

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092244.D
 Acq On : 13 Jan 2017 12:49
 Operator : UM/SJ
 Sample : I1131-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-002

Quant Time: Jan 13 17:53:41 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	212761	20.00	ng	-0.05
21) Naphthalene-d8	7.87	136	738558	20.00	ng	-0.07
38) Acenaphthene-d10	9.62	164	369037	20.00	ng	-0.07
63) Phenanthrene-d10	11.09	188	652777	20.00	ng	-0.07
75) Chrysene-d12	13.72	240	453356	20.00	ng	-0.07
86) Perylene-d12	15.08	264	448105	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	2006332	157.46	ng	-0.05
7) Phenol-d6	6.26	99	2120750	136.32	ng	-0.05
23) Nitrobenzene-d5	7.16	82	1285613	96.79	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	474536	155.38	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1853594	106.12	ng	-0.05
78) Terphenyl-d14	12.69	244	1640062	87.74	ng	-0.05

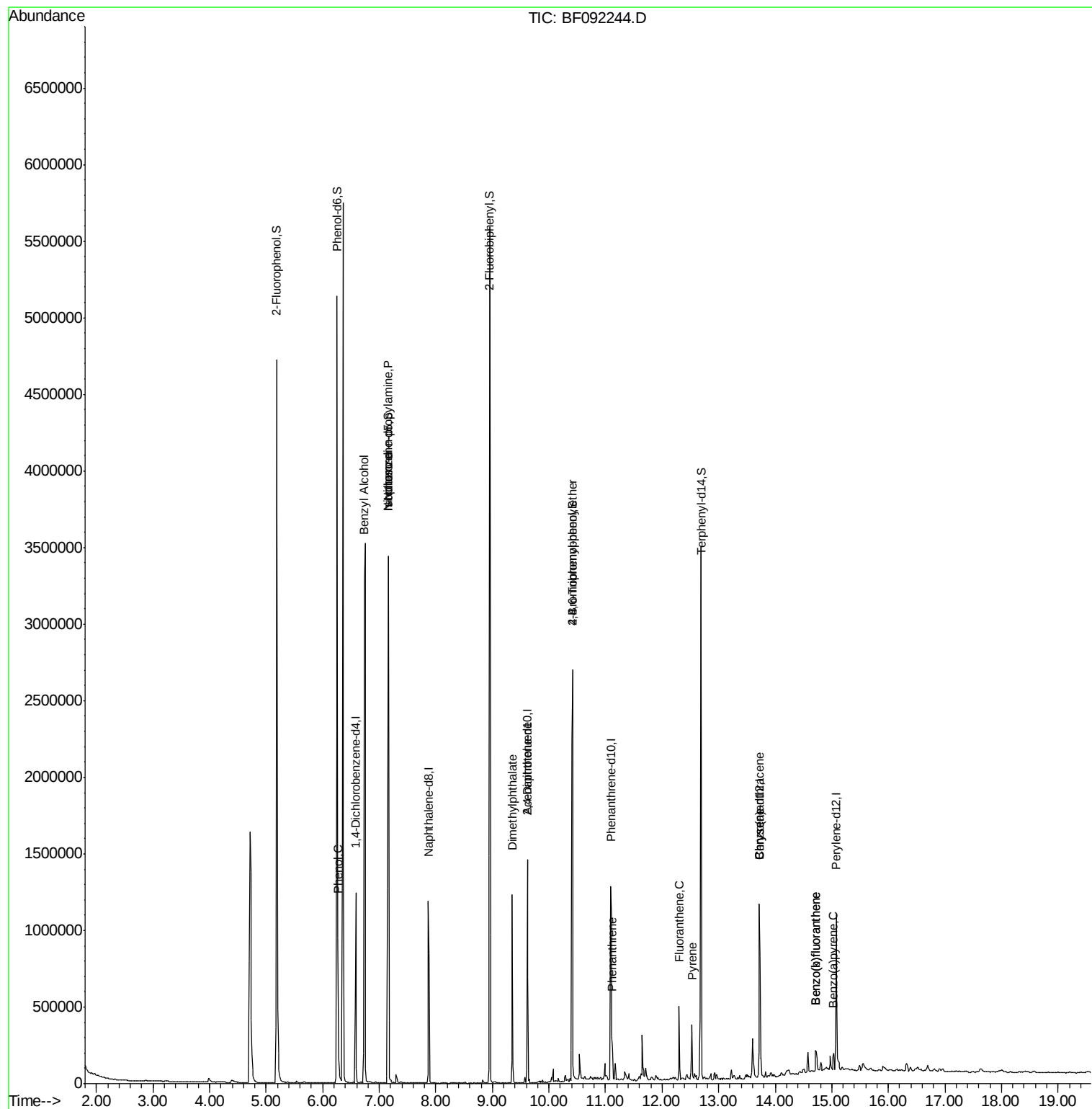
Target Compounds						Qvalue
10) Phenol	6.27	94	49470	2.79	ng	83
15) Benzyl Alcohol	6.74	79	24381	2.02	ng	# 46
19) n-Nitroso-di-n-propylamine	7.16	70	170042	16.43	ng	# 77
25) Isophorone	7.16	82	1275192	52.04	ng	# 65
37) 2-Methylnaphthalene	8.59	142	632	Below Cal	#	81
49) Dimethylphthalate	9.35	163	465303	19.71	ng	99
56) 2,4-Dinitrotoluene	9.62	165	47094	7.26	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	29845	4.40	ng	# 1
70) Phenanthrene	11.11	178	141861	4.01	ng	97
73) Di-n-butylphthalate	11.67	149	9165	Below Cal	#	95
74) Fluoranthene	12.30	202	184686	2.32	ng	97
76) Benzidine	12.68	184	20442	Below Cal		98
77) Pyrene	12.53	202	150068	4.51	ng	96
80) Benzo(a)anthracene	13.72	228	71472	2.79	ng	98
82) Chrysene	13.72	228	71472	2.78	ng	97
87) Benzo(b)fluoranthene	14.71	252	106928	3.83	ng	# 94
88) Benzo(k)fluoranthene	14.71	252	106928	4.49	ng	# 93
89) Benzo(a)pyrene	15.03	252	55706	2.25	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampleId :

SW-002

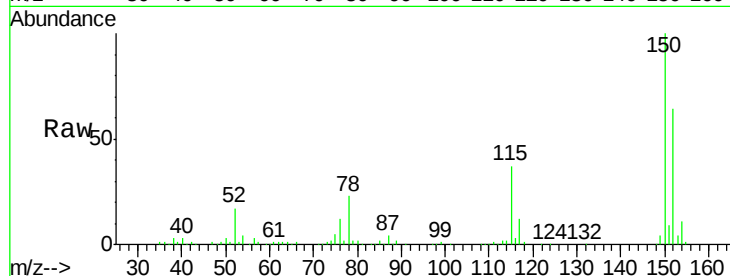
Tgt Ion:152 Resp: 212761

Ion Ratio Lower Upper

152 100

150 156.6 124.9 187.3

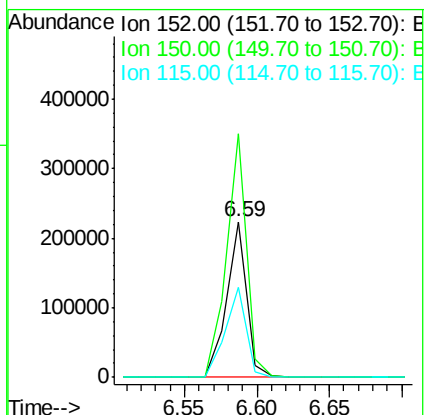
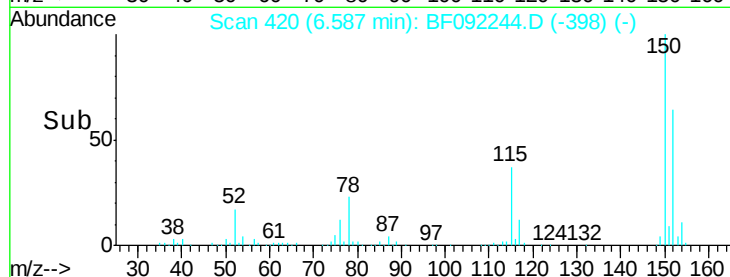
115 57.7 46.0 69.0



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: 157.46 ng

RT: 5.18 min Scan# 297

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

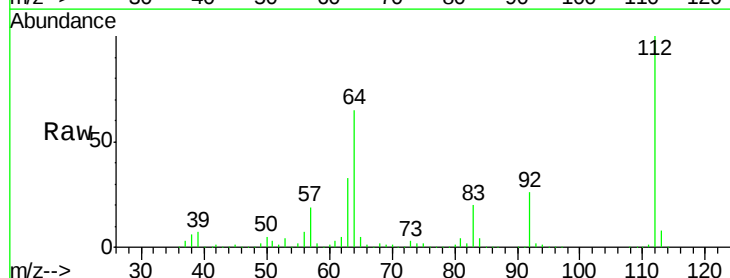
Tgt Ion:112 Resp: 2006332

Ion Ratio Lower Upper

112 100

64 65.1 46.1 69.1

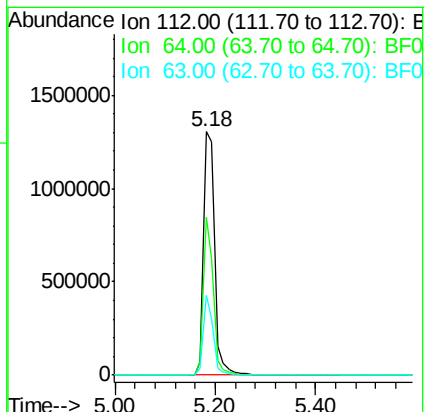
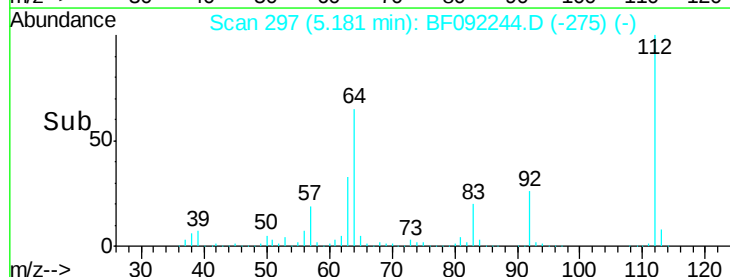
63 32.8 23.8 35.6



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: 136.32 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampled :

SW-002

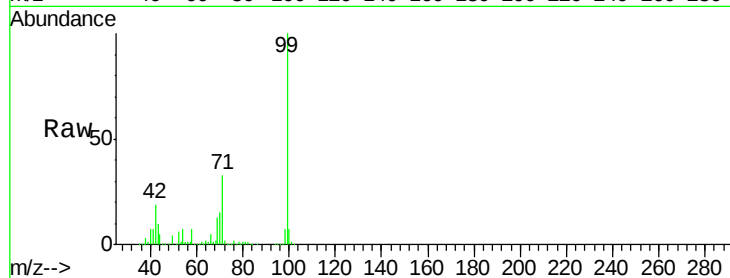
Tgt Ion: 99 Resp: 2120750

Ion Ratio Lower Upper

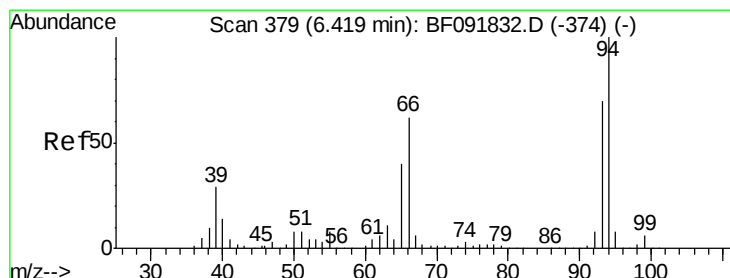
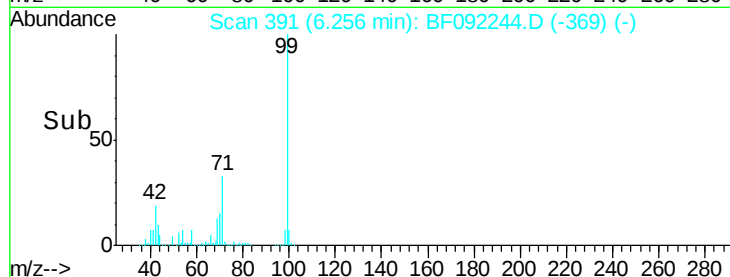
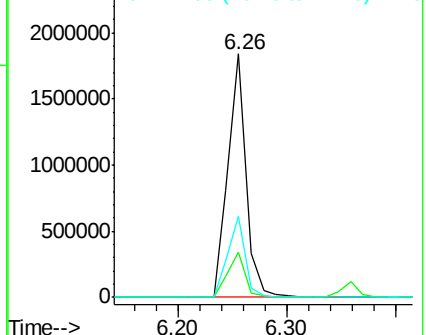
99 100

42 18.5 15.6 23.4

71 33.1 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: 2.79 ng

RT: 6.27 min Scan# 392

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

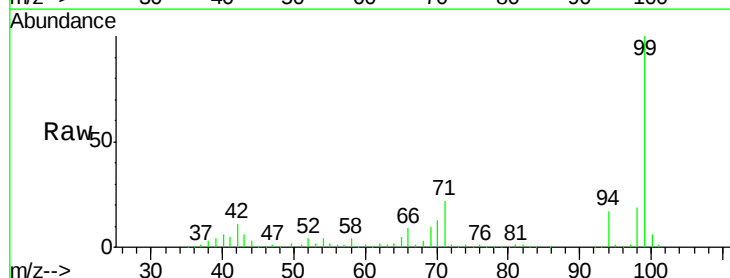
Tgt Ion: 94 Resp: 49470

Ion Ratio Lower Upper

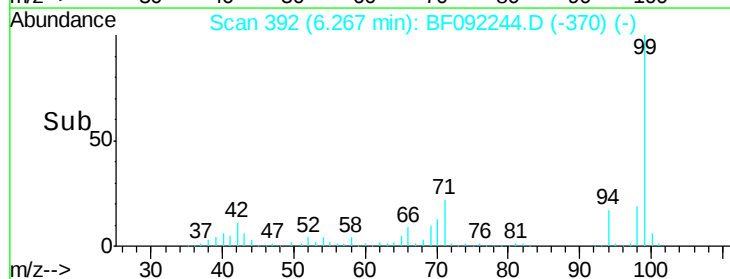
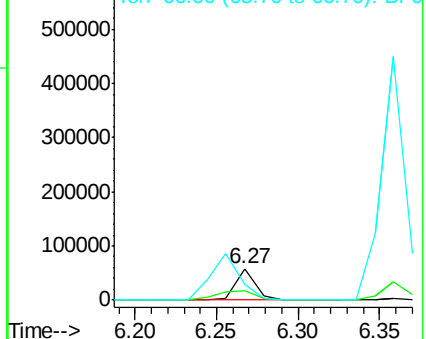
94 100

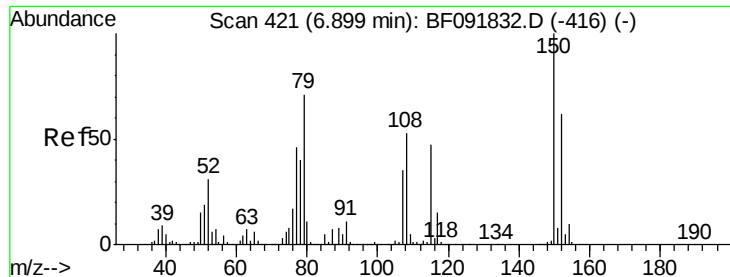
65 29.3 21.4 61.4

66 51.5 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





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.74 min Scan# 433

Delta R.T. -0.07 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampled :

SW-002

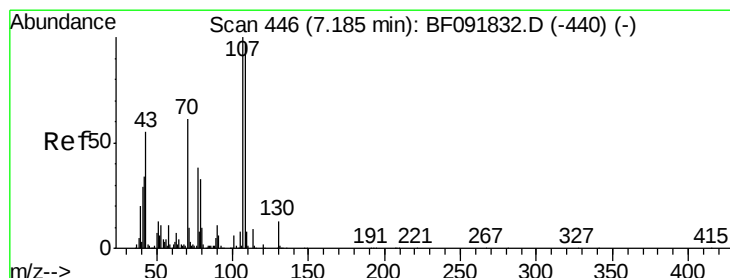
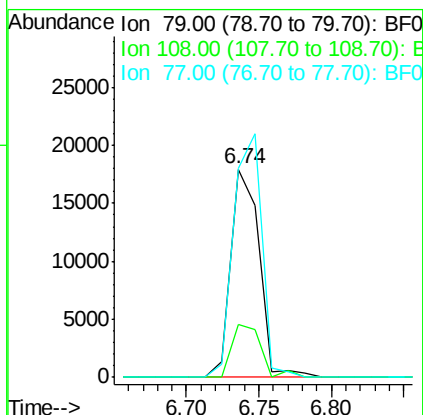
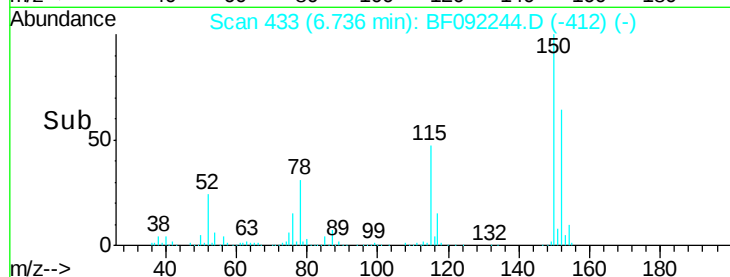
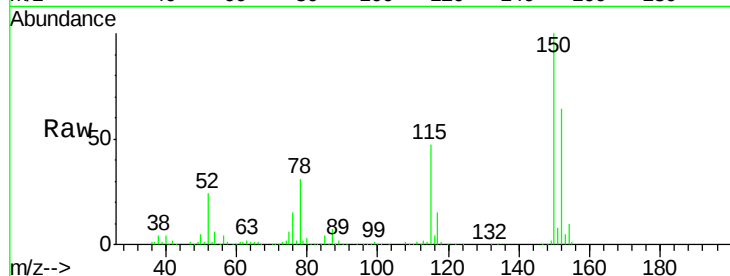
Tgt Ion: 79 Resp: 24381

Ion Ratio Lower Upper

79 100

108 25.2 61.4 92.0#

77 100.4 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 16.43 ng

RT: 7.16 min Scan# 470

Delta R.T. 0.08 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Tgt Ion: 70 Resp: 170042

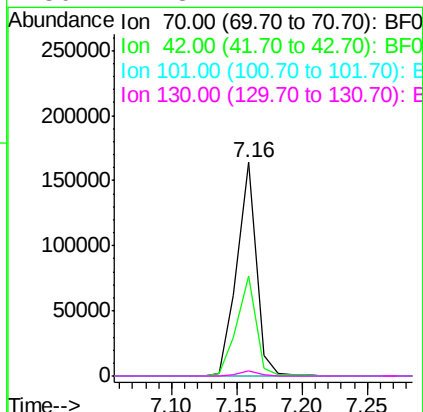
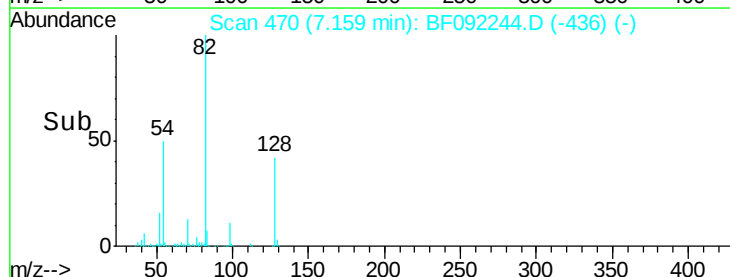
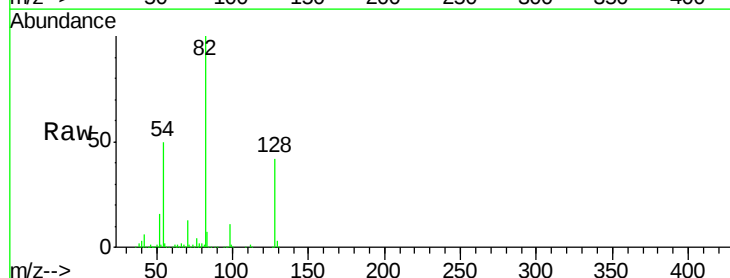
Ion Ratio Lower Upper

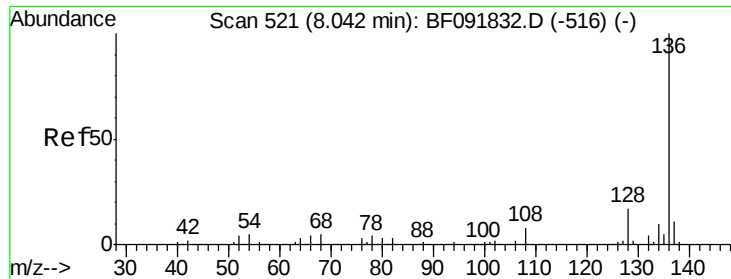
70 100

42 46.8 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

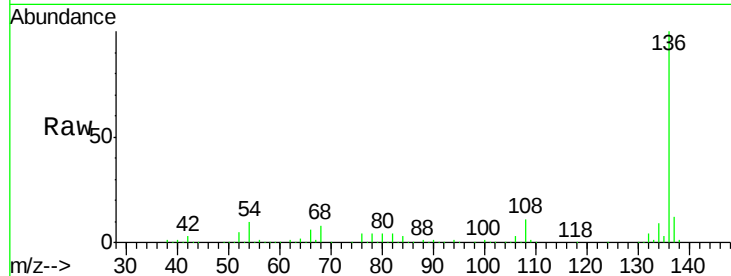




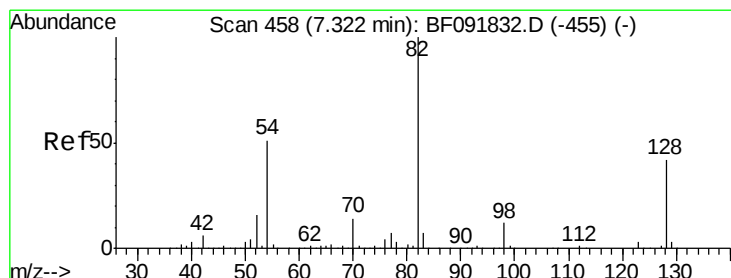
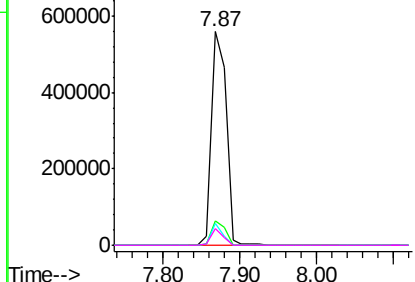
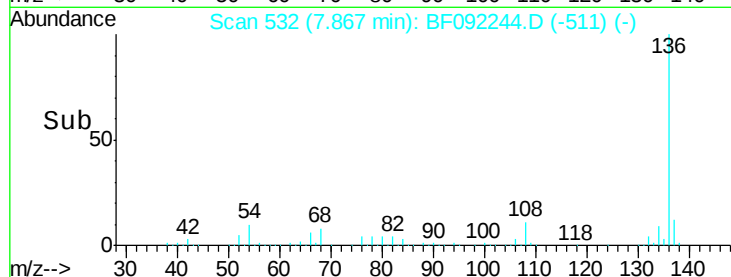
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 532
Delta R.T. -0.07 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Instrument :
BNA_F
ClientSampleId :
SW-002

Tgt Ion:	136	Resp:	738558
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	10.4	4.5	6.7#
68	8.1	3.6	5.4#

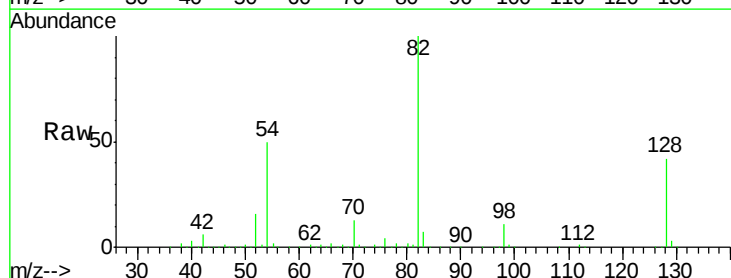


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

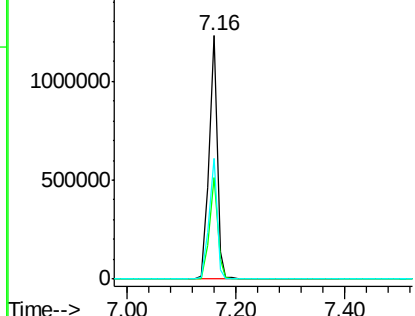
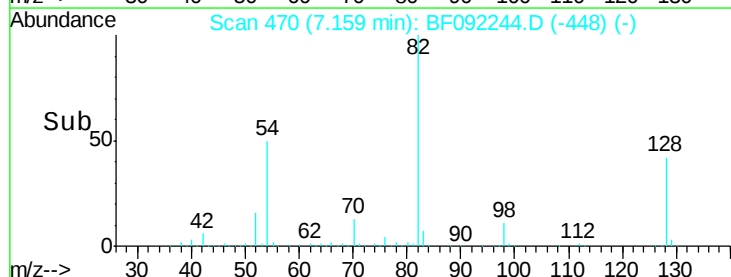


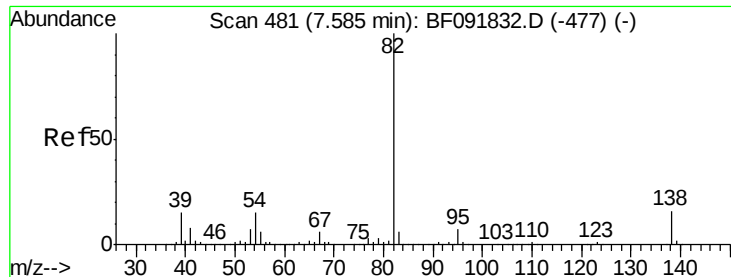
#23
Nitrobenzene-d5
Concen: 96.79 ng
RT: 7.16 min Scan# 470
Delta R.T. -0.05 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Tgt Ion:	82	Resp:	1285613
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	49.6	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: 52.04 ng

RT: 7.16 min Scan# 470

Delta R.T. -0.32 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampleId :

SW-002

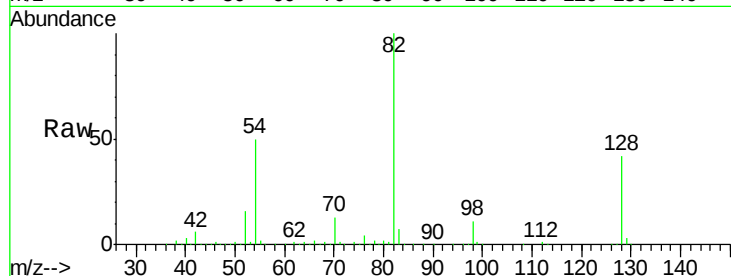
Tgt Ion: 82 Resp: 1275192

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

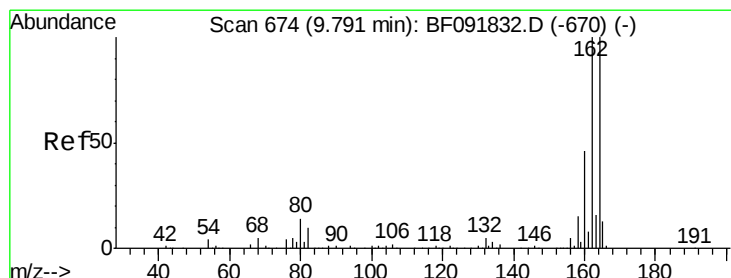
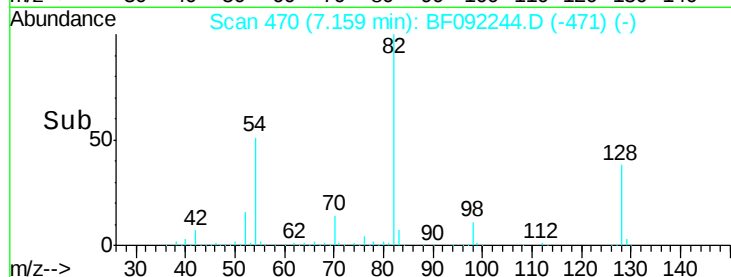
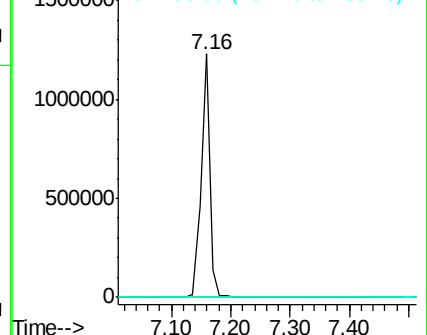
138 0.0 14.6 22.0#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

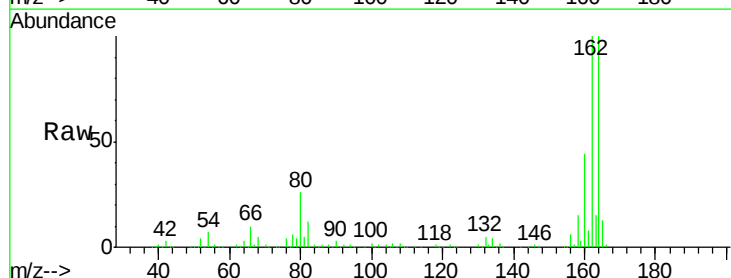
Tgt Ion: 164 Resp: 369037

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

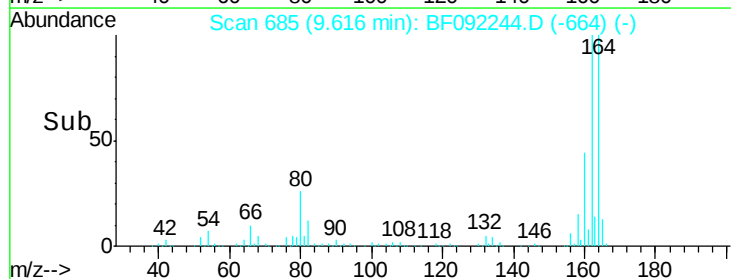
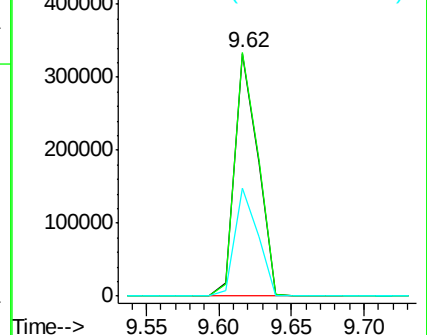
160 44.2 36.9 55.3

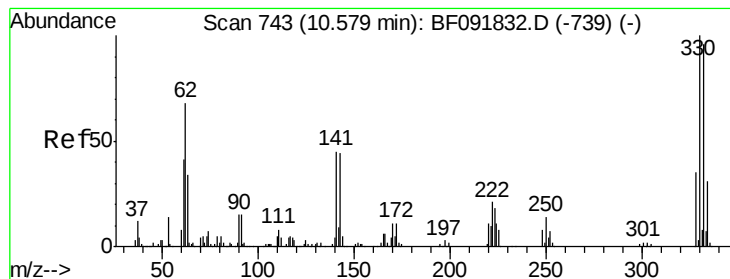


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 155.38 ng

RT: 10.42 min Scan# 755

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampleId :

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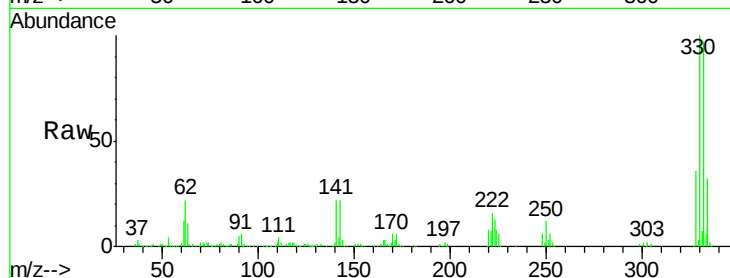
Tgt Ion:330 Resp: 474536

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

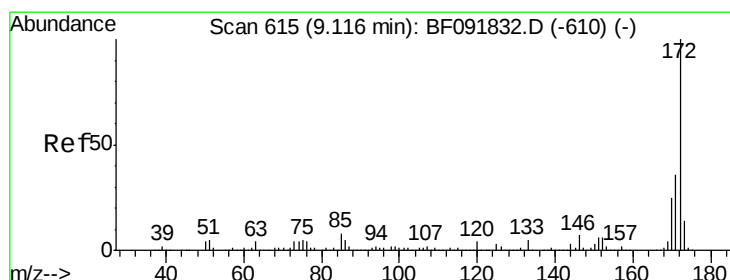
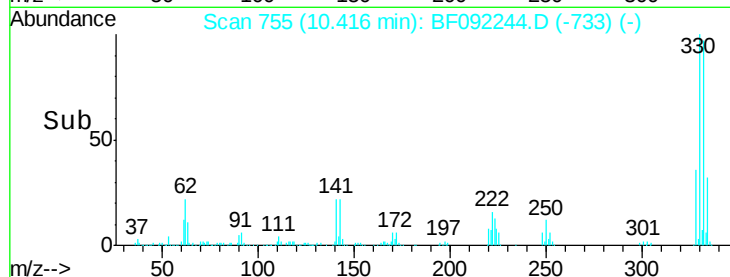
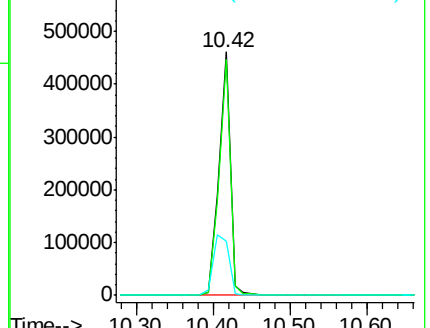
141 34.1 34.1 51.1



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: 106.12 ng

RT: 8.95 min Scan# 627

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

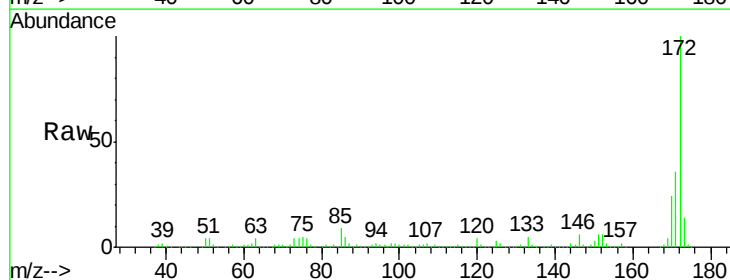
Tgt Ion:172 Resp: 1853594

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

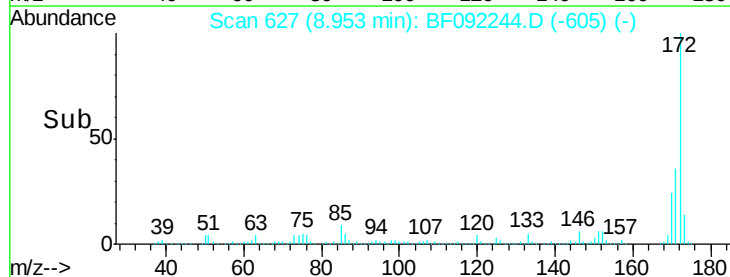
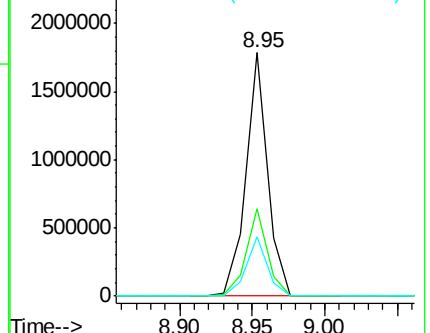
170 24.4 20.2 30.4

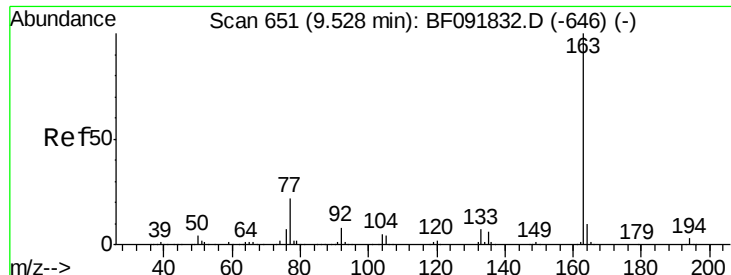


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

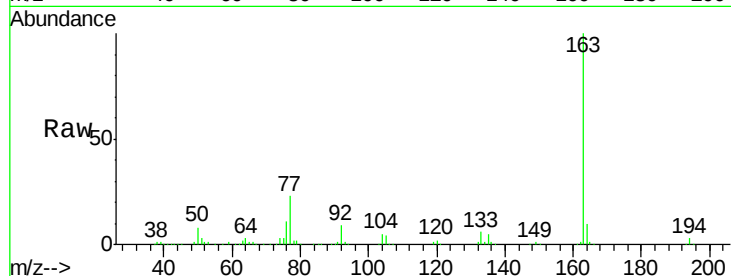




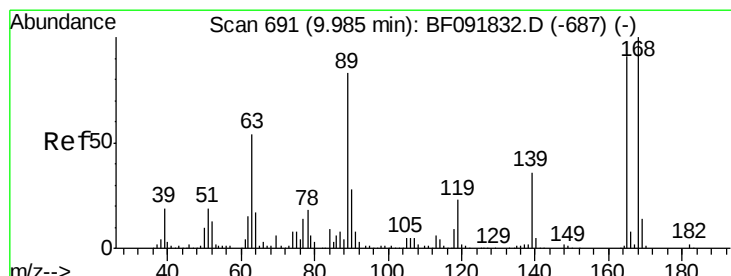
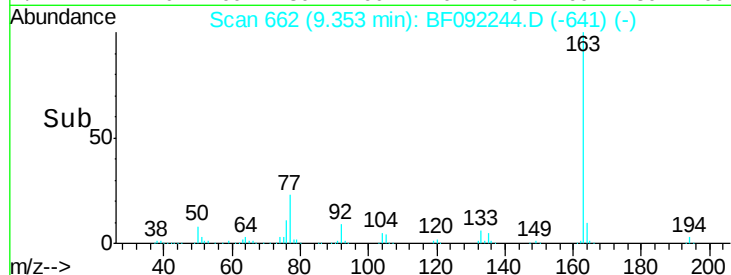
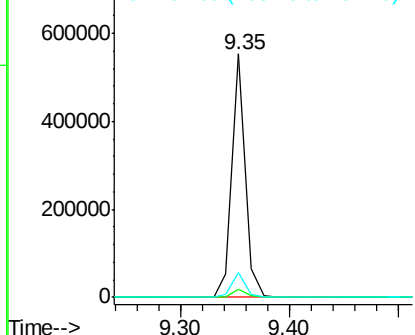
#49
Dimethylphthalate
Concen: 19.71 ng
RT: 9.35 min Scan# 662
Delta R.T. -0.07 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 465303
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.4 8.0 12.0

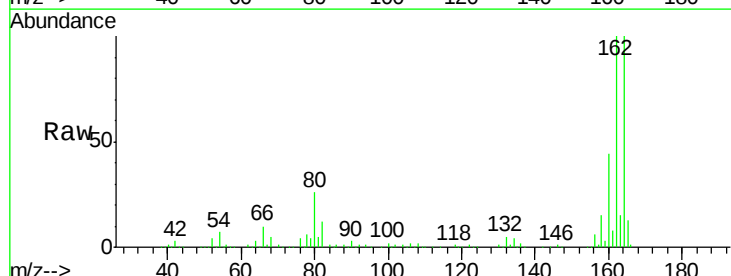


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

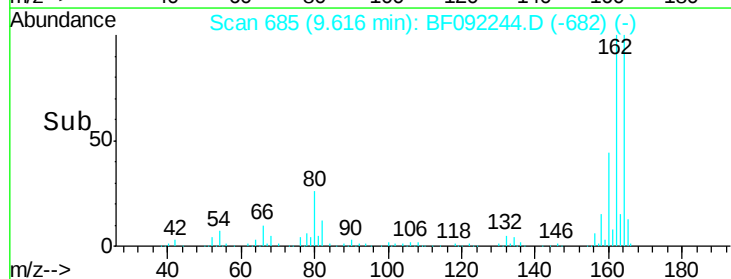
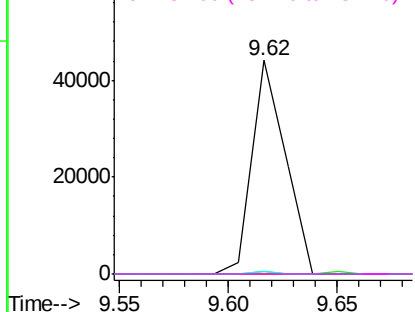


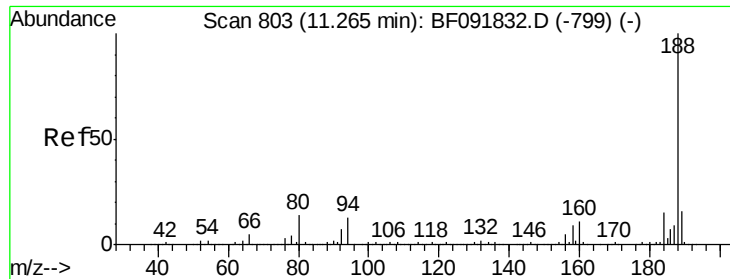
#56
2,4-Dinitrotoluene
Concen: 7.26 ng
RT: 9.62 min Scan# 685
Delta R.T. -0.27 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Tgt Ion:165 Resp: 47094
Ion Ratio Lower Upper
165 100
63 1.3 40.2 60.4#
89 1.2 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

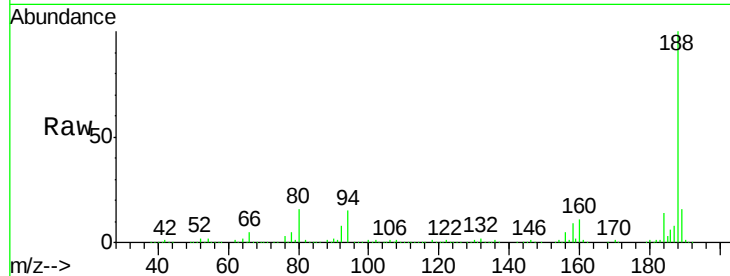




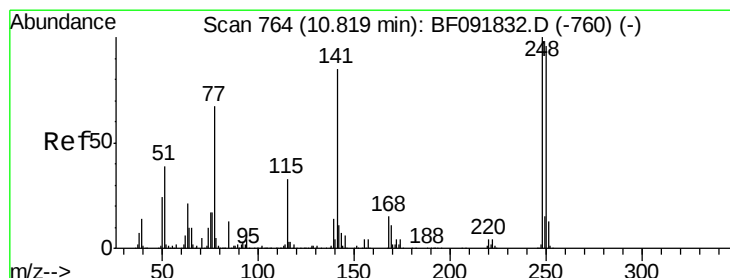
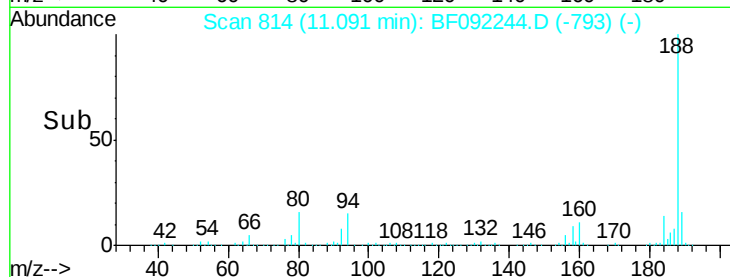
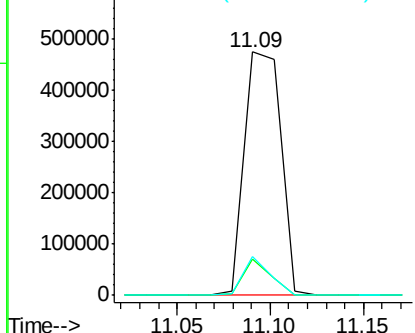
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 814
 Delta R.T. -0.07 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

Instrument :
 BNA_F
 ClientSampleId :
 SW-002

Tgt Ion:188 Resp: 652777
 Ion Ratio Lower Upper
 188 100
 94 14.8 10.0 15.0
 80 16.1 11.2 16.8

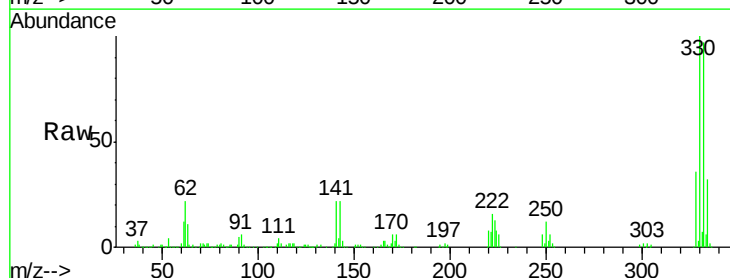


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

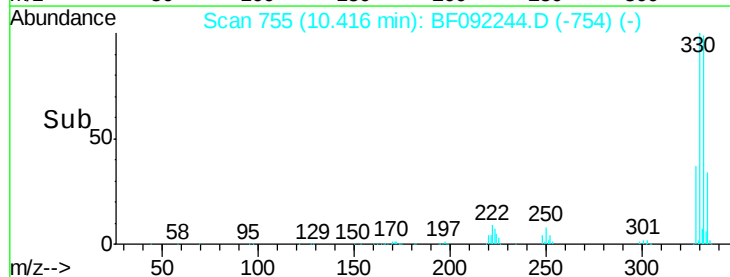
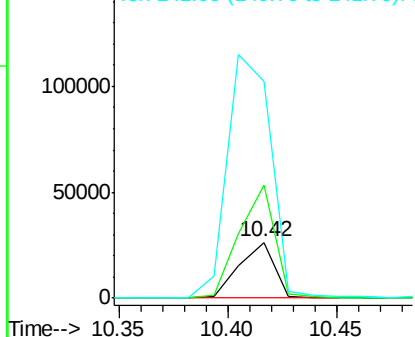


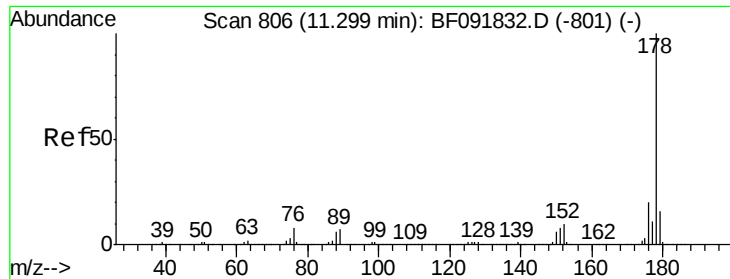
#66
 4-Bromophenyl-phenylether
 Concen: 4.40 ng
 RT: 10.42 min Scan# 755
 Delta R.T. -0.29 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

Tgt Ion:248 Resp: 29845
 Ion Ratio Lower Upper
 248 100
 250 202.5 76.9 115.3#
 141 388.2 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

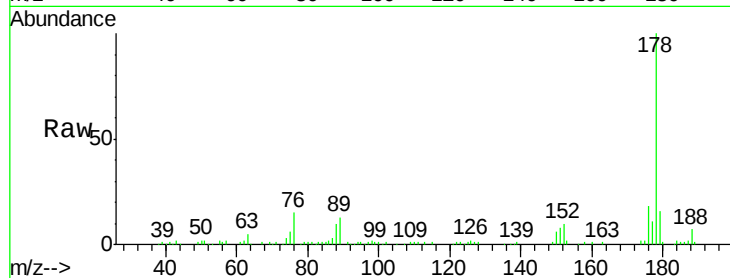




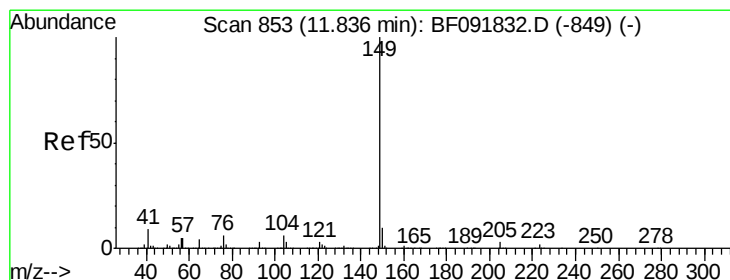
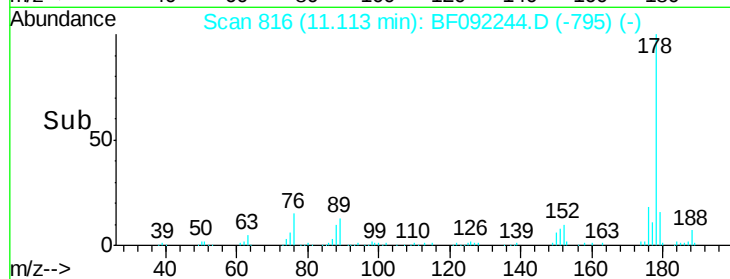
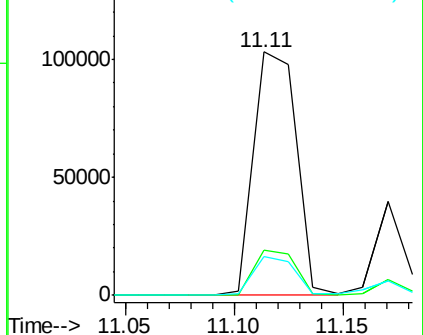
#70
 Phenanthrene
 Concen: 4.01 ng
 RT: 11.11 min Scan# 816
 Delta R.T. -0.07 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

Instrument :
 BNA_F
 ClientSampleId :
 SW-002

Tgt Ion:178 Resp: 141861
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.6 25.0
 179 15.8 12.8 19.2

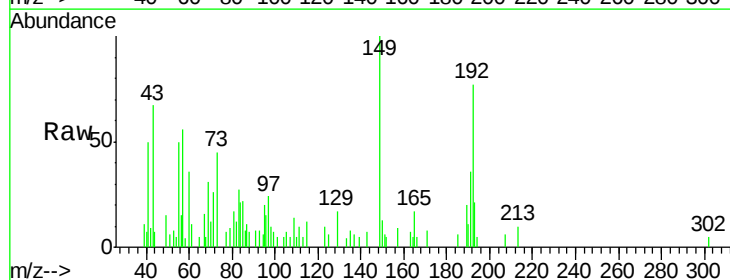


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

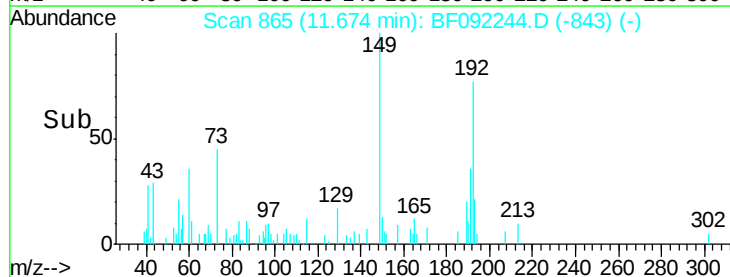
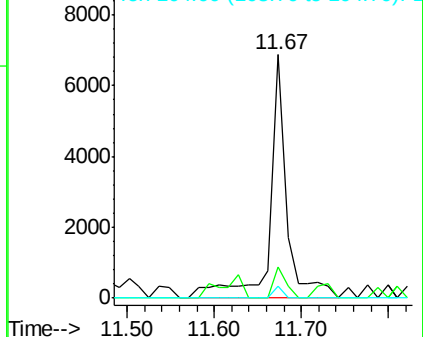


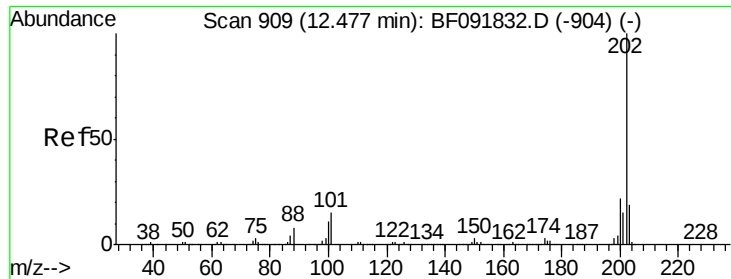
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.67 min Scan# 865
 Delta R.T. -0.05 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

Tgt Ion:149 Resp: 9165
 Ion Ratio Lower Upper
 149 100
 150 12.7 8.1 12.1#
 104 4.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

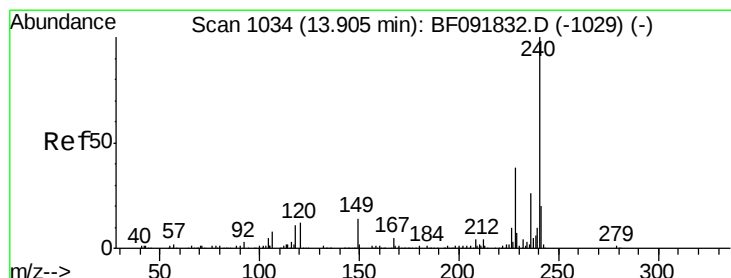
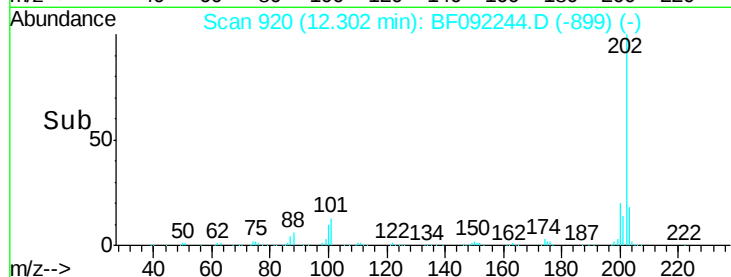
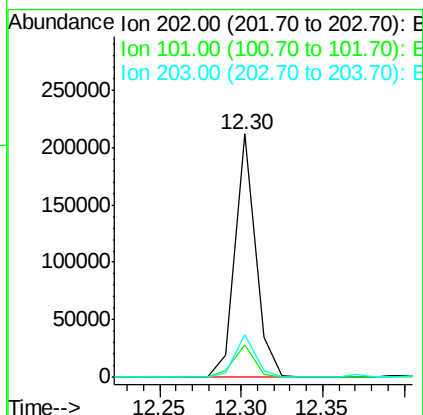
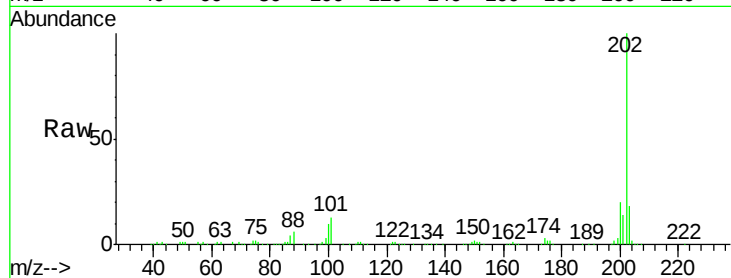




#74
 Fluoranthene
 Concen: 2.32 ng
 RT: 12.30 min Scan# 920
 Delta R.T. -0.07 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

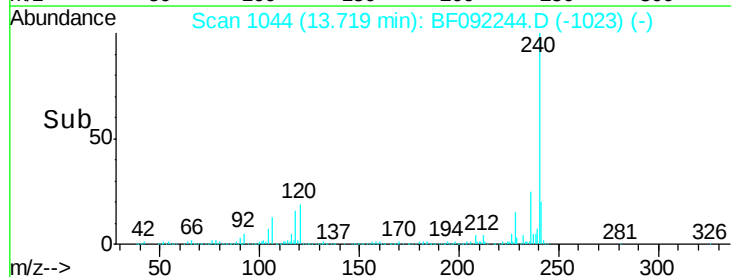
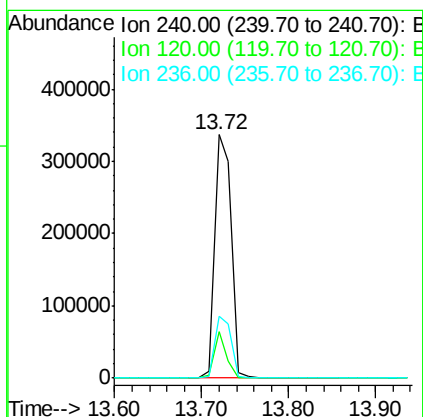
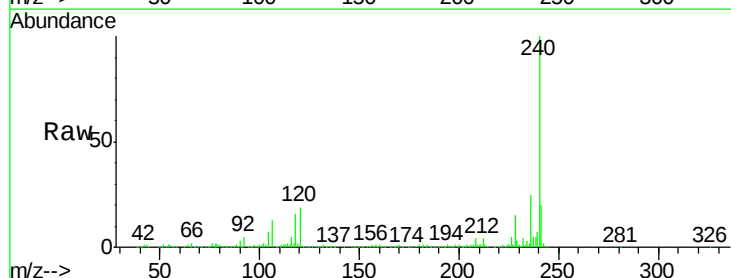
Instrument :
 BNA_F
 ClientSampleId :
 SW-002

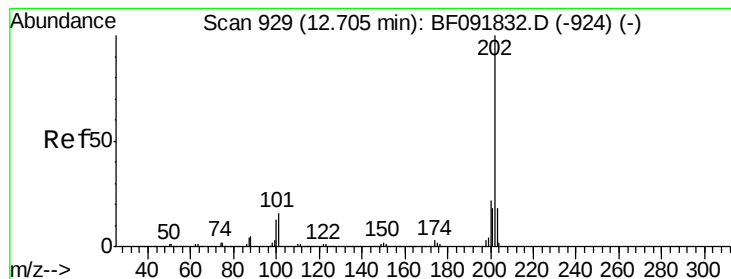
Tgt Ion: 202 Resp: 184686
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 34.6
 203 17.7 0.0 38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.72 min Scan# 1044
 Delta R.T. -0.07 min
 Lab File: BF092244.D
 Acq: 13 Jan 2017 12:49

Tgt Ion: 240 Resp: 453356
 Ion Ratio Lower Upper
 240 100
 120 19.3 12.9 19.3
 236 25.5 20.9 31.3





#77

Pyrene

Concen: 4.51 ng

RT: 12.53 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampleId :

SW-002

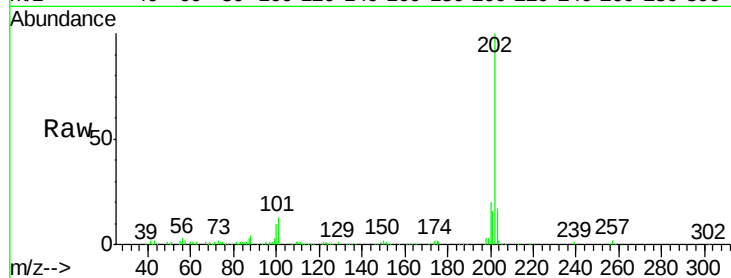
Tgt Ion: 202 Resp: 150068

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

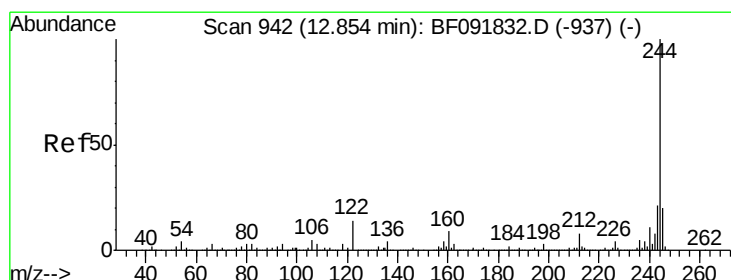
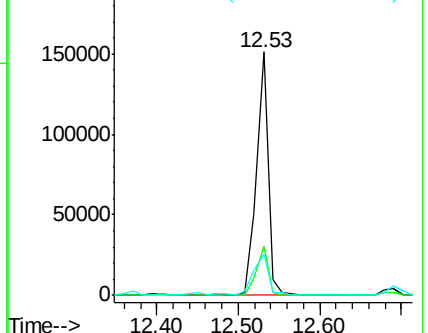
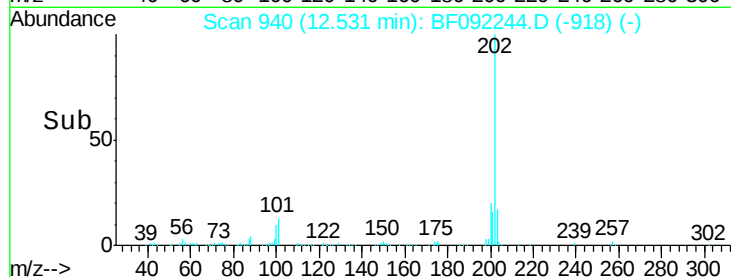
203 16.8 14.7 22.1



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: 87.74 ng

RT: 12.69 min Scan# 954

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

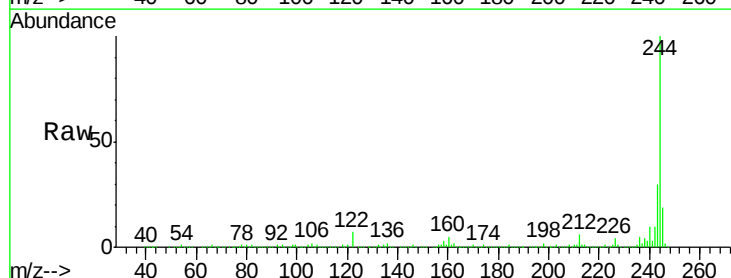
Tgt Ion: 244 Resp: 1640062

Ion Ratio Lower Upper

244 100

212 6.2 6.2 9.2

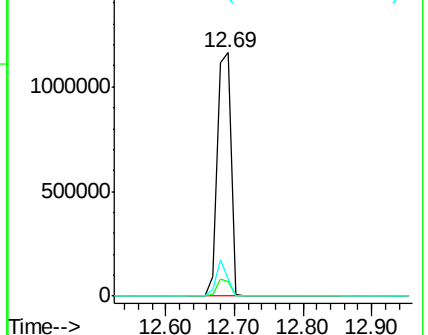
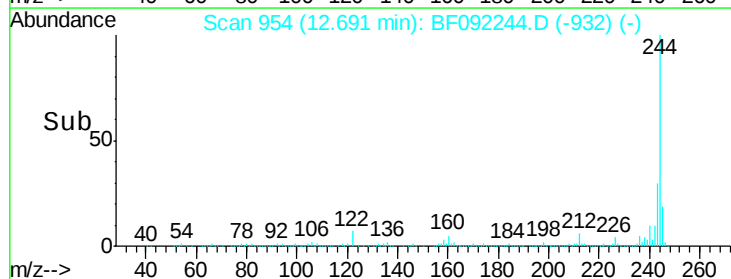
122 7.2 11.4 17.2#

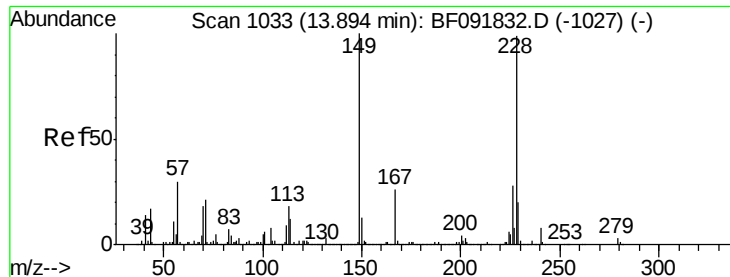


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.79 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

Instrument :

BNA_F

ClientSampleId :

SW-002

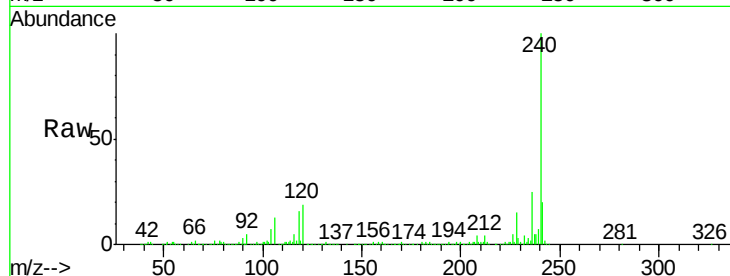
Tgt Ion:228 Resp: 71472

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

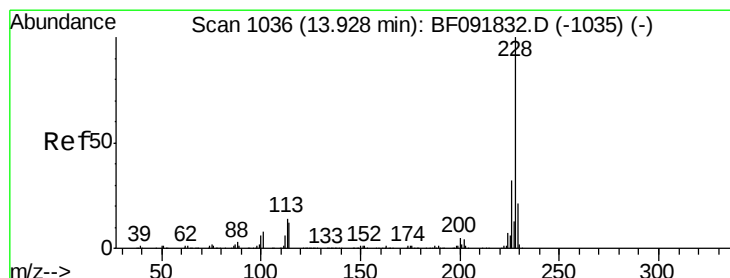
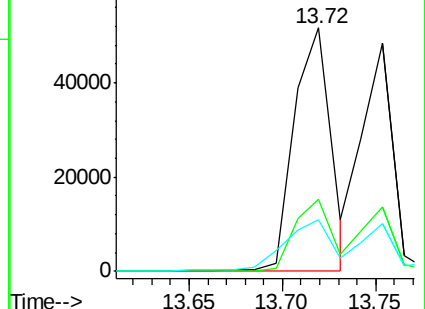
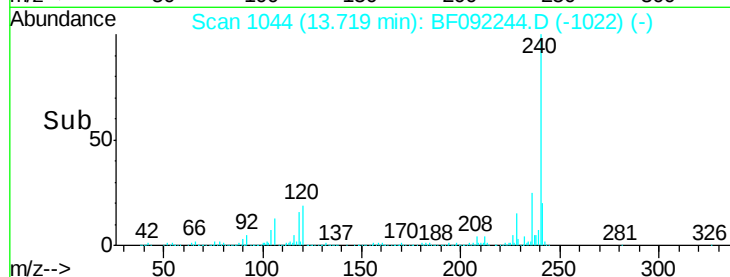
229 21.1 16.2 24.4



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: 2.78 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.09 min

Lab File: BF092244.D

Acq: 13 Jan 2017 12:49

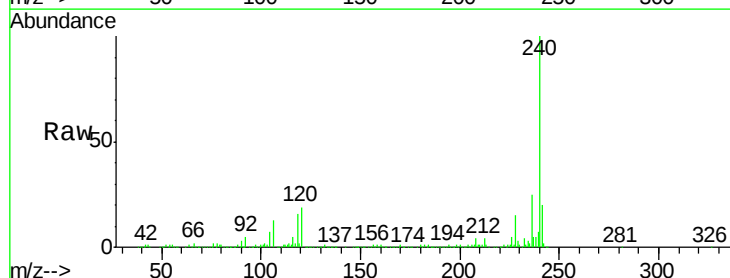
Tgt Ion:228 Resp: 71472

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

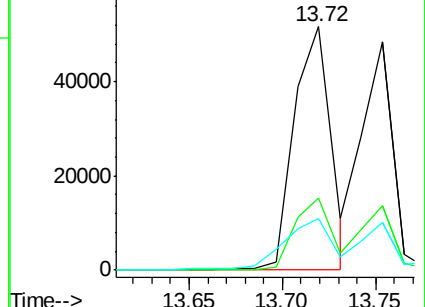
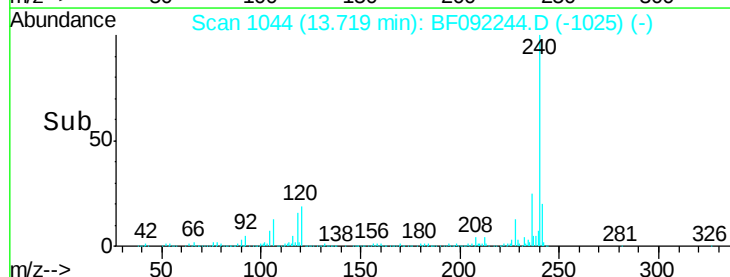
229 21.1 16.2 24.2

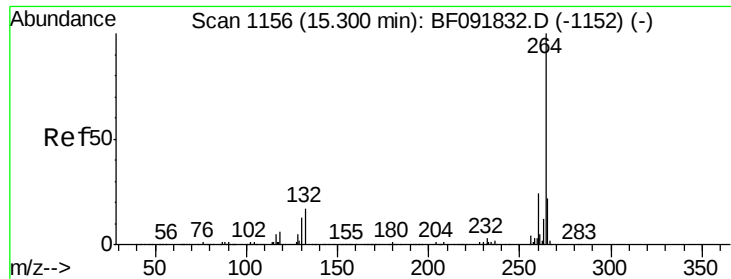


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

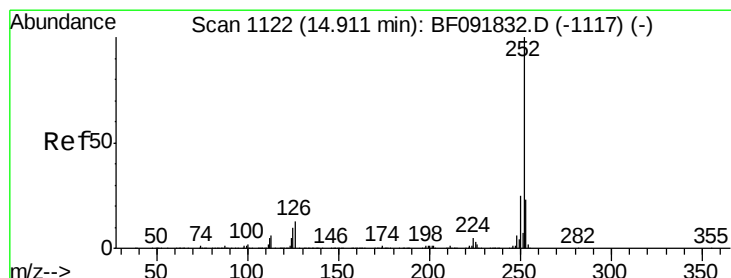
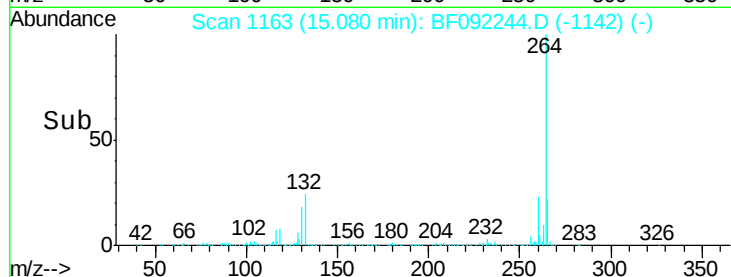
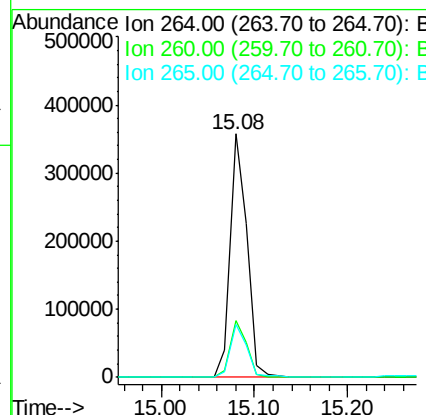
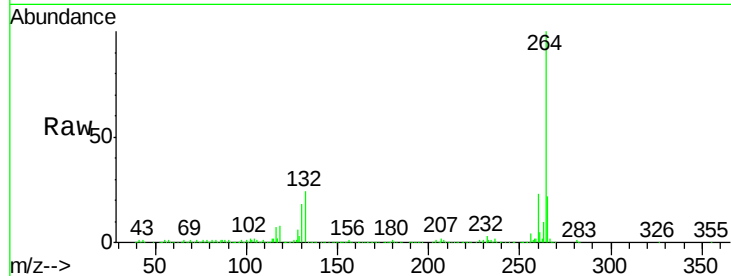




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.08 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

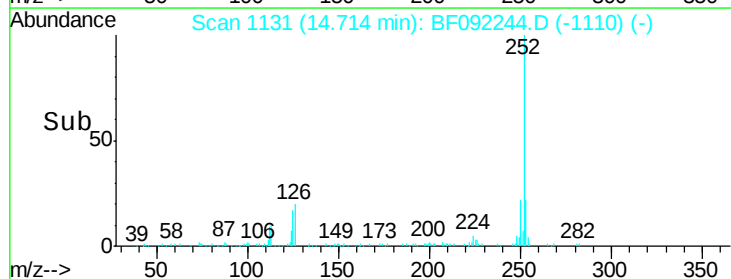
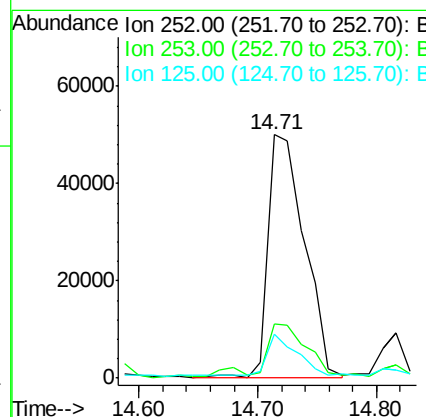
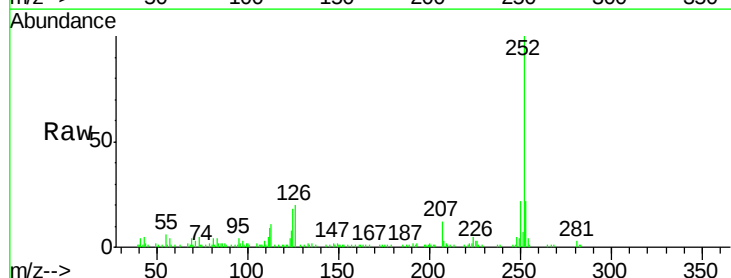
Instrument :
BNA_F
ClientSampleId :
SW-002

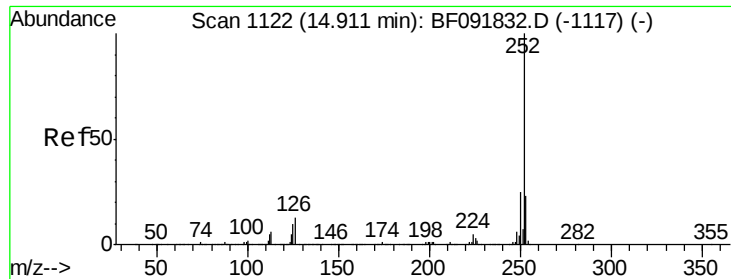
Tgt Ion:264 Resp: 448105
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.9 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 14.71 min Scan# 1131
Delta R.T. -0.07 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Tgt Ion:252 Resp: 106928
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 17.8 9.8 14.6#

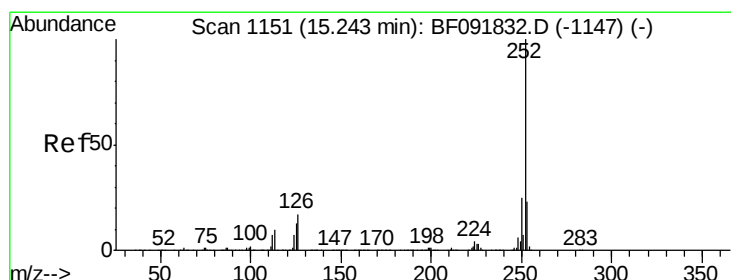
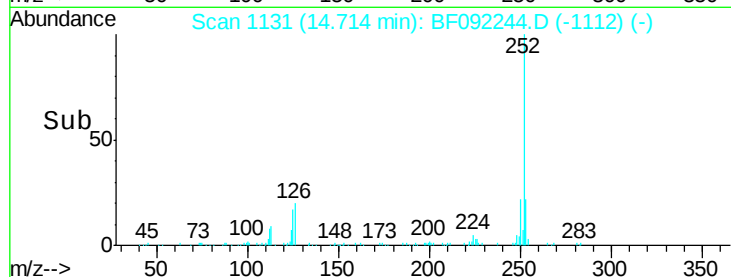
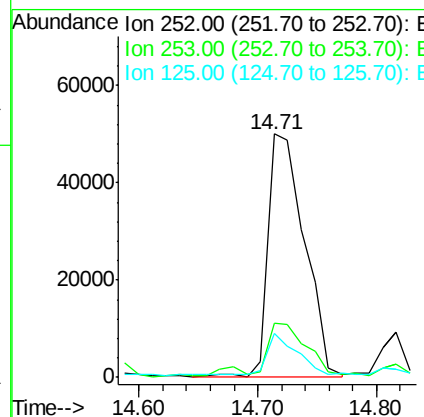
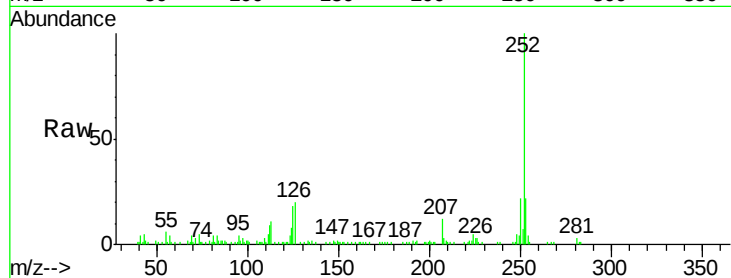




#88
Benzo(k)fluoranthene
Concen: 4.49 ng
RT: 14.71 min Scan# 1131
Delta R.T. -0.09 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Instrument :
BNA_F
ClientSampleId :
SW-002

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.5	27.7
125	17.8	8.9	13.3#



#89
Benzo(a)pyrene
Concen: 2.25 ng
RT: 15.03 min Scan# 1159
Delta R.T. -0.07 min
Lab File: BF092244.D
Acq: 13 Jan 2017 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.5	10.0	15.0

