

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093539.D
 Acq On : 10 Mar 2017 23:10
 Operator : SJ/MA
 Sample : I2198-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-22

Quant Time: Mar 11 02:31:39 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

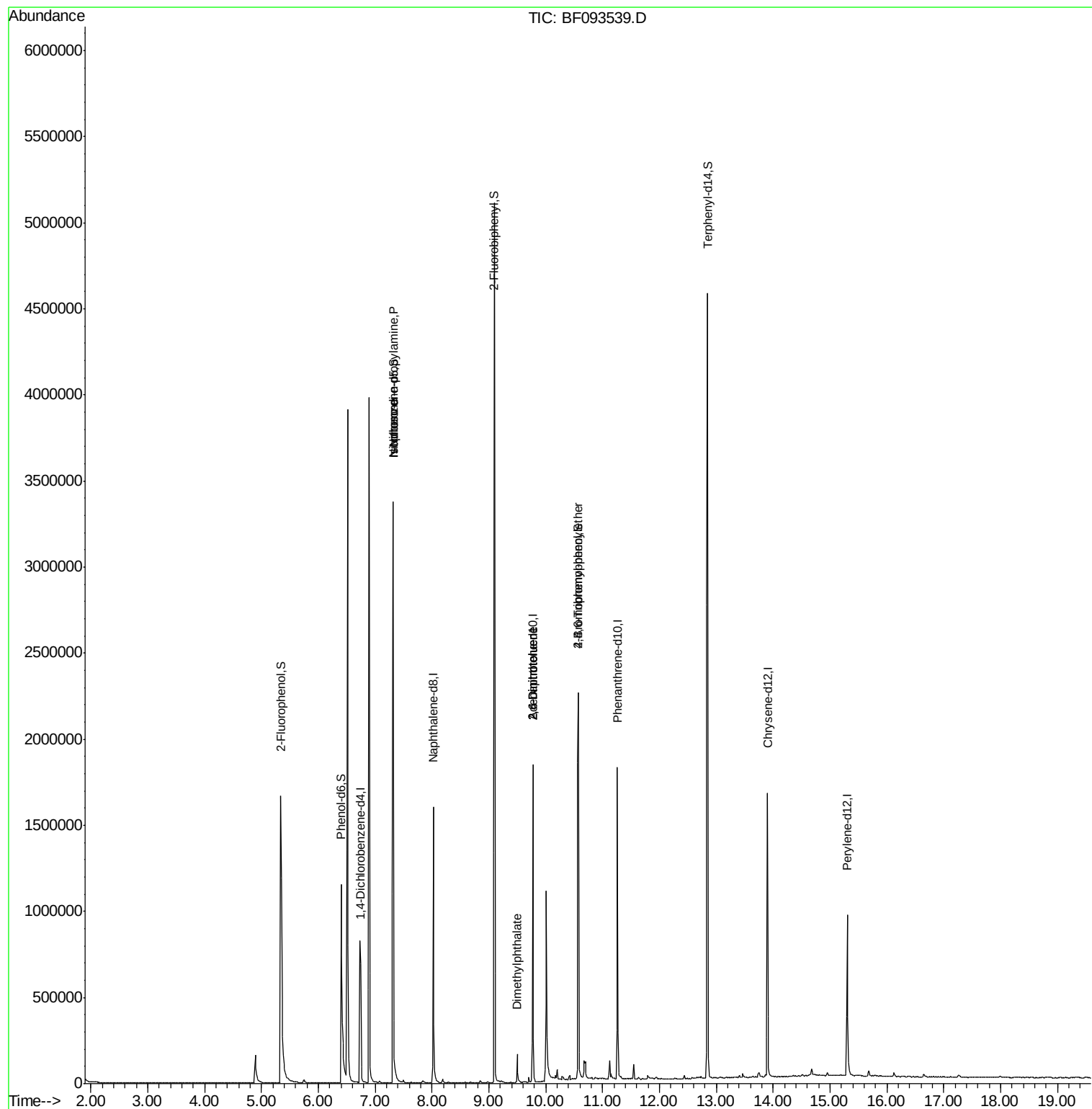
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	178736	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	720728	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	341116	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	636820	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	572272	20.00	ng	-0.02
86) Perylene-d12	15.31	264	405842	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	798079	74.31	ng	-0.01
7) Phenol-d6	6.40	99	705616	52.10	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1214589	93.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	351871	158.33	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1629857	88.87	ng	-0.03
78) Terphenyl-d14	12.85	244	1679186	76.29	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.40	77	1158	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	166386	17.87	ng	# 80
25) Isophorone	7.32	82	1215741	46.41	ng	# 65
49) Dimethylphthalate	9.50	163	70804	3.13	ng	99
50) 2,6-Dinitrotoluene	9.77	165	44432	8.95	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	44425	7.29	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	26880	3.99	ng	# 1

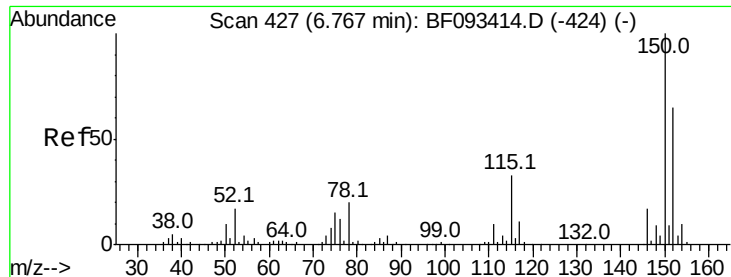
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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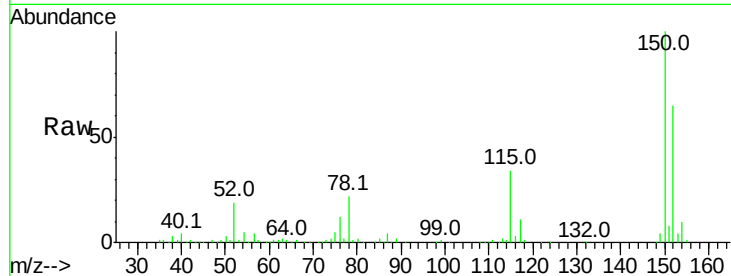


#1

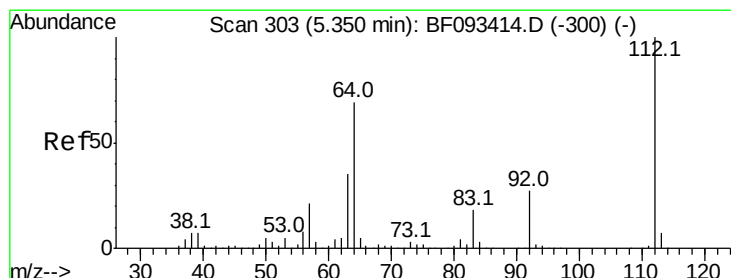
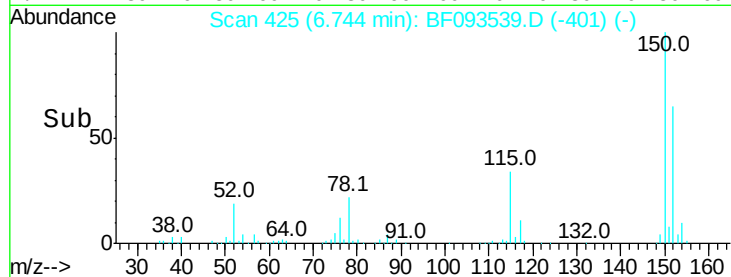
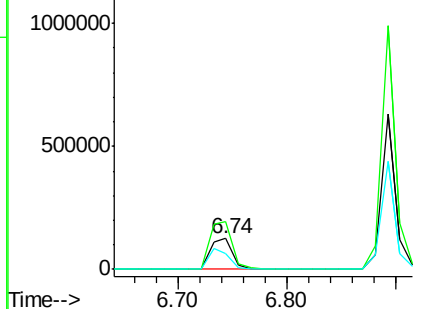
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 425
Delta R.T. -0.02 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Instrument :
BNA_F
ClientSampled :
W-22

Tot Ion:152 Resp: 178736
Ion Ratio Lower Upper
152 100
150 152.7 124.9 187.3
115 52.6 46.0 69.0



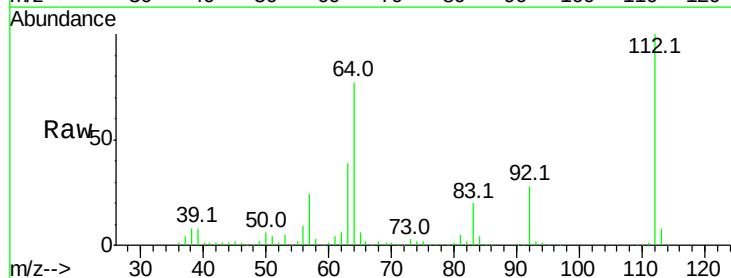
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



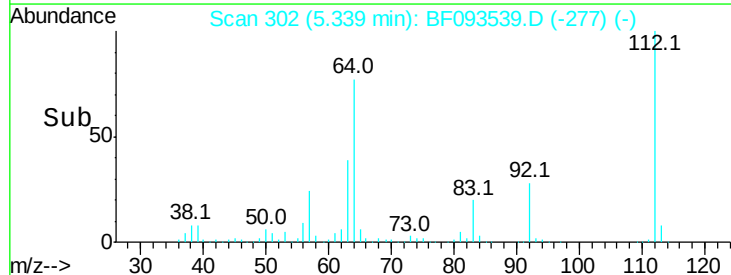
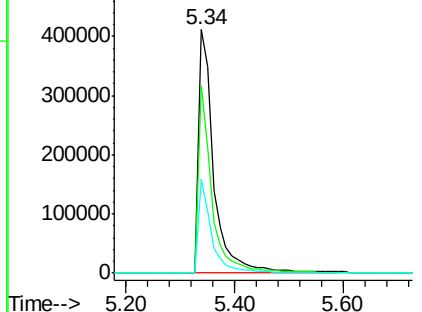
#5

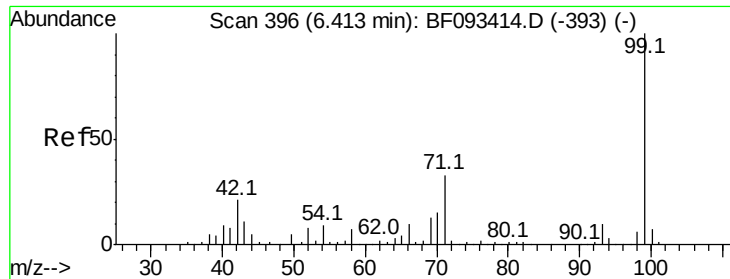
2-Fluorophenol
Concen: 74.31 ng
RT: 5.34 min Scan# 302
Delta R.T. -0.01 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Tgt Ion:112 Resp: 798079
Ion Ratio Lower Upper
112 100
64 76.8 46.1 69.1#
63 38.7 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: 52.10 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

Instrument :

BNA_F

ClientSampled :

W-22

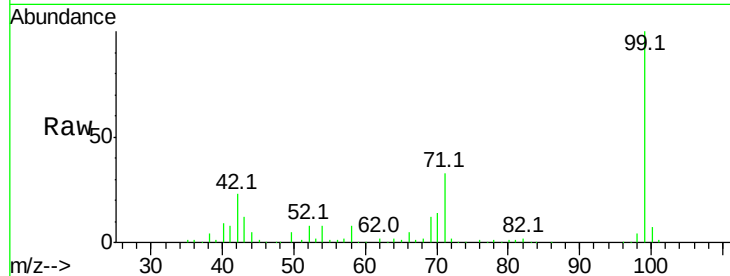
Tot Ion: 99 Resp: 705616

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

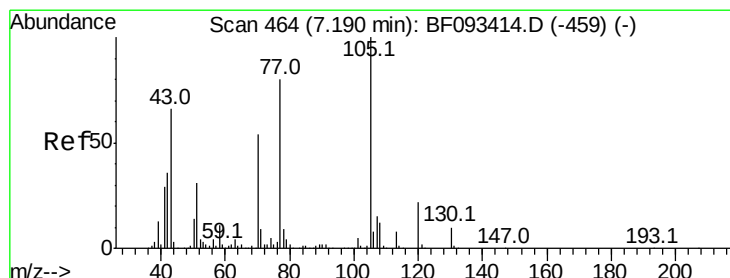
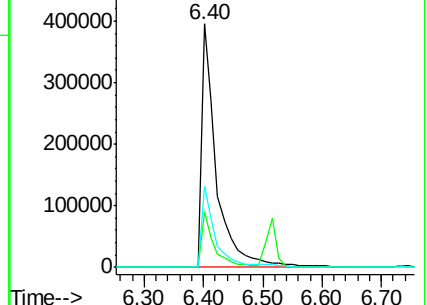
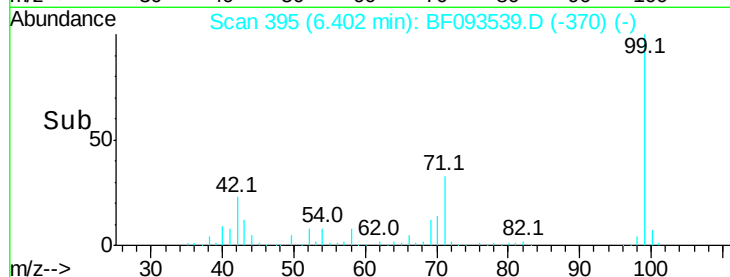
71 33.4 27.5 41.3



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: 17.87 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

Tgt Ion: 70 Resp: 166386

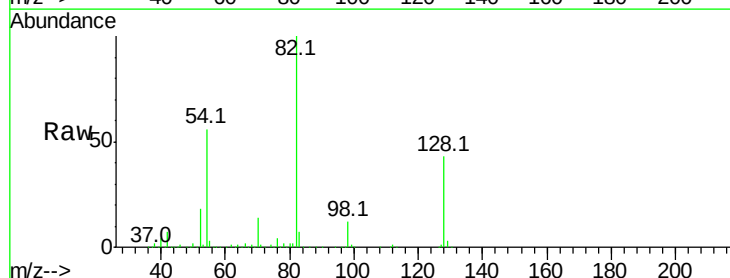
Ion Ratio Lower Upper

70 100

42 50.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

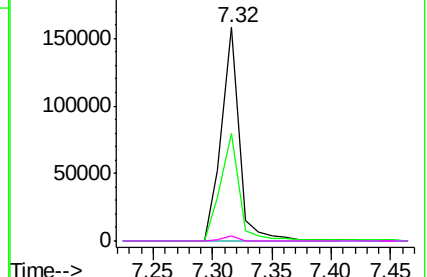
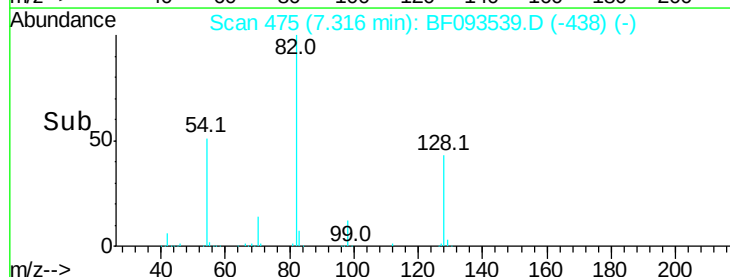


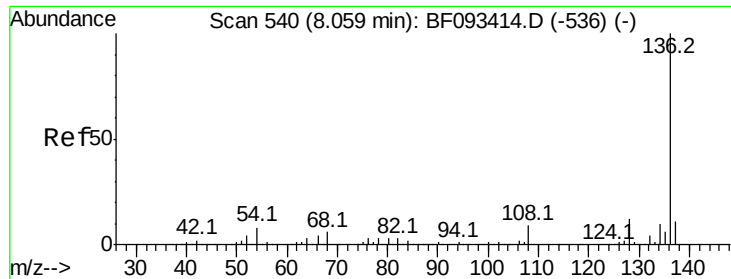
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

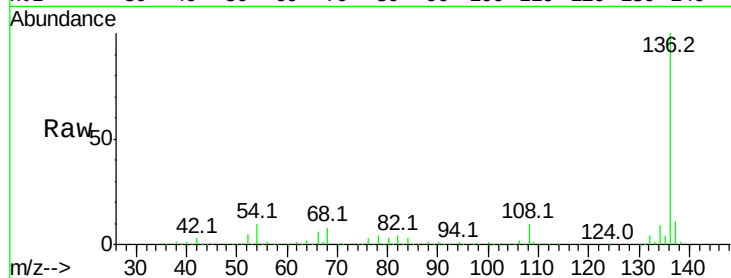




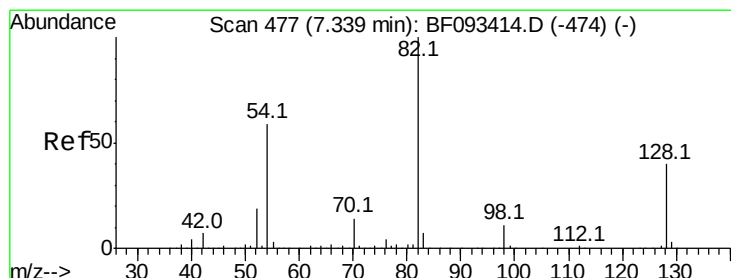
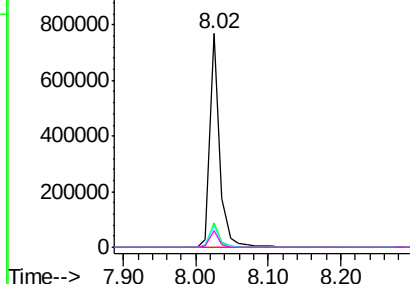
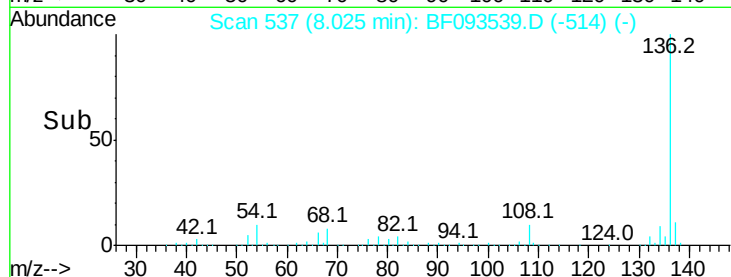
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Instrument :
BNA_F
ClientSampleId :
W-22

Tot Ion:136	Resp: 720728
Ion Ratio	Lower Upper
136 100	
137 11.3	8.4 12.6
54 10.2	4.5 6.7#
68 7.6	3.6 5.4#

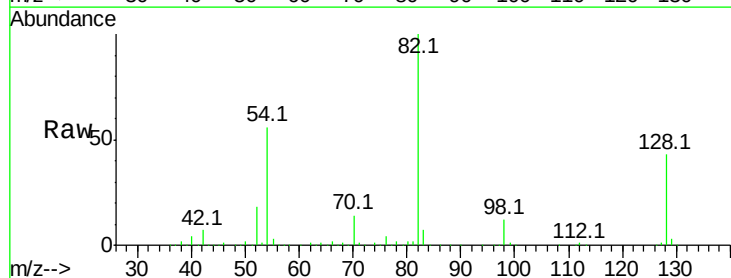


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

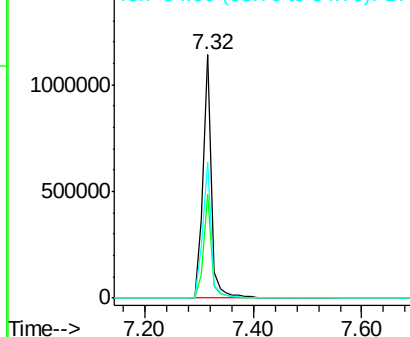
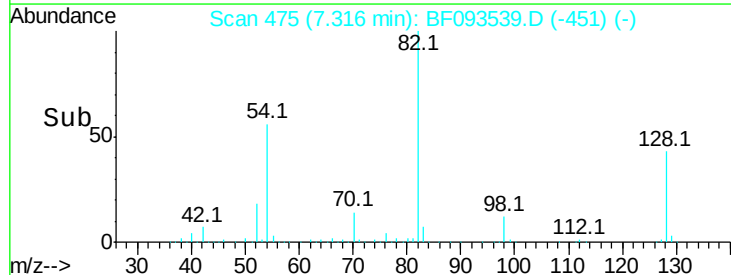


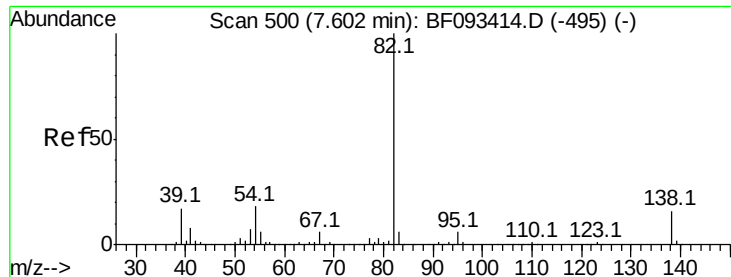
#23
Nitrobenzene-d5
Concen: 93.50 ng
RT: 7.32 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Tgt	Ion: 82	Resp: 1214589	
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	56.1	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.41 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

Instrument :

BNA_F

ClientSampleId :

W-22

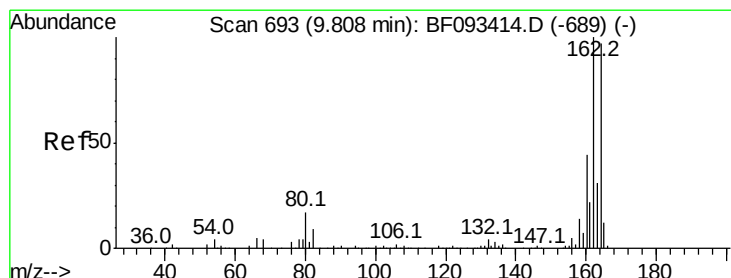
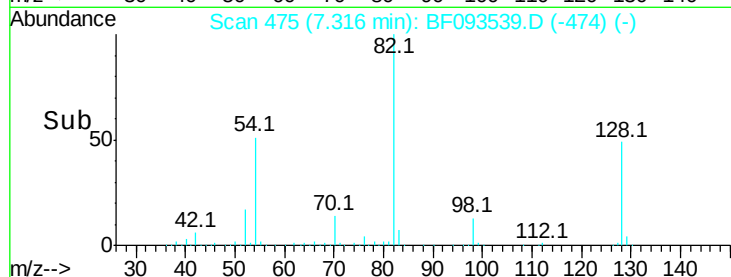
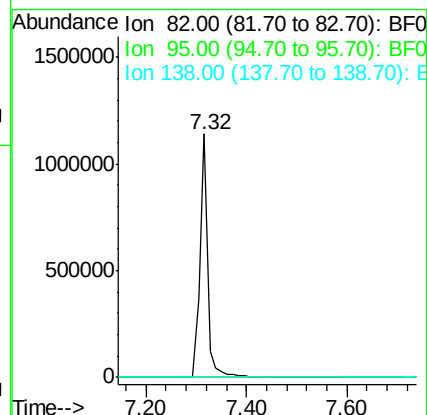
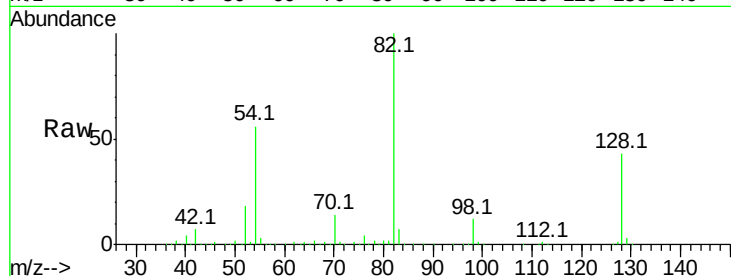
Tot Ion: 82 Resp: 1215741

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

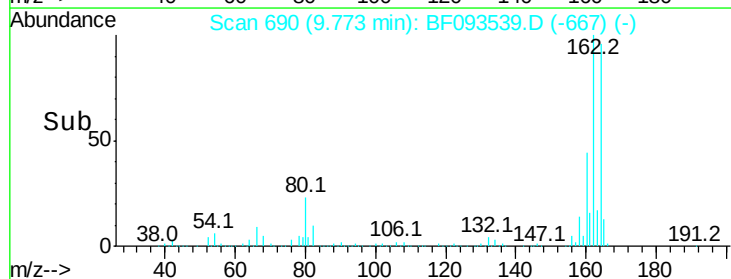
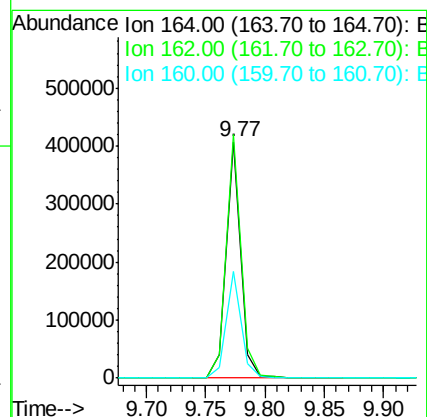
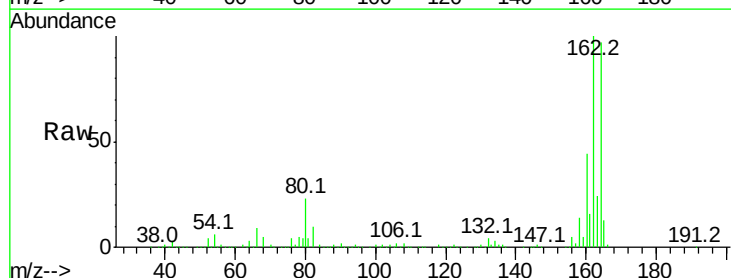
Tgt Ion:164 Resp: 341116

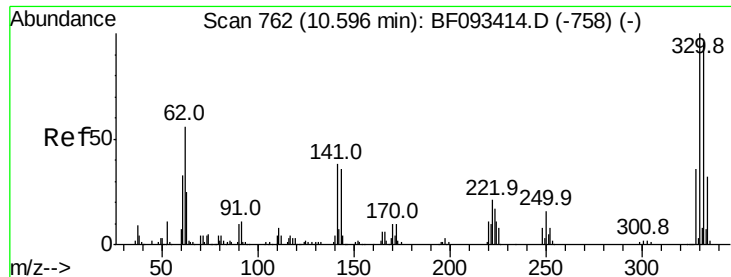
Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

160 45.0 36.9 55.3

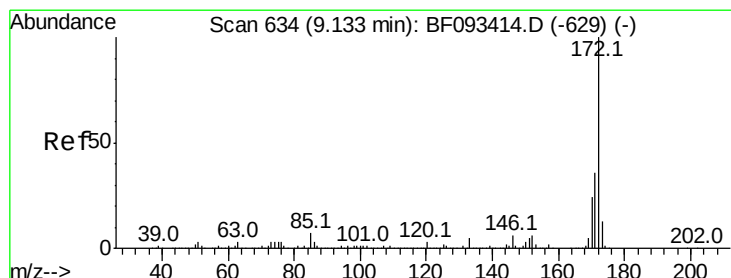
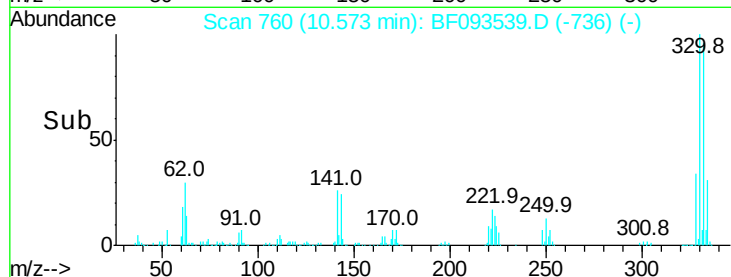
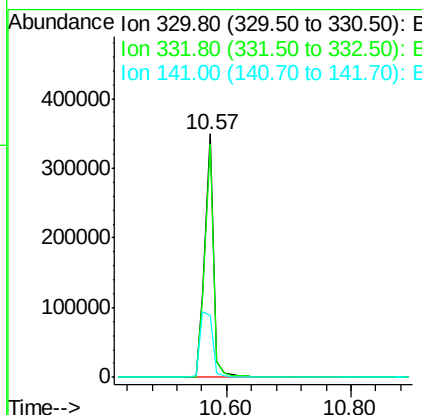
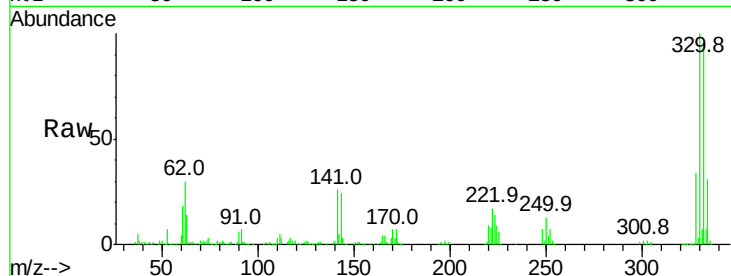




#41
 2,4,6-Tribromophenol
 Concen: 158.33 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093539.D
 Acq: 10 Mar 2017 23:10

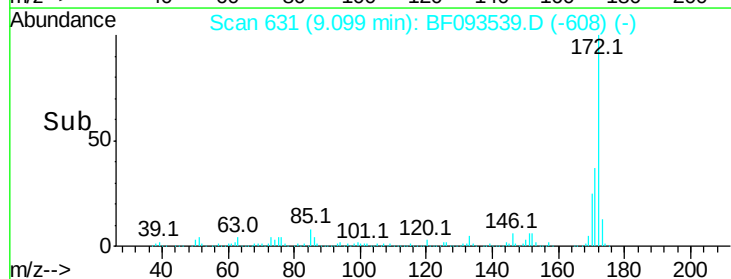
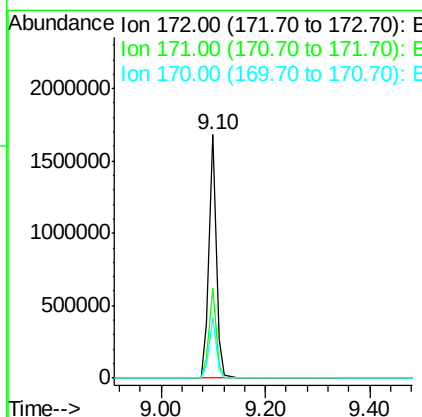
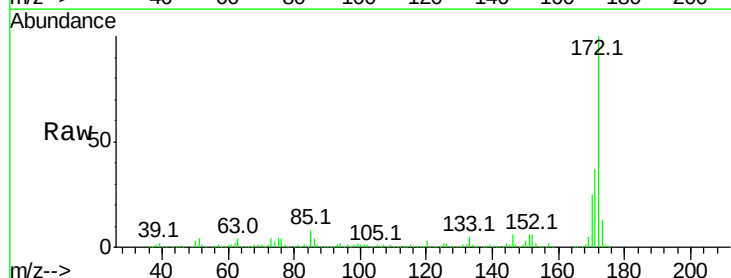
Instrument :
 BNA_F
 ClientSampleId :
 W-22

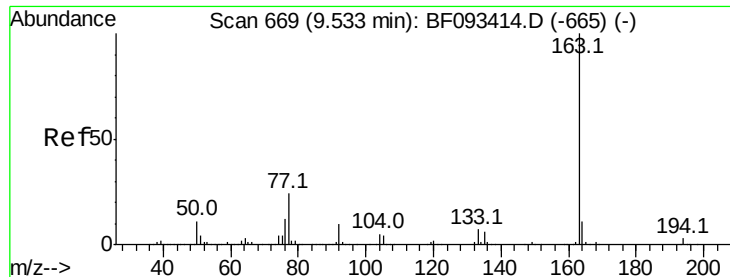
Tot Ion:330 Resp: 351871
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 39.0 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 88.87 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093539.D
 Acq: 10 Mar 2017 23:10

Tgt Ion:172 Resp: 1629857
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.8 20.2 30.4





#49

Dimethylphthalate

Concen: 3.13 ng

RT: 9.50 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

Instrument :

BNA_F

ClientSampleId :

W-22

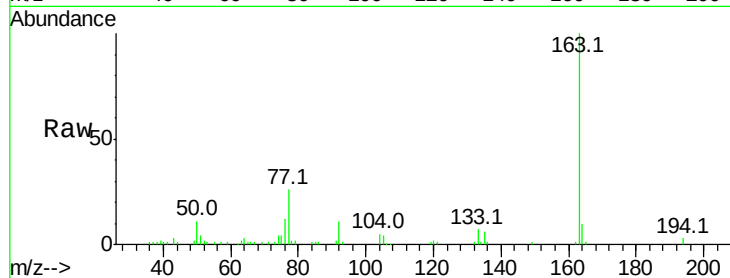
Tot Ion:163 Resp: 70804

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

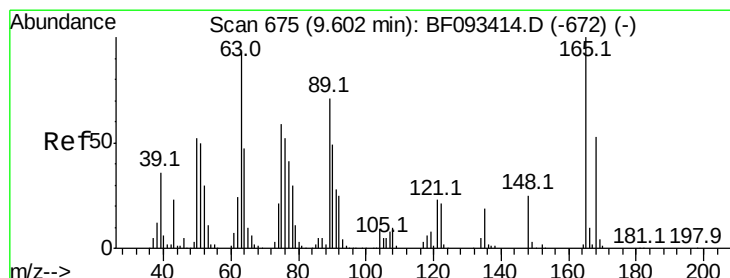
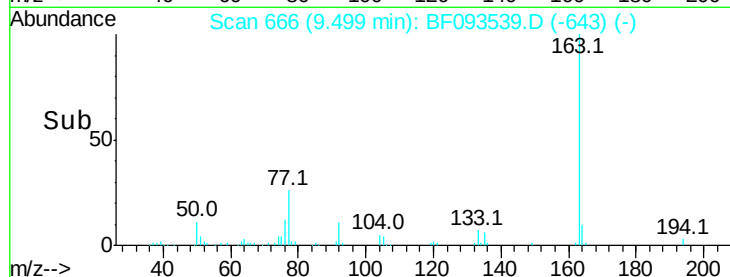
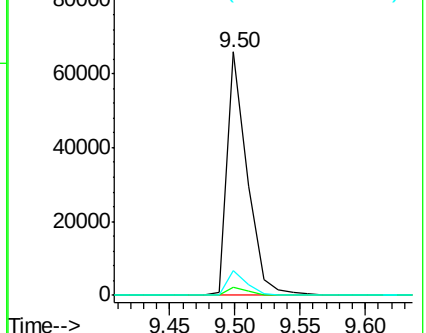
164 10.4 8.0 12.0



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: 8.95 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

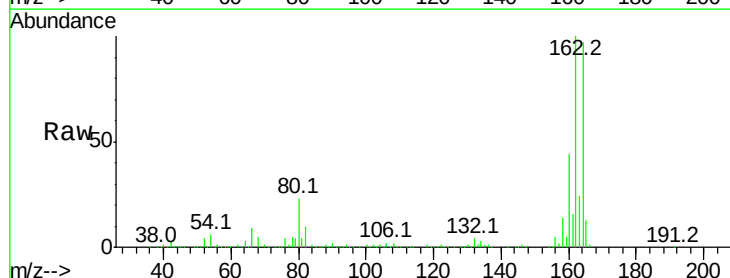
Tgt Ion:165 Resp: 44432

Ion Ratio Lower Upper

165 100

63 1.3 36.2 54.4#

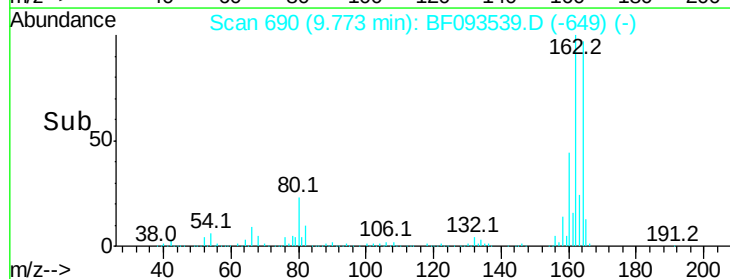
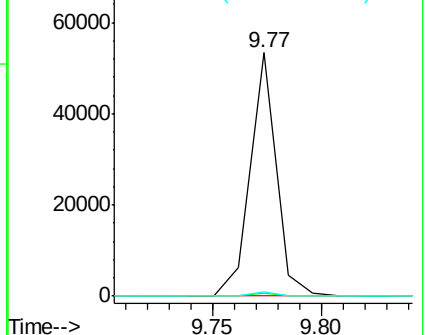
89 1.7 40.2 60.4#

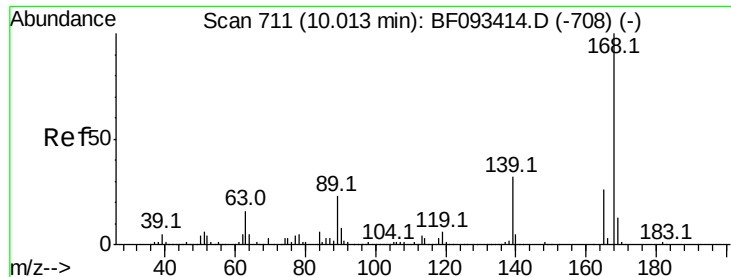


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

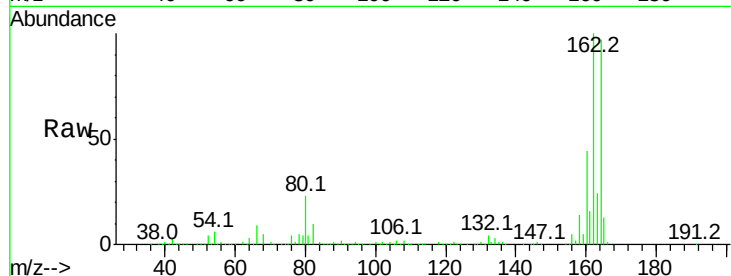




#56
 2,4-Dinitrotoluene
 Concen: 7.29 ng
 RT: 9.77 min Scan# 690
 Delta R.T. -0.24 min
 Lab File: BF093539.D
 Acq: 10 Mar 2017 23:10

Instrument :
 BNA_F
 ClientSampleId :
 W-22

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.7	62.5	93.7#
182	0.0	1.8	2.8#



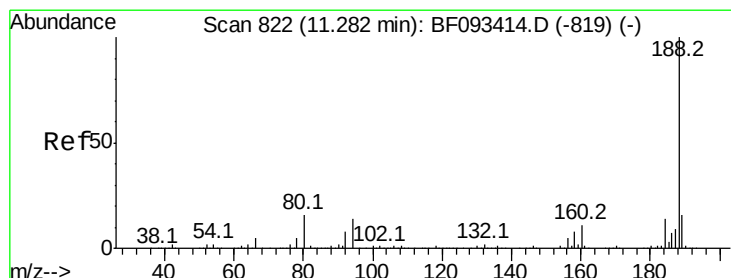
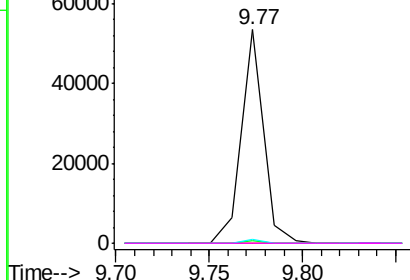
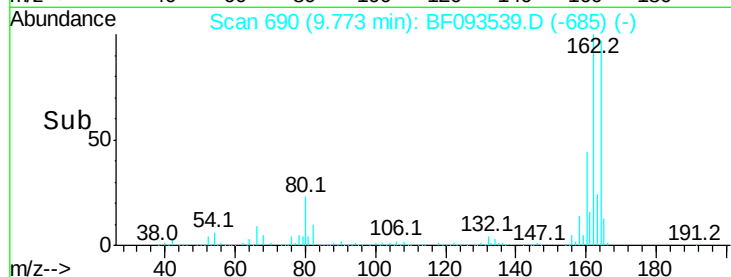
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

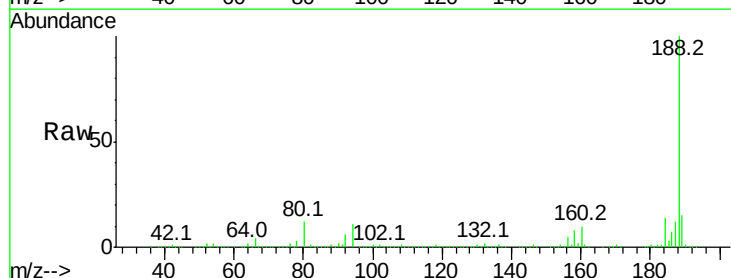
Ion 89.00 (88.70 to 89.70): BF0

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: BF093539.D
 Acq: 10 Mar 2017 23:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.0	15.0
80	12.3	11.2	16.8

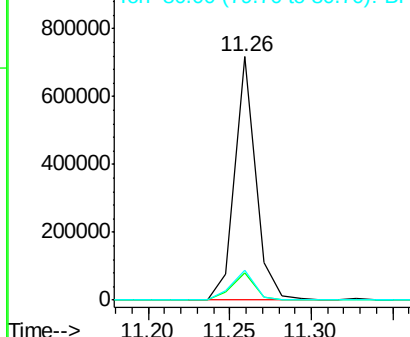
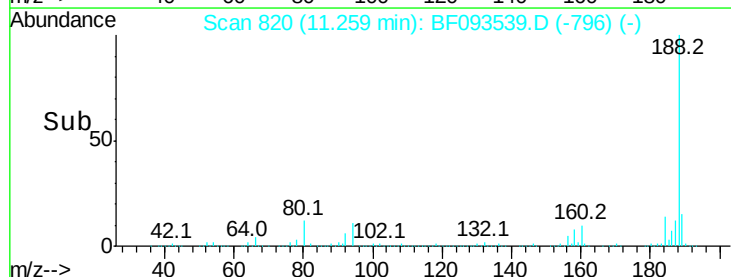


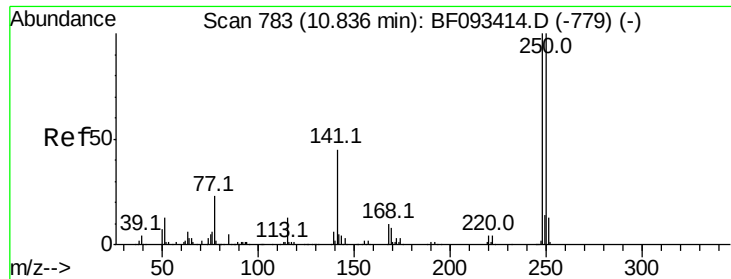
Abundance

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

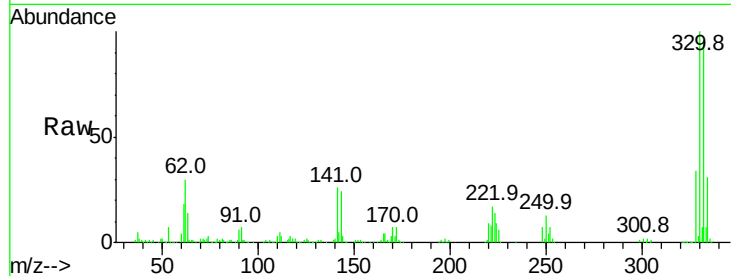




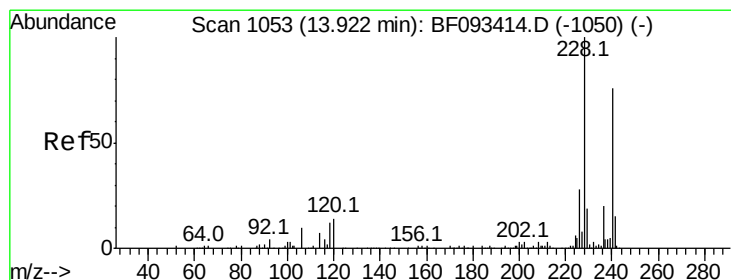
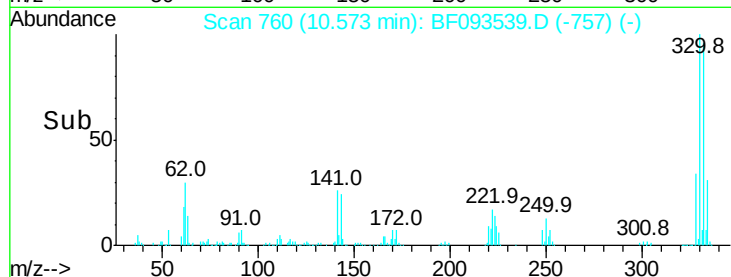
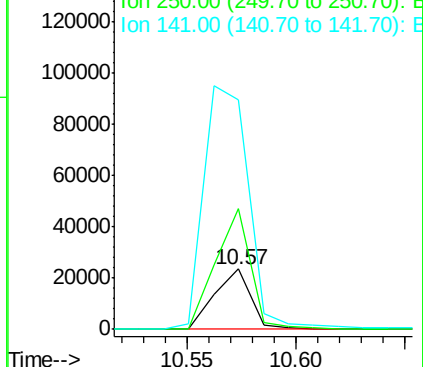
#66
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 10.57 min Scan# 760
Delta R.T. -0.26 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Instrument :
BNA_F
ClientSampleId :
W-22

Tot Ion:248 Resp: 26880
Ion Ratio Lower Upper
248 100
250 199.4 76.9 115.3#
141 378.4 68.2 102.4#

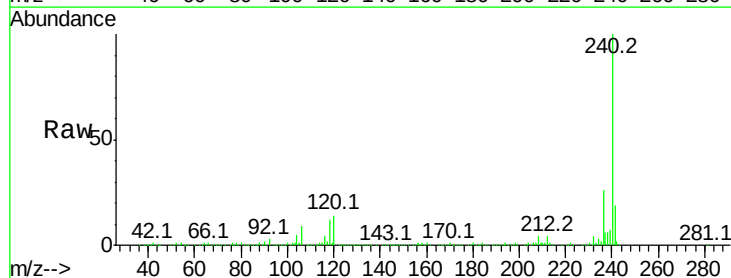


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

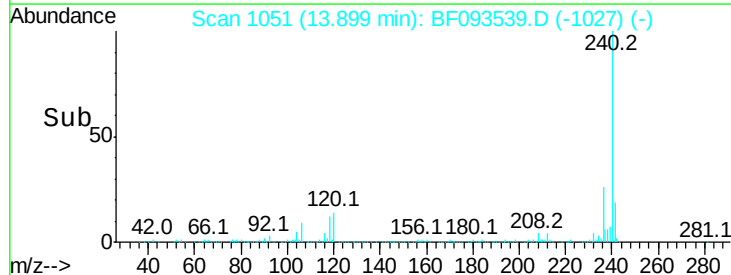
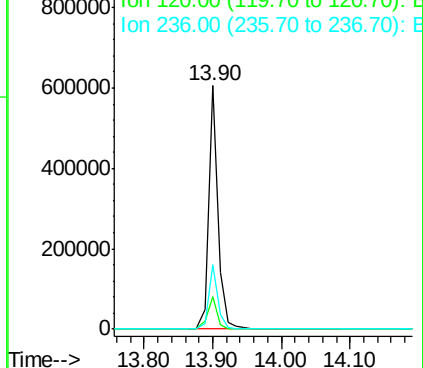


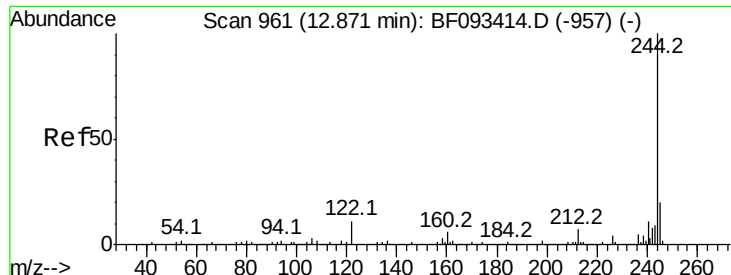
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF093539.D
Acq: 10 Mar 2017 23:10

Tgt Ion:240 Resp: 572272
Ion Ratio Lower Upper
240 100
120 13.5 12.9 19.3
236 26.2 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: 76.29 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

Instrument :

BNA_F

ClientSampleId :

W-22

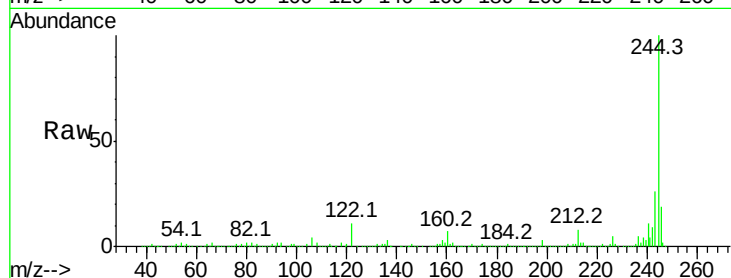
Tot Ion:244 Resp: 1679186

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 10.7 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

12.85

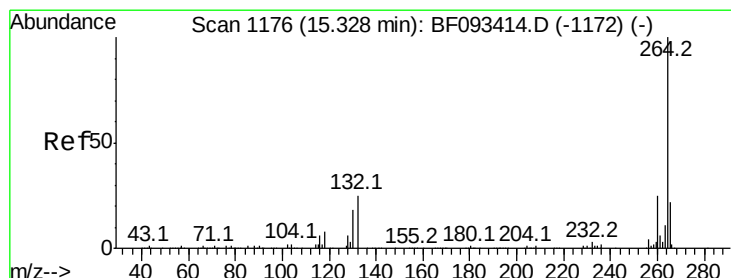
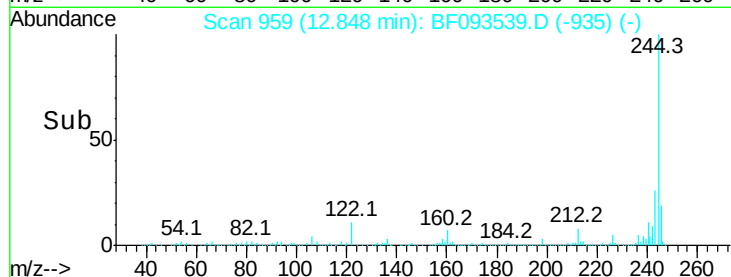
1500000

1000000

500000

0

Time--> 12.70 12.80 12.90 13.00



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF093539.D

Acq: 10 Mar 2017 23:10

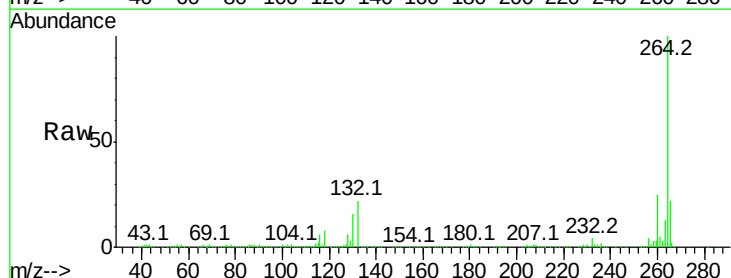
Tgt Ion:264 Resp: 405842

Ion Ratio Lower Upper

264 100

260 24.8 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

15.31

400000

300000

200000

100000

0

Time--> 15.20 15.30 15.40 15.50

