

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093696.D
 Acq On : 16 Mar 2017 6:56
 Operator : SJ/MA
 Sample : I2162-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Mar 16 07:27:46 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	145145	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	467564	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	178069	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	287620	20.00	ng	0.00
75) Chrysene-d12	13.89	240	305664	20.00	ng	0.00
86) Perylene-d12	15.29	264	259894	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	441312	50.60	ng	0.00
7) Phenol-d6	6.38	99	361662	32.89	ng	0.00
23) Nitrobenzene-d5	7.28	82	981129	116.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	124543	107.35	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1331507	139.08	ng	0.00
78) Terphenyl-d14	12.84	244	983643	83.67	ng	0.01

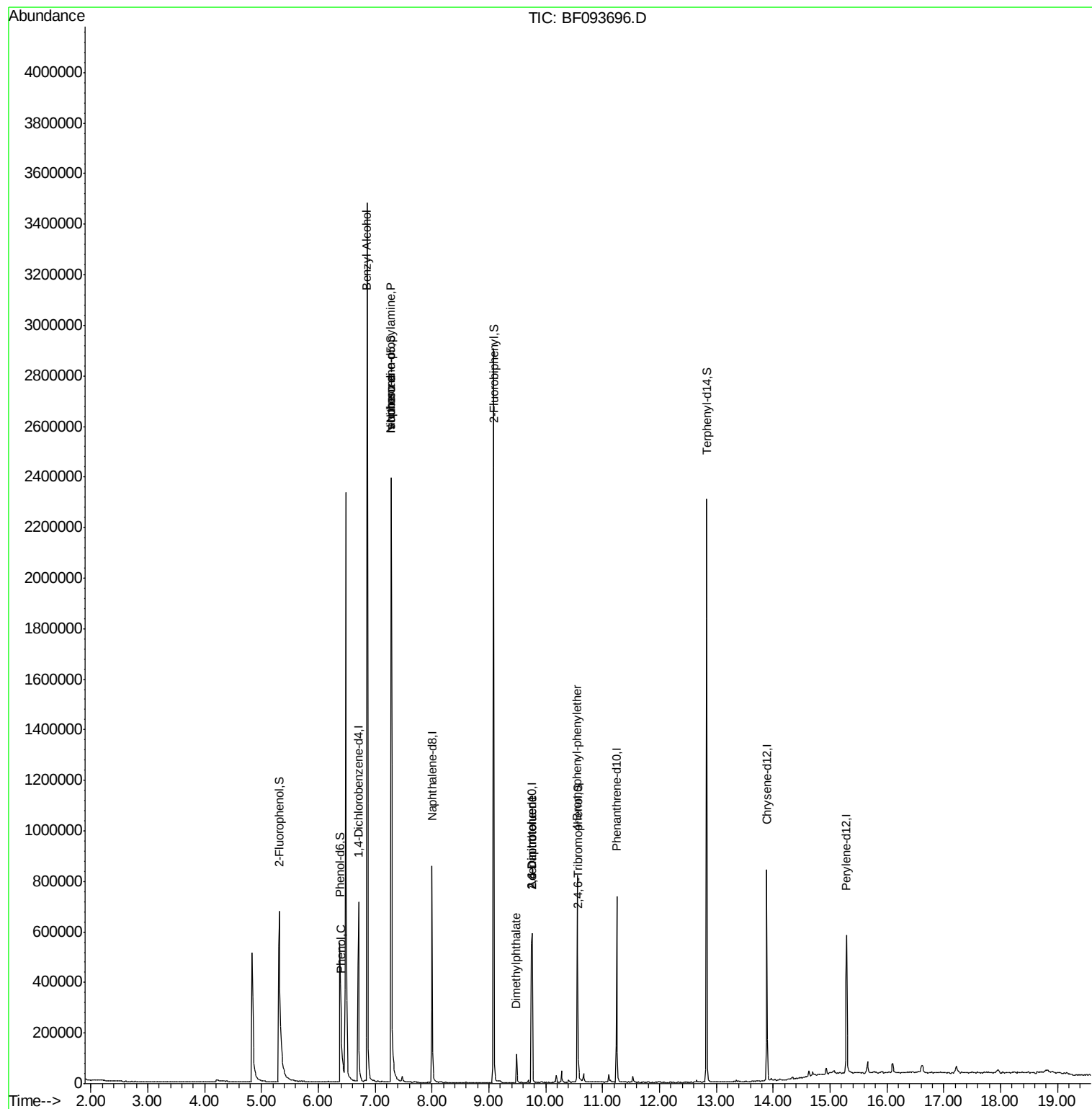
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	929	Below Cal	#	1
10) Phenol	6.40	94	40764	3.02	ng	91
15) Benzyl Alcohol	6.86	79	16735	2.13	ng	40
19) n-Nitroso-di-n-propylamine	7.28	70	131379	17.38	ng	84
25) Isophorone	7.28	82	972239	57.21	ng	65
49) Dimethylphthalate	9.49	163	54343	4.60	ng	99
50) 2,6-Dinitrotoluene	9.76	165	21744	8.39	ng	30
56) 2,4-Dinitrotoluene	9.76	165	21744	6.83	ng	19
66) 4-Bromophenyl-phenylether	10.55	248	8430	2.77	ng	1

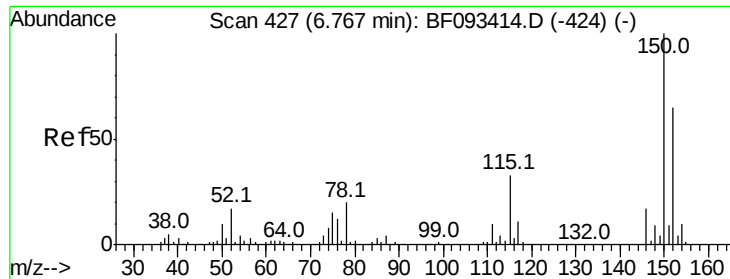
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

BNA_F

ClientSampleId :

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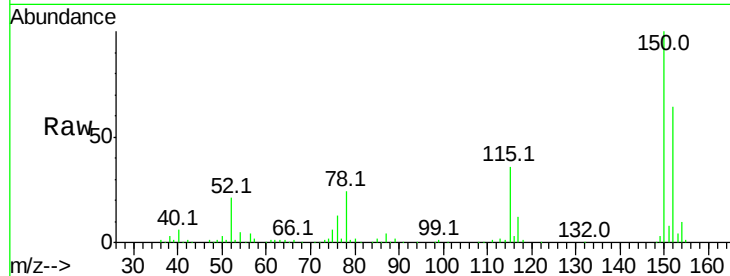
Tot Ion:152 Resp: 145145

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

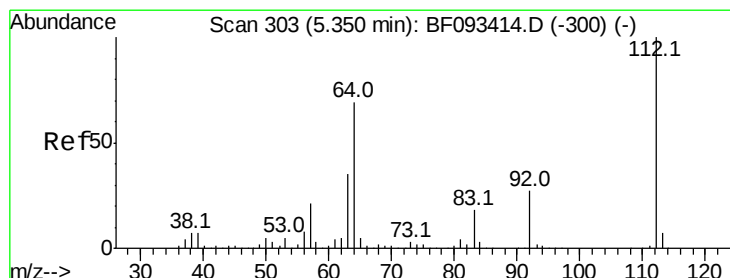
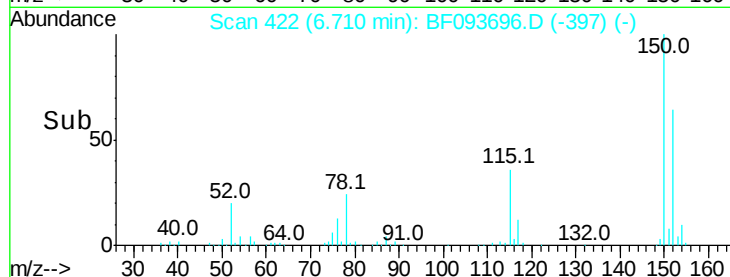
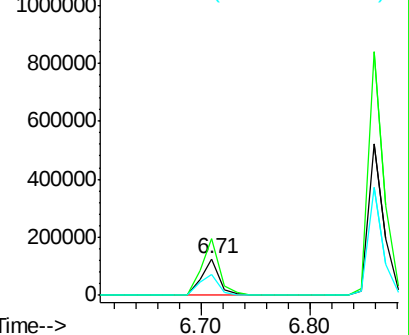
115 56.6 46.0 69.0



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: 50.60 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

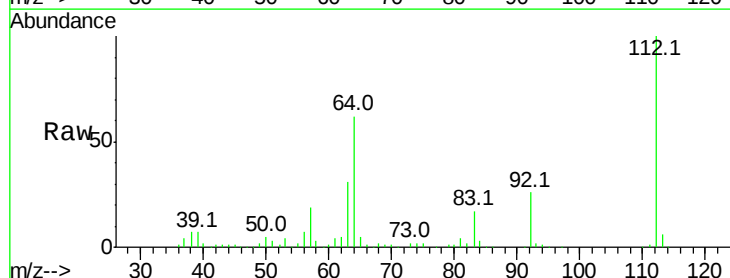
Tgt Ion:112 Resp: 441312

Ion Ratio Lower Upper

112 100

64 62.2 46.1 69.1

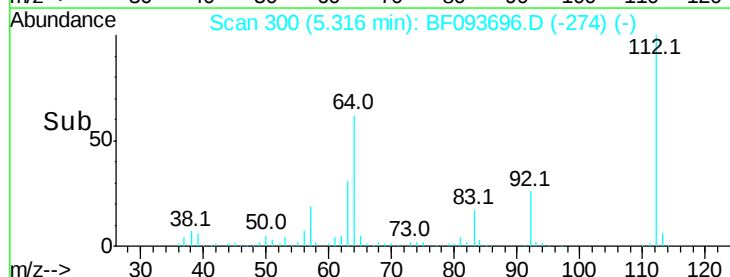
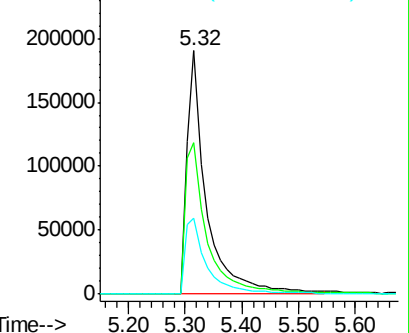
63 31.2 23.8 35.6

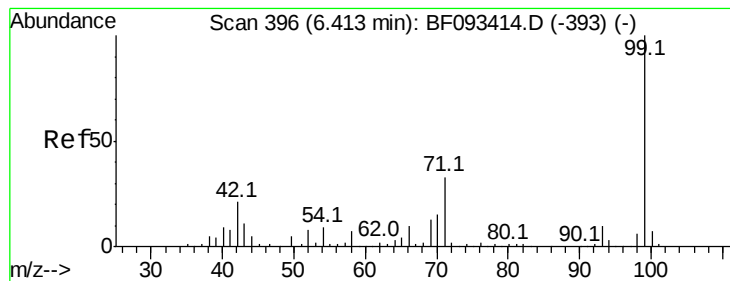


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.89 ng

RT: 6.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

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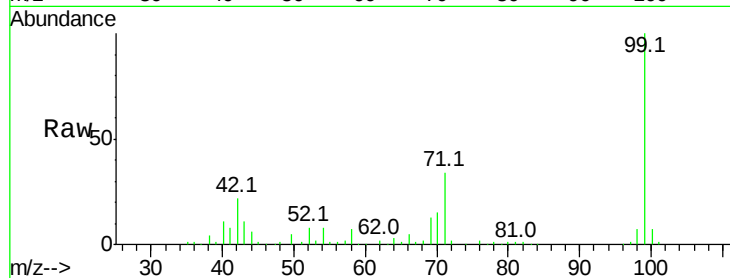
Tot Ion: 99 Resp: 361662

Ion Ratio Lower Upper

99 100

42 21.9 15.6 23.4

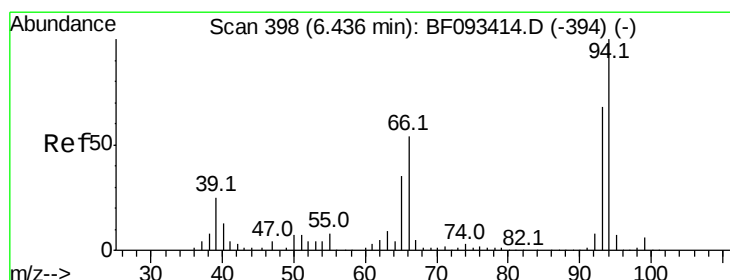
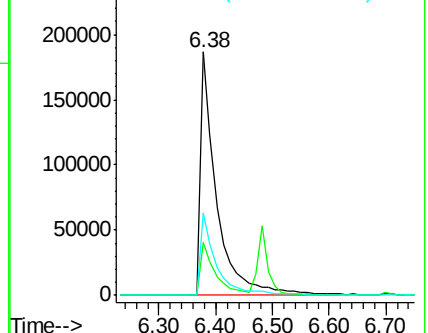
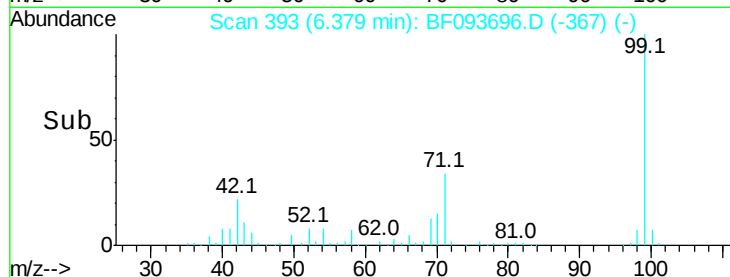
71 33.9 27.5 41.3



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: 3.02 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

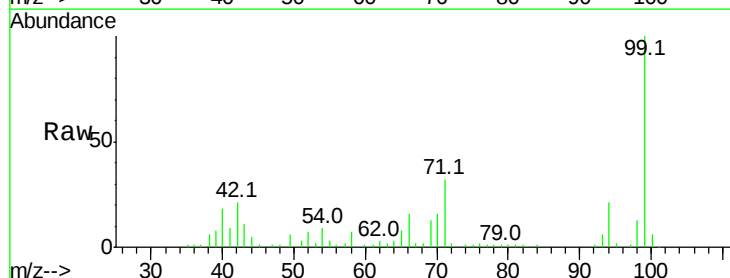
Tgt Ion: 94 Resp: 40764

Ion Ratio Lower Upper

94 100

65 37.9 21.4 61.4

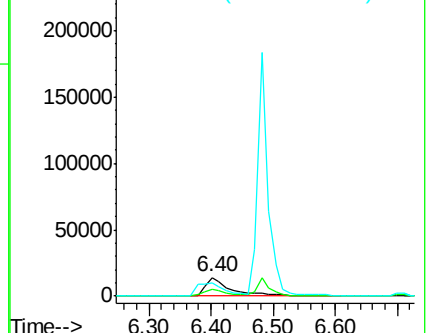
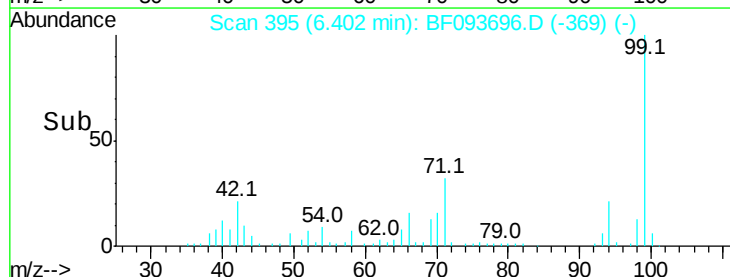
66 73.2 44.0 84.0

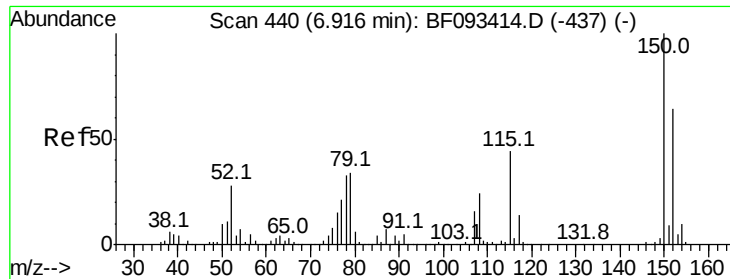


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

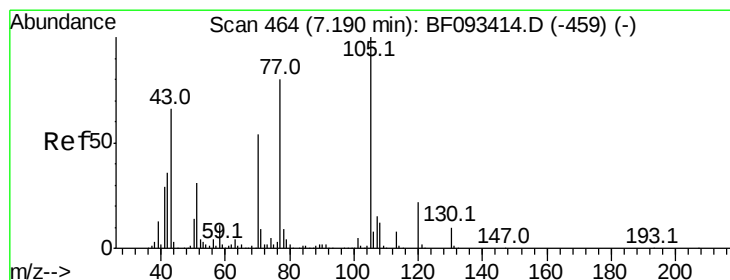
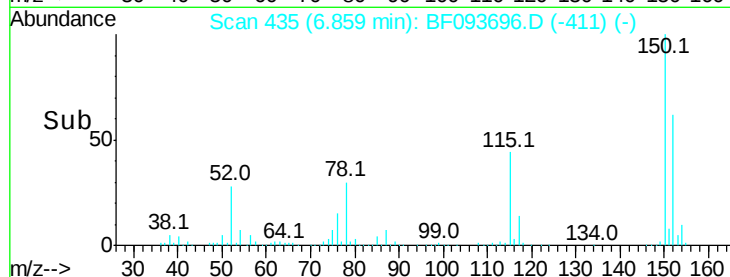
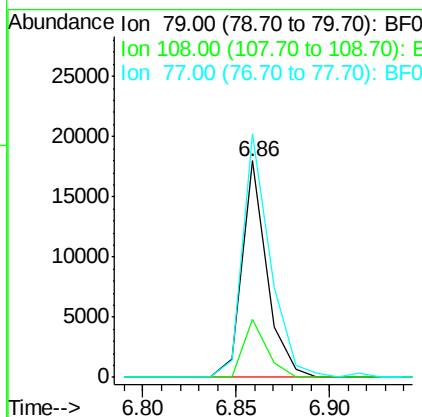
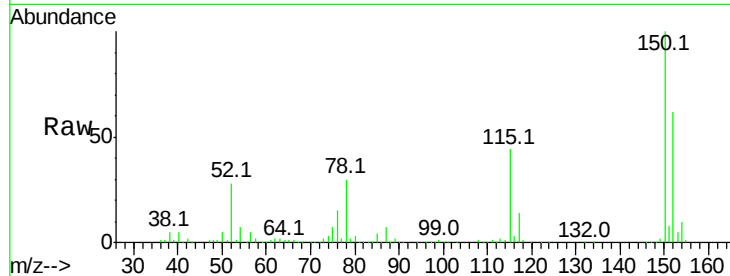




#15
Benzvl Alcohol
Concen: 2.13 ng
RT: 6.86 min Scan# 435
Delta R.T. -0.02 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

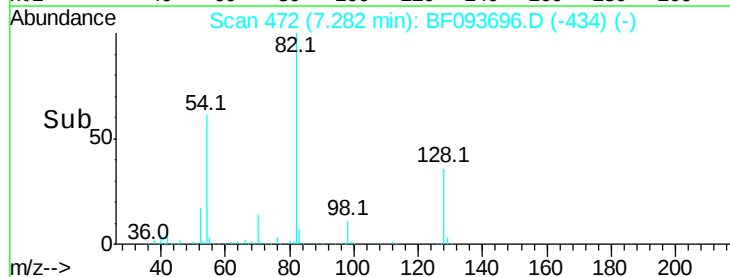
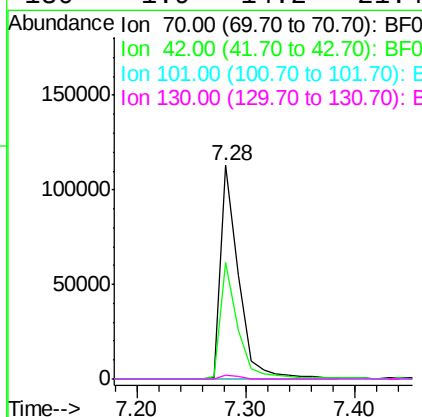
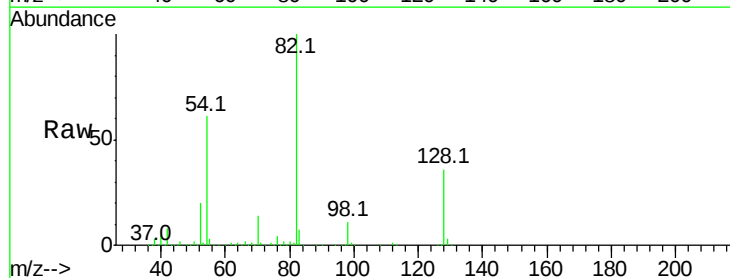
Instrument :
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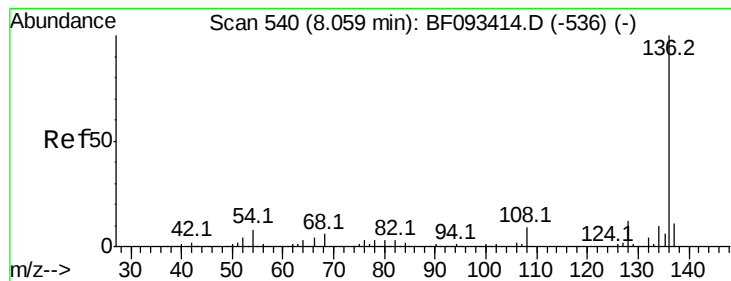
Tot Ion: 79 Resp: 16735
Ion Ratio Lower Upper
79 100
108 27.0 61.4 92.0#
77 112.7 50.9 76.3#



#19
n-Nitroso-di-n-propylamine
Concen: 17.38 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

Tgt Ion: 70 Resp: 131379
Ion Ratio Lower Upper
70 100
42 54.8 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#

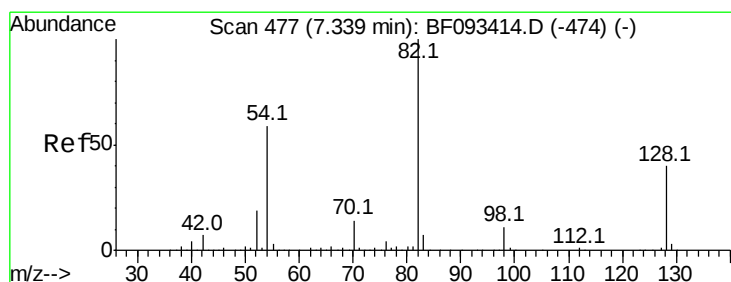
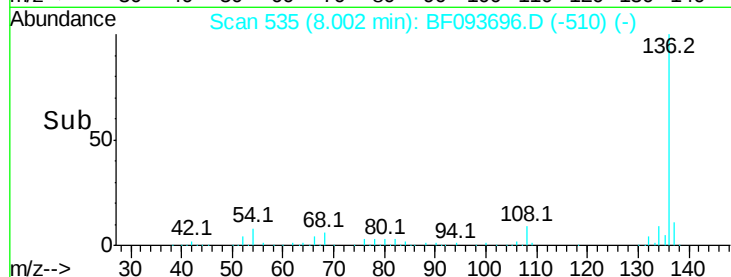
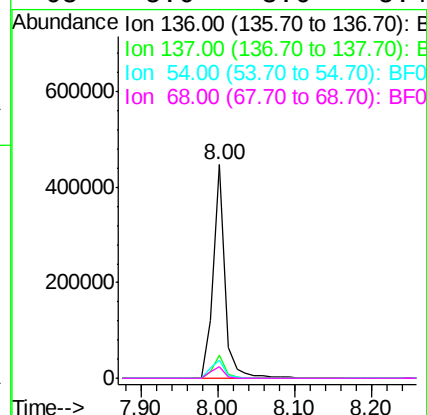
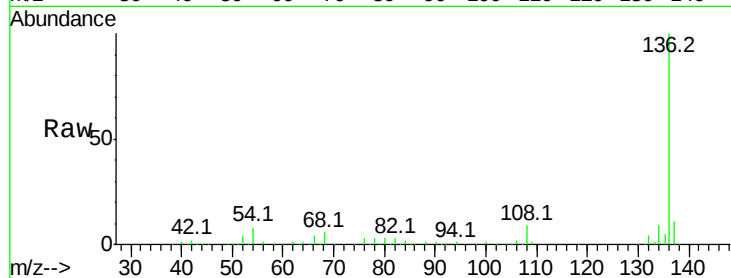




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

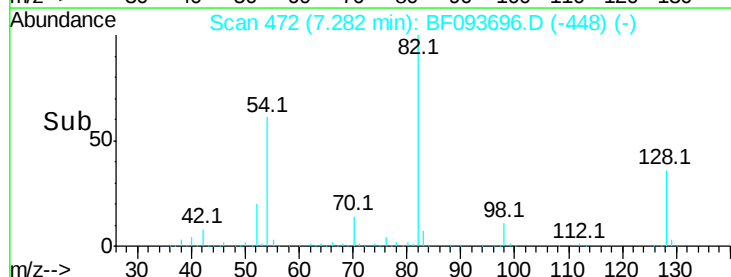
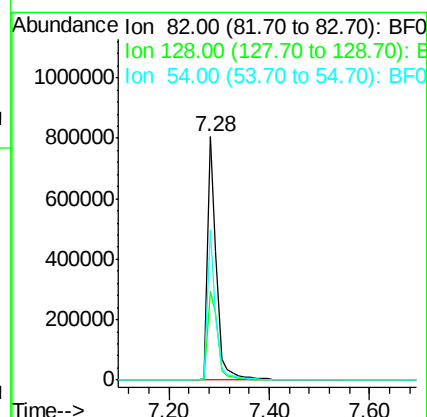
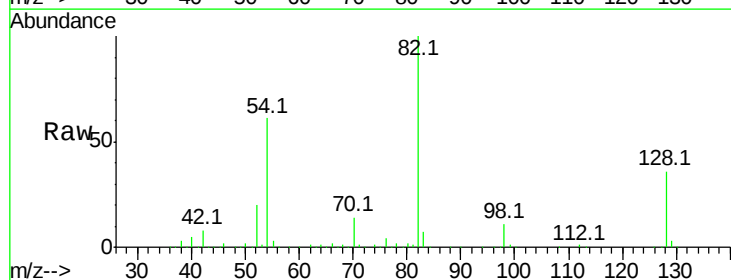
Instrument :
BNA_F
ClientSampleId :
031317-PRRT-F-U-M

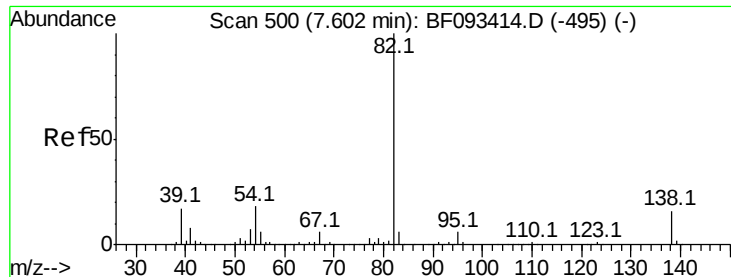
Tot Ion:	136	Resp:	467564
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	8.3	4.5	6.7#
68	5.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 116.43 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

Tgt Ion:	82	Resp:	981129
Ion	Ratio	Lower	Upper
82	100		
128	36.2	34.6	52.0
54	61.4	39.5	59.3#





#25

Isophorone

Concen: 57.21 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-U-M

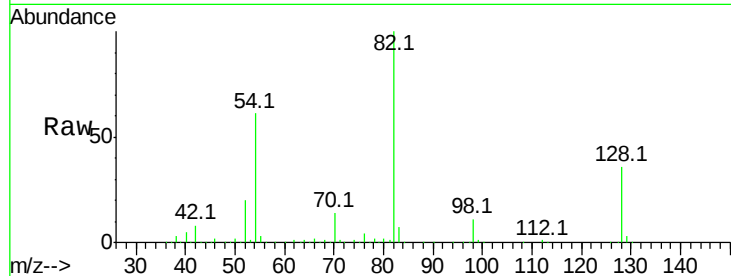
Tot Ion: 82 Resp: 972239

Ion Ratio Lower Upper

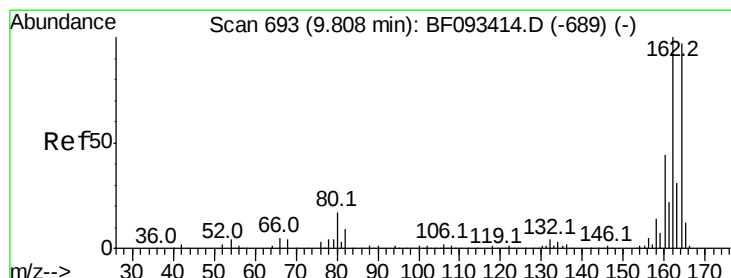
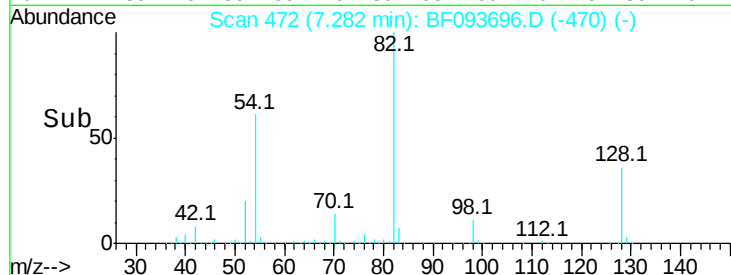
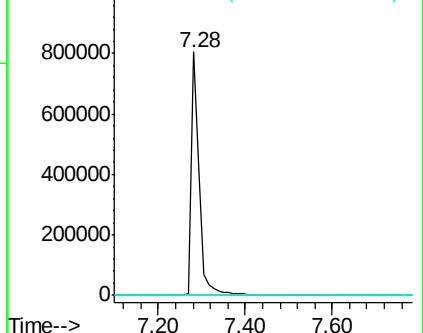
82 100

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: 9.76 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

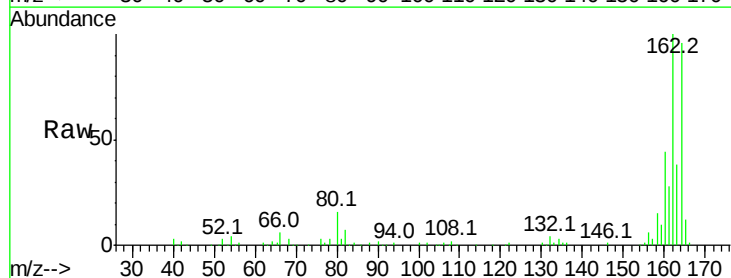
Tgt Ion: 164 Resp: 178069

Ion Ratio Lower Upper

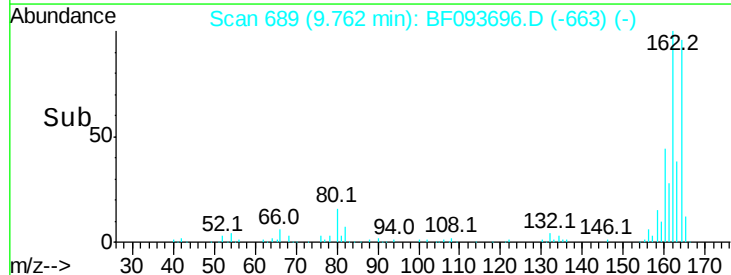
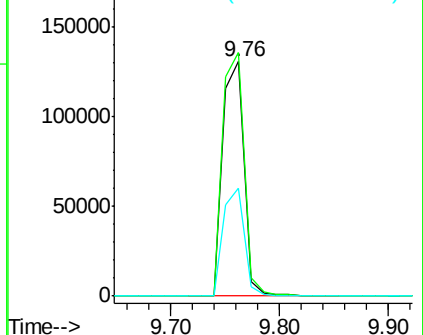
164 100

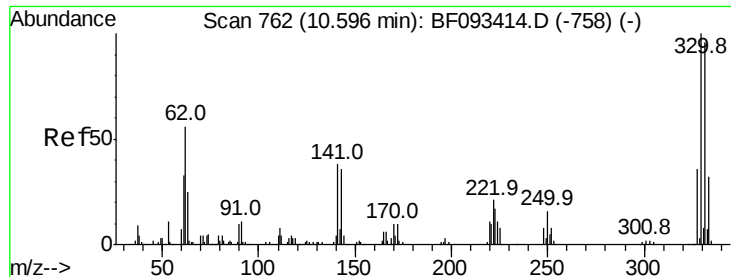
162 103.9 80.2 120.2

160 46.1 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

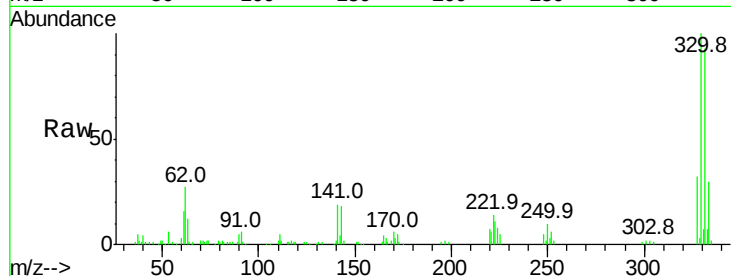




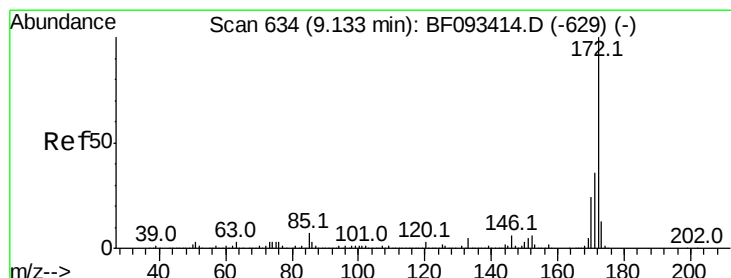
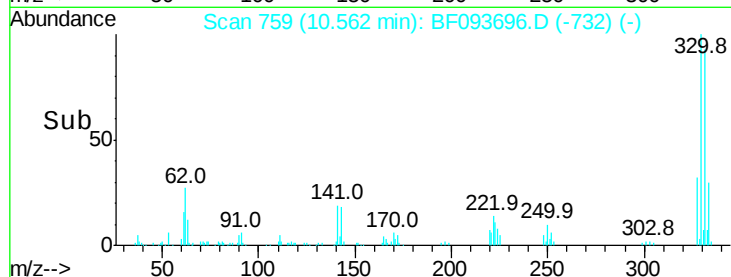
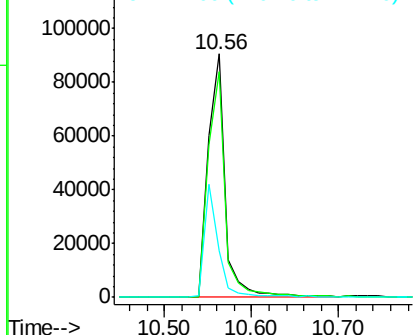
#41
 2,4,6-Tribromophenol
 Concen: 107.35 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093696.D
 Acq: 16 Mar 2017 6:56

Instrument :
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Tot Ion:330 Resp: 124543
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.4 116.2
 141 37.9 34.1 51.1

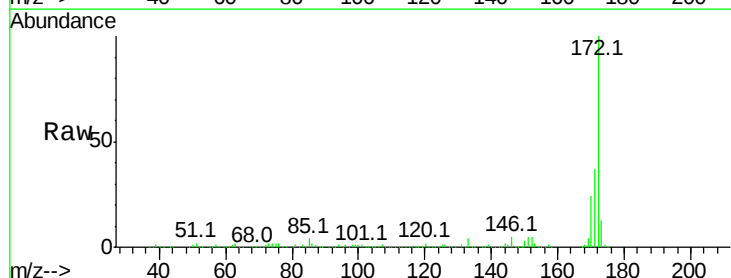


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

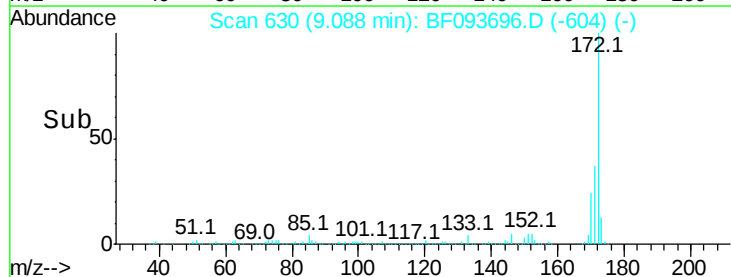
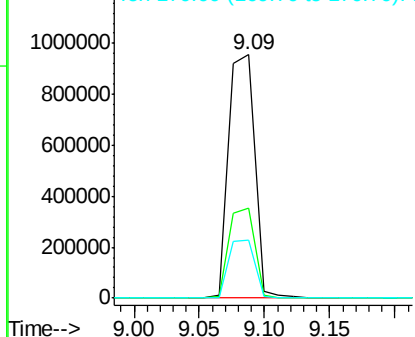


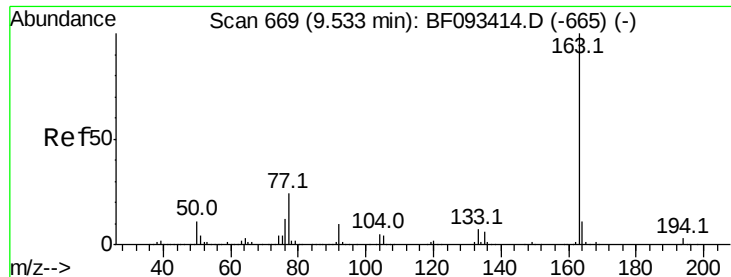
#44
 2-Fluorobiphenyl
 Concen: 139.08 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093696.D
 Acq: 16 Mar 2017 6:56

Tgt Ion:172 Resp: 1331507
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 23.7 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: 4.60 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-U-M

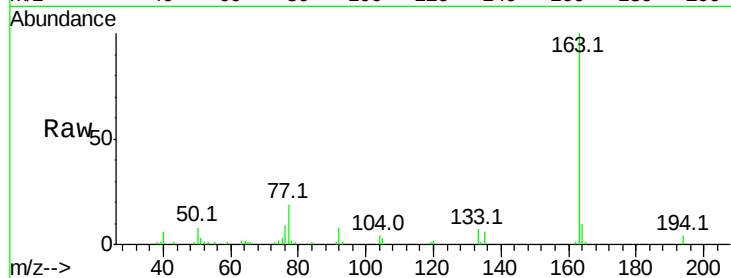
Tot Ion:163 Resp: 54343

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

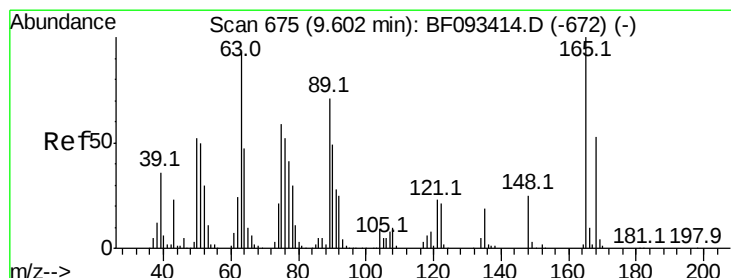
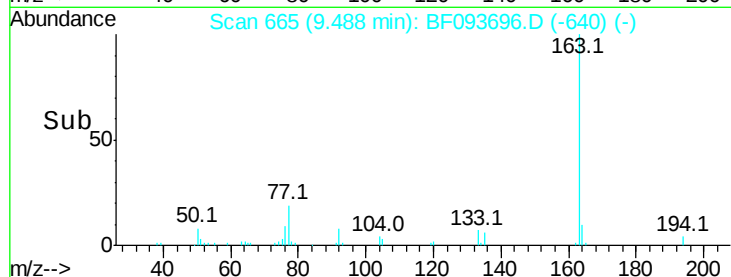
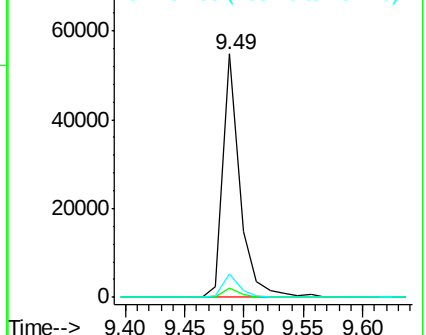
164 9.7 8.0 12.0



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: 8.39 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

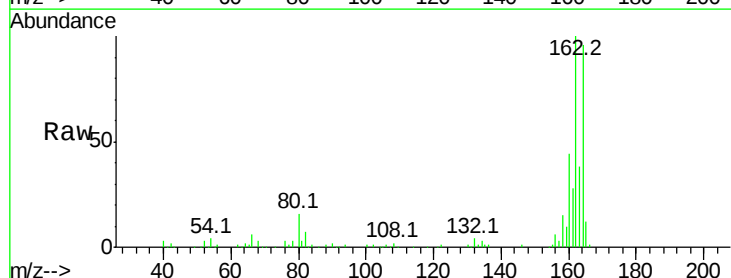
Tgt Ion:165 Resp: 21744

Ion Ratio Lower Upper

165 100

63 1.9 36.2 54.4#

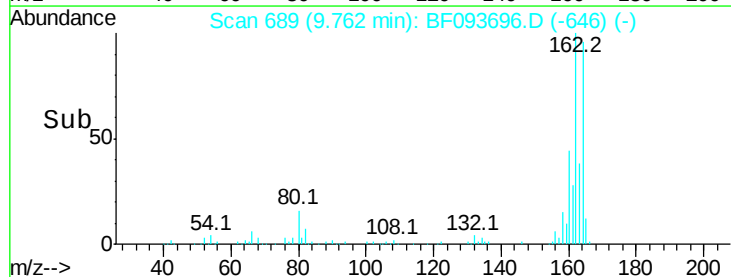
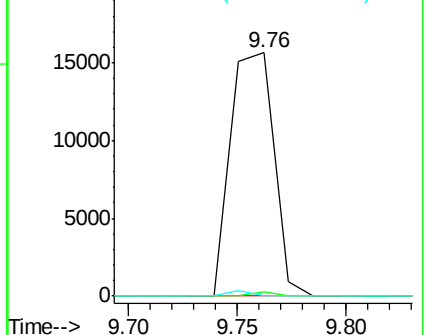
89 0.0 40.2 60.4#

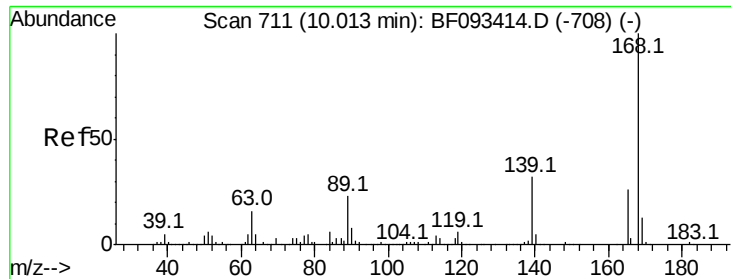


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

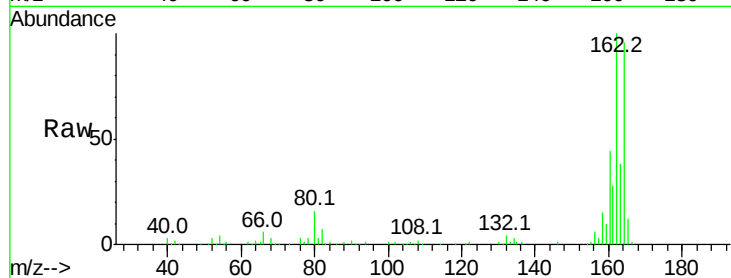




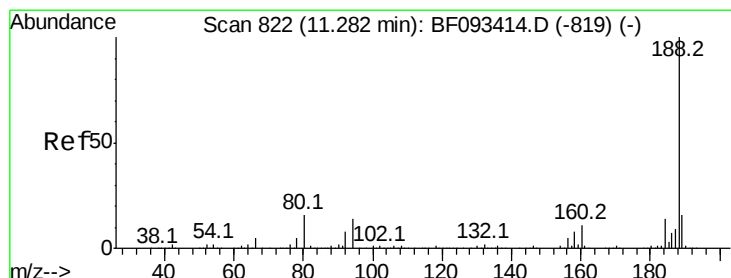
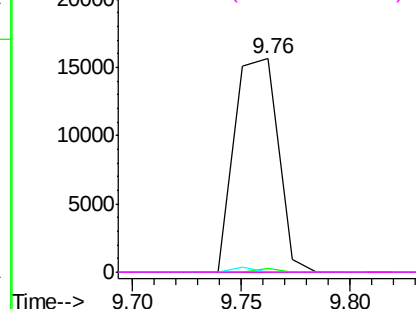
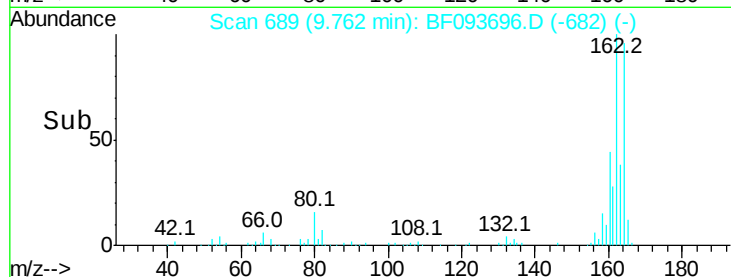
#56
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.22 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

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

Tot Ion:165 Resp: 21744
Ion Ratio Lower Upper
165 100
63 1.9 40.2 60.4#
89 0.0 62.5 93.7#
182 0.0 1.8 2.8#

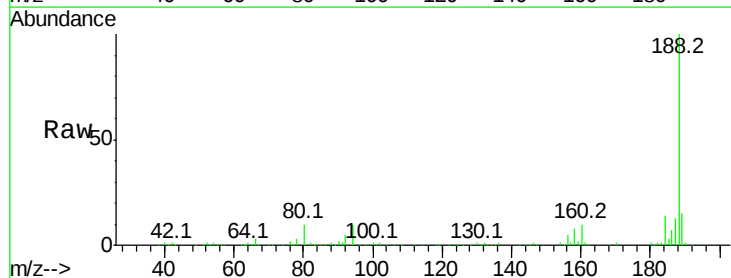


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

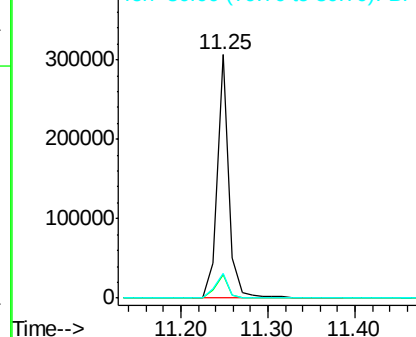
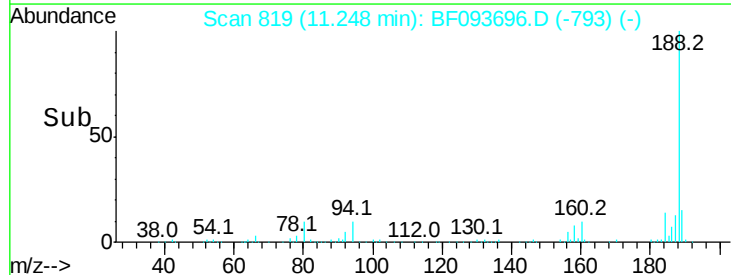


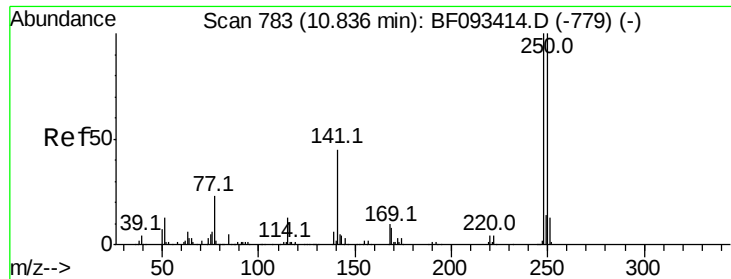
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093696.D
Acq: 16 Mar 2017 6:56

Tgt Ion:188 Resp: 287620
Ion Ratio Lower Upper
188 100
94 9.7 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: 2.77 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-U-M

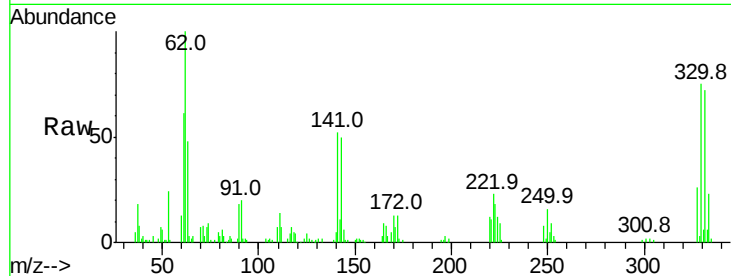
Tot Ion:248 Resp: 8430

Ion Ratio Lower Upper

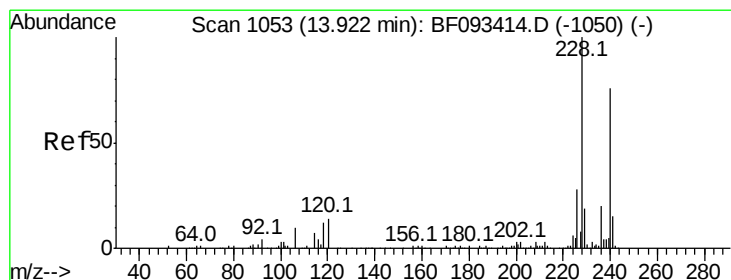
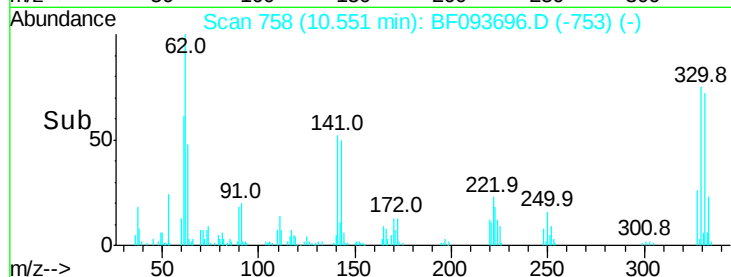
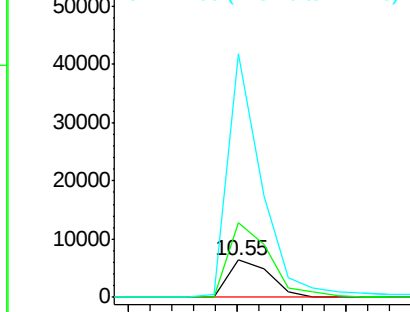
248 100

250 199.1 76.9 115.3#

141 652.4 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: BF093696.D

Acq: 16 Mar 2017 6:56

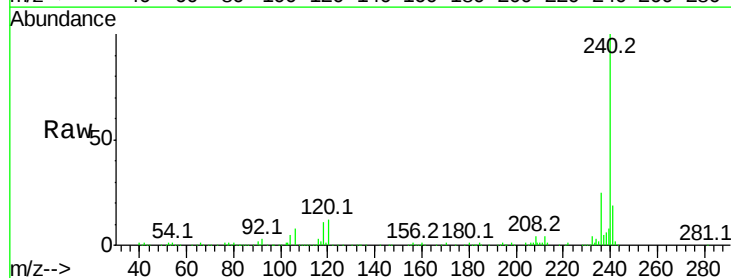
Tgt Ion:240 Resp: 305664

Ion Ratio Lower Upper

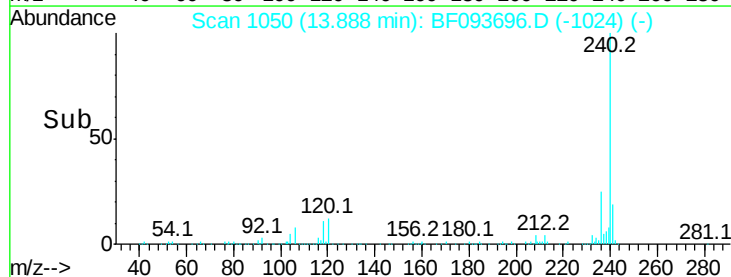
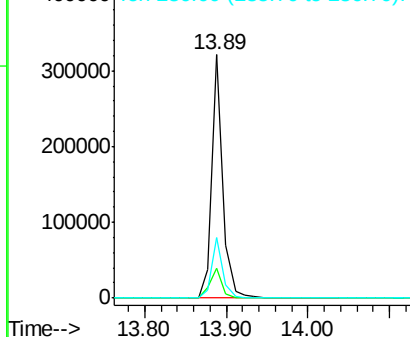
240 100

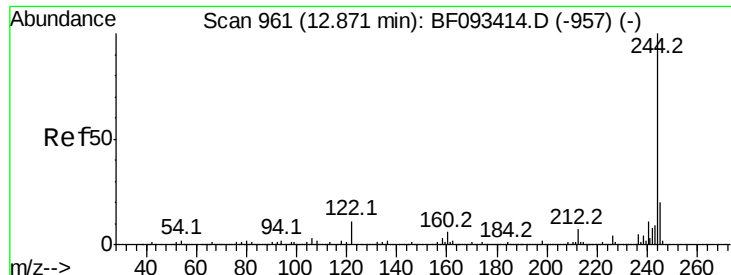
120 12.3 12.9 19.3#

236 24.8 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





#78

Terphenyl-d14

Concen: 83.67 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

Instrument :

BNA_F

ClientSampleId :

031317-PRRT-F-U-M

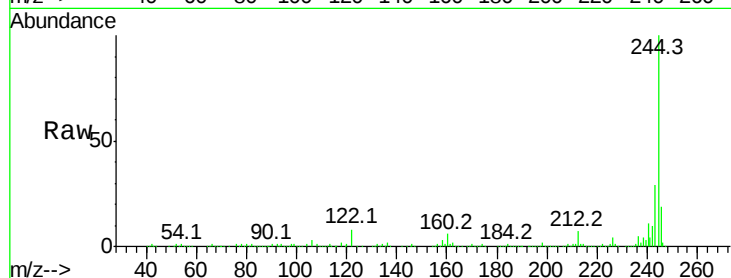
Tot Ion:244 Resp: 983643

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

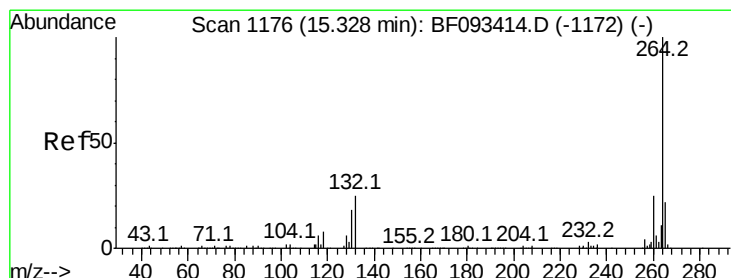
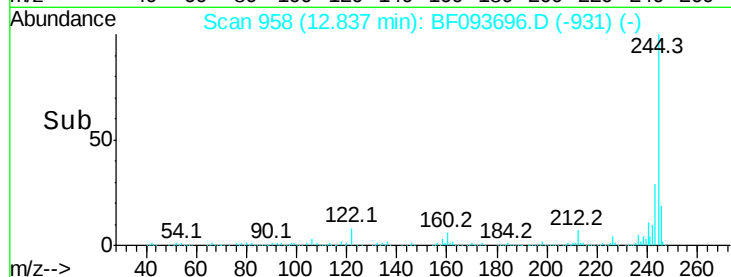
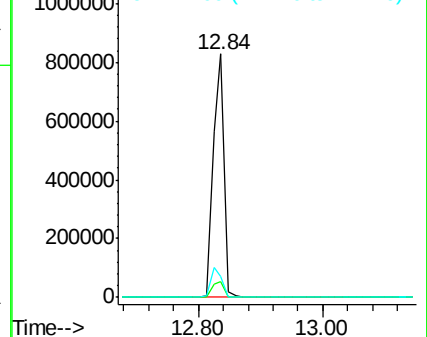
122 8.5 11.4 17.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF093696.D

Acq: 16 Mar 2017 6:56

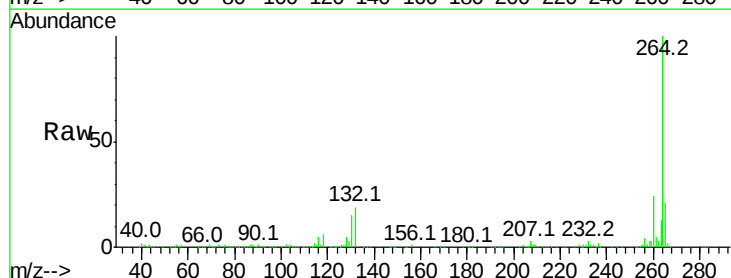
Tgt Ion:264 Resp: 259894

Ion Ratio Lower Upper

264 100

260 23.9 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

