

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092234.D
 Acq On : 13 Jan 2017 4:18
 Operator : UM/SJ
 Sample : I1131-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-003

Quant Time: Jan 13 04:45:15 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	6.60	152	167566	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	807376	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	309735	20.00	ng	-0.06
63) Phenanthrene-d10	11.10	188	442763	20.00	ng	-0.06
75) Chrysene-d12	13.73	240	309493	20.00	ng	-0.06
86) Perylene-d12	15.09	264	314201	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1368413	136.36	ng	-0.03
7) Phenol-d6	6.26	99	1732225	141.38	ng	-0.05
23) Nitrobenzene-d5	7.17	82	1164283	80.19	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	381569	148.86	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1647233	113.25	ng	-0.05
78) Terphenyl-d14	12.69	244	1168577	91.57	ng	-0.06

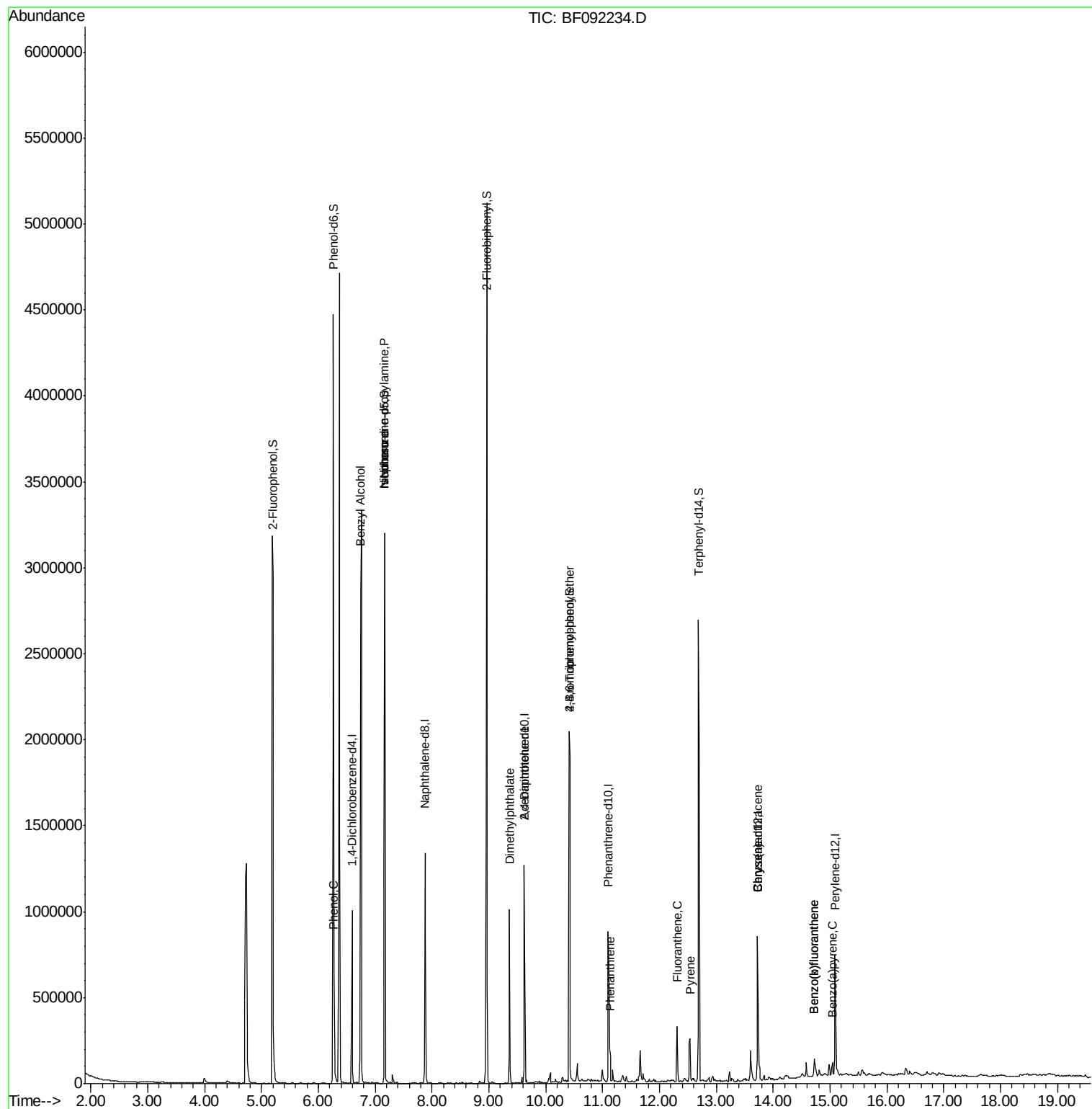
Target Compounds						Qvalue
10) Phenol	6.28	94	36307	2.60	ng	81
15) Benzyl Alcohol	6.74	79	20626	2.17	ng	# 42
19) n-Nitroso-di-n-propylamine	7.17	70	157426	19.31	ng	# 75
25) Isophorone	7.17	82	1155271	43.13	ng	# 65
37) 2-Methylnaphthalene	8.60	142	689	Below Cal	#	67
49) Dimethylphthalate	9.36	163	400556	20.22	ng	99
56) 2,4-Dinitrotoluene	9.62	165	40824	7.50	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	23486	5.10	ng	# 1
70) Phenanthrene	11.13	178	94608	3.94	ng	97
73) Di-n-butylphthalate	11.68	149	4312	Below Cal	#	85
74) Fluoranthene	12.31	202	126645	2.39	ng	96
76) Benzidine	12.69	184	14658	Below Cal	#	97
77) Pyrene	12.54	202	100838	4.44	ng	96
80) Benzo(a)anthracene	13.73	228	49862	2.85	ng	100
82) Chrysene	13.73	228	49862	2.85	ng	96
87) Benzo(b)fluoranthene	14.72	252	73041	3.73	ng	# 94
88) Benzo(k)fluoranthene	14.72	252	73041	4.38	ng	# 94
89) Benzo(a)pyrene	15.04	252	38685	2.23	ng	96

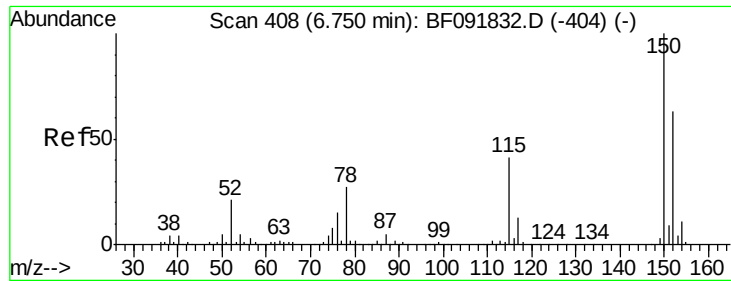
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 412

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

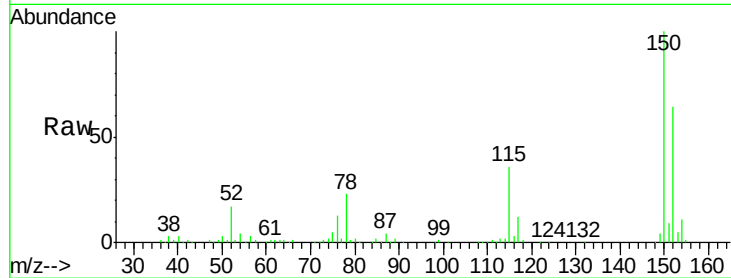
Tgt Ion:152 Resp: 167566

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

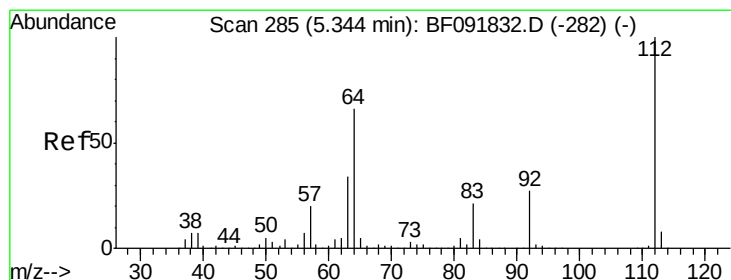
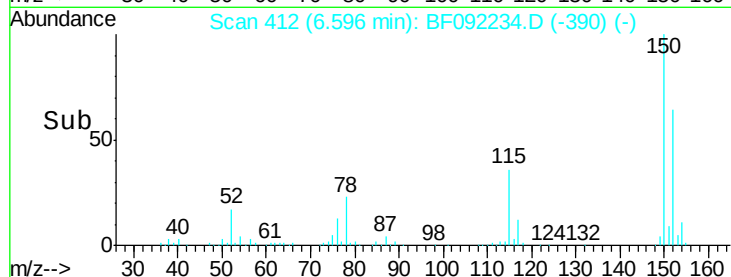
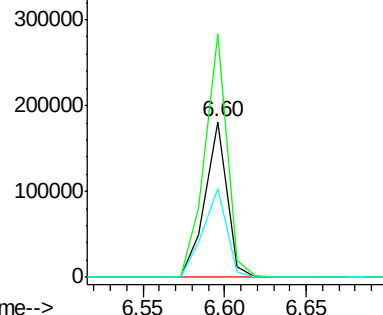
115 56.8 46.0 69.0



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



#5

2-Fluorophenol

Concen: 136.36 ng

RT: 5.20 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

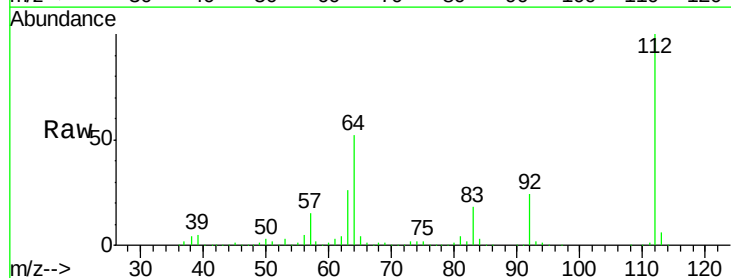
Tgt Ion:112 Resp: 1368413

Ion Ratio Lower Upper

112 100

64 51.7 46.1 69.1

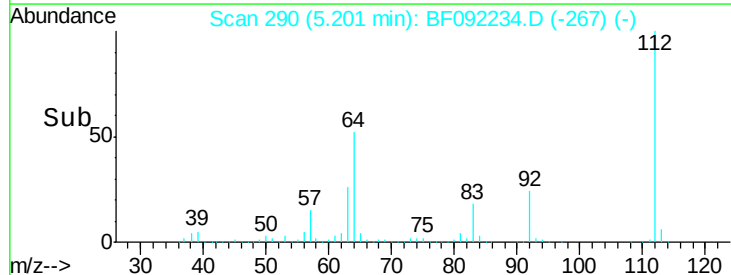
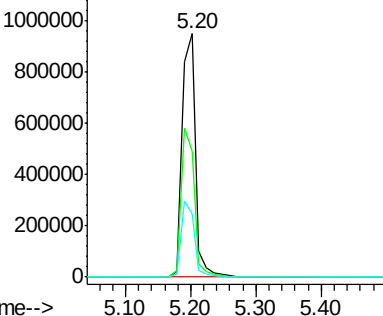
63 26.0 23.8 35.6

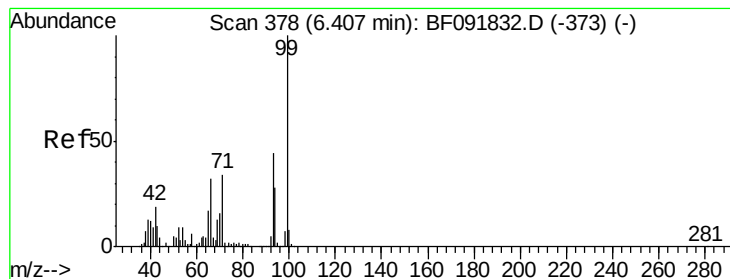


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.38 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

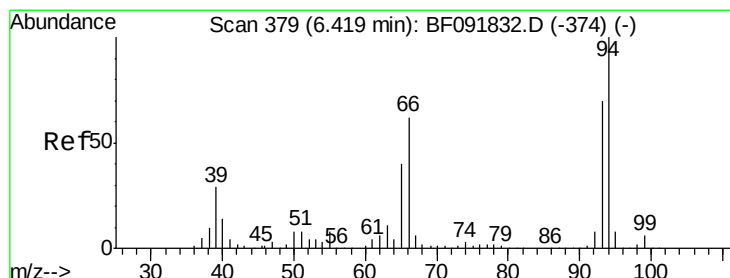
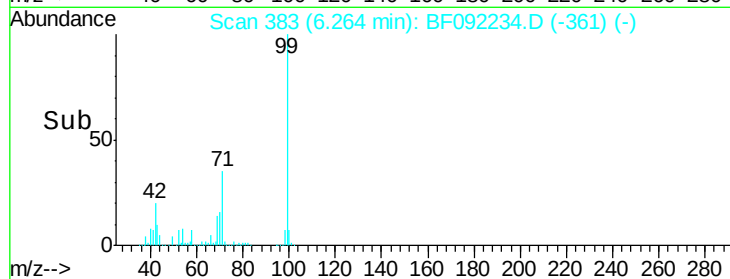
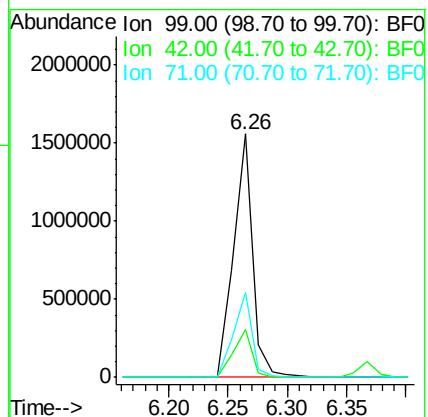
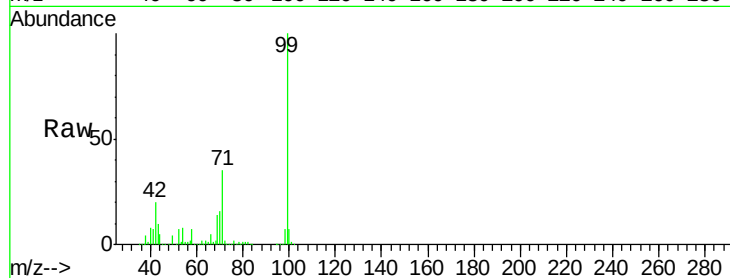
Tgt Ion: 99 Resp: 1732225

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

71 34.9 27.5 41.3



#10

Phenol

Concen: 2.60 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

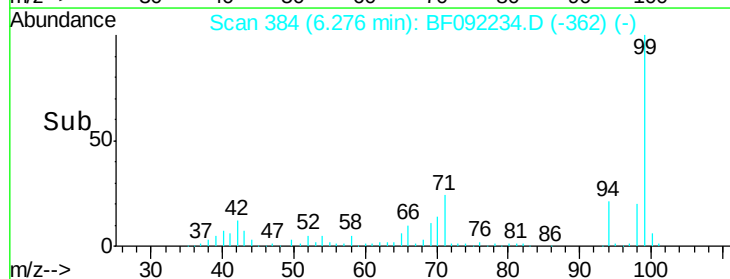
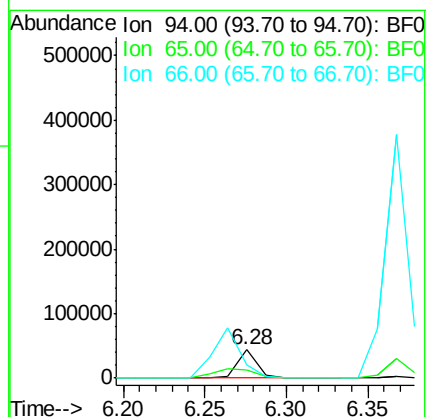
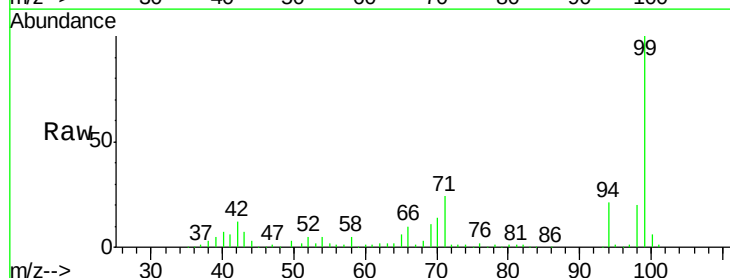
Tgt Ion: 94 Resp: 36307

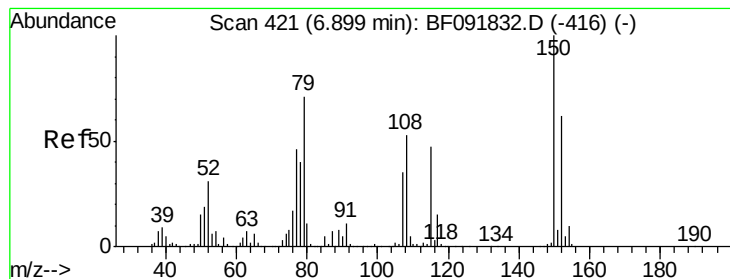
Ion Ratio Lower Upper

94 100

65 30.1 21.4 61.4

66 48.8 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

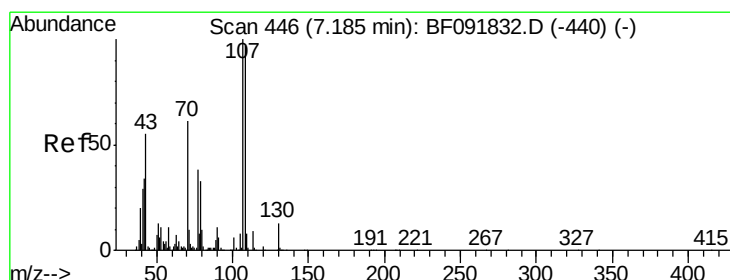
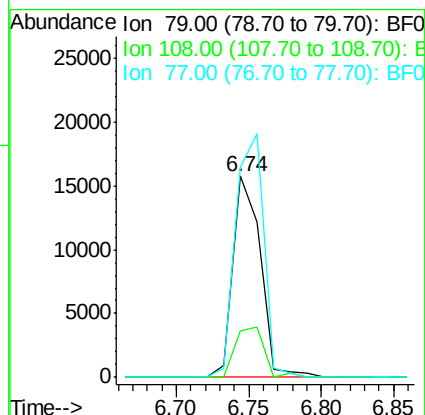
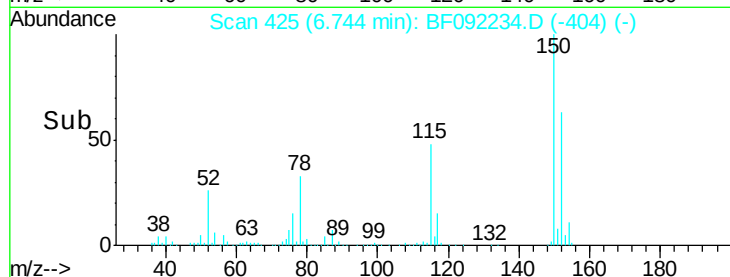
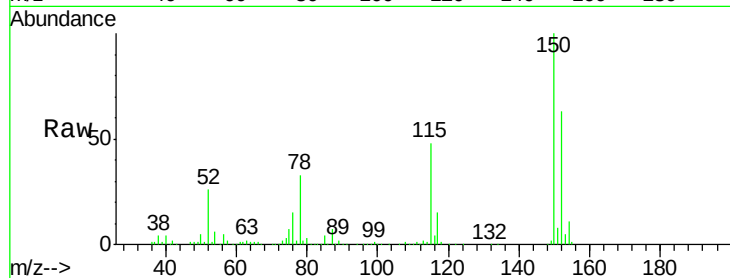
Tgt Ion: 79 Resp: 20626

Ion Ratio Lower Upper

79 100

108 23.2 61.4 92.0#

77 104.5 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.31 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Tgt Ion: 70 Resp: 157426

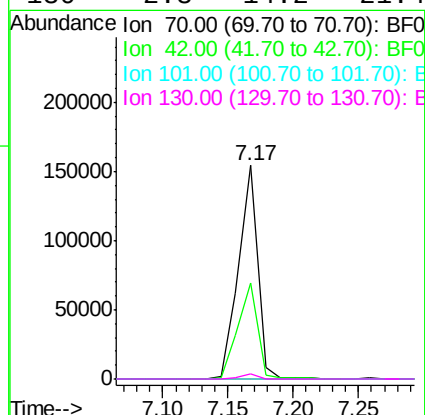
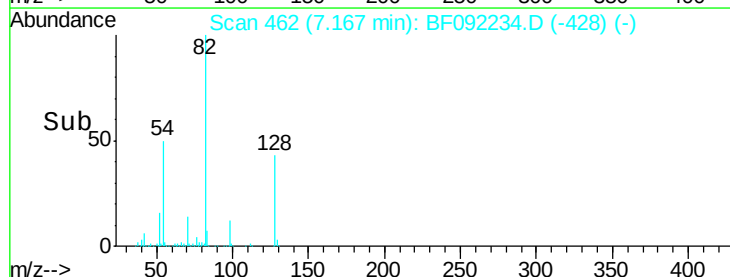
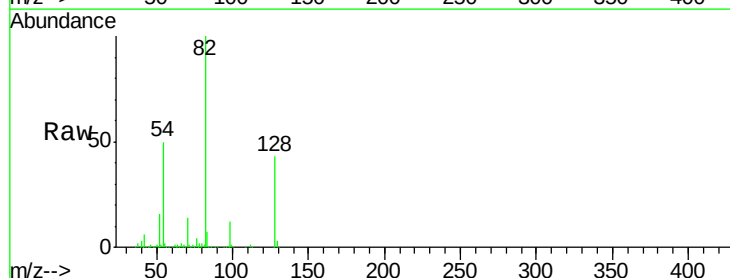
Ion Ratio Lower Upper

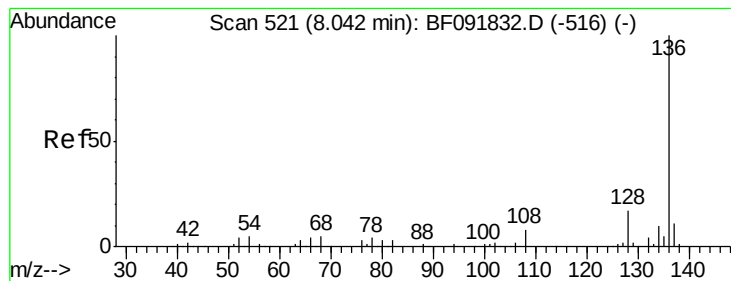
70 100

42 44.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

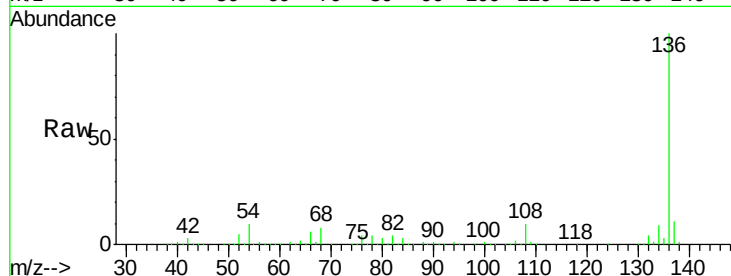




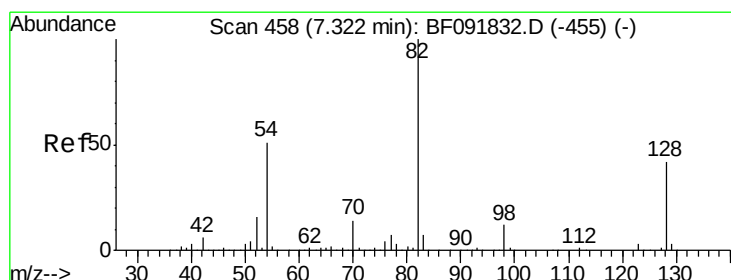
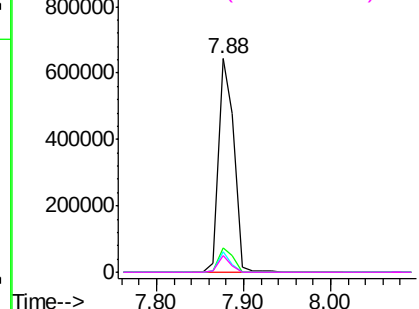
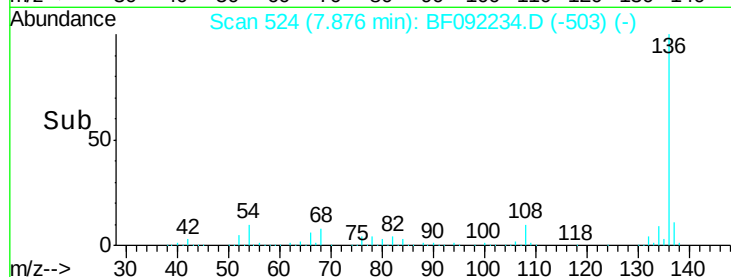
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Instrument :
BNA_F
ClientSampleId :
SW-003

Tgt Ion:	136	Resp:	807376
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	9.7	4.5	6.7#
68	7.7	3.6	5.4#

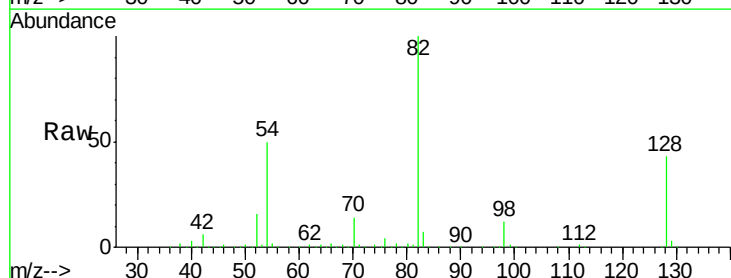


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

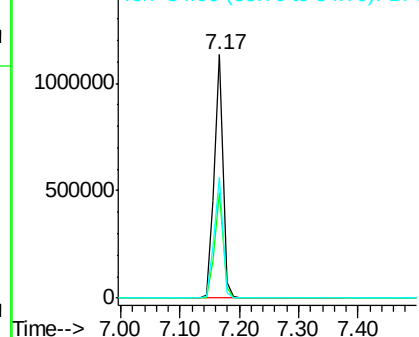
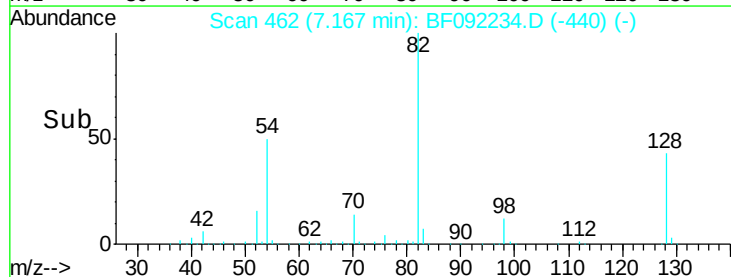


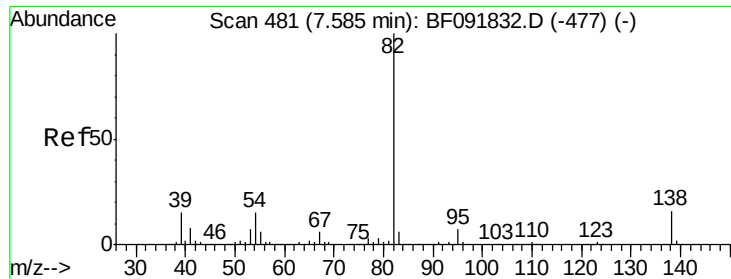
#23
Nitrobenzene-d5
Concen: 80.19 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Tgt Ion:	82	Resp:	1164283
Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	49.5	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: 43.13 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampled :

SW-003

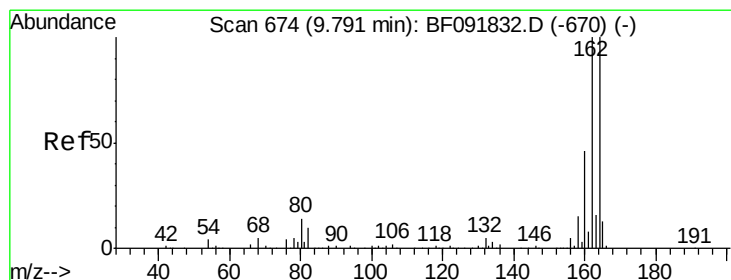
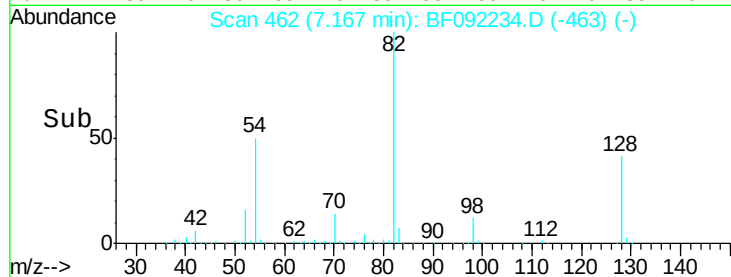
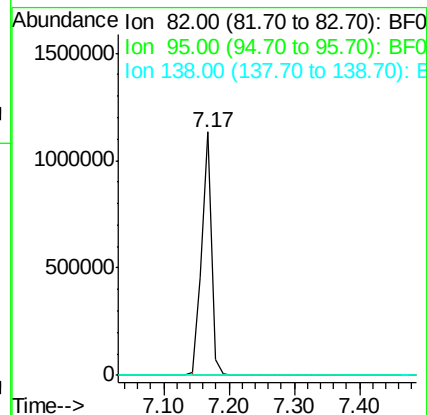
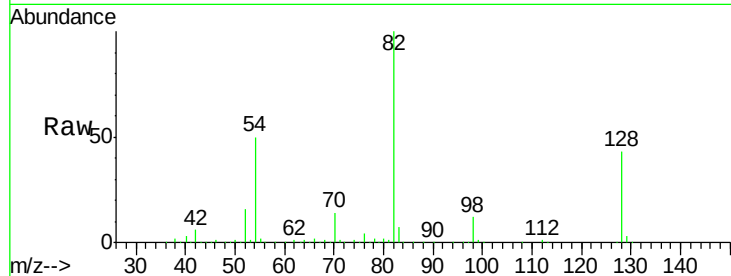
Tgt Ion: 82 Resp: 1155271

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: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

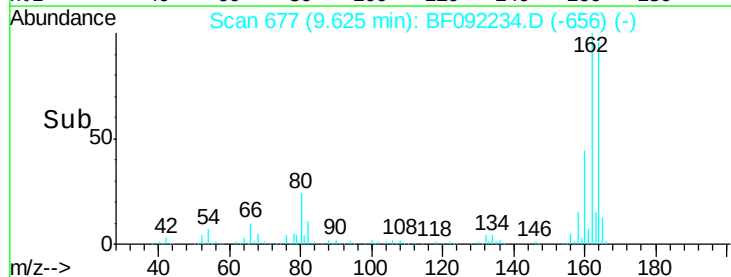
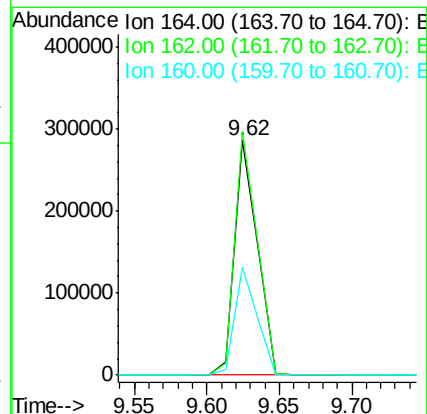
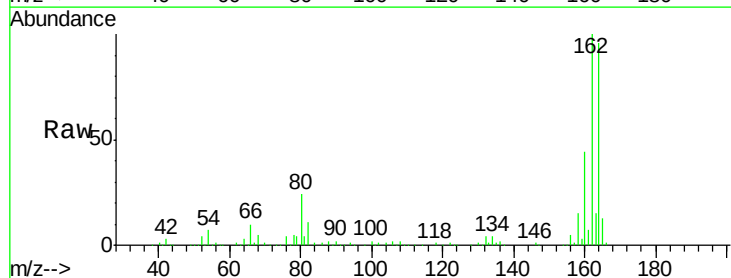
Tgt Ion: 164 Resp: 309735

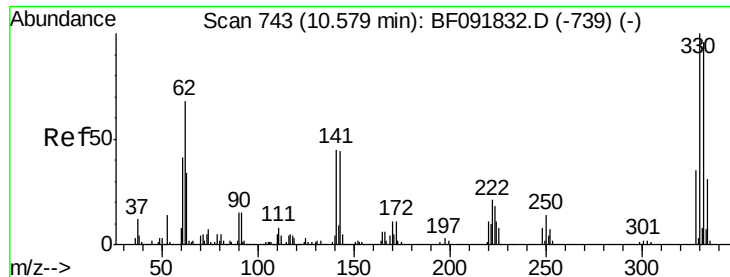
Ion Ratio Lower Upper

164 100

162 103.9 80.2 120.2

160 46.2 36.9 55.3

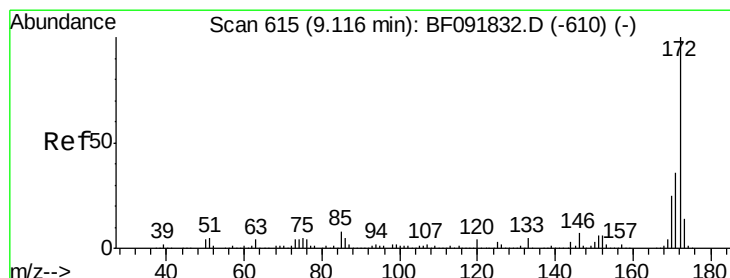
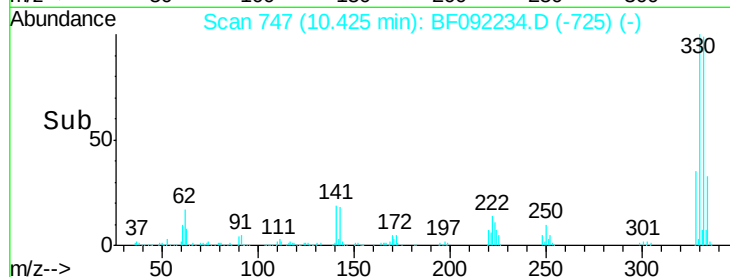
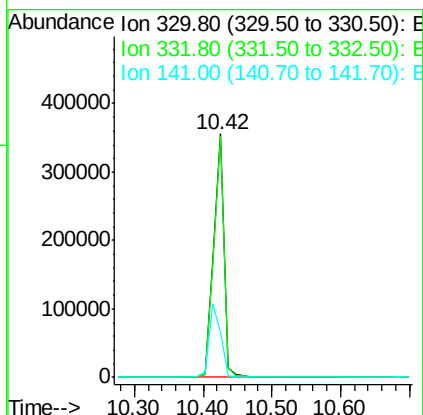
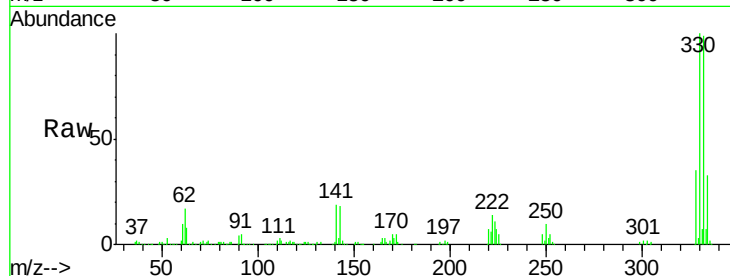




#41
 2,4,6-Tribromophenol
 Concen: 148.86 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:18

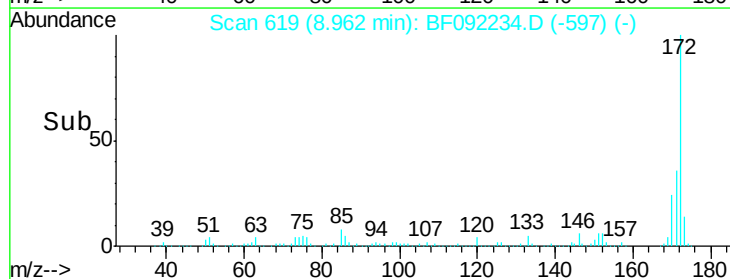
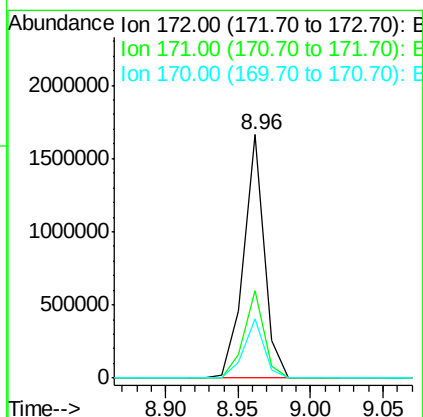
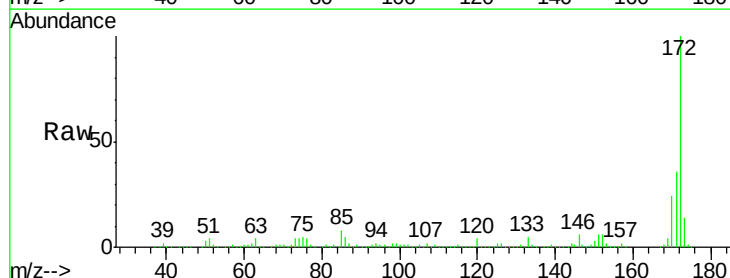
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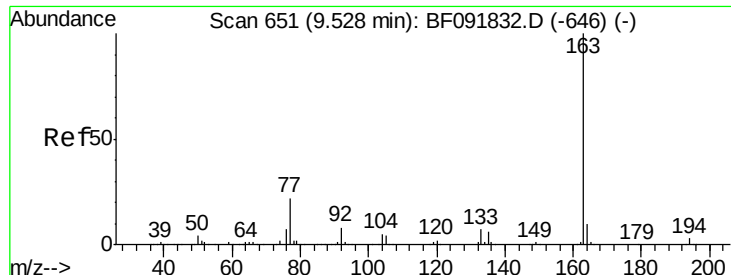
Tgt Ion:330 Resp: 381569
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.4 116.2
 141 33.8 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 113.25 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:18

Tgt Ion:172 Resp: 1647233
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.5 20.2 30.4

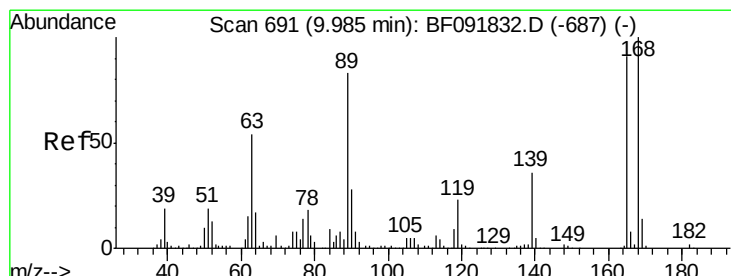
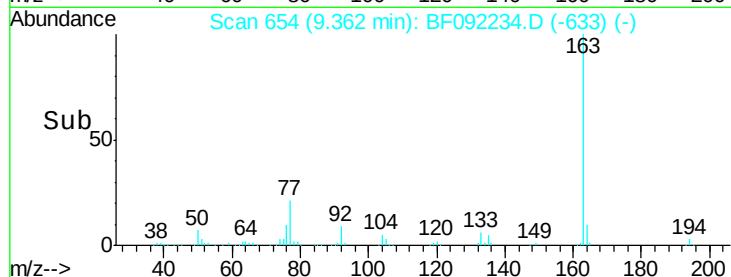
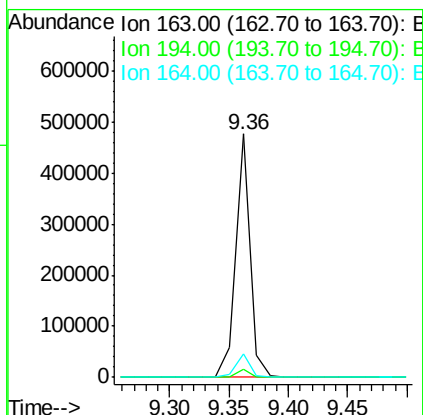
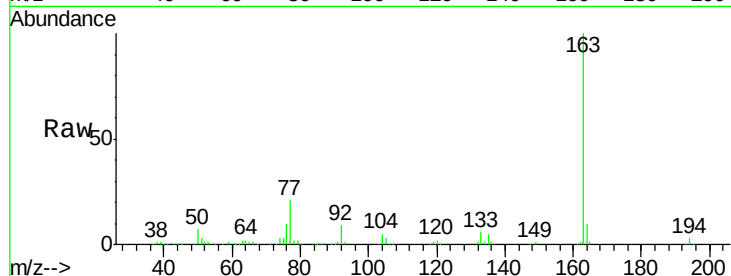




#49
Dimethylphthalate
Concen: 20.22 ng
RT: 9.36 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

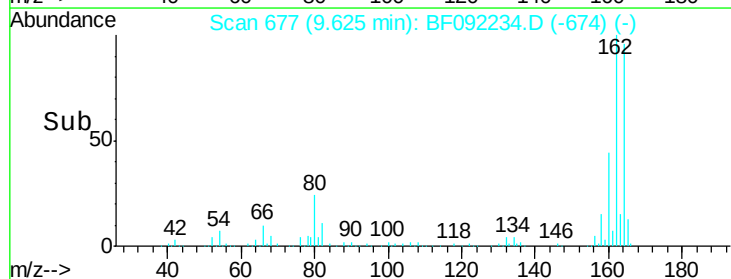
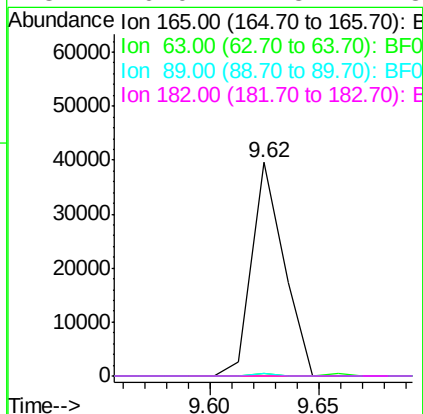
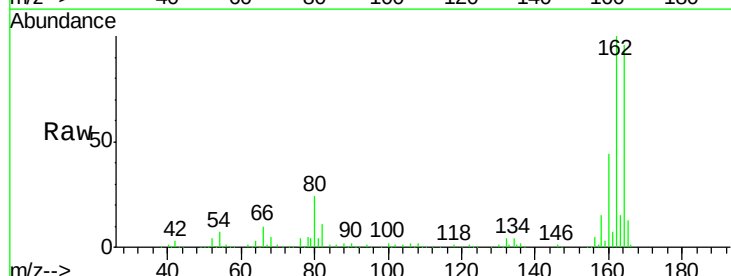
Instrument :
BNA_F
ClientSampleId :
SW-003

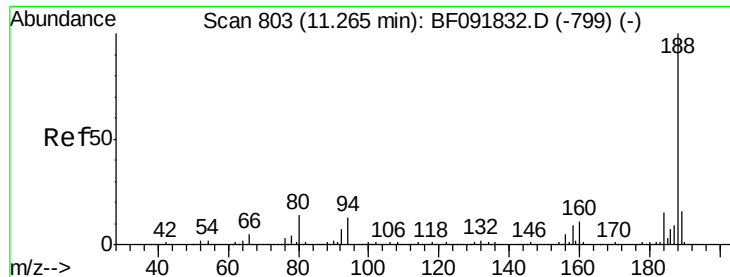
Tgt Ion:163 Resp: 400556
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 9.8 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 7.50 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.26 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Tgt Ion:165 Resp: 40824
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 1.3 62.5 93.7#
182 0.0 1.8 2.8#

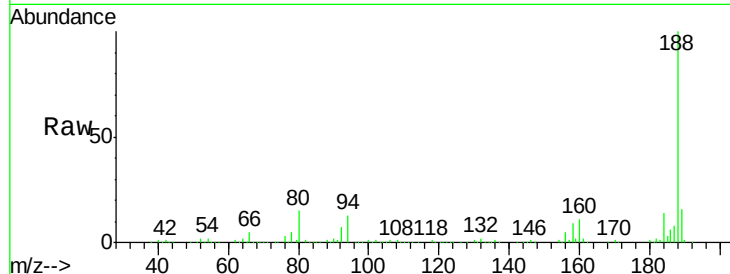




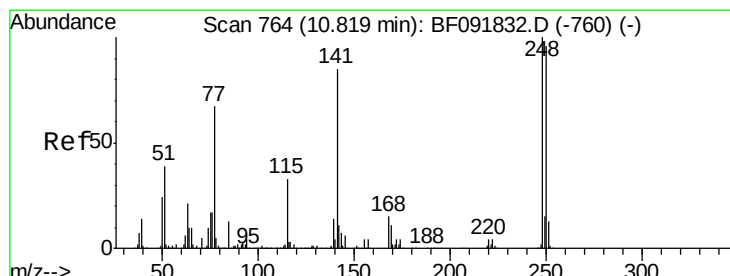
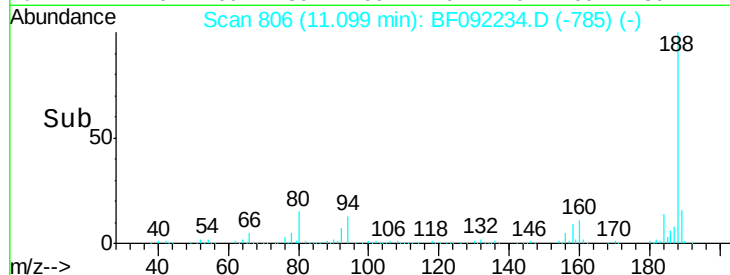
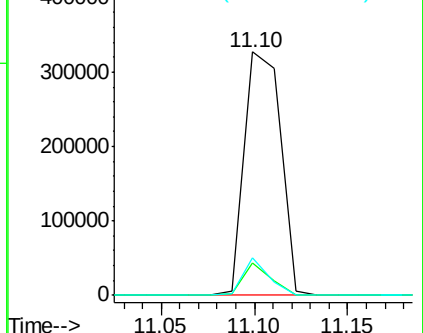
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 806
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Instrument :
BNA_F
ClientSampleId :
SW-003

Tgt Ion:188 Resp: 442763
Ion Ratio Lower Upper
188 100
94 13.4 10.0 15.0
80 15.4 11.2 16.8

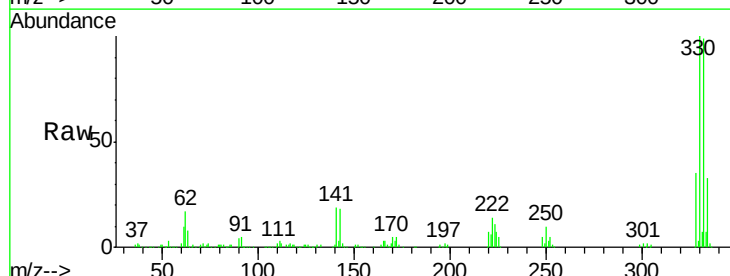


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

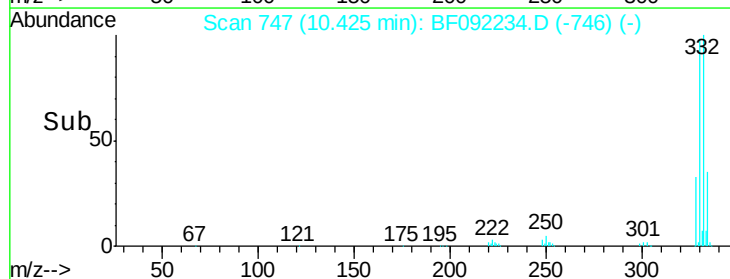
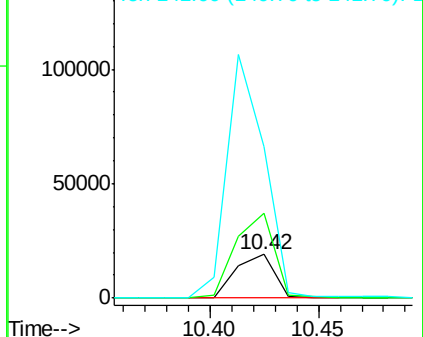


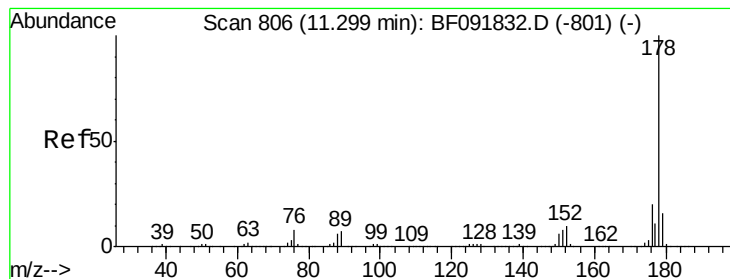
#66
4-Bromophenyl-phenylether
Concen: 5.10 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.29 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Tgt Ion:248 Resp: 23486
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 345.9 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: 3.94 ng

RT: 11.13 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

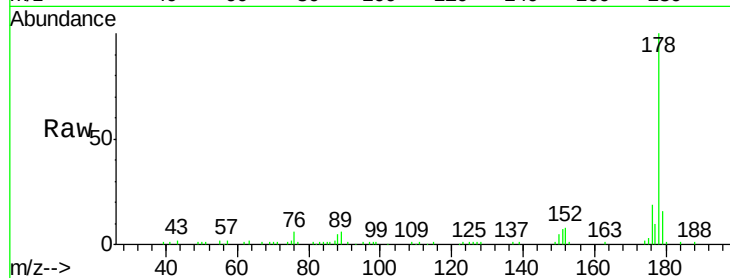
Tgt Ion:178 Resp: 94608

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

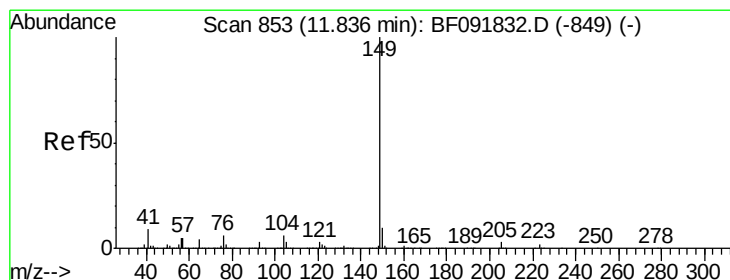
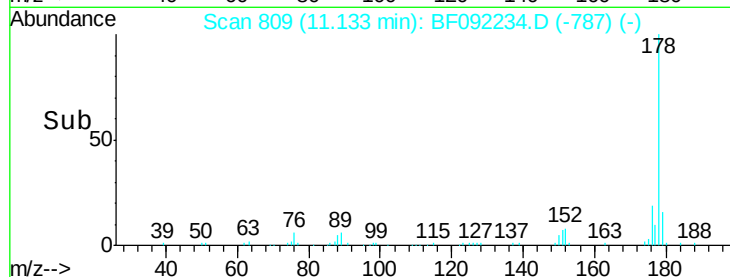
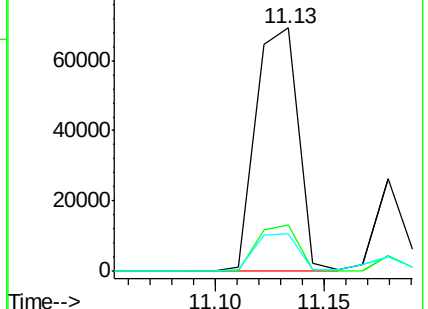
179 15.5 12.8 19.2



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: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

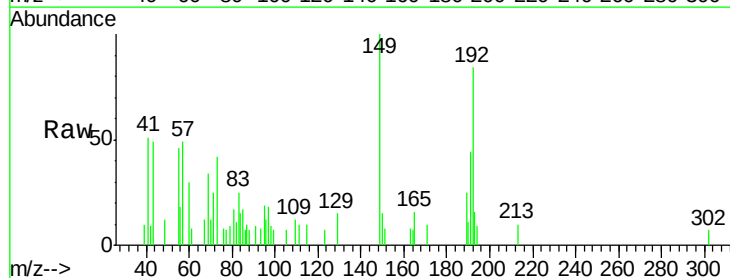
Tgt Ion:149 Resp: 4312

Ion Ratio Lower Upper

149 100

150 15.3 8.1 12.1#

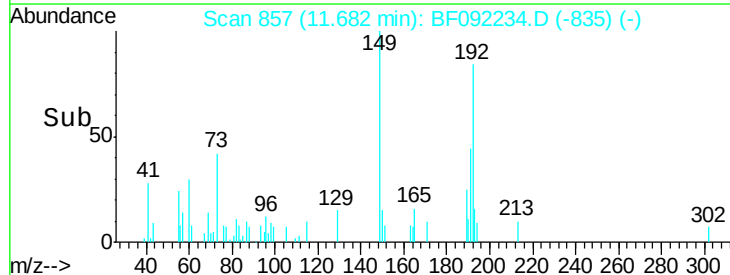
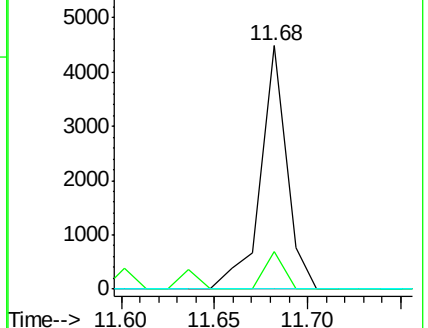
104 0.0 4.6 7.0#

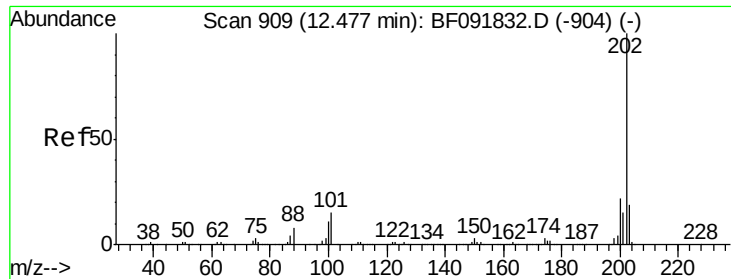


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 2.39 ng

RT: 12.31 min Scan# 912

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

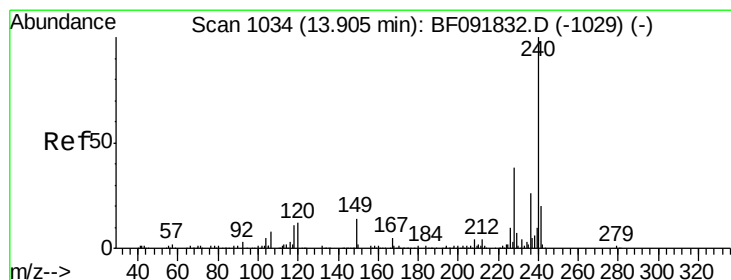
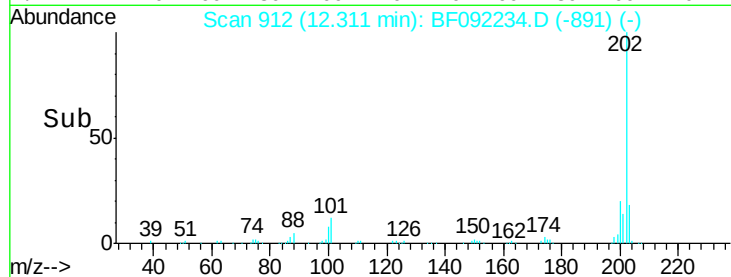
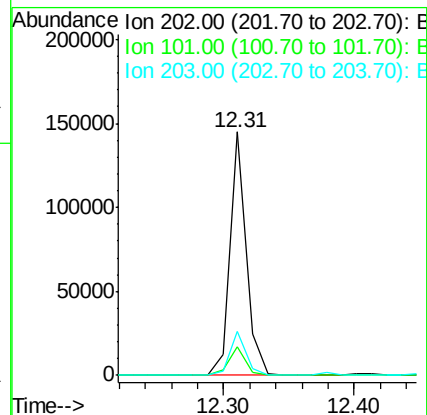
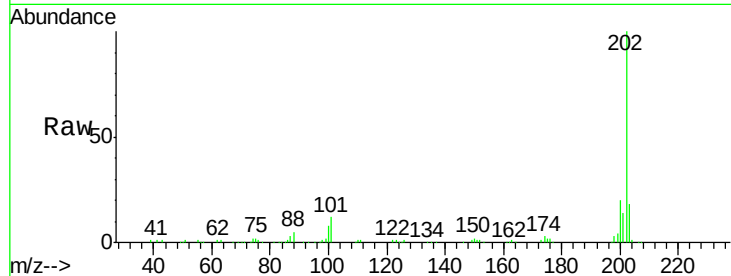
Instrument :

BNA_F

ClientSampleId :

SW-003

Tgt Ion:	202	Resp:	126645
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.6
203	18.0	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

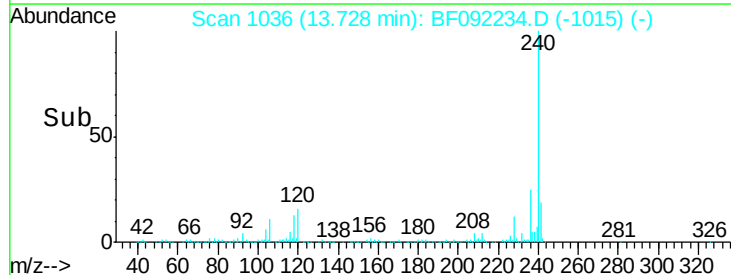
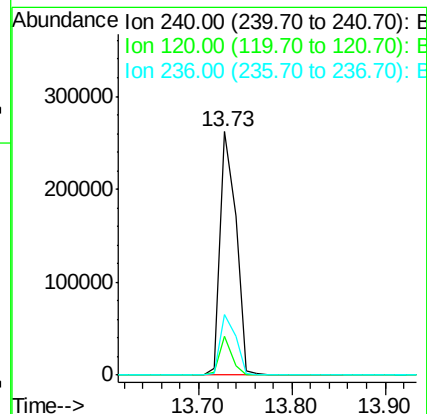
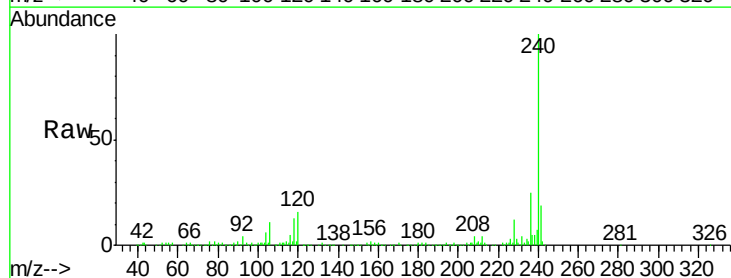
RT: 13.73 min Scan# 1036

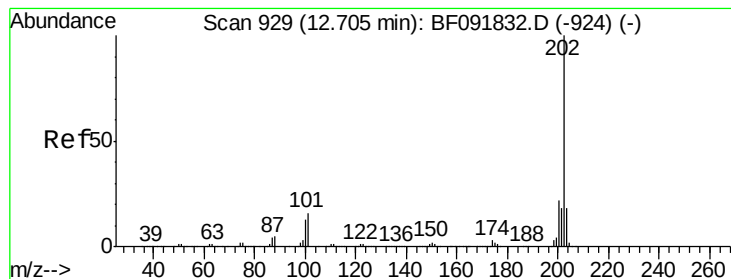
Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Tgt Ion:	240	Resp:	309493
Ion Ratio	Lower	Upper	
240	100		
120	15.7	12.9	19.3
236	25.1	20.9	31.3





#77

Pyrene

Concen: 4.44 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

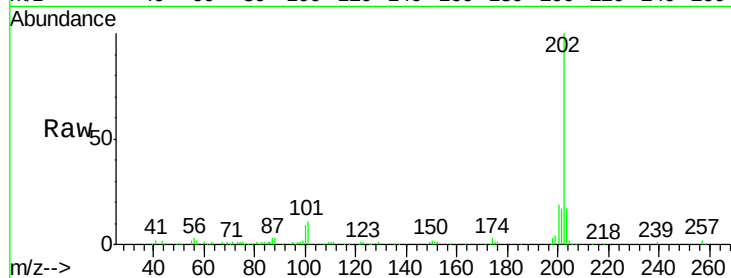
Tgt Ion:202 Resp: 100838

Ion Ratio Lower Upper

202 100

200 19.3 17.7 26.5

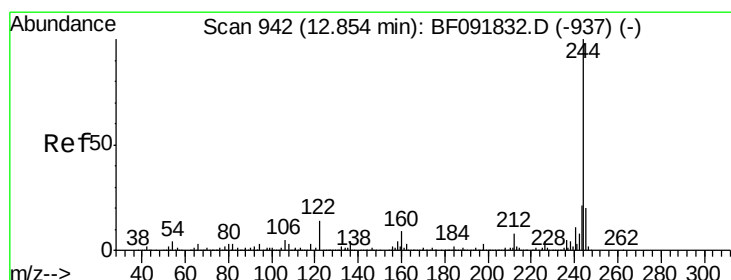
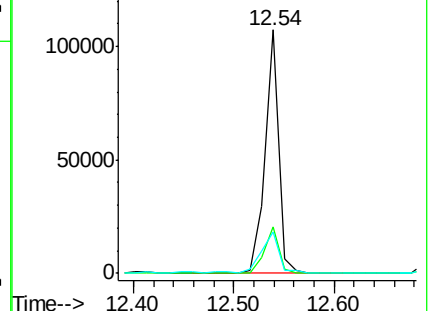
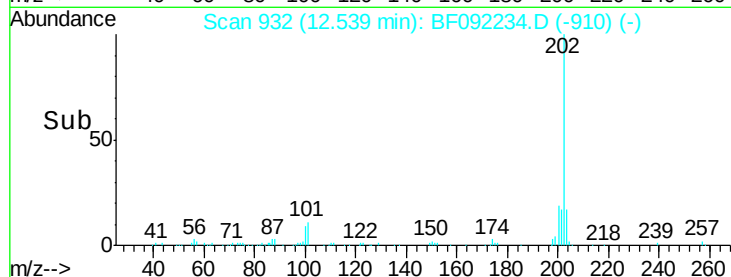
203 17.2 14.7 22.1



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: 91.57 ng

RT: 12.69 min Scan# 945

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

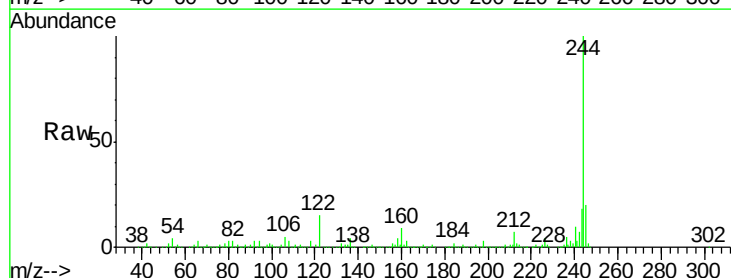
Tgt Ion:244 Resp: 1168577

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

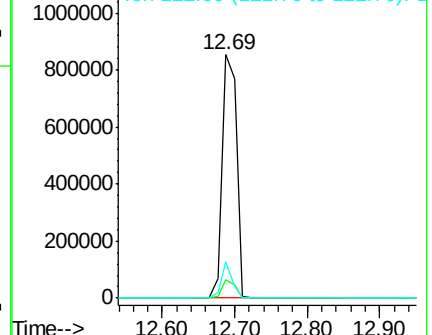
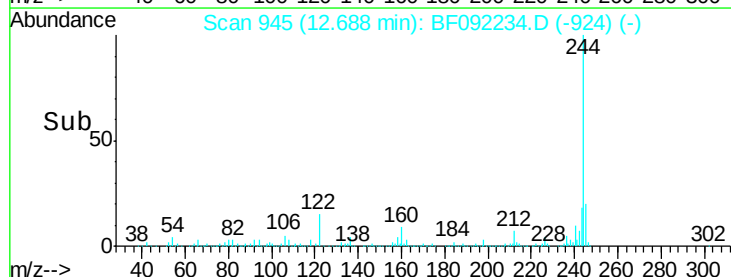
122 14.8 11.4 17.2

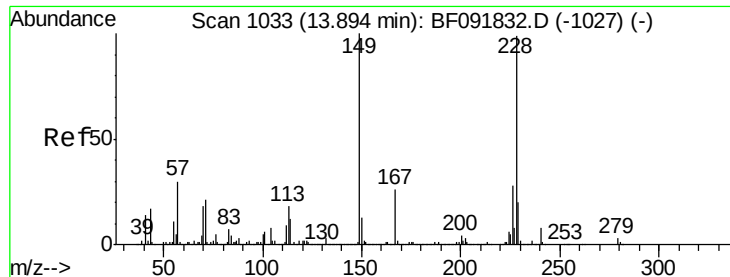


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.85 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

Instrument :

BNA_F

ClientSampleId :

SW-003

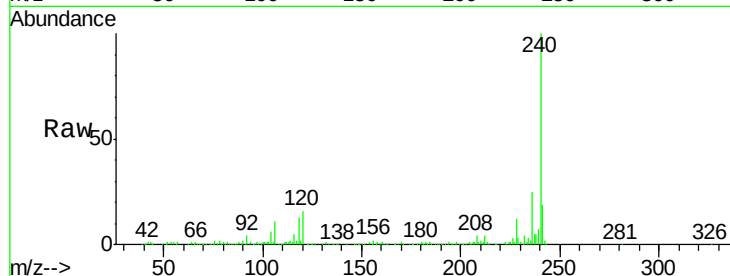
Tgt Ion:228 Resp: 49862

Ion Ratio Lower Upper

228 100

226 28.2 22.4 33.6

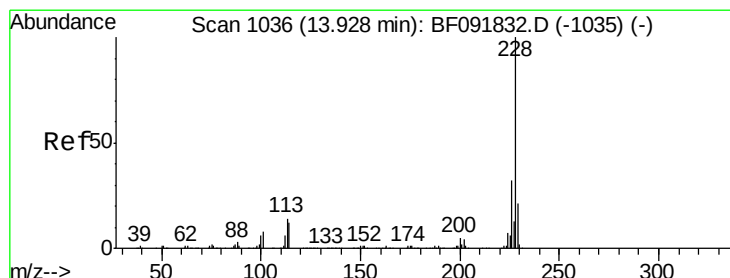
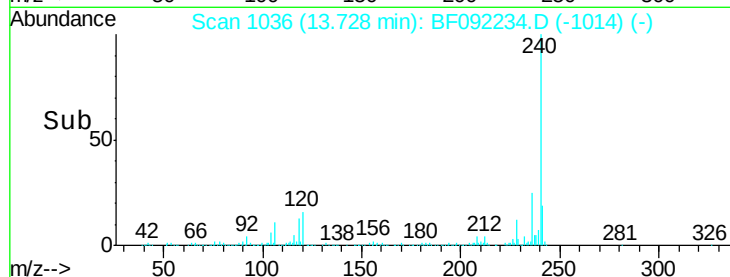
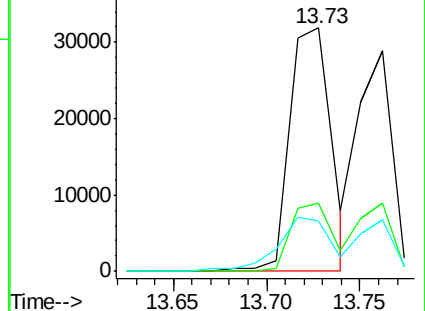
229 20.6 16.2 24.4



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: 2.85 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.08 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:18

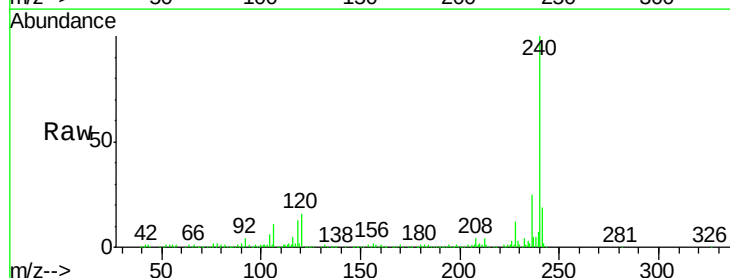
Tgt Ion:228 Resp: 49862

Ion Ratio Lower Upper

228 100

226 28.2 25.4 38.0

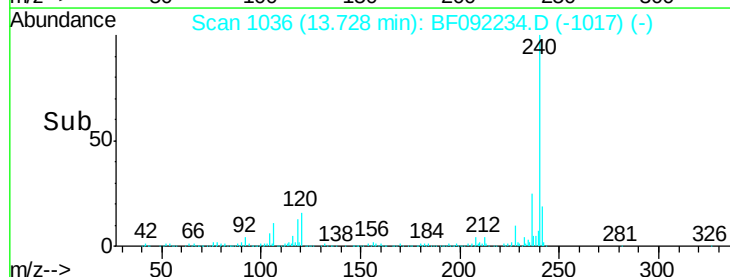
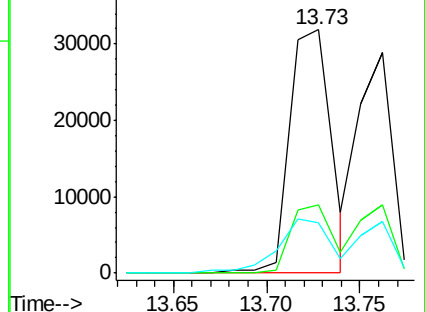
229 20.6 16.2 24.2

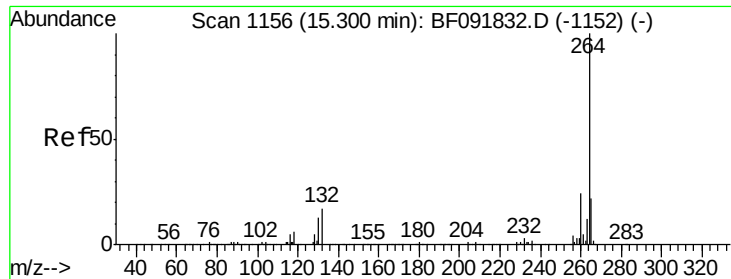


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



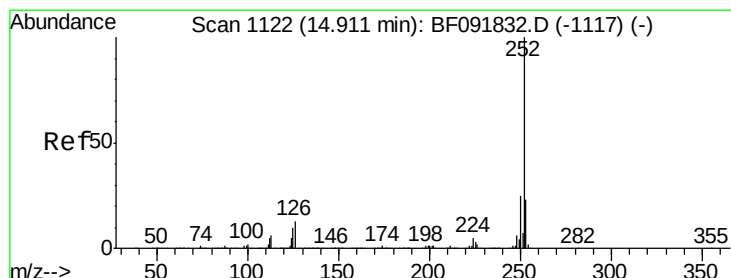
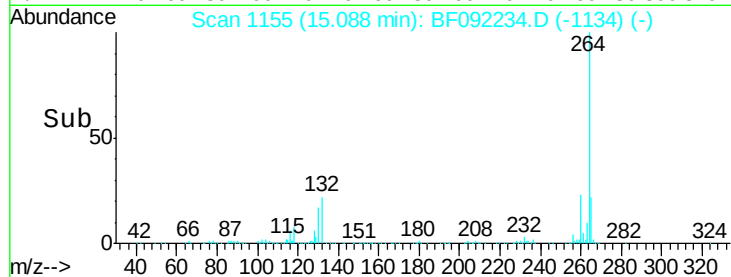
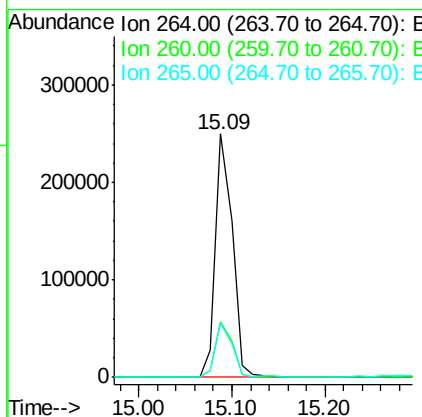
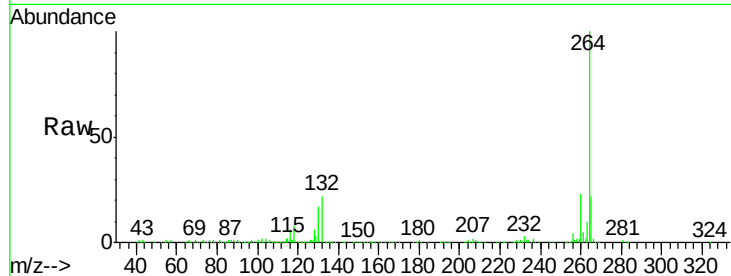


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Instrument :
BNA_F
ClientSampleId :
SW-003

Tgt Ion: 264 Resp: 314201

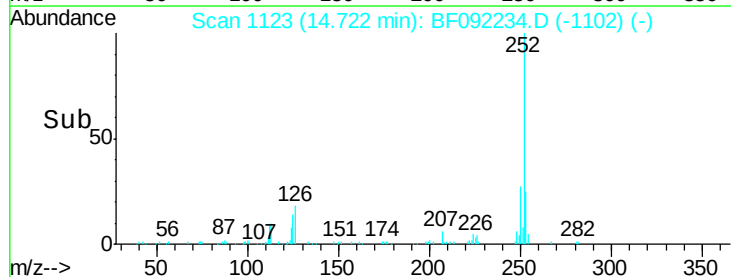
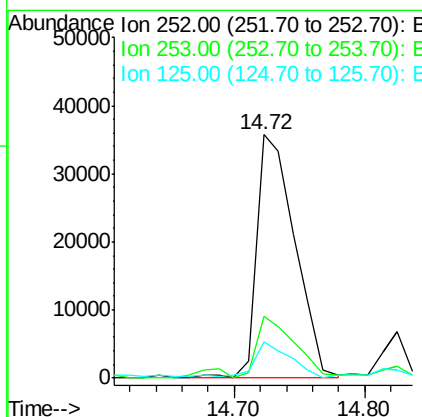
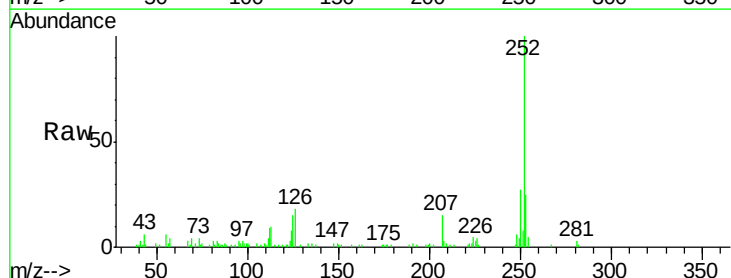
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.2	17.4	26.0

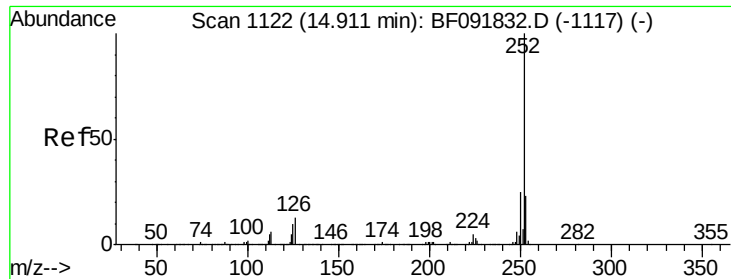


#87
Benzo(b)fluoranthene
Concen: 3.73 ng
RT: 14.72 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Tgt Ion: 252 Resp: 73041

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.4
125	14.9	9.8	14.6

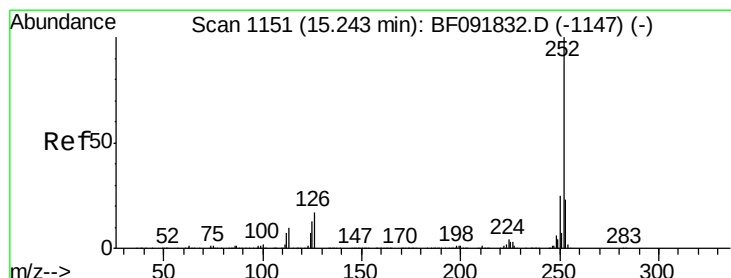
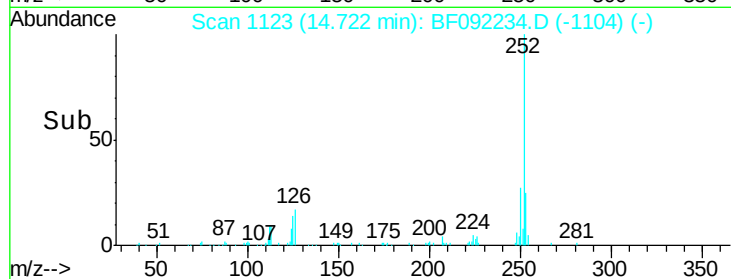
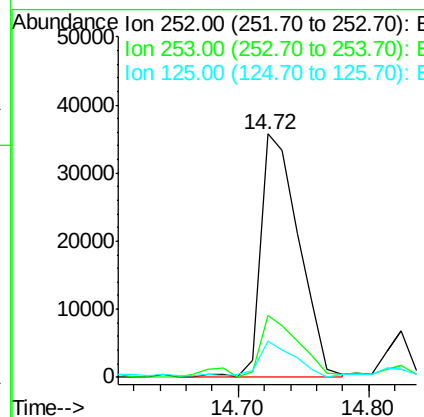
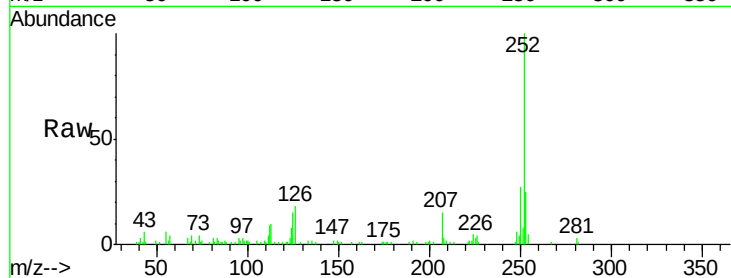




#88
Benzo(k)fluoranthene
Concen: 4.38 ng
RT: 14.72 min Scan# 1123
Delta R.T. -0.08 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Instrument :
BNA_F
ClientSampleId :
SW-003

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	14.9	8.9	13.3#



#89
Benzo(a)pyrene
Concen: 2.23 ng
RT: 15.04 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	10.8	10.0	15.0

