

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093252.D
 Acq On : 28 Feb 2017 16:55
 Operator : SJ/MA
 Sample : I2017-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 17:20:06 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

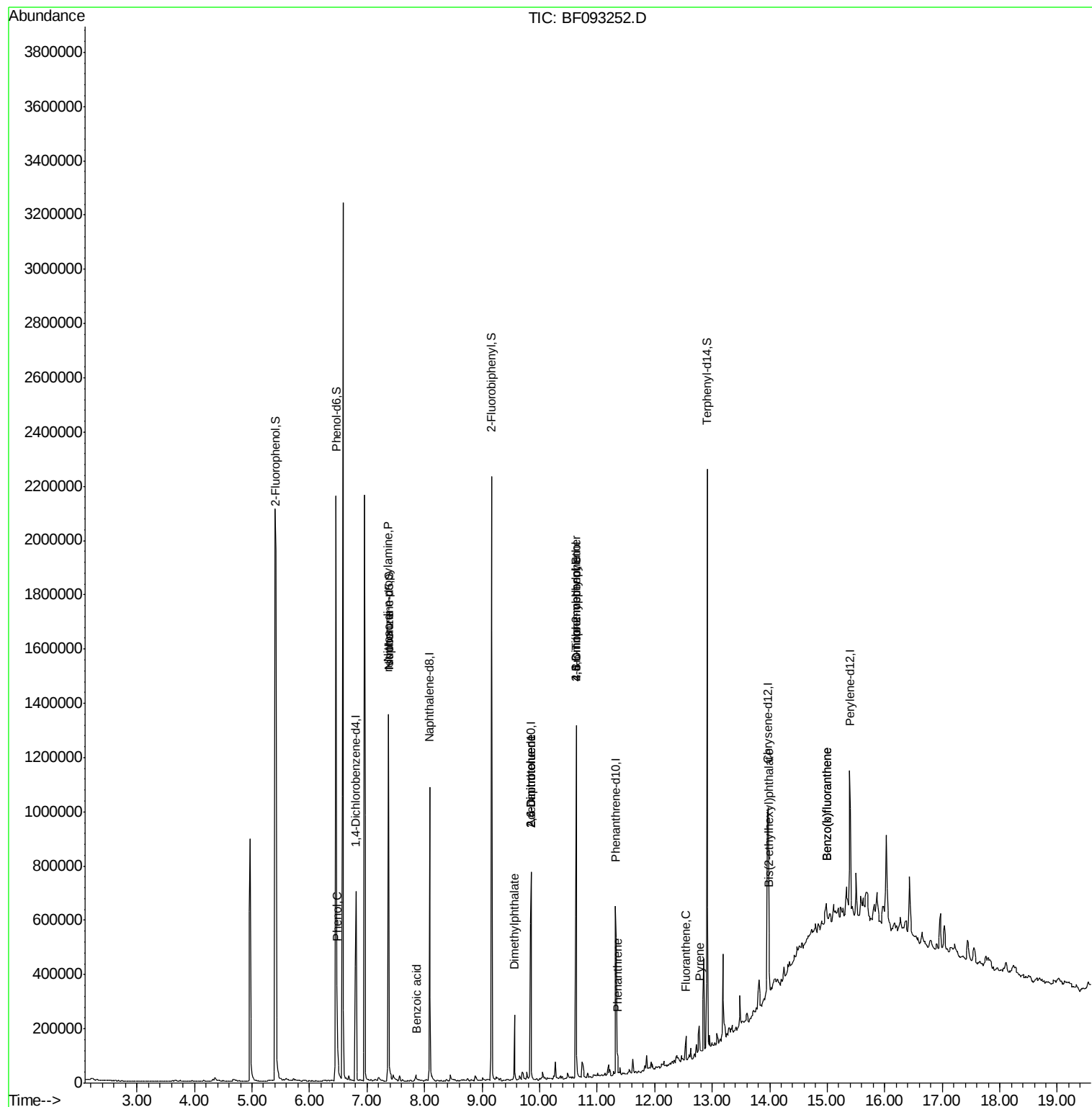
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132971	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	488292	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	200121	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	313495	20.00	ng	-0.06
75) Chrysene-d12	13.97	240	313081	20.00	ng	-0.05
86) Perylene-d12	15.39	264	243038	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	886965	114.44	ng	-0.03
7) Phenol-d6	6.46	99	1131341	113.45	ng	-0.02
23) Nitrobenzene-d5	7.38	82	668768	76.27	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	152037	105.04	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	952894	86.26	ng	-0.06
78) Terphenyl-d14	12.91	244	619533	46.50	ng	-0.06
Target Compounds						
10) Phenol	6.48	94	70335	6.03	ng	# 72
19) n-Nitroso-di-n-propylamine	7.37	70	88354	13.92	ng	# 85
25) Isophorone	7.38	82	659767	40.38	ng	# 65
32) Benzoic acid	7.86	122	211	7.21	ng	# 73
49) Dimethylphthalate	9.56	163	86345	6.41	ng	99
50) 2,6-Dinitrotoluene	9.85	165	25781	8.86	ng	# 32
56) 2,4-Dinitrotoluene	9.85	165	25781	6.65	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.64	198	297	2.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11547	3.53	ng	# 1
70) Phenanthrene	11.36	178	38570	2.15	ng	98
74) Fluoranthene	12.55	202	44100	2.38	ng	94
77) Pyrene	12.77	202	52938	2.26	ng	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	86716	6.66	ng	# 96
87) Benzo(b)fluoranthene	14.99	252	41690	2.61	ng	# 70
88) Benzo(k)fluoranthene	14.99	252	41690	3.02	ng	# 69

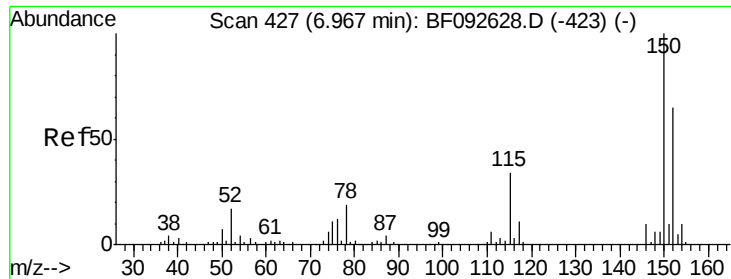
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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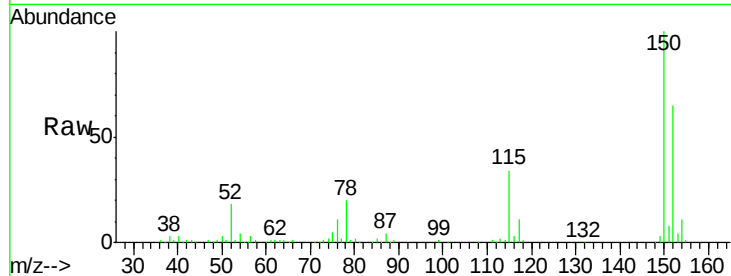


#1

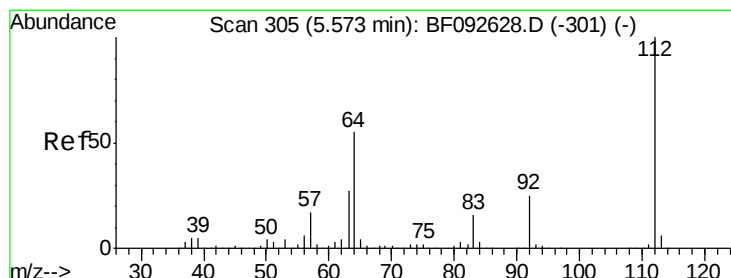
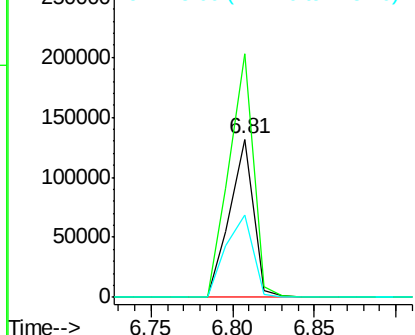
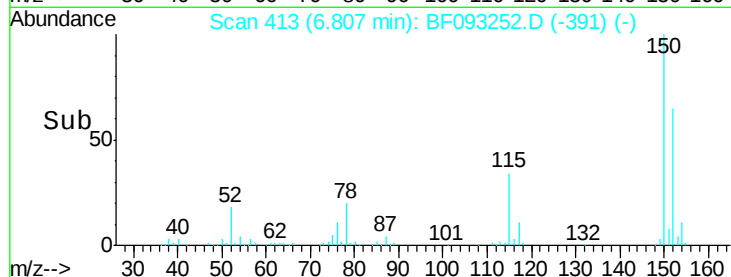
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 132971
Ion Ratio Lower Upper
152 100
150 153.7 124.9 187.3
115 51.9 46.0 69.0



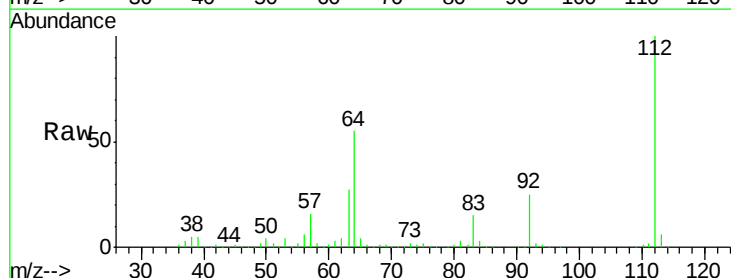
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



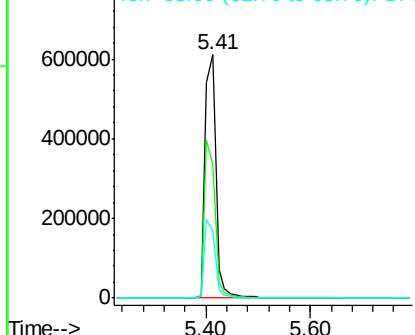
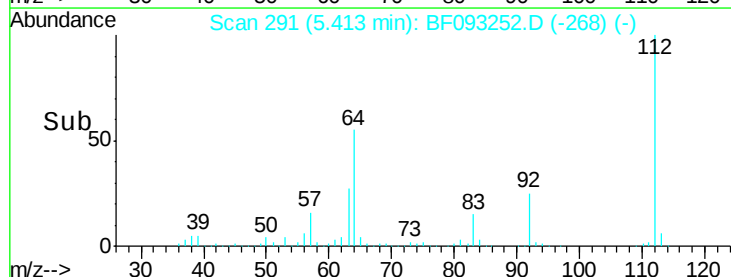
#5

2-Fluorophenol
Concen: 114.44 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion:112 Resp: 886965
Ion Ratio Lower Upper
112 100
64 55.1 46.1 69.1
63 27.4 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: 113.45 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

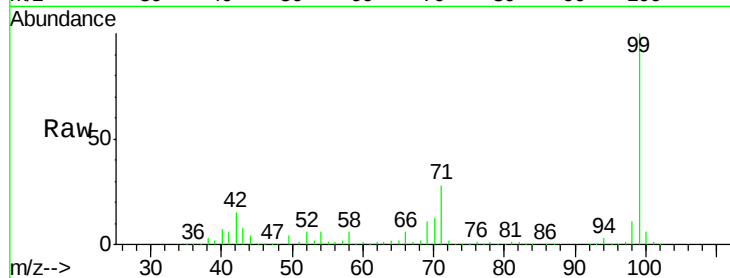
Instrument :

BNA_F

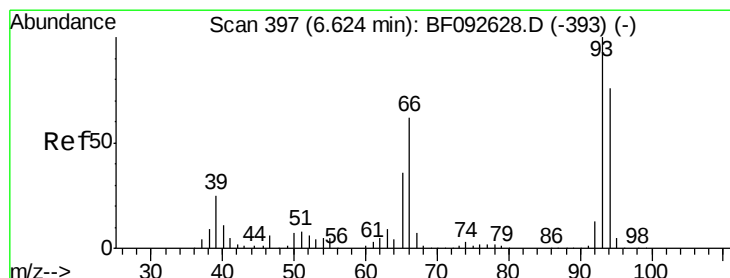
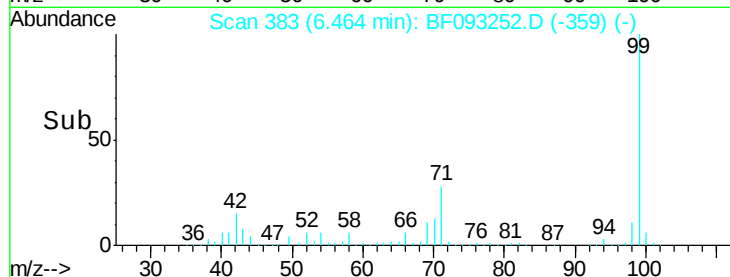
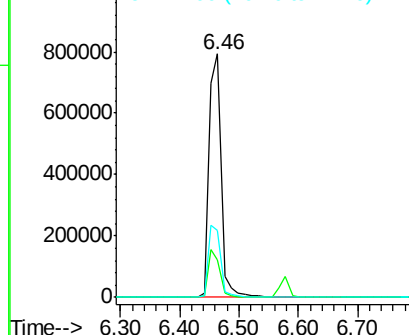
ClientSampleId :

Tot Ion: 99 Resp: 1131341

Ion	Ratio	Lower	Upper
99	100		
42	15.3	15.6	23.4#
71	27.6	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



#10

Phenol

Concen: 6.03 ng

RT: 6.48 min Scan# 384

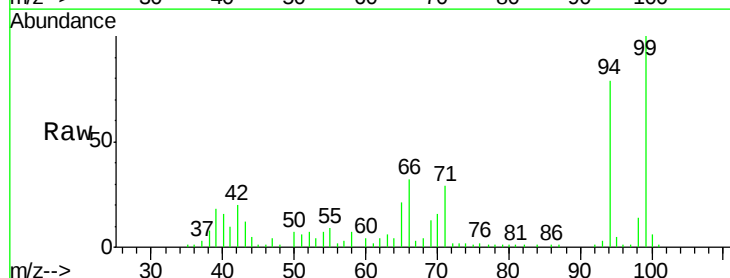
Delta R.T. -0.03 min

Lab File: BF093252.D

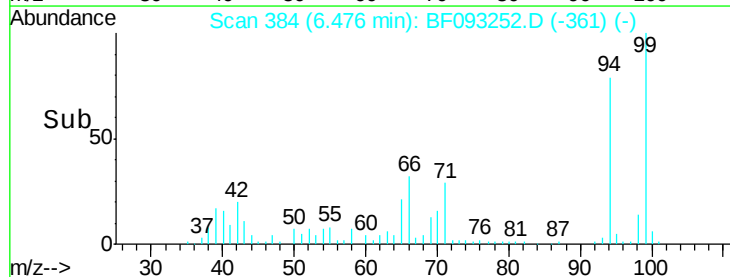
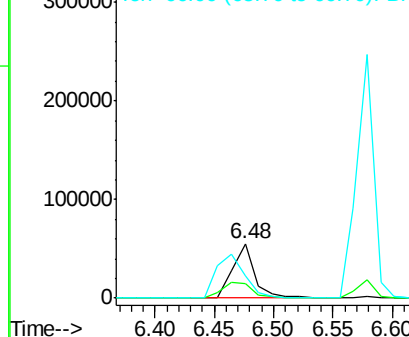
Acq: 28 Feb 2017 16:55

Tgt Ion: 94 Resp: 70335

Ion	Ratio	Lower	Upper
94	100		
65	26.0	21.4	61.4
66	40.0	44.0	84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

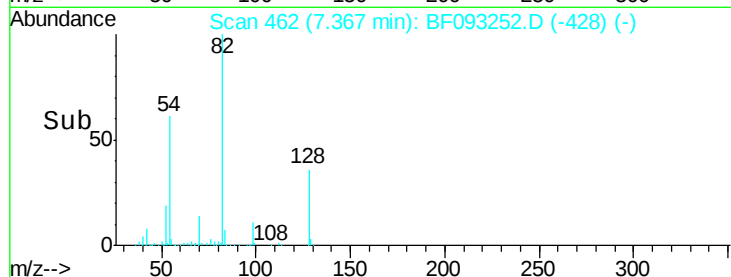
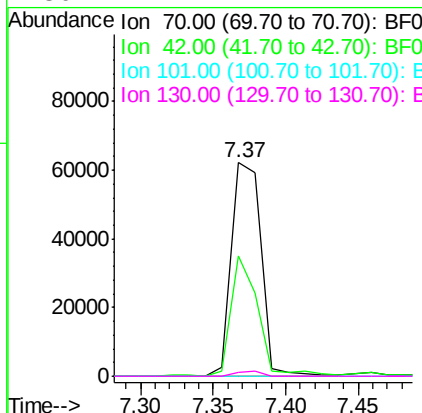
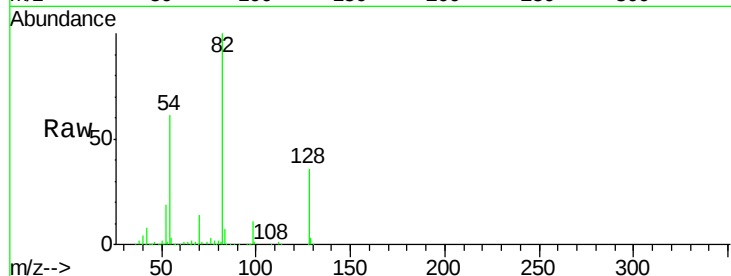




#19
n-Nitroso-di-n-propylamine
Concen: 13.92 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.09 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

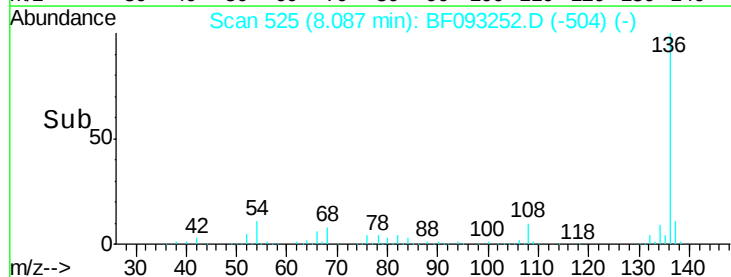
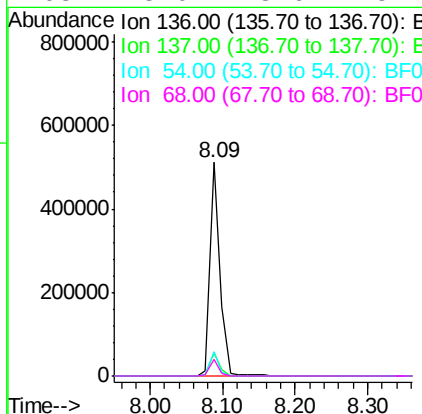
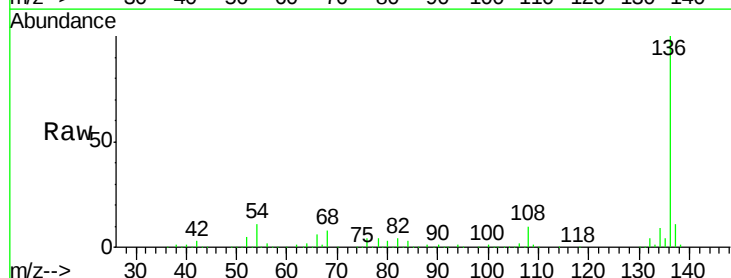
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 88354
Ion Ratio Lower Upper
70 100
42 56.4 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion: 136 Resp: 488292
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 11.5 4.5 6.7#
68 8.0 3.6 5.4#

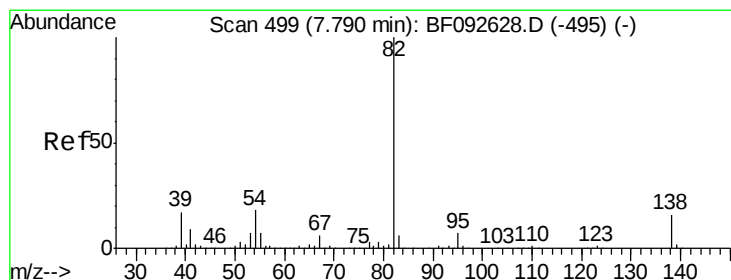
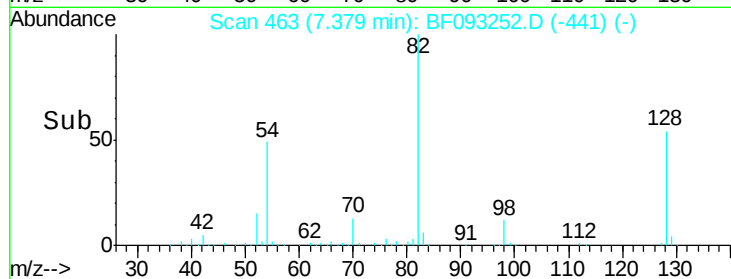
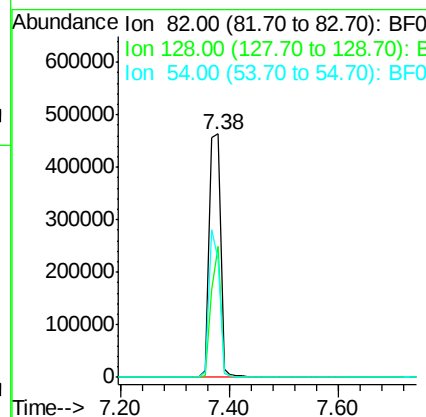
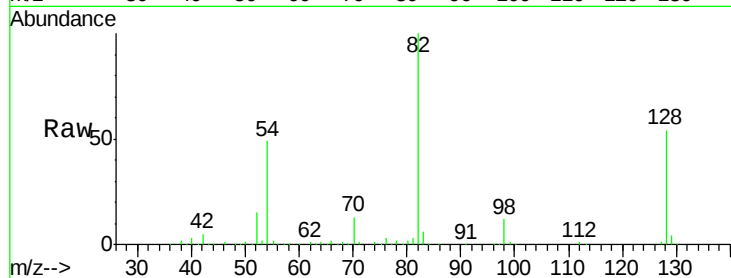




#23
Nitrobenzene-d5
Concen: 76.27 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

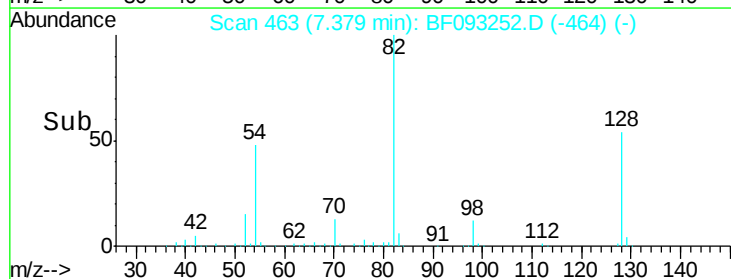
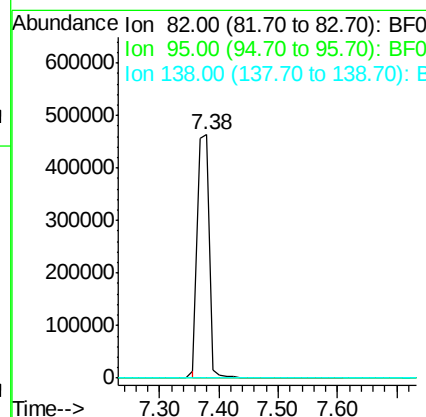
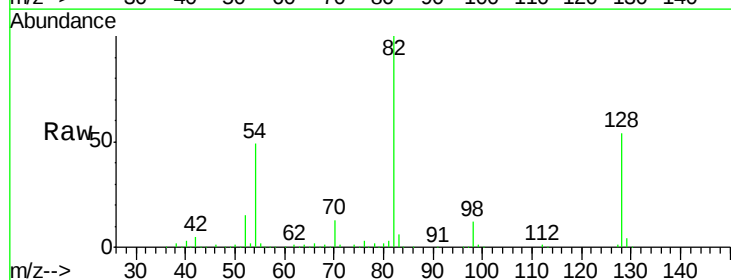
Instrument :
BNA_F
ClientSampleId :

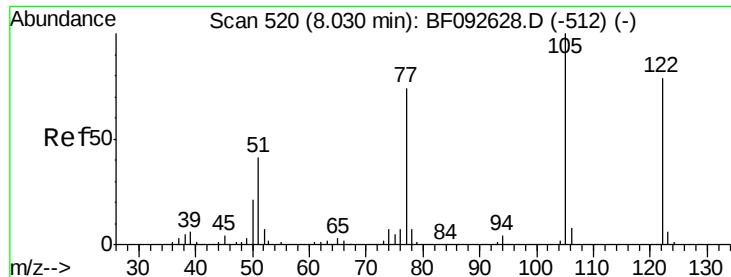
Tot Ion: 82 Resp: 668768
Ion Ratio Lower Upper
82 100
128 53.5 34.6 52.0#
54 48.5 39.5 59.3



#25
Isophorone
Concen: 40.38 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion: 82 Resp: 659767
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#





#32

Benzoic acid

Concen: 7.21 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.07 min

Lab File: BF093252.D

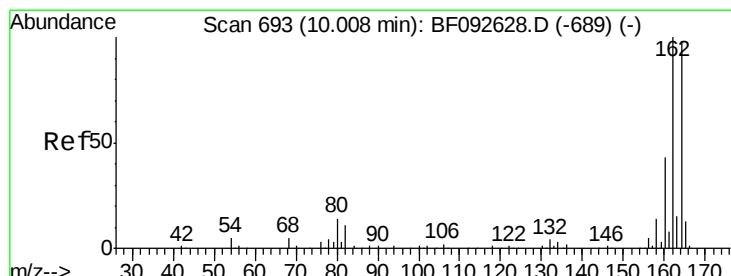
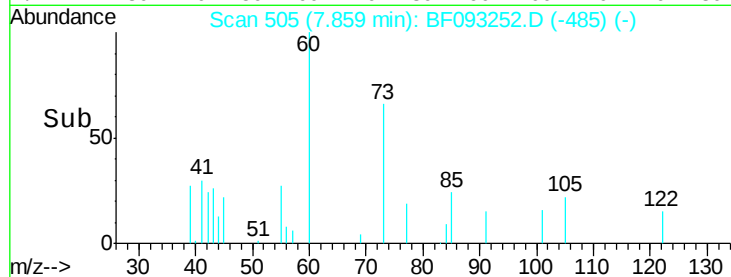
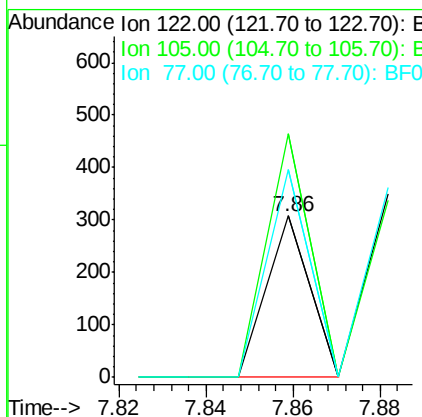
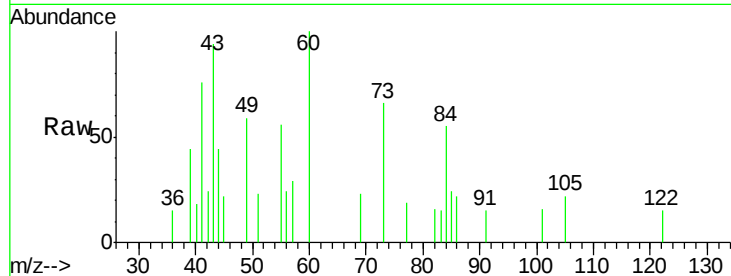
Acq: 28 Feb 2017 16:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	122	Resp:	211
Ion	Ratio	Lower	Upper
122	100		
105	150.6	107.2	147.2#
77	128.9	74.5	114.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

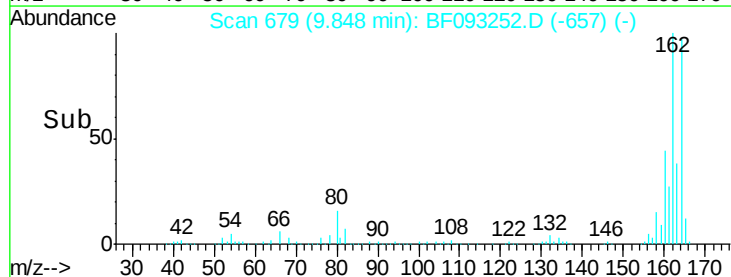
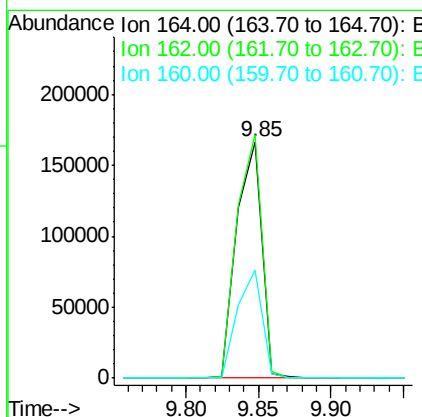
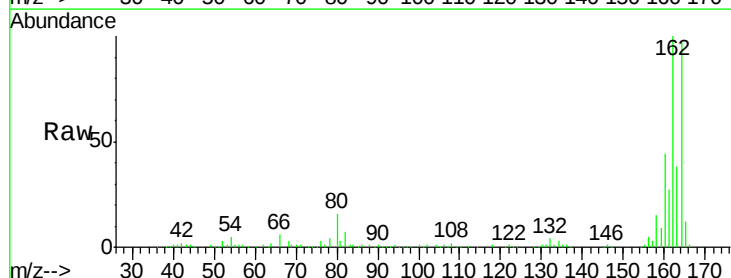
RT: 9.85 min Scan# 679

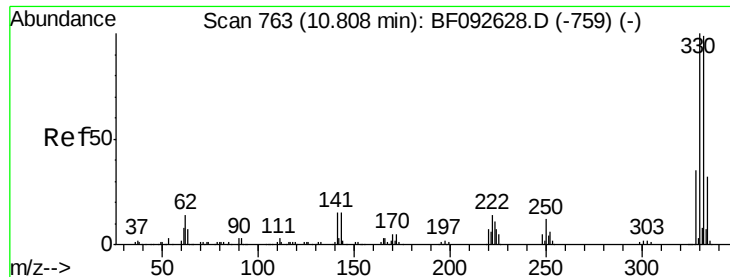
Delta R.T. -0.05 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

Tgt Ion:	164	Resp:	200121
Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.2
160	45.9	36.9	55.3

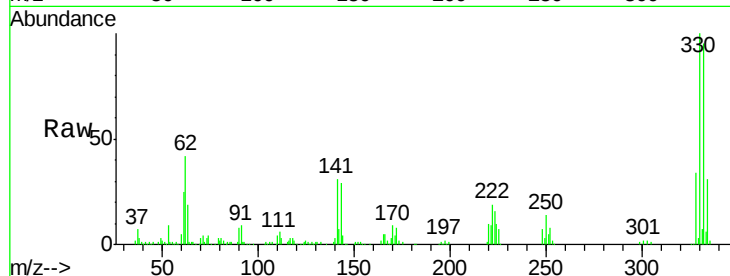




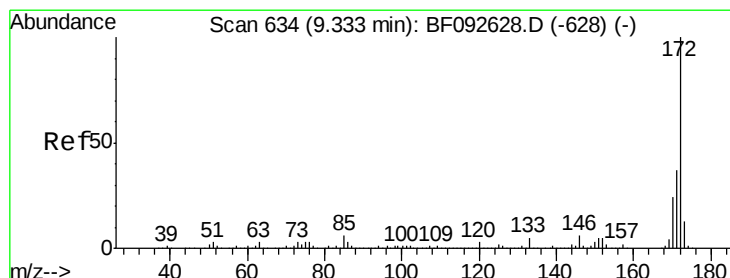
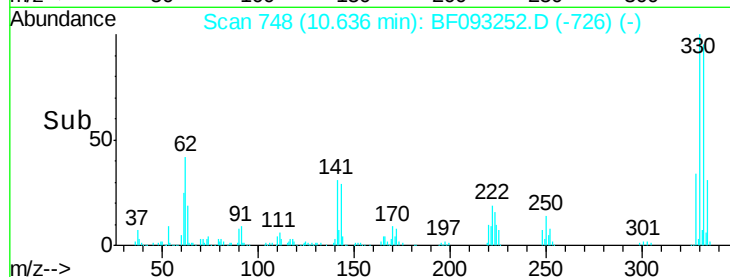
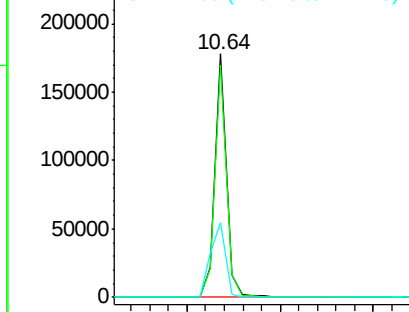
#41
 2,4,6-Tribromophenol
 Concen: 105.04 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093252.D
 Acq: 28 Feb 2017 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.2
141	40.8	34.1	51.1

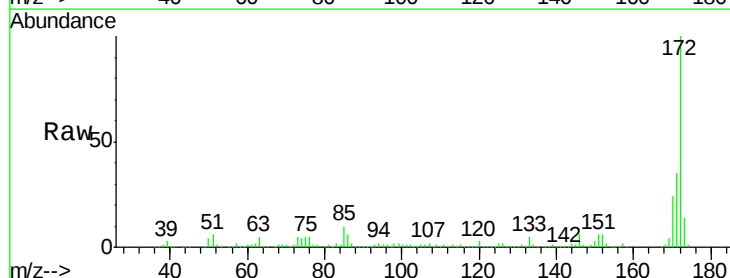


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

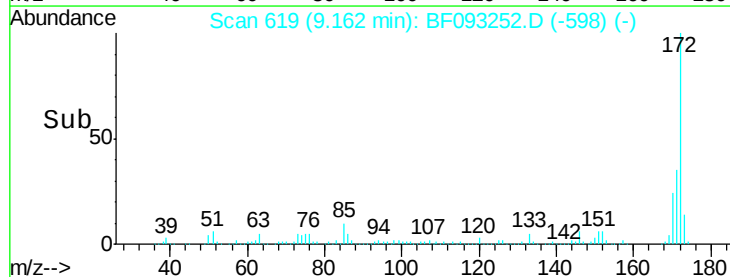
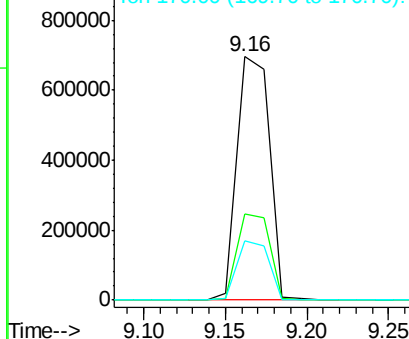


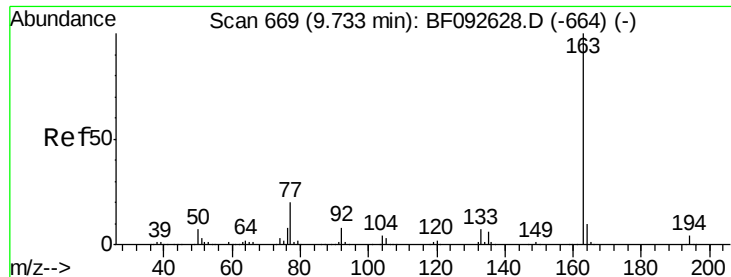
#44
 2-Fluorobiphenyl
 Concen: 86.26 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093252.D
 Acq: 28 Feb 2017 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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

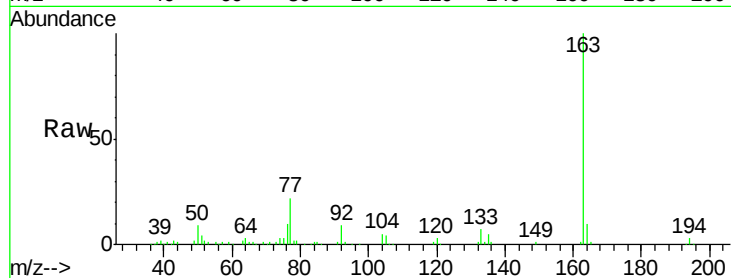




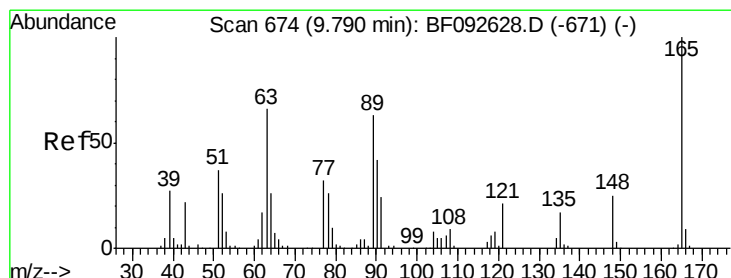
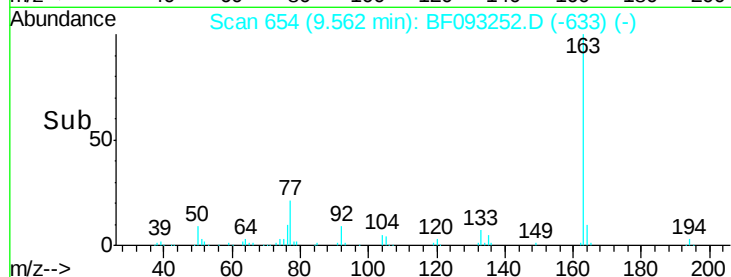
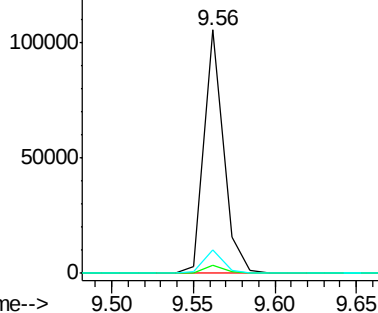
#49
Dimethylphthalate
Concen: 6.41 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 86345
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 9.8 8.0 12.0

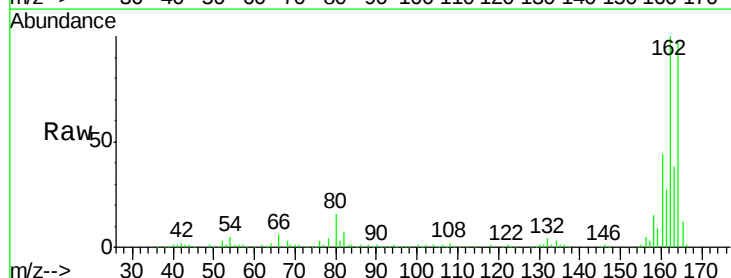


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

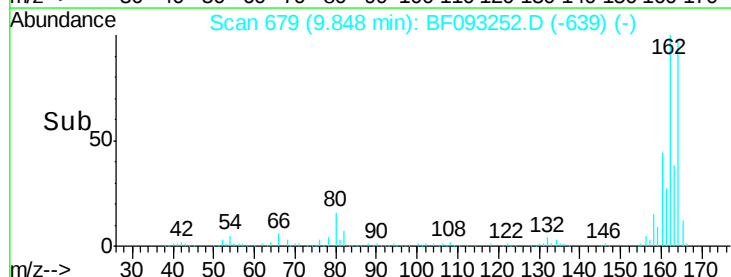
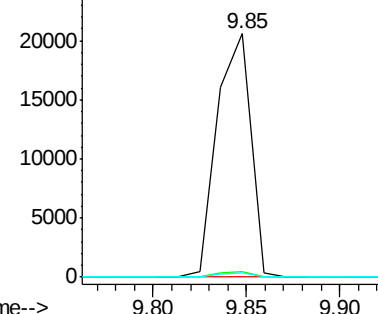


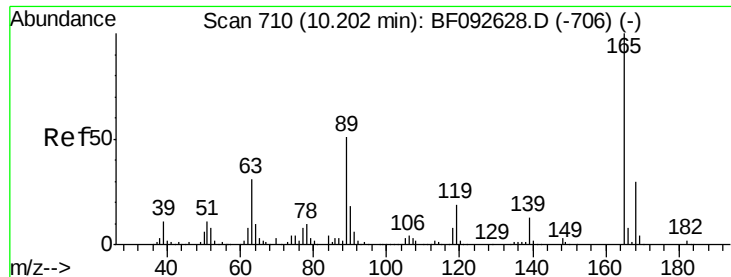
#50
2,6-Dinitrotoluene
Concen: 8.86 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.16 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion:165 Resp: 25781
Ion Ratio Lower Upper
165 100
63 2.1 36.2 54.4#
89 1.9 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

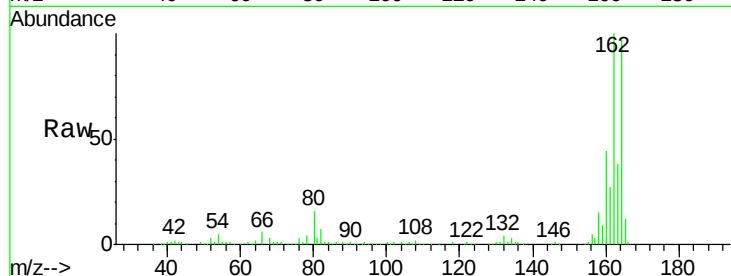




#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.24 min
 Lab File: BF093252.D
 Acq: 28 Feb 2017 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.2	60.4#
89	1.9	62.5	93.7#
182	0.0	1.8	2.8#

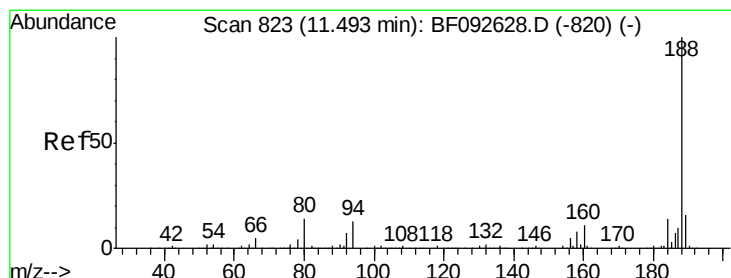
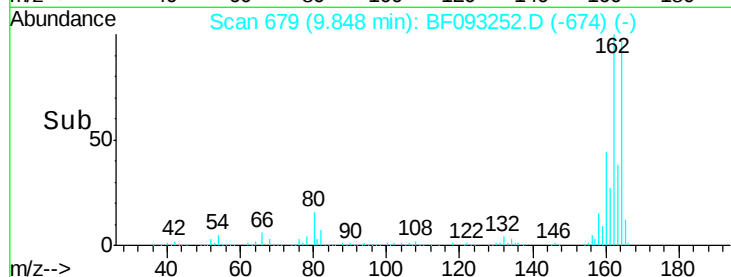
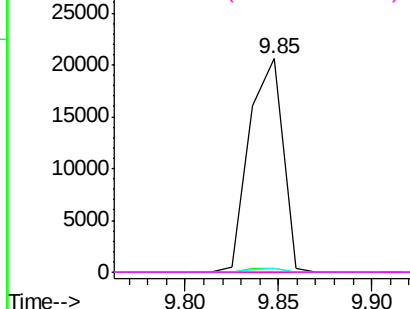


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

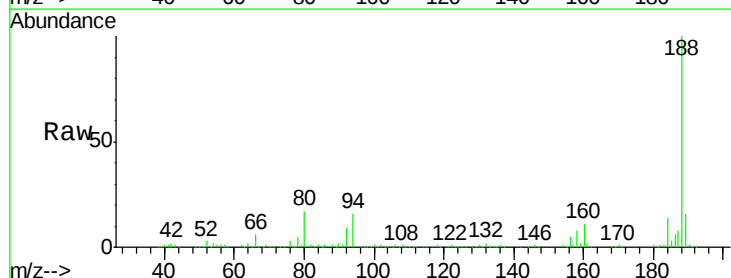
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.06 min
 Lab File: BF093252.D
 Acq: 28 Feb 2017 16:55

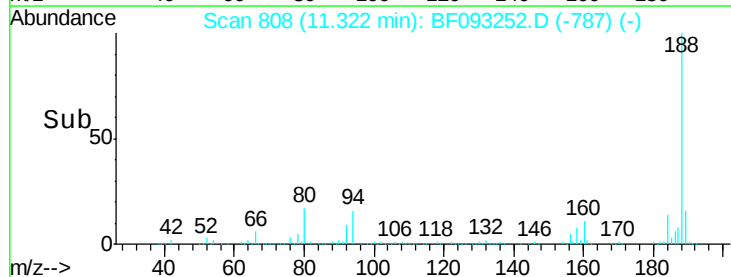
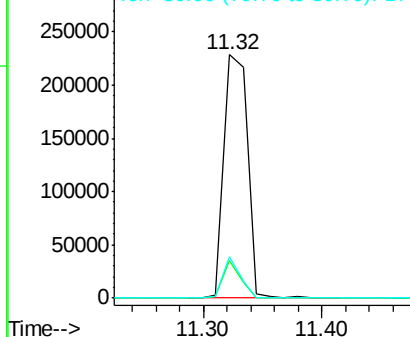
Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.6	10.0	15.0#
80	17.2	11.2	16.8#

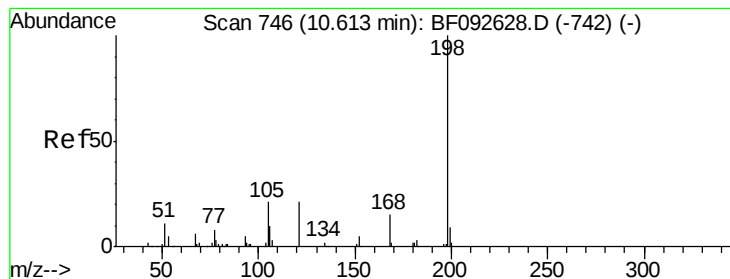


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.82 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

Instrument :

BNA_F

ClientSampled :

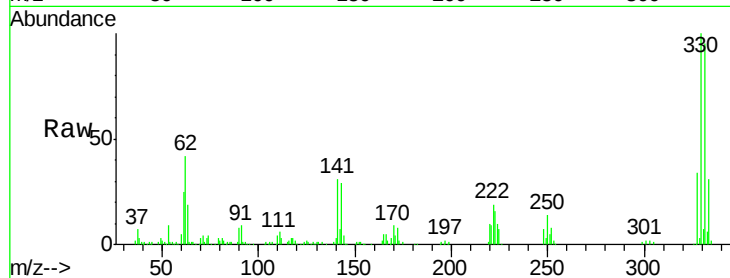
Tot Ion:198 Resp: 297

Ion Ratio Lower Upper

198 100

51 245.7 6.7 46.7#

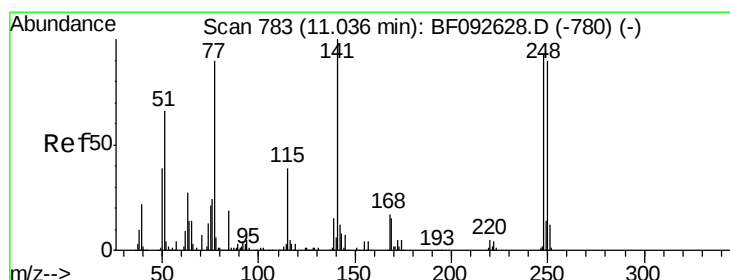
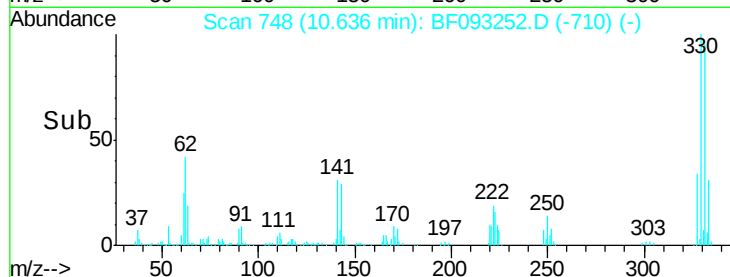
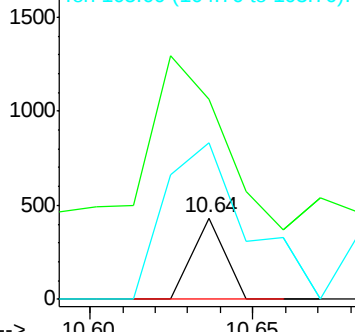
105 191.5 16.6 56.6#



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: 3.53 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

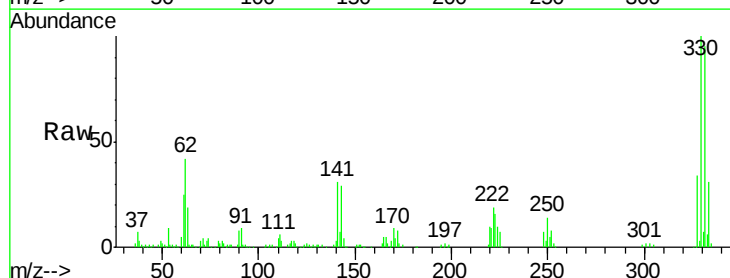
Tgt Ion:248 Resp: 11547

Ion Ratio Lower Upper

248 100

250 198.1 76.9 115.3#

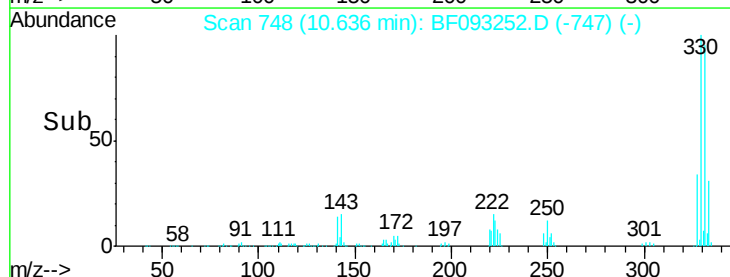
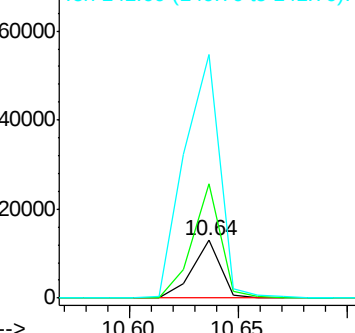
141 422.9 68.2 102.4#

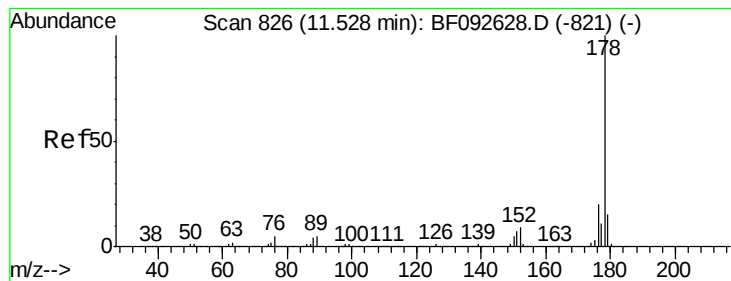


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.15 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

Instrument :

BNA_F

ClientSampleId :

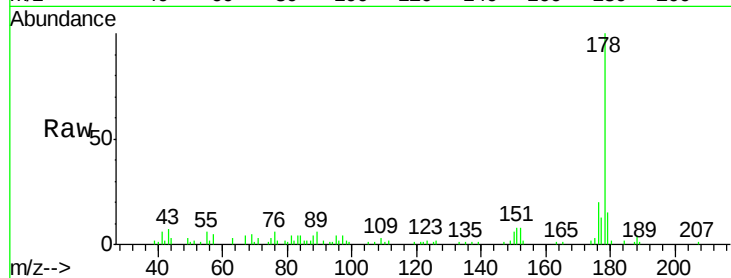
Tot Ion:178 Resp: 38570

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

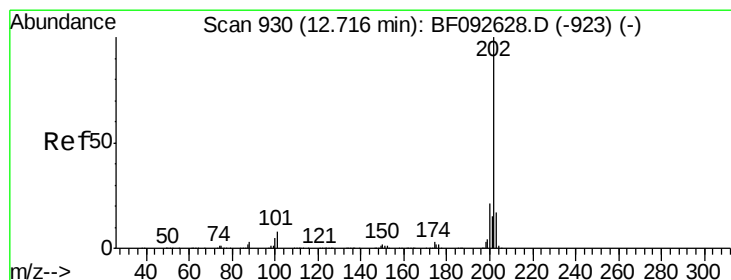
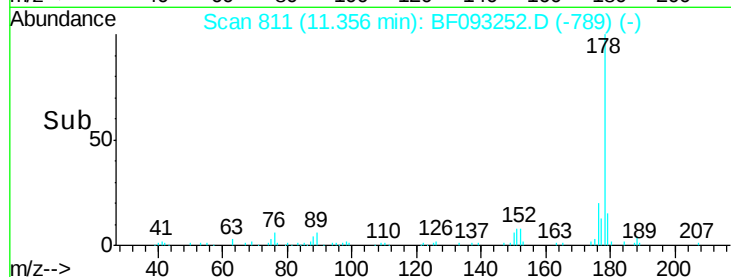
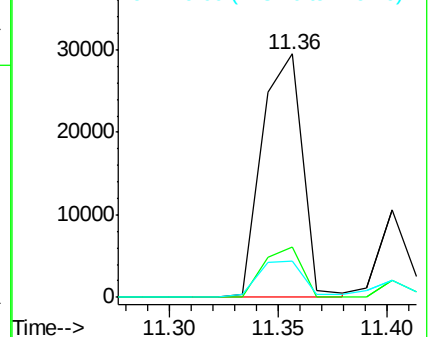
179 14.9 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.38 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

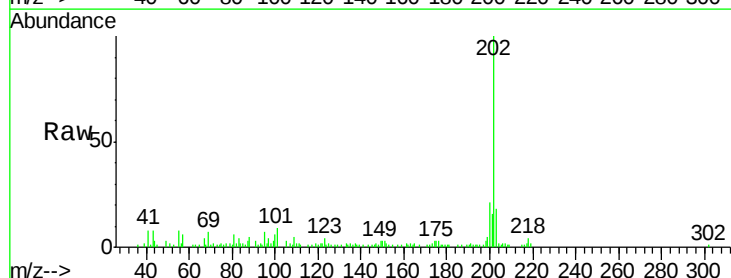
Tgt Ion:202 Resp: 44100

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.6

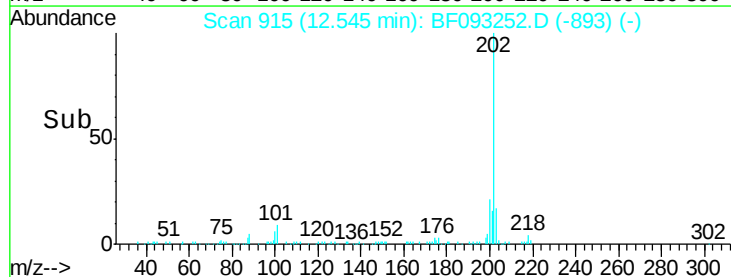
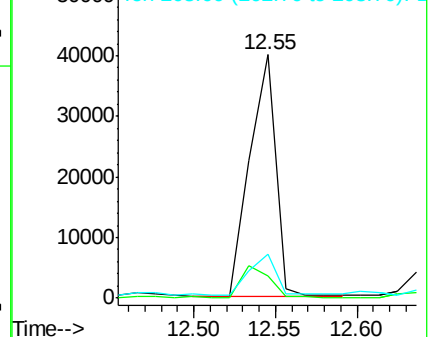
203 18.0 0.0 38.7

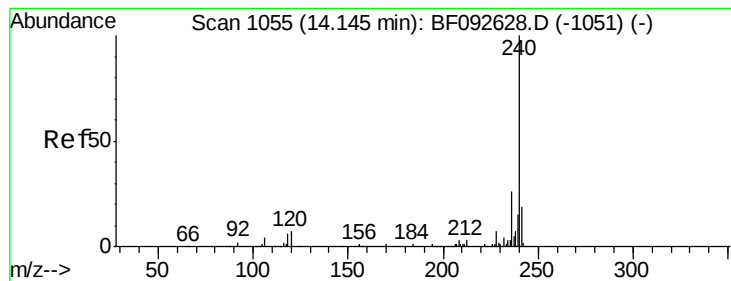


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

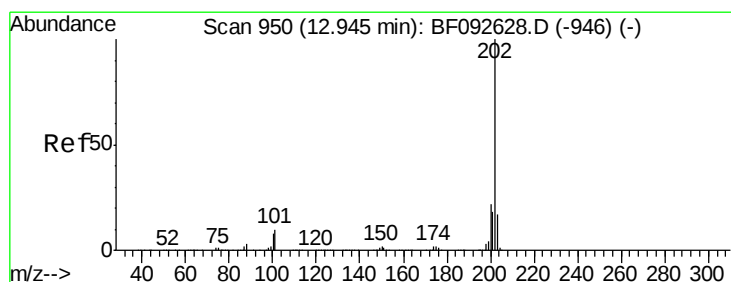
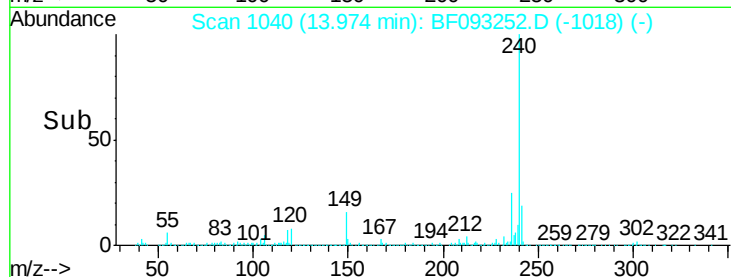
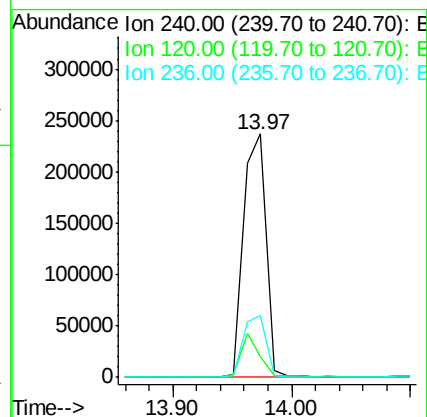
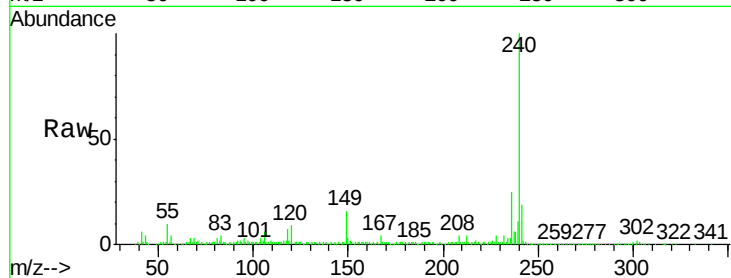




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

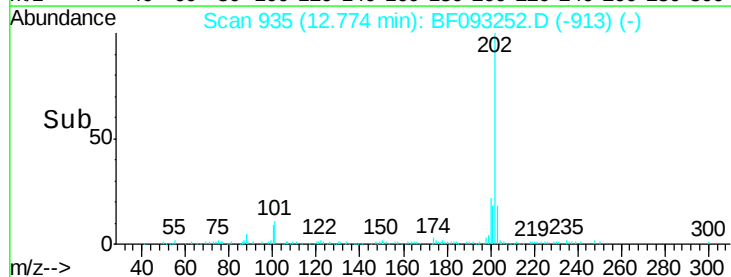
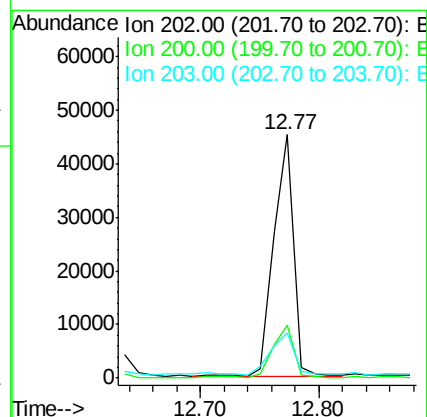
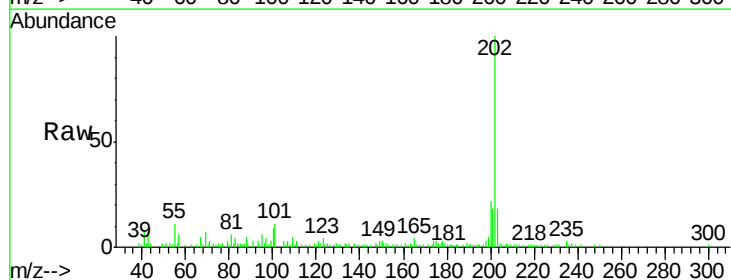
Instrument :
BNA_F
ClientSampleId :

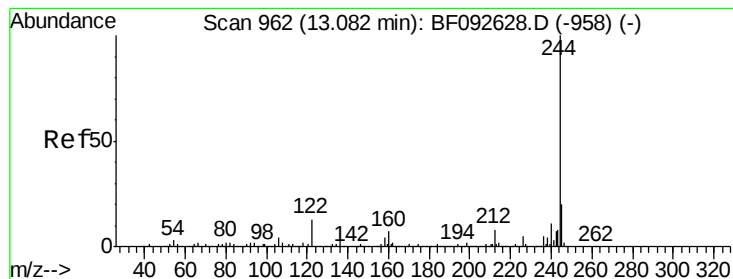
Tot Ion:240 Resp: 313081
Ion Ratio Lower Upper
240 100
120 8.5 12.9 19.3#
236 25.4 20.9 31.3



#77
Pyrene
Concen: 2.26 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion:202 Resp: 52938
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.5 14.7 22.1





#78

Terphenyl-d14

Concen: 46.50 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

Instrument :

BNA_F

ClientSampleId :

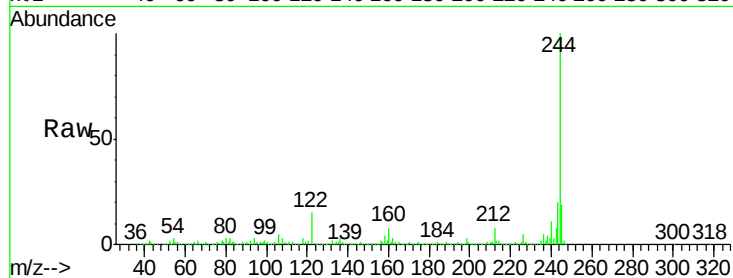
Tot Ion:244 Resp: 619533

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

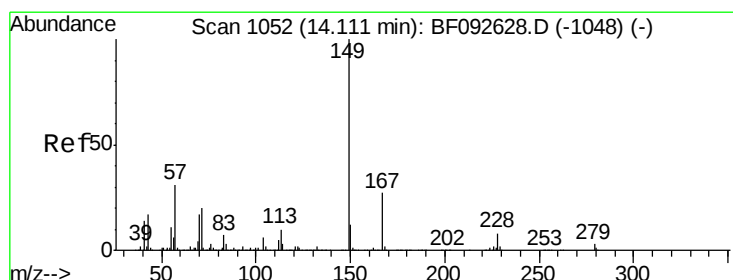
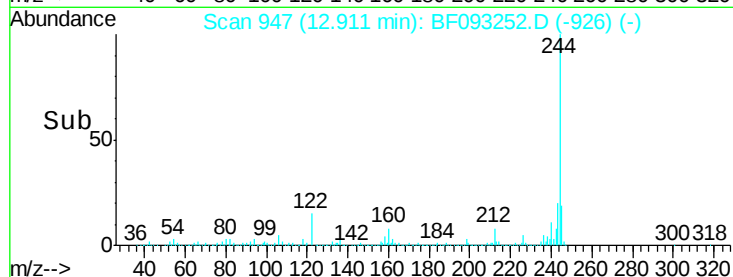
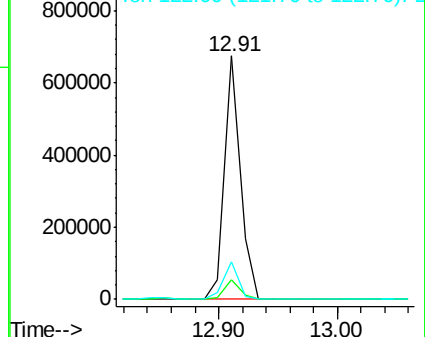
122 15.3 11.4 17.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.66 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

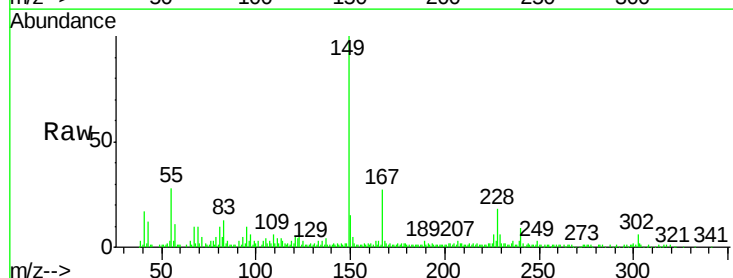
Tgt Ion:149 Resp: 86716

Ion Ratio Lower Upper

149 100

167 27.1 20.2 30.4

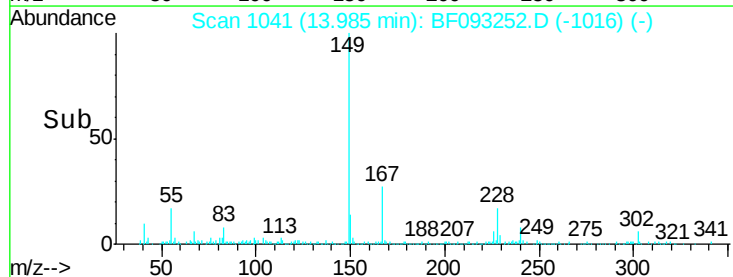
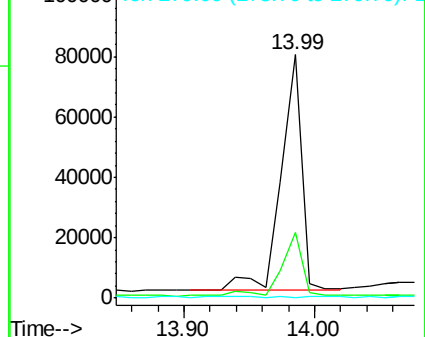
279 0.0 1.8 2.8#

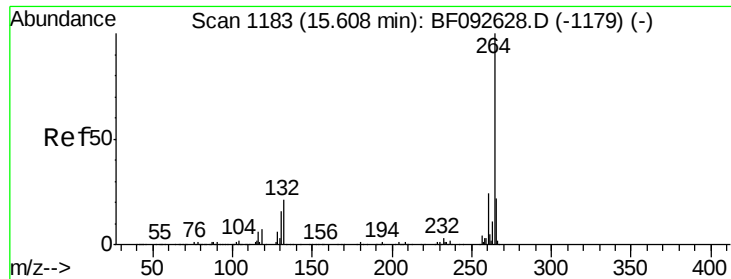


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

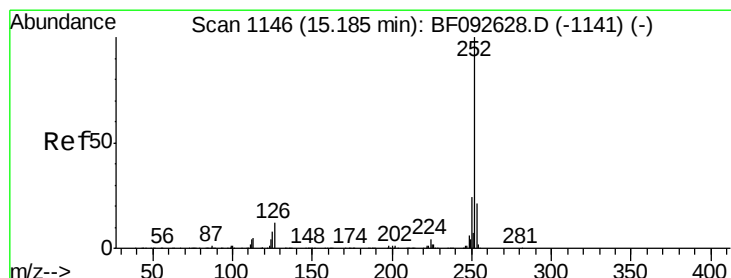
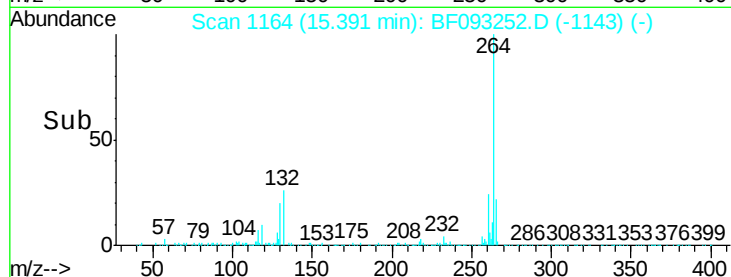
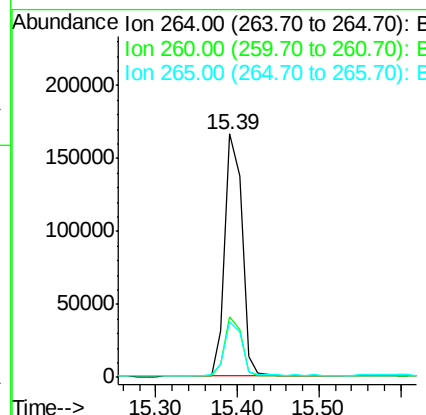
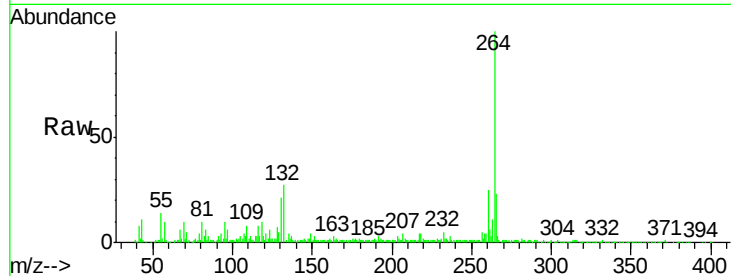




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

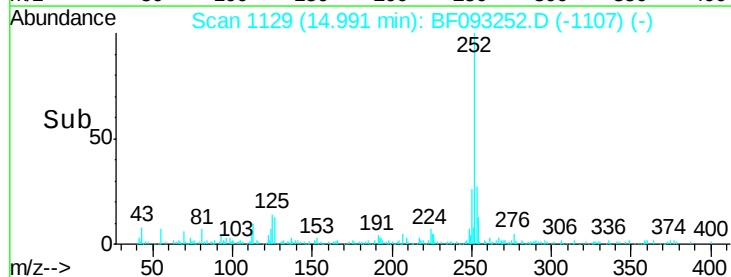
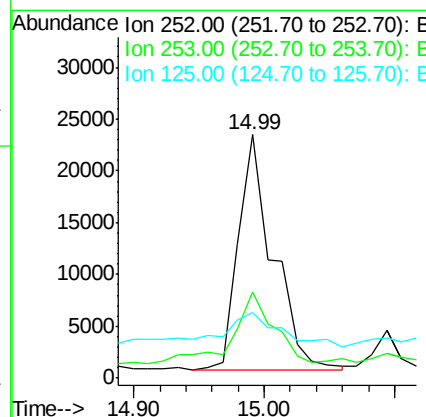
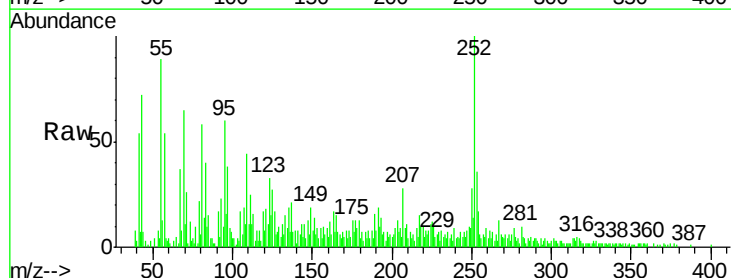
Instrument :
BNA_F
ClientSampleId :

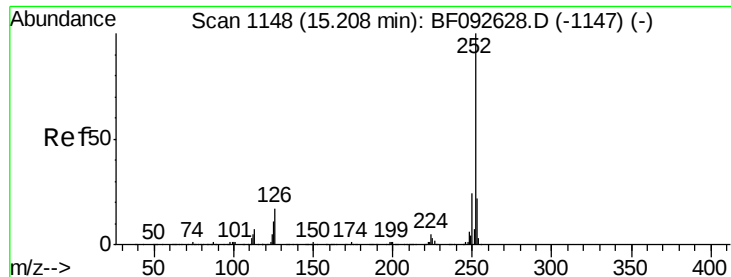
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.9	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 2.61 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093252.D
Acq: 28 Feb 2017 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.5	18.2	27.4#
125	27.0	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 3.02 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.08 min

Lab File: BF093252.D

Acq: 28 Feb 2017 16:55

Instrument :

BNA_F

ClientSampleId :

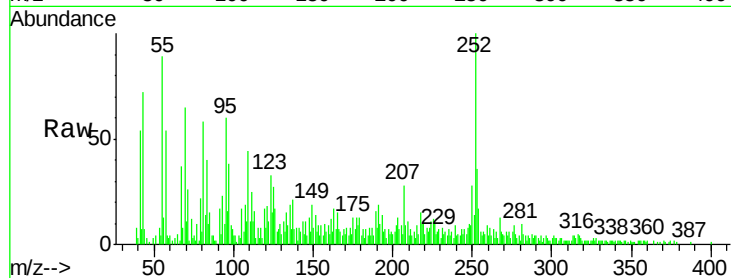
Tot Ion: 252 Resp: 41690

Ion Ratio Lower Upper

252 100

253 35.5 18.5 27.7#

125 27.0 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

