

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092230.D
 Acq On : 13 Jan 2017 2:52
 Operator : UM/SJ
 Sample : I1131-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Quant Time: Jan 13 06:46:17 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	166268	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	571642	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	416551	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	653366	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	396754	20.00	ng	-0.06
86) Perylene-d12	15.09	264	414720	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1110755	111.55	ng	-0.05
7) Phenol-d6	6.26	99	1681034	138.27	ng	-0.05
23) Nitrobenzene-d5	7.17	82	984060	95.72	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	406462	117.91	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1242127	56.82	ng	-0.05
78) Terphenyl-d14	12.69	244	1142195	69.82	ng	-0.06

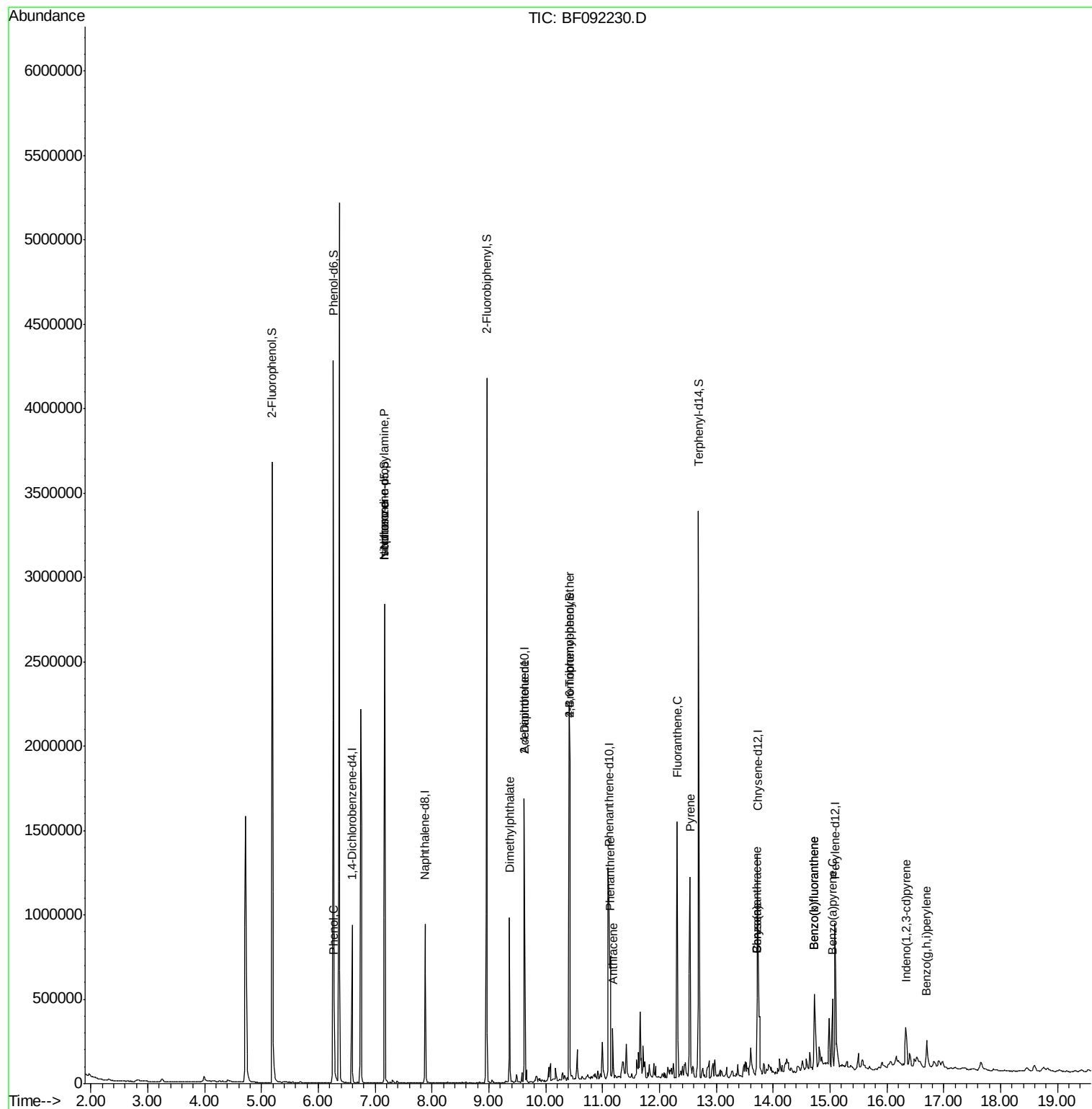
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.28	94	96135	6.94	ng	# 66
19) n-Nitroso-di-n-propylamine	7.17	70	131673	16.28	ng	# 76
25) Isophorone	7.17	82	978056	51.57	ng	# 65
37) 2-Methylnaphthalene	8.60	142	2319	Below Cal		95
49) Dimethylphthalate	9.36	163	381527	14.32	ng	99
56) 2,4-Dinitrotoluene	9.62	165	54592	7.46	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	23786	3.50	ng	# 1
70) Phenanthrene	11.13	178	397656	11.22	ng	96
71) Anthracene	11.18	178	106156	2.05	ng	97
73) Di-n-butylphthalate	11.68	149	8965	Below Cal	#	92
74) Fluoranthene	12.31	202	575016	16.04	ng	98
76) Benzidine	12.69	184	14690	Below Cal	#	96
77) Pyrene	12.54	202	520076	17.87	ng	98
80) Benzo(a)anthracene	13.72	228	223808	9.99	ng	98
82) Chrysene	13.72	228	223808	9.96	ng	96
85) Indeno(1,2,3-cd)pyrene	16.33	276	131627	6.76	ng	97
87) Benzo(b)fluoranthene	14.72	252	352599	13.66	ng	# 98
88) Benzo(k)fluoranthene	14.72	252	352599	16.01	ng	# 97
89) Benzo(a)pyrene	15.04	252	189269	8.26	ng	97
91) Benzo(g,h,i)perylene	16.70	276	118959	6.07	ng	# 88

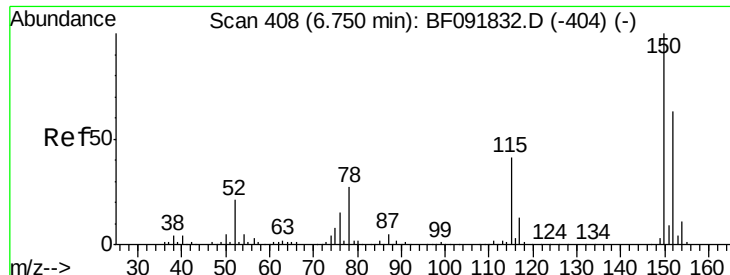
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

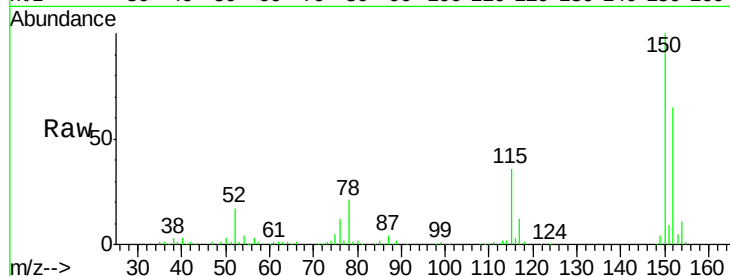
Tgt Ion:152 Resp: 166268

Ion Ratio Lower Upper

152 100

150 153.5 124.9 187.3

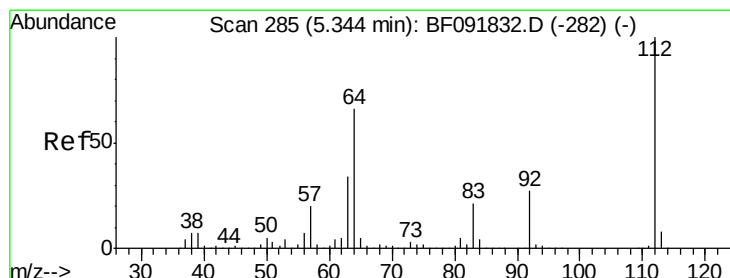
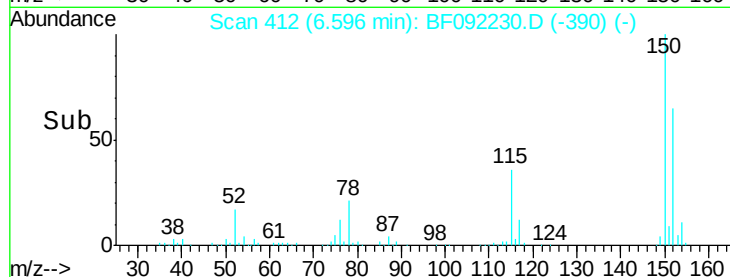
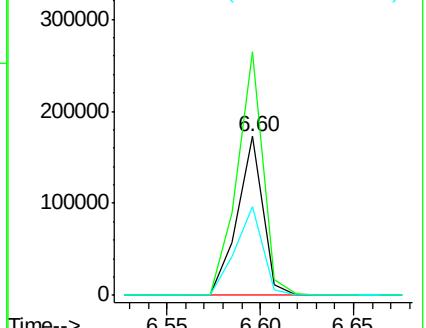
115 55.8 46.0 69.0



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: 111.55 ng

RT: 5.19 min Scan# 289

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

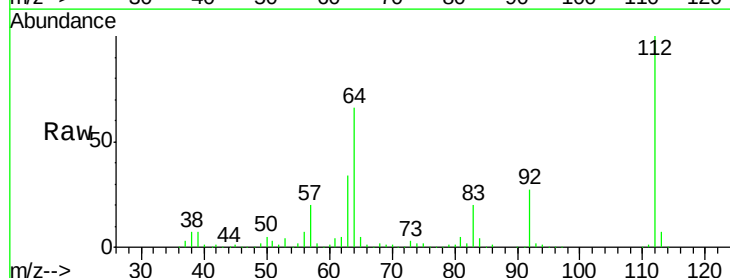
Tgt Ion:112 Resp: 1110755

Ion Ratio Lower Upper

112 100

64 66.1 46.1 69.1

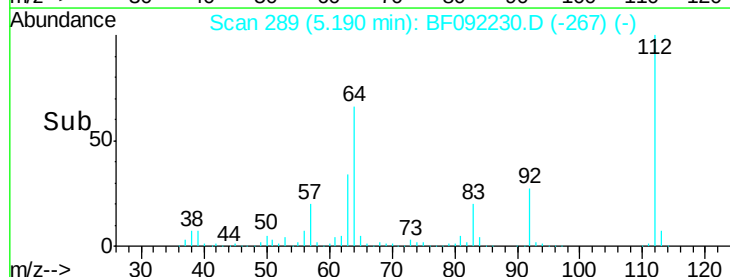
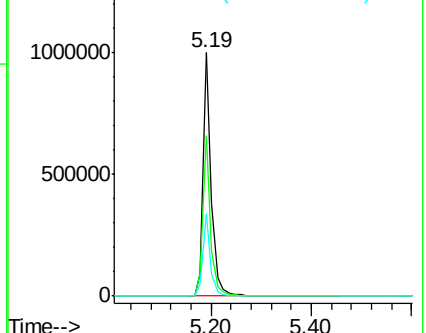
63 33.8 23.8 35.6

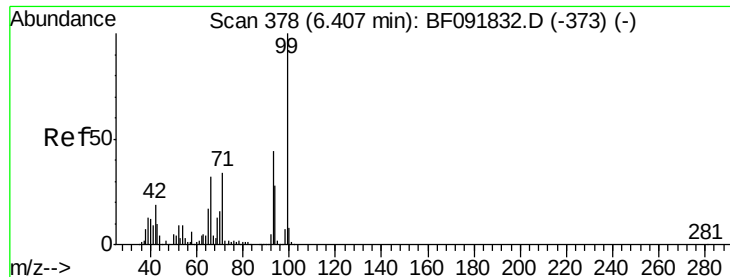


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.27 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

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ClientSampleId :

SW-001

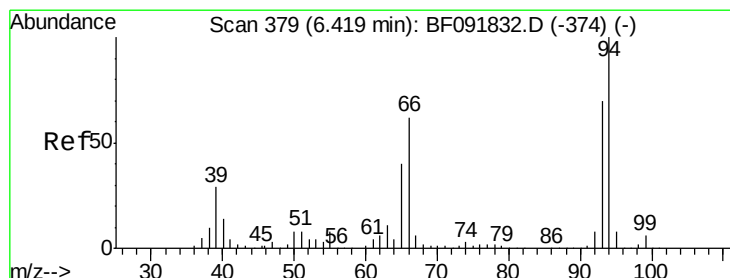
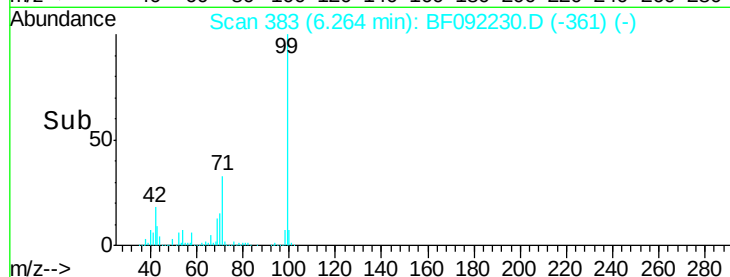
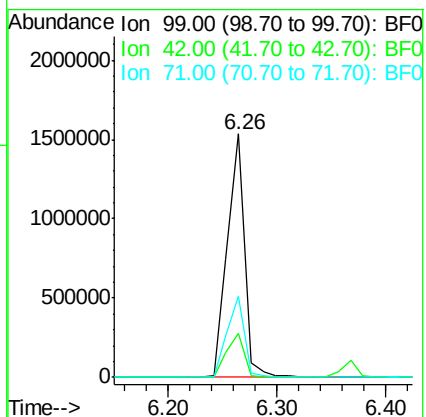
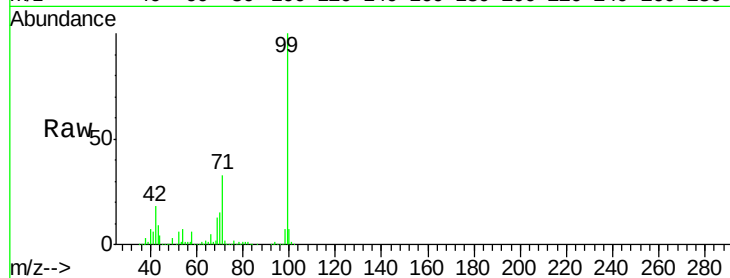
Tgt Ion: 99 Resp: 1681034

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

71 33.4 27.5 41.3



#10

Phenol

Concen: 6.94 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

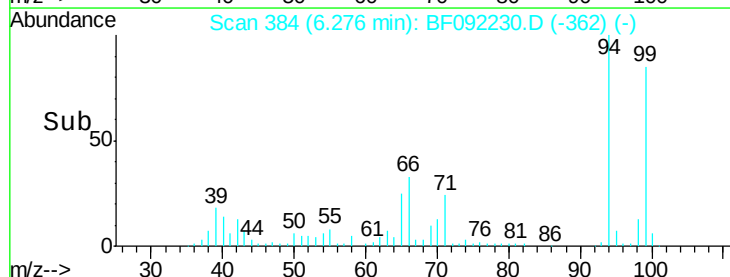
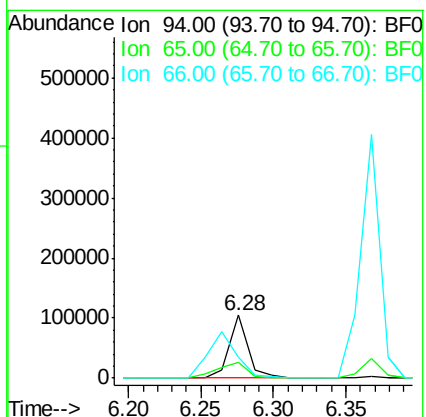
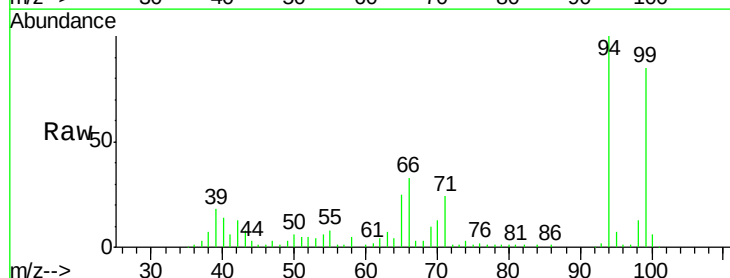
Tgt Ion: 94 Resp: 96135

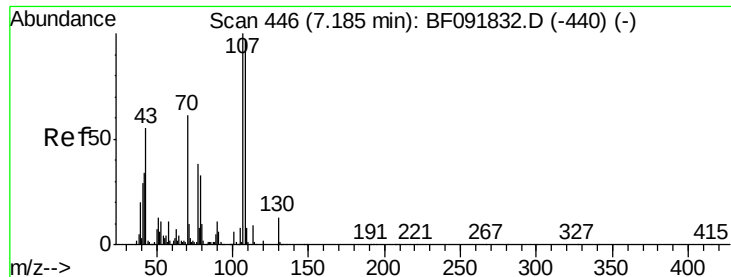
Ion Ratio Lower Upper

94 100

65 25.0 21.4 61.4

66 33.0 44.0 84.0#

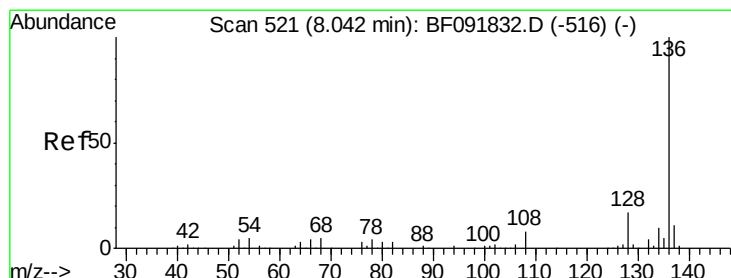
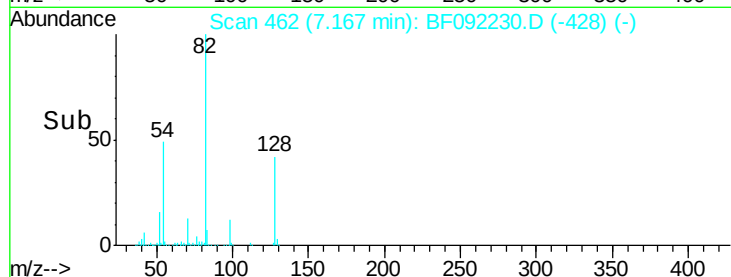
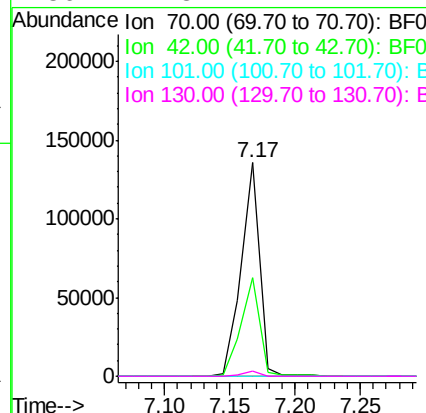
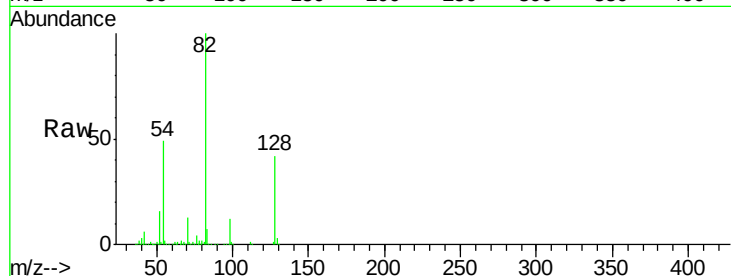




#19
n-Nitroso-di-n-propylamine
Concen: 16.28 ng
RT: 7.17 min Scan# 462
Delta R.T. 0.09 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

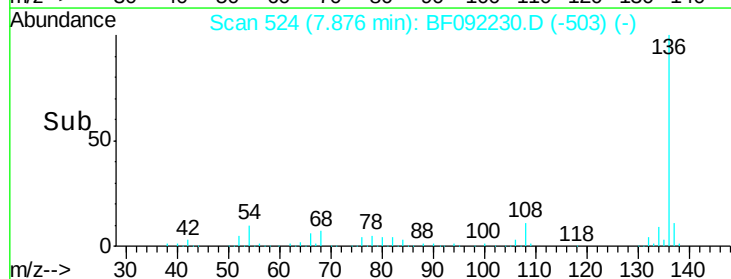
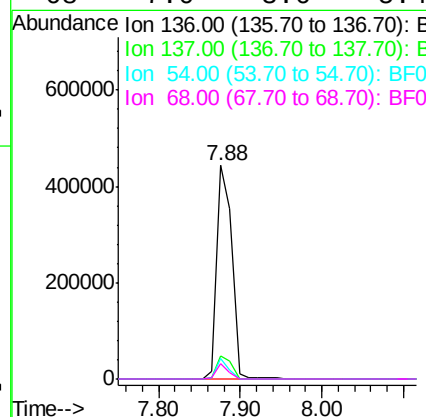
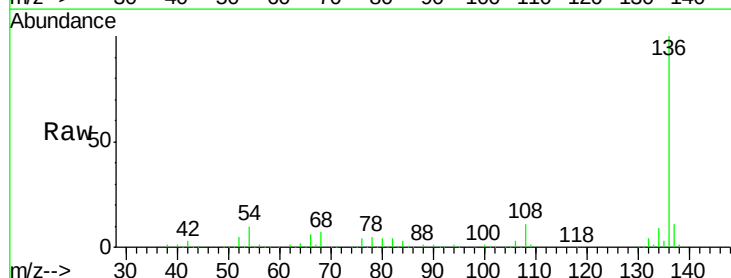
Instrument :
BNA_F
ClientSampleId :
SW-001

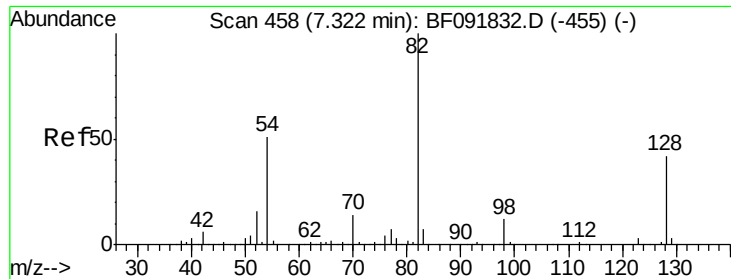
Tgt Ion:	70	Resp:	131673
Ion	Ratio	Lower	Upper
70	100		
42	46.3	49.4	74.0#
101	0.0	7.4	11.2#
130	2.3	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion:	136	Resp:	571642
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.9	4.5	6.7#
68	7.0	3.6	5.4#

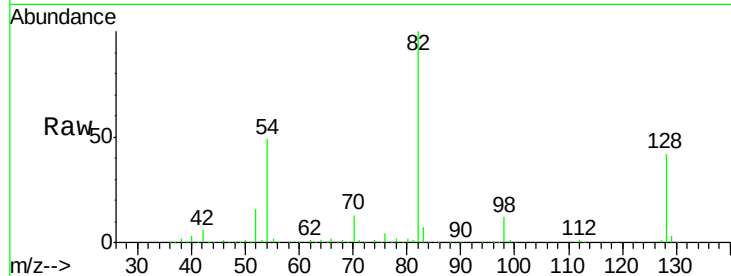




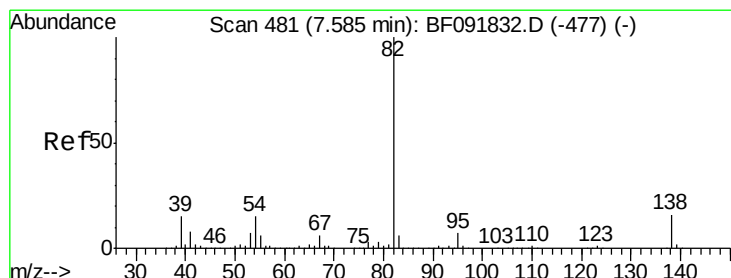
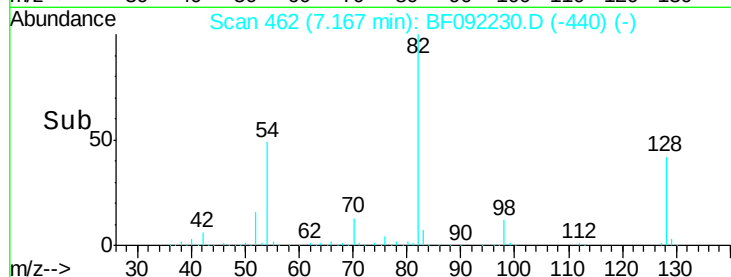
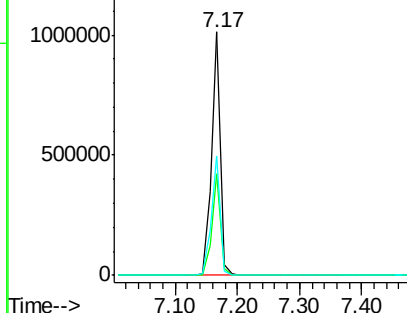
#23
Nitrobenzene-d5
Concen: 95.72 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampled :
SW-001

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	49.2	39.5	59.3

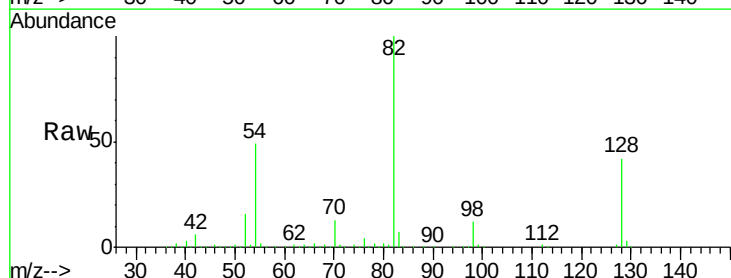


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

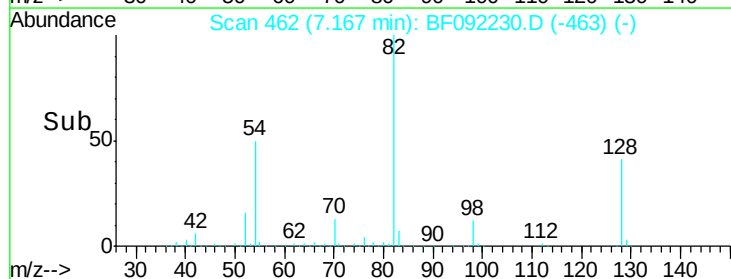
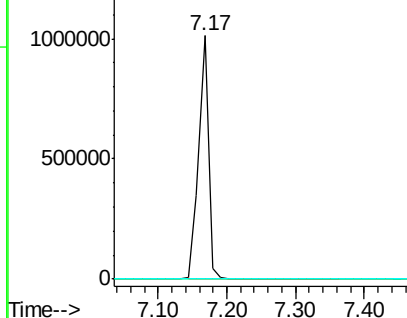


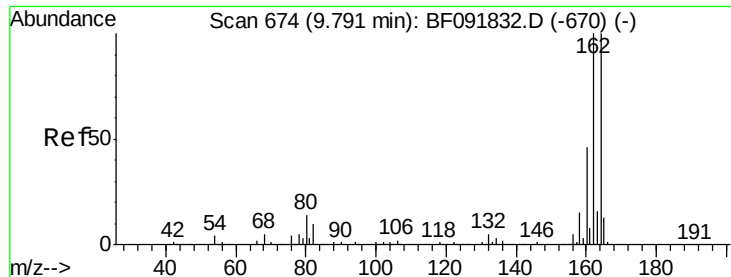
#25
Isophorone
Concen: 51.57 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.31 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt 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# 677

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

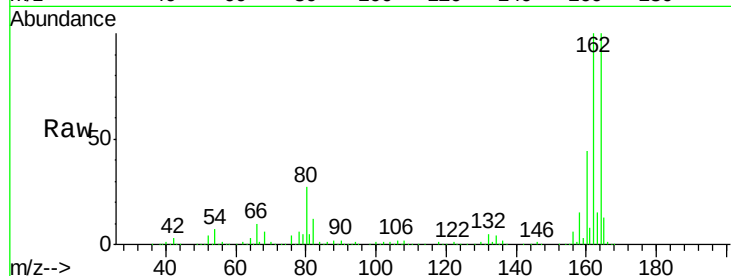
Tgt Ion:164 Resp: 416551

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

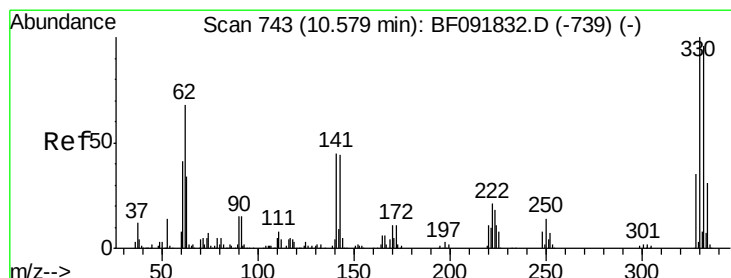
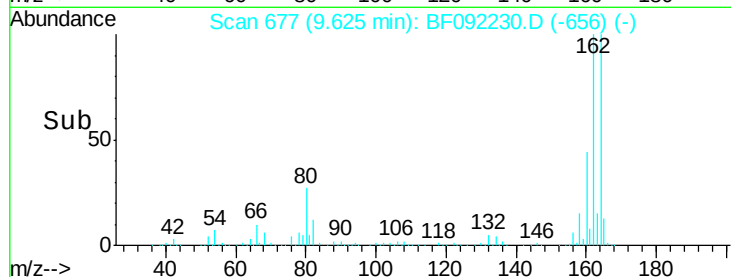
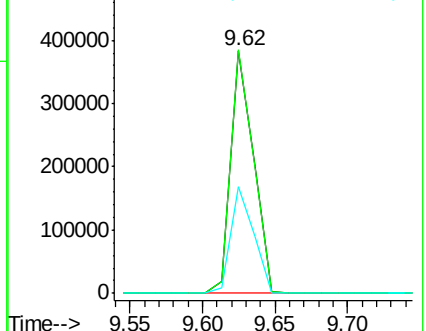
160 44.2 36.9 55.3



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: 117.91 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

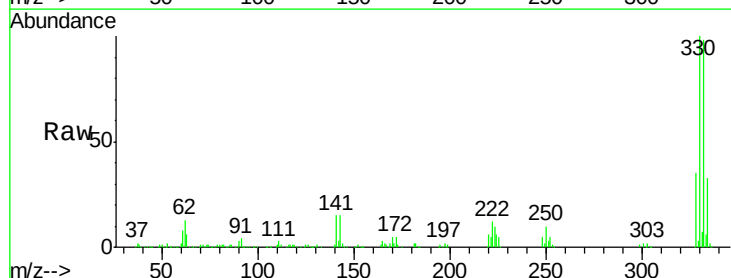
Tgt Ion:330 Resp: 406462

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

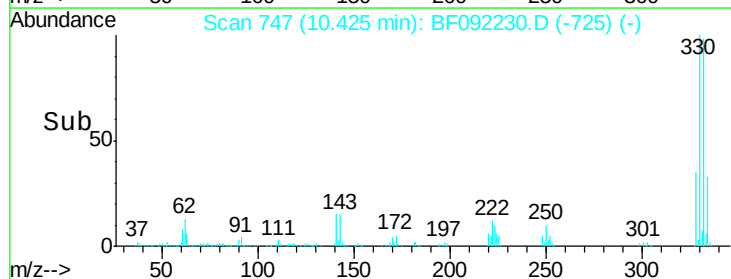
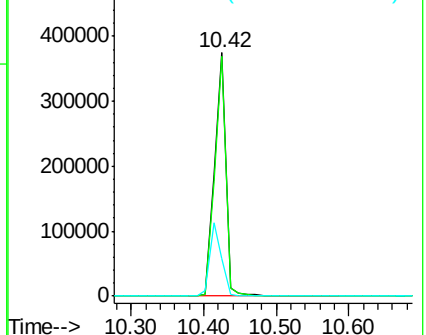
141 31.3 34.1 51.1#

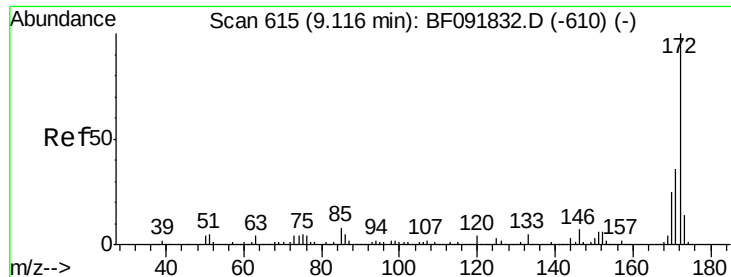


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

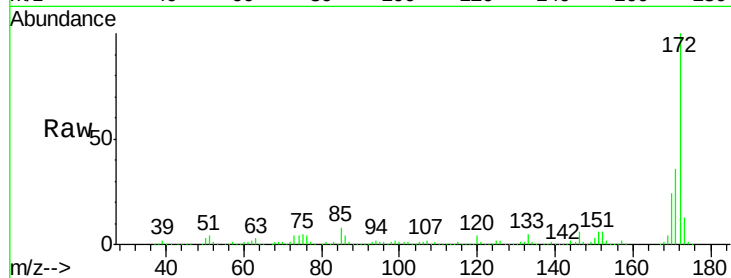




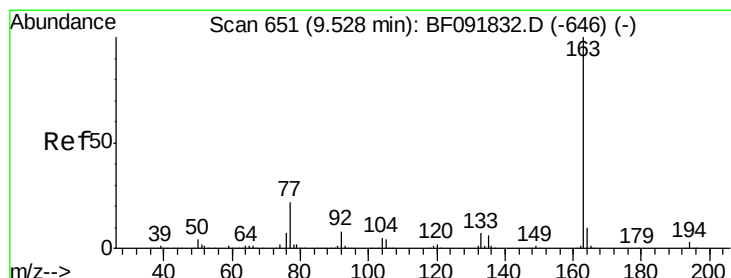
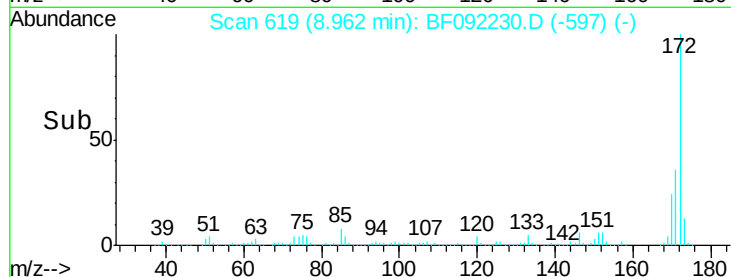
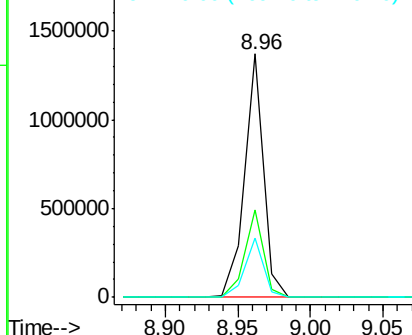
#44
2-Fluorobiphenyl
Concen: 56.82 ng
RT: 8.96 min Scan# 619
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tgt Ion:172 Resp: 1242127
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.2 20.2 30.4

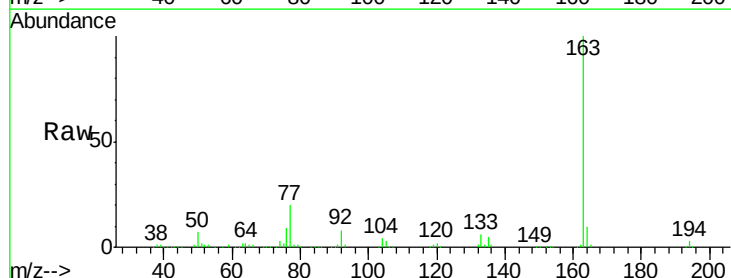


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

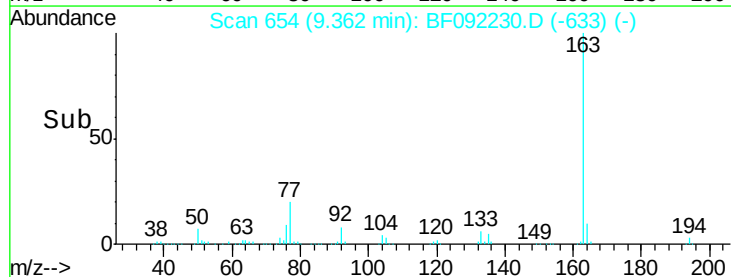
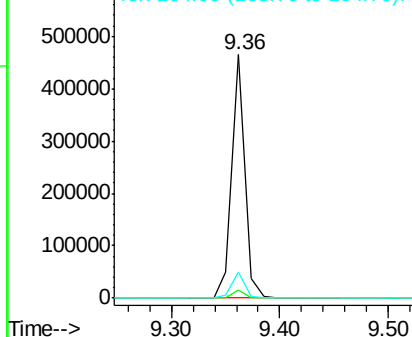


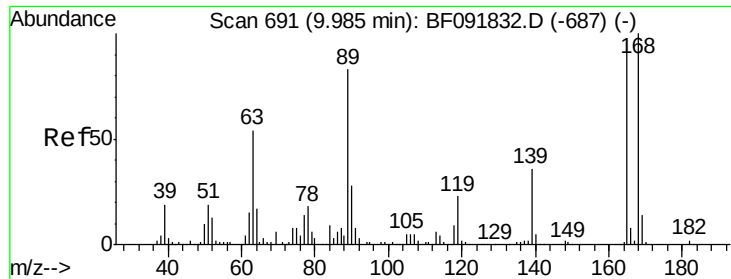
#49
Dimethylphthalate
Concen: 14.32 ng
RT: 9.36 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion:163 Resp: 381527
Ion Ratio Lower Upper
163 100
194 3.2 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

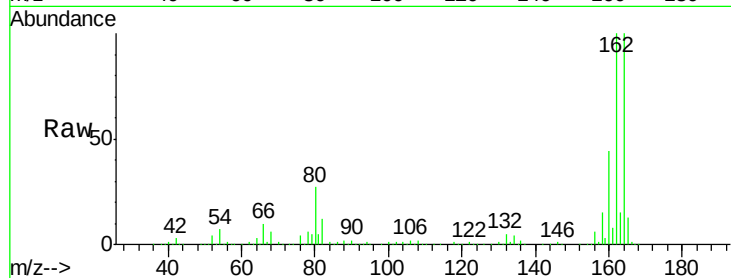




#56
2,4-Dinitrotoluene
Concen: 7.46 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.26 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

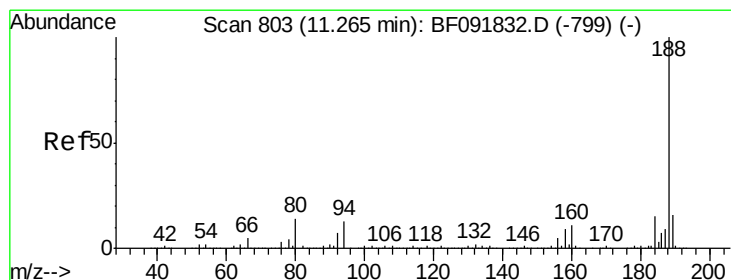
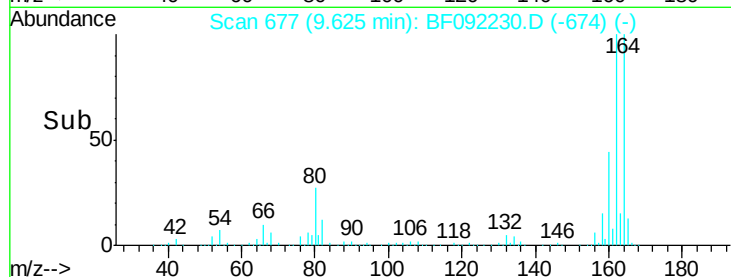
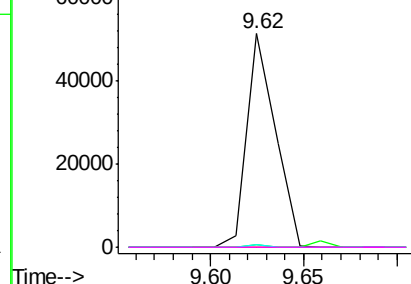


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

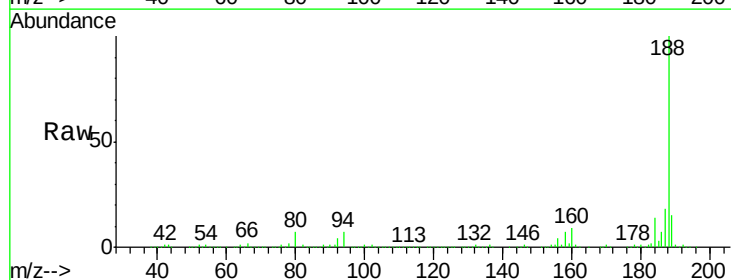
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

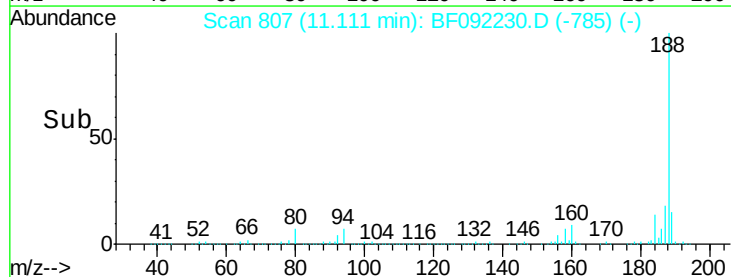
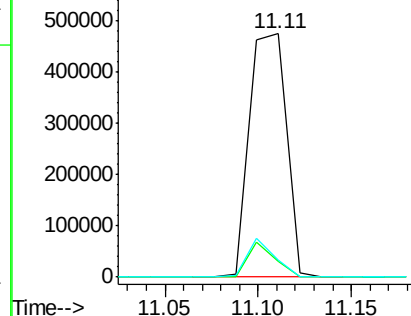
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	10.0	15.0#
80	6.8	11.2	16.8#

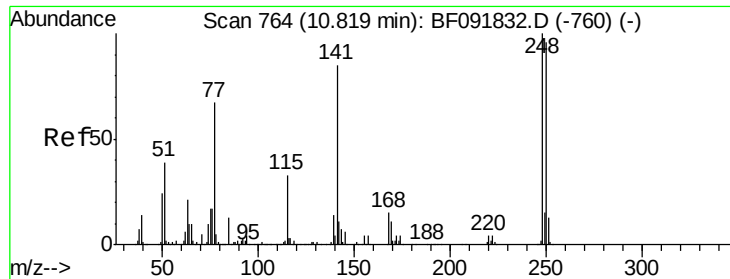


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

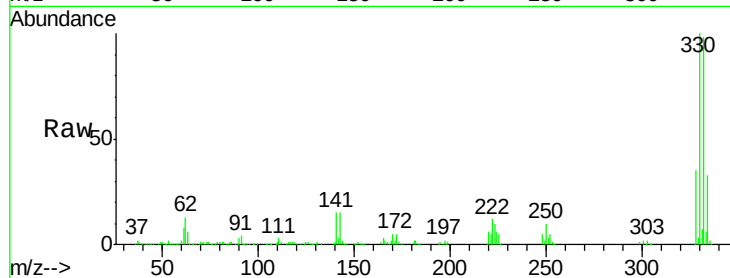




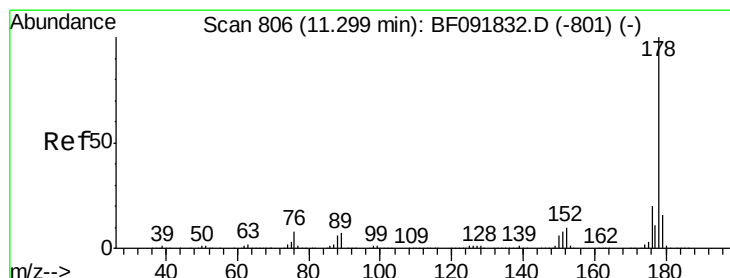
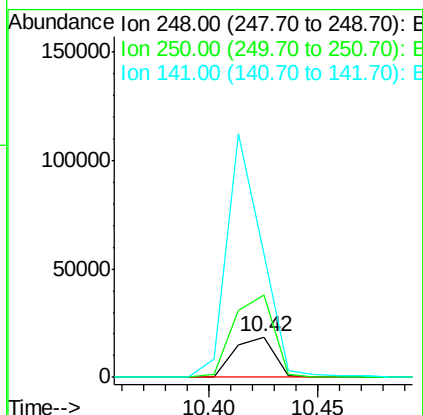
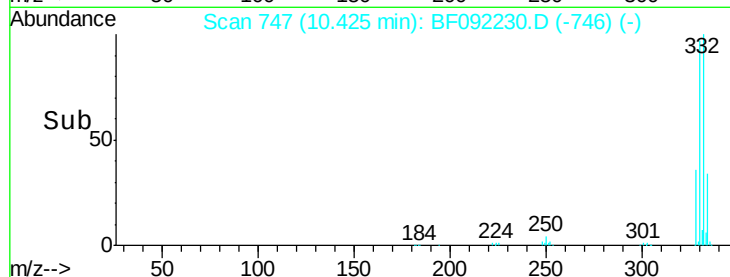
#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.29 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Tgt Ion: 248 Resp: 23786
 Ion Ratio Lower Upper
 248 100
 250 206.4 76.9 115.3#
 141 309.0 68.2 102.4#

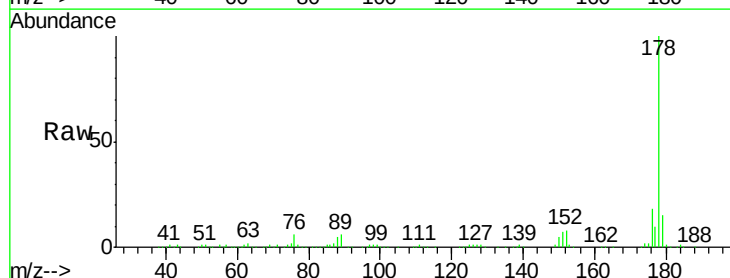


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

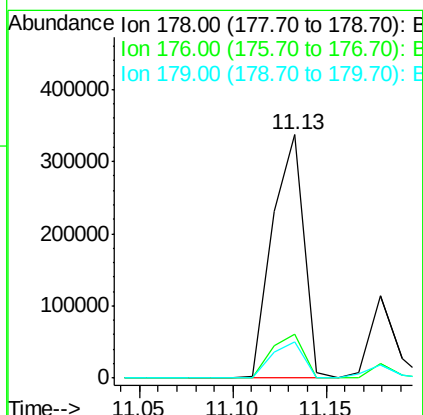
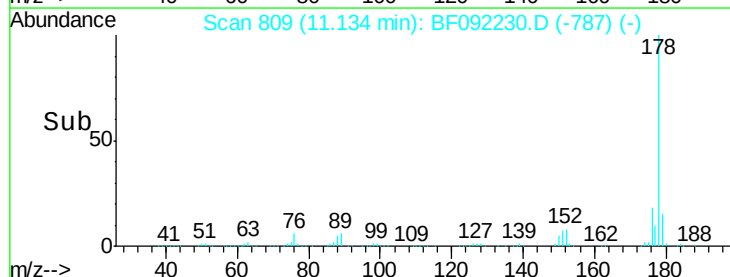


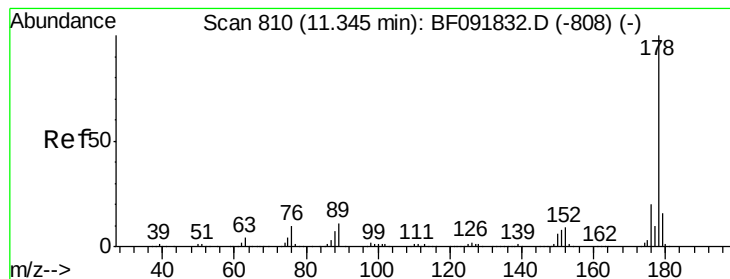
#70
 Phenanthrene
 Concen: 11.22 ng
 RT: 11.13 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Tgt Ion: 178 Resp: 397656
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.6 25.0
 179 15.0 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





#71

Anthracene

Concen: 2.05 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

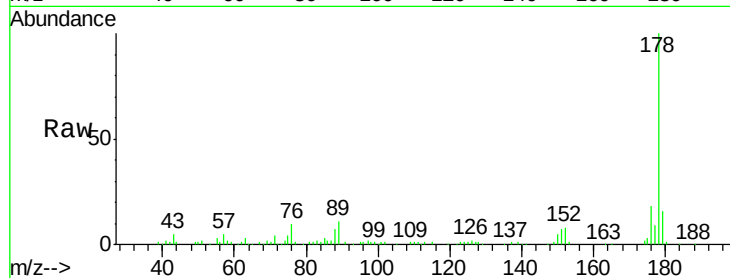
Tgt Ion:178 Resp: 106156

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

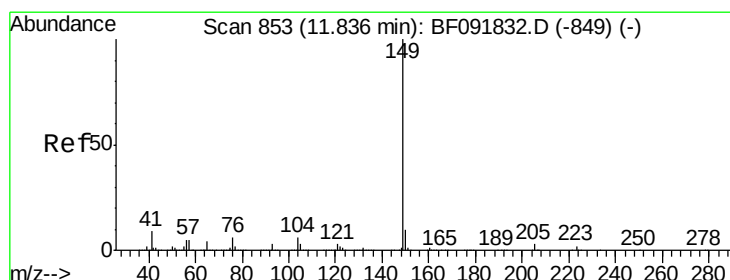
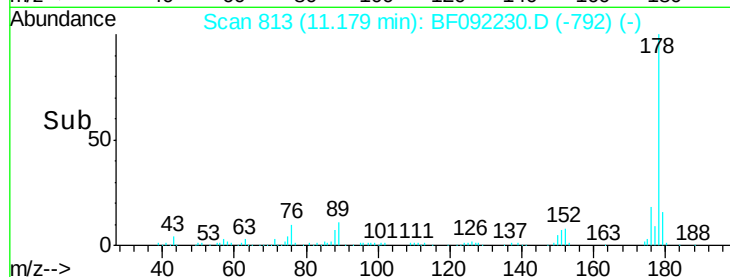
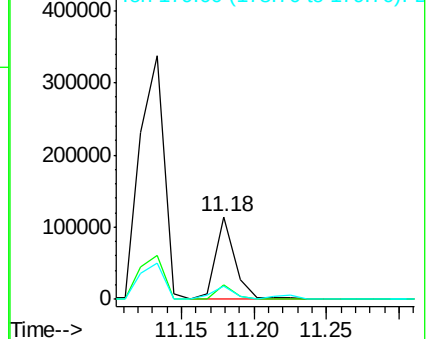
179 16.1 13.2 19.8



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: BF092230.D

Acq: 13 Jan 2017 2:52

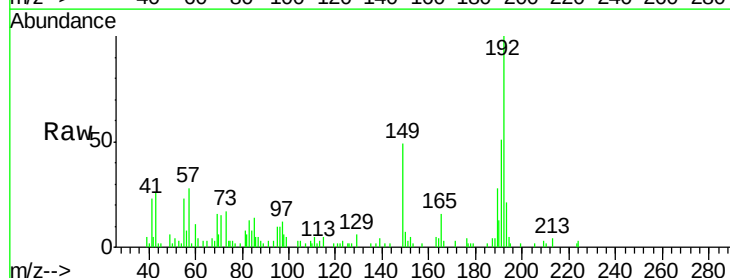
Tgt Ion:149 Resp: 8965

Ion Ratio Lower Upper

149 100

150 14.5 8.1 12.1#

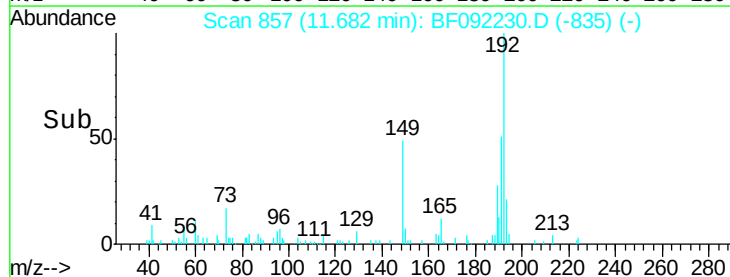
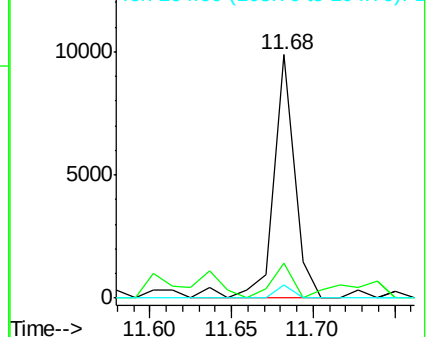
104 5.5 4.6 7.0

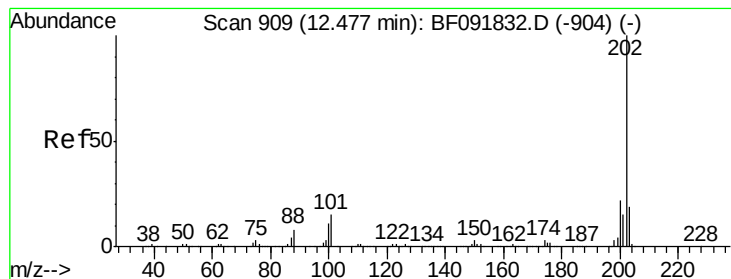


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 16.04 ng

RT: 12.31 min Scan# 912

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

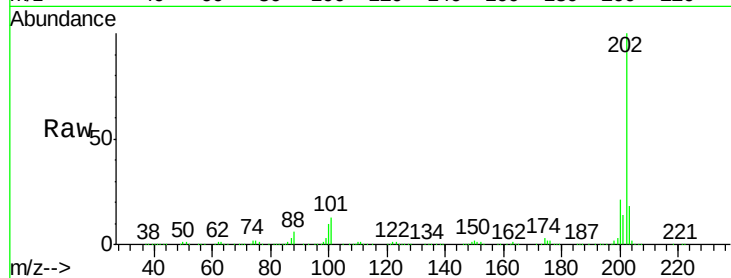
Tgt Ion: 202 Resp: 575016

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.6

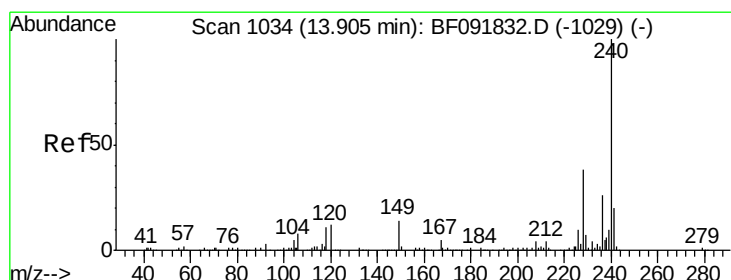
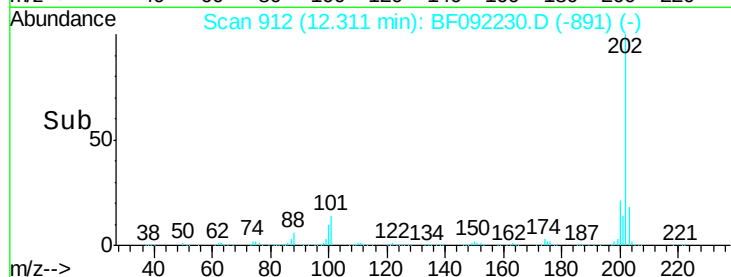
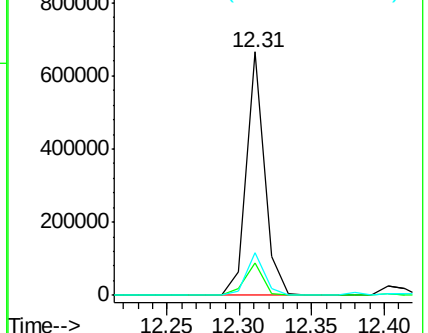
203 17.7 0.0 38.7



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: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

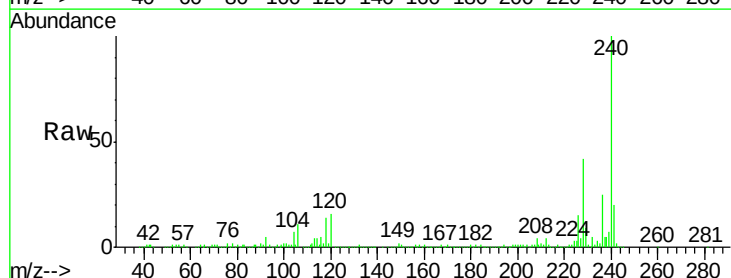
Tgt Ion: 240 Resp: 396754

Ion Ratio Lower Upper

240 100

120 16.0 12.9 19.3

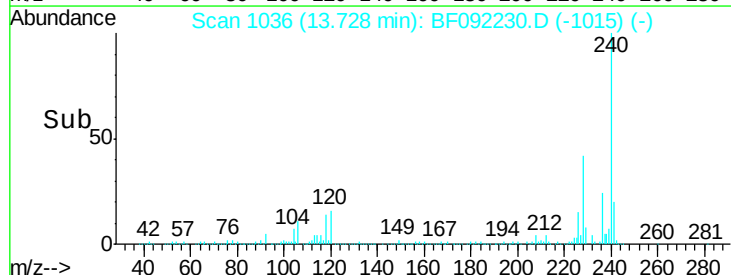
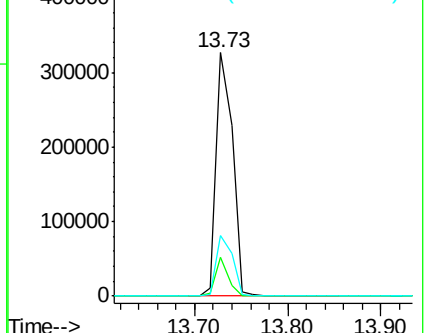
236 24.8 20.9 31.3

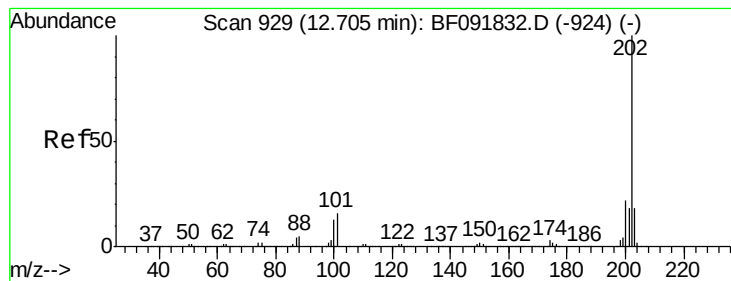


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.87 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

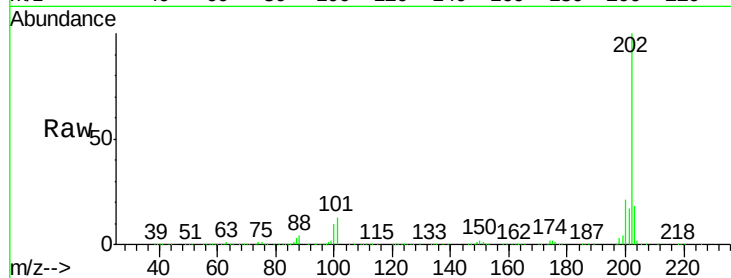
Tgt Ion:202 Resp: 520076

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

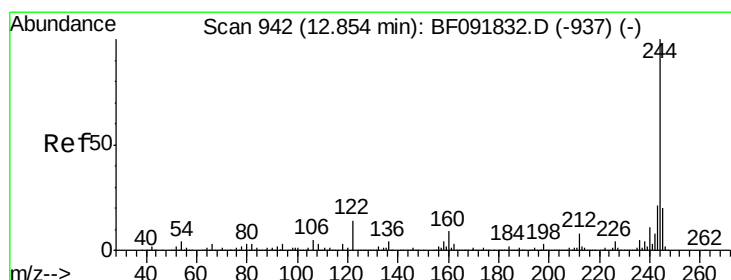
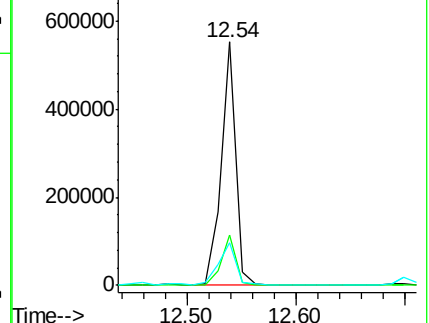
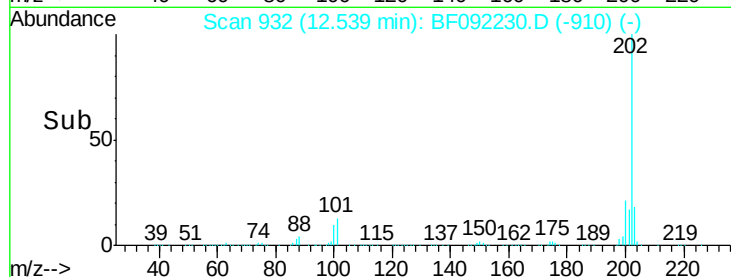
203 17.8 14.7 22.1



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: 69.82 ng

RT: 12.69 min Scan# 945

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

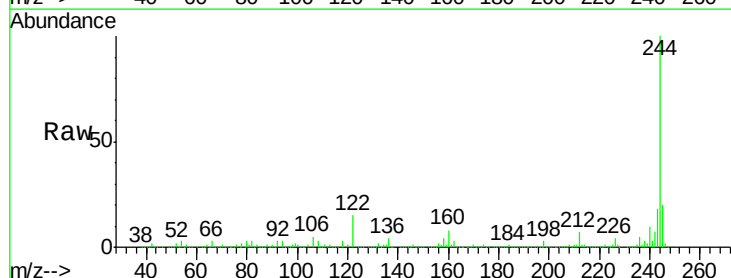
Tgt Ion:244 Resp: 1142195

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

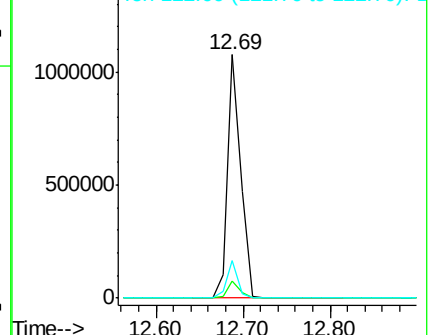
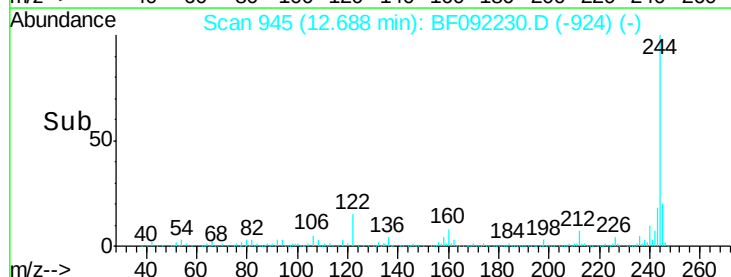
122 15.2 11.4 17.2

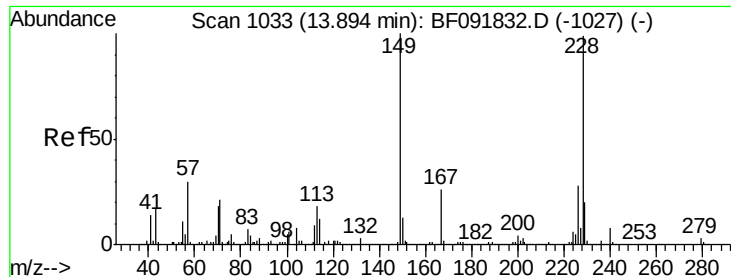


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.99 ng

RT: 13.72 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

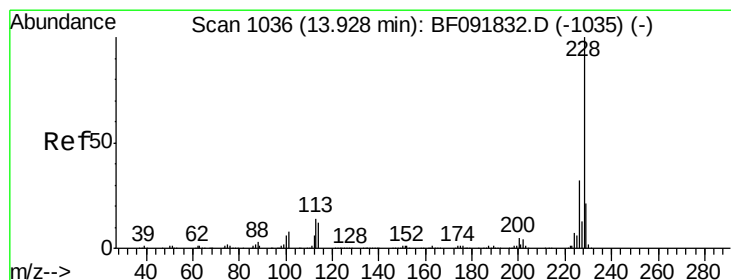
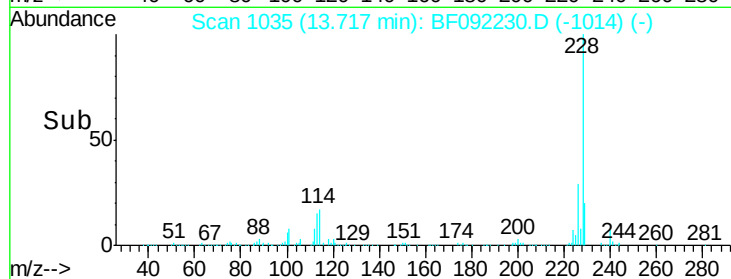
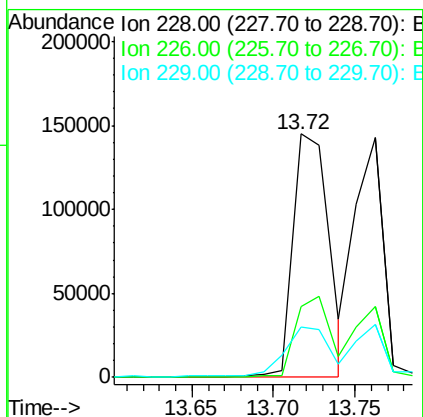
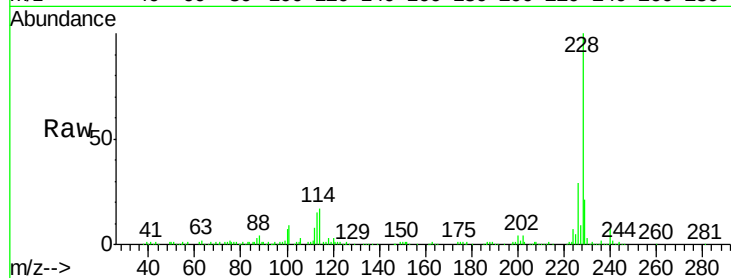
Instrument :

BNA_F

ClientSampleId :

SW-001

Tgt Ion:	228	Resp:	223808
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.4	33.6
229	20.9	16.2	24.4



#82

Chrysene

Concen: 9.96 ng

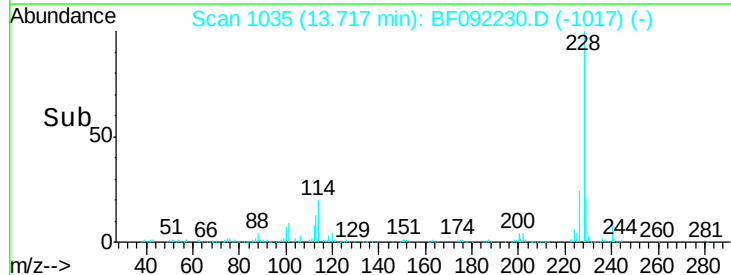
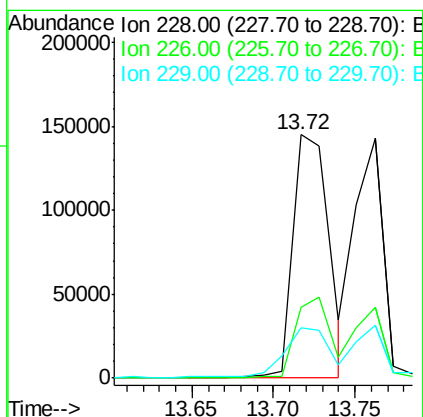
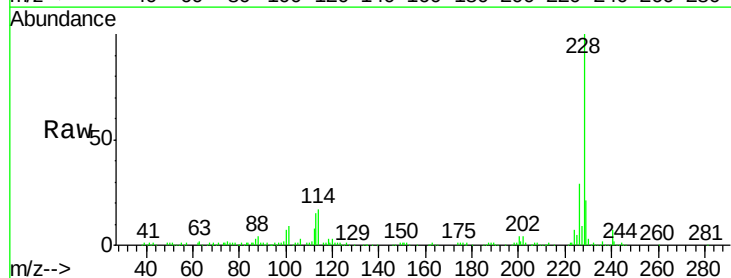
RT: 13.72 min Scan# 1035

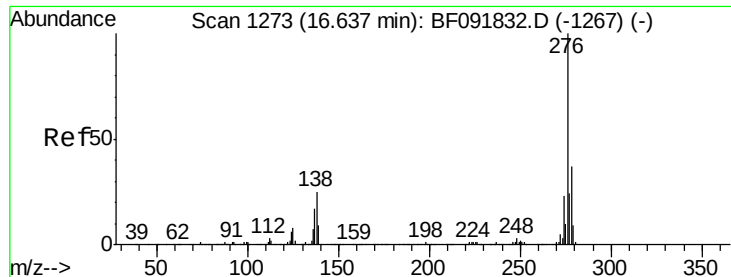
Delta R.T. -0.09 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Tgt Ion:	228	Resp:	223808
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.4	38.0
229	20.9	16.2	24.2

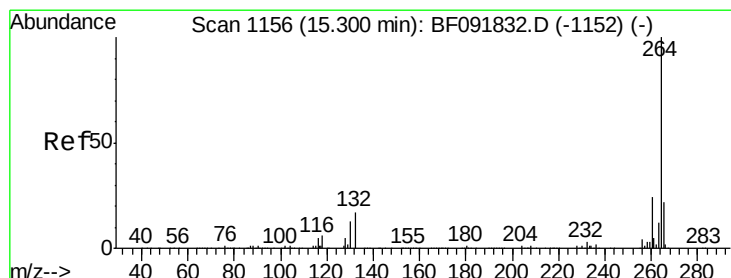
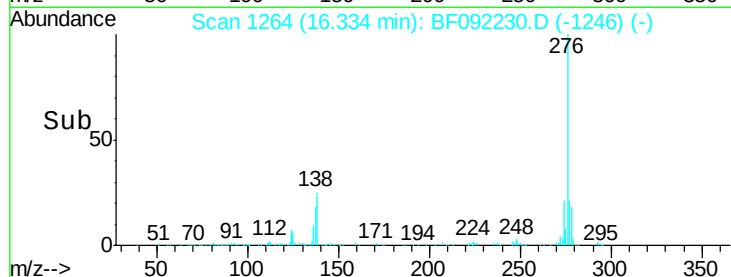
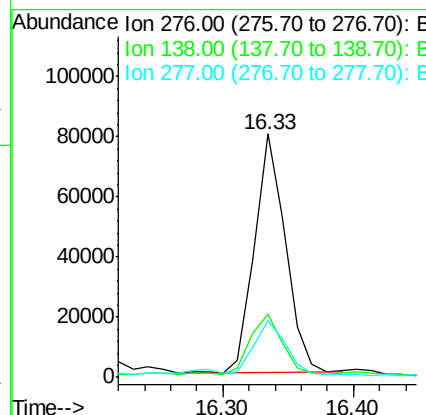
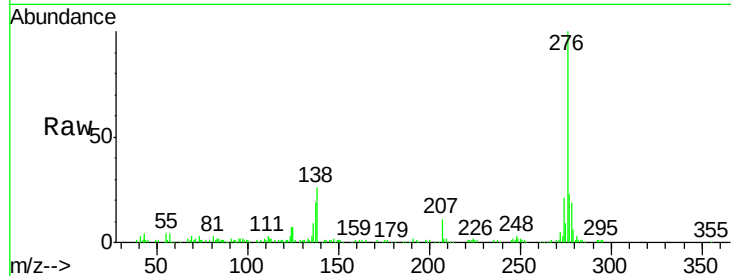




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.76 ng
 RT: 16.33 min Scan# 1264
 Delta R.T. -0.09 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

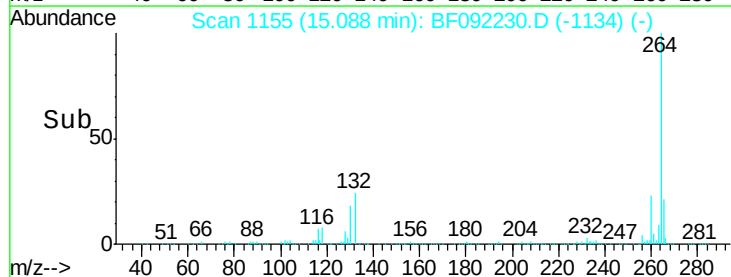
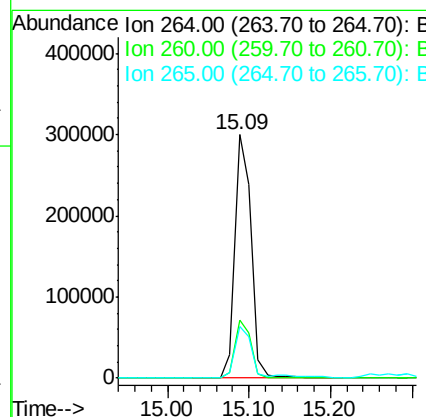
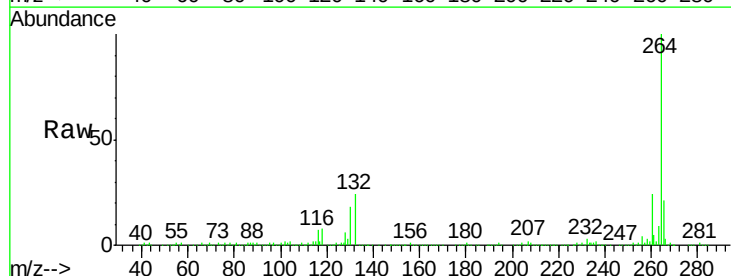
Instrument :
 BNA_F
 ClientSampled :
 SW-001

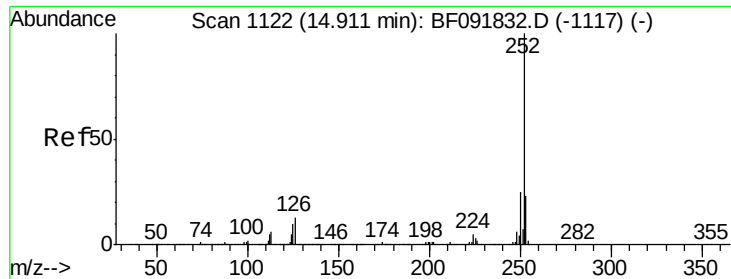
Tgt Ion: 276 Resp: 131627
 Ion Ratio Lower Upper
 276 100
 138 27.9 21.8 32.6
 277 27.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1155
 Delta R.T. -0.06 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Tgt Ion: 264 Resp: 414720
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.3 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 13.66 ng

RT: 14.72 min Scan# 1123

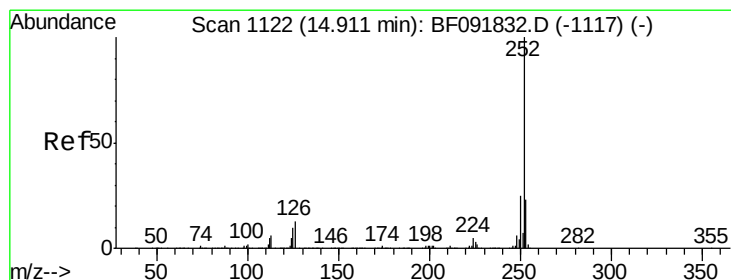
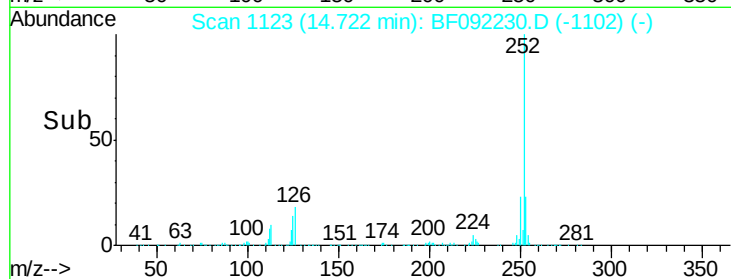
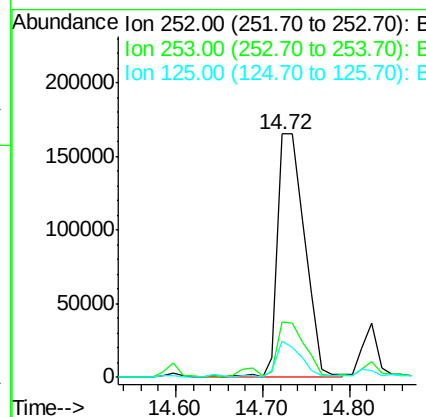
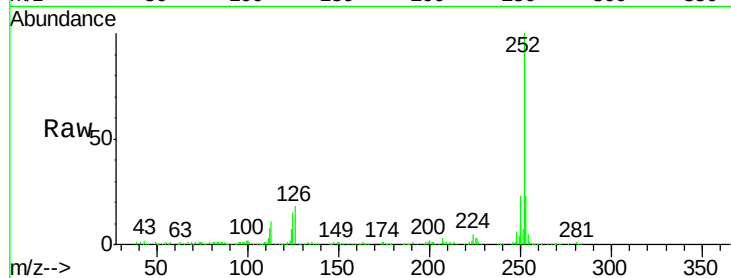
Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	14.7	9.8	14.6#



#88

Benzo(k)fluoranthene

Concen: 16.01 ng

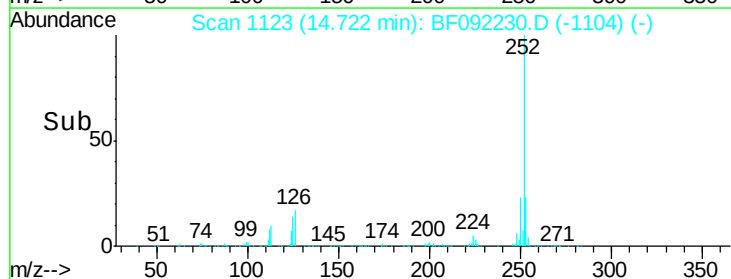
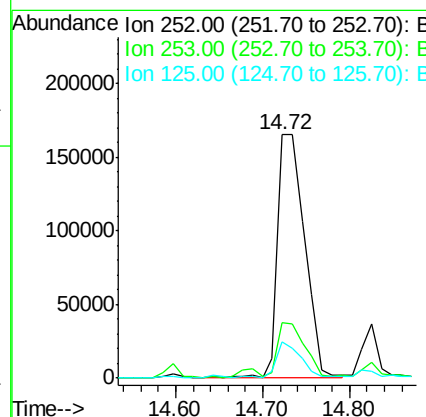
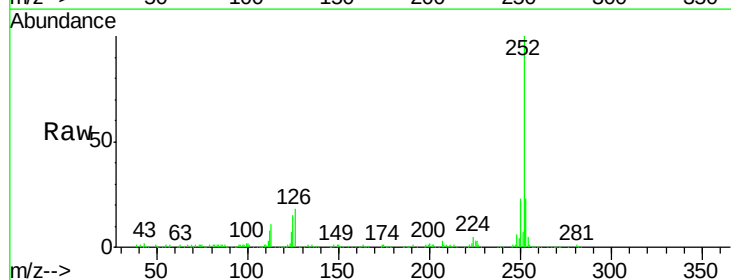
RT: 14.72 min Scan# 1123

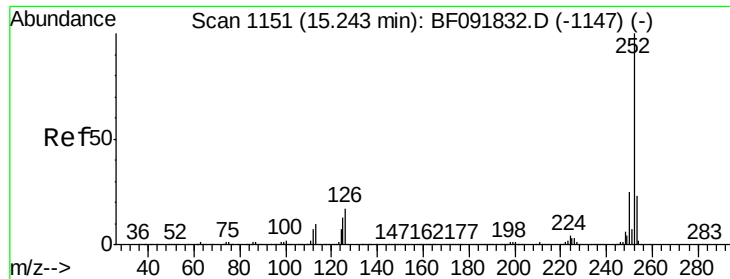
Delta R.T. -0.08 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	14.7	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 8.26 ng

RT: 15.04 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

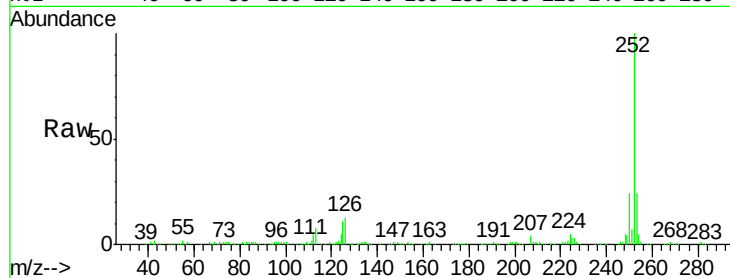
Tgt Ion: 252 Resp: 189269

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

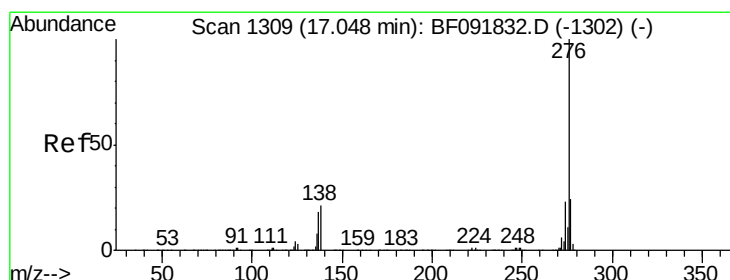
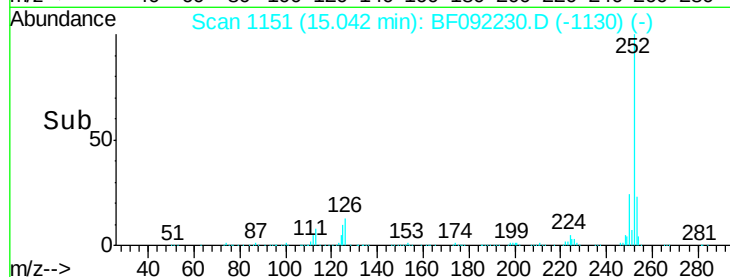
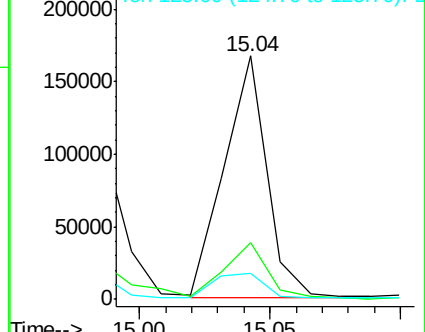
125 10.7 10.0 15.0



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



#91

Benzo(g,h,i)perylene

Concen: 6.07 ng

RT: 16.70 min Scan# 1296

Delta R.T. -0.10 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

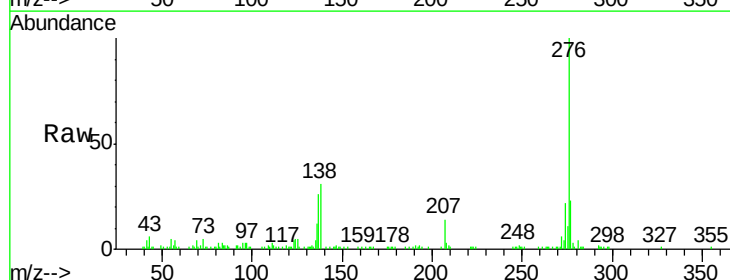
Tgt Ion: 276 Resp: 118959

Ion Ratio Lower Upper

276 100

277 22.7 19.2 28.8

138 30.6 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

