

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093240.D
 Acq On : 28 Feb 2017 11:23
 Operator : SJ/MA
 Sample : I1998-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 13:04:53 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

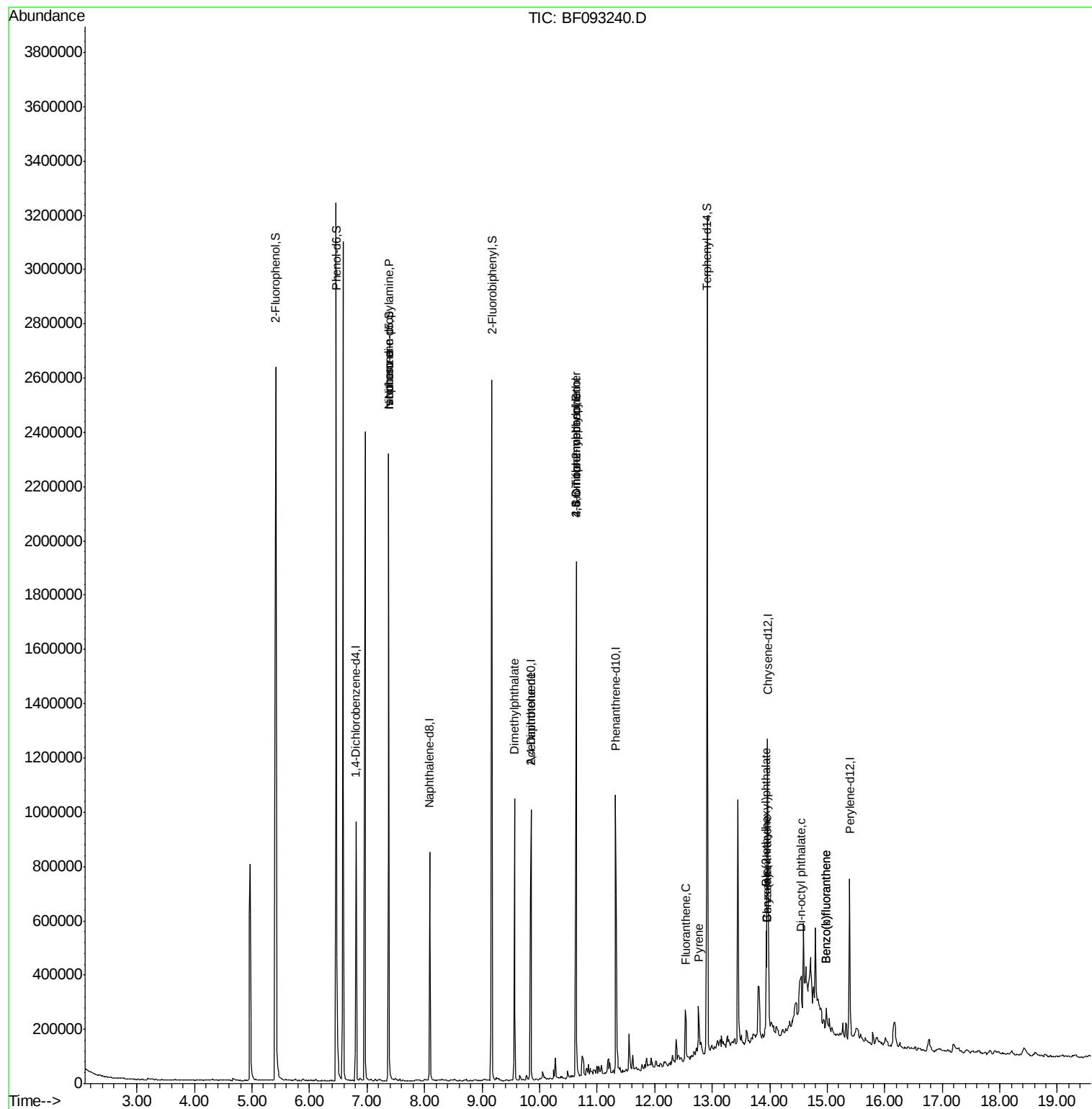
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	133406	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	503796	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	251331	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	467640	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	395525	20.00	ng	-0.06
86) Perylene-d12	15.39	264	290937	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	918077	118.07	ng	-0.03
7) Phenol-d6	6.46	99	1219090	121.85	ng	-0.02
23) Nitrobenzene-d5	7.38	82	781549	86.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	211418	116.31	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1264805	91.17	ng	-0.05
78) Terphenyl-d14	12.91	244	1172533	69.66	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	102578	16.11	ng	# 80
25) Isophorone	7.38	82	779190	46.22	ng	# 65
49) Dimethylphthalate	9.56	163	418316	24.71	ng	98
56) 2,4-Dinitrotoluene	9.85	165	32512	6.68	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.64	198	339	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17001	3.48	ng	# 1
74) Fluoranthene	12.53	202	97259	3.52	ng	95
77) Pyrene	12.76	202	88392	2.99	ng	98
80) Benzo(a)anthracene	13.95	228	48547	2.01	ng	98
82) Chrysene	13.95	228	48547	2.14	ng	94
83) Bis(2-ethylhexyl)phthalate	13.94	149	102512	6.24	ng	99
84) Di-n-octyl phthalate	14.55	149	78435	2.93	ng	# 34
87) Benzo(b)fluoranthene	14.98	252	65042	3.40	ng	# 92
88) Benzo(k)fluoranthene	14.98	252	65042	3.93	ng	# 91

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

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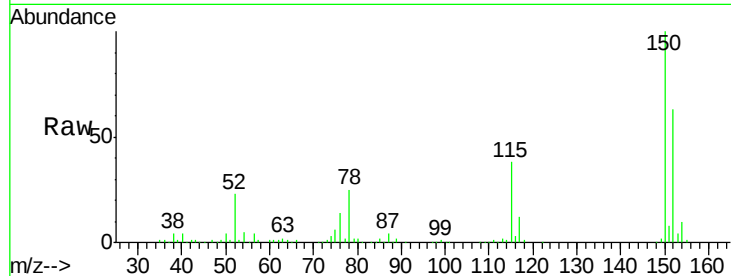


#1

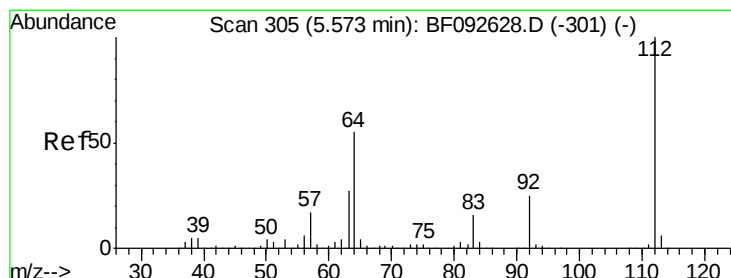
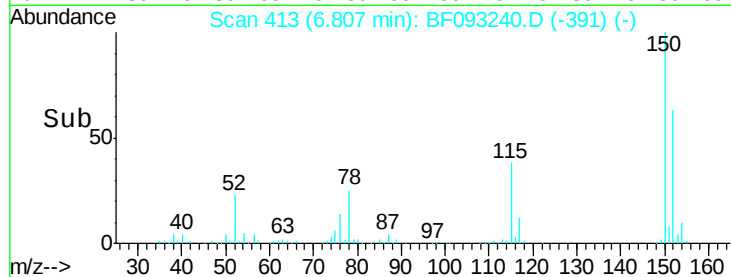
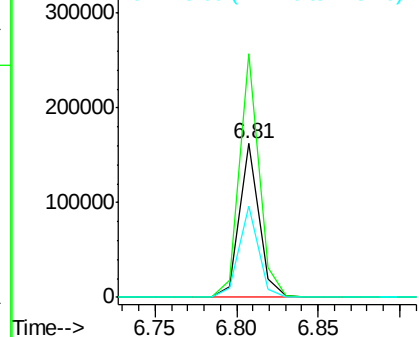
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133406
Ion Ratio Lower Upper
152 100
150 158.5 124.9 187.3
115 59.8 46.0 69.0



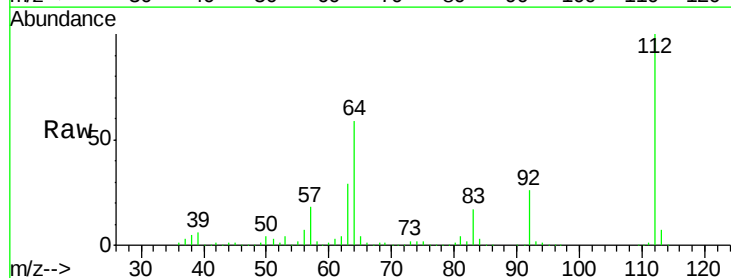
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



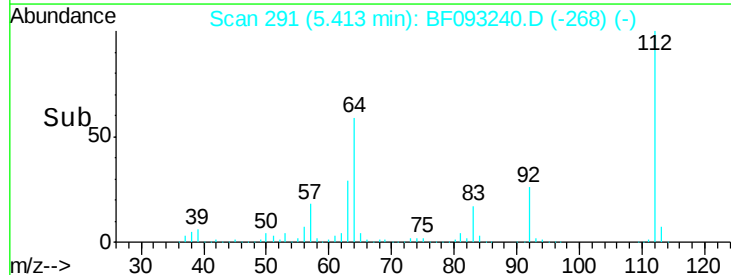
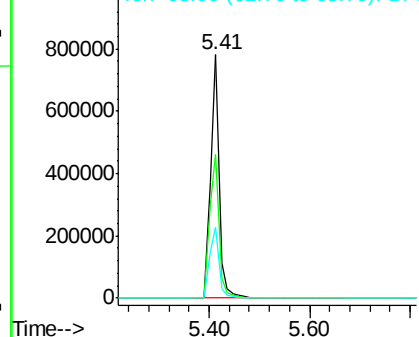
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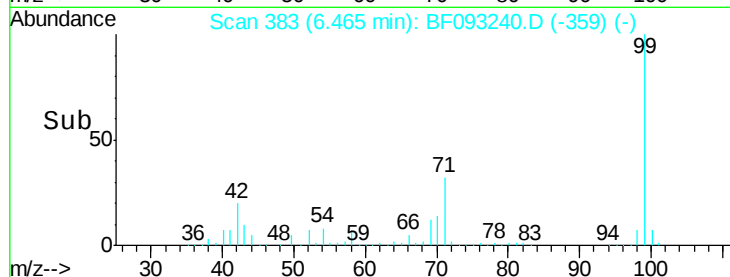
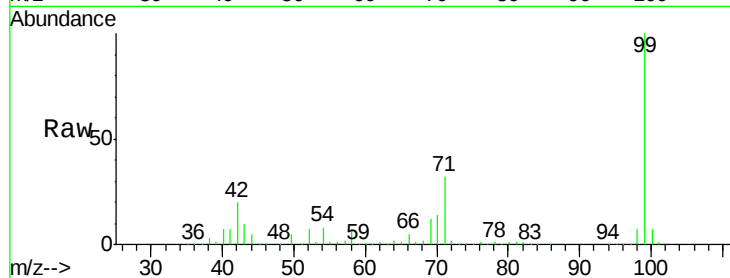
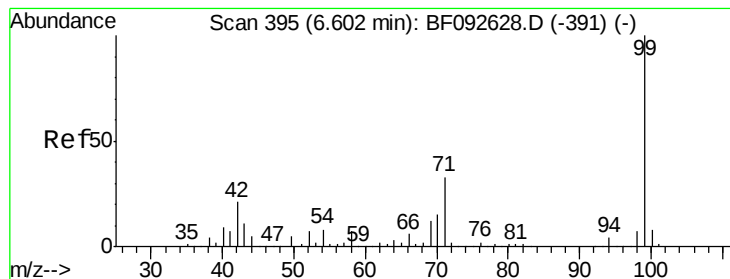
2-Fluorophenol
Concen: 118.07 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Tgt Ion:112 Resp: 918077
Ion Ratio Lower Upper
112 100
64 59.1 46.1 69.1
63 29.3 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: 121.85 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Instrument :

BNA_F

ClientSampled :

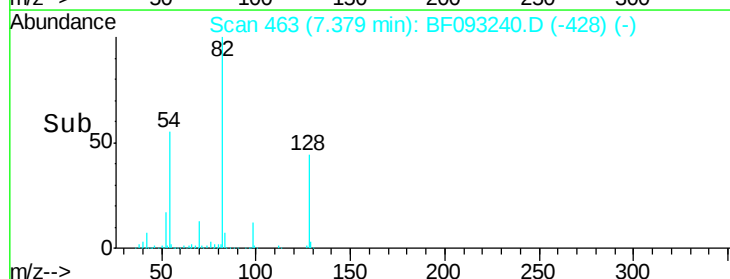
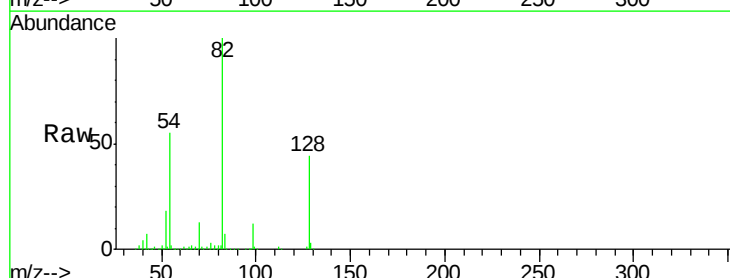
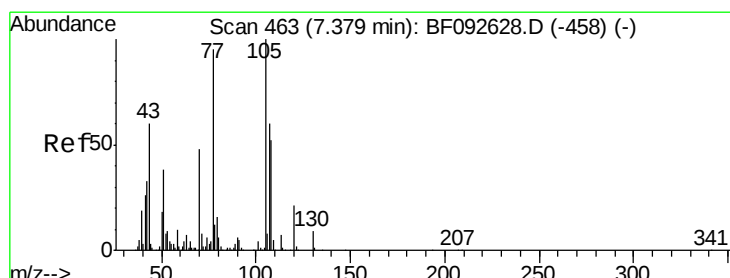
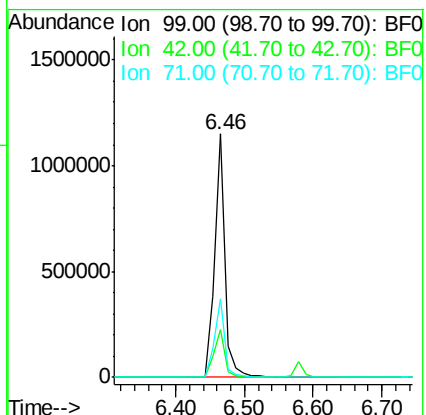
Tot Ion: 99 Resp: 1219090

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

71 32.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.11 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Tgt Ion: 70 Resp: 102578

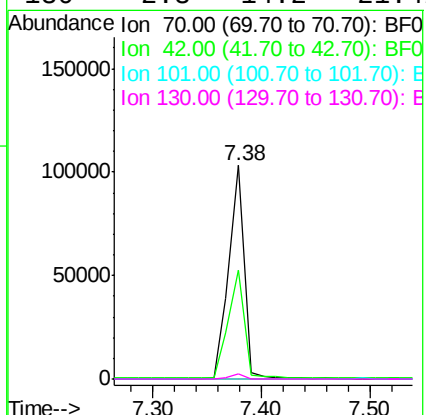
Ion Ratio Lower Upper

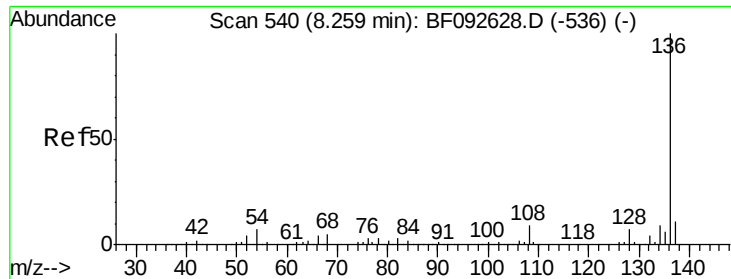
70 100

42 50.7 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

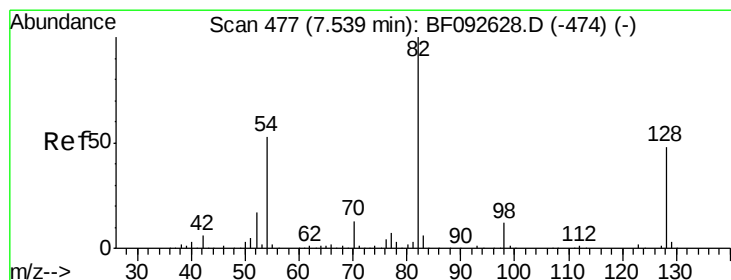
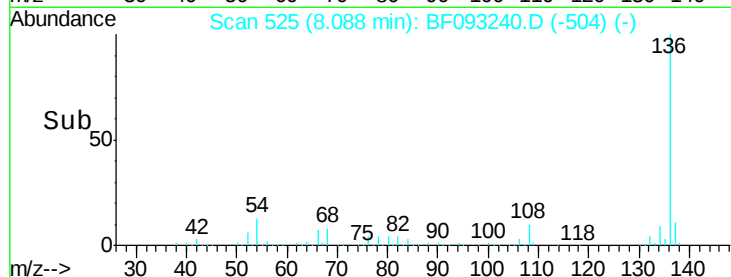
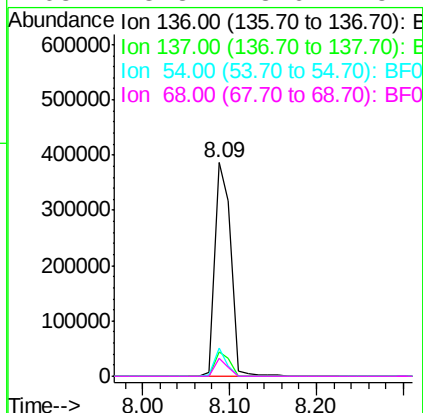
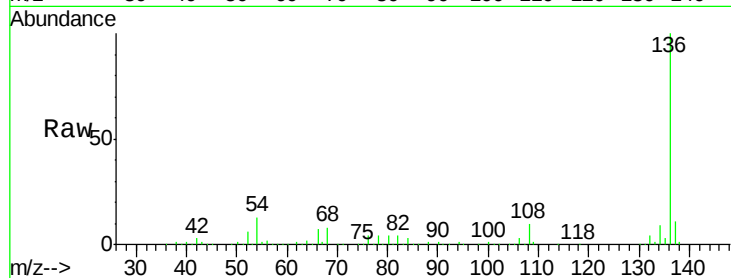




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

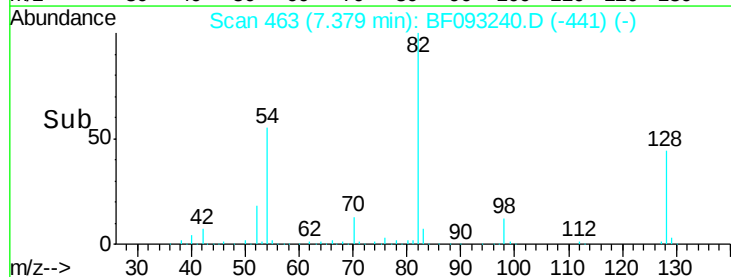
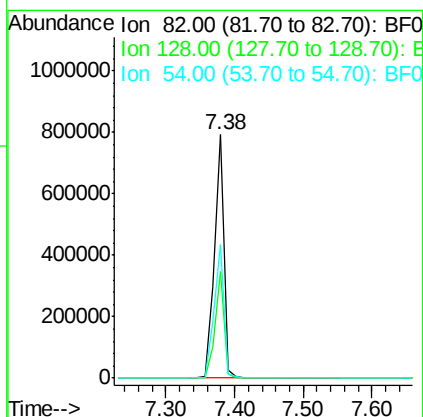
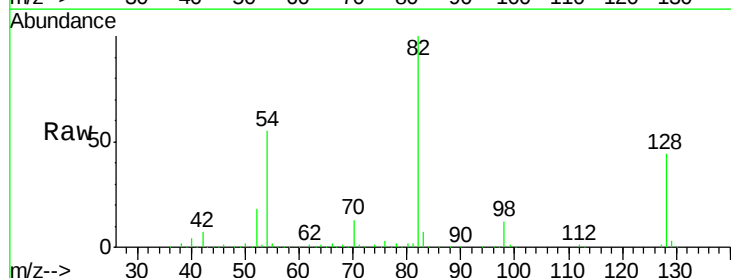
Instrument :
BNA_F
ClientSampleId :

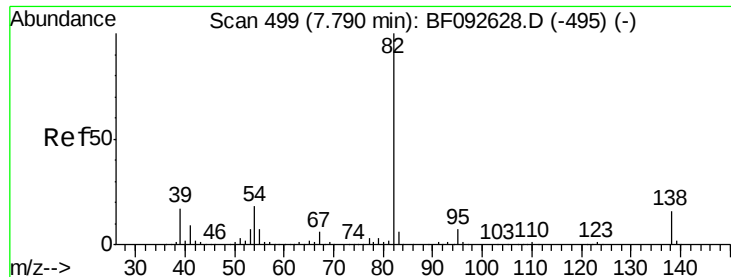
Tot Ion:136	Resp:	503796
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	13.0	4.5 6.7#
68	8.3	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 86.39 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Tgt Ion: 82	Resp:	781549
Ion Ratio	Lower	Upper
82	100	
128	43.6	34.6 52.0
54	55.0	39.5 59.3





#25

Isophorone

Concen: 46.22 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Instrument :

BNA_F

ClientSampled :

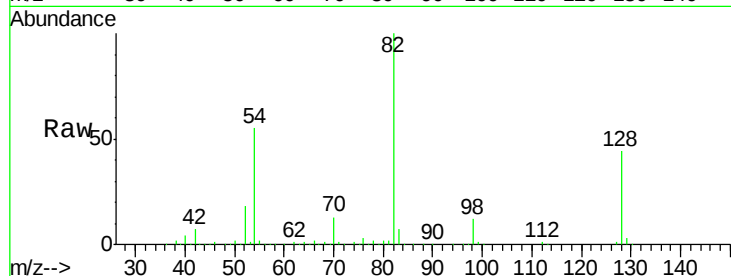
Tot Ion: 82 Resp: 779190

Ion Ratio Lower Upper

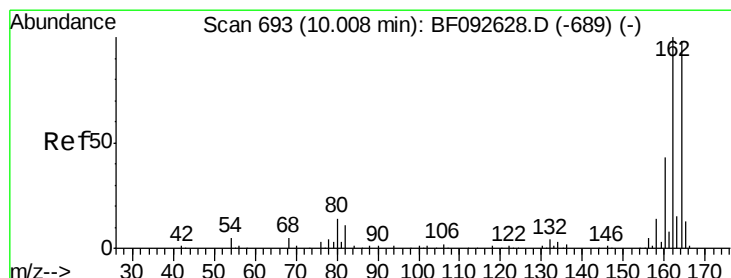
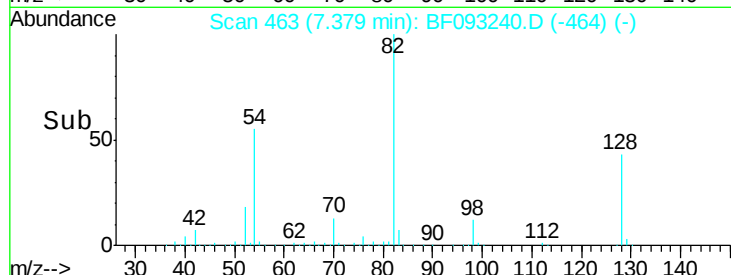
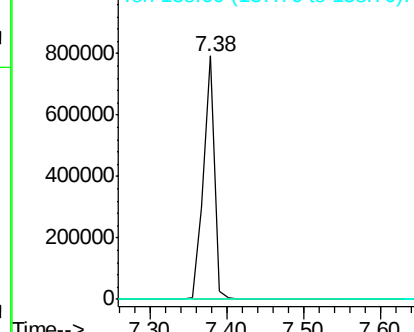
82 100

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: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

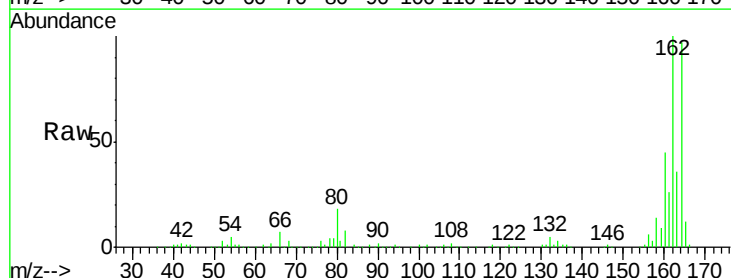
Tgt Ion:164 Resp: 251331

Ion Ratio Lower Upper

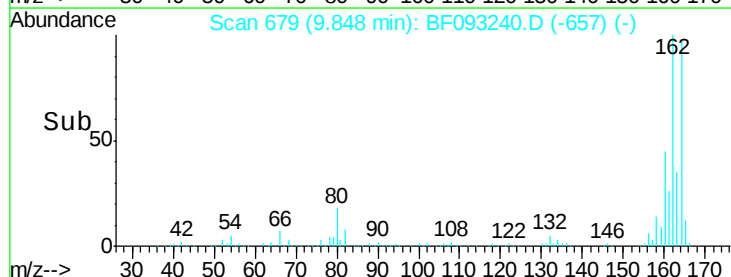
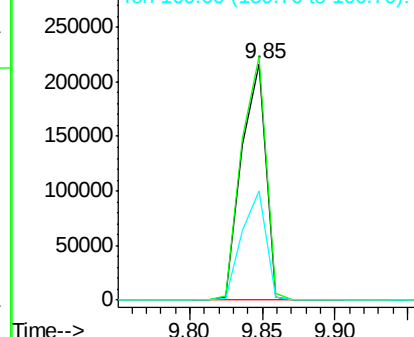
164 100

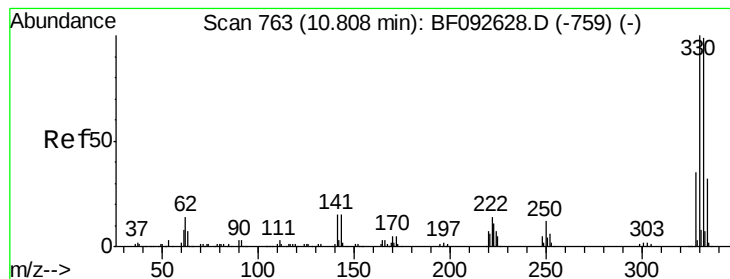
162 103.2 80.2 120.2

160 46.4 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

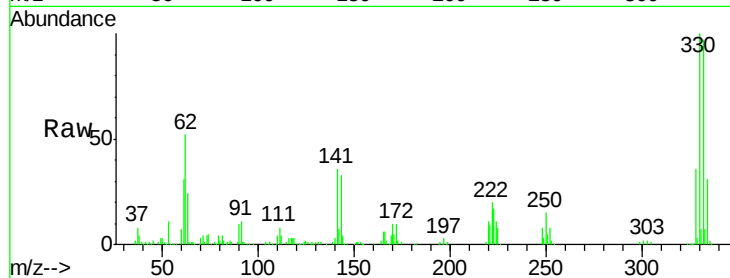




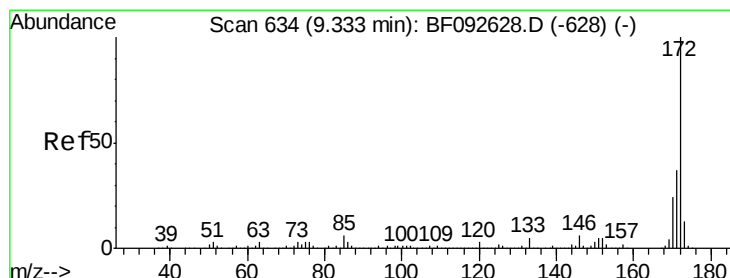
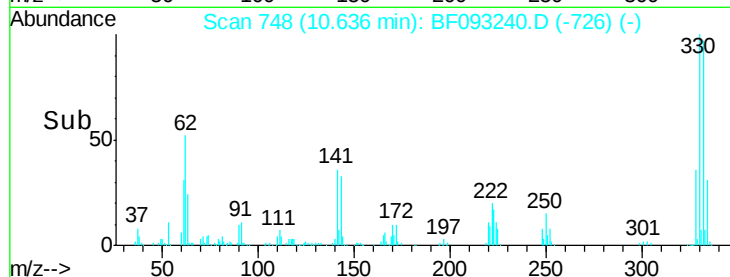
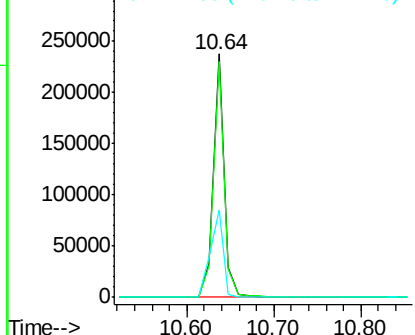
#41
 2,4,6-Tribromophenol
 Concen: 116.31 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 211418
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 42.5 34.1 51.1

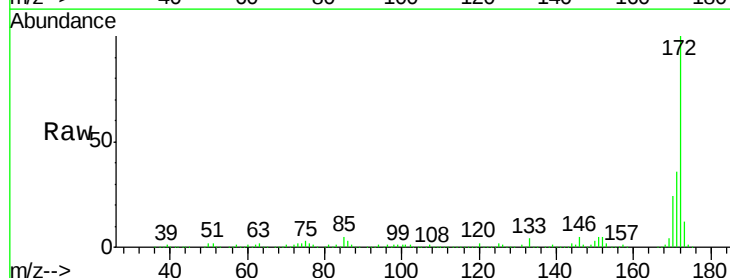


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

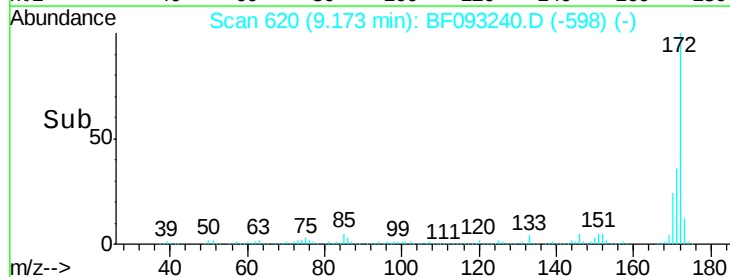
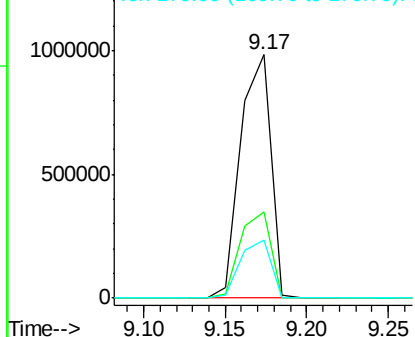


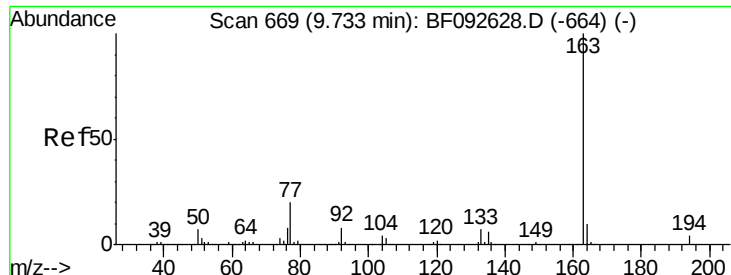
#44
 2-Fluorobiphenyl
 Concen: 91.17 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Tgt Ion:172 Resp: 1264805
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.9 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

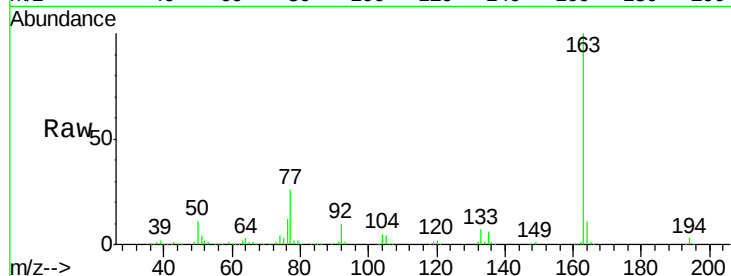




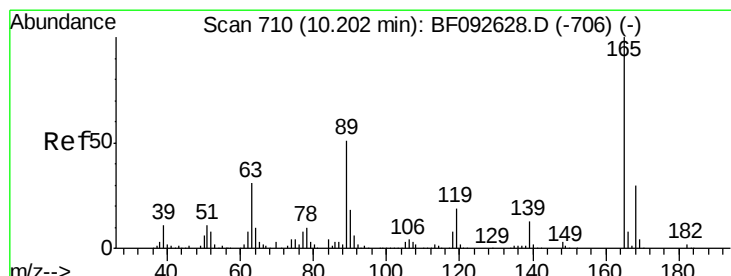
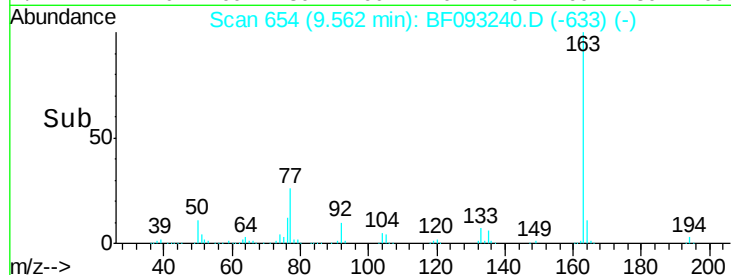
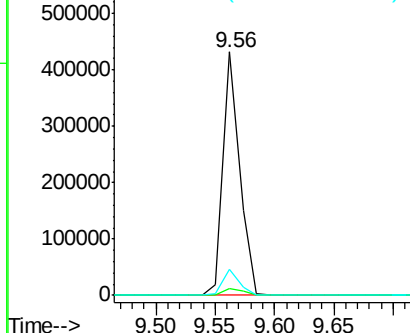
#49
Dimethylphthalate
Concen: 24.71 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 418316
Ion Ratio Lower Upper
163 100
194 3.0 3.0 4.4
164 10.5 8.0 12.0

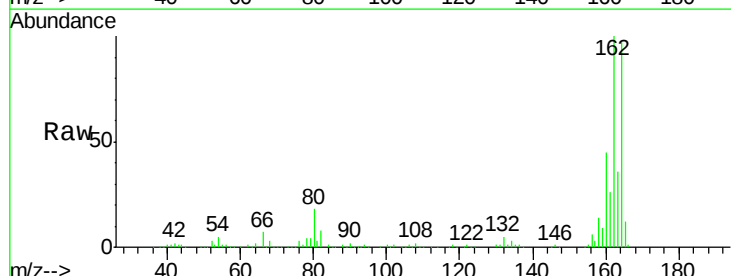


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

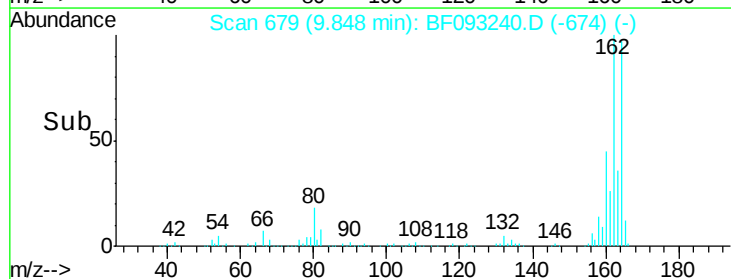
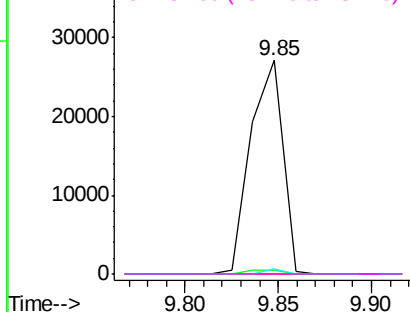


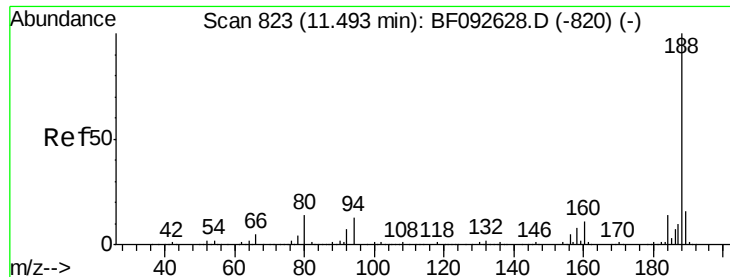
#56
2,4-Dinitrotoluene
Concen: 6.68 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.24 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Tgt Ion:165 Resp: 32512
Ion Ratio Lower Upper
165 100
63 1.9 40.2 60.4#
89 2.2 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

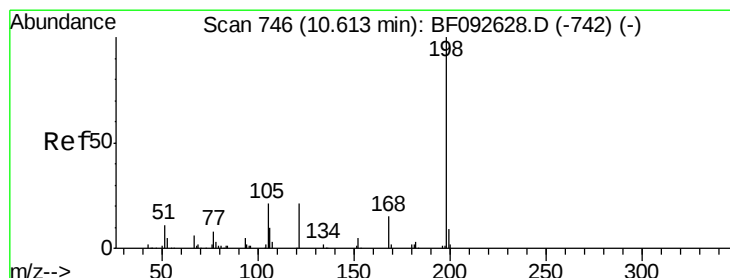
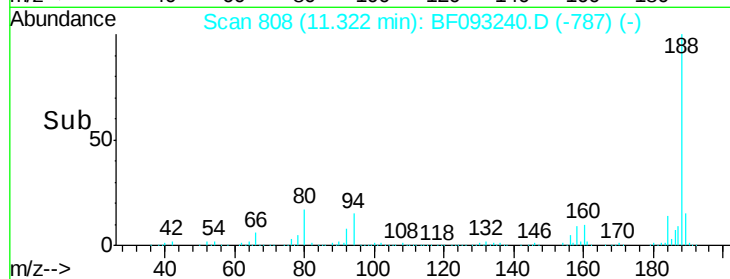
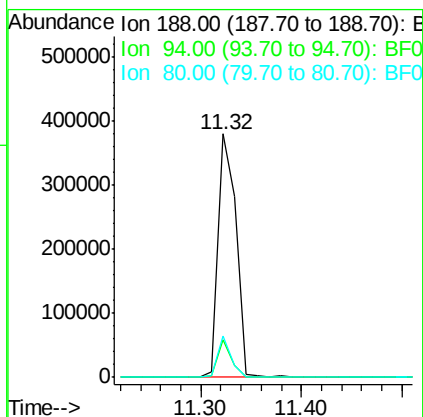
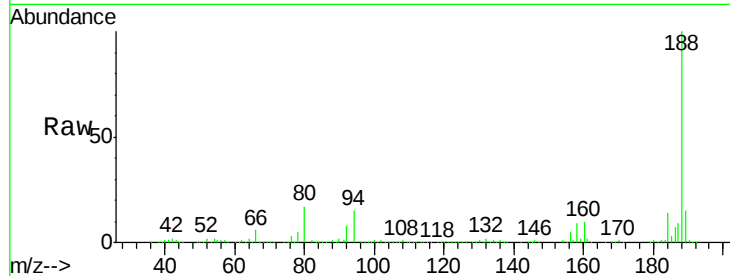




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.06 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

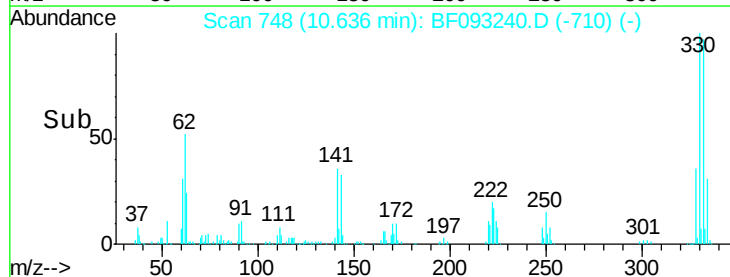
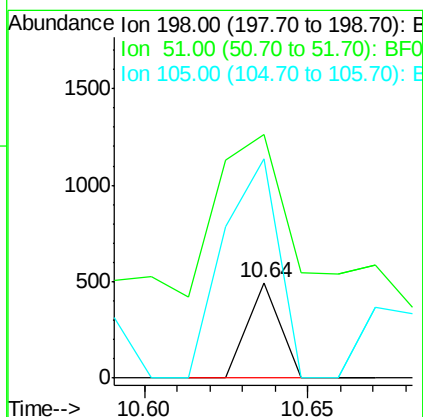
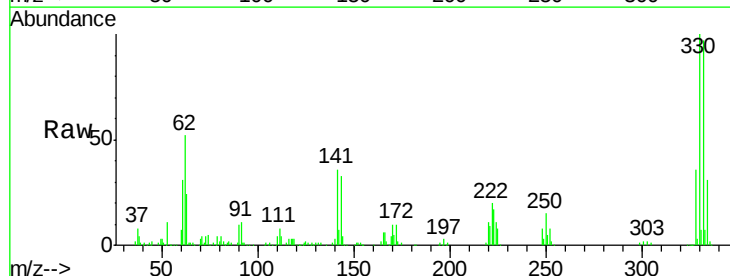
Instrument :
 BNA_F
 ClientSampled :

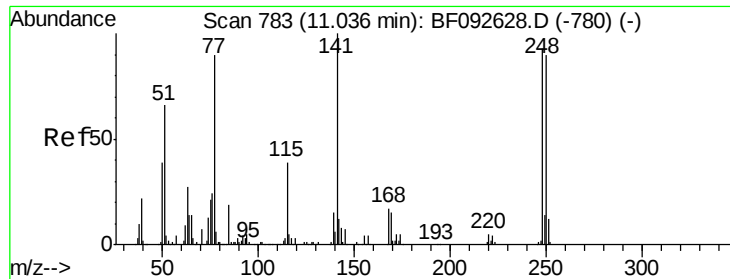
Tot Ion:188 Resp: 467640
 Ion Ratio Lower Upper
 188 100
 94 15.4 10.0 15.0#
 80 17.1 11.2 16.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.78 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.14 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Tgt Ion:198 Resp: 339
 Ion Ratio Lower Upper
 198 100
 51 255.5 6.7 46.7#
 105 230.2 16.6 56.6#

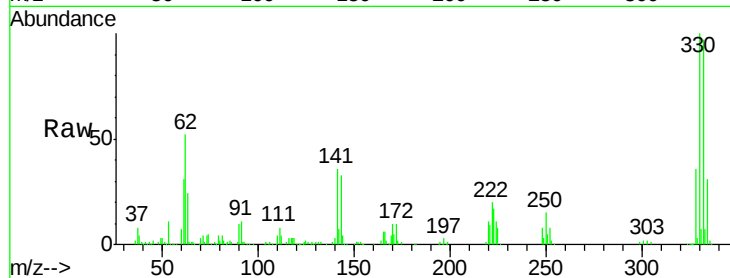




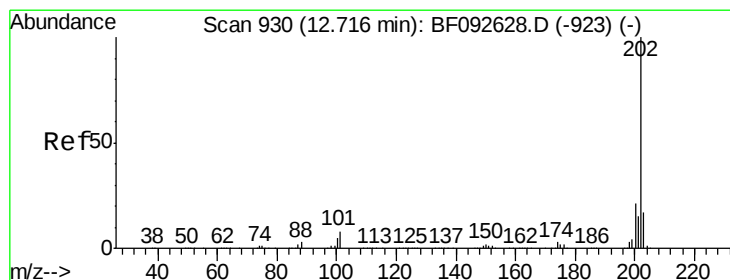
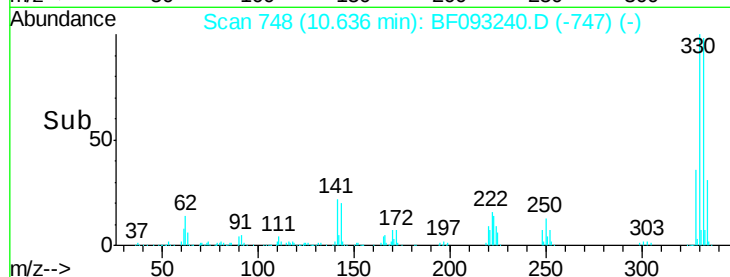
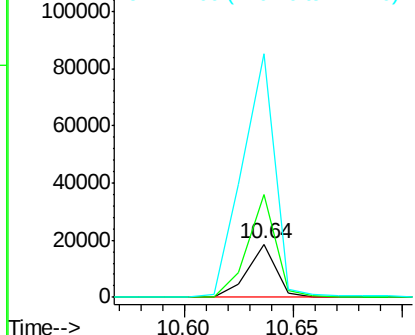
#66
 4-Bromophenyl-phenylether
 Concen: 3.48 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.29 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17001
 Ion Ratio Lower Upper
 248 100
 250 193.4 76.9 115.3#
 141 458.9 68.2 102.4#

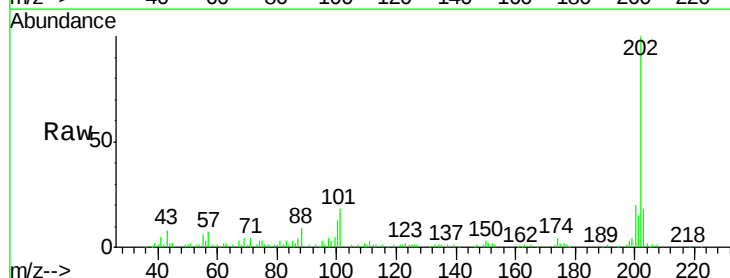


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

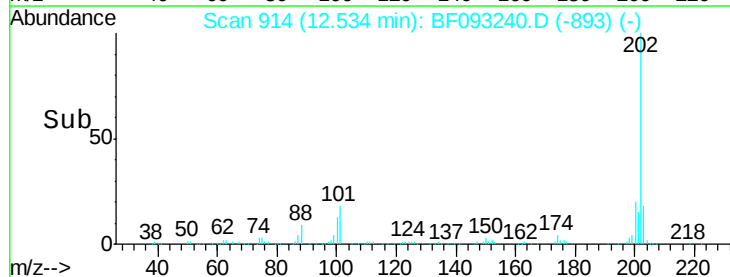
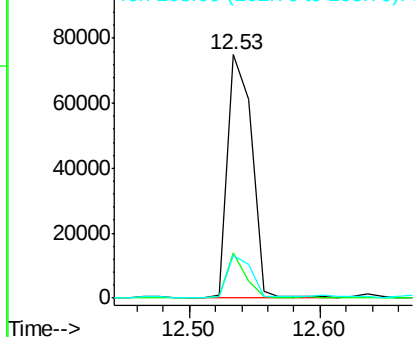


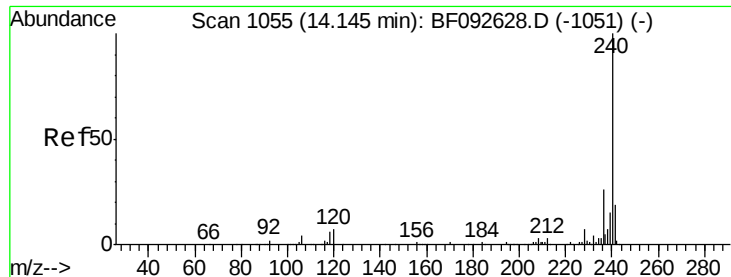
#74
 Fluoranthene
 Concen: 3.52 ng
 RT: 12.53 min Scan# 914
 Delta R.T. -0.06 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Tgt Ion:202 Resp: 97259
 Ion Ratio Lower Upper
 202 100
 101 18.4 0.0 34.6
 203 17.7 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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Instrument :

BNA_F

ClientSampleId :

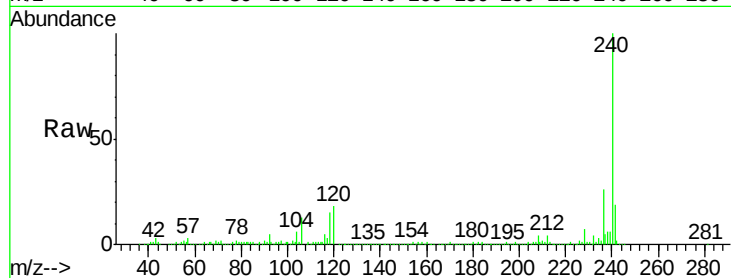
Tot Ion:240 Resp: 395525

Ion Ratio Lower Upper

240 100

120 17.7 12.9 19.3

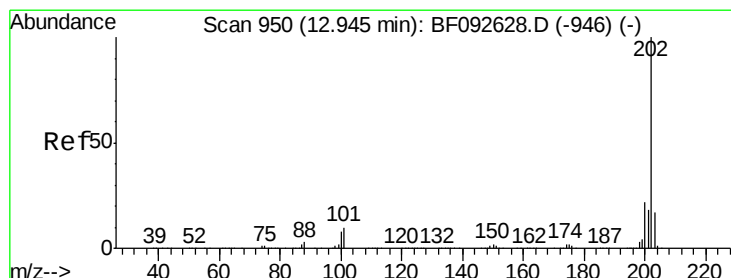
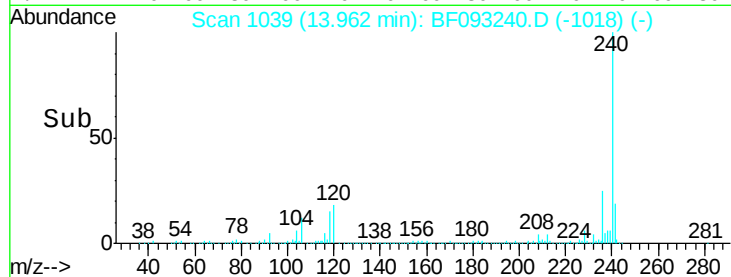
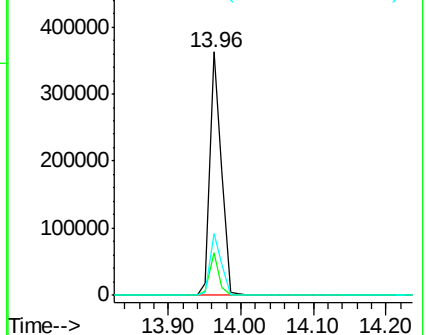
236 25.5 20.9 31.3



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



#77

Pyrene

Concen: 2.99 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

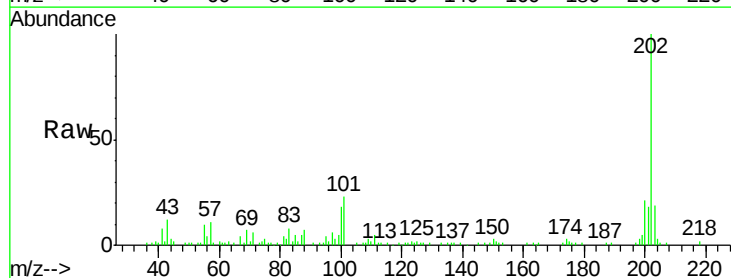
Tgt Ion:202 Resp: 88392

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

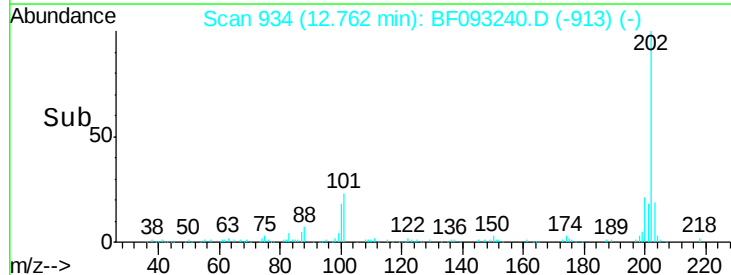
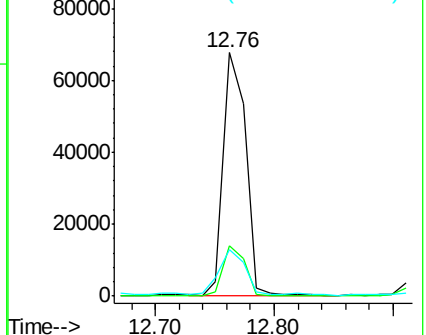
203 18.8 14.7 22.1

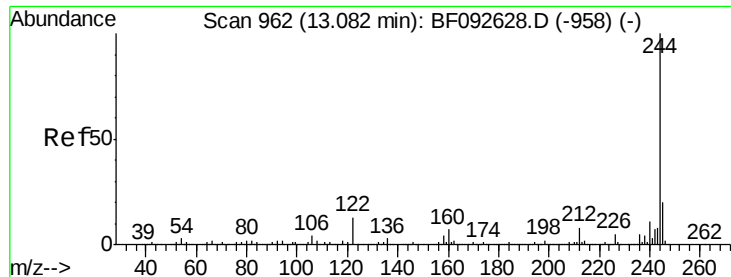


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

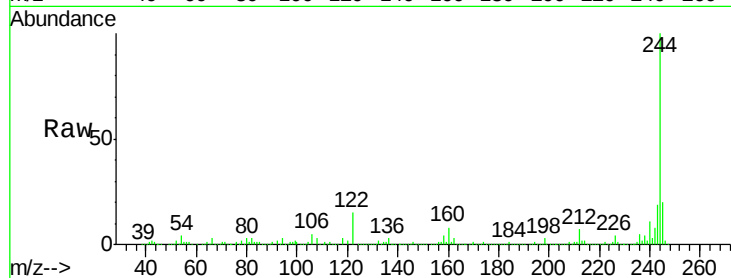




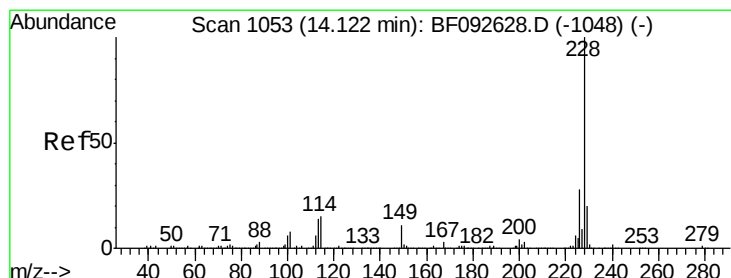
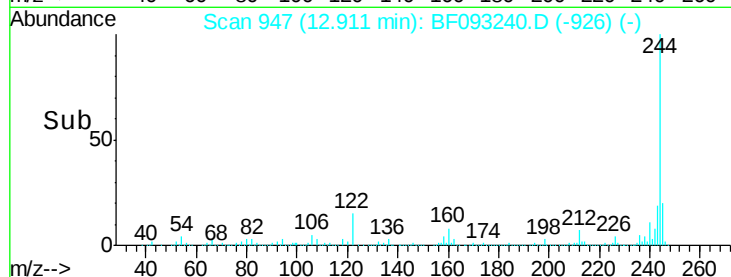
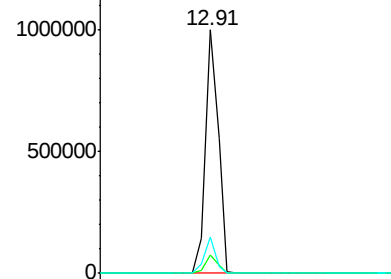
#78
 Terphenyl-d14
 Concen: 69.66 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1172533
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 14.8 11.4 17.2

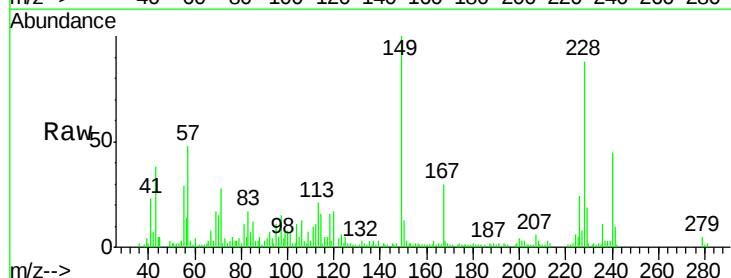


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

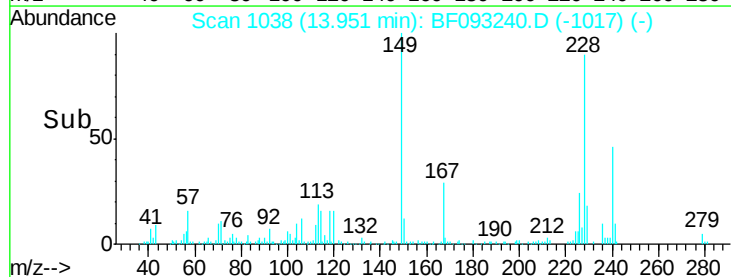
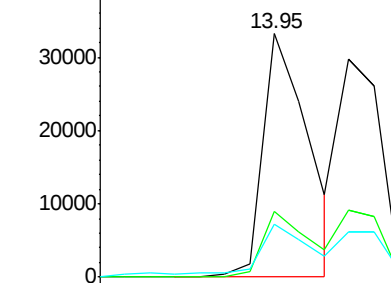


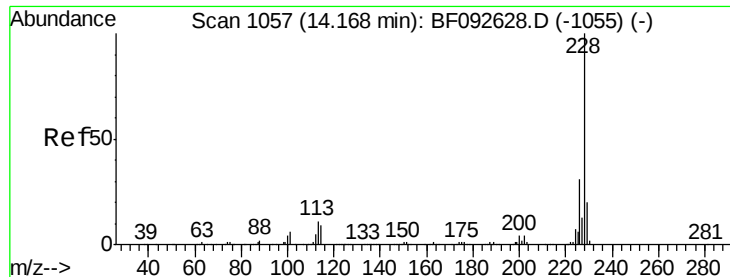
#80
 Benzo(a)anthracene
 Concen: 2.01 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.06 min
 Lab File: BF093240.D
 Acq: 28 Feb 2017 11:23

Tgt Ion:228 Resp: 48547
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.4 33.6
 229 21.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.14 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.09 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Instrument :

BNA_F

ClientSampleId :

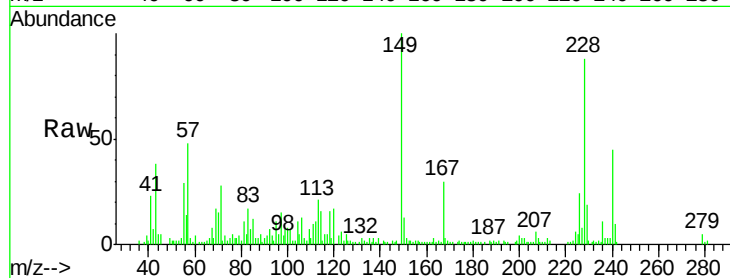
Tot Ion:228 Resp: 48547

Ion Ratio Lower Upper

228 100

226 27.2 25.4 38.0

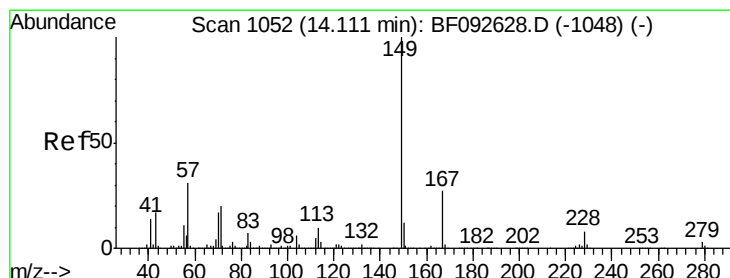
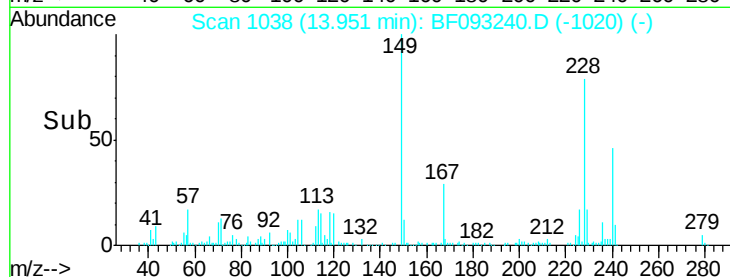
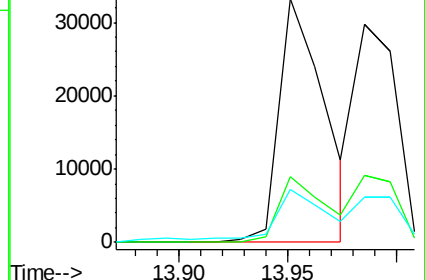
229 21.8 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.24 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

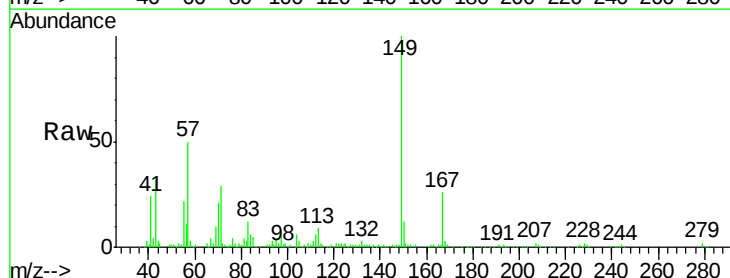
Tgt Ion:149 Resp: 102512

Ion Ratio Lower Upper

149 100

167 26.0 20.2 30.4

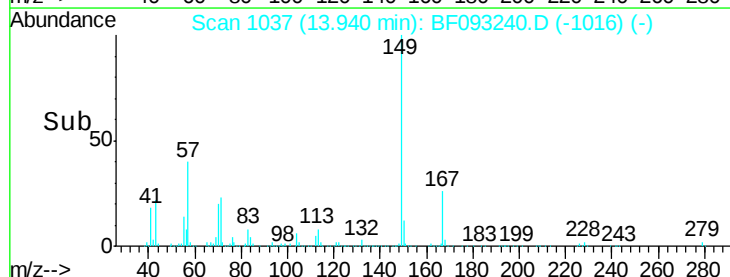
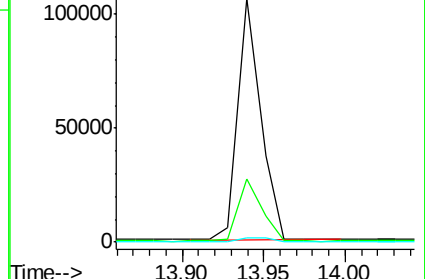
279 1.8 1.8 2.8

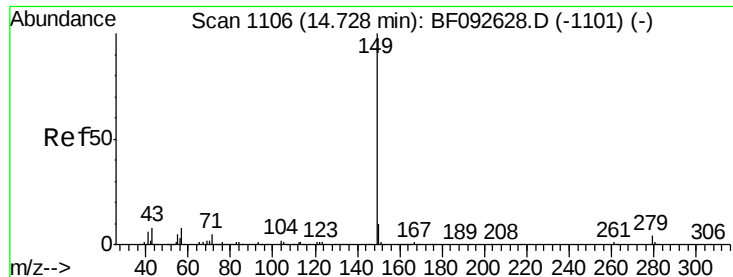


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 2.93 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.06 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

Instrument :

BNA_F

ClientSampleId :

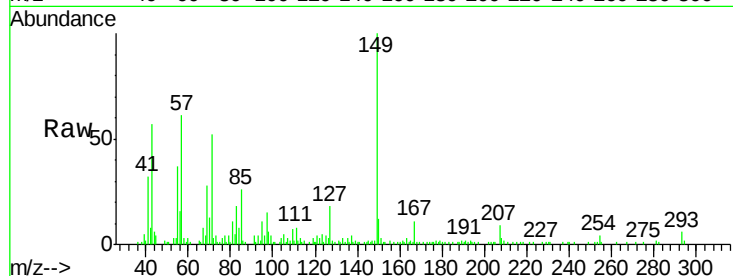
Tot Ion:149 Resp: 78435

Ion Ratio Lower Upper

149 100

167 7.2 1.3 1.9#

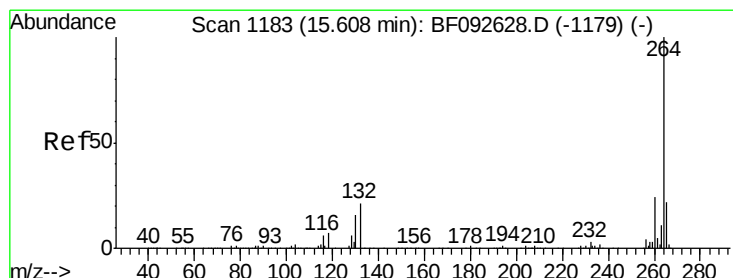
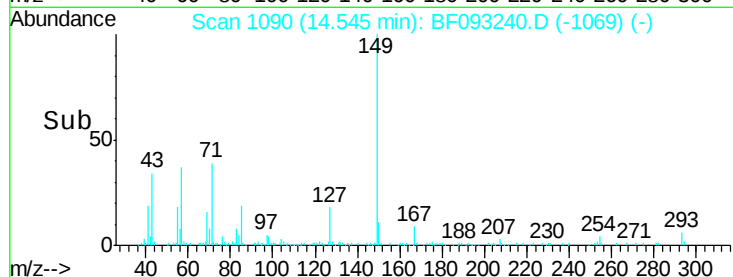
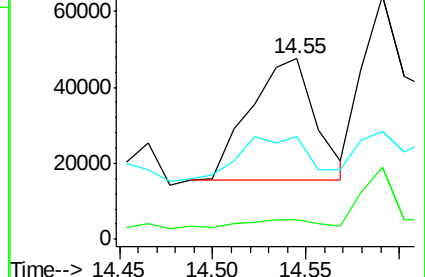
43 38.8 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF093240.D

Acq: 28 Feb 2017 11:23

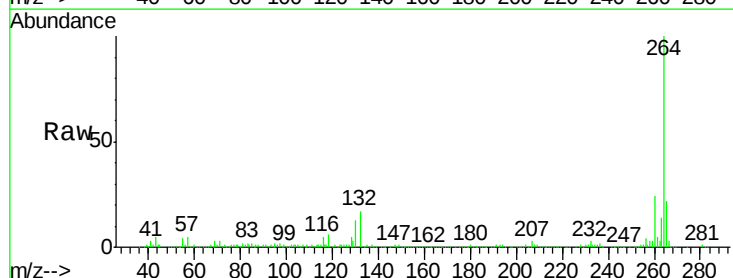
Tgt Ion:264 Resp: 290937

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

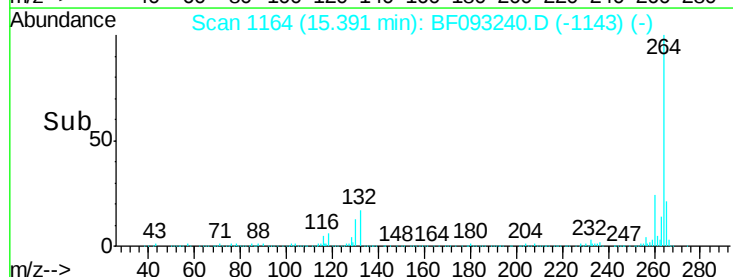
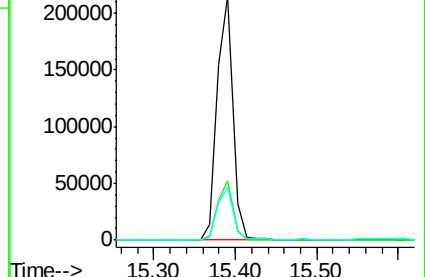
265 21.5 17.4 26.0

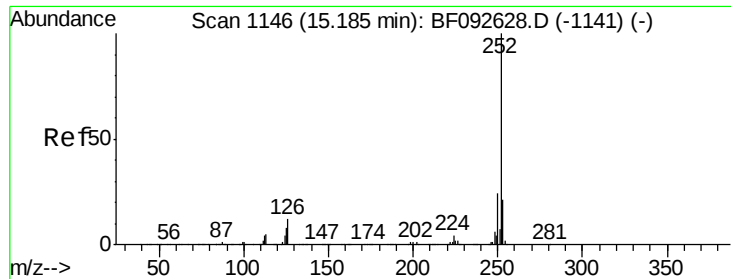


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

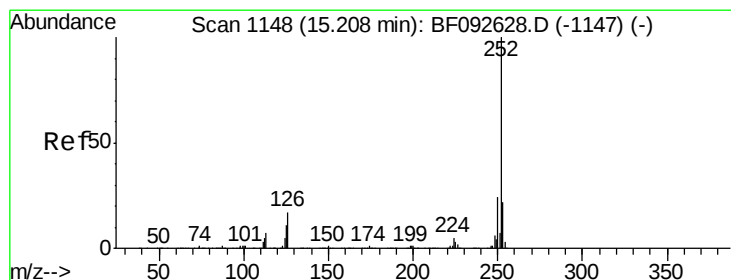
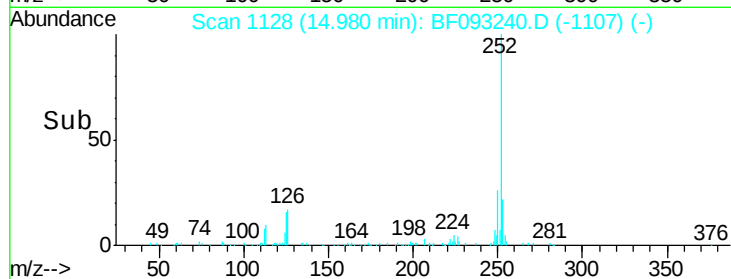
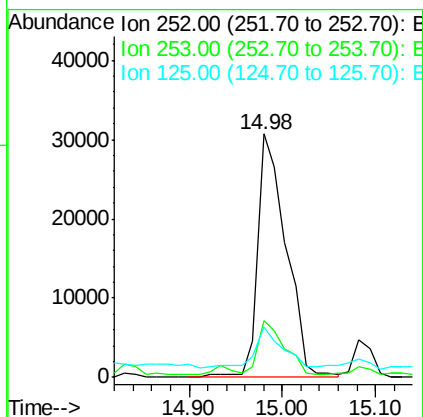
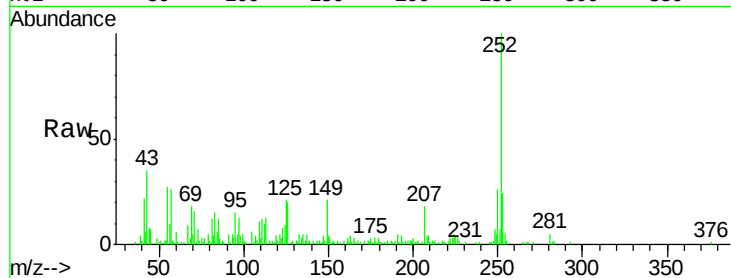




#87
Benzo(b)fluoranthene
Concen: 3.40 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.06 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 65042
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 20.6 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 3.93 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.09 min
Lab File: BF093240.D
Acq: 28 Feb 2017 11:23

Tgt Ion:252 Resp: 65042
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 20.6 8.9 13.3#

