

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093662.D
 Acq On : 14 Mar 2017 16:49
 Operator : SJ/MA
 Sample : I2230-08RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMPOSITE-4-CHARRE

Quant Time: Mar 15 02:34:42 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

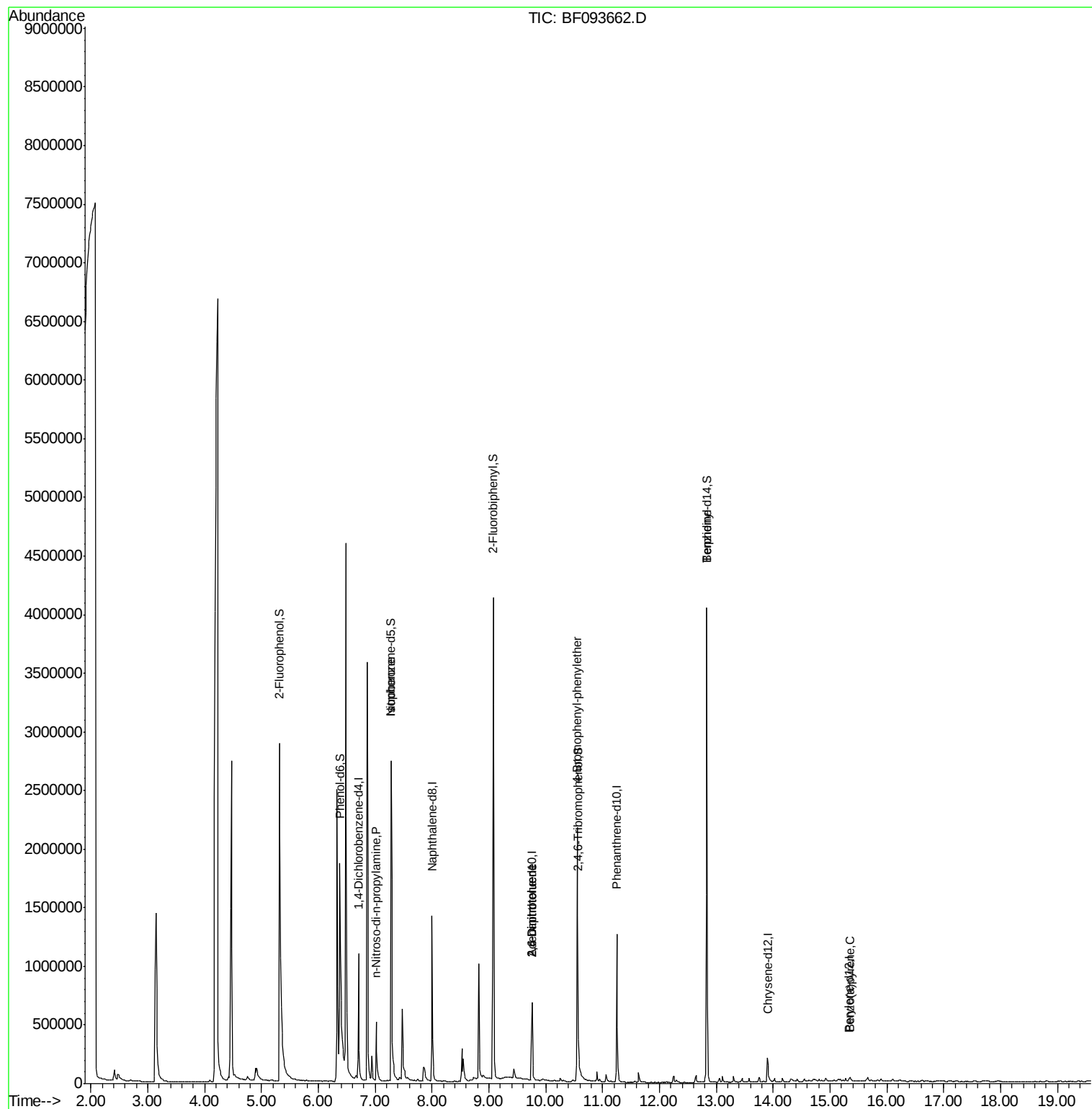
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	178089	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	661028	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	141820	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	416133	20.00	ng	0.00
75) Chrysene-d12	13.90	240	55862	20.00	ng	0.01
86) Perylene-d12	15.34	264	1285	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1553552	145.19	ng	0.00
7) Phenol-d6	6.38	99	1018755	75.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	1228492	103.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	363580	393.49	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1972363	258.69	ng	-0.01
78) Terphenyl-d14	12.84	244	1009682	469.93	ng	0.01
Target Compounds						
9) Benzaldehyde	6.31	77	2851	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.02	70	27855	3.00 ng	#	17
25) Isophorone	7.28	82	1212887	50.49 ng	#	65
50) 2,6-Dinitrotoluene	9.76	165	18473	8.95 ng	#	34
56) 2,4-Dinitrotoluene	9.76	165	18473	7.29 ng	#	23
66) 4-Bromophenyl-phenylether	10.55	248	25725	5.85 ng	#	1
76) Benzidine	12.84	184	15804	8.60 ng	#	68
89) Benzo(a)pyrene	15.35	252	309	4.32 ng	#	1

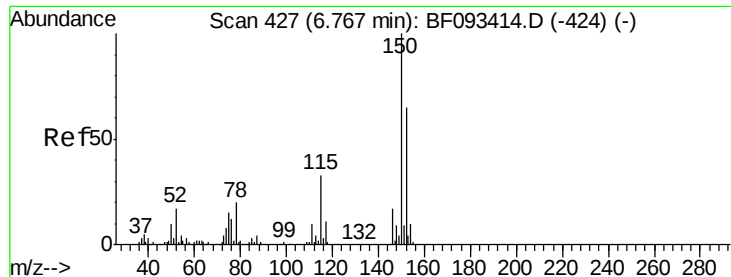
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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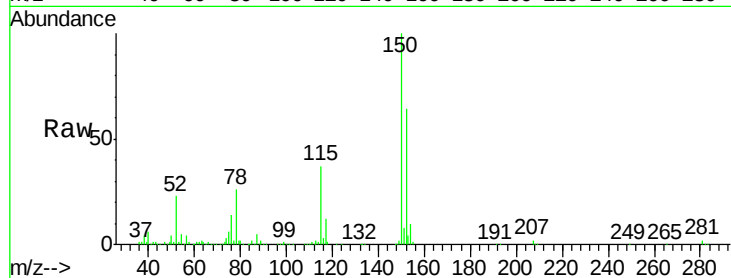


#1

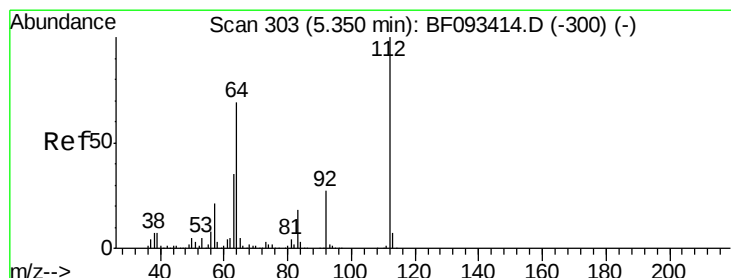
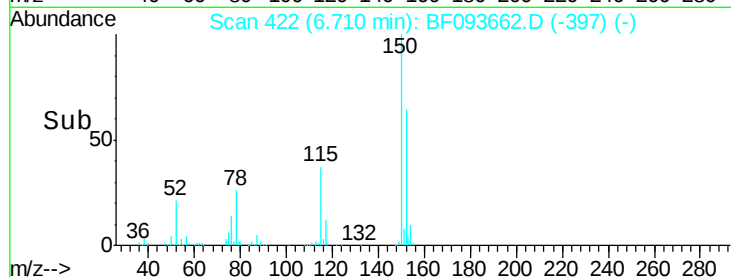
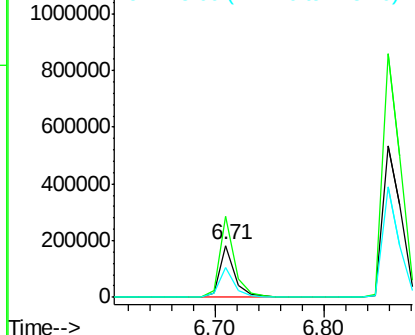
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

Instrument :
BNA_M
ClientSampleId :
COMPOSITE-4-CHARRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.9	187.3
115	57.8	46.0	69.0



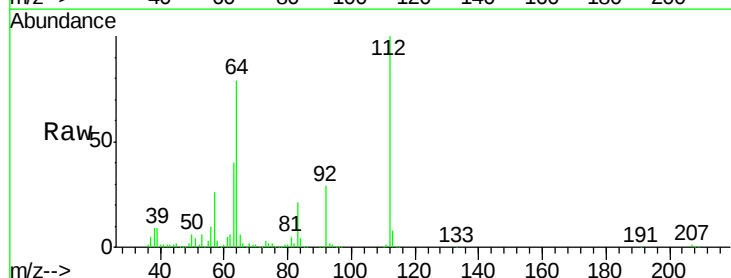
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



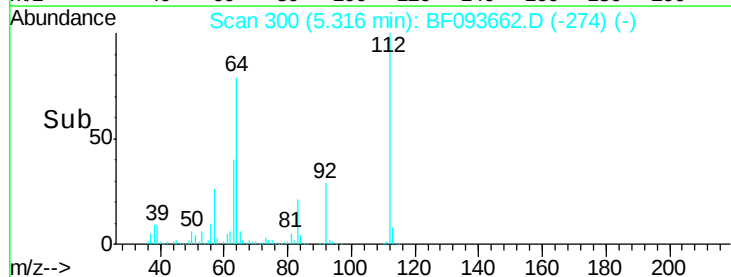
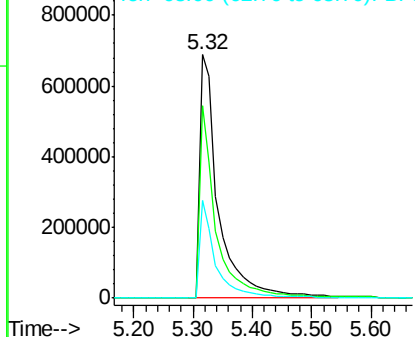
#5

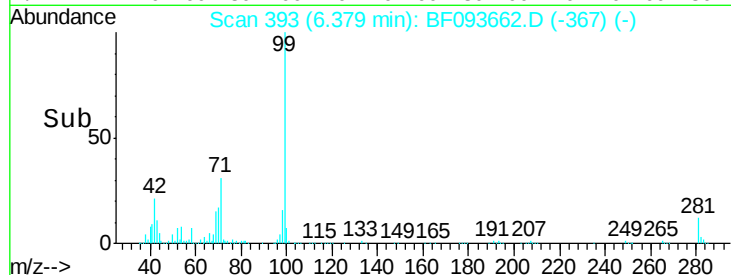
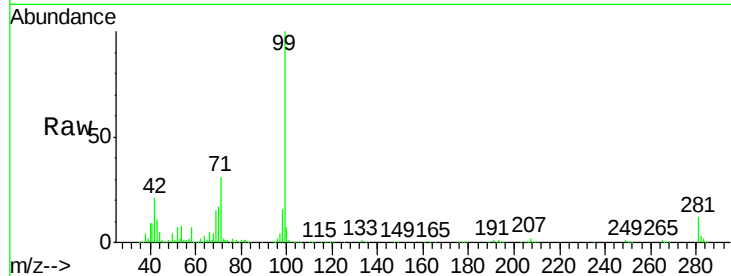
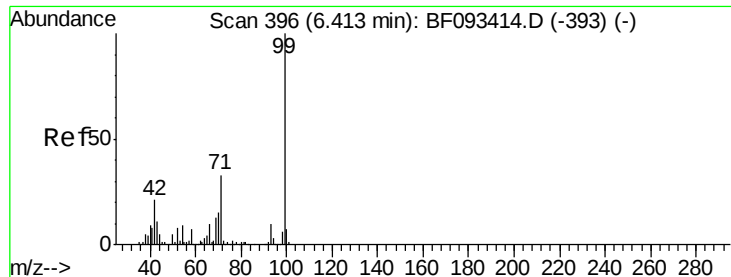
2-Fluorophenol
Concen: 145.19 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.9	46.1	69.1#
63	40.2	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: 75.50 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE

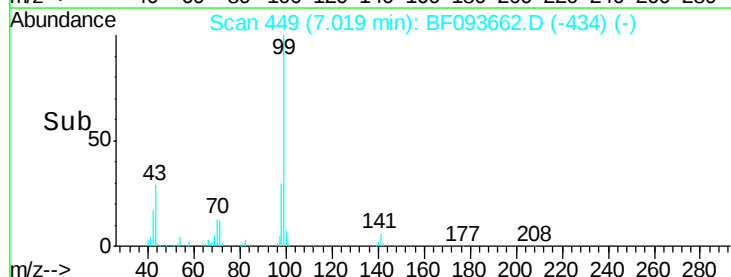
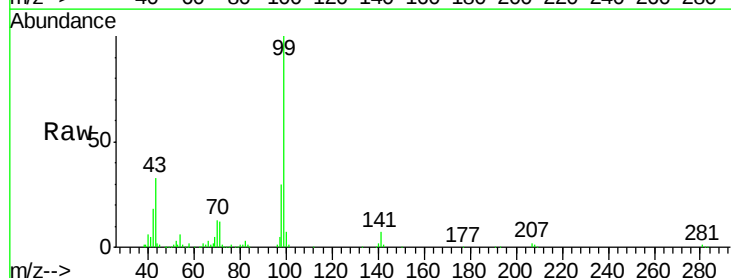
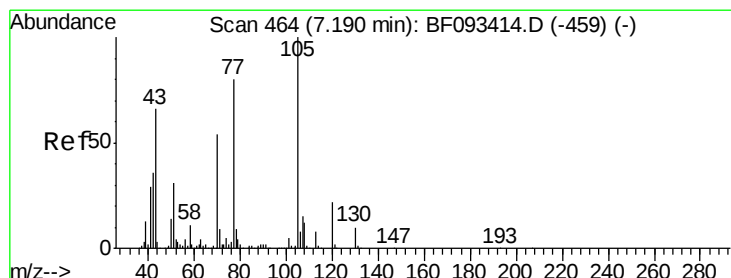
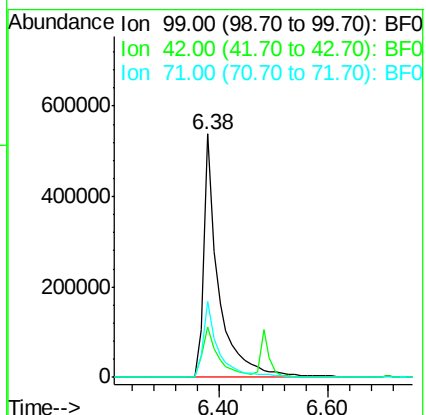
Tot Ion: 99 Resp: 1018755

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

71 31.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.00 ng

RT: 7.02 min Scan# 449

Delta R.T. -0.13 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

Tgt Ion: 70 Resp: 27855

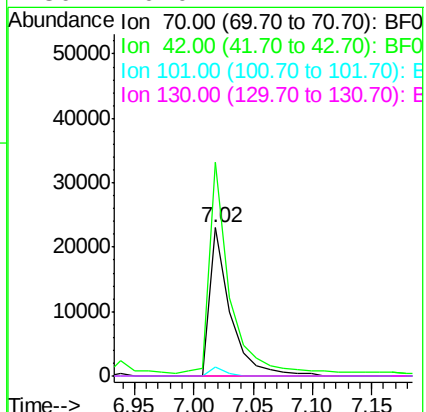
Ion Ratio Lower Upper

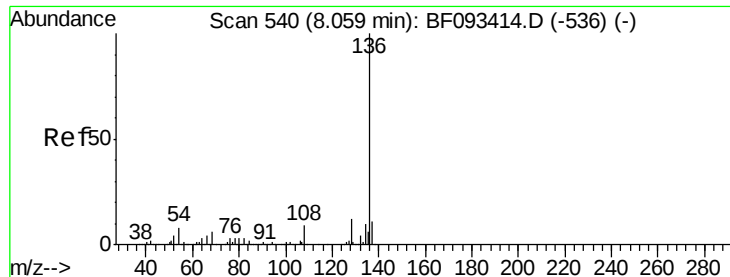
70 100

42 143.9 49.4 74.0#

101 6.0 7.4 11.2#

130 0.0 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: BF093662.D

Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE

Tot Ion:136 Resp: 661028

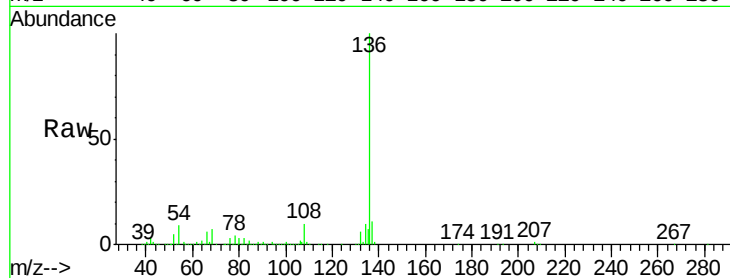
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 9.2 4.5 6.7#

68 6.9 3.6 5.4#

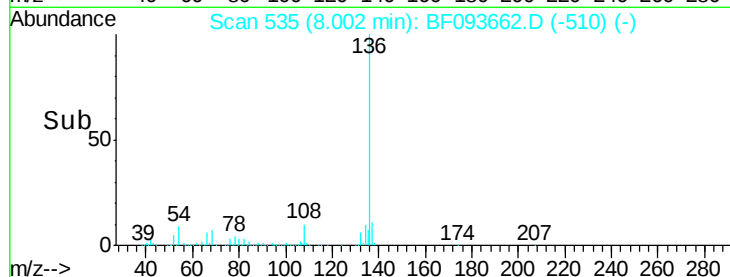


Abundance Ion 136.00 (135.70 to 136.70): E

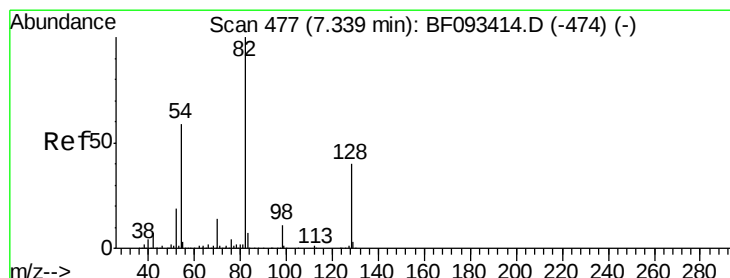
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 103.12 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

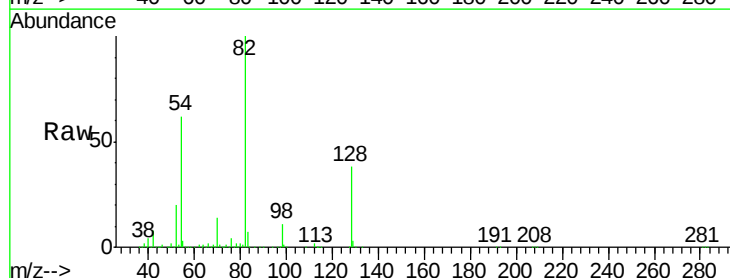
Tgt Ion: 82 Resp: 1228492

Ion Ratio Lower Upper

82 100

128 38.4 34.6 52.0

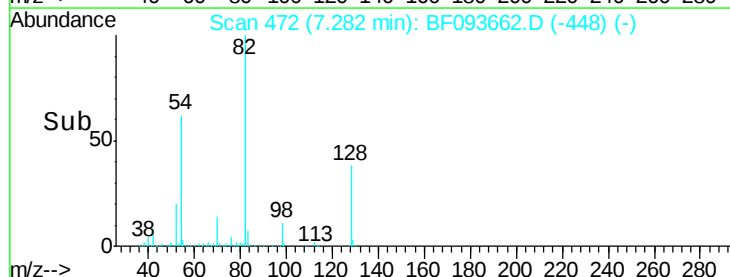
54 61.9 39.5 59.3#



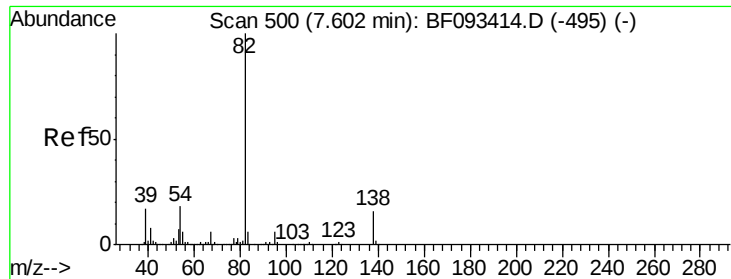
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 50.49 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE

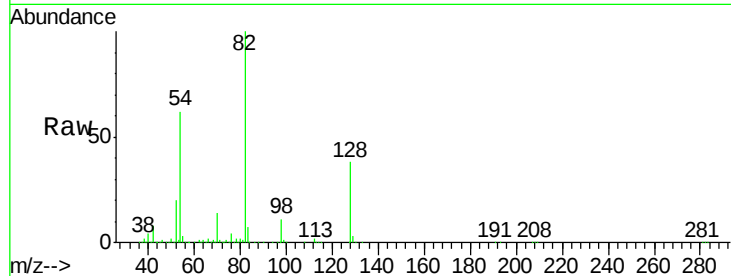
Tot Ion: 82 Resp: 1212887

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#

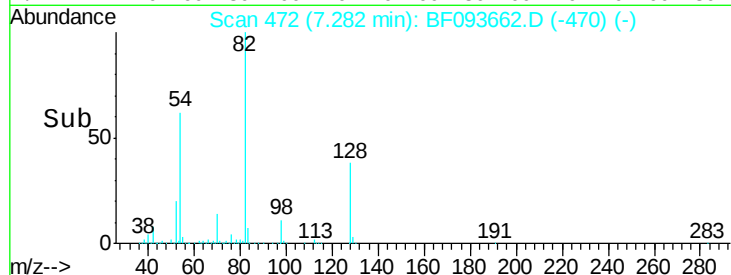


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



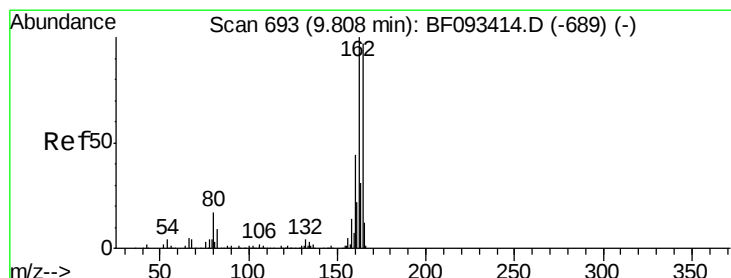
Abundance

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

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

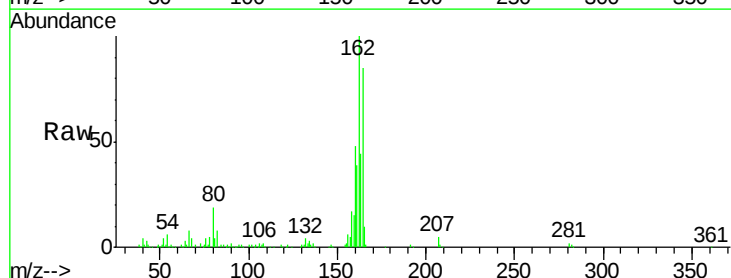
Tgt Ion:164 Resp: 141820

Ion Ratio Lower Upper

164 100

162 118.2 80.2 120.2

160 56.5 36.9 55.3#

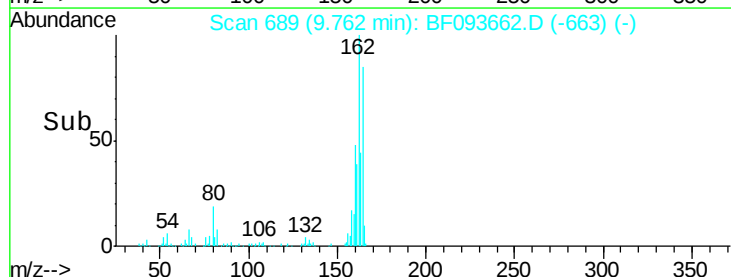


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



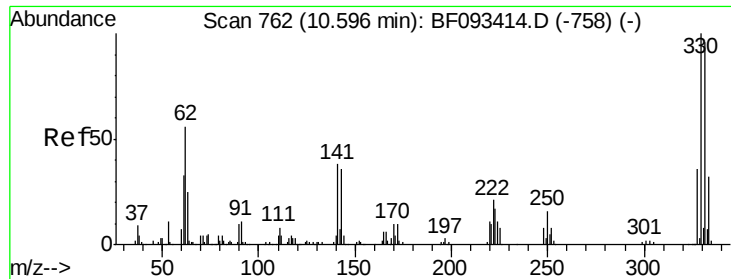
Abundance

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

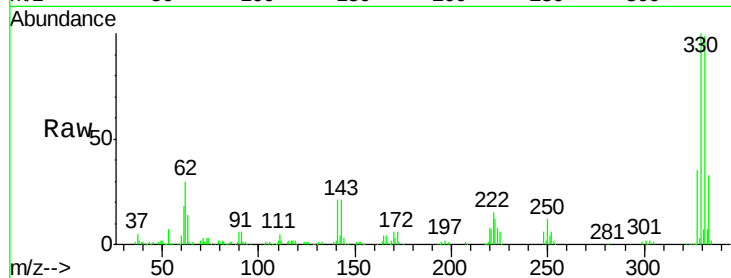
Time-->



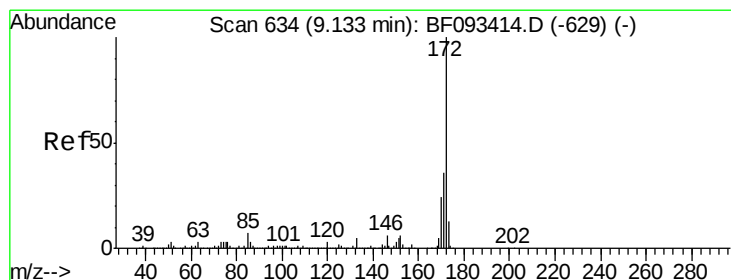
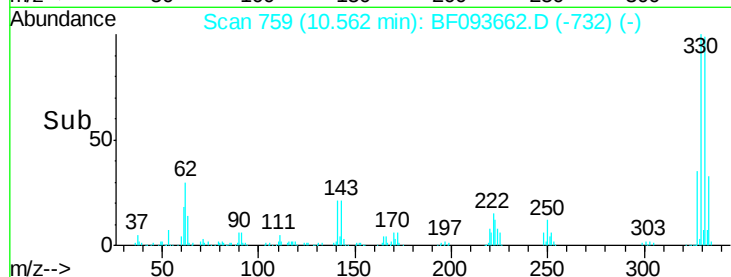
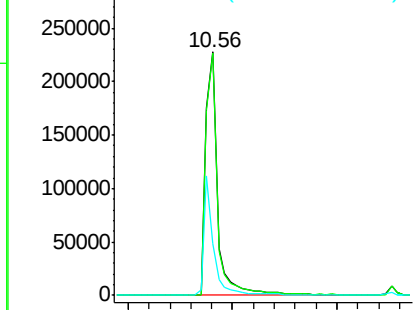
#41
 2,4,6-Tribromophenol
 Concen: 393.49 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093662.D
 Acq: 14 Mar 2017 16:49

Instrument :
 BNA_M
 ClientSampleId :
 COMPOSITE-4-CHARRE

Tot Ion:330 Resp: 363580
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 40.4 34.1 51.1

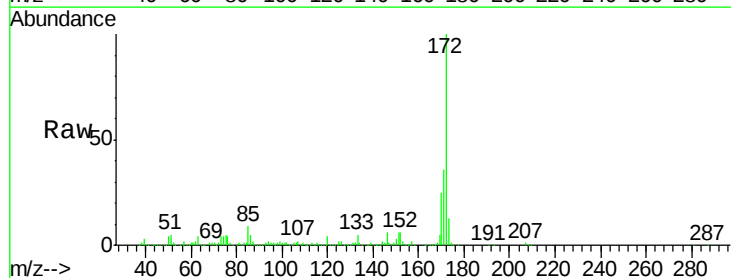


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

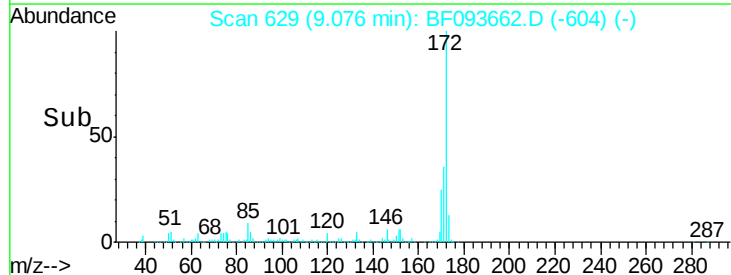
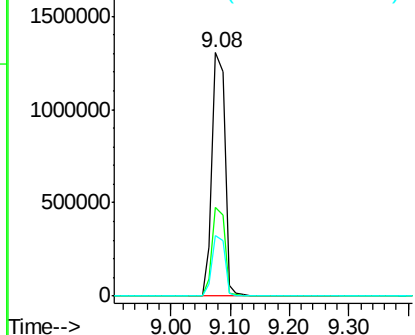


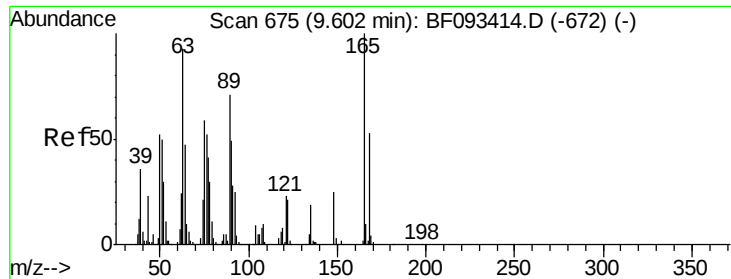
#44
 2-Fluorobiphenyl
 Concen: 258.69 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093662.D
 Acq: 14 Mar 2017 16:49

Tgt Ion:172 Resp: 1972363
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.7 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

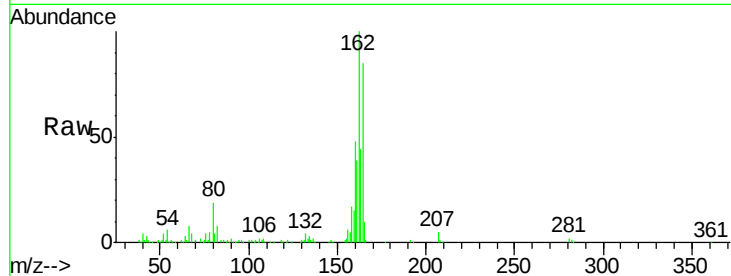




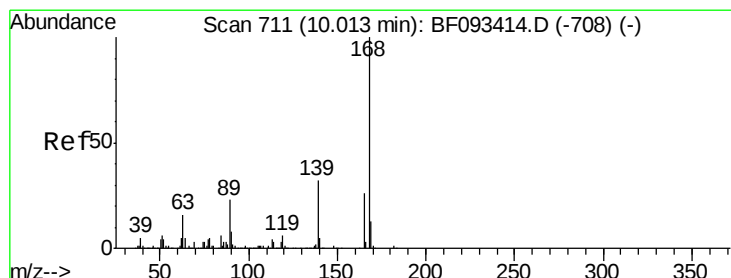
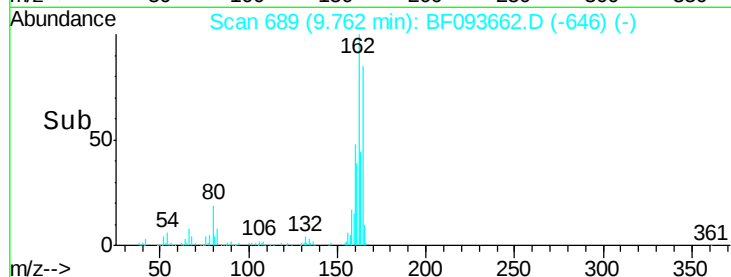
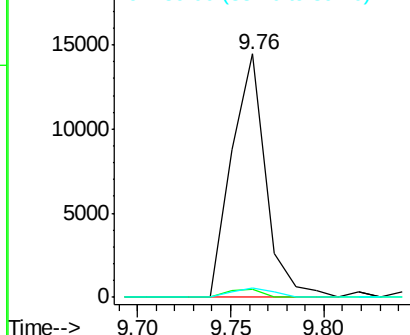
#50
2,6-Dinitrotoluene
Concen: 8.95 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.19 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

Instrument :
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ClientSampleId :
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Tot Ion:165 Resp: 18473
Ion Ratio Lower Upper
165 100
63 3.1 36.2 54.4#
89 3.9 40.2 60.4#

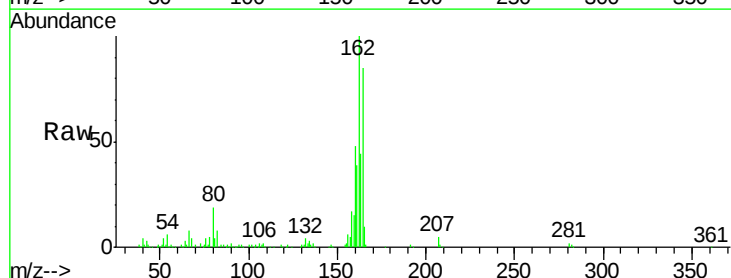


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

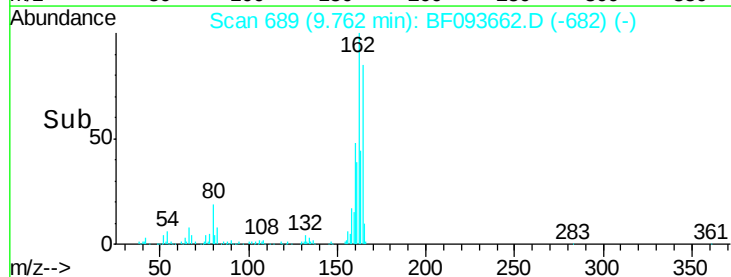
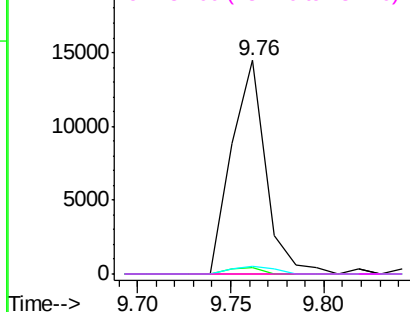


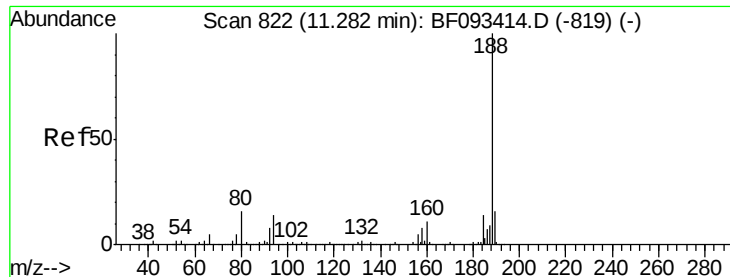
#56
2,4-Dinitrotoluene
Concen: 7.29 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.22 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

Tgt Ion:165 Resp: 18473
Ion Ratio Lower Upper
165 100
63 3.1 40.2 60.4#
89 3.9 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

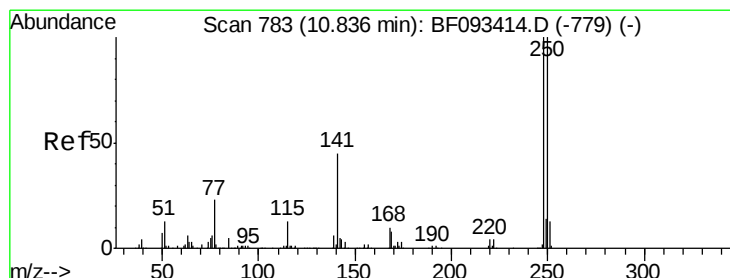
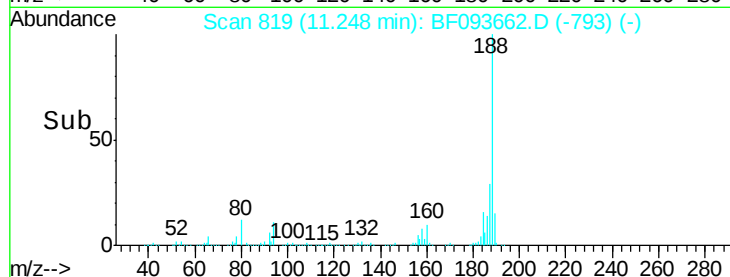
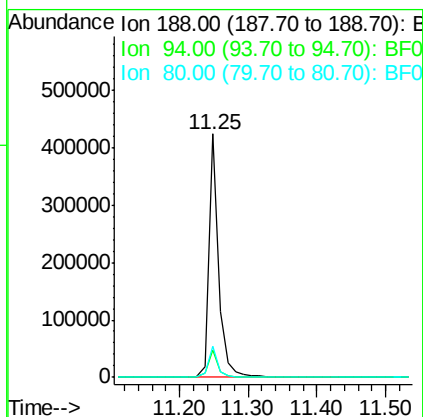
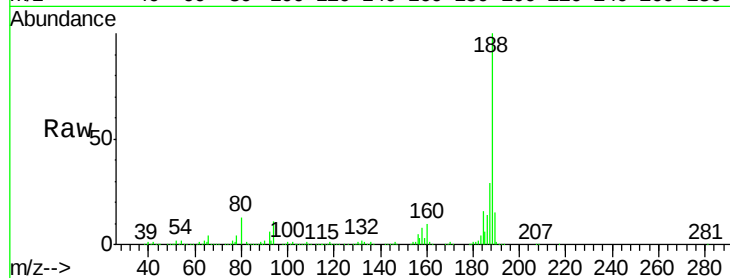




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

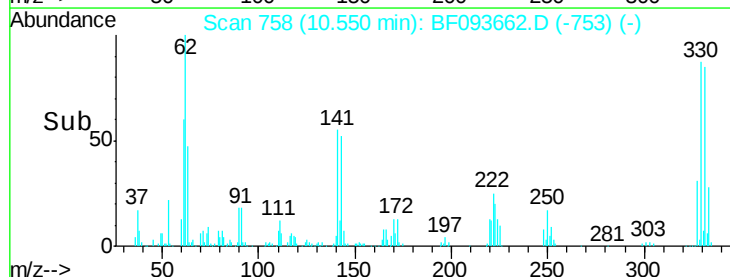
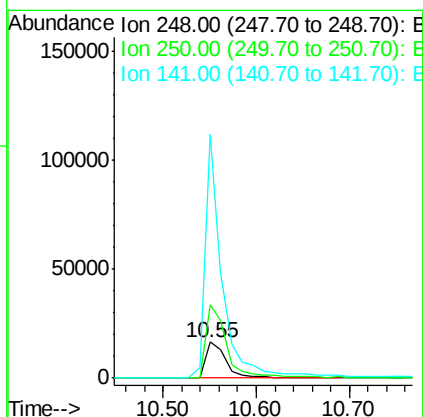
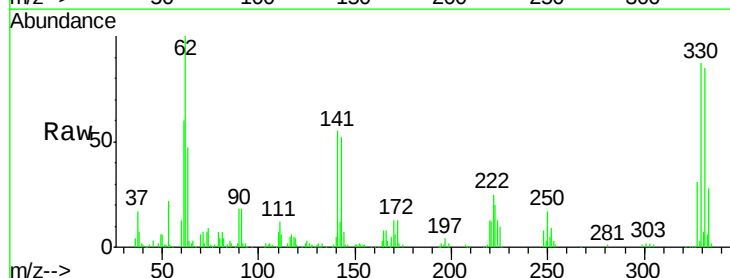
Instrument :
BNA_M
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COMPOSITE-4-CHARRE

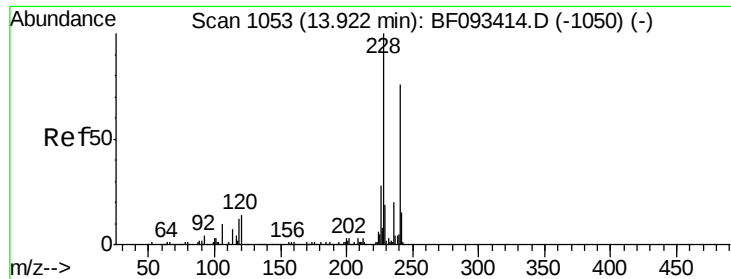
Tot Ion:188 Resp: 416133
Ion Ratio Lower Upper
188 100
94 11.1 10.0 15.0
80 12.5 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 5.85 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093662.D
Acq: 14 Mar 2017 16:49

Tgt Ion:248 Resp: 25725
Ion Ratio Lower Upper
248 100
250 206.7 76.9 115.3#
141 680.1 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE

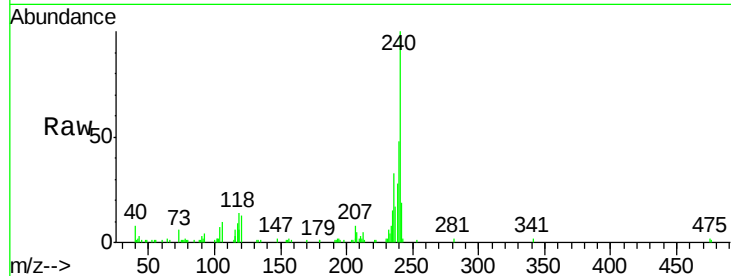
Tot Ion:240 Resp: 55862

Ion Ratio Lower Upper

240 100

120 13.5 12.9 19.3

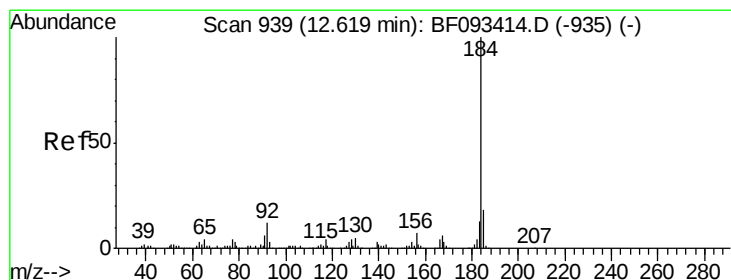
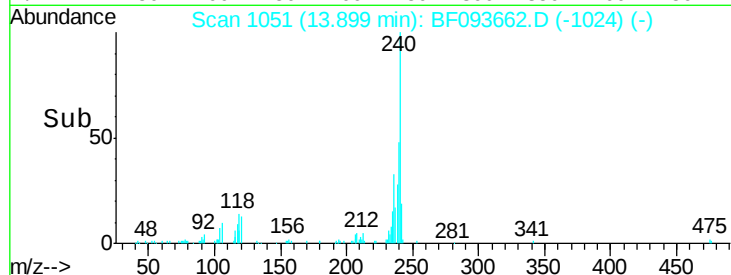
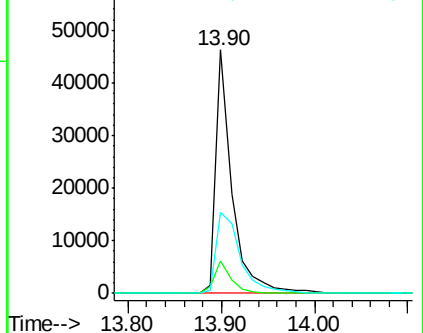
236 33.1 20.9 31.3#



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



#76

Benzidine

Concen: 8.60 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.25 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

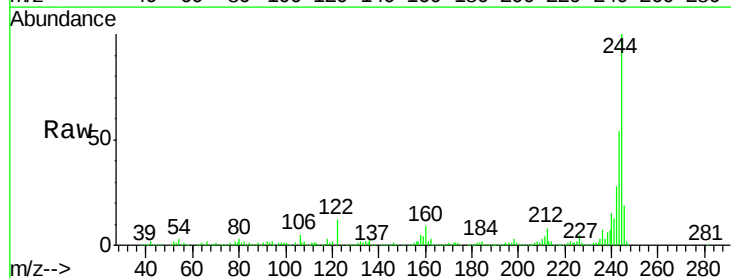
Tgt Ion:184 Resp: 15804

Ion Ratio Lower Upper

184 100

185 20.2 13.4 20.0#

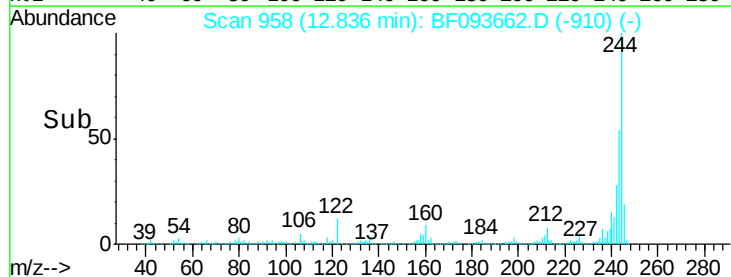
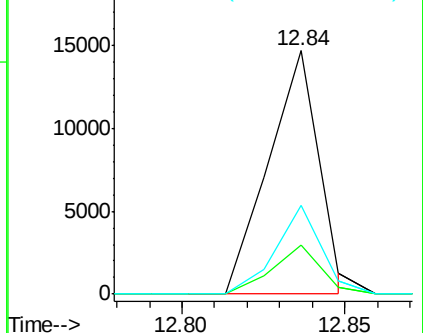
183 36.7 9.2 13.8#

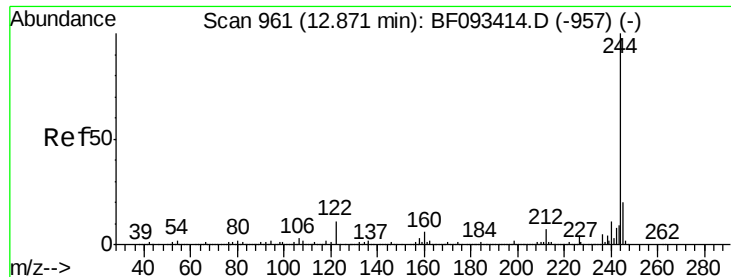


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 469.93 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE

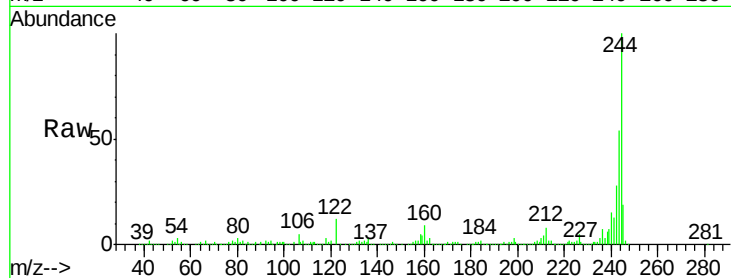
Tot Ion:244 Resp: 1009682

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

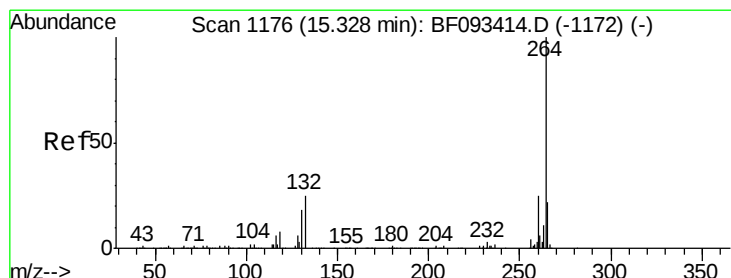
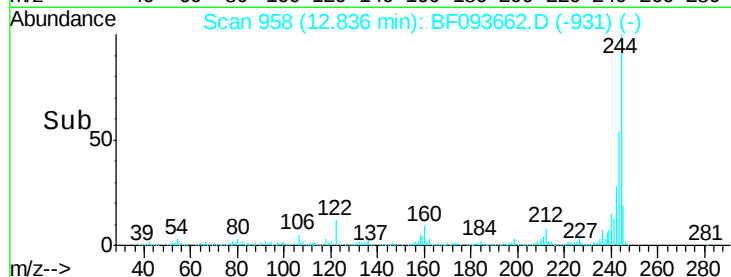
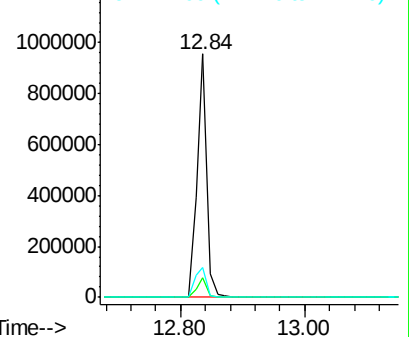
122 12.1 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 1177

Delta R.T. 0.06 min

Lab File: BF093662.D

Acq: 14 Mar 2017 16:49

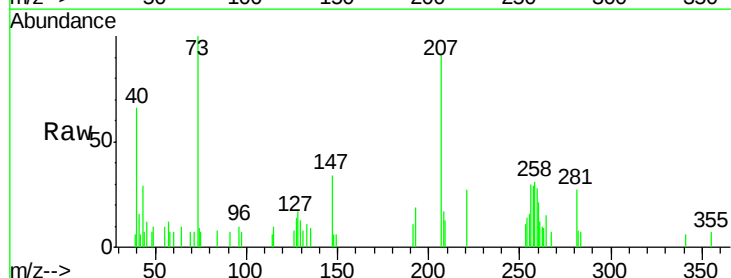
Tgt Ion:264 Resp: 1285

Ion Ratio Lower Upper

264 100

260 143.2 19.2 28.8#

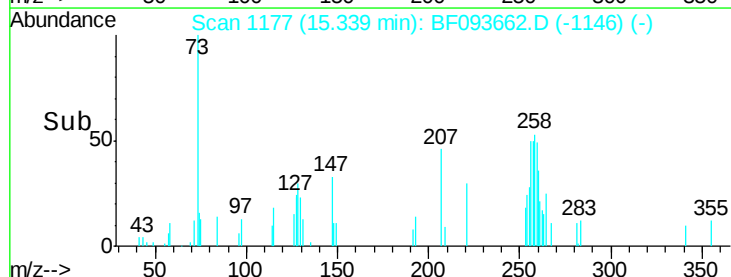
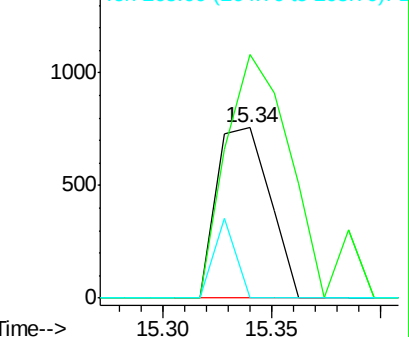
265 0.0 17.4 26.0#

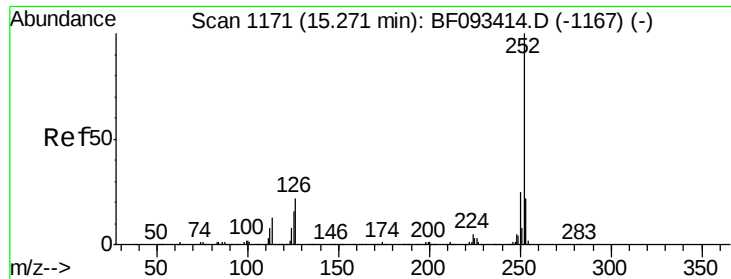


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 4.32 ng

RT: 15.35 min Scan# 1178

Delta R.T. 0.13 min

Lab File: BF093662.D

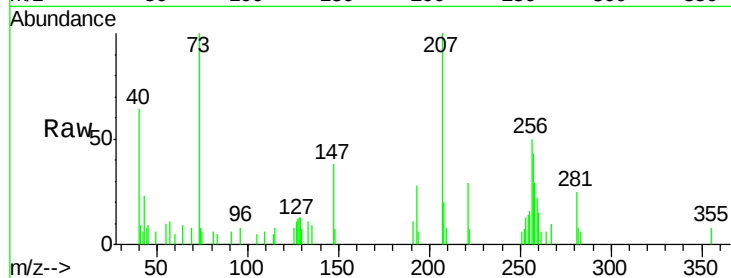
Acq: 14 Mar 2017 16:49

Instrument :

BNA_M

ClientSampleId :

COMPOSITE-4-CHARRE



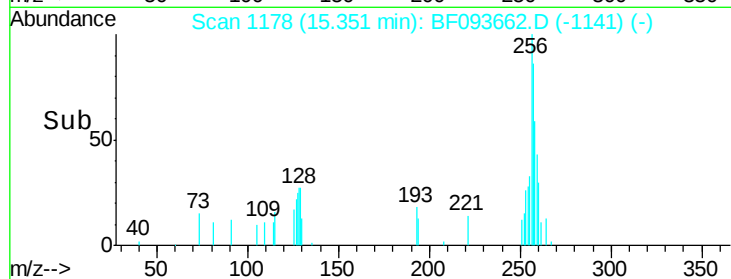
Tot Ion: 252 Resp: 309

Ion Ratio Lower Upper

252 100

253 178.7 18.2 27.2#

125 112.9 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

