

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093540.D
 Acq On : 10 Mar 2017 23:37
 Operator : SJ/MA
 Sample : I2198-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-23

Quant Time: Mar 11 02:31:51 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

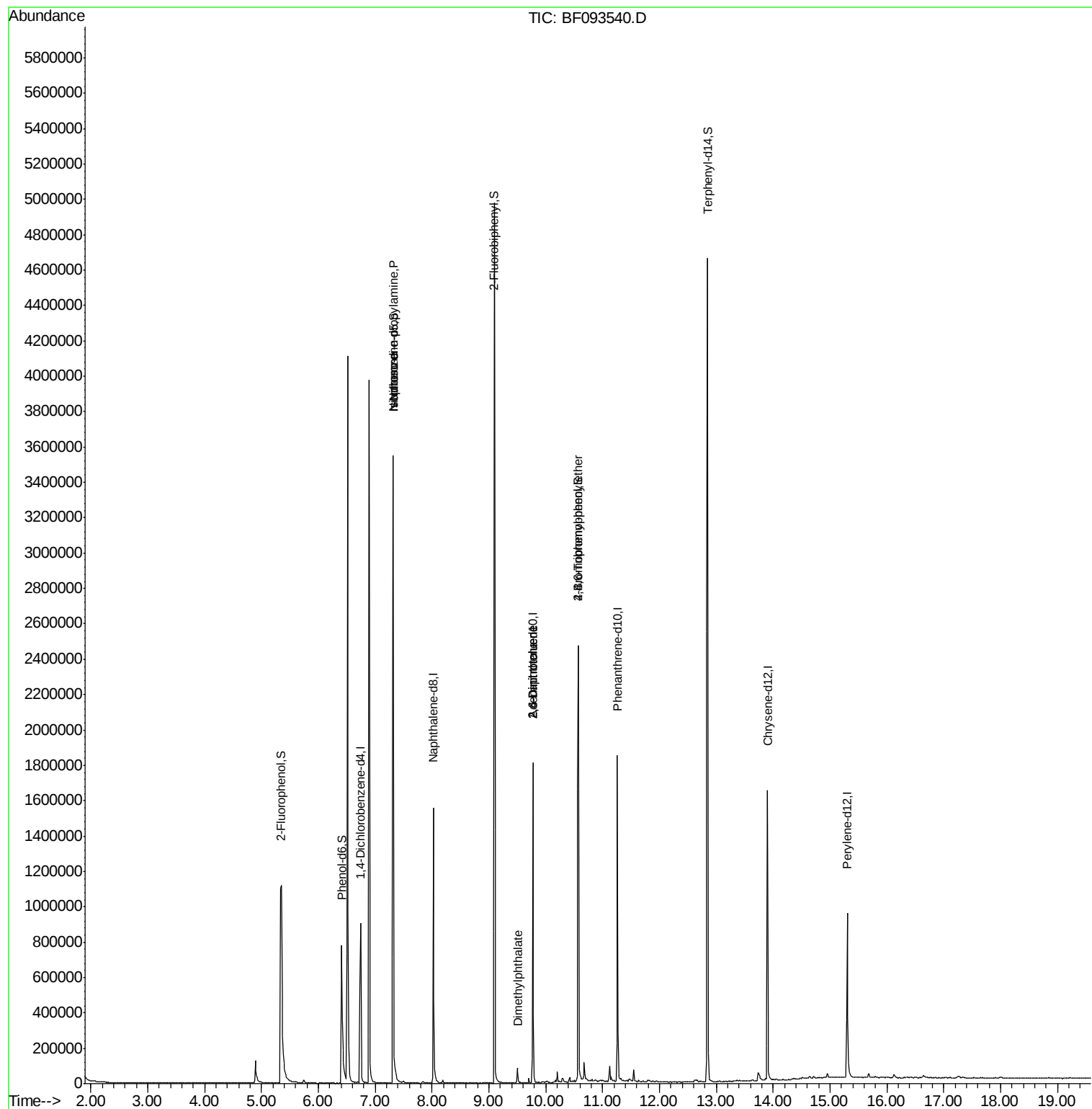
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	179356	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	740028	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	344643	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	644806	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	563758	20.00	ng	-0.02
86) Perylene-d12	15.31	264	406079	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	674762	62.61	ng	0.00
7) Phenol-d6	6.41	99	534192	39.31	ng	0.00
23) Nitrobenzene-d5	7.32	82	1187389	89.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	346790	154.44	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1721327	92.90	ng	-0.03
78) Terphenyl-d14	12.85	244	1637208	75.50	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.41	77	1103	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	159588	17.08	ng	# 82
25) Isophorone	7.32	82	1187374	44.15	ng	# 65
49) Dimethylphthalate	9.51	163	49609	2.17	ng	# 98
50) 2,6-Dinitrotoluene	9.77	165	44022	8.78	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	44024	7.15	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	26909	3.95	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: BF093540.D

Acq: 10 Mar 2017 23:37

Instrument :

BNA_F

ClientSampled :

W-23

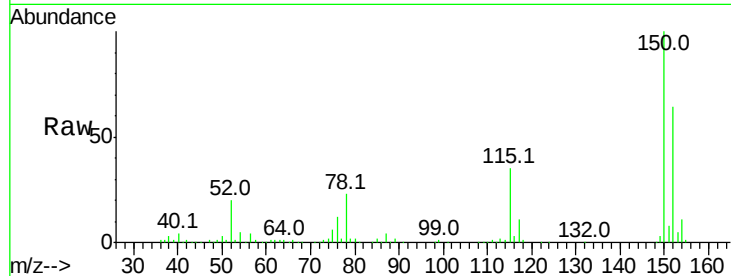
Tot Ion:152 Resp: 179356

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

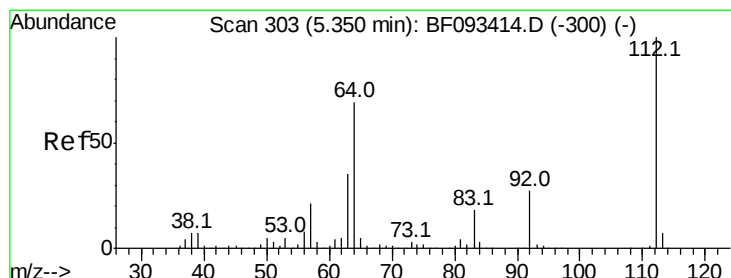
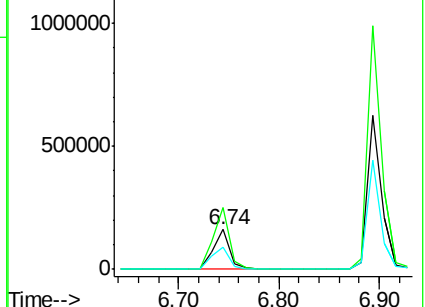
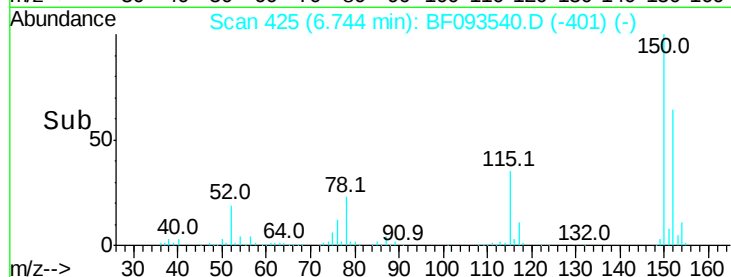
115 54.8 46.0 69.0



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: 62.61 ng

RT: 5.35 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

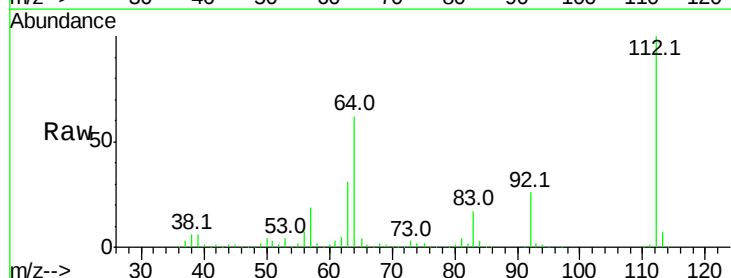
Tgt Ion:112 Resp: 674762

Ion Ratio Lower Upper

112 100

64 61.8 46.1 69.1

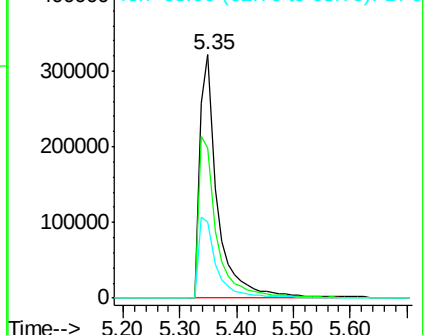
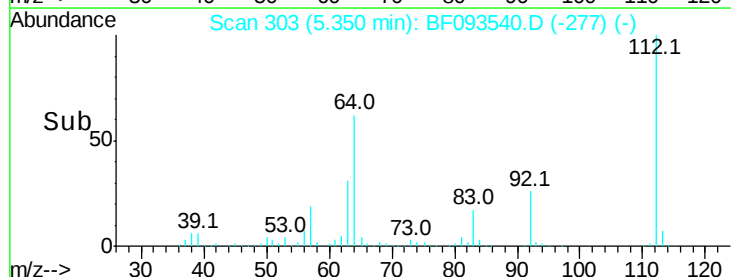
63 31.2 23.8 35.6

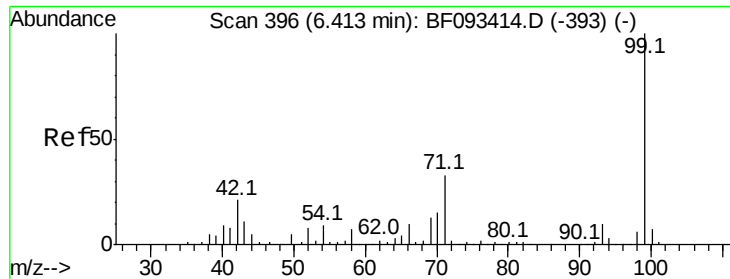


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.31 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

Instrument :

BNA_F

ClientSampleId :

W-23

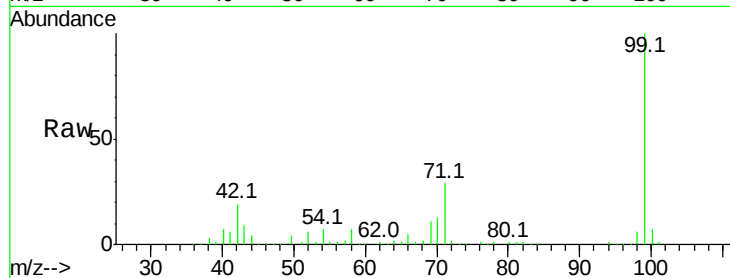
Tot Ion: 99 Resp: 534192

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

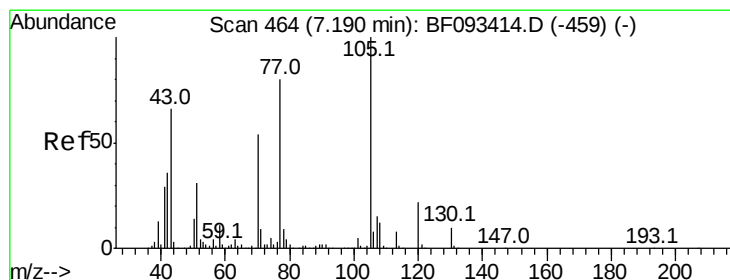
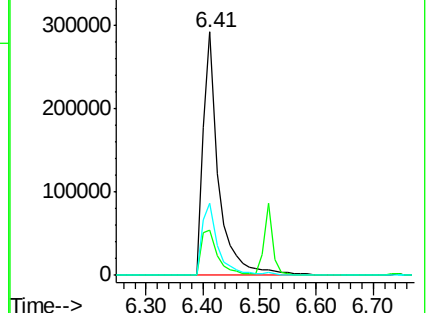
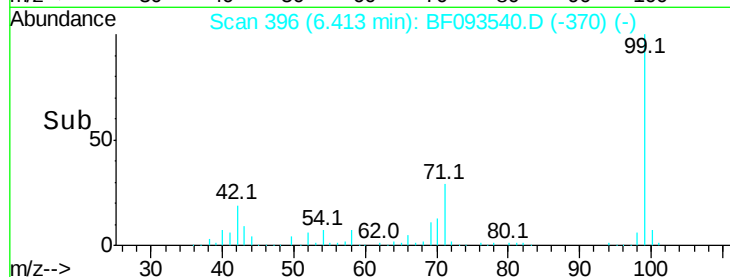
71 29.5 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.08 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

Tgt Ion: 70 Resp: 159588

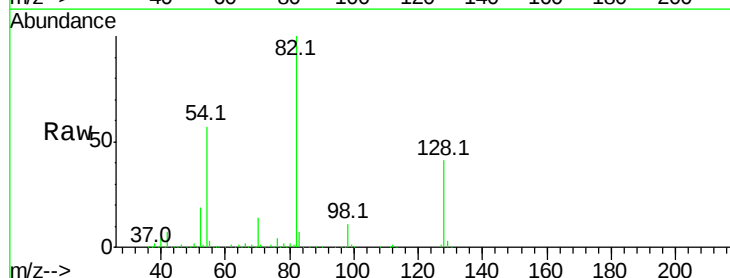
Ion Ratio Lower Upper

70 100

42 52.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

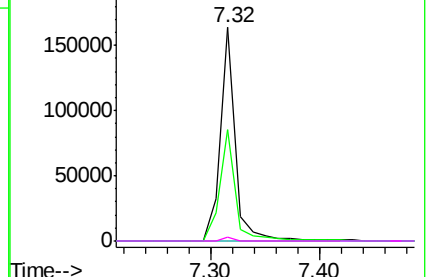
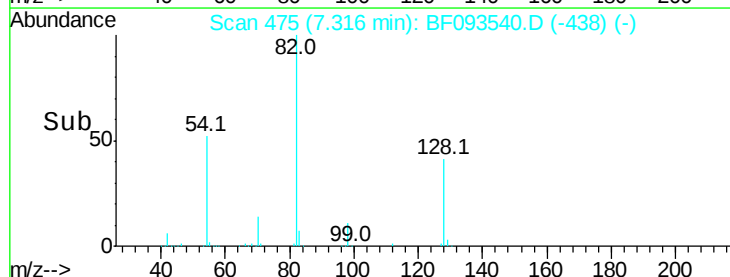


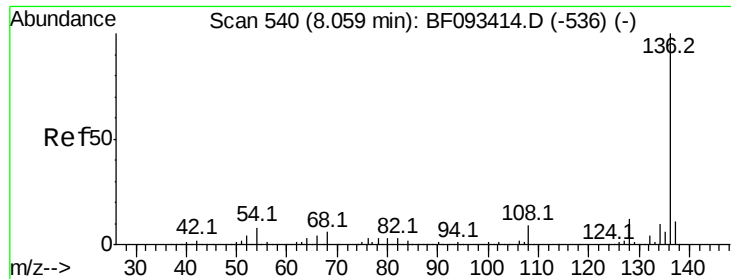
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

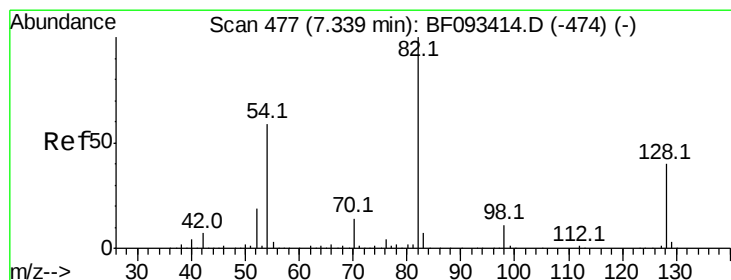
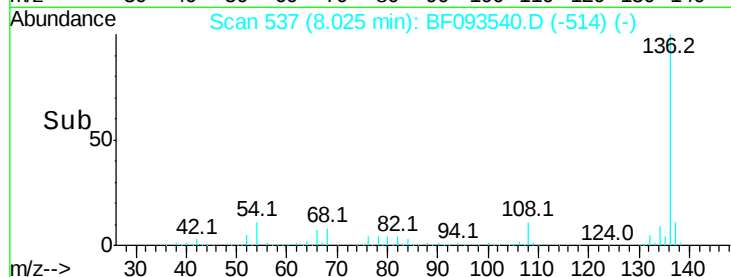
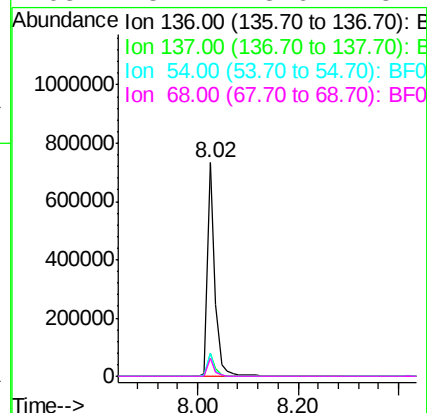
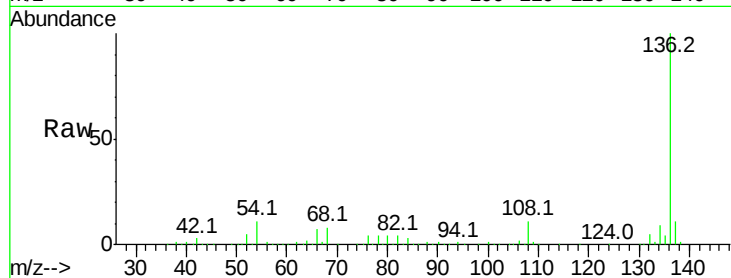




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093540.D
Acq: 10 Mar 2017 23:37

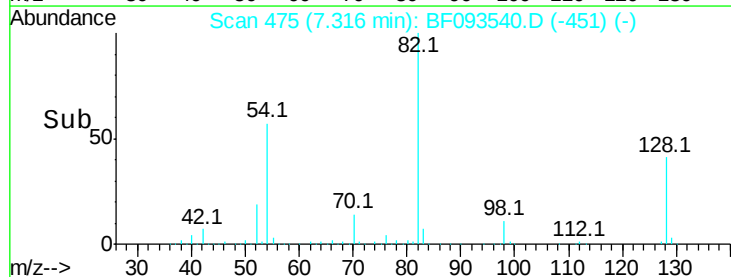
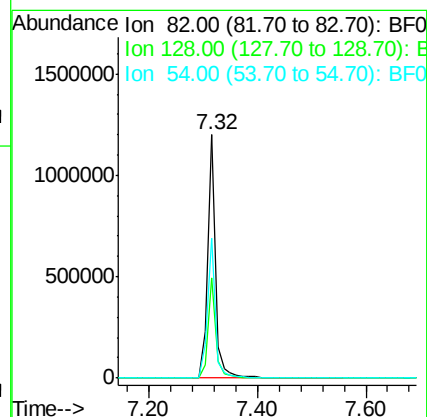
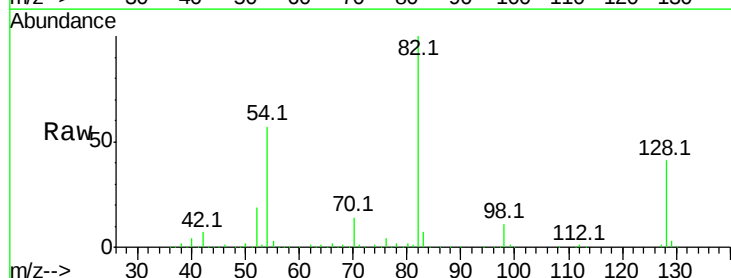
Instrument :
BNA_F
ClientSampleId :
W-23

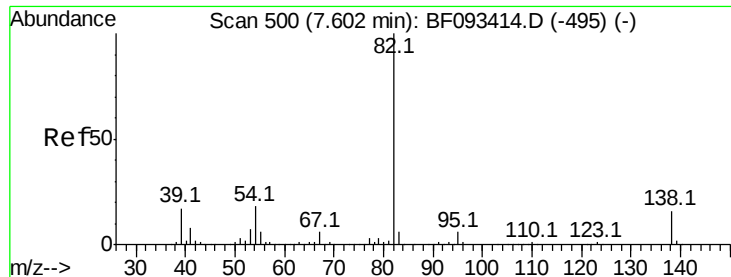
Tot Ion:	136	Resp:	740028
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	11.1	4.5	6.7#
68	8.2	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 89.03 ng
RT: 7.32 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF093540.D
Acq: 10 Mar 2017 23:37

Tgt Ion:	82	Resp:	1187389
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.6	52.0
54	57.5	39.5	59.3





#25

Isophorone

Concen: 44.15 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

Instrument :

BNA_F

ClientSampleId :

W-23

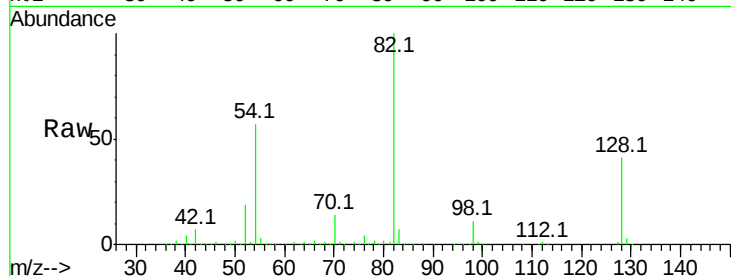
Tot Ion: 82 Resp: 1187374

Ion Ratio Lower Upper

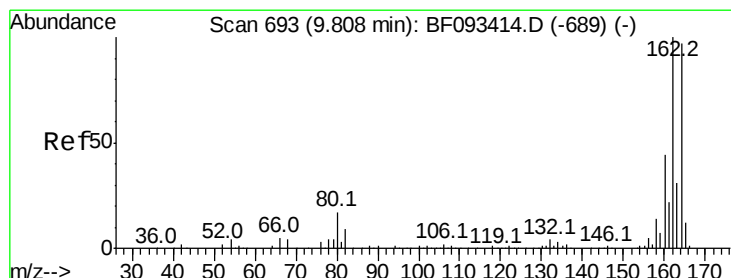
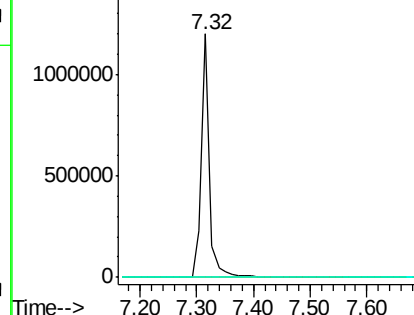
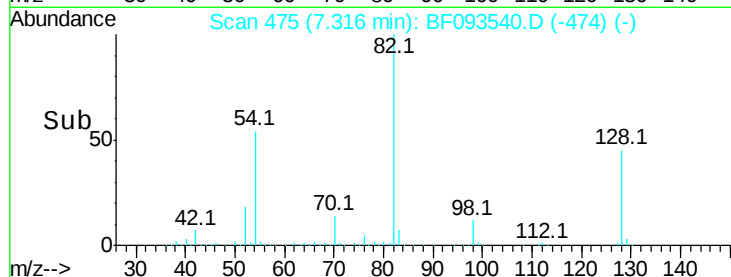
82 100

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

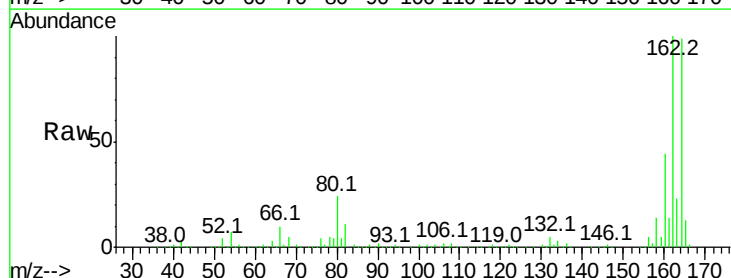
Tgt Ion:164 Resp: 344643

Ion Ratio Lower Upper

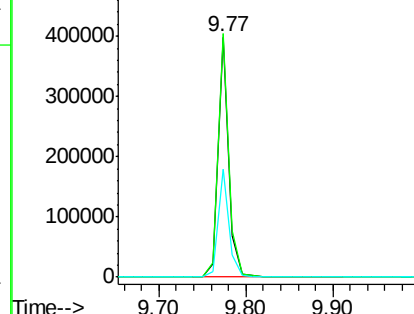
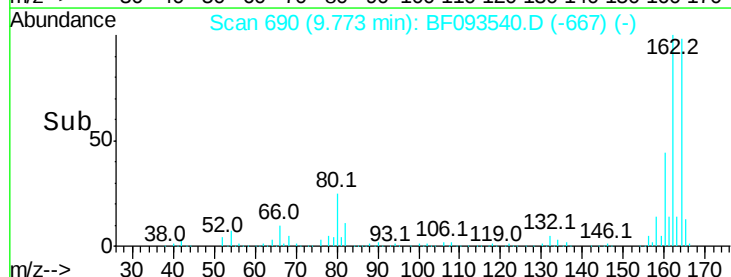
164 100

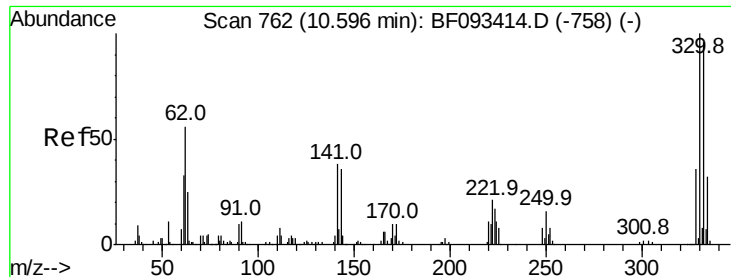
162 101.5 80.2 120.2

160 44.7 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

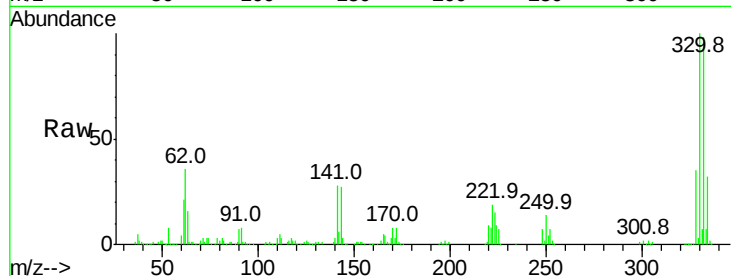




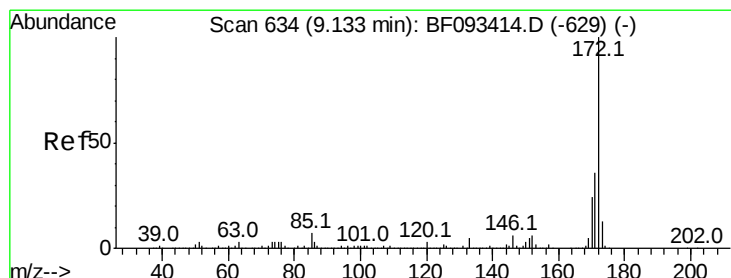
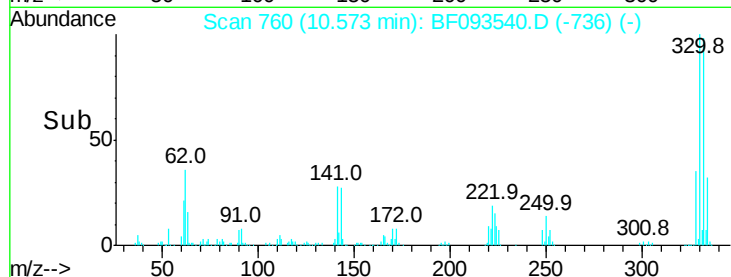
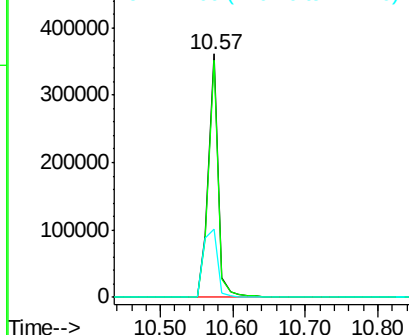
#41
 2,4,6-Tribromophenol
 Concen: 154.44 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093540.D
 Acq: 10 Mar 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :
 W-23

Tot Ion:330 Resp: 346790
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 40.5 34.1 51.1

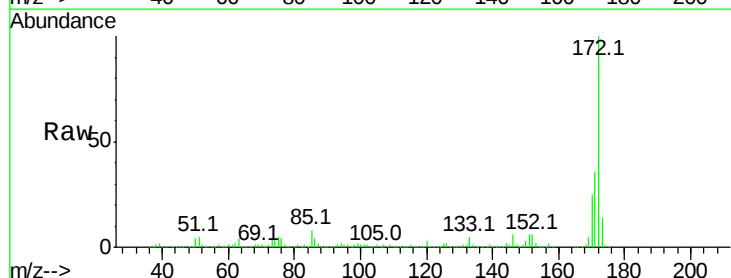


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

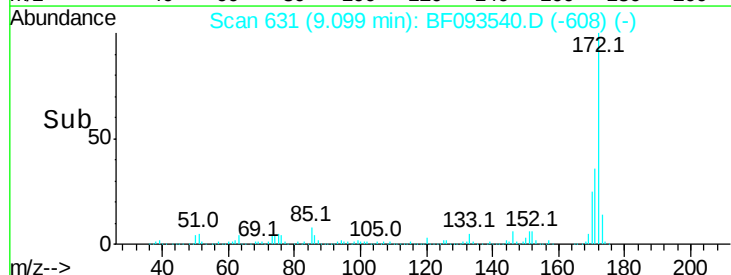
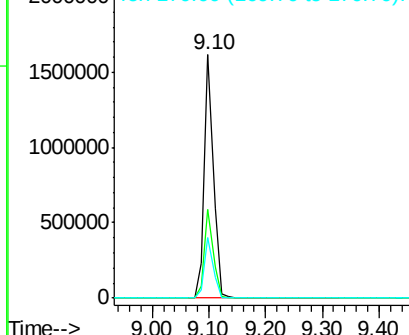


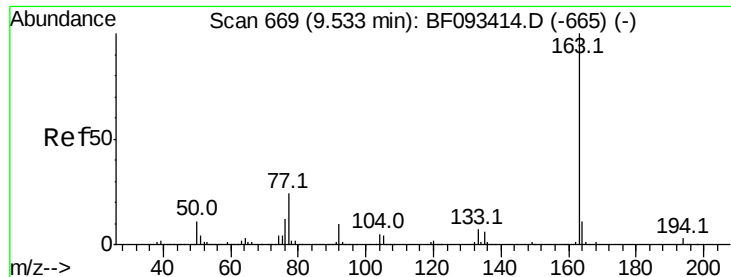
#44
 2-Fluorobiphenyl
 Concen: 92.90 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093540.D
 Acq: 10 Mar 2017 23:37

Tgt Ion:172 Resp: 1721327
 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





#49

Dimethylphthalate

Concen: 2.17 ng

RT: 9.51 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

Instrument :

BNA_F

ClientSampleId :

W-23

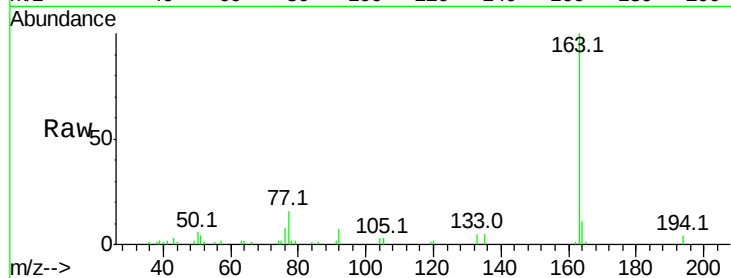
Tot Ion:163 Resp: 49609

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

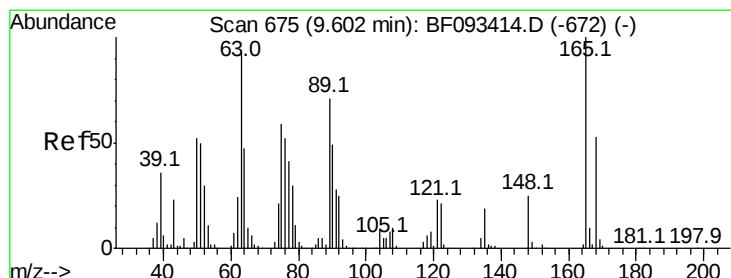
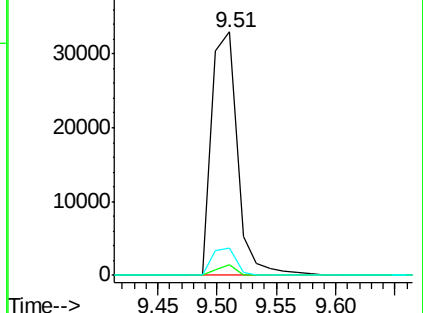
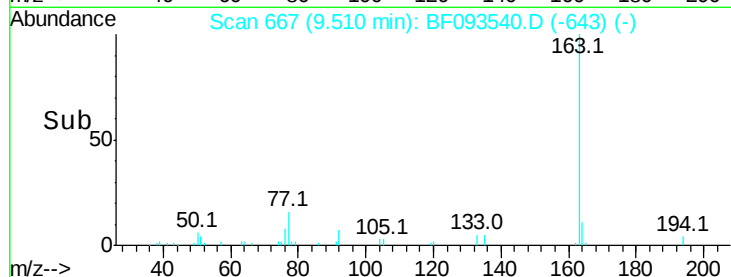
164 11.0 8.0 12.0



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: 8.78 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

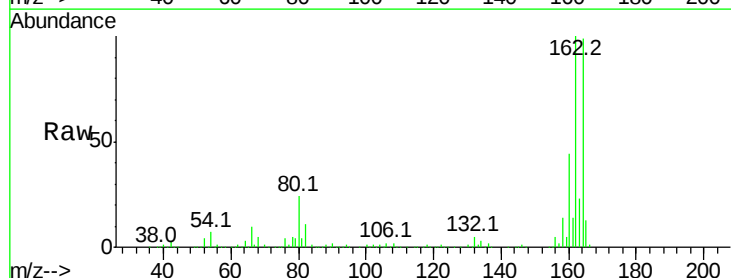
Tgt Ion:165 Resp: 44022

Ion Ratio Lower Upper

165 100

63 1.5 36.2 54.4#

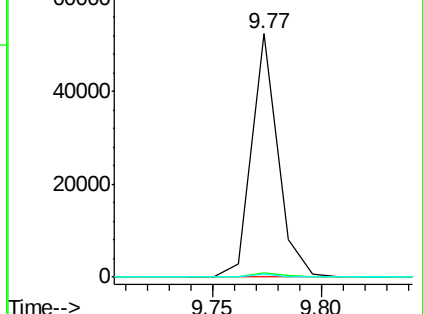
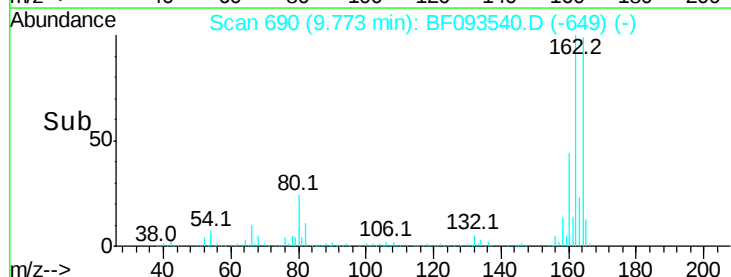
89 1.4 40.2 60.4#

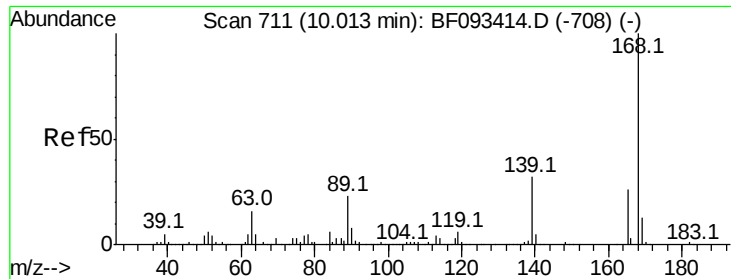


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

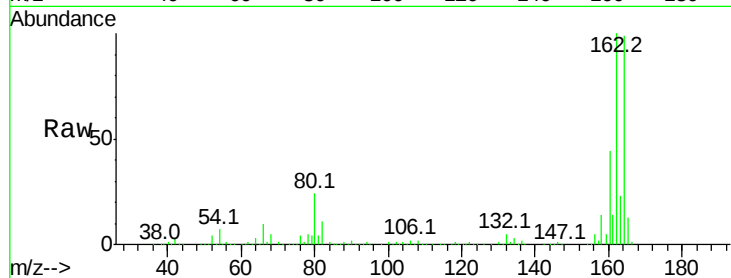




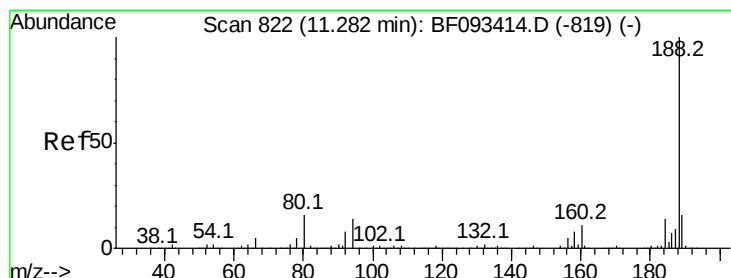
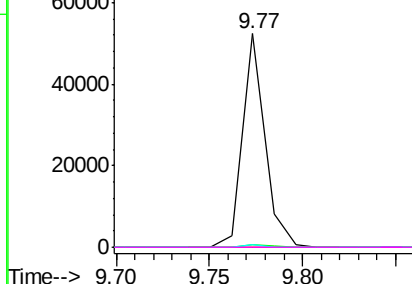
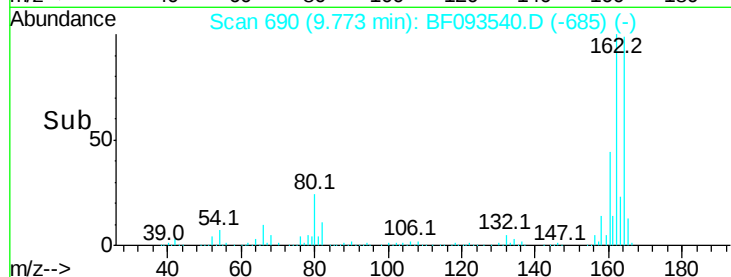
#56
 2,4-Dinitrotoluene
 Concen: 7.15 ng
 RT: 9.77 min Scan# 690
 Delta R.T. -0.24 min
 Lab File: BF093540.D
 Acq: 10 Mar 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :
 W-23

Tot Ion:165 Resp: 44024
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#

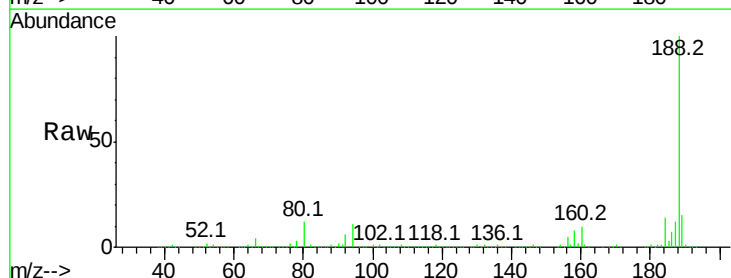


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

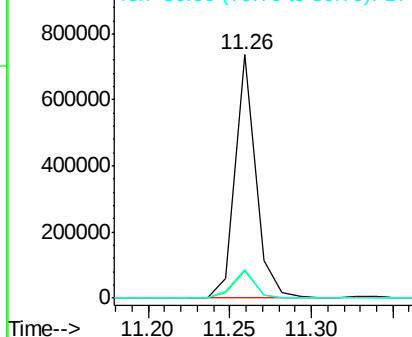
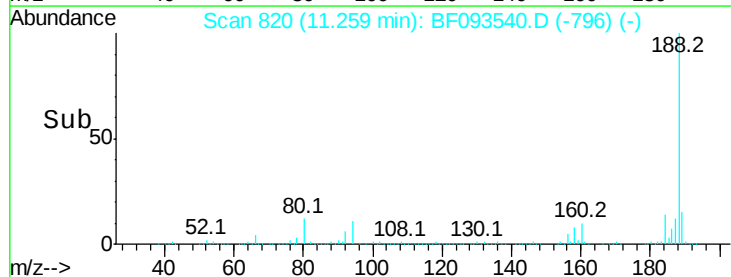


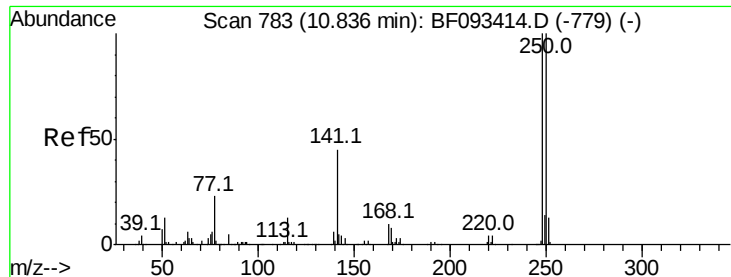
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF093540.D
 Acq: 10 Mar 2017 23:37

Tgt Ion:188 Resp: 644806
 Ion Ratio Lower Upper
 188 100
 94 11.4 10.0 15.0
 80 11.8 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

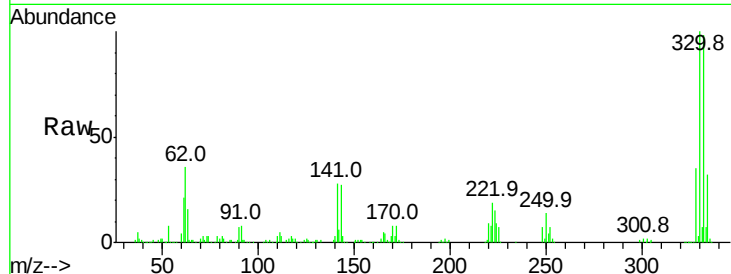




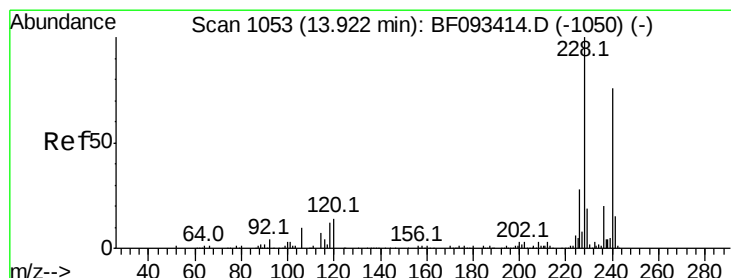
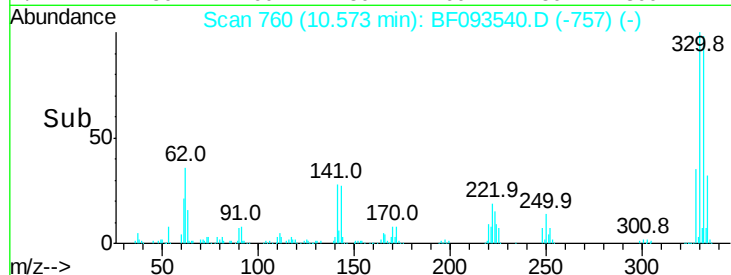
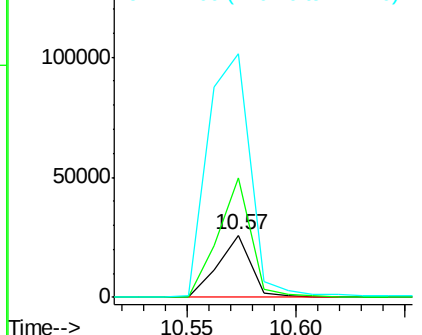
#66
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.57 min Scan# 760
Delta R.T. -0.26 min
Lab File: BF093540.D
Acq: 10 Mar 2017 23:37

Instrument :
BNA_F
ClientSampled :
W-23

Tot Ion:248 Resp: 26909
Ion Ratio Lower Upper
248 100
250 192.8 76.9 115.3#
141 392.5 68.2 102.4#

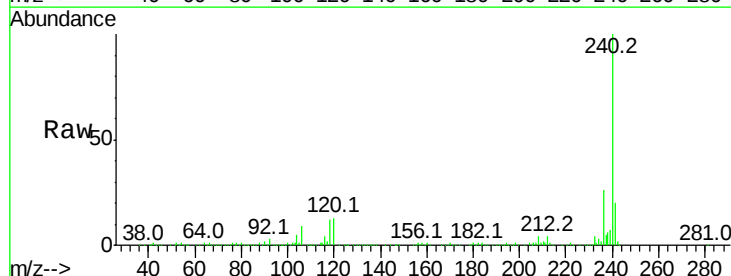


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

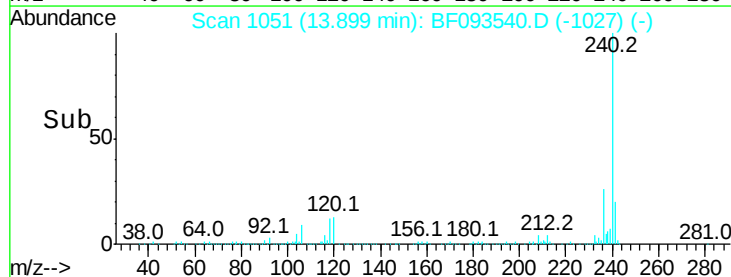
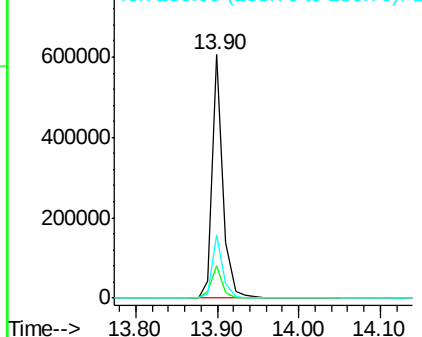


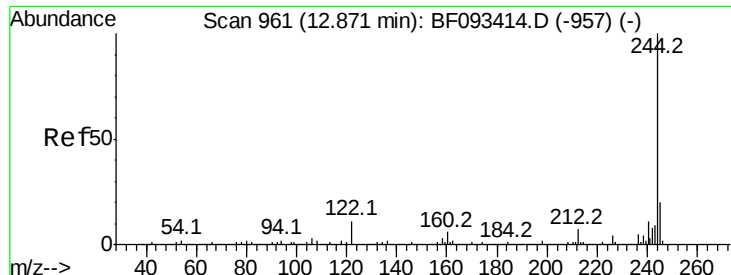
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF093540.D
Acq: 10 Mar 2017 23:37

Tgt Ion:240 Resp: 563758
Ion Ratio Lower Upper
240 100
120 13.2 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: 75.50 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

Instrument :

BNA_F

ClientSampleId :

W-23

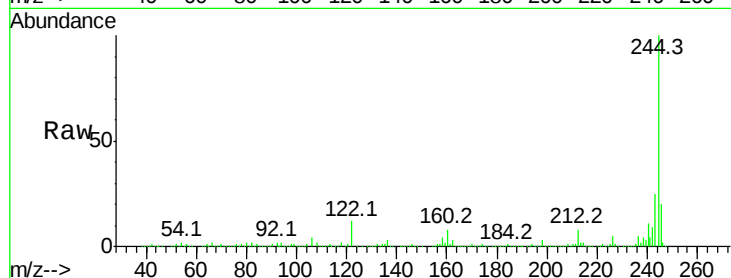
Tot Ion:244 Resp: 1637208

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

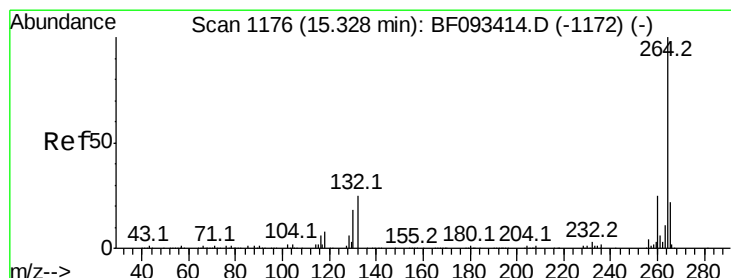
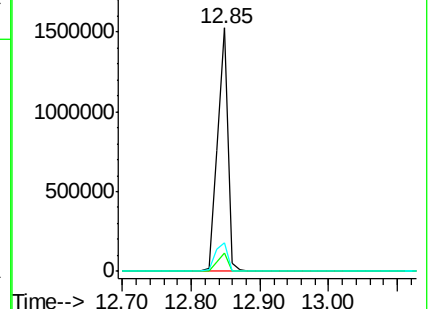
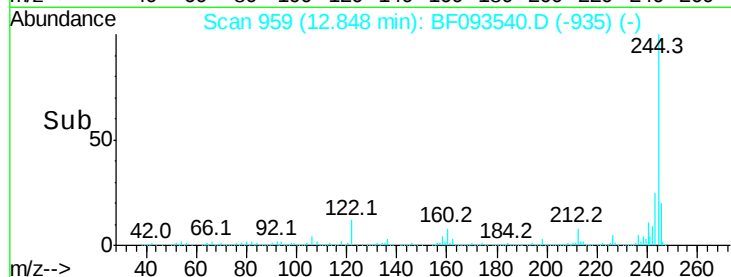
122 11.6 11.4 17.2



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: 15.31 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF093540.D

Acq: 10 Mar 2017 23:37

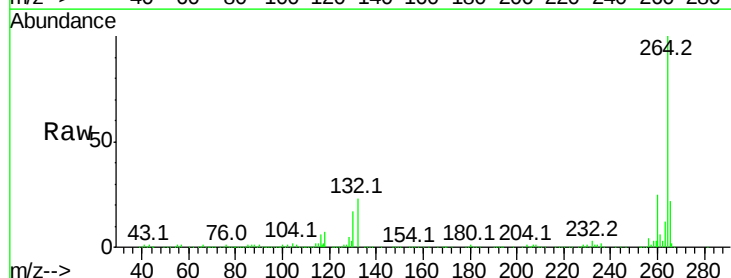
Tgt Ion:264 Resp: 406079

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.4 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

