

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093139.D
 Acq On : 24 Feb 2017 9:16
 Operator : SJ/MA
 Sample : I1955-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 10:01:36 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

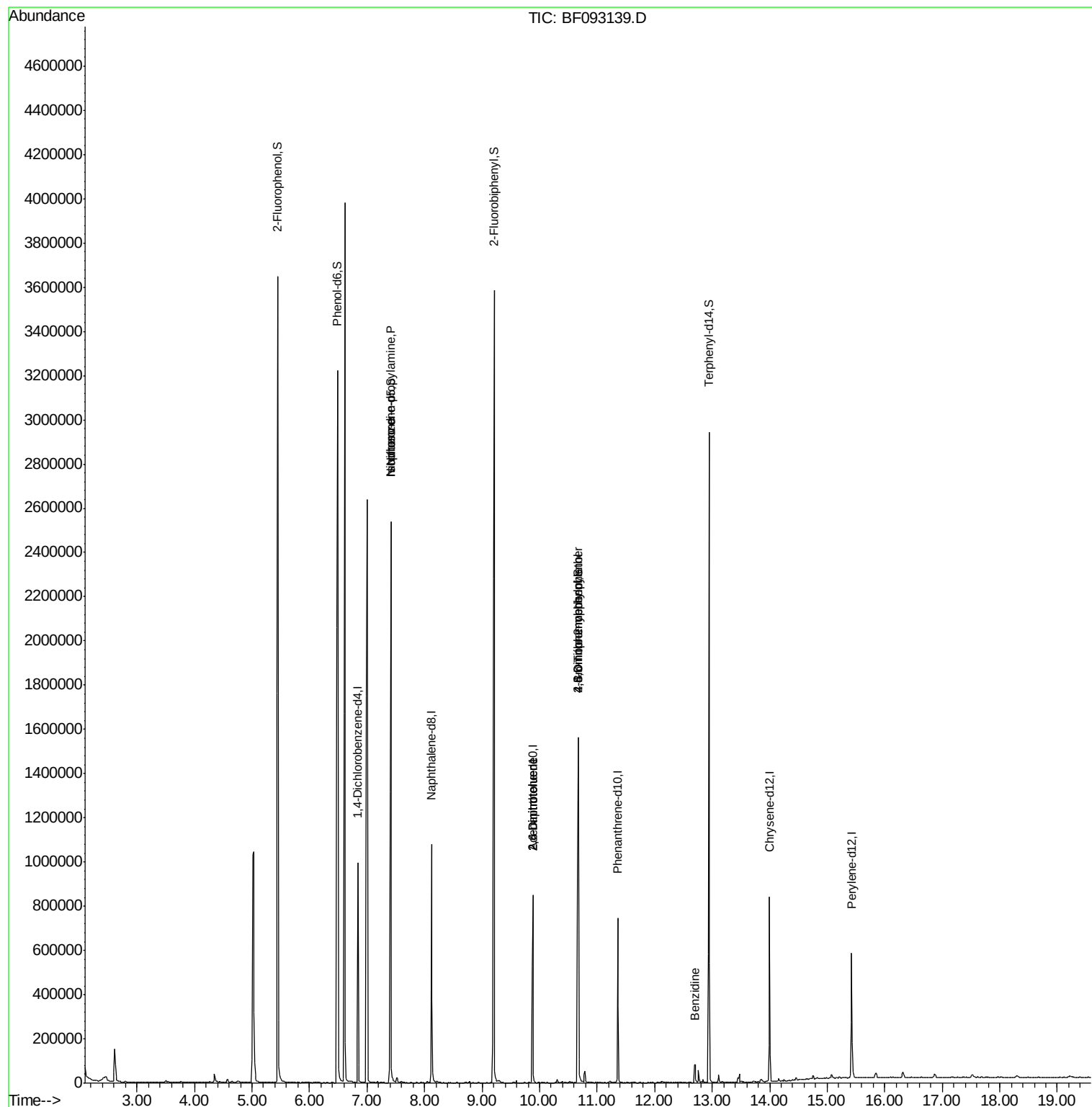
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	144873	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	515709	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	214408	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	312740	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	289010	20.00	ng	-0.02
86) Perylene-d12	15.43	264	241806	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1123030	132.99	ng	0.00
7) Phenol-d6	6.49	99	1377985	126.83	ng	0.00
23) Nitrobenzene-d5	7.41	82	944364	101.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	213666	137.78	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1476281	124.74	ng	-0.01
78) Terphenyl-d14	12.95	244	898171	73.02	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	127456	18.43	ng	# 77
25) Isophorone	7.41	82	923507	53.52	ng	# 65
50) 2,6-Dinitrotoluene	9.88	165	26222	8.41	ng	# 30
56) 2,4-Dinitrotoluene	9.88	165	26222	6.32	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.67	198	270	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	16323	5.00	ng	# 1
76) Benzidine	12.71	184	56244	4.57	ng	96

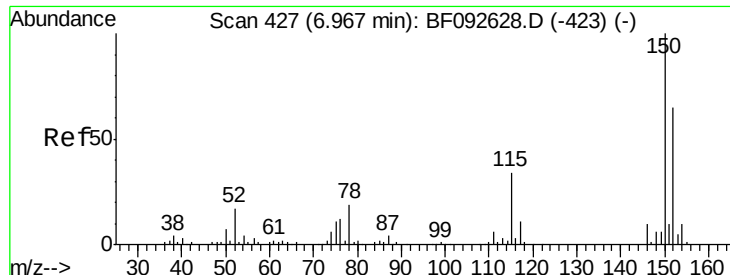
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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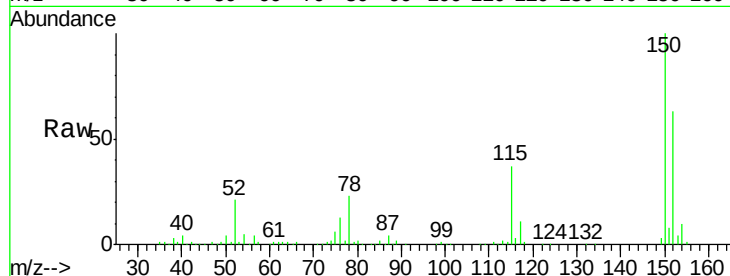


#1

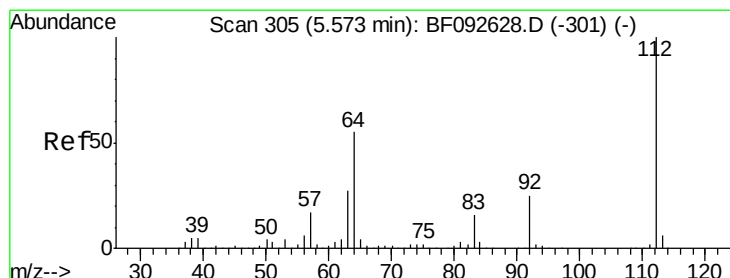
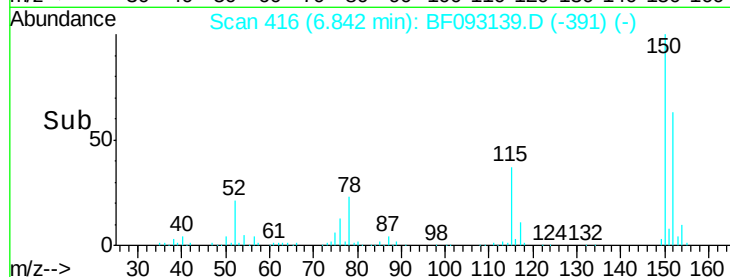
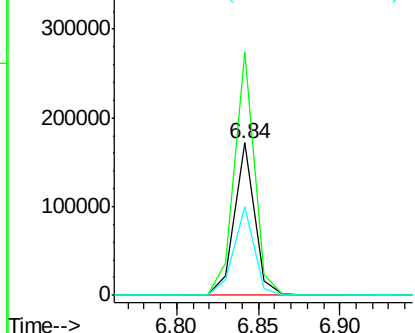
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144873
Ion Ratio Lower Upper
152 100
150 159.9 124.9 187.3
115 58.5 46.0 69.0



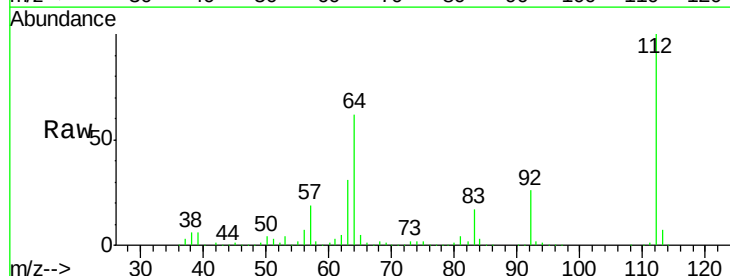
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



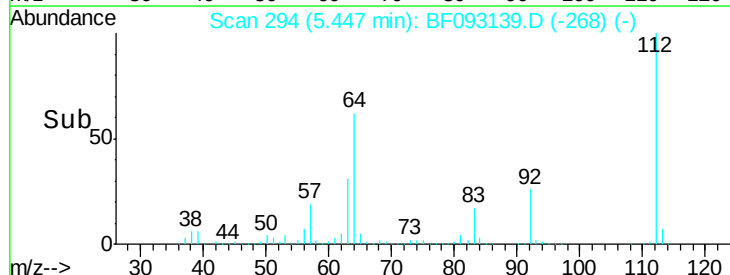
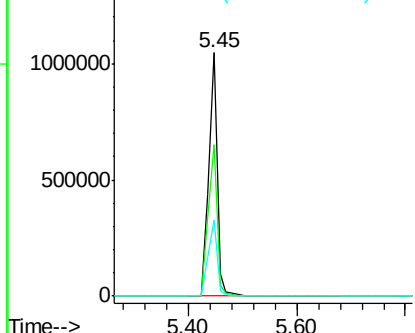
#5

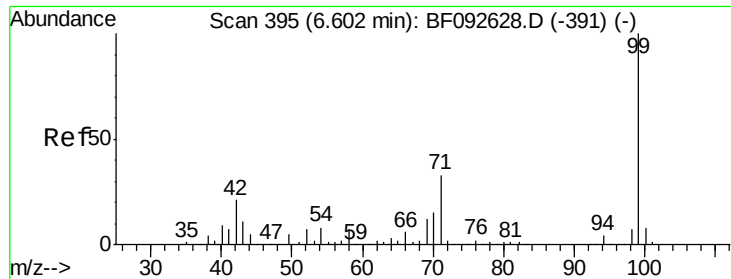
2-Fluorophenol
Concen: 132.99 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.00 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Tgt Ion:112 Resp: 1123030
Ion Ratio Lower Upper
112 100
64 62.4 46.1 69.1
63 31.3 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: 126.83 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

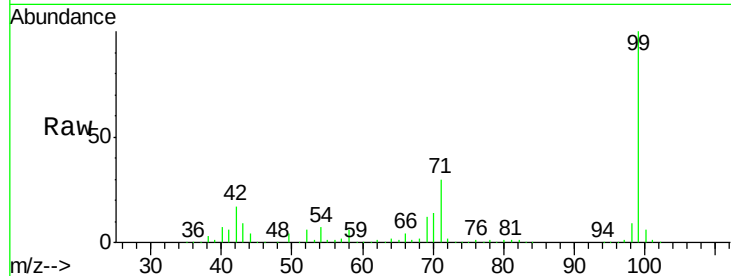
Lab File: BF093139.D

Acq: 24 Feb 2017 9:16

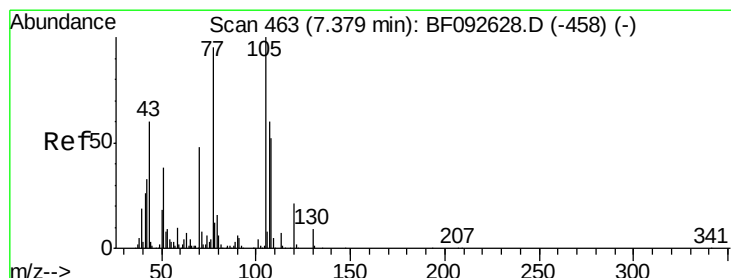
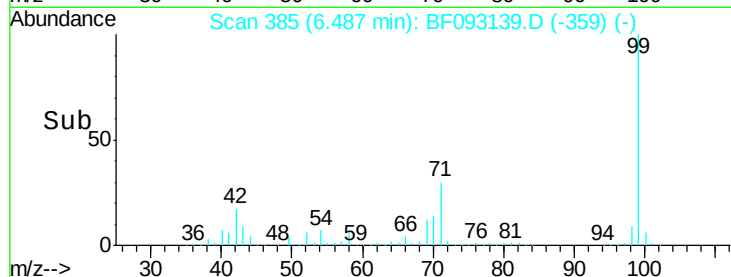
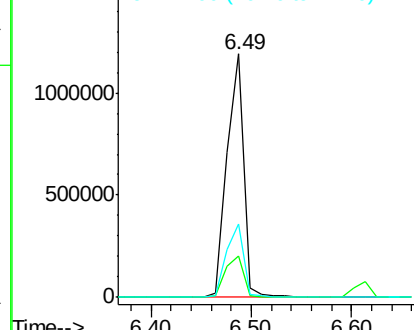
Instrument :
BNA_F
ClientSampled :

Tot Ion: 99 Resp: 1377985

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.6	23.4
71	30.2	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: 18.43 ng

RT: 7.41 min Scan# 466

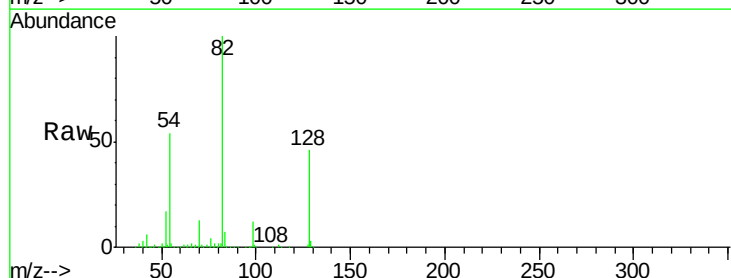
Delta R.T. 0.14 min

Lab File: BF093139.D

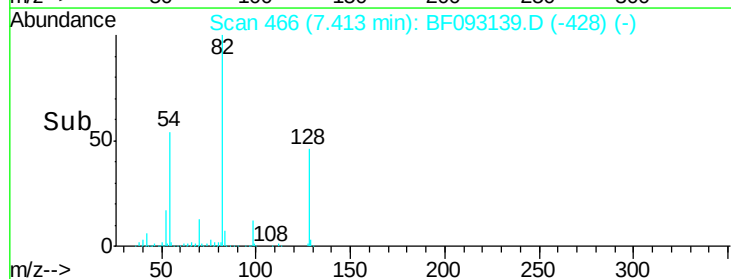
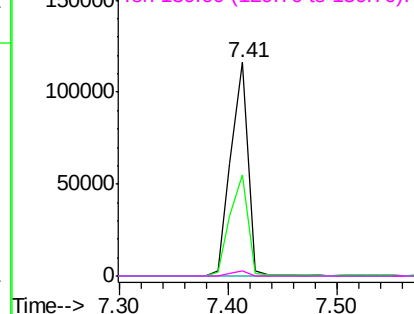
Acq: 24 Feb 2017 9:16

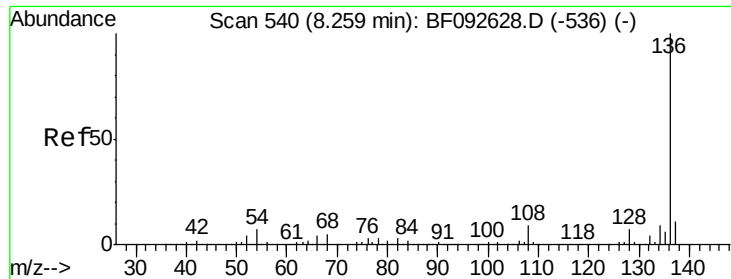
Tgt Ion: 70 Resp: 127456

Ion	Ratio	Lower	Upper
70	100		
42	47.5	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): BF0
Ion 130.00 (129.70 to 130.70): BF0

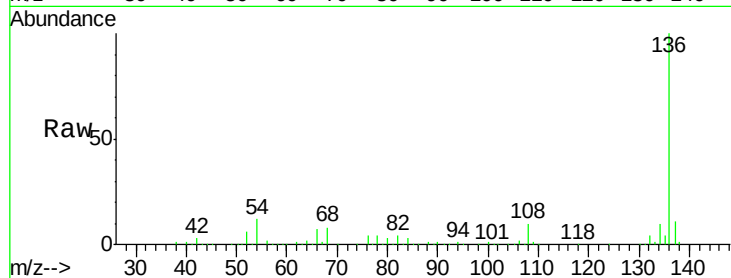




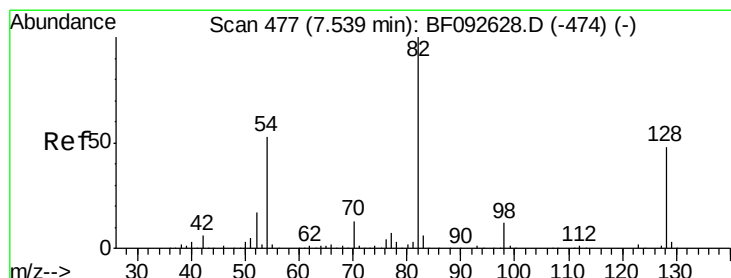
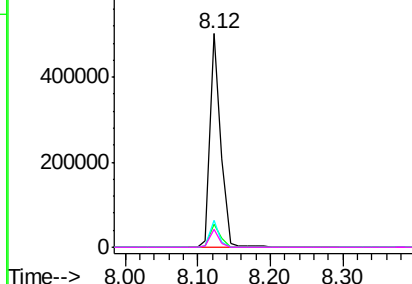
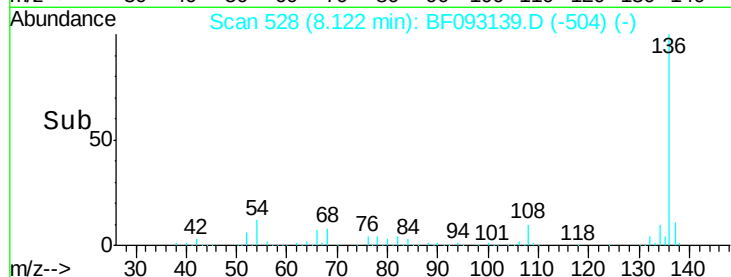
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	515709
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	12.4	4.5	6.7#
68	8.4	3.6	5.4#

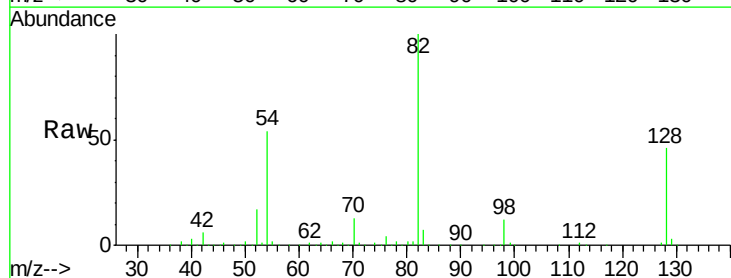


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

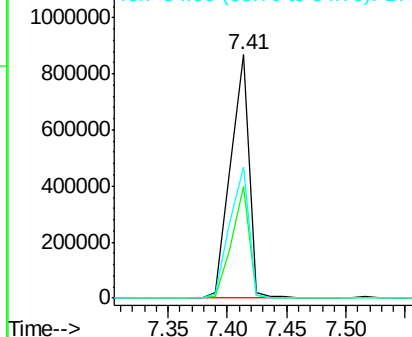
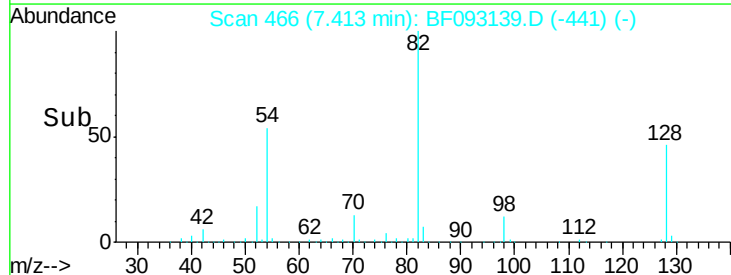


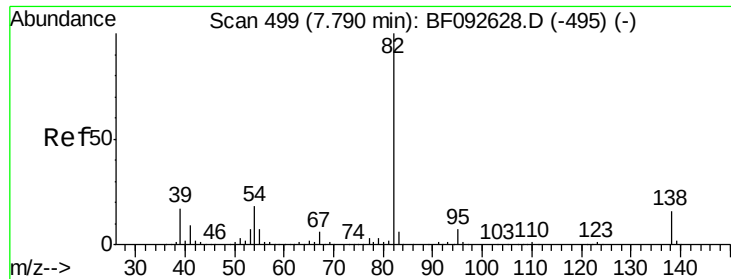
#23
Nitrobenzene-d5
Concen: 101.97 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Tgt Ion:	82	Resp:	944364
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.6	52.0
54	53.8	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: 53.52 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093139.D

Acq: 24 Feb 2017 9:16

Instrument :

BNA_F

ClientSampleId :

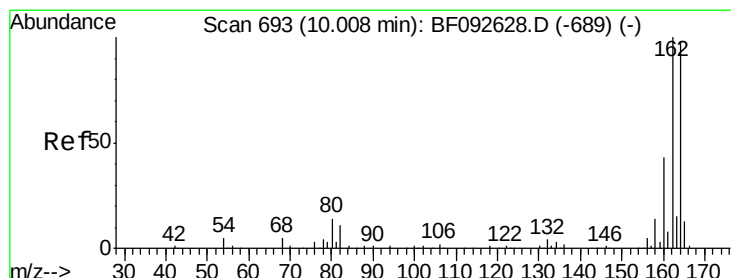
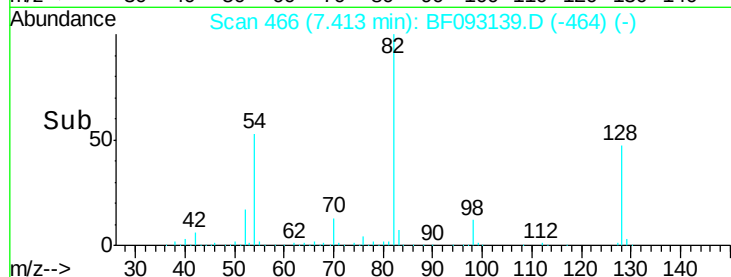
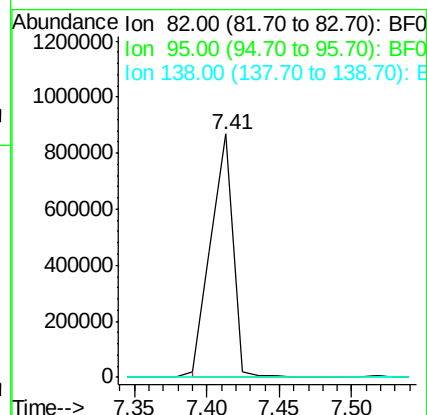
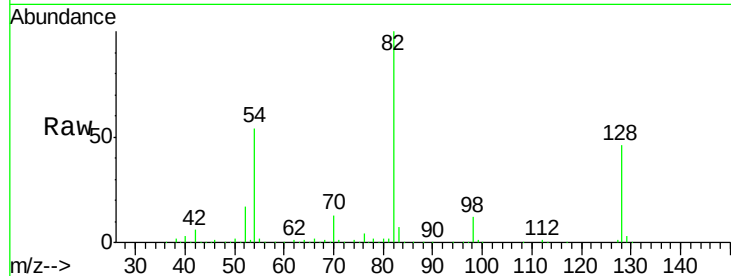
Tot Ion: 82 Resp: 923507

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: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093139.D

Acq: 24 Feb 2017 9:16

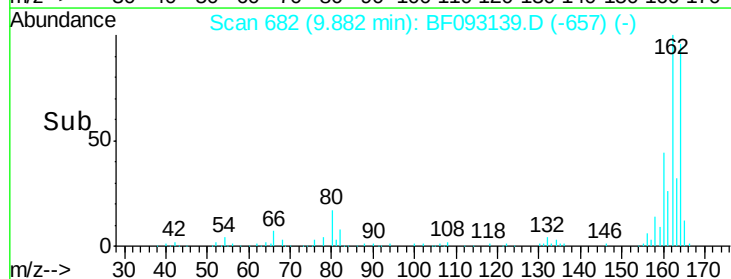
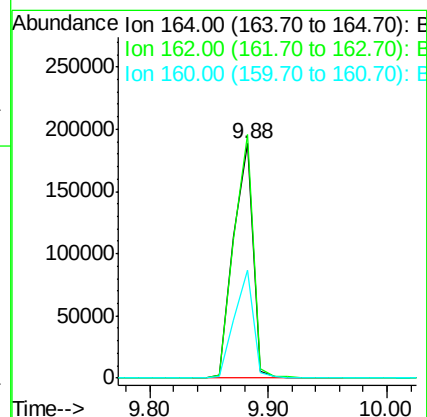
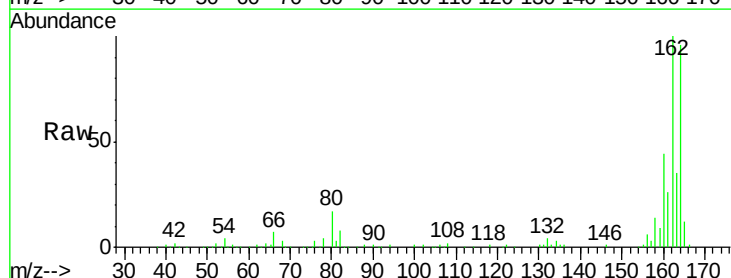
Tgt Ion: 164 Resp: 214408

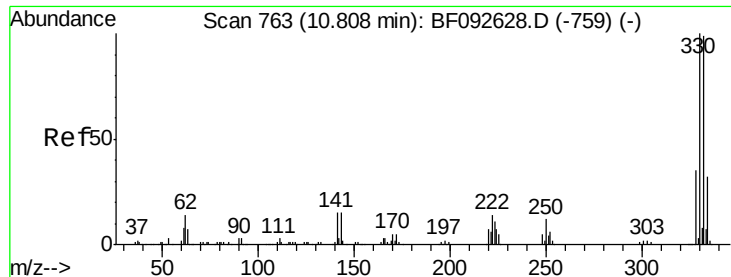
Ion Ratio Lower Upper

164 100

162 104.0 80.2 120.2

160 46.1 36.9 55.3

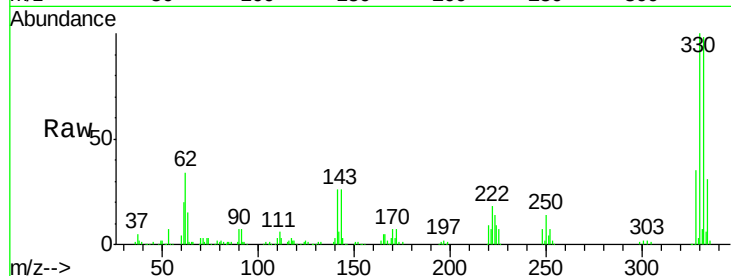




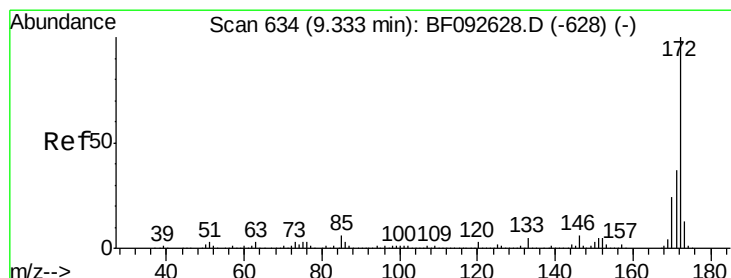
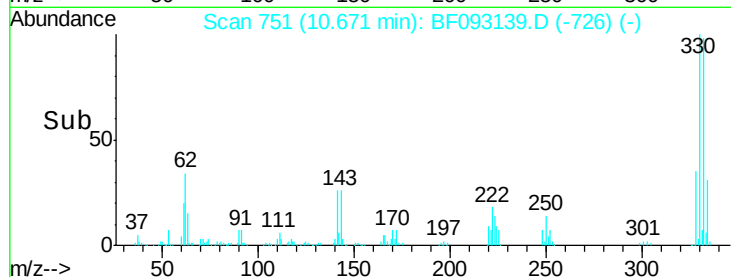
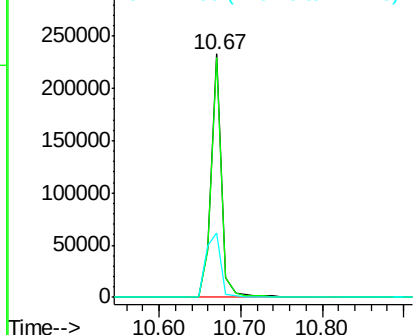
#41
 2,4,6-Tribromophenol
 Concen: 137.78 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093139.D
 Acq: 24 Feb 2017 9:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 213666
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 38.4 34.1 51.1

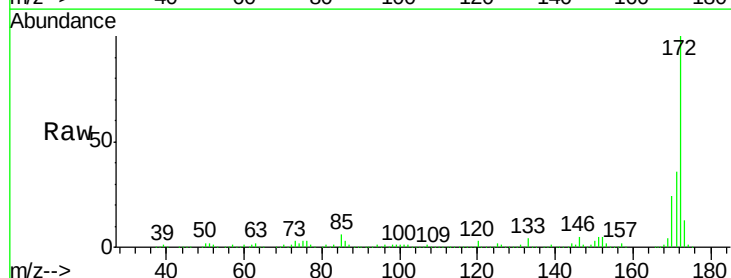


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

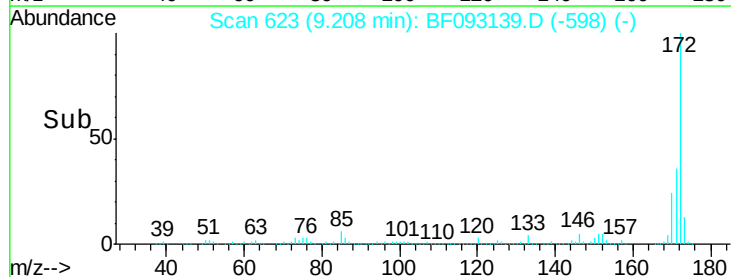
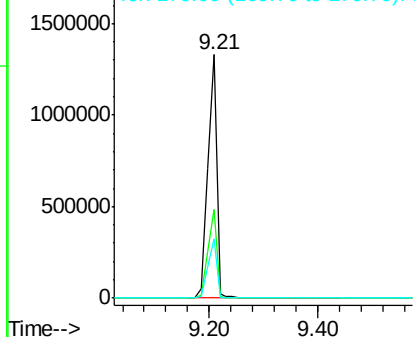


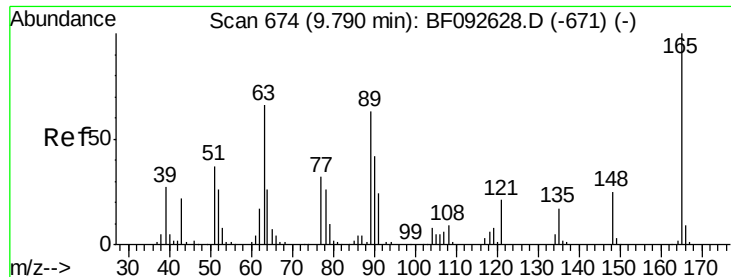
#44
 2-Fluorobiphenyl
 Concen: 124.74 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093139.D
 Acq: 24 Feb 2017 9:16

Tgt Ion:172 Resp: 1476281
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.2 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

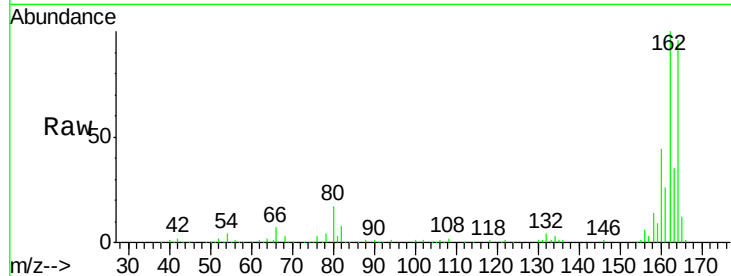




#50
 2,6-Dinitrotoluene
 Concen: 8.41 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093139.D
 Acq: 24 Feb 2017 9:16

Instrument :
 BNA_F
 ClientSampleId :

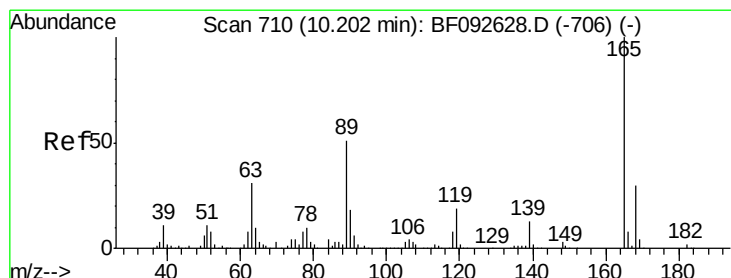
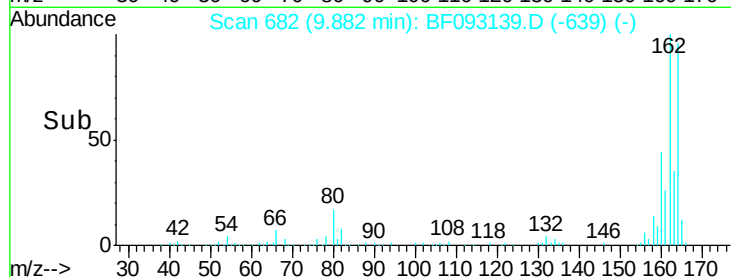
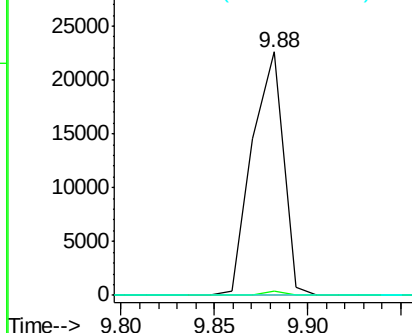
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.2	54.4#
89	0.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

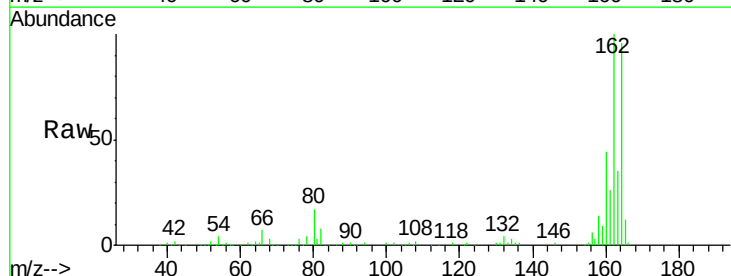
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093139.D
 Acq: 24 Feb 2017 9:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#

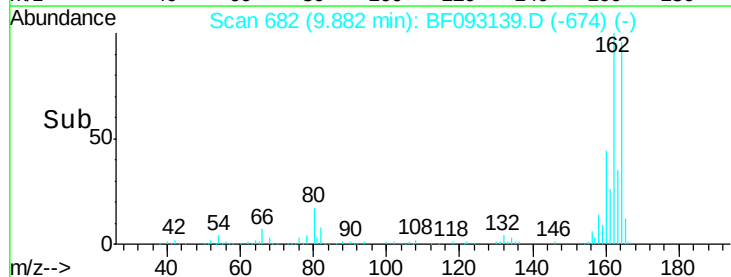
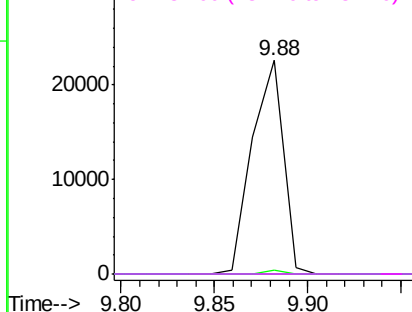


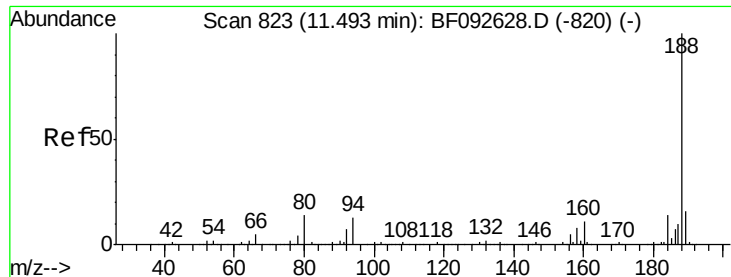
Abundance Ion 165.00 (164.70 to 165.70): E

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

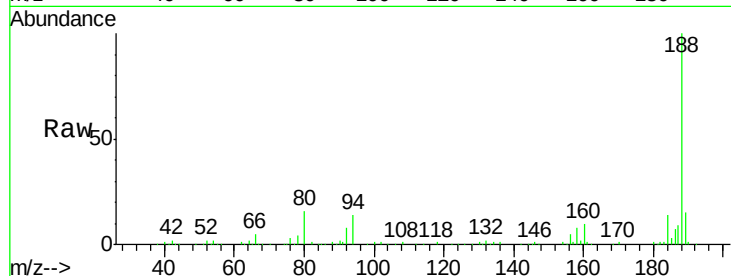




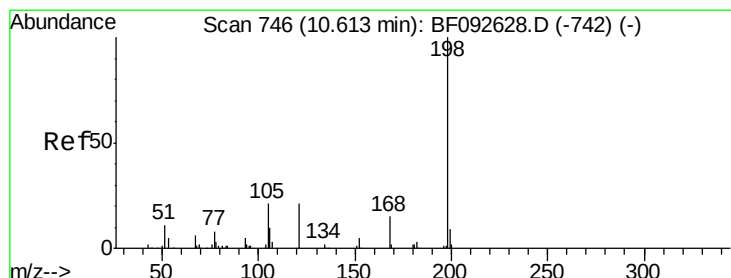
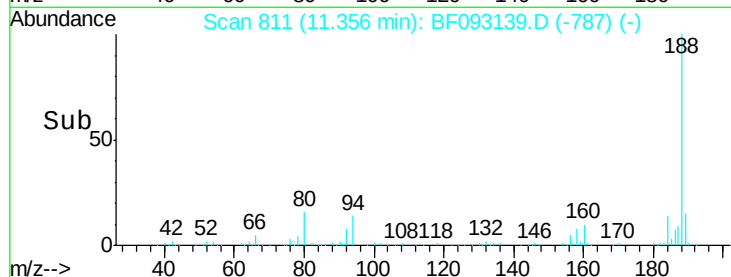
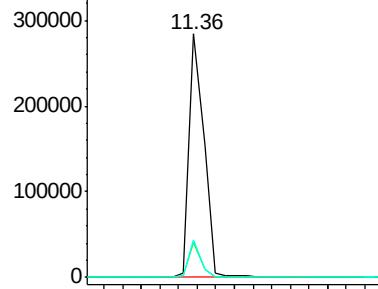
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 312740
Ion Ratio Lower Upper
188 100
94 14.3 10.0 15.0
80 15.6 11.2 16.8

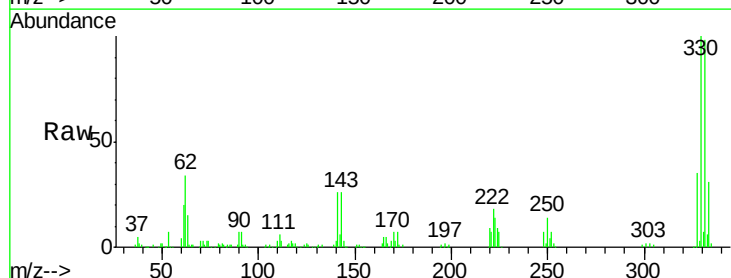


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

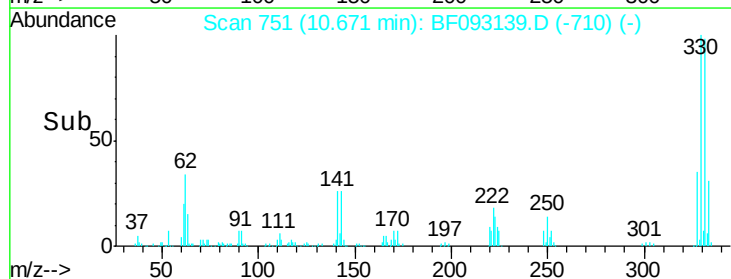
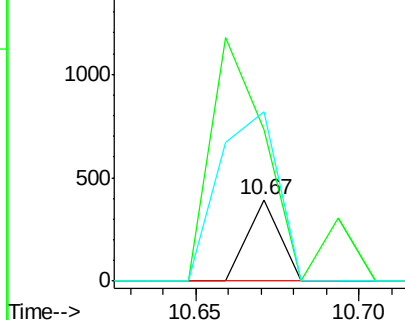


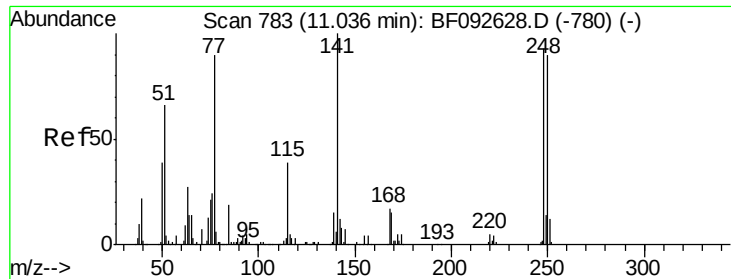
#64
4,6-Dinitro-2-methylphenol
Concen: 2.80 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Tgt Ion:198 Resp: 270
Ion Ratio Lower Upper
198 100
51 186.5 6.7 46.7#
105 207.1 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

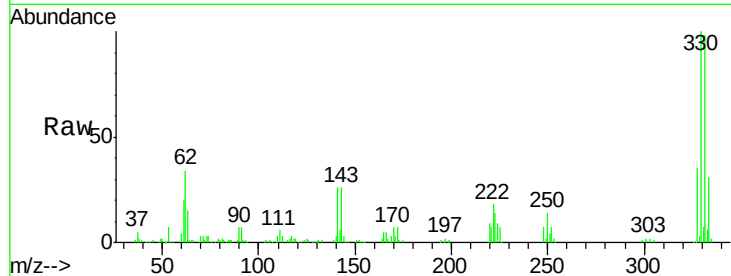




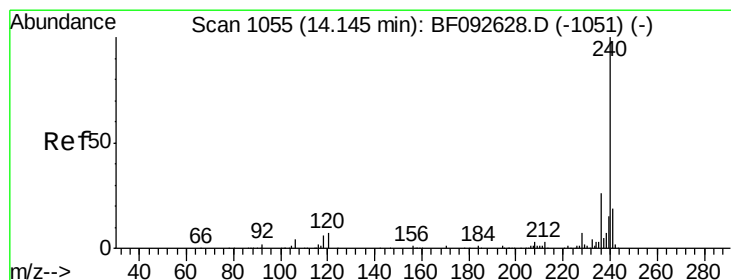
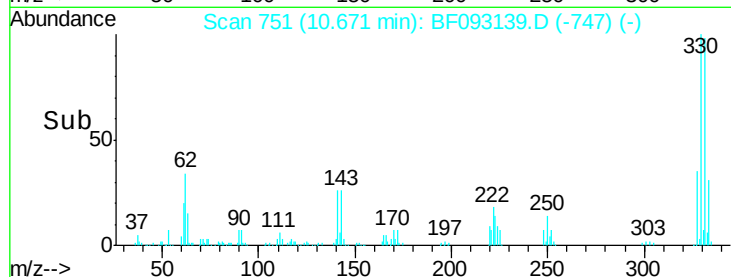
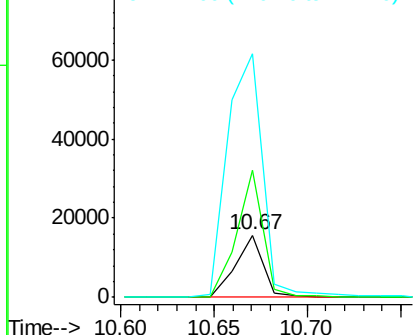
#66
4-Bromophenyl-phenylether
Concen: 5.00 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16323
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 390.1 68.2 102.4#

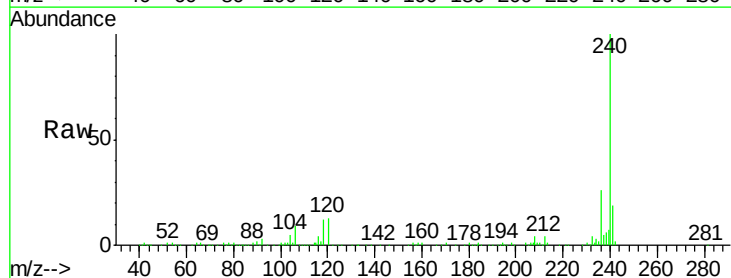


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

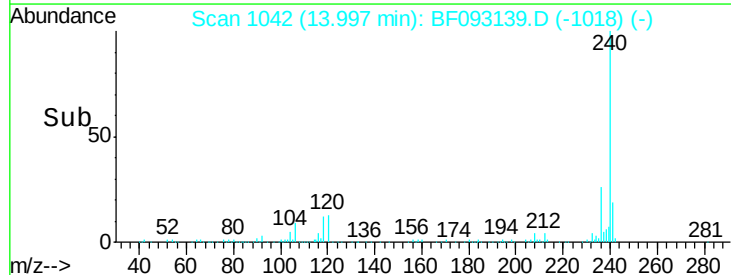
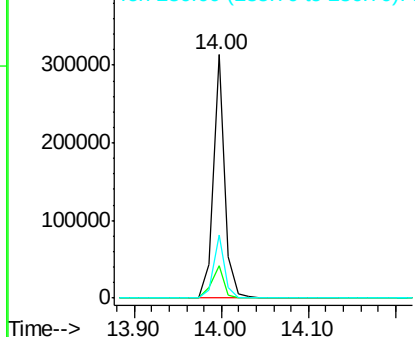


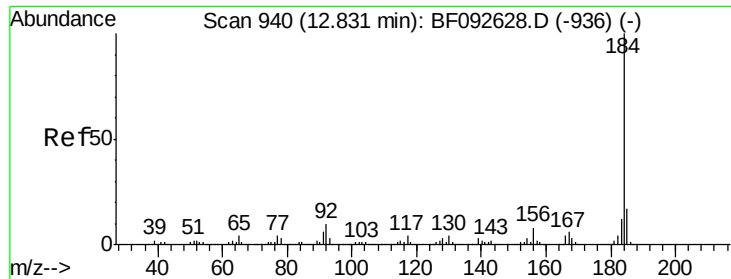
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Tgt Ion:240 Resp: 289010
Ion Ratio Lower Upper
240 100
120 13.5 12.9 19.3
236 26.0 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: 4.57 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF093139.D

Acq: 24 Feb 2017 9:16

Instrument :

BNA_F

ClientSampled :

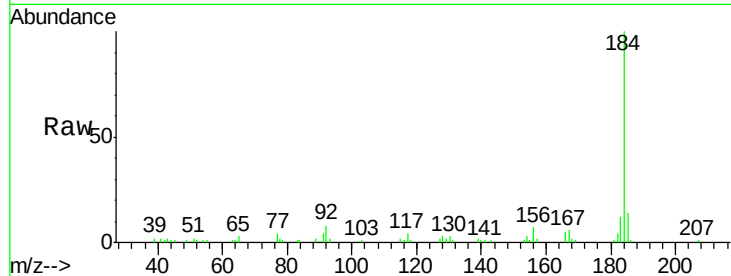
Tot Ion:184 Resp: 56244

Ion Ratio Lower Upper

184 100

185 14.3 13.4 20.0

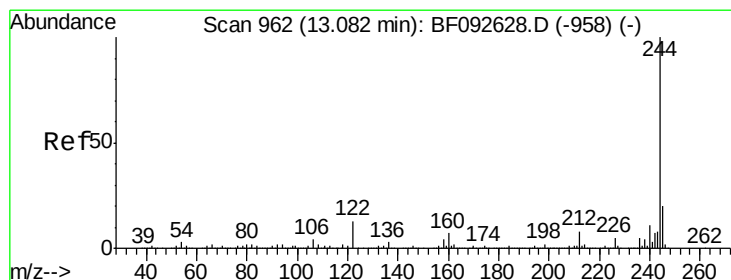
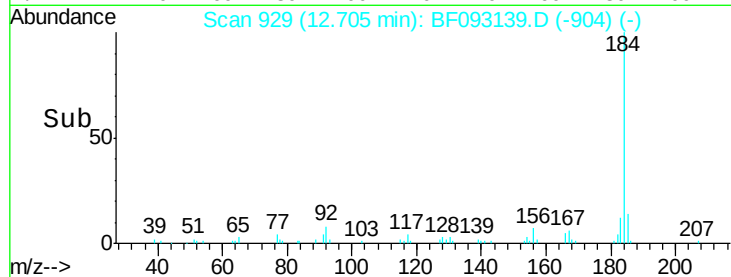
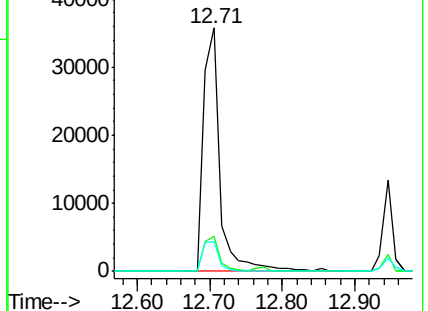
183 12.3 9.2 13.8



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: 73.02 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093139.D

Acq: 24 Feb 2017 9:16

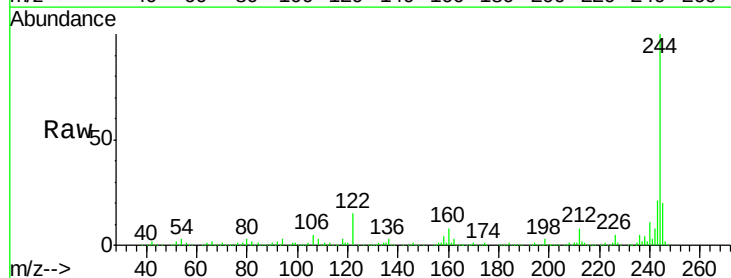
Tgt Ion:244 Resp: 898171

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

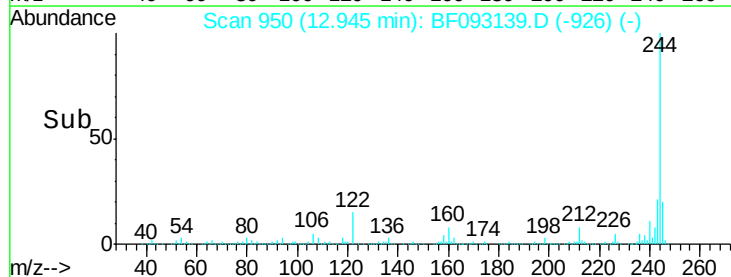
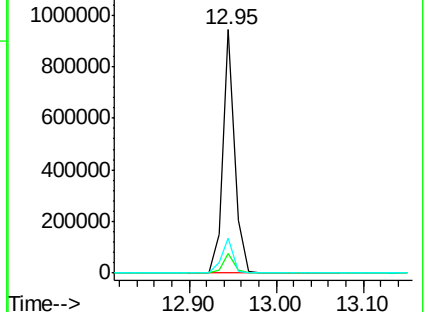
122 14.6 11.4 17.2

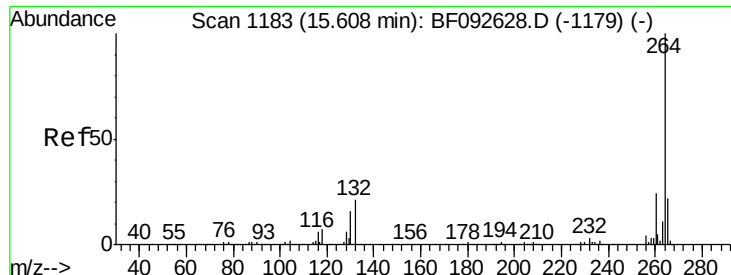


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

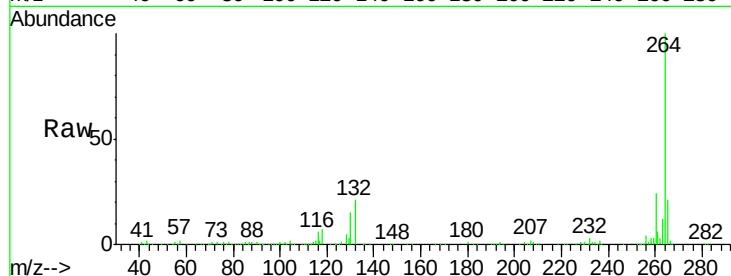




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093139.D
Acq: 24 Feb 2017 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.4	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

