

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093060.D
 Acq On : 21 Feb 2017 7:39
 Operator : SJ/MA
 Sample : I1884-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:15:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

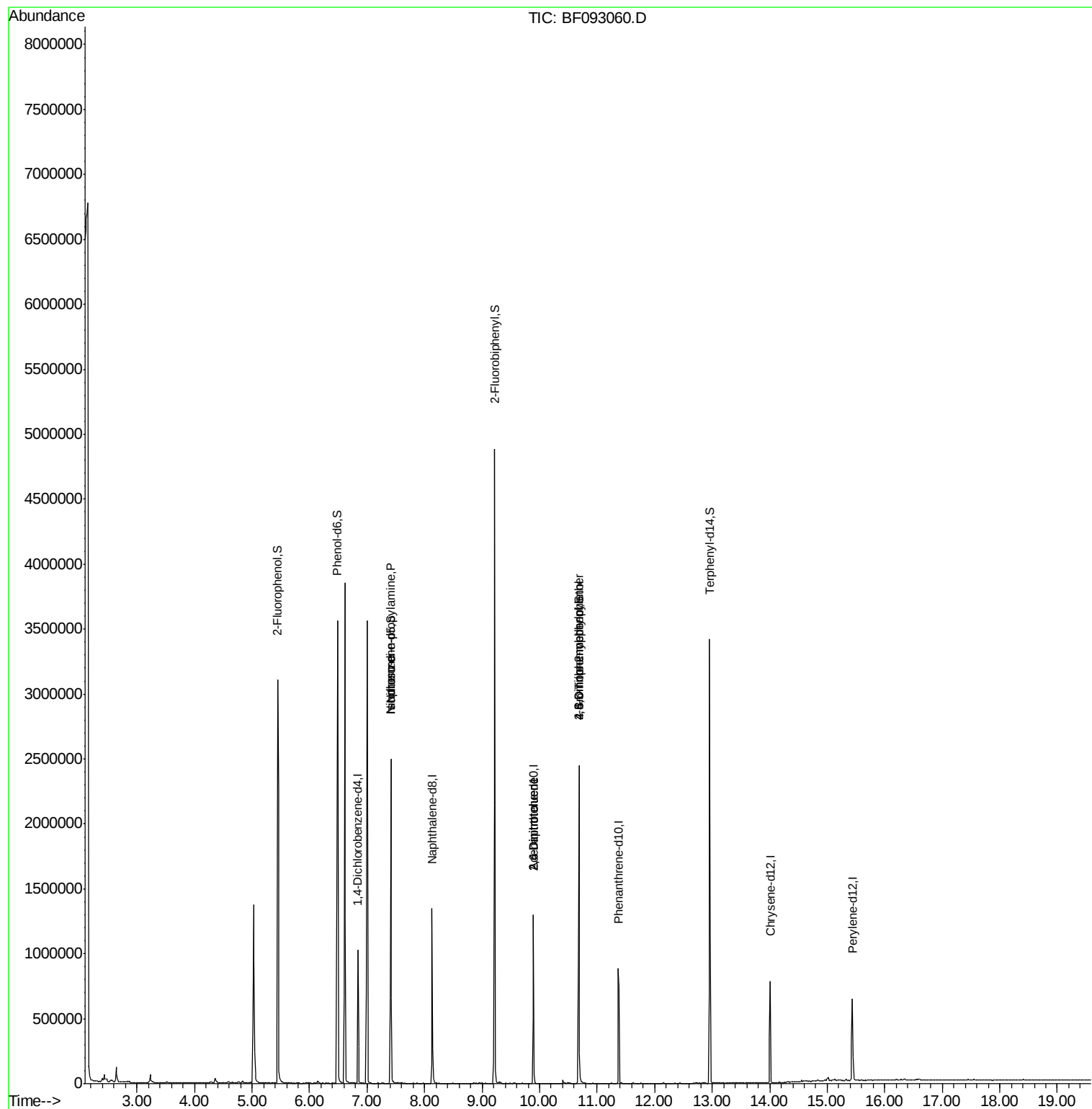
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	153692	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	599803	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	279156	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	465753	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	306069	20.00	ng	-0.01
86) Perylene-d12	15.44	264	287298	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1169650	130.56	ng	0.00
7) Phenol-d6	6.49	99	1309441	113.60	ng	0.00
23) Nitrobenzene-d5	7.41	82	902996	83.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	283766	140.55	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1710669	111.02	ng	0.00
78) Terphenyl-d14	12.96	244	1185571	91.02	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	118626	16.17	ng	# 83
25) Isophorone	7.41	82	751319	37.43	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	35728	8.80	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	35728	6.61	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	475	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	22424	4.61	ng	# 1

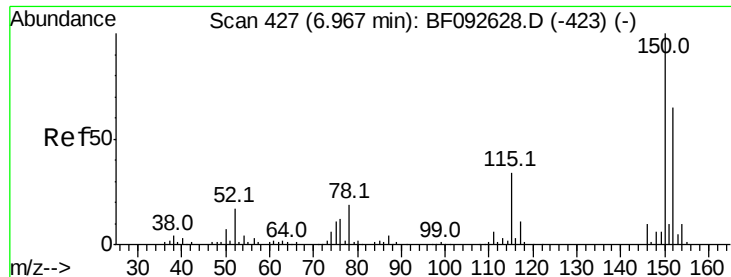
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

Instrument :

BNA_F

ClientSampleId :

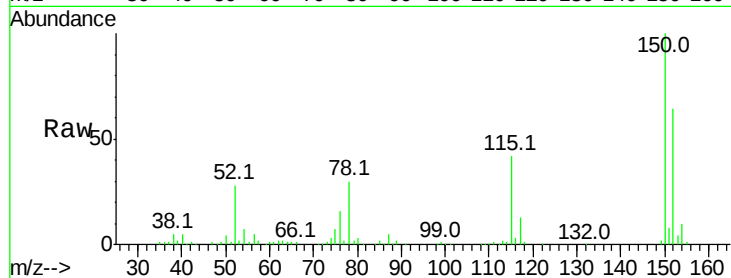
Tot Ion:152 Resp: 153692

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

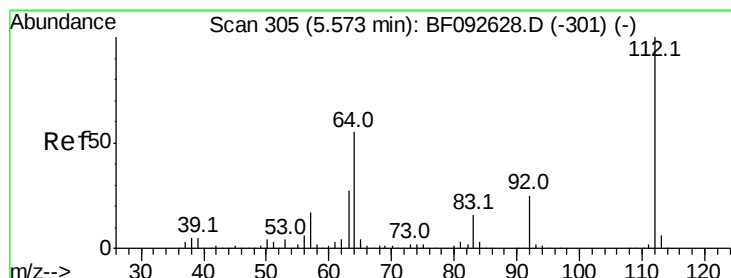
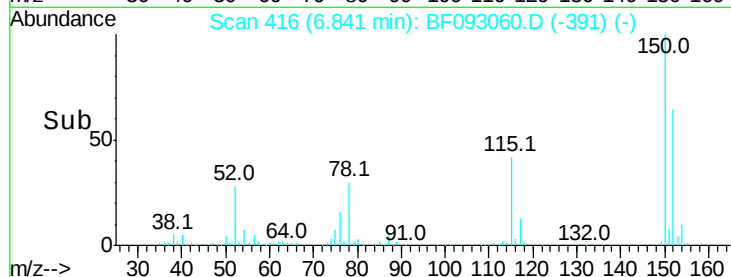
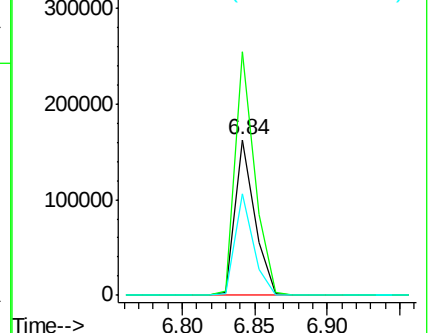
115 65.5 46.0 69.0



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: 130.56 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

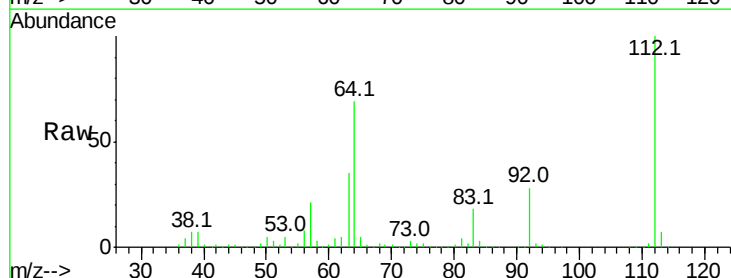
Tgt Ion:112 Resp: 1169650

Ion Ratio Lower Upper

112 100

64 69.0 46.1 69.1

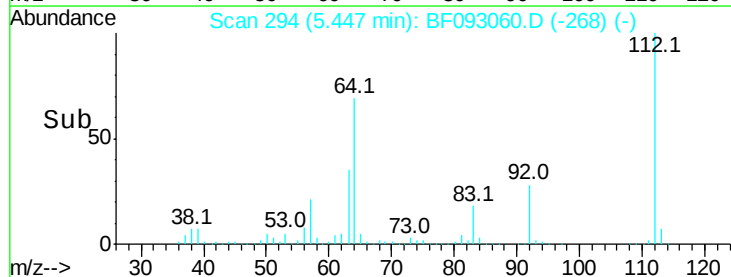
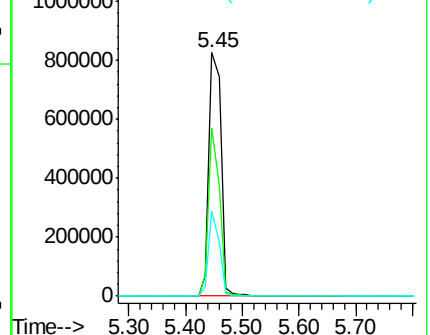
63 34.8 23.8 35.6

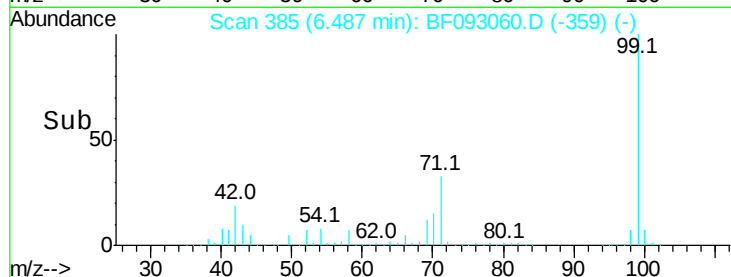
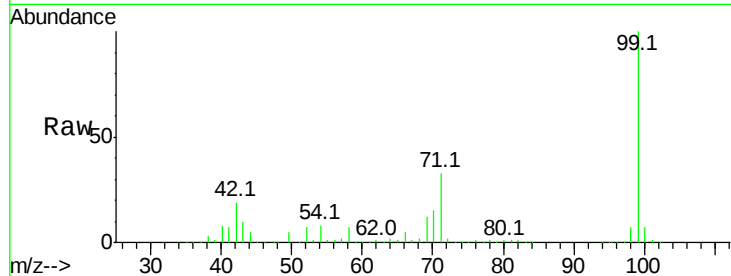
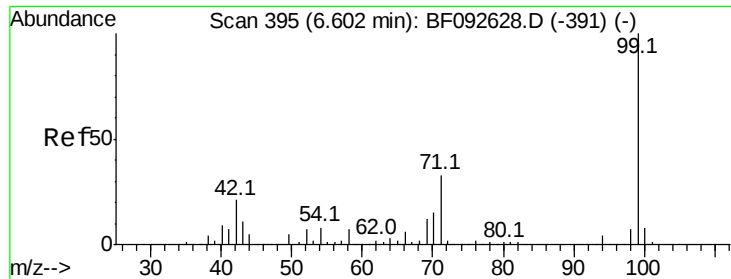


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.60 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

Instrument :

BNA_F

ClientSampleId :

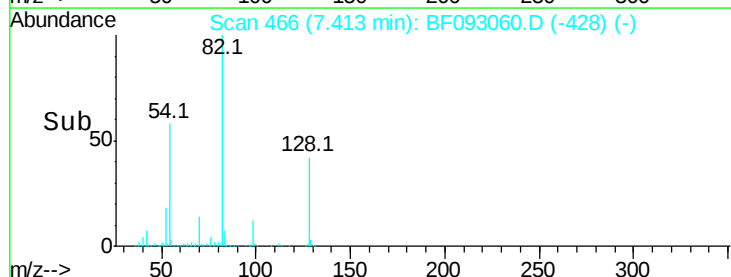
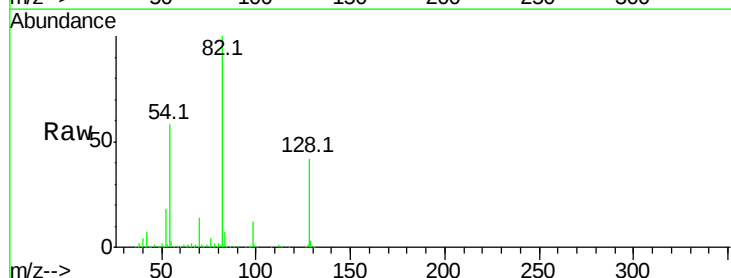
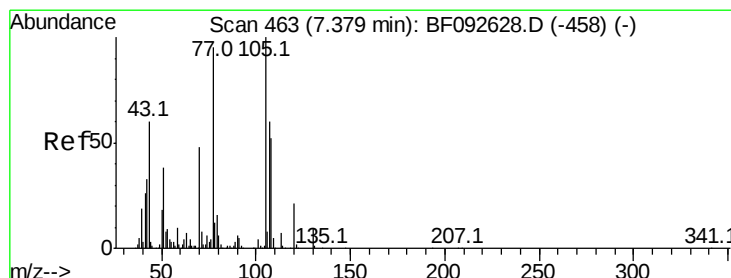
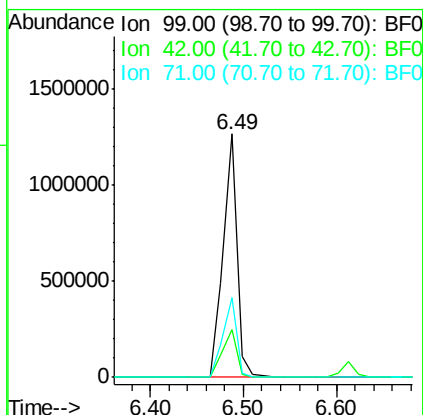
Tot Ion: 99 Resp: 1309441

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

71 32.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.17 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

Tgt Ion: 70 Resp: 118626

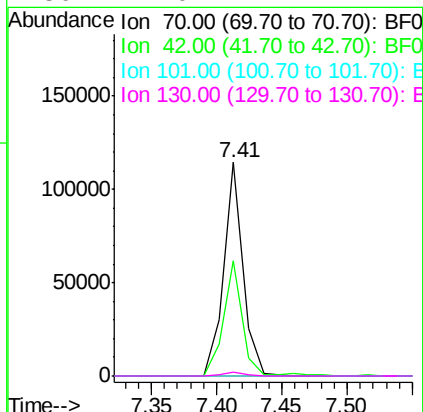
Ion Ratio Lower Upper

70 100

42 54.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

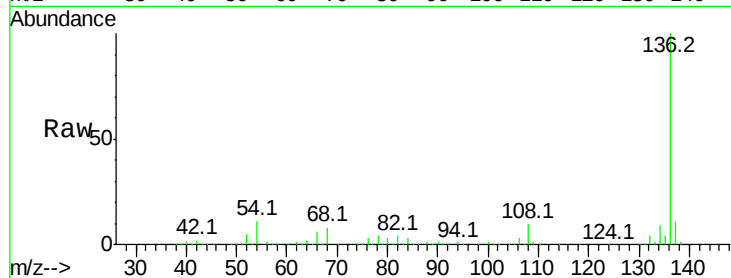




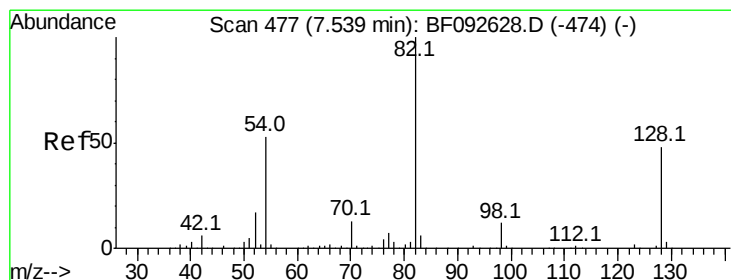
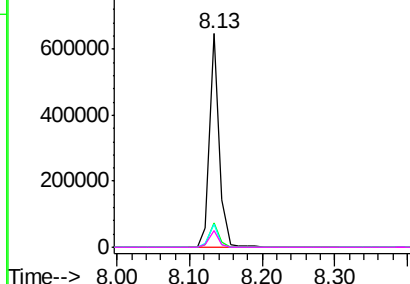
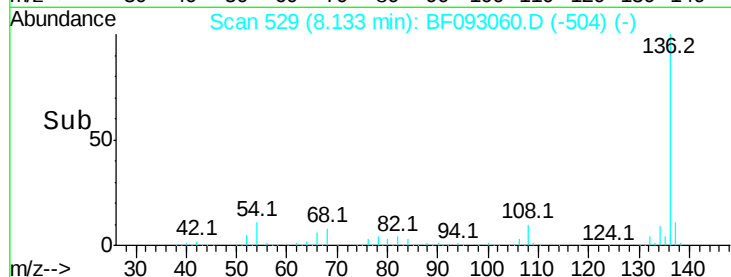
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093060.D
Acq: 21 Feb 2017 7:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	599803
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.4	12.6
54	10.8	4.5	6.7#
68	7.5	3.6	5.4#

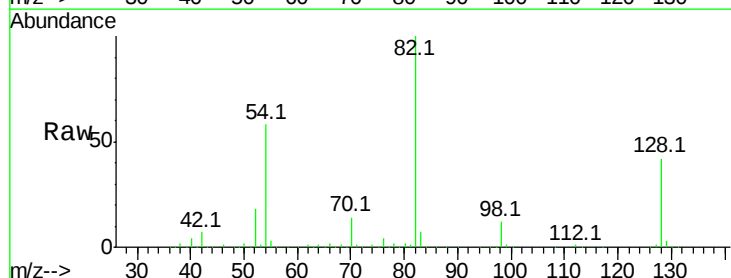


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

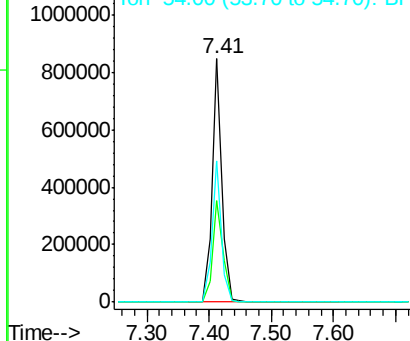
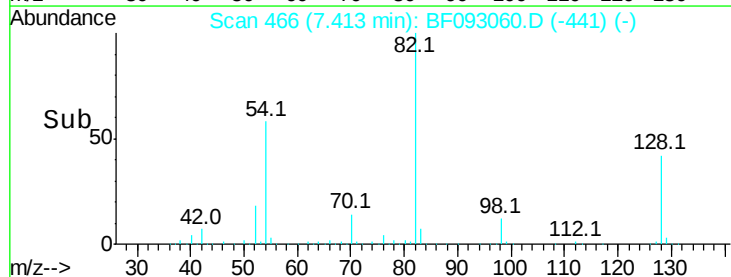


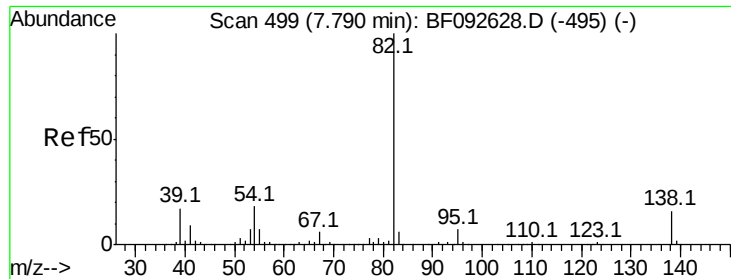
#23
Nitrobenzene-d5
Concen: 83.84 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093060.D
Acq: 21 Feb 2017 7:39

Tgt Ion:	82	Resp:	902996
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.6	52.0
54	58.1	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





#25

Isophorone

Concen: 37.43 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

Instrument :

BNA_F

ClientSampleId :

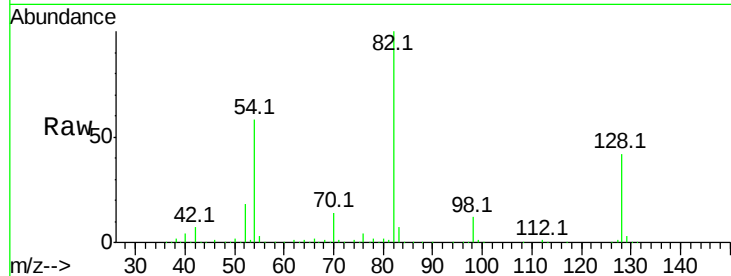
Tot Ion: 82 Resp: 751319

Ion Ratio Lower Upper

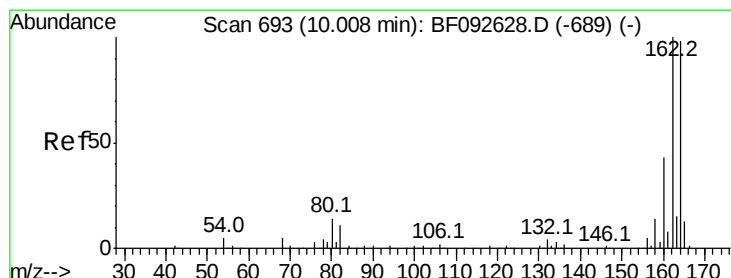
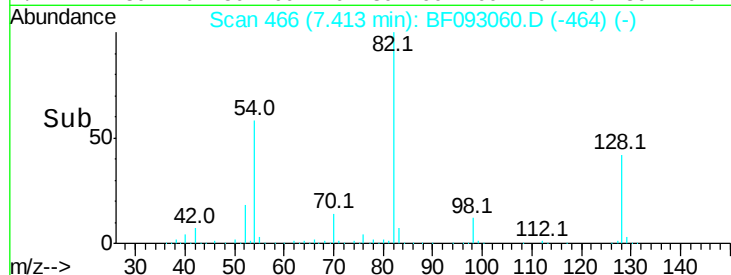
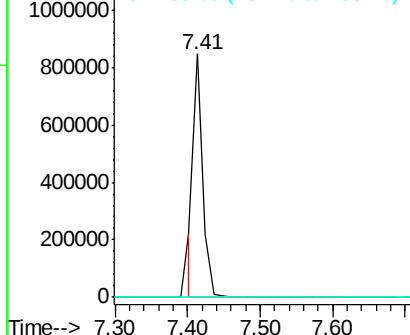
82 100

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: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

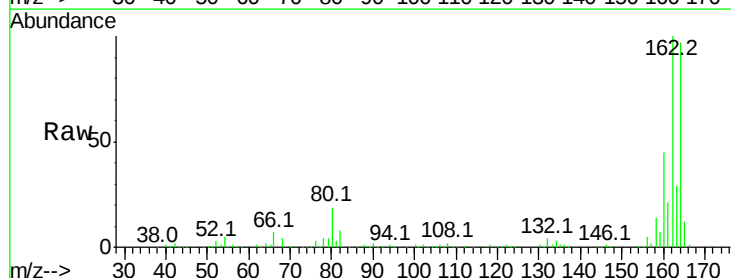
Tgt Ion: 164 Resp: 279156

Ion Ratio Lower Upper

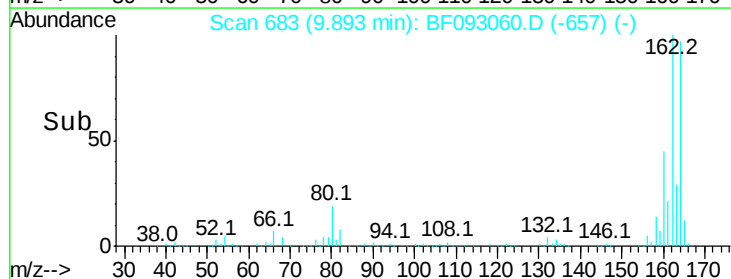
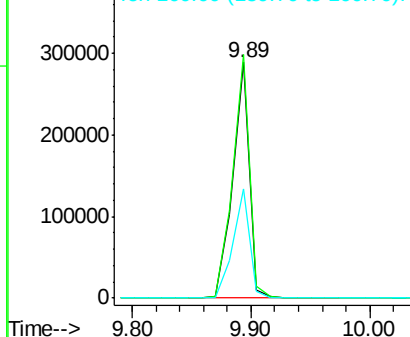
164 100

162 103.5 80.2 120.2

160 46.3 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

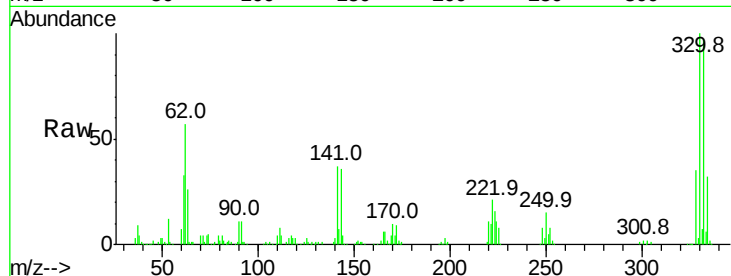




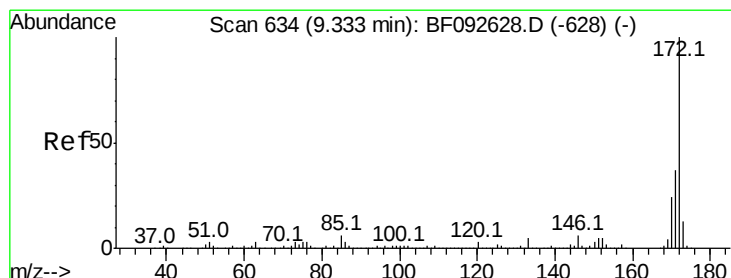
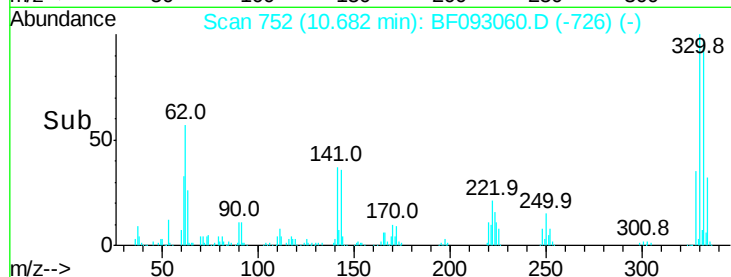
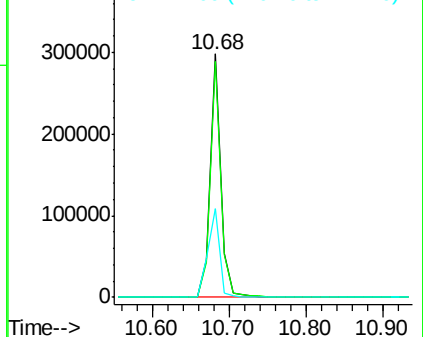
#41
 2,4,6-Tribromophenol
 Concen: 140.55 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	40.8	34.1	51.1

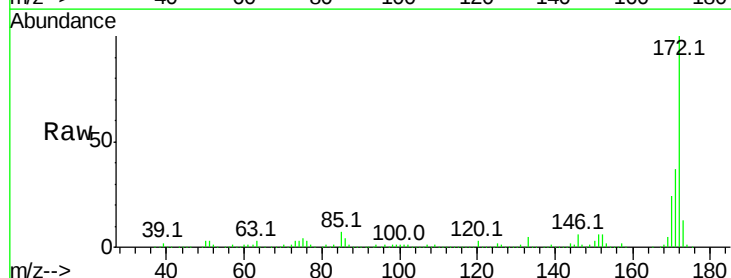


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

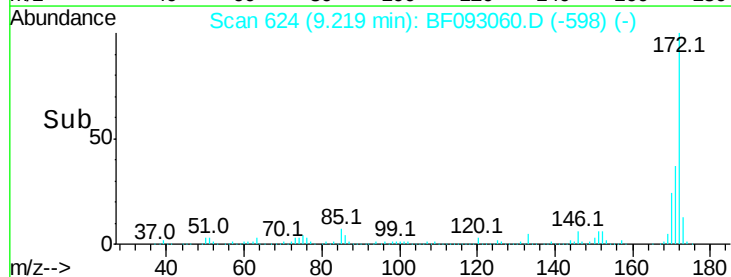
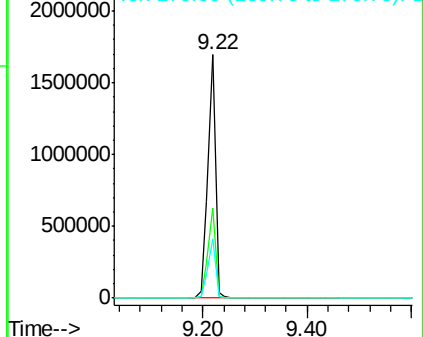


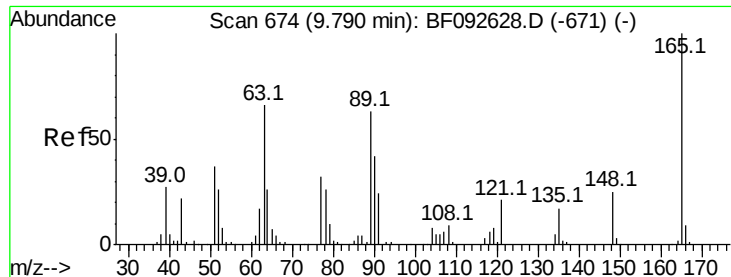
#44
 2-Fluorobiphenyl
 Concen: 111.02 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	24.3	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

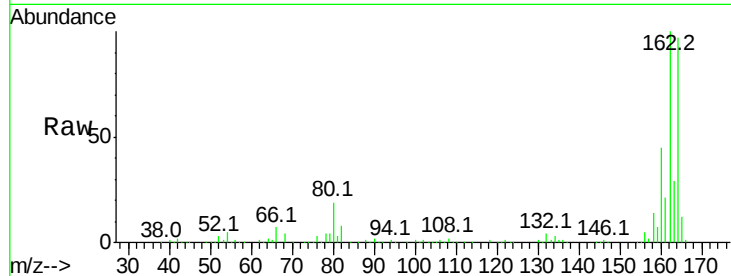




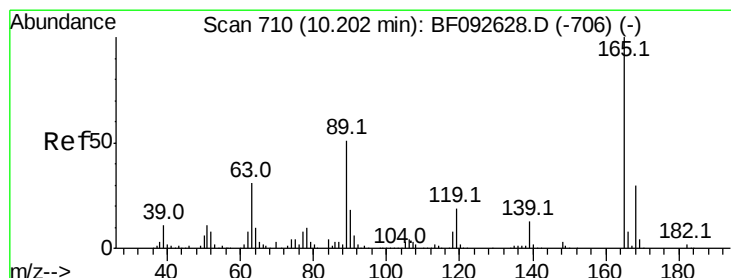
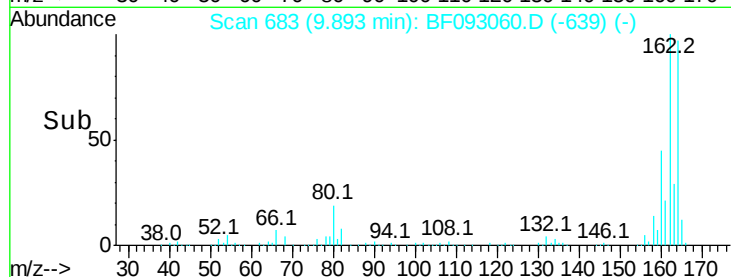
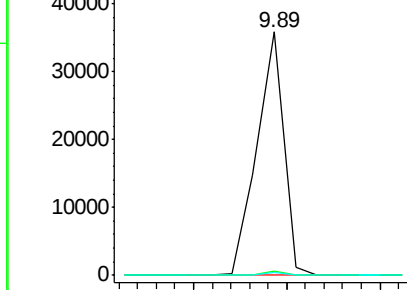
#50
 2,6-Dinitrotoluene
 Concen: 8.80 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.21 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.2	54.4#
89	1.5	40.2	60.4#

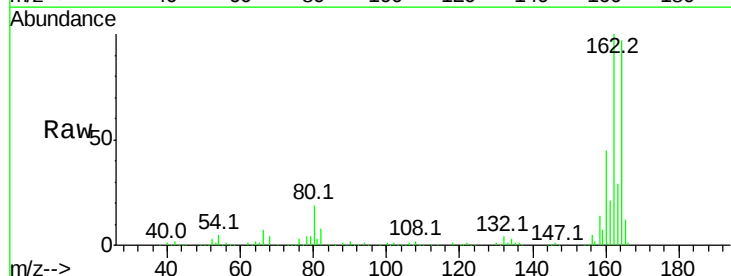


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

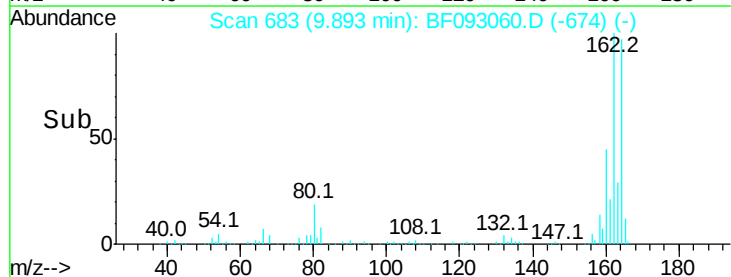
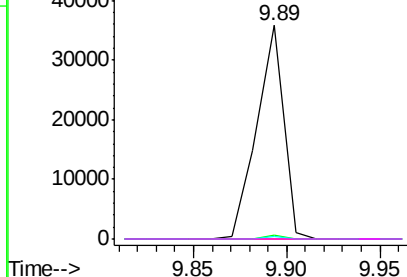


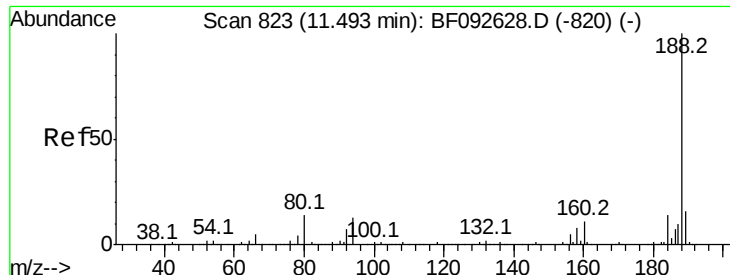
#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.5	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

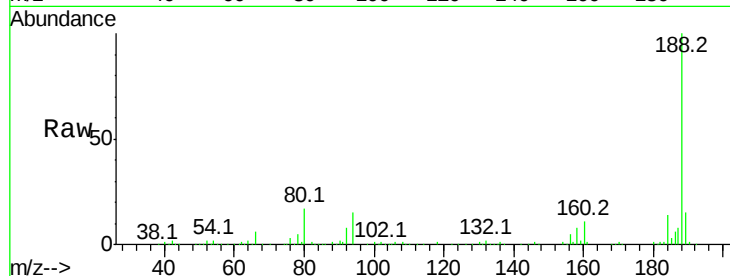




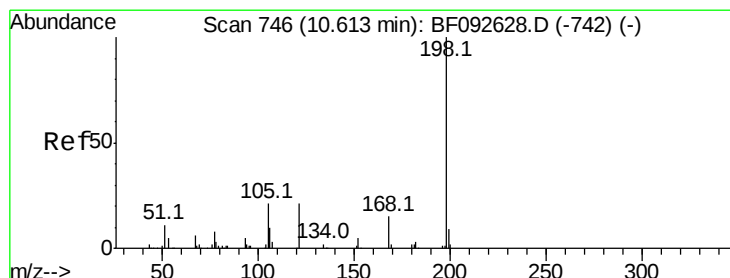
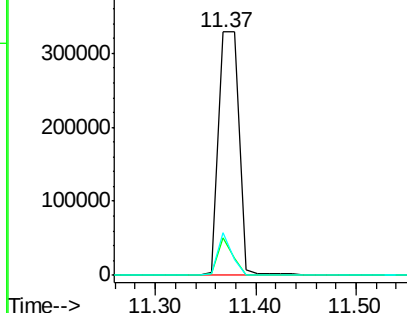
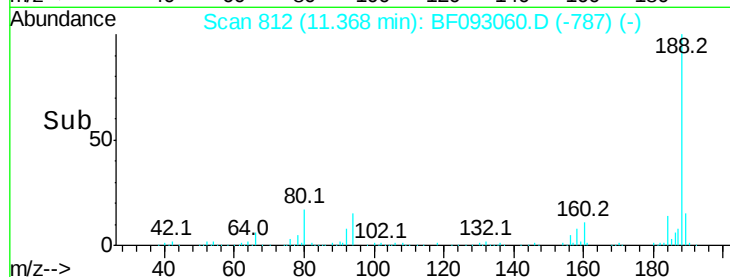
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093060.D
Acq: 21 Feb 2017 7:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 465753
Ion Ratio Lower Upper
188 100
94 15.2 10.0 15.0#
80 17.4 11.2 16.8#

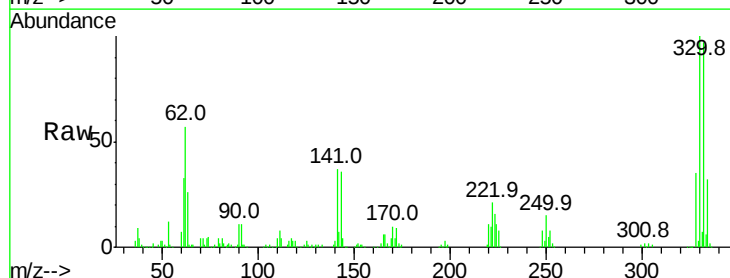


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

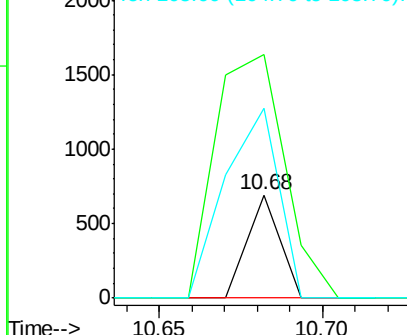
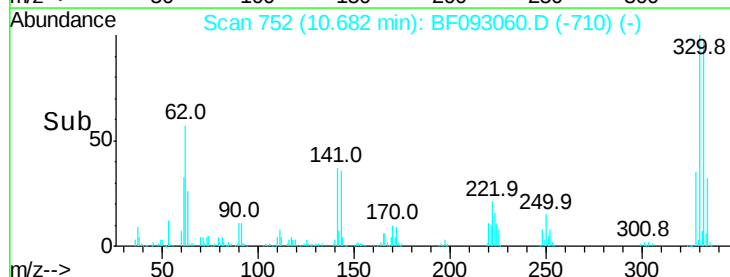


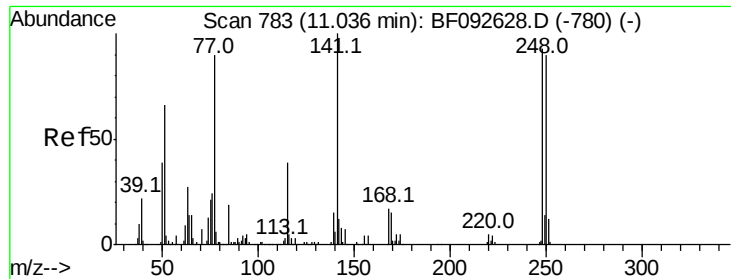
#64
4,6-Dinitro-2-methylphenol
Concen: 2.83 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093060.D
Acq: 21 Feb 2017 7:39

Tgt Ion:198 Resp: 475
Ion Ratio Lower Upper
198 100
51 235.8 6.7 46.7#
105 183.8 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.61 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

Instrument :

BNA_F

ClientSampled :

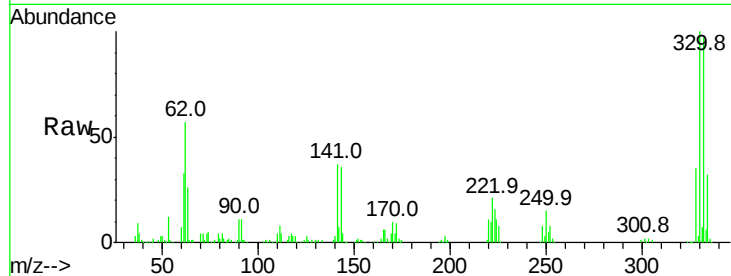
Tot Ion:248 Resp: 22424

Ion Ratio Lower Upper

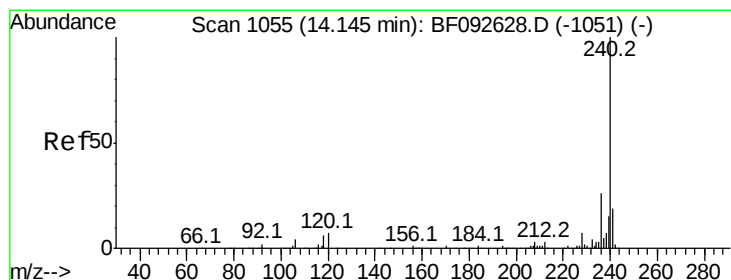
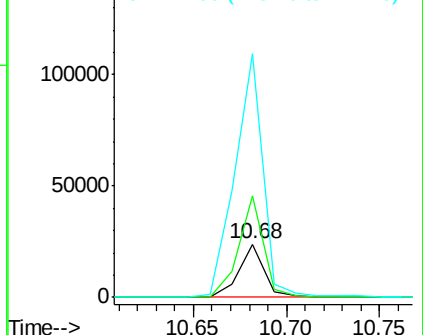
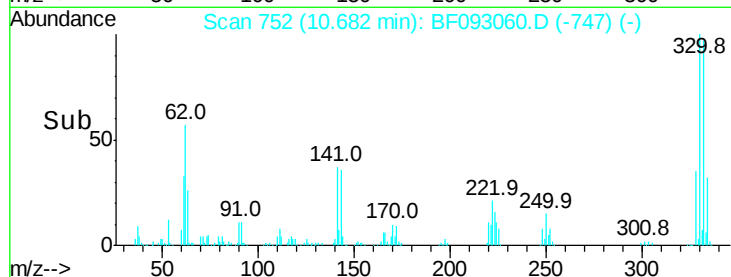
248 100

250 192.1 76.9 115.3#

141 459.9 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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093060.D

Acq: 21 Feb 2017 7:39

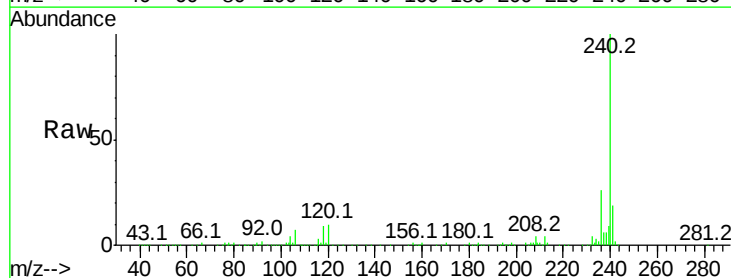
Tgt Ion:240 Resp: 306069

Ion Ratio Lower Upper

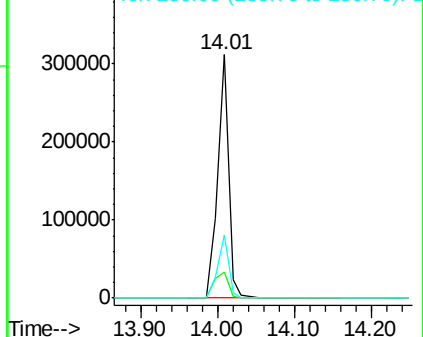
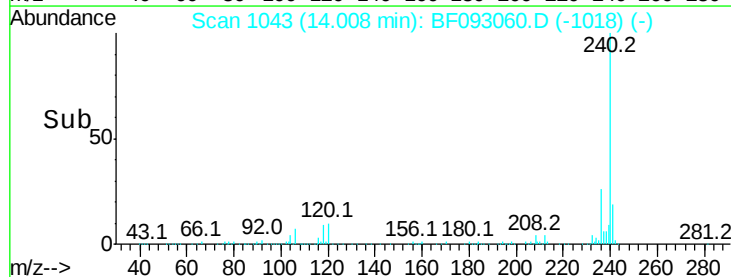
240 100

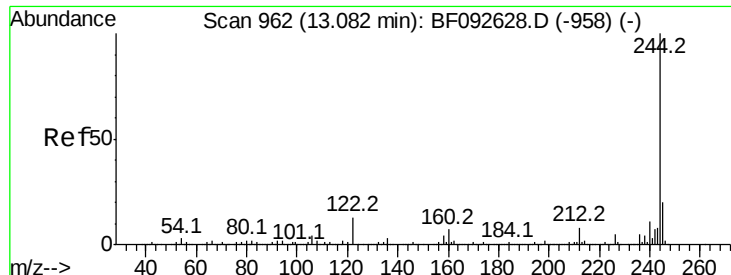
120 10.4 12.9 19.3#

236 26.1 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

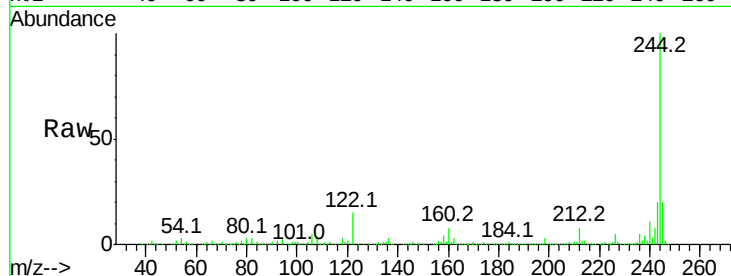




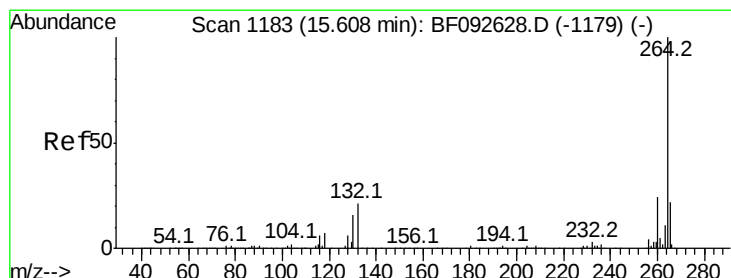
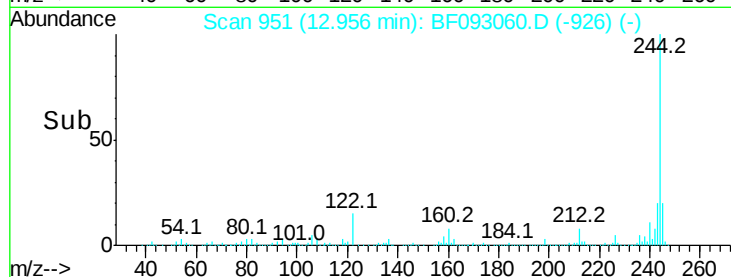
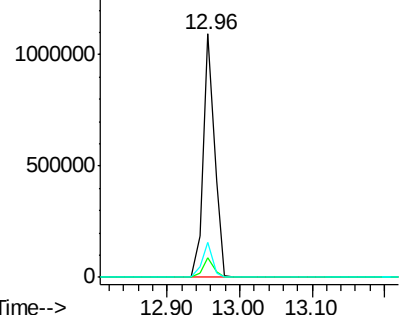
#78
 Terphenyl-d14
 Concen: 91.02 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1185571
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 14.5 11.4 17.2

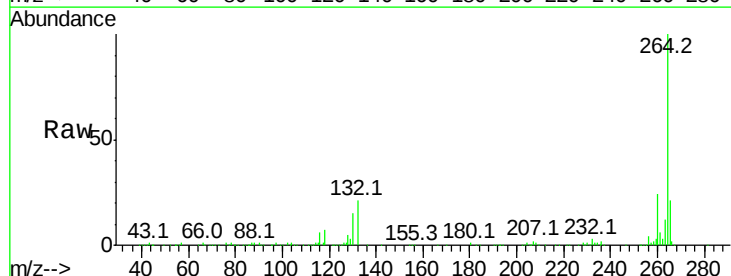


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093060.D
 Acq: 21 Feb 2017 7:39

Tgt Ion:264 Resp: 287298
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.1 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

