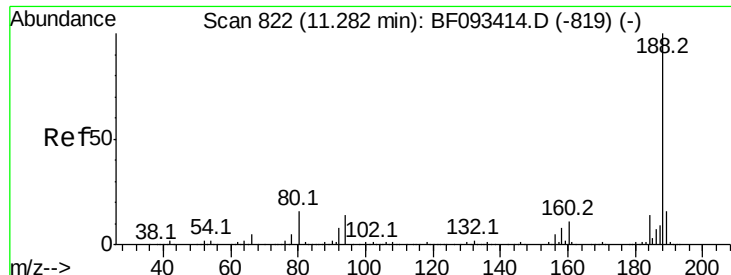
Abundance Ion 165.00 (164.70 to 165.70): E

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

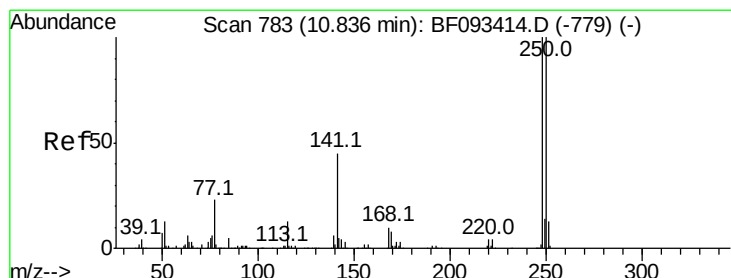
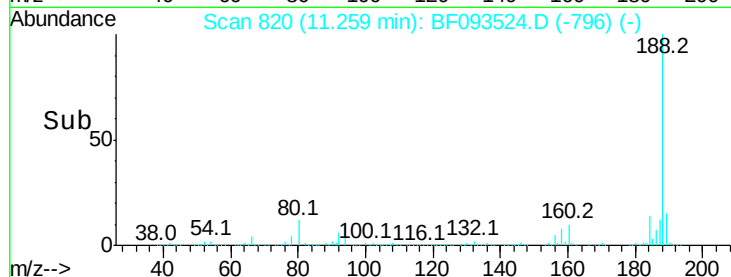
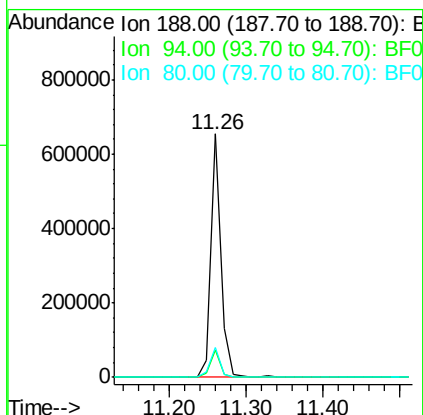
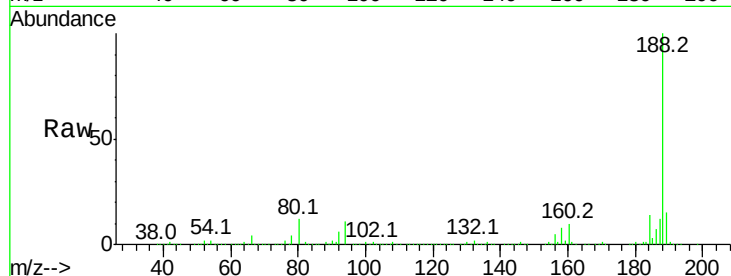




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF093524.D
 Acq: 10 Mar 2017 16:14

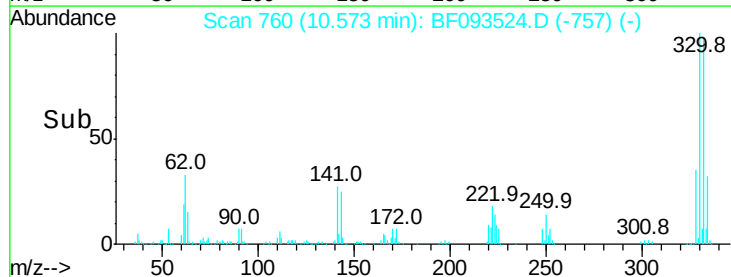
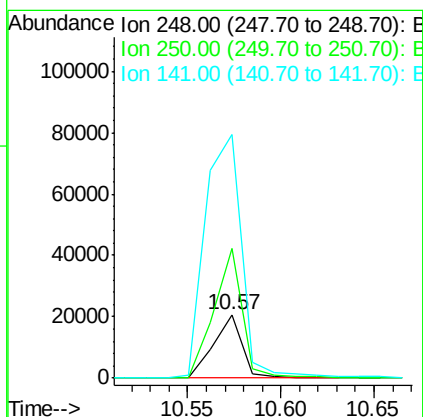
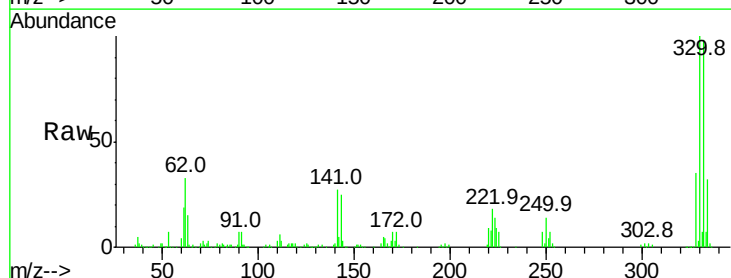
Instrument :
 BNA_F
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 WC-B54-B56-001

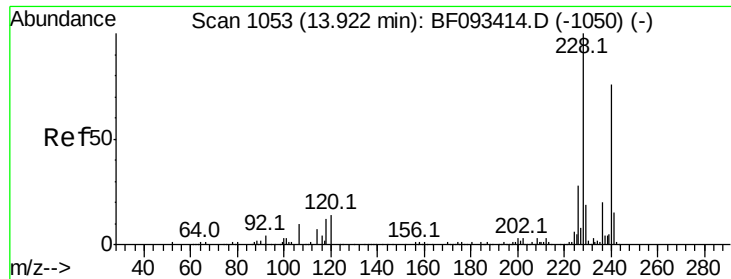
Tot Ion:188 Resp: 589491
 Ion Ratio Lower Upper
 188 100
 94 11.1 10.0 15.0
 80 12.0 11.2 16.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.54 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.26 min
 Lab File: BF093524.D
 Acq: 10 Mar 2017 16:14

Tgt Ion:248 Resp: 22067
 Ion Ratio Lower Upper
 248 100
 250 205.6 76.9 115.3#
 141 384.5 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

Instrument :

BNA_F

ClientSampleId :

WC-B54-B56-001

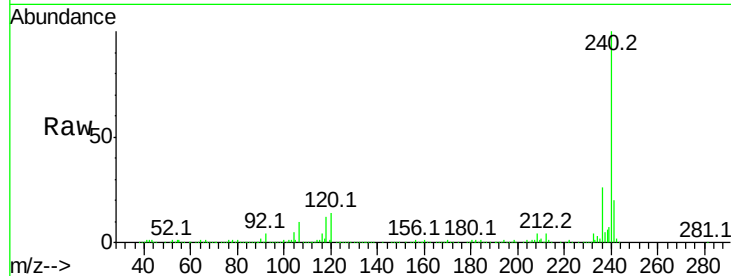
Tot Ion:240 Resp: 523823

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

236 25.8 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

600000

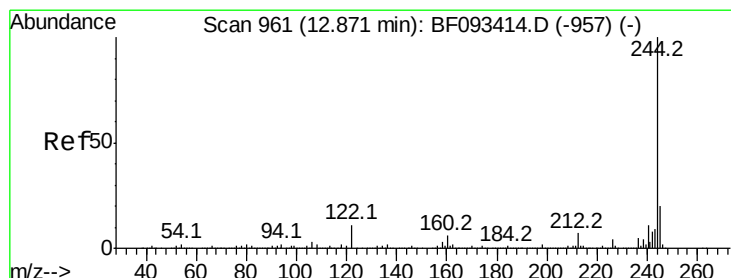
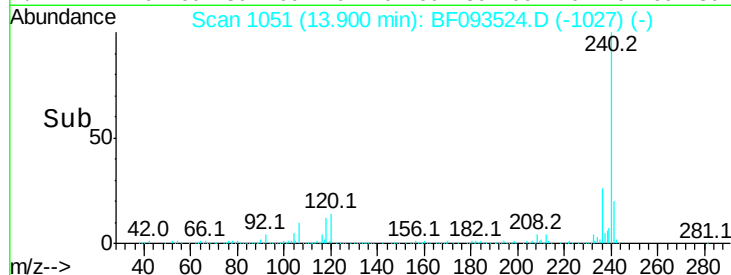
400000

200000

0

13.90

Time-->



#78

Terphenyl-d14

Concen: 74.26 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093524.D

Acq: 10 Mar 2017 16:14

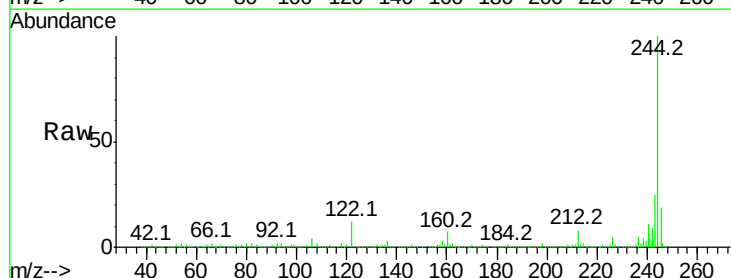
Tgt Ion:244 Resp: 1496163

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 11.5 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

2000000

1500000

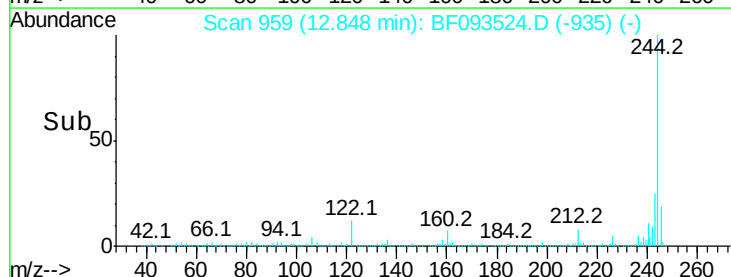
1000000

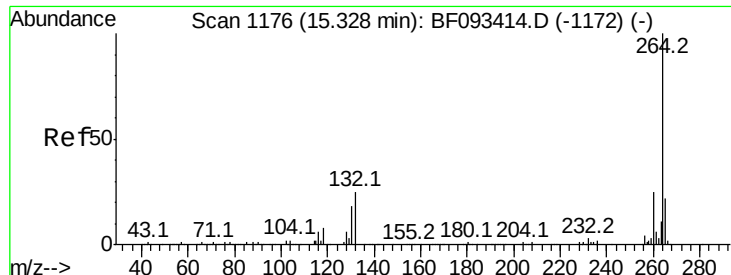
500000

0

12.85

Time-->

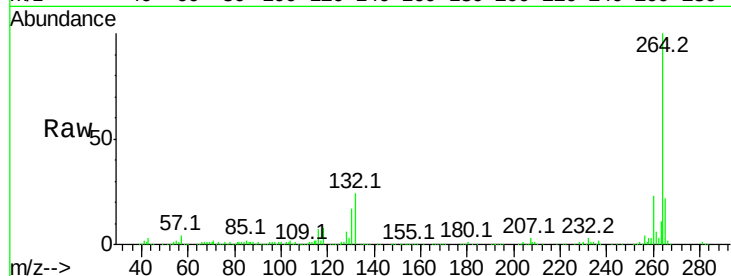




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF093524.D
Acq: 10 Mar 2017 16:14

Instrument :
BNA_F
ClientSampleId :
WC-B54-B56-001

Tot Ion:	264	Resp:	382602
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.8	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

