

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093695.D
 Acq On : 16 Mar 2017 6:29
 Operator : SJ/MA
 Sample : I2162-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 031317-PRRT-F-D-M

Quant Time: Mar 16 06:59:26 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	6.71	152	147486	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	526231	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	209008	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	305622	20.00	ng	0.00
75) Chrysene-d12	13.89	240	307563	20.00	ng	0.00
86) Perylene-d12	15.29	264	250038	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	430379	48.57	ng	0.00
7) Phenol-d6	6.38	99	357444	31.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	956649	100.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	129543	95.13	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1433116	127.54	ng	0.00
78) Terphenyl-d14	12.83	244	924335	78.14	ng	0.00

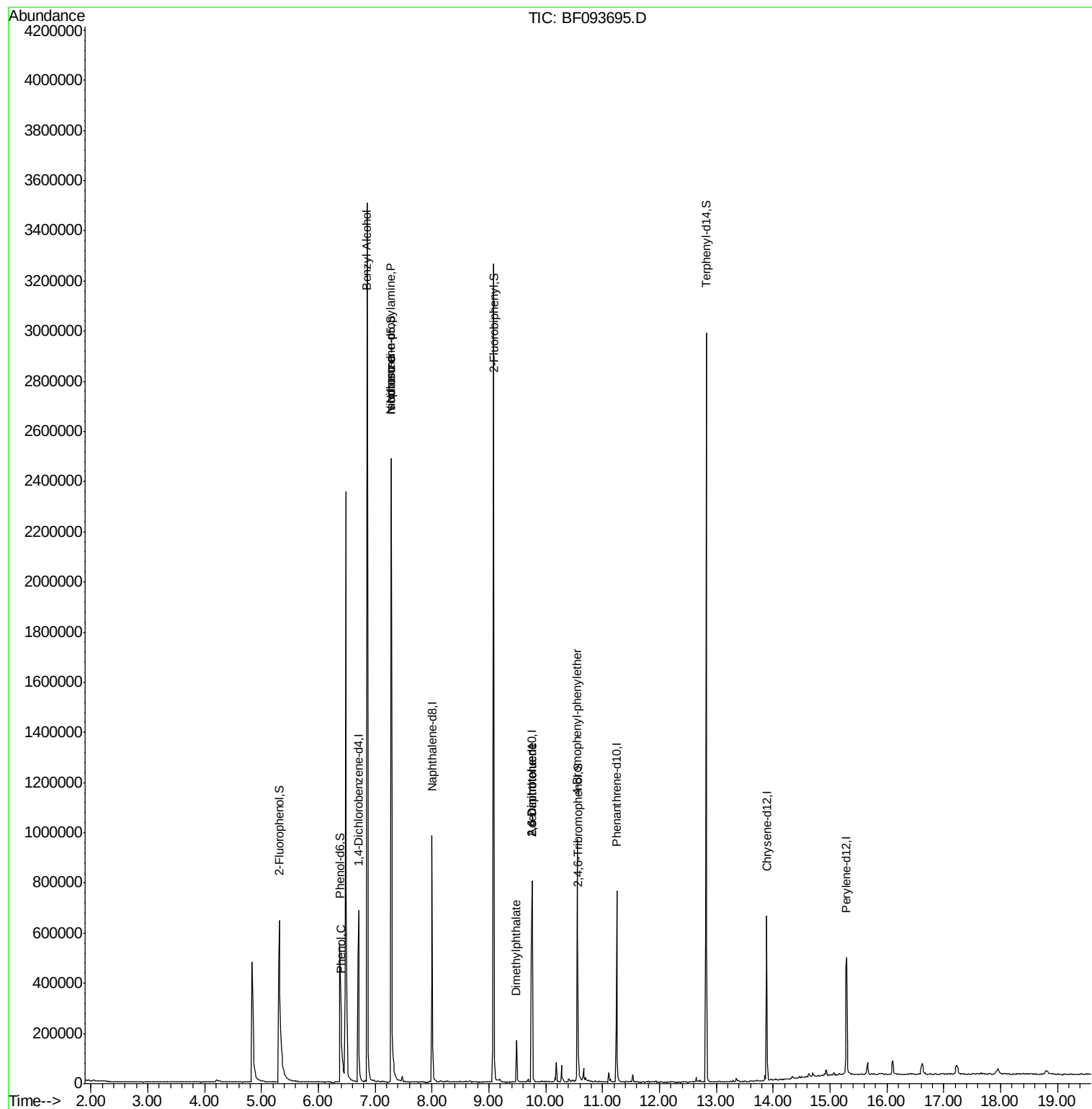
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	1021	Below Cal	#	1
10) Phenol	6.40	94	48372	3.53	ng	96
15) Benzyl Alcohol	6.86	79	16525	2.07	ng	43
19) n-Nitroso-di-n-propylamine	7.28	70	126007	16.40	ng	84
25) Isophorone	7.28	82	937953	49.04	ng	65
49) Dimethylphthalate	9.49	163	72755	5.25	ng	99
50) 2,6-Dinitrotoluene	9.76	165	26882	8.84	ng	32
56) 2,4-Dinitrotoluene	9.76	165	26882	7.20	ng	21
66) 4-Bromophenyl-phenylether	10.55	248	9724	3.01	ng	1

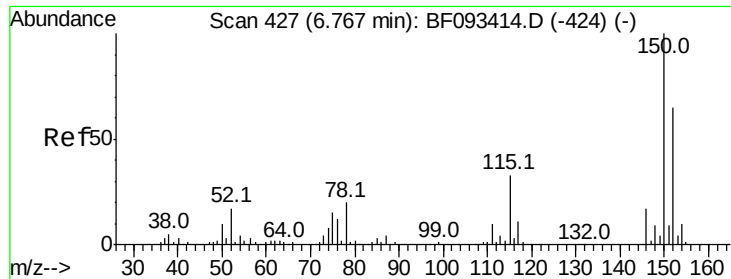
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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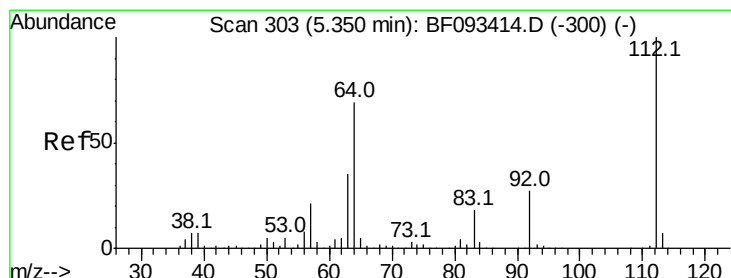
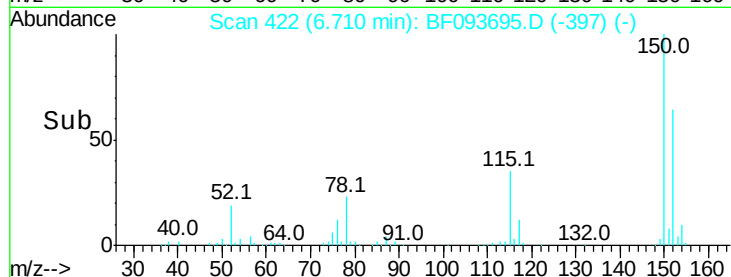
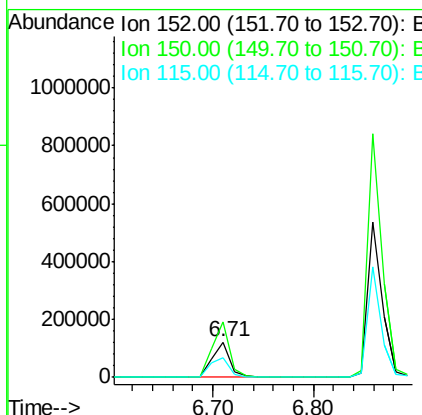
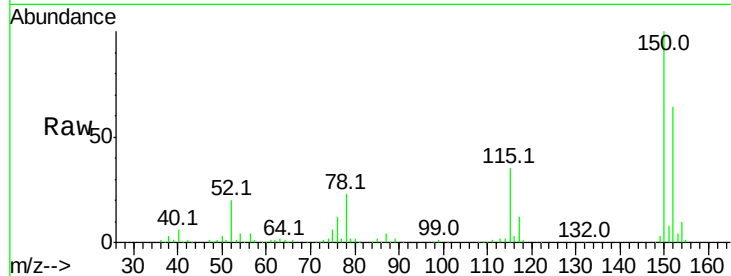


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

Instrument :
 BNA_F
 ClientSampleId :
 031317-PRRT-F-D-M

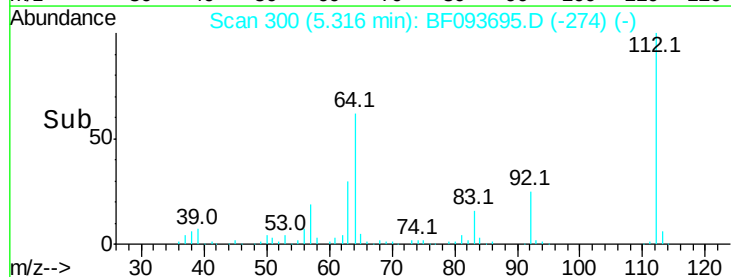
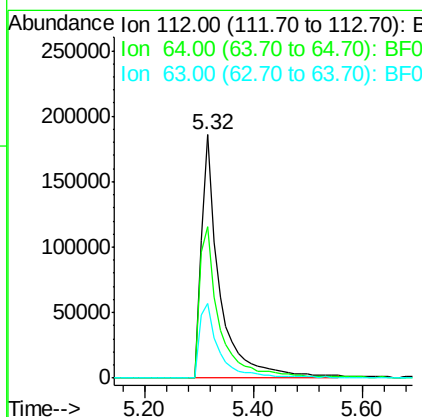
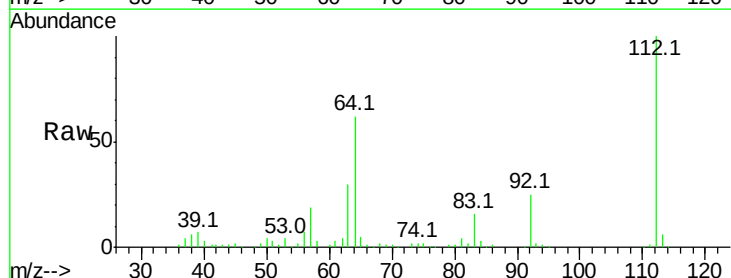
Tot Ion:152 Resp: 147486
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.9 187.3
 115 54.6 46.0 69.0

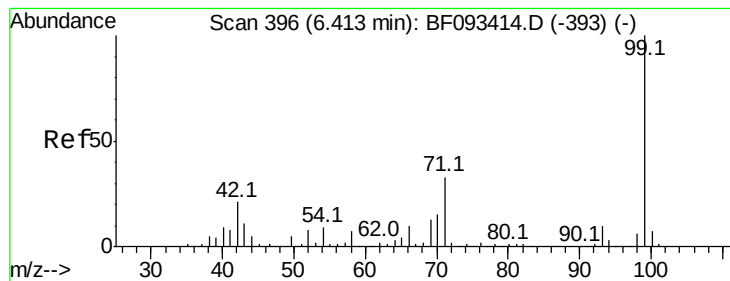


#5

2-Fluorophenol
 Concen: 48.57 ng
 RT: 5.32 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

Tgt Ion:112 Resp: 430379
 Ion Ratio Lower Upper
 112 100
 64 62.0 46.1 69.1
 63 30.4 23.8 35.6





#7

Phenol-d6

Concen: 31.99 ng

RT: 6.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

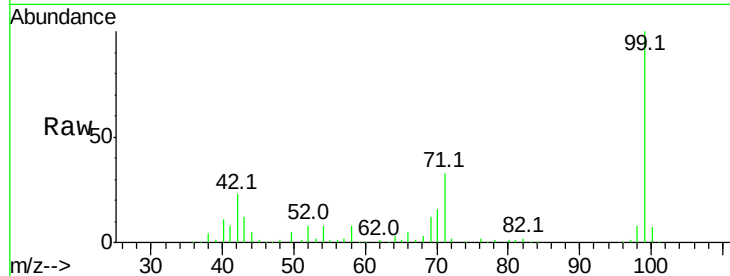
Tot Ion: 99 Resp: 357444

Ion Ratio Lower Upper

99 100

42 22.6 15.6 23.4

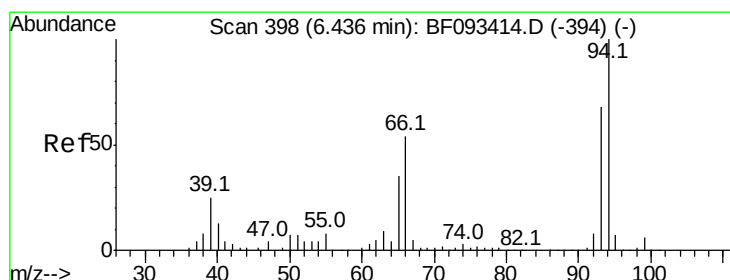
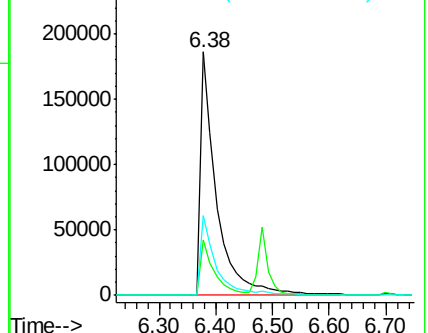
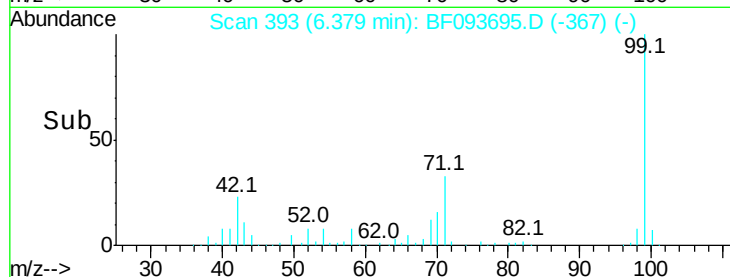
71 32.5 27.5 41.3



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



#10

Phenol

Concen: 3.53 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

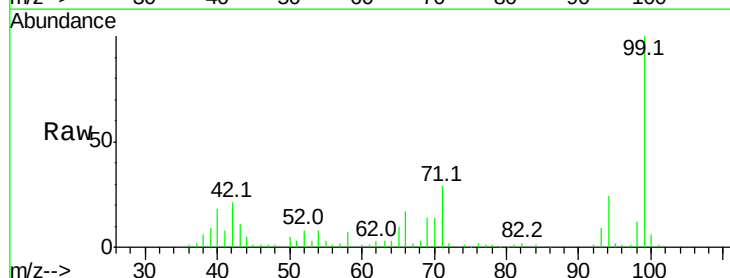
Tgt Ion: 94 Resp: 48372

Ion Ratio Lower Upper

94 100

65 38.9 21.4 61.4

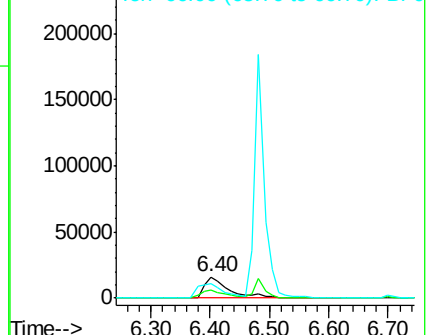
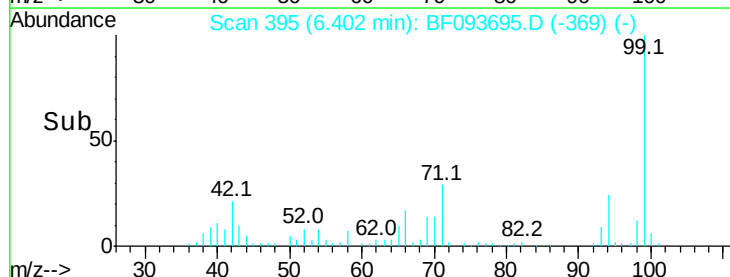
66 67.6 44.0 84.0

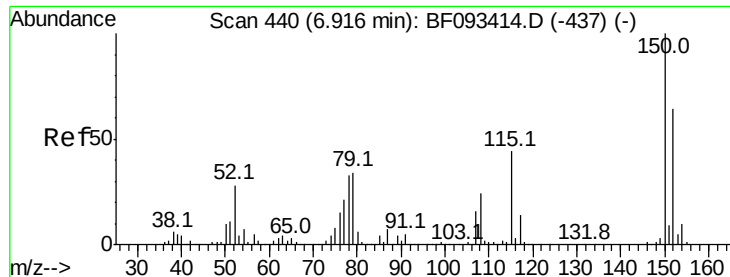


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

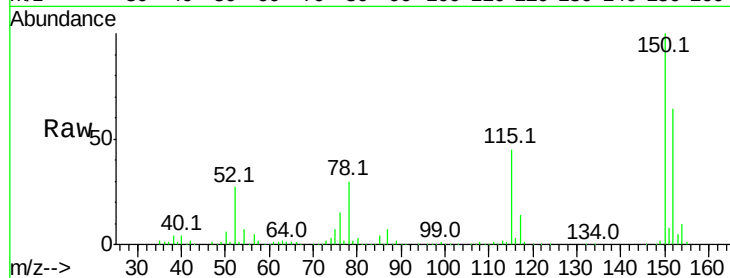
Tot Ion: 79 Resp: 16525

Ion Ratio Lower Upper

79 100

108 28.1 61.4 92.0#

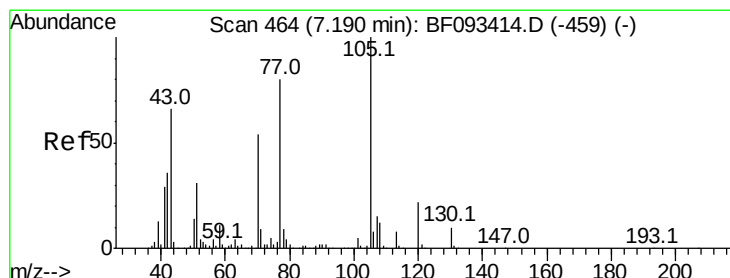
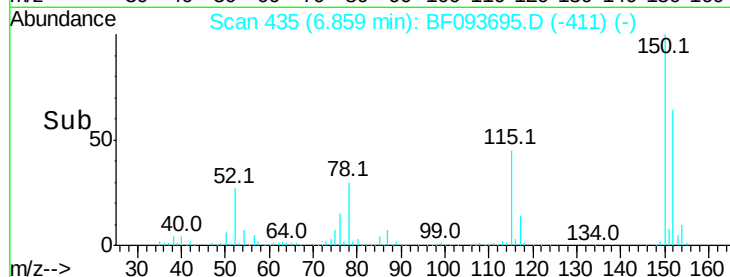
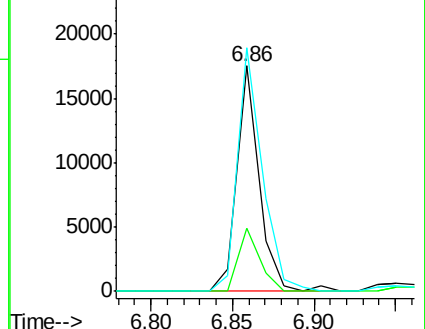
77 108.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.40 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Tgt Ion: 70 Resp: 126007

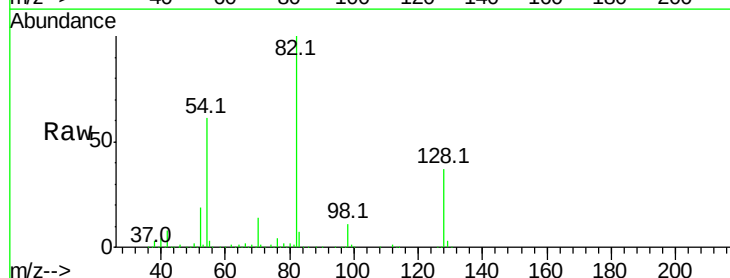
Ion Ratio Lower Upper

70 100

42 54.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

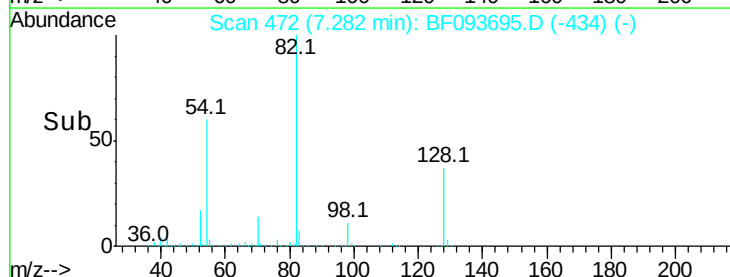
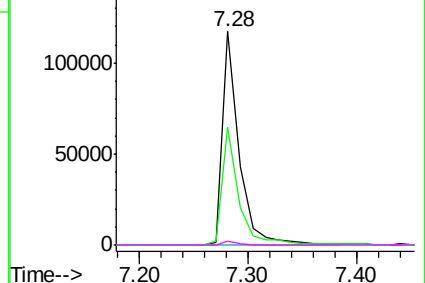


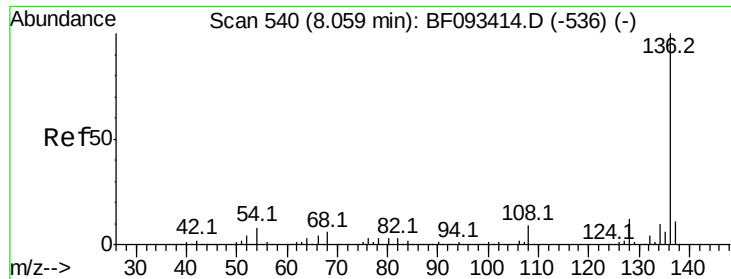
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

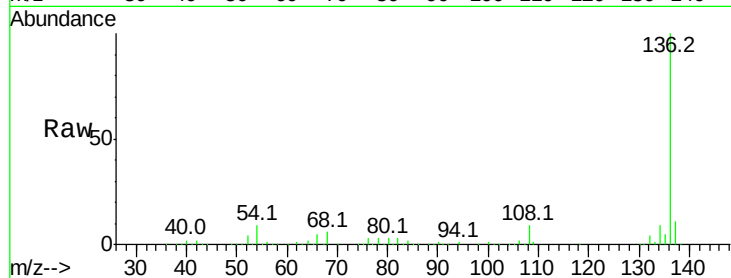




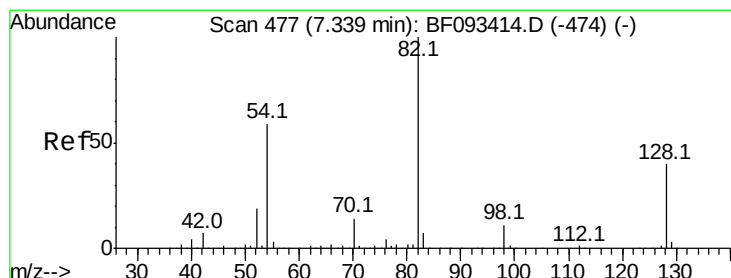
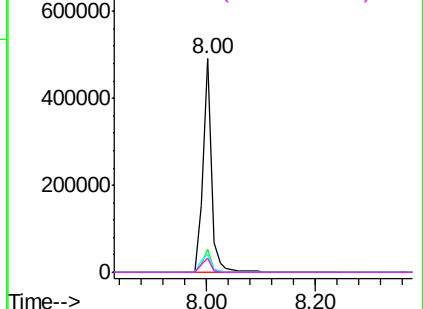
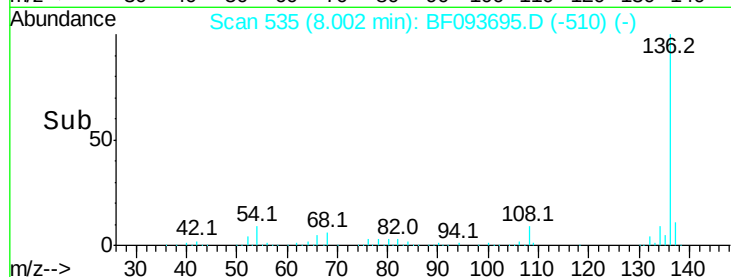
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093695.D
Acq: 16 Mar 2017 6:29

Instrument :
BNA_F
ClientSampleId :
031317-PRRT-F-D-M

Tot Ion:136	Resp:	526231
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.4 12.6
54	8.6	4.5 6.7#
68	6.3	3.6 5.4#

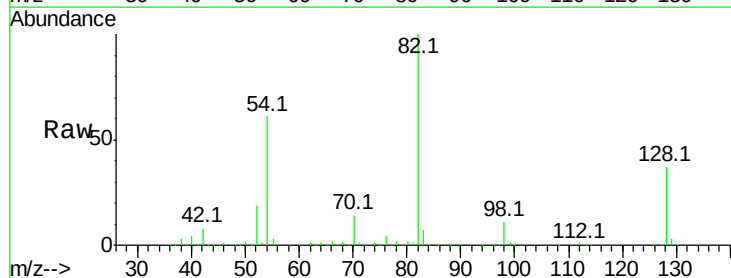


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

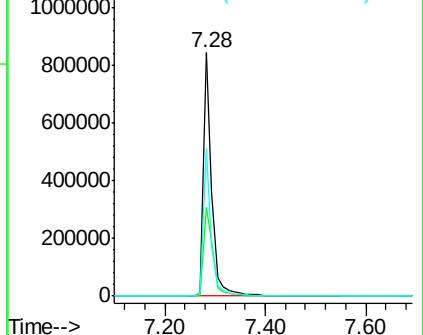
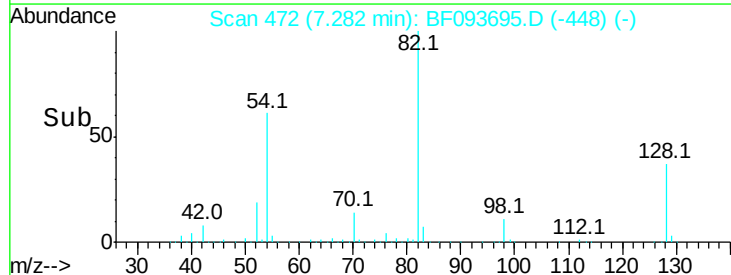


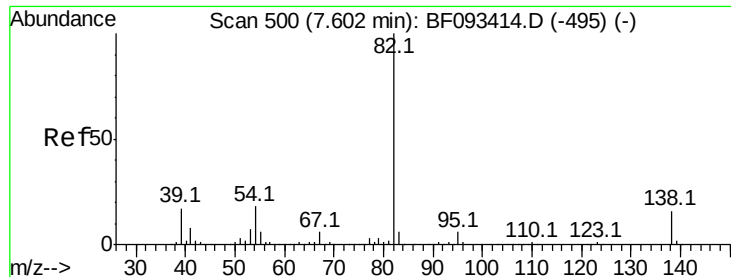
#23
Nitrobenzene-d5
Concen: 100.87 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093695.D
Acq: 16 Mar 2017 6:29

Tgt Ion: 82	Resp:	956649
Ion Ratio	Lower	Upper
82	100	
128	36.5	34.6 52.0
54	60.8	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: 49.04 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

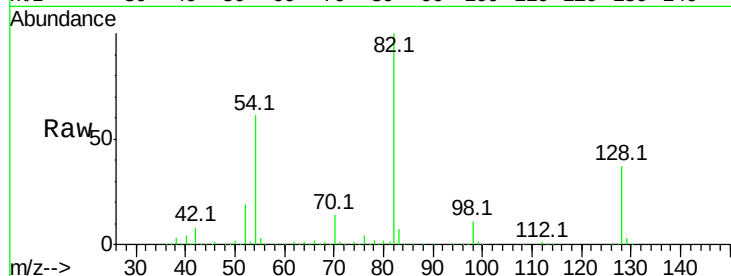
Tot Ion: 82 Resp: 937953

Ion Ratio Lower Upper

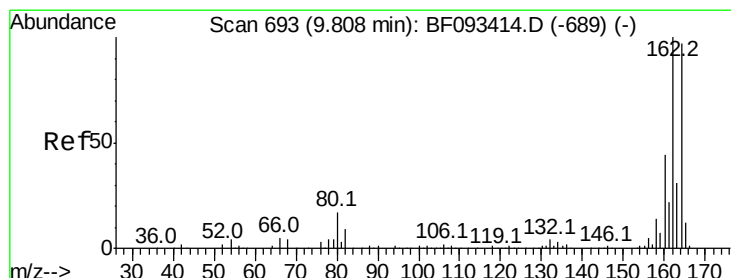
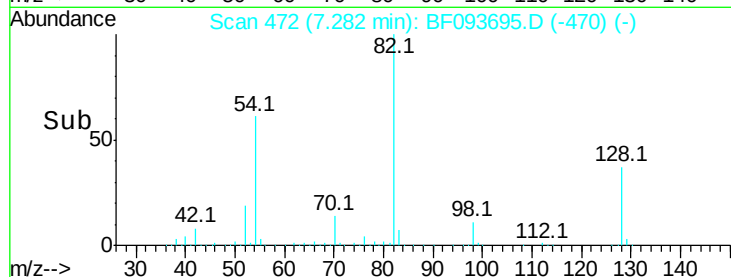
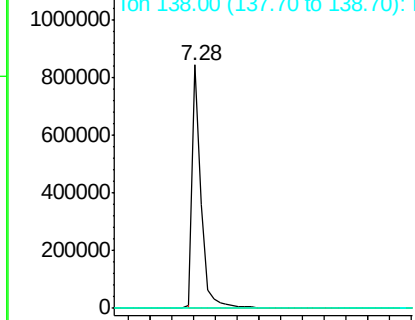
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

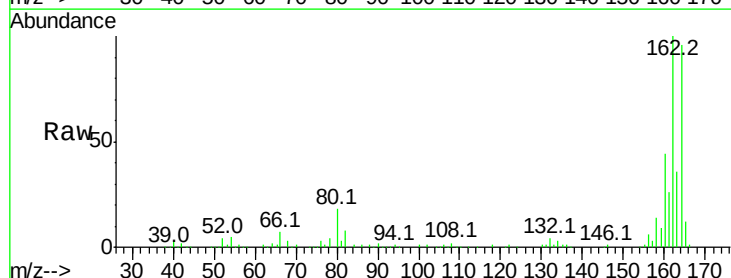
Tgt Ion: 164 Resp: 209008

Ion Ratio Lower Upper

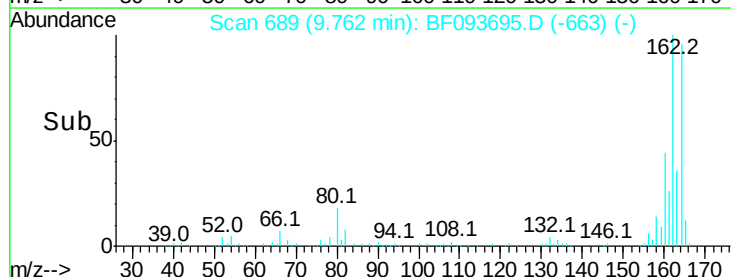
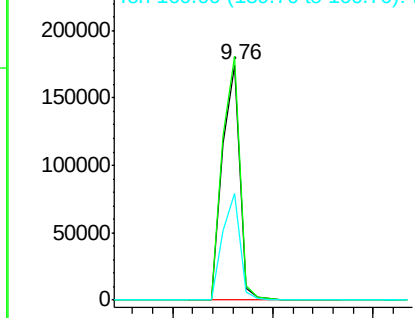
164 100

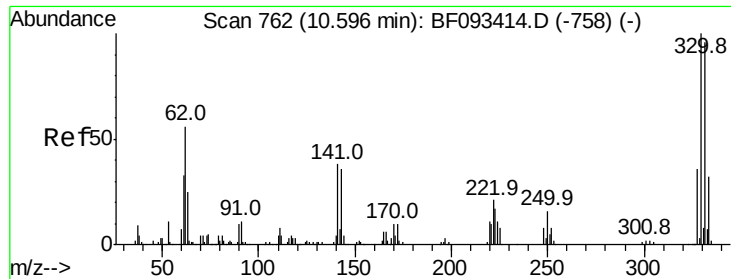
162 103.7 80.2 120.2

160 45.7 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

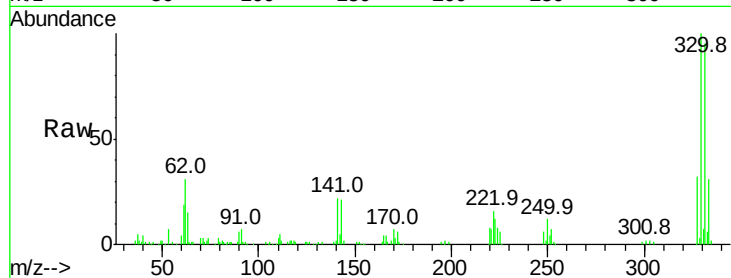




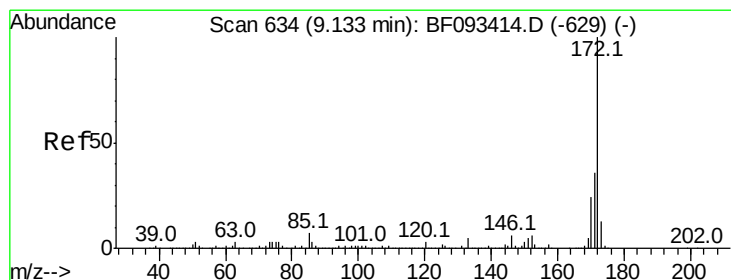
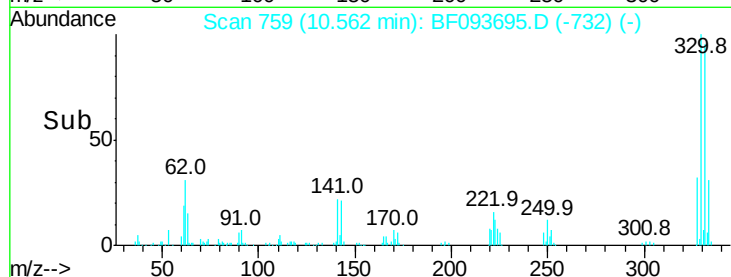
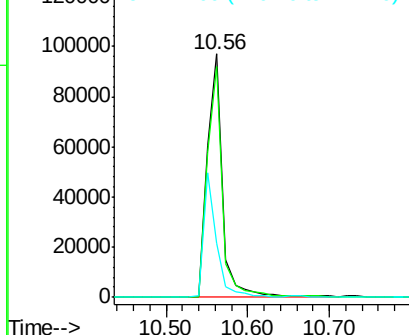
#41
 2,4,6-Tribromophenol
 Concen: 95.13 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

Instrument :
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 031317-PRRT-F-D-M

Tot Ion:330 Resp: 129543
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.4 116.2
 141 44.2 34.1 51.1

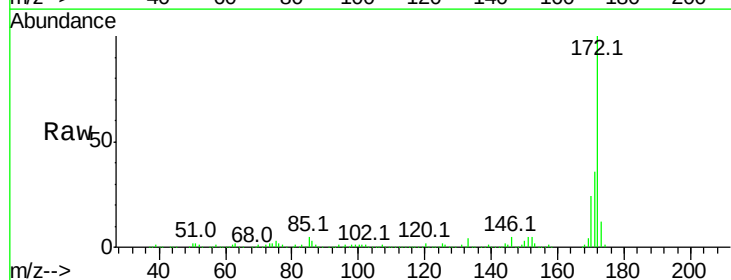


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

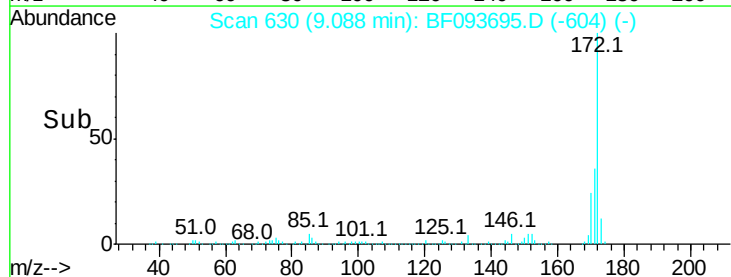
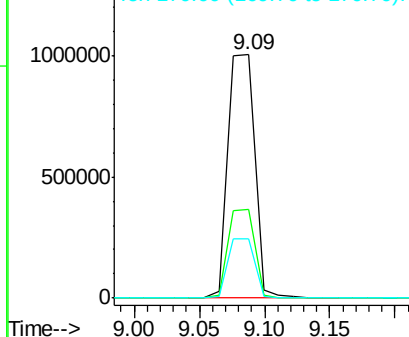


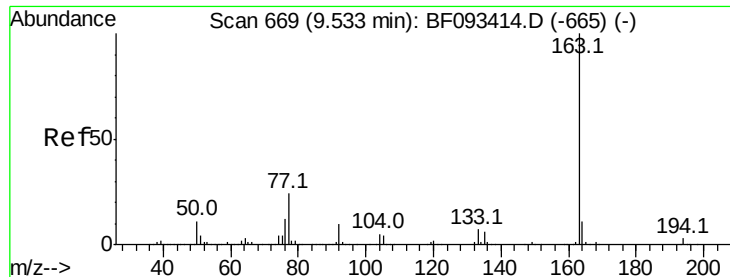
#44
 2-Fluorobiphenyl
 Concen: 127.54 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

Tgt Ion:172 Resp: 1433116
 Ion Ratio Lower Upper
 172 100
 171 36.3 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





#49

Dimethylphthalate

Concen: 5.25 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

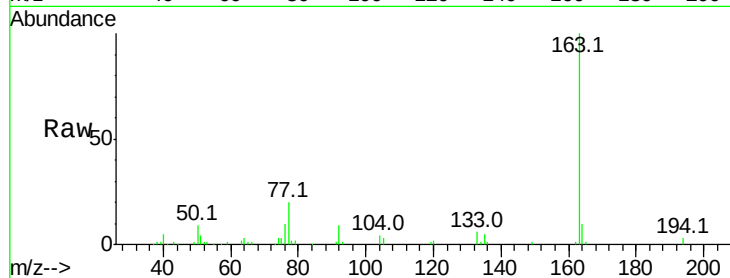
Tot Ion:163 Resp: 72755

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

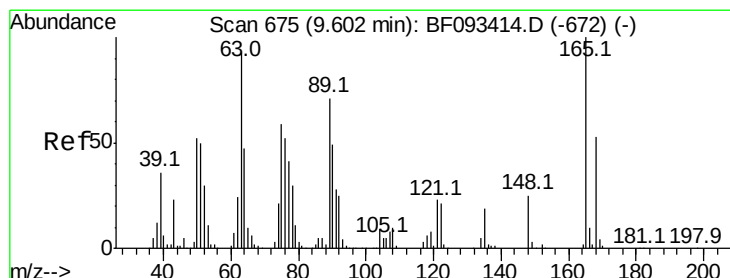
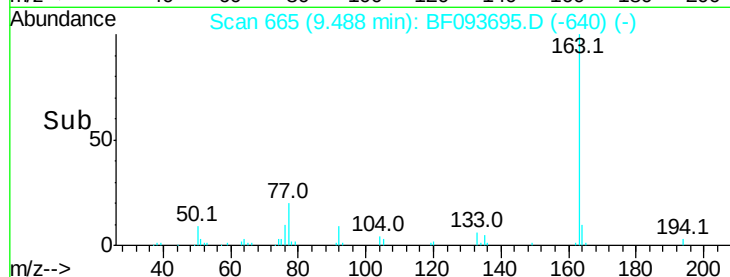
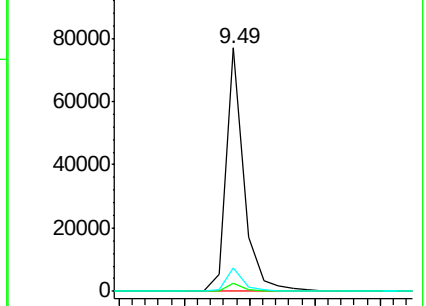
164 9.8 8.0 12.0



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: 8.84 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

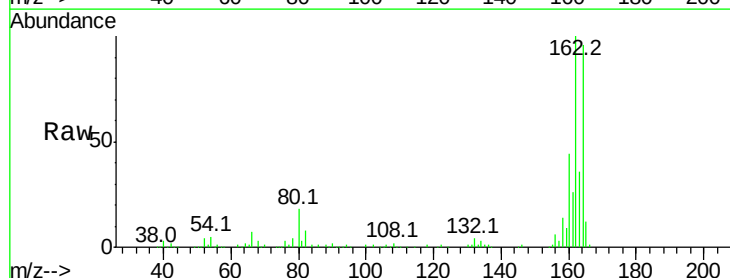
Tgt Ion:165 Resp: 26882

Ion Ratio Lower Upper

165 100

63 2.0 36.2 54.4#

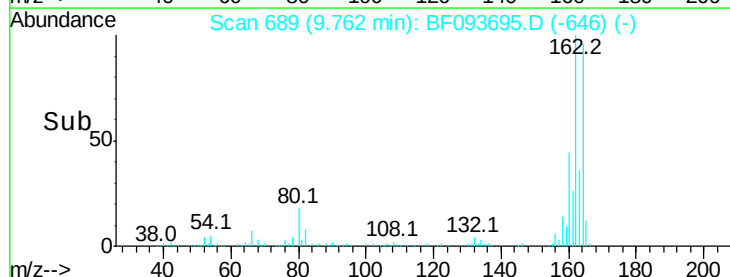
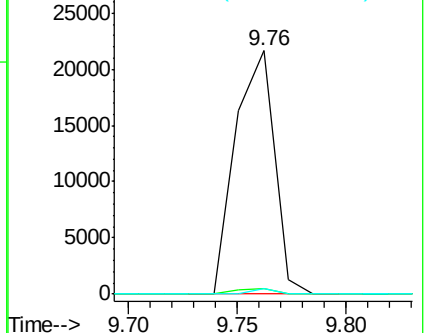
89 2.0 40.2 60.4#

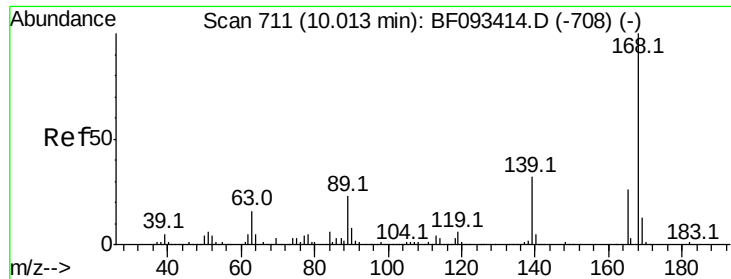


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

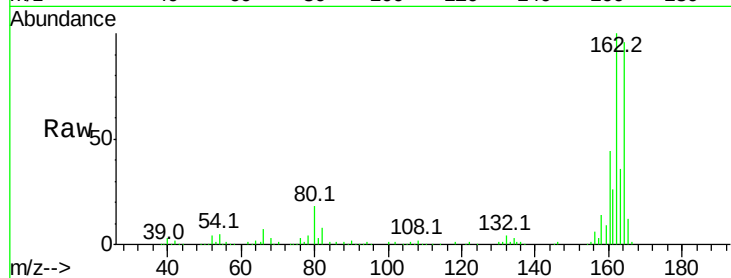




#56
 2,4-Dinitrotoluene
 Concen: 7.20 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

Instrument :
 BNA_F
 ClientSampleId :
 031317-PRRT-F-D-M

Tot Ion:	165	Resp:	26882
Ion Ratio	Lower	Upper	
165	100		
63	2.0	40.2	60.4#
89	2.0	62.5	93.7#
182	0.0	1.8	2.8#

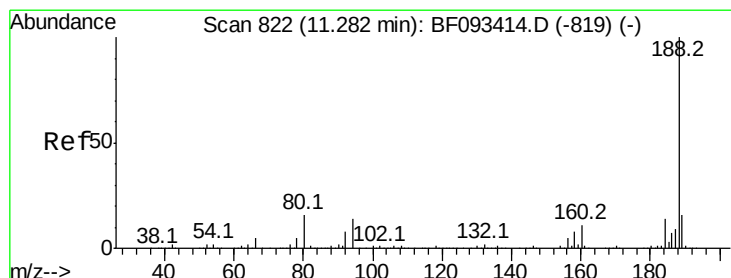
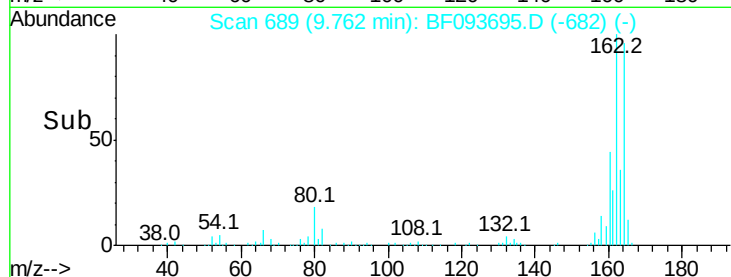
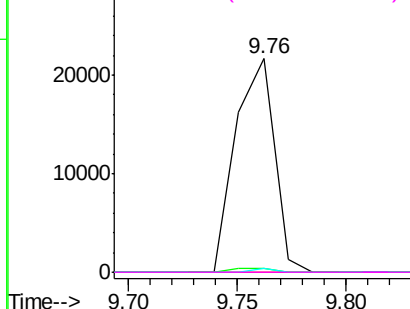


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

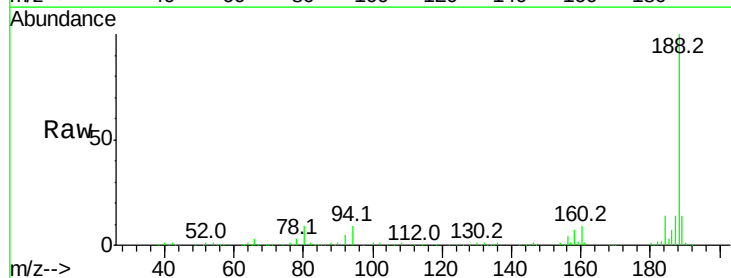
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF093695.D
 Acq: 16 Mar 2017 6:29

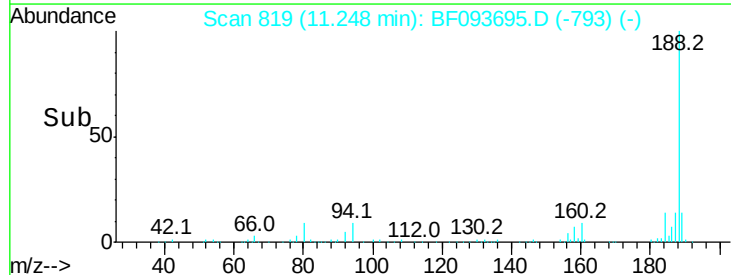
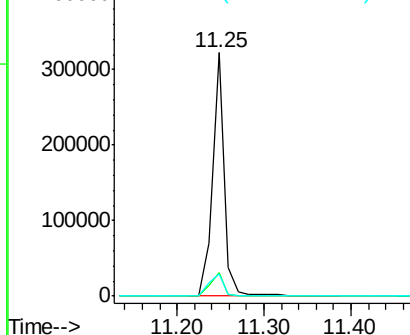
Tgt Ion:	188	Resp:	305622
Ion Ratio	Lower	Upper	
188	100		
94	9.4	10.0	15.0#
80	9.4	11.2	16.8#

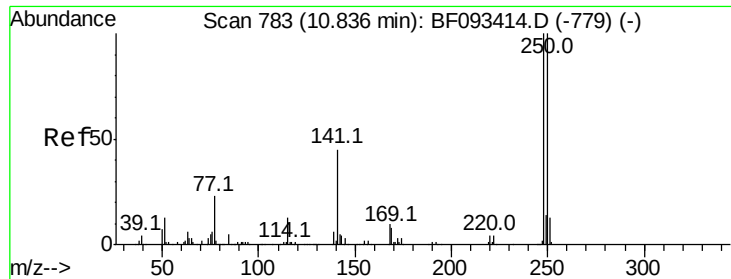


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.01 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

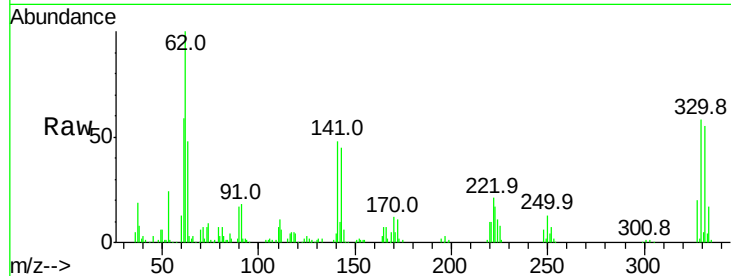
Tot Ion:248 Resp: 9724

Ion Ratio Lower Upper

248 100

250 197.2 76.9 115.3#

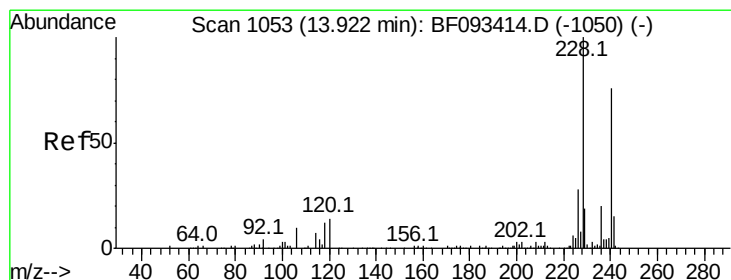
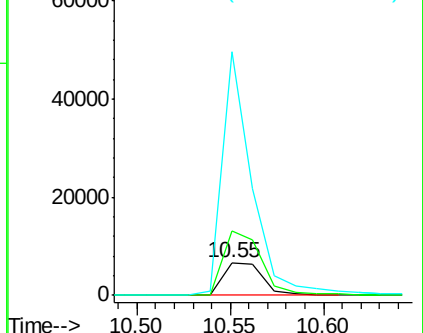
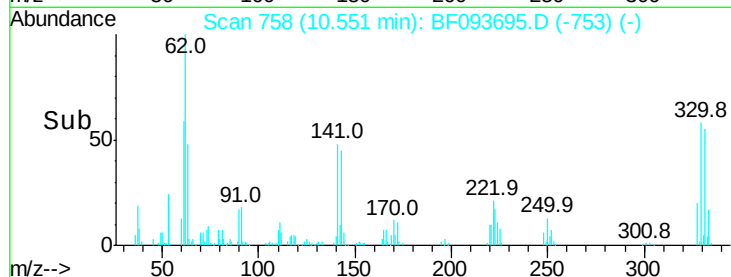
141 745.8 68.2 102.4#



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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

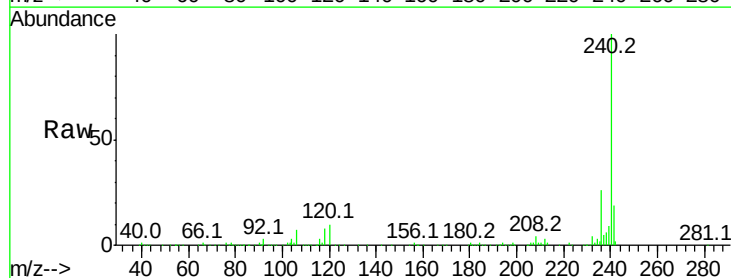
Tgt Ion:240 Resp: 307563

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

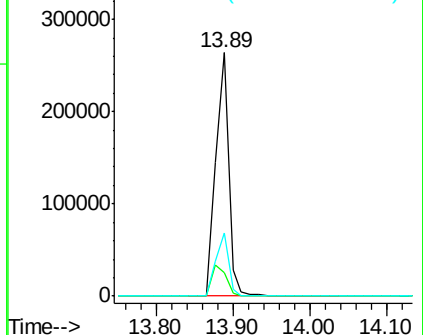
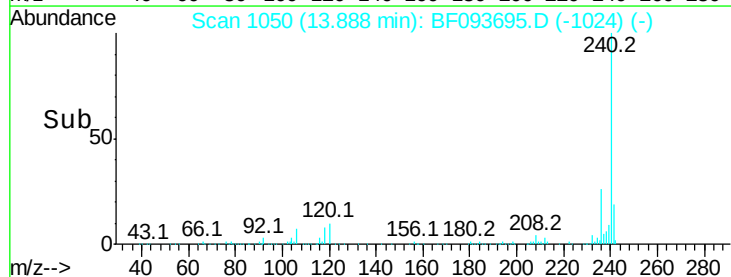
236 26.0 20.9 31.3

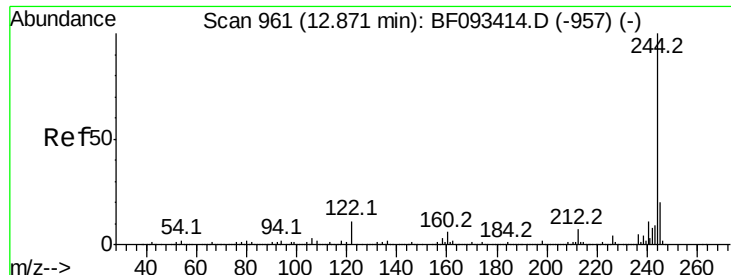


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.14 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-D-M

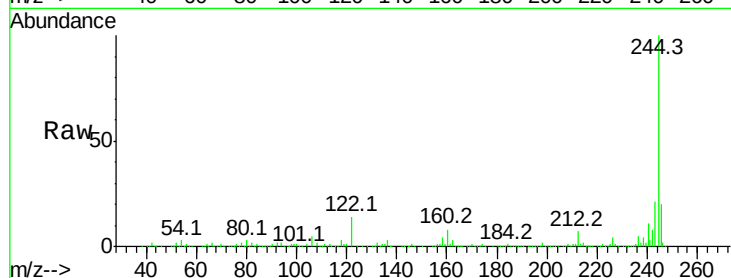
Tot Ion:244 Resp: 924335

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

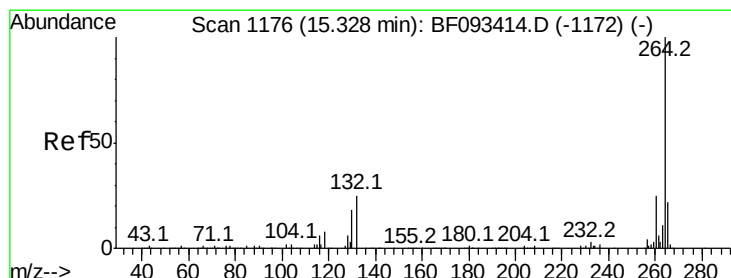
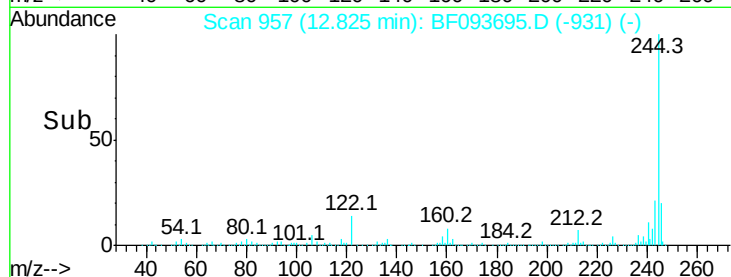
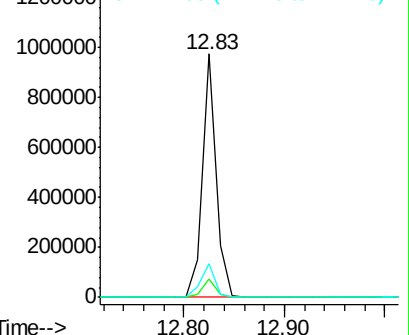
122 13.9 11.4 17.2



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: 15.29 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF093695.D

Acq: 16 Mar 2017 6:29

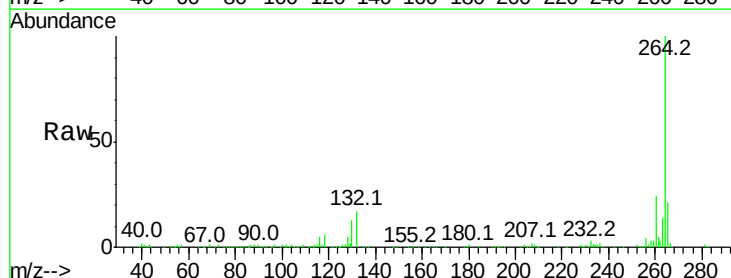
Tgt Ion:264 Resp: 250038

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 20.7 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

