

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093622.D
 Acq On : 13 Mar 2017 22:01
 Operator : SJ/MA
 Sample : I2230-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4-CHAR

Quant Time: Mar 14 01:06:03 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

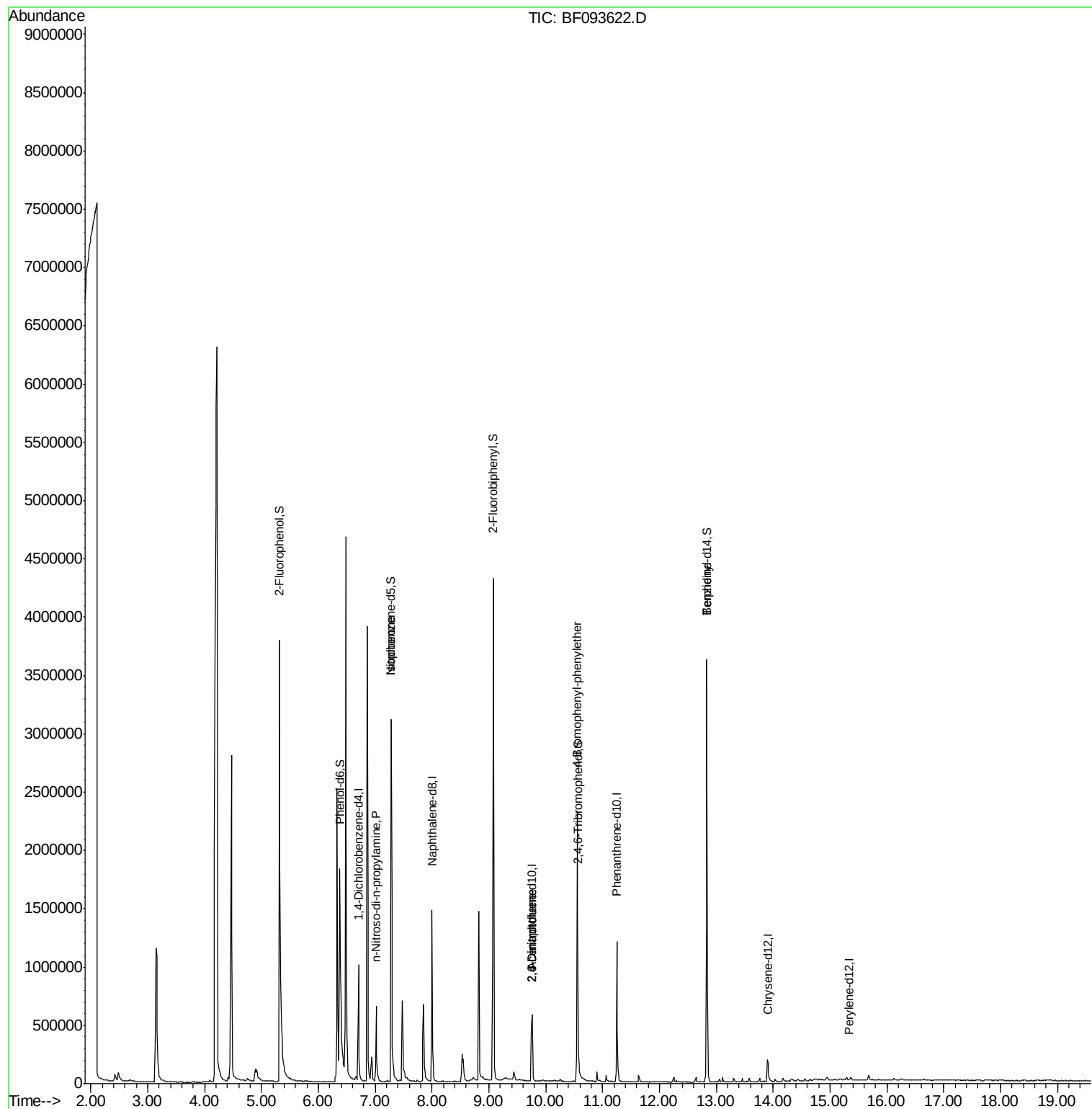
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	183499	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	682367	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	136059	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	381419	20.00	ng	0.00
75) Chrysene-d12	13.90	240	63066	20.00	ng	0.01
86) Perylene-d12	15.34	264	1518	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1572611	142.64	ng	0.00
7) Phenol-d6	6.38	99	1029045	74.01	ng	0.00
23) Nitrobenzene-d5	7.28	82	1290997	104.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	355941	401.54	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	2016945	275.73	ng	-0.01
78) Terphenyl-d14	12.84	244	872672	359.76	ng	0.01
Target Compounds						
9) Benzaldehyde	6.31	77	4408	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.02	70	32842	3.44 ng	#	28
25) Isophorone	7.28	82	1243172	50.13 ng	#	65
50) 2,6-Dinitrotoluene	9.75	165	17030	8.60 ng	#	34
56) 2,4-Dinitrotoluene	9.75	165	17030	7.00 ng	#	23
66) 4-Bromophenyl-phenylether	10.55	248	25632	6.36 ng	#	1
76) Benzydine	12.84	184	14796	7.13 ng	#	63

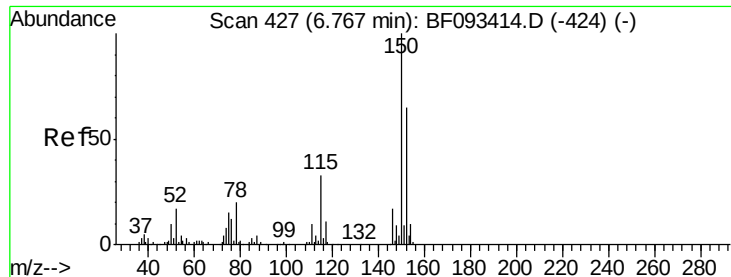
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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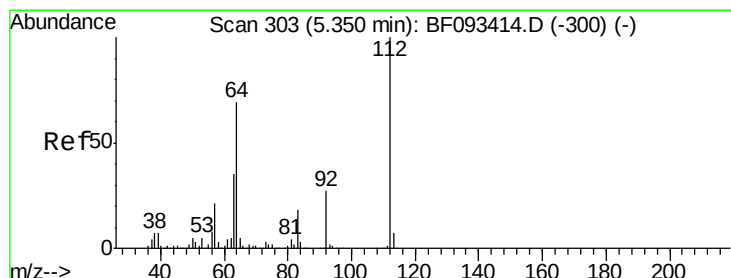
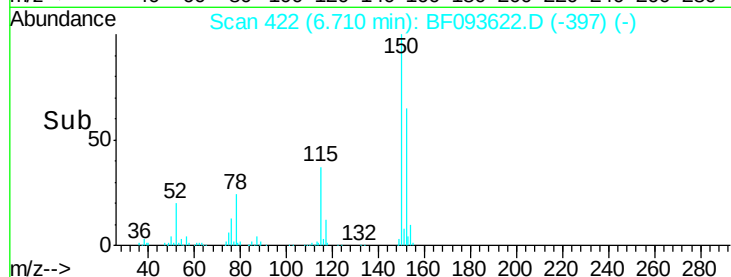
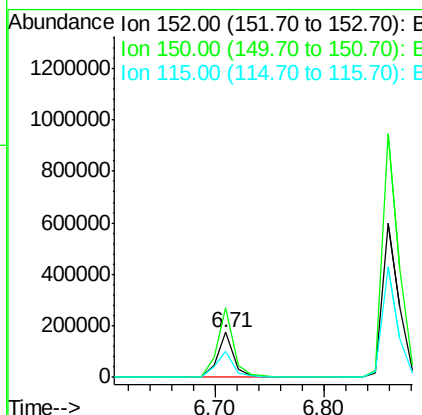
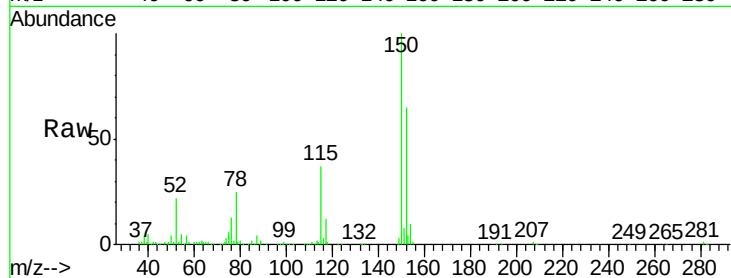


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093622.D
Acq: 13 Mar 2017 22:01

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4-CHAR

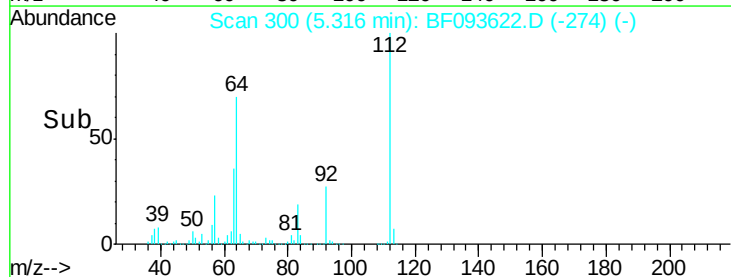
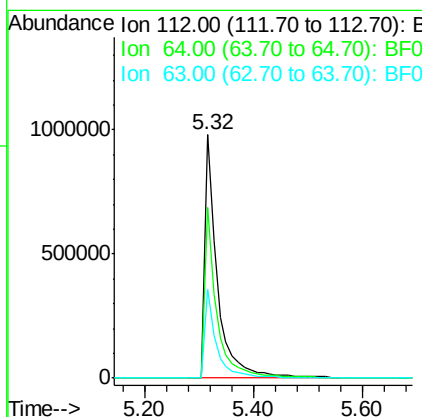
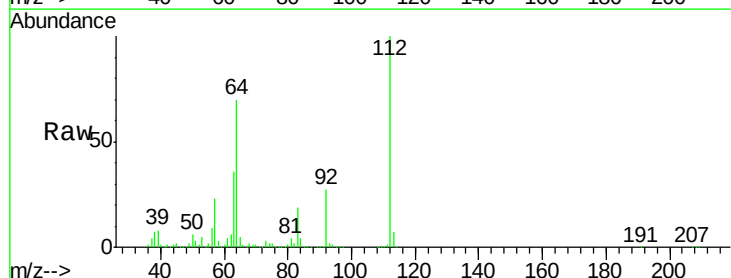
Tgt Ion:152 Resp: 183499
Ion Ratio Lower Upper
152 100
150 154.9 124.9 187.3
115 56.7 46.0 69.0

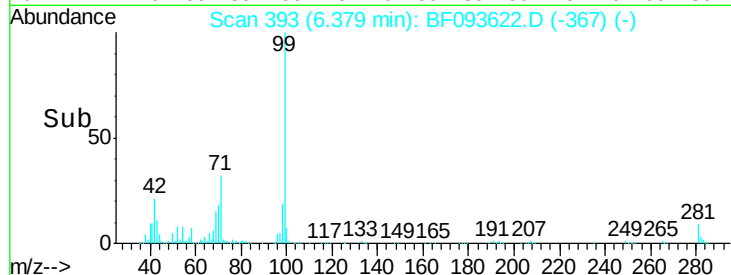
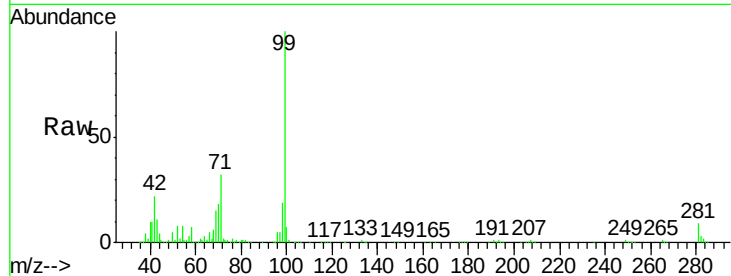
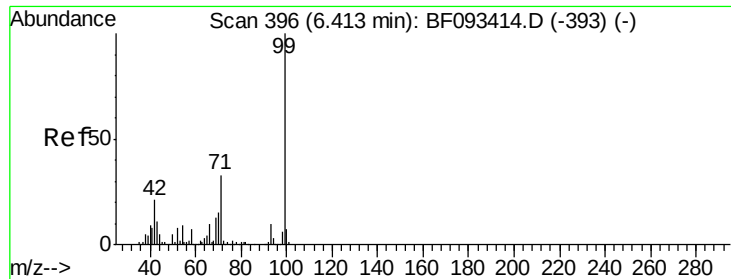


#5

2-Fluorophenol
Concen: 142.64 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093622.D
Acq: 13 Mar 2017 22:01

Tgt Ion:112 Resp: 1572611
Ion Ratio Lower Upper
112 100
64 70.1 46.1 69.1#
63 36.2 23.8 35.6#





#7

Phenol-d6

Concen: 74.01 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-4-CHAR

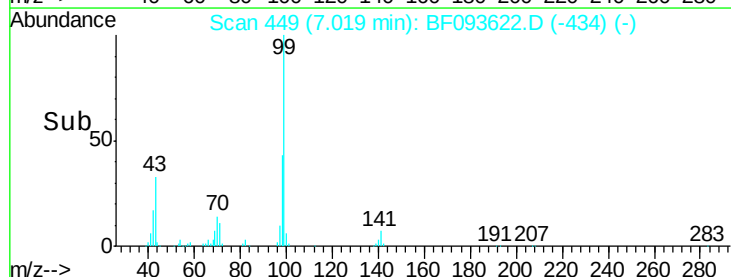
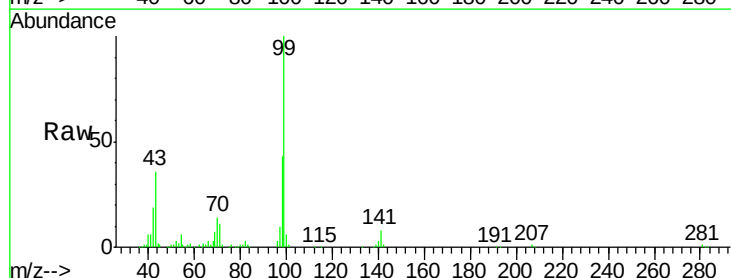
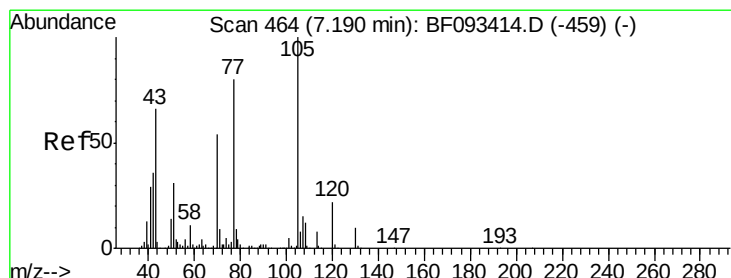
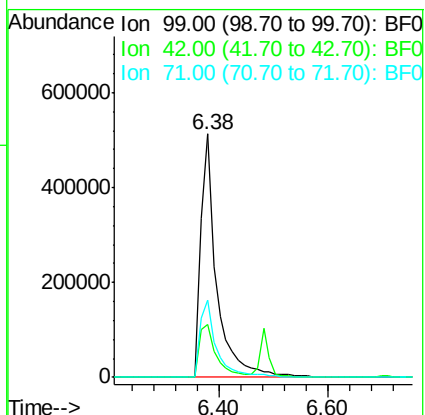
Tgt Ion: 99 Resp: 1029045

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

71 31.5 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.44 ng

RT: 7.02 min Scan# 449

Delta R.T. -0.13 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

Tgt Ion: 70 Resp: 32842

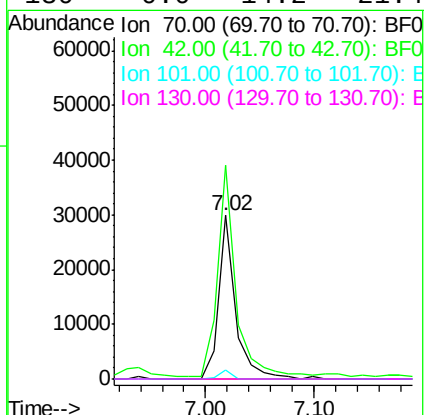
Ion Ratio Lower Upper

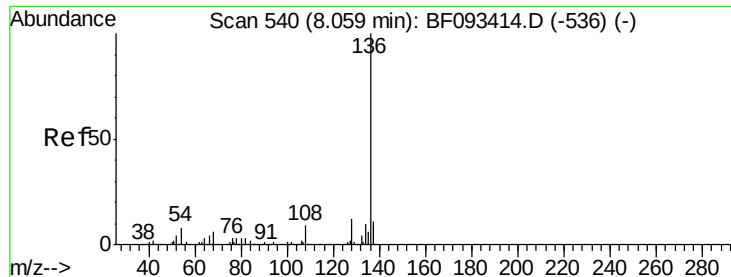
70 100

42 130.5 49.4 74.0#

101 5.3 7.4 11.2#

130 0.0 14.2 21.4#

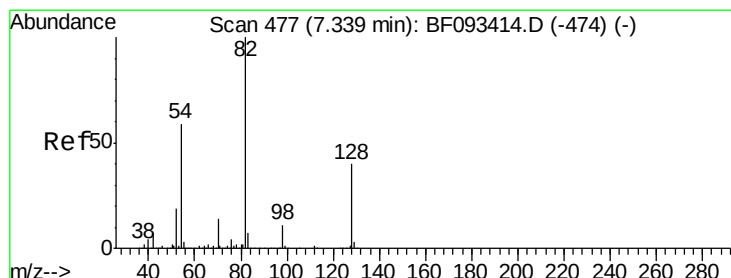
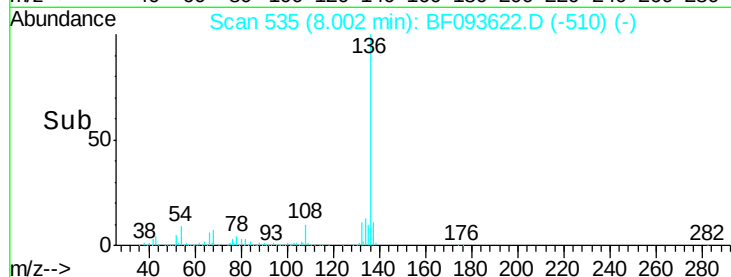
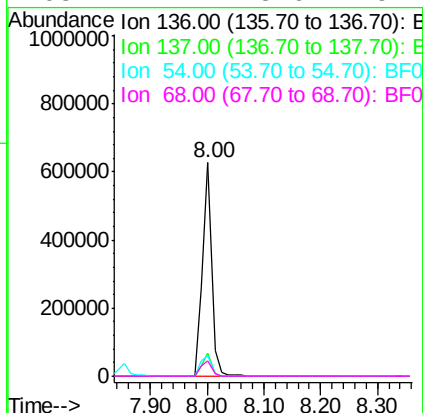
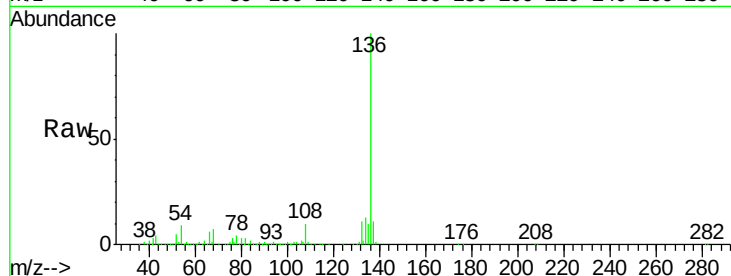




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093622.D
Acq: 13 Mar 2017 22:01

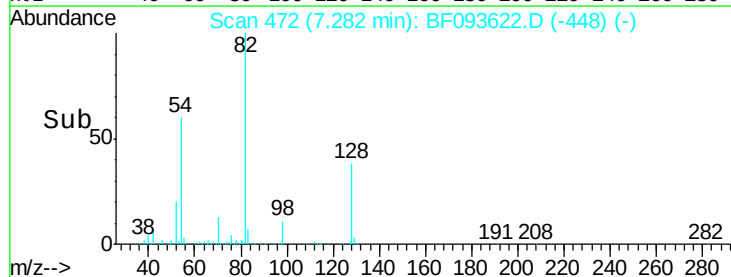
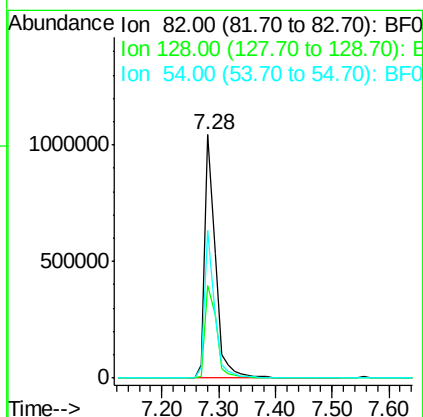
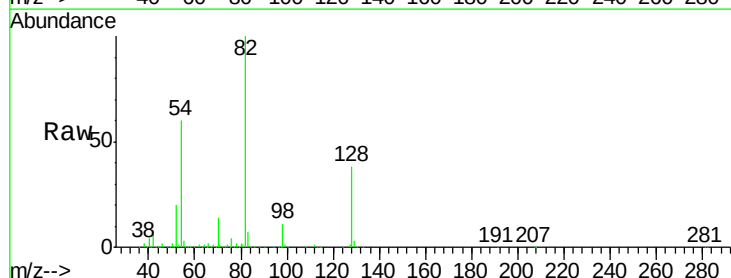
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4-CHAR

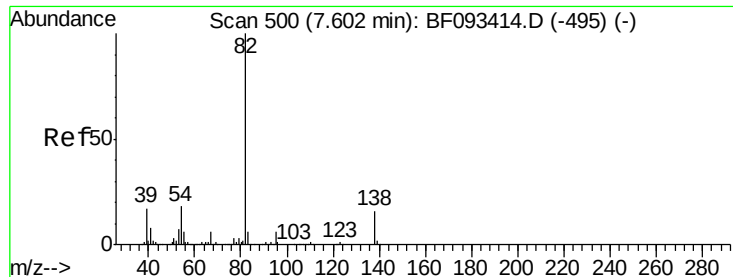
Tgt Ion:	136	Resp:	682367
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.5	4.5	6.7#
68	7.1	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 104.97 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093622.D
Acq: 13 Mar 2017 22:01

Tgt Ion:	82	Resp:	1290997
Ion	Ratio	Lower	Upper
82	100		
128	38.2	34.6	52.0
54	60.5	39.5	59.3#





#25

Isophorone

Concen: 50.13 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-4-CHAR

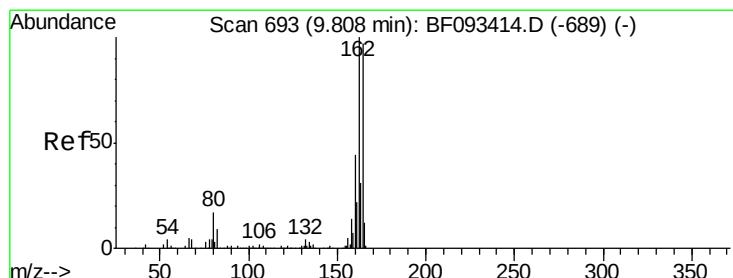
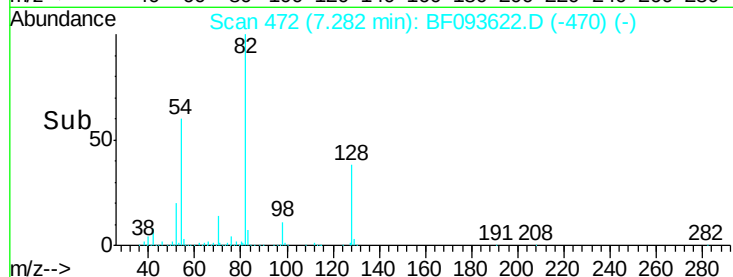
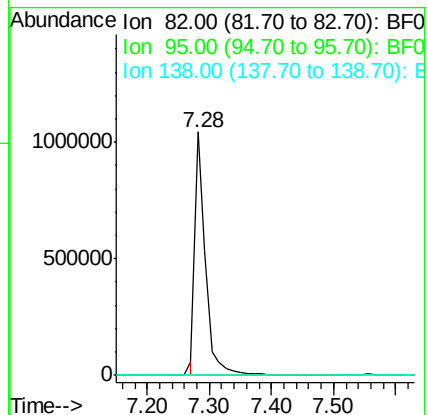
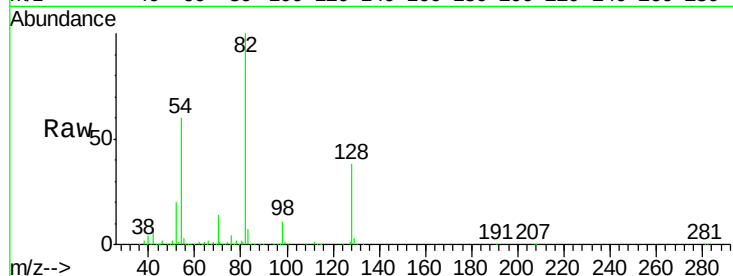
Tgt Ion: 82 Resp: 1243172

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

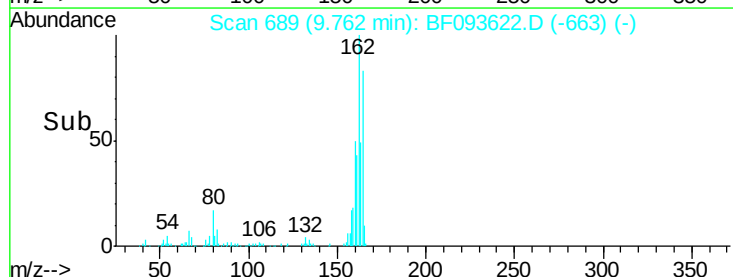
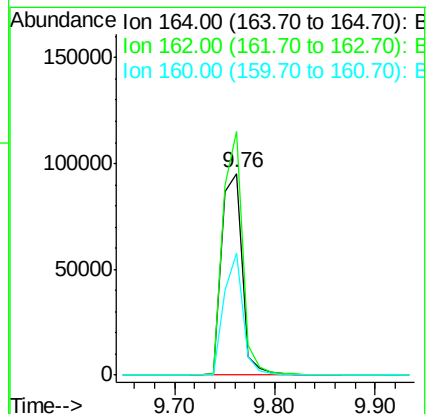
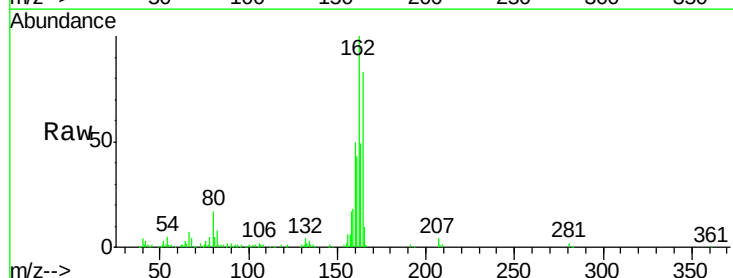
Tgt Ion:164 Resp: 136059

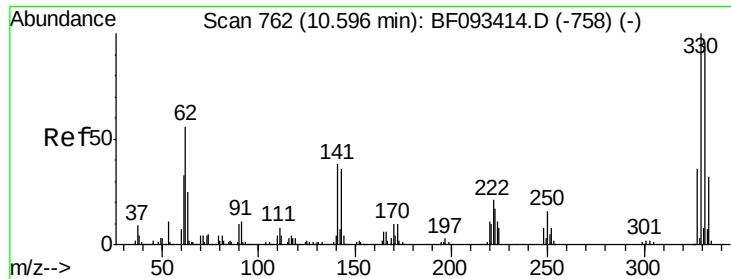
Ion Ratio Lower Upper

164 100

162 120.7 80.2 120.2#

160 60.4 36.9 55.3#

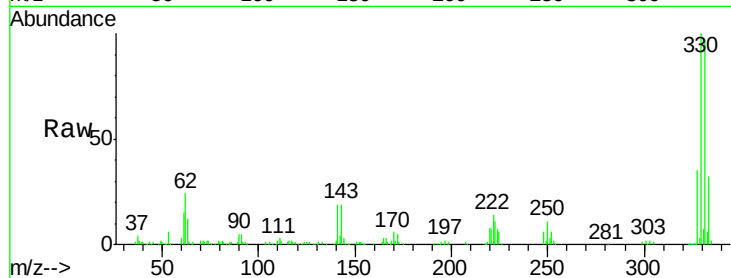




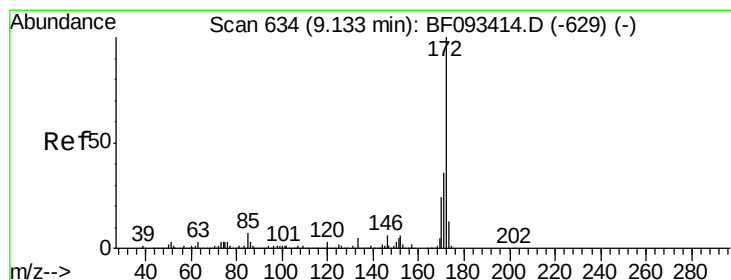
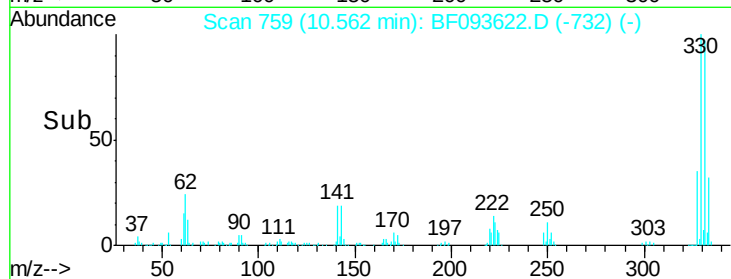
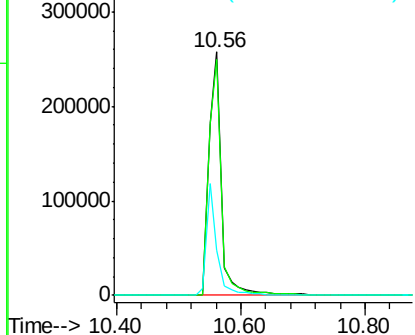
#41
 2,4,6-Tribromophenol
 Concen: 401.54 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093622.D
 Acq: 13 Mar 2017 22:01

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4-CHAR

Tgt Ion:330 Resp: 355941
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 39.8 34.1 51.1

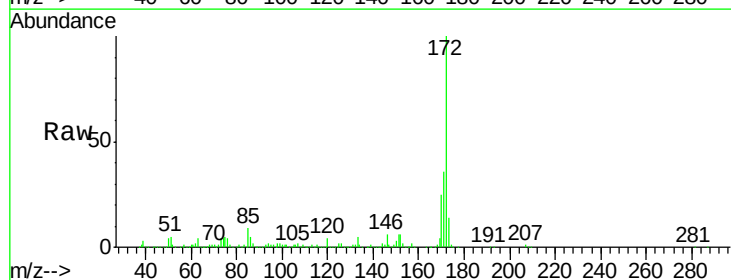


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

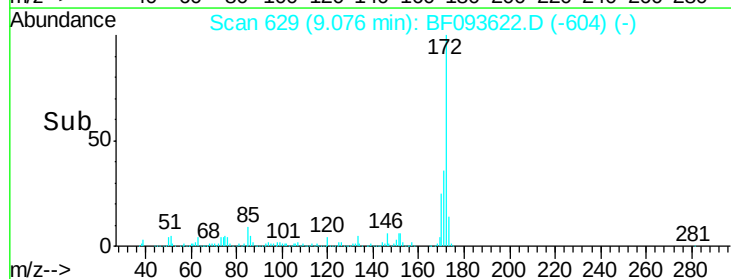
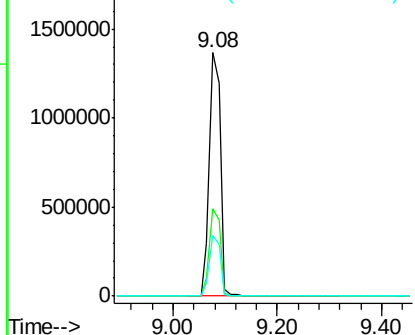


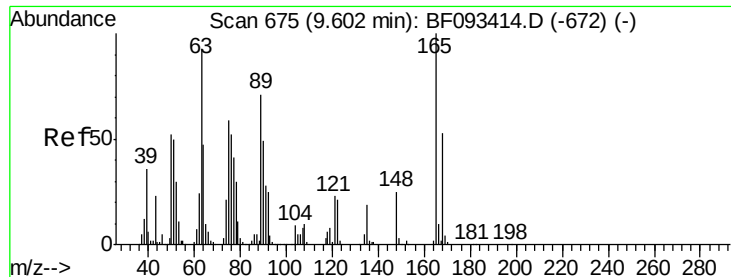
#44
 2-Fluorobiphenyl
 Concen: 275.73 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093622.D
 Acq: 13 Mar 2017 22:01

Tgt Ion:172 Resp: 2016945
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.8 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

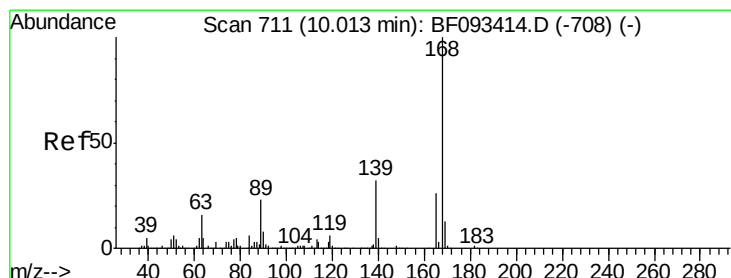
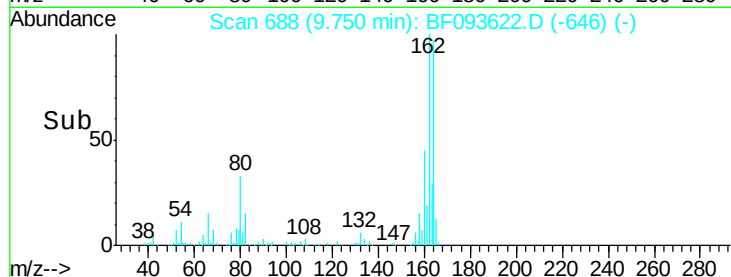
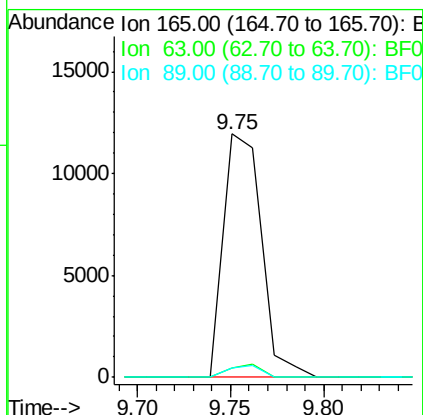
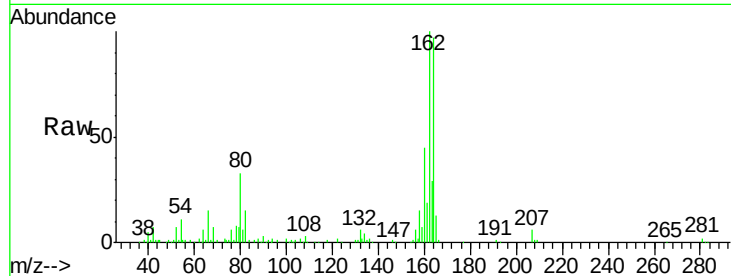




#50
 2,6-Dinitrotoluene
 Concen: 8.60 ng
 RT: 9.75 min Scan# 688
 Delta R.T. 0.18 min
 Lab File: BF093622.D
 Acq: 13 Mar 2017 22:01

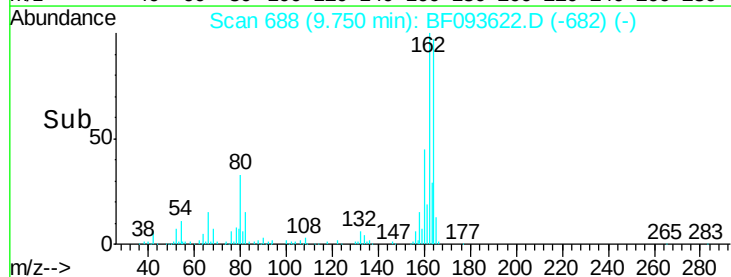
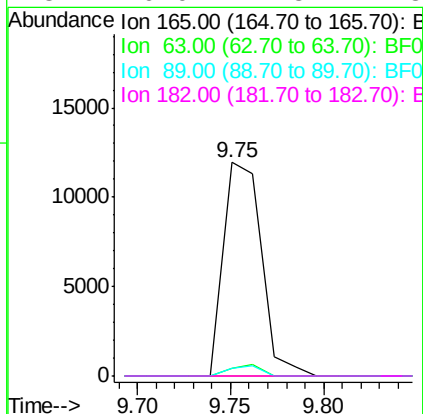
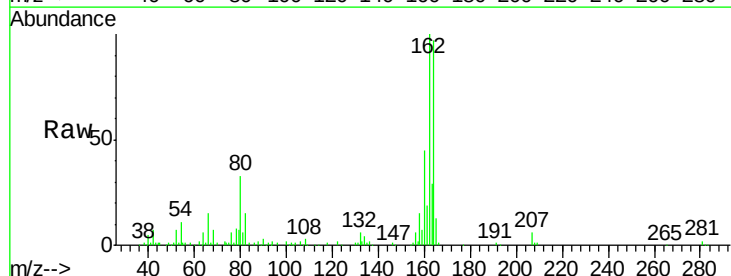
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4-CHAR

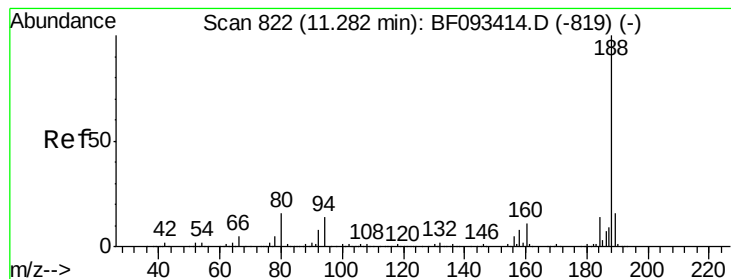
Tgt Ion:165 Resp: 17030
 Ion Ratio Lower Upper
 165 100
 63 3.6 36.2 54.4#
 89 3.6 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.00 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.23 min
 Lab File: BF093622.D
 Acq: 13 Mar 2017 22:01

Tgt Ion:165 Resp: 17030
 Ion Ratio Lower Upper
 165 100
 63 3.6 40.2 60.4#
 89 3.6 62.5 93.7#
 182 0.0 1.8 2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-4-CHAR

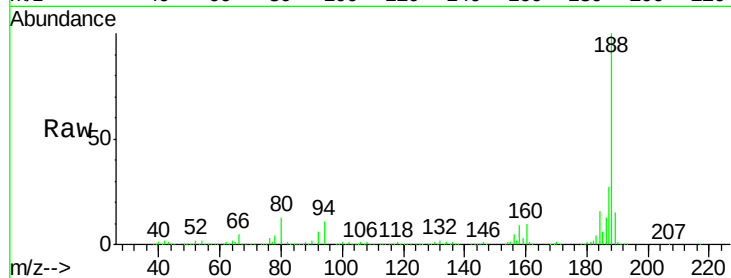
Tgt Ion:188 Resp: 381419

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

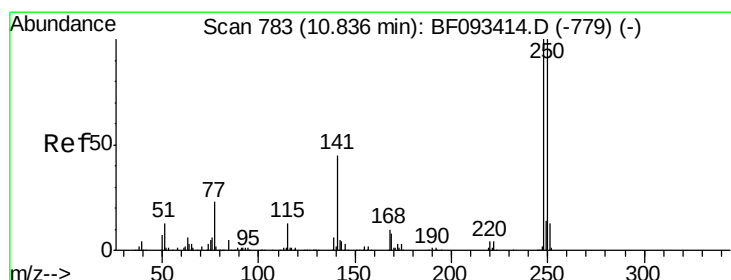
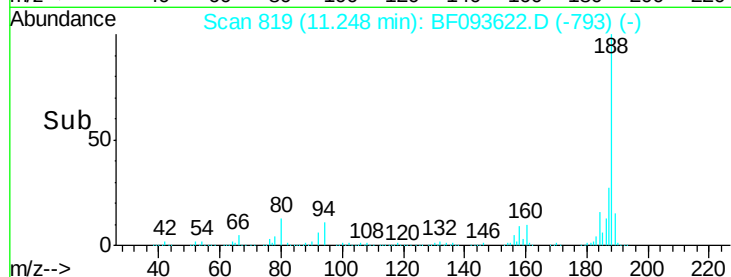
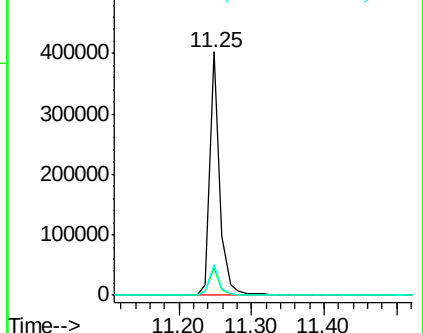
80 13.0 11.2 16.8



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: 6.36 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

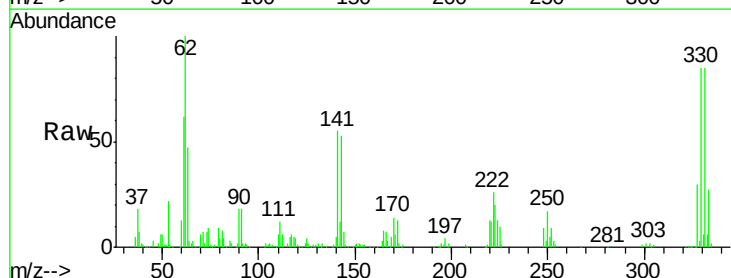
Tgt Ion:248 Resp: 25632

Ion Ratio Lower Upper

248 100

250 197.7 76.9 115.3#

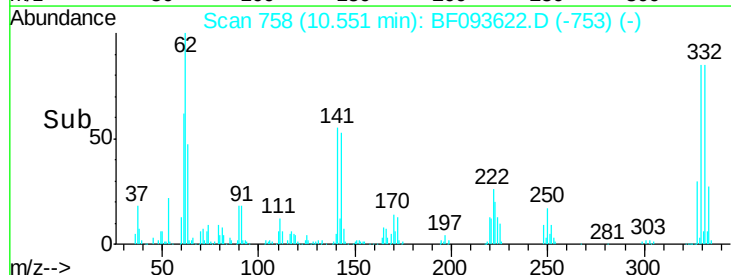
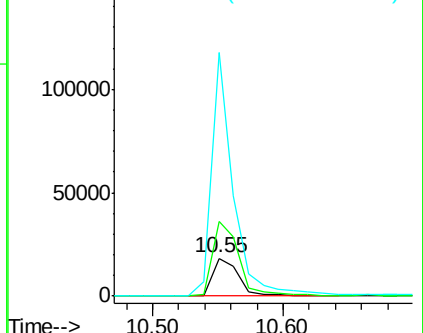
141 640.3 68.2 102.4#

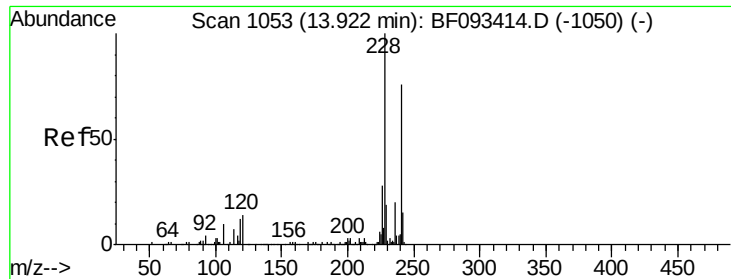


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

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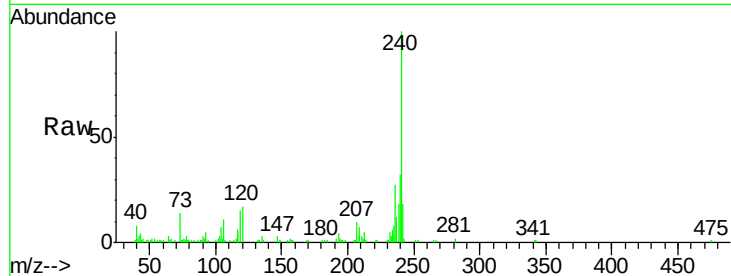
Tgt Ion:240 Resp: 63066

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

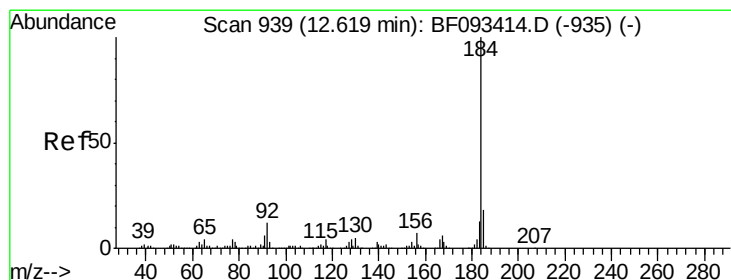
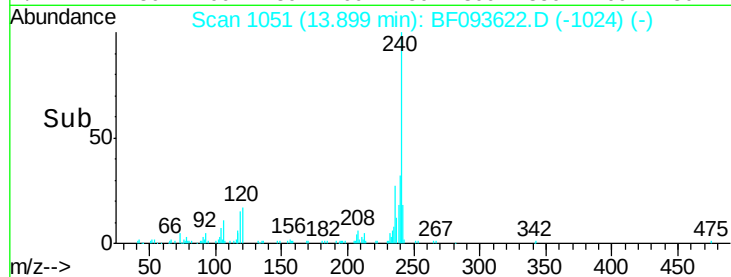
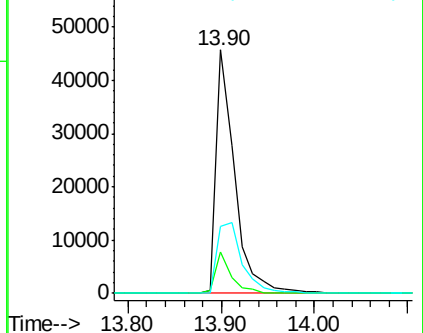
236 27.4 20.9 31.3



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: 7.13 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.25 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

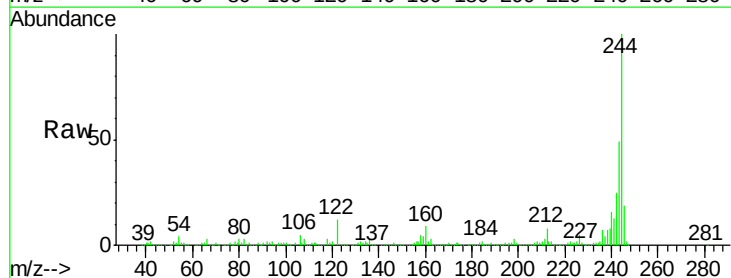
Tgt Ion:184 Resp: 14796

Ion Ratio Lower Upper

184 100

185 22.4 13.4 20.0#

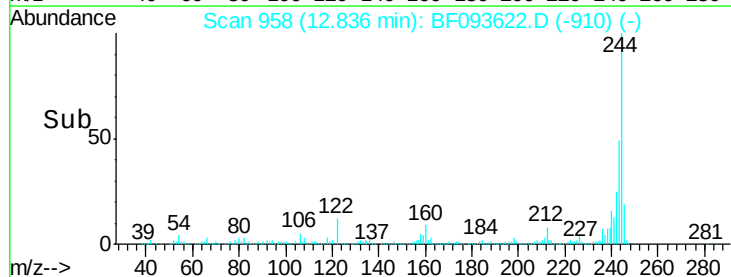
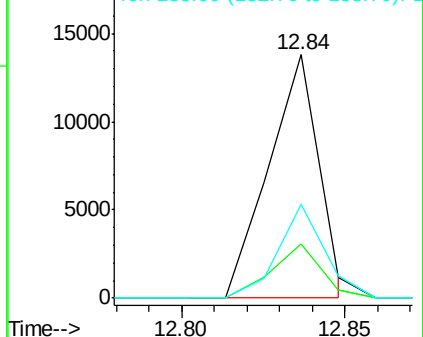
183 38.6 9.2 13.8#

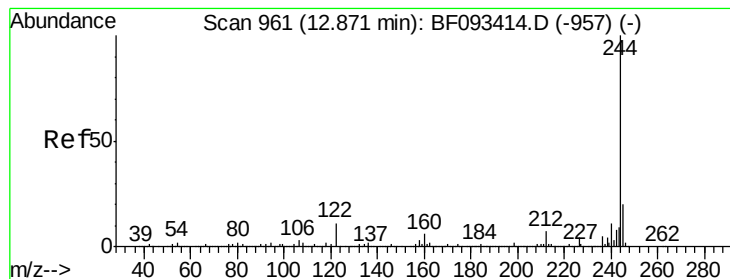


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 359.76 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093622.D

Acq: 13 Mar 2017 22:01

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-4-CHAR

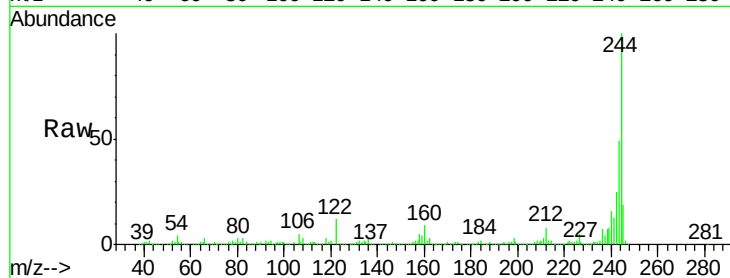
Tgt Ion:244 Resp: 872672

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

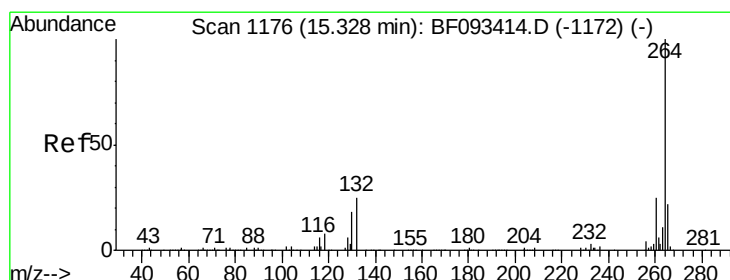
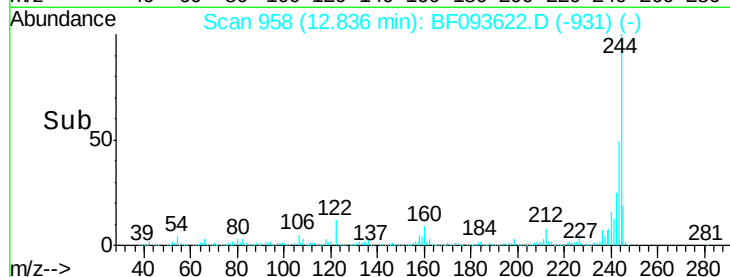
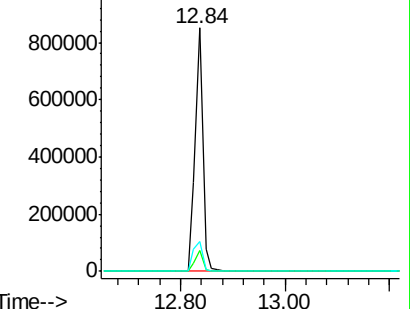
122 12.2 11.4 17.2



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: BF093622.D

Acq: 13 Mar 2017 22:01

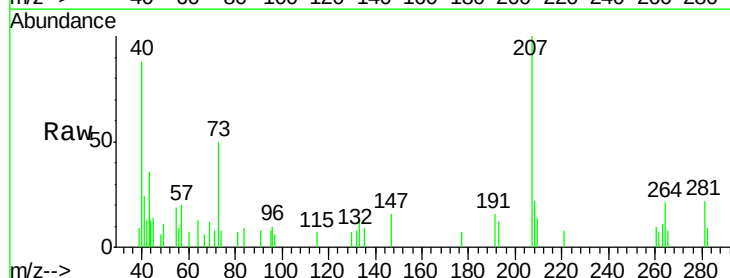
Tgt Ion:264 Resp: 1518

Ion Ratio Lower Upper

264 100

260 48.4 19.2 28.8#

265 37.8 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

