

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
 Data File : BF092414.D
 Acq On : 21 Jan 2017 15:51
 Operator : UM/SJ
 Sample : I1265-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Time: Jan 23 00:42:21 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

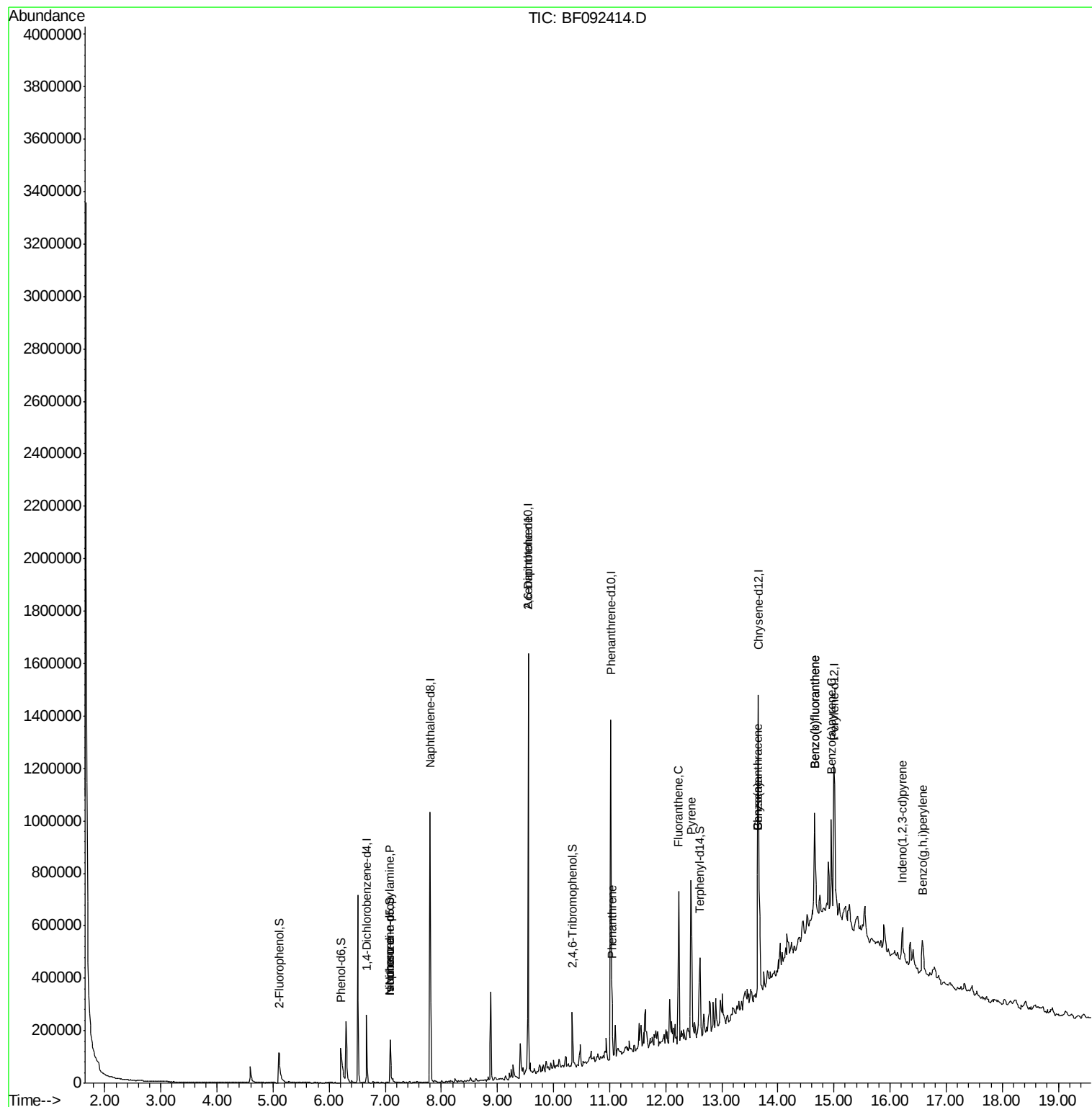
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	41837	20.00	ng	0.02
21) Naphthalene-d8	7.80	136	475257	20.00	ng	-0.14
38) Acenaphthene-d10	9.55	164	328552	20.00	ng	-0.14
63) Phenanthrene-d10	11.02	188	475645	20.00	ng	-0.14
75) Chrysene-d12	13.65	240	348782	20.00	ng	-0.14
86) Perylene-d12	15.01	264	302186	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	84838	33.86	ng	-0.12
7) Phenol-d6	6.21	99	105791	34.58	ng	-0.10
23) Nitrobenzene-d5	7.09	82	71226	8.33	ng	-0.12
41) 2,4,6-Tribromophenol	10.33	330	27181	10.00	ng	-0.14
44) 2-Fluorobiphenyl	8.88	172	120206	-6.37	ng	-0.12
78) Terphenyl-d14	12.61	244	116873	8.13	ng	-0.14
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.09	70	9311	4.58	ng	# 73
25) Isophorone	7.09	82	70065	4.44	ng	# 65
37) 2-Methylnaphthalene	8.62	142	4026	Below	Cal	92
50) 2,6-Dinitrotoluene	9.55	165	43724	9.51	ng	# 31
70) Phenanthrene	11.04	178	83949	3.25	ng	97
73) Di-n-butylphthalate	11.60	149	960	Below	Cal	# 15
74) Fluoranthene	12.23	202	255927	8.18	ng	95
76) Benzidine	12.36	184	396	Below	Cal	# 1
77) Pyrene	12.45	202	311267	12.16	ng	97
80) Benzo(a)anthracene	13.64	228	193461	9.83	ng	98
82) Chrysene	13.64	228	193461	9.80	ng	94
85) Indeno(1,2,3-cd)pyrene	16.22	276	90457	5.29	ng	93
87) Benzo(b)fluoranthene	14.66	252	288784	15.35	ng	95
88) Benzo(k)fluoranthene	14.66	252	288784	18.00	ng	95
89) Benzo(a)pyrene	14.95	252	162498	9.73	ng	98
91) Benzo(g,h,i)perylene	16.58	276	94285	6.61	ng	# 91

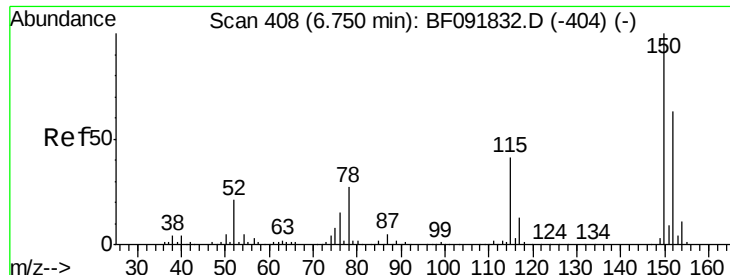
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 440

Delta R.T. 0.02 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

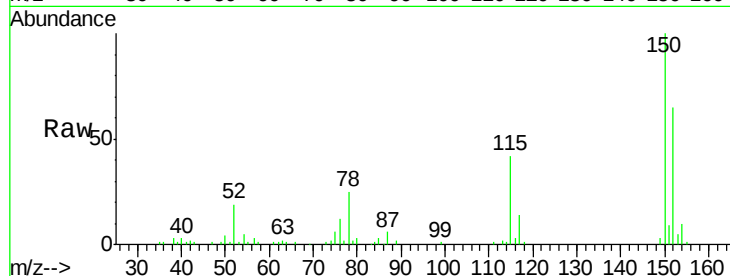
Tgt Ion:152 Resp: 41837

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

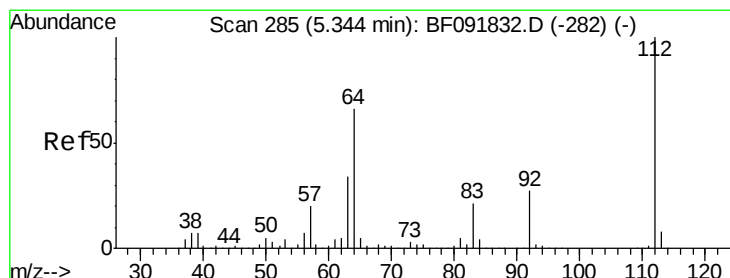
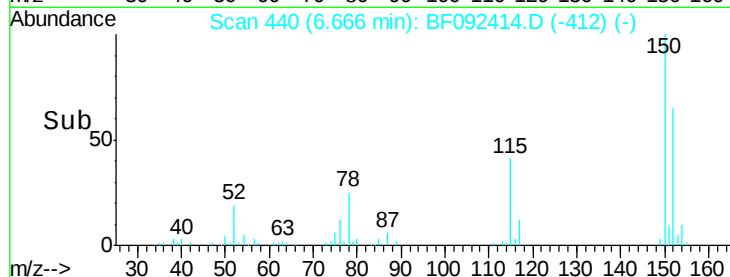
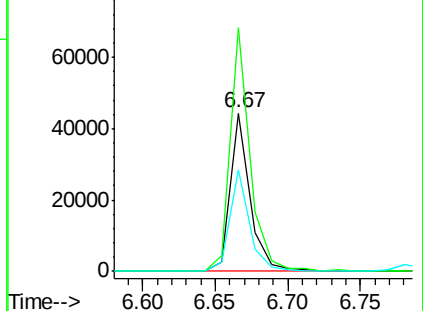
115 64.3 46.0 69.0



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: 33.86 ng

RT: 5.11 min Scan# 304

Delta R.T. -0.12 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

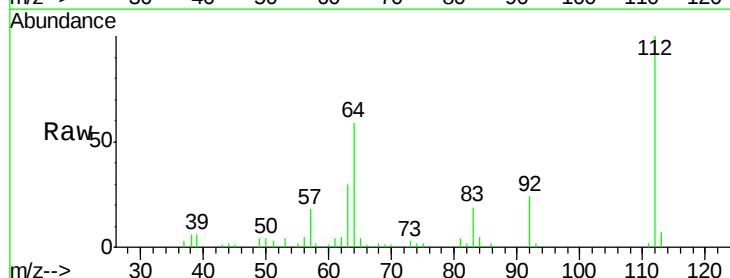
Tgt Ion:112 Resp: 84838

Ion Ratio Lower Upper

112 100

64 59.3 46.1 69.1

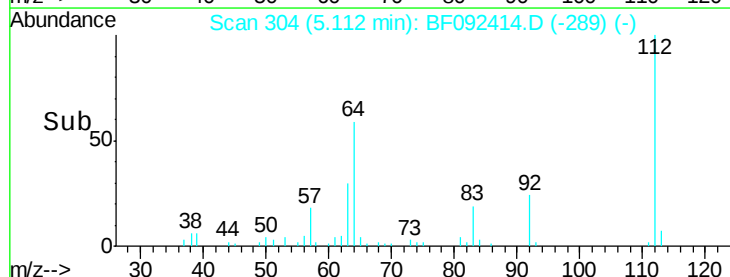
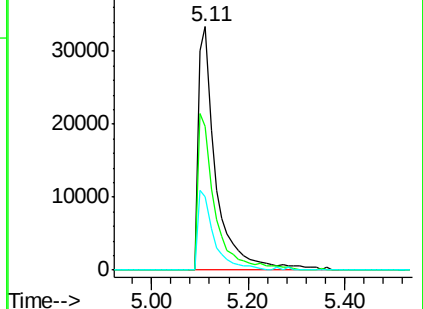
63 30.1 23.8 35.6

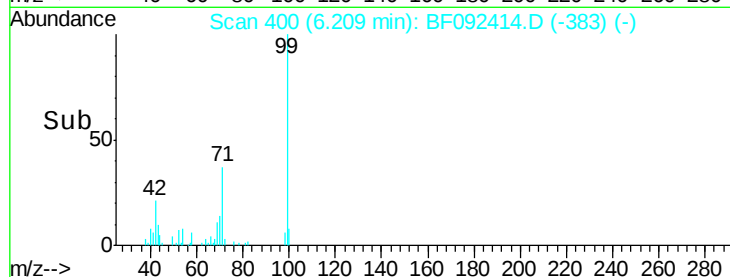
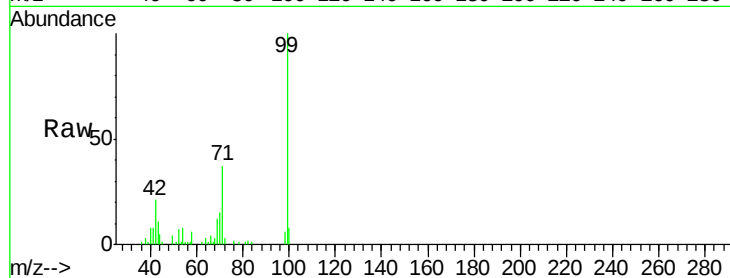
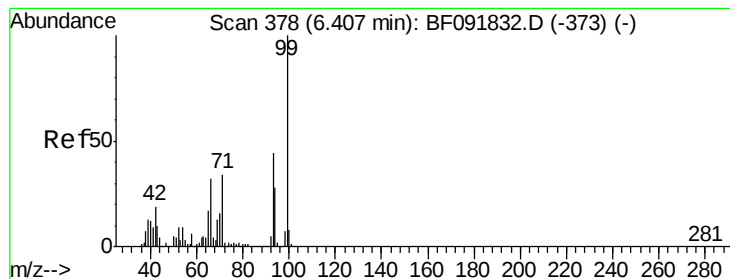


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.58 ng

RT: 6.21 min Scan# 400

Delta R.T. -0.10 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

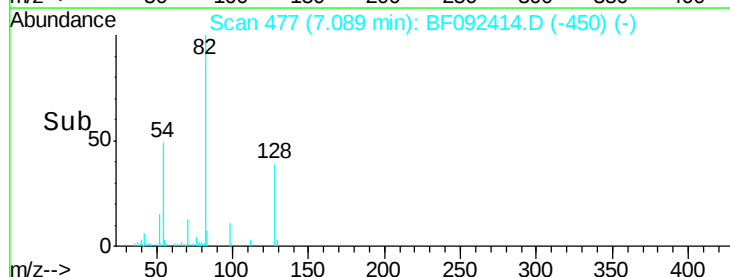
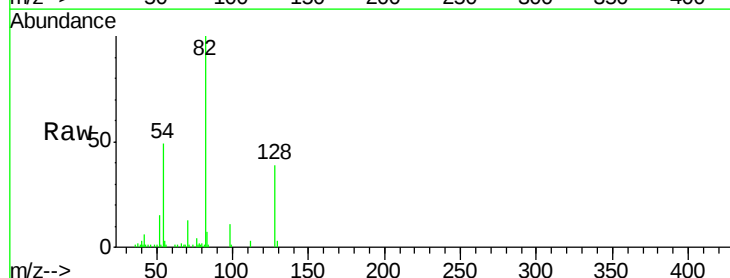
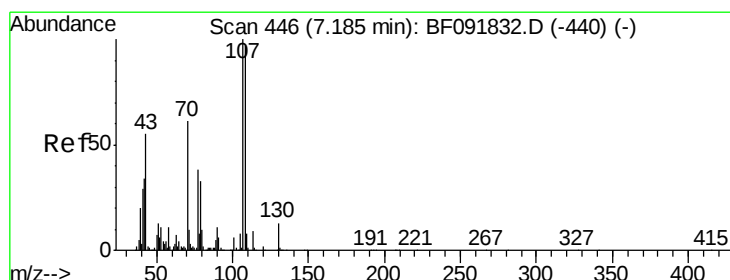
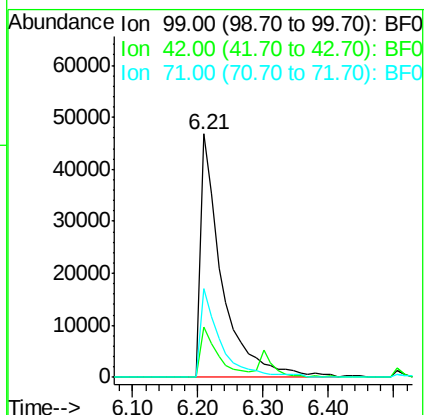
Tgt Ion: 99 Resp: 105791

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

71 36.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.58 ng

RT: 7.09 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion: 70 Resp: 9311

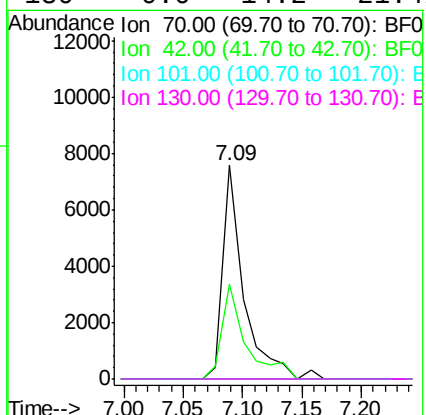
Ion Ratio Lower Upper

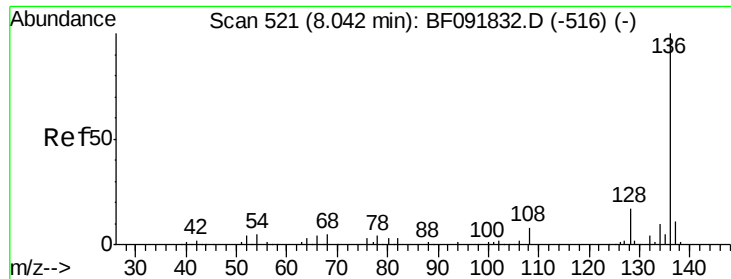
70 100

42 44.1 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

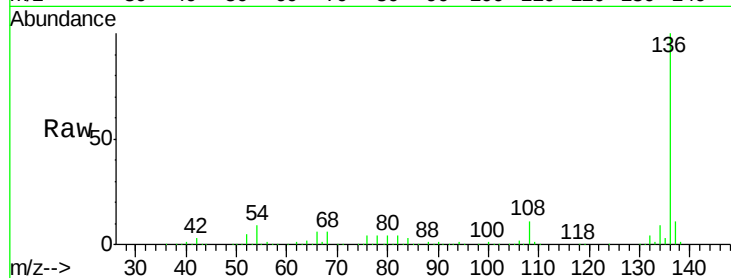




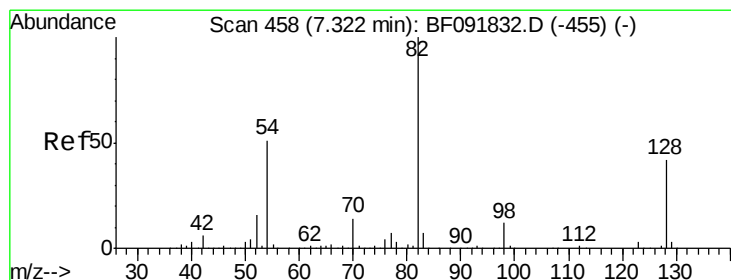
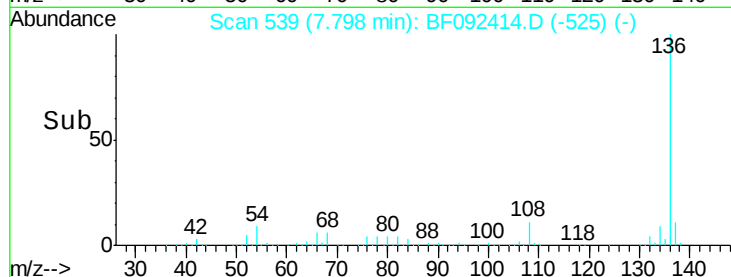
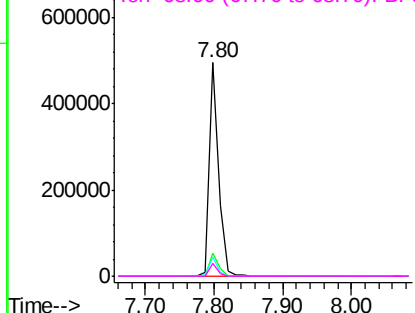
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 539
Delta R.T. -0.14 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-1

Tgt Ion:	136	Resp:	475257
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.2	4.5	6.7#
68	6.3	3.6	5.4#

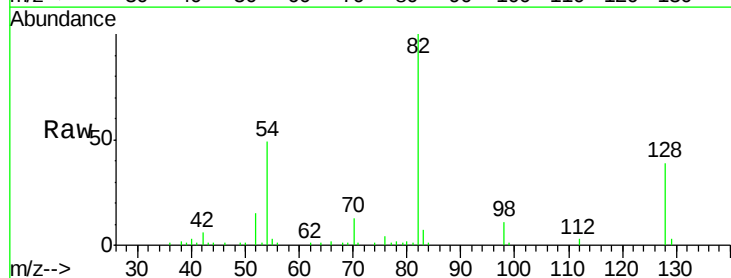


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

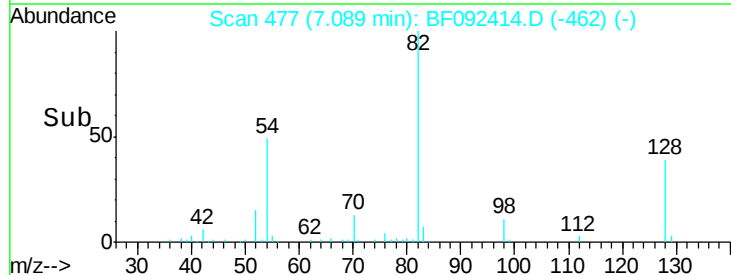
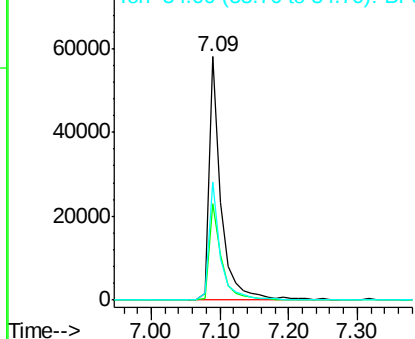


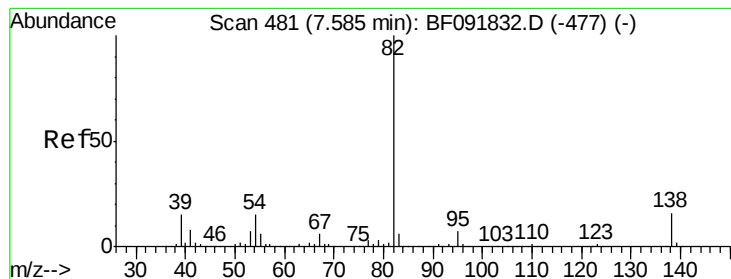
#23
Nitrobenzene-d5
Concen: 8.33 ng
RT: 7.09 min Scan# 477
Delta R.T. -0.12 min
Lab File: BF092414.D
Acq: 21 Jan 2017 15:51

Tgt Ion:	82	Resp:	71226
Ion	Ratio	Lower	Upper
82	100		
128	39.4	34.6	52.0
54	48.6	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: 4.44 ng

RT: 7.09 min Scan# 477

Delta R.T. -0.39 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

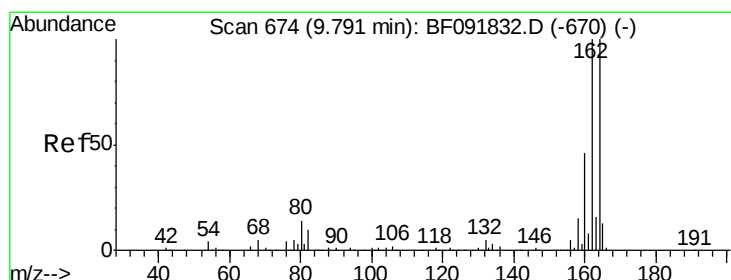
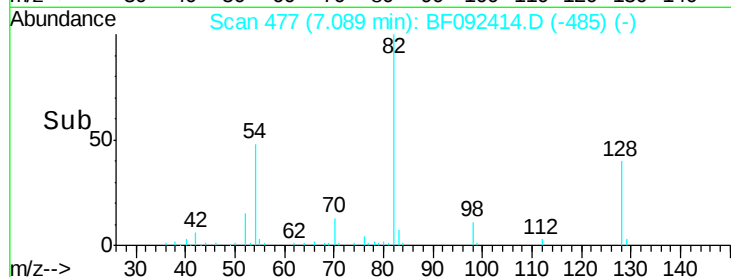
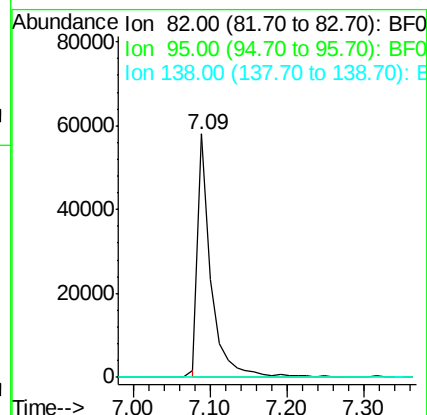
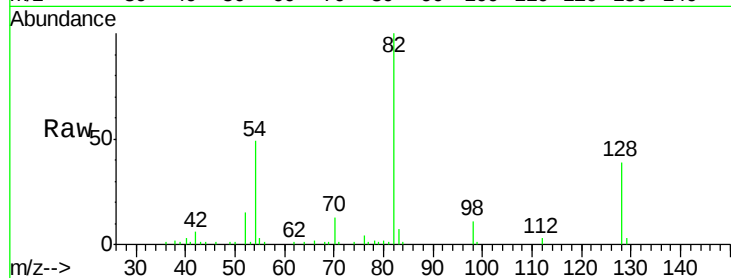
Tgt Ion: 82 Resp: 70065

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: 9.55 min Scan# 692

Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

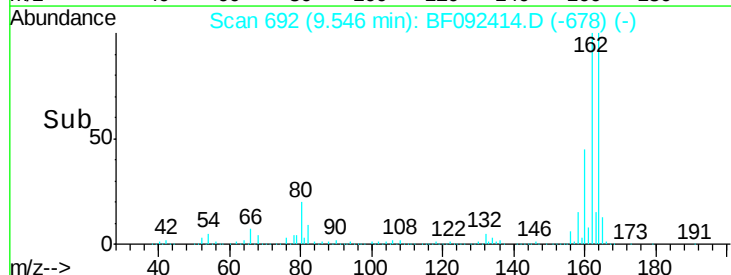
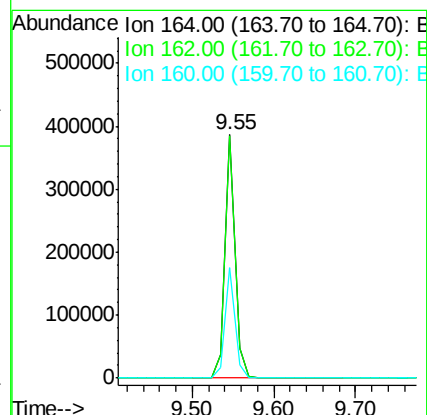
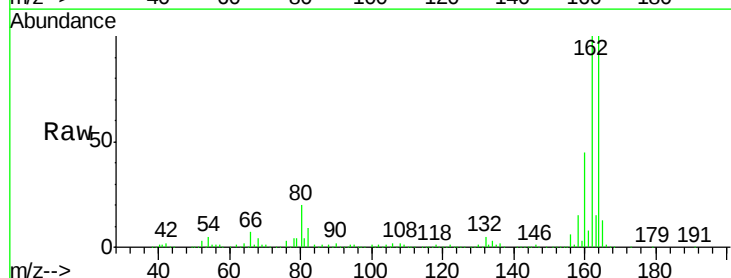
Tgt Ion: 164 Resp: 328552

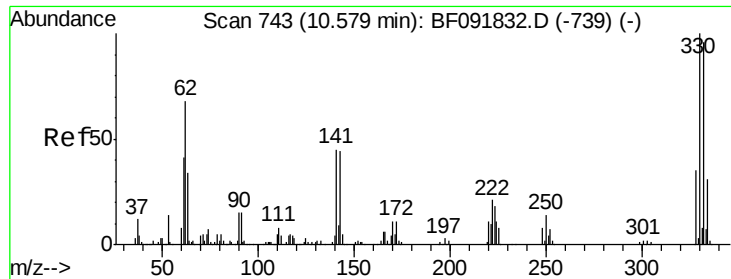
Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.2

160 45.4 36.9 55.3

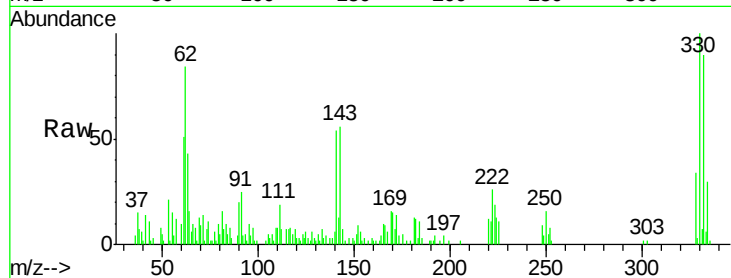




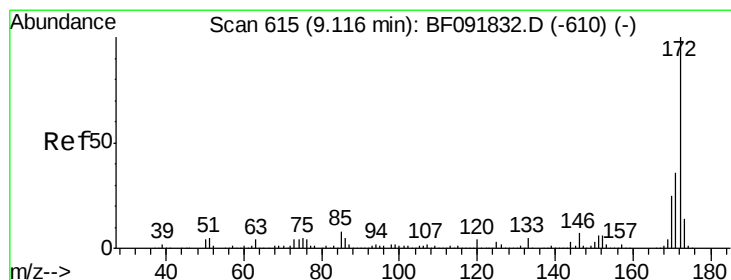
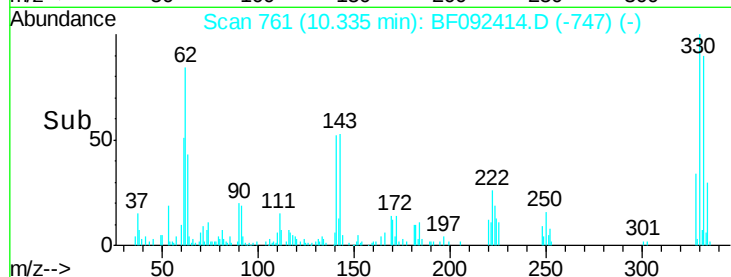
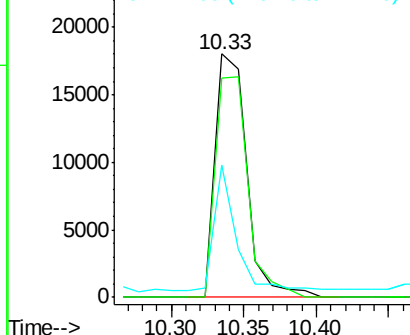
#41
 2,4,6-Tribromophenol
 Concen: 10.00 ng
 RT: 10.33 min Scan# 761
 Delta R.T. -0.14 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Instrument :
 BNA_F
 ClientSampled :
 B-1

Tgt Ion:330 Resp: 27181
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.4 116.2
 141 36.1 34.1 51.1

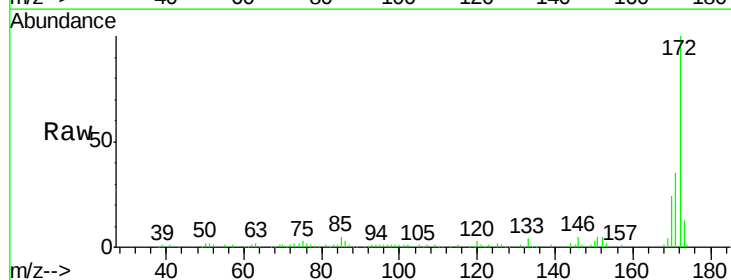


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

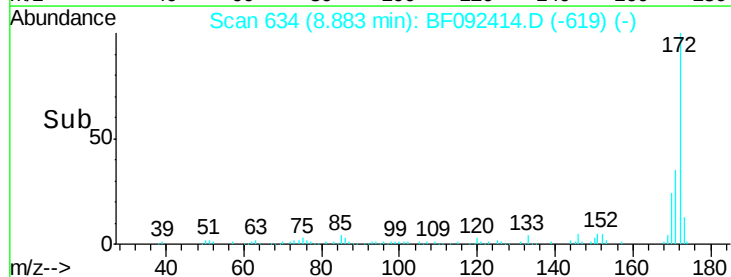
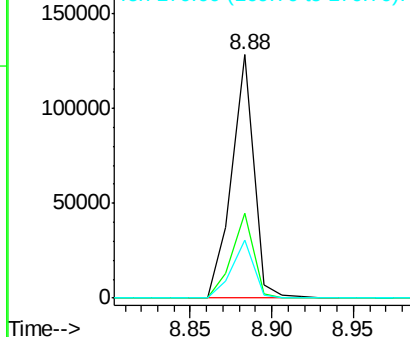


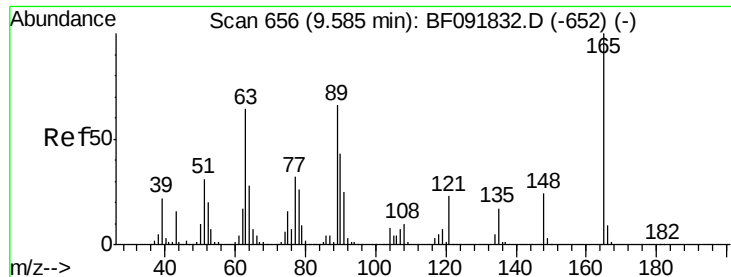
#44
 2-Fluorobiphenyl
 Concen: -6.37 ng
 RT: 8.88 min Scan# 634
 Delta R.T. -0.12 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Tgt Ion:172 Resp: 120206
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.0
 170 23.6 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

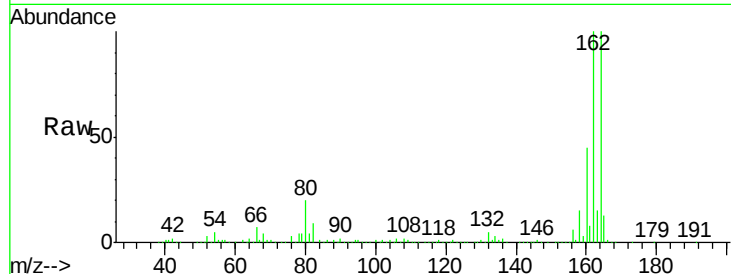




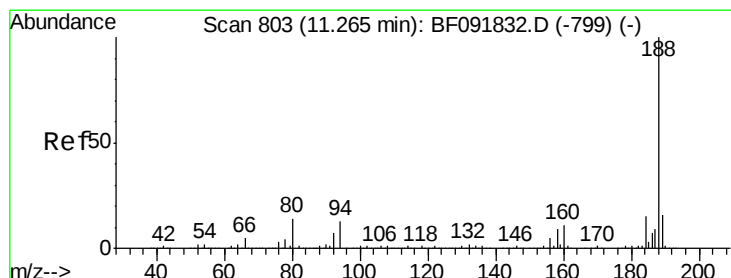
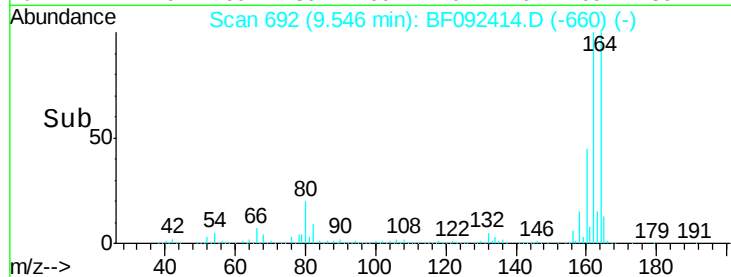
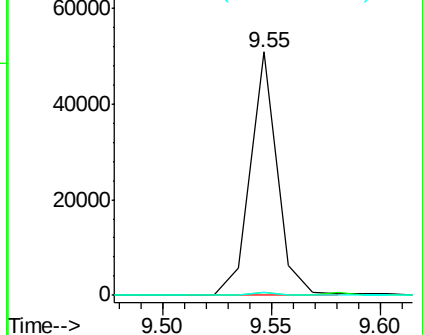
#50
 2,6-Dinitrotoluene
 Concen: 9.51 ng
 RT: 9.55 min Scan# 692
 Delta R.T. 0.07 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Instrument :
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 ClientSampleId :
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Tgt Ion:165 Resp: 43724
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.2 54.4#
 89 1.0 40.2 60.4#

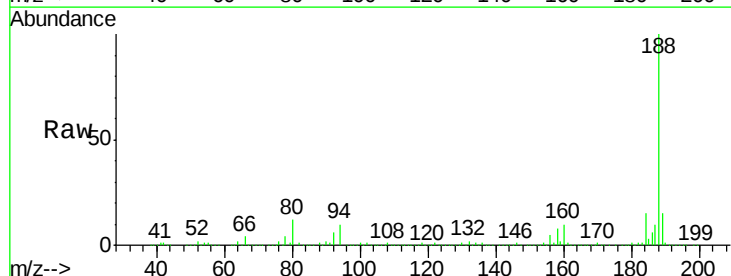


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

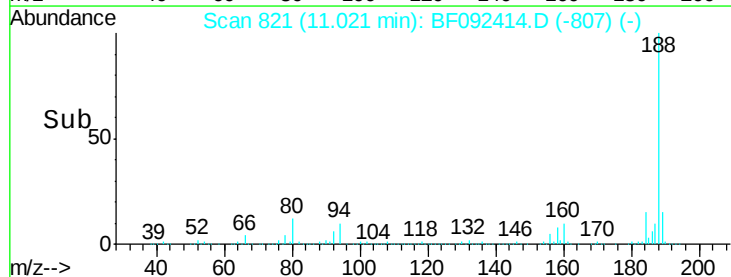
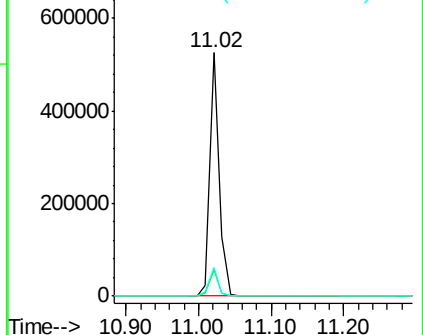


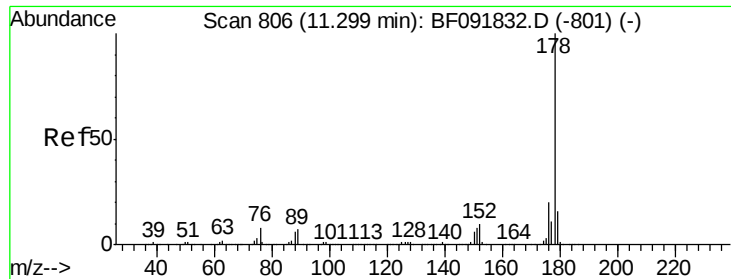
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 821
 Delta R.T. -0.14 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Tgt Ion:188 Resp: 475645
 Ion Ratio Lower Upper
 188 100
 94 10.5 10.0 15.0
 80 11.9 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

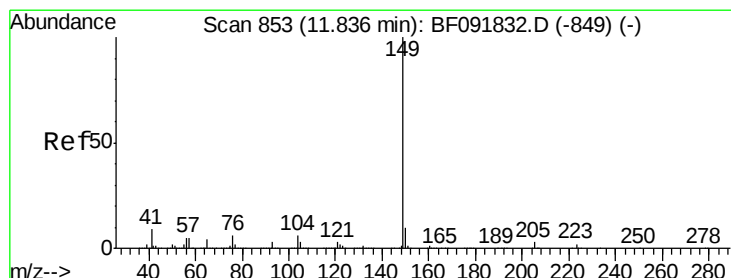
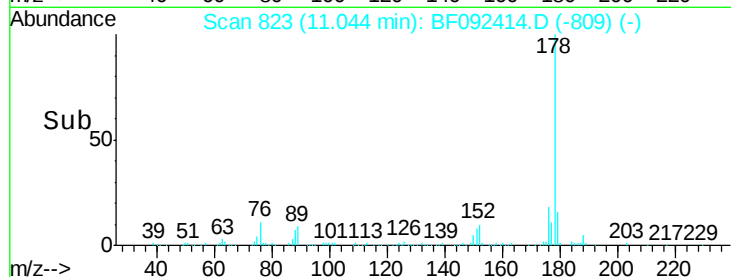
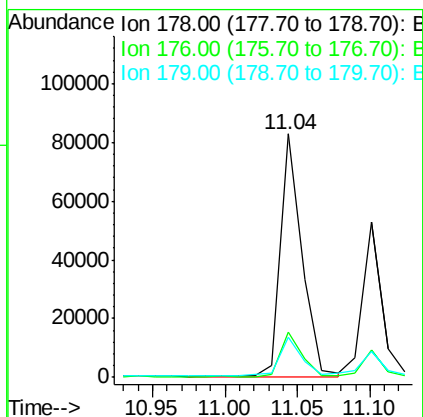
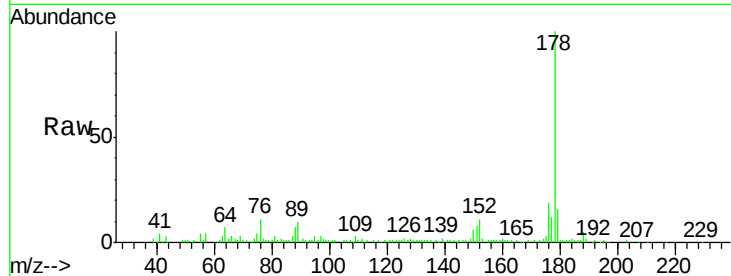




#70
 Phenanthrene
 Concen: 3.25 ng
 RT: 11.04 min Scan# 823
 Delta R.T. -0.14 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

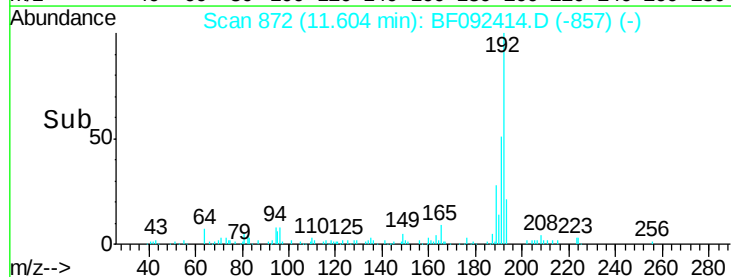
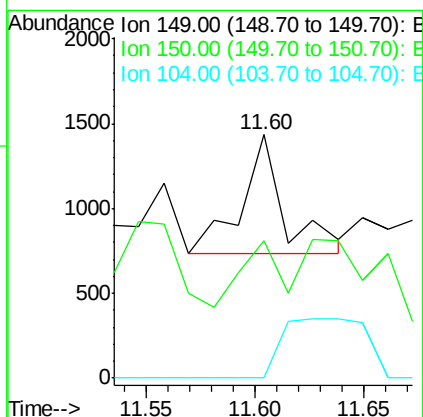
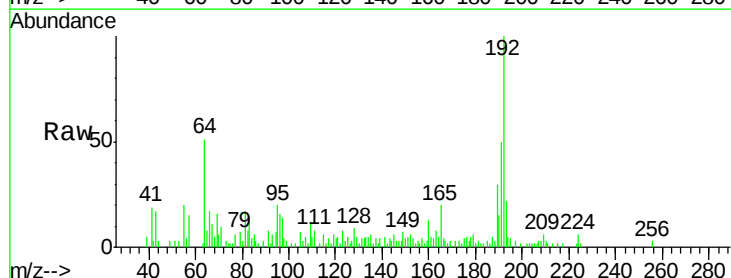
Instrument :
 BNA_F
 ClientSampleId :
 B-1

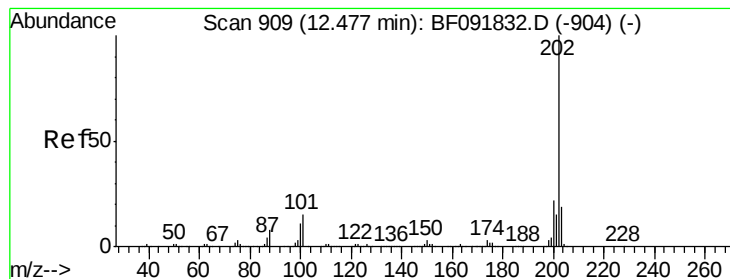
Tgt Ion:178 Resp: 83949
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.6 25.0
 179 16.3 12.8 19.2



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.60 min Scan# 872
 Delta R.T. -0.12 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Tgt Ion:149 Resp: 960
 Ion Ratio Lower Upper
 149 100
 150 56.2 8.1 12.1#
 104 0.0 4.6 7.0#





#74

Fluoranthene

Concen: 8.18 ng

RT: 12.23 min Scan# 927

Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

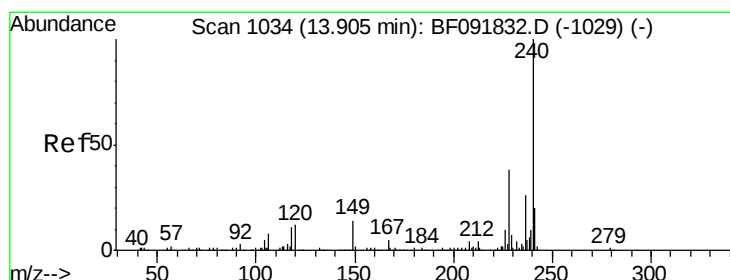
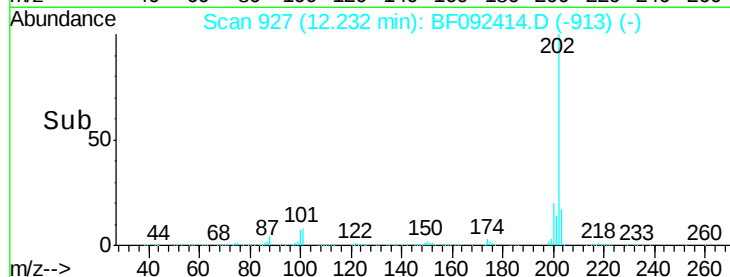
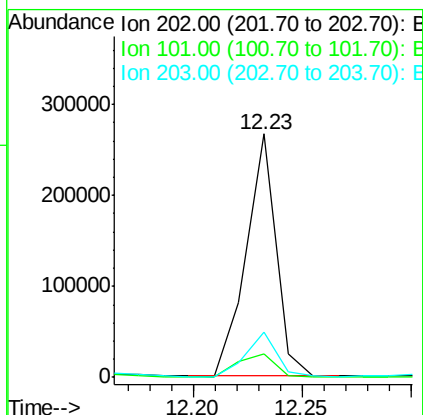
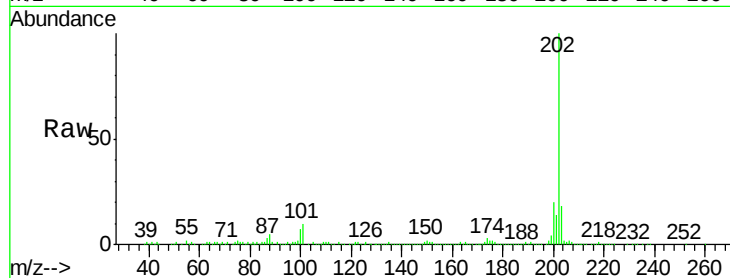
Instrument :

BNA_F

ClientSampleId :

B-1

Tgt Ion:	202	Resp:	255927
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.6
203	18.4	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

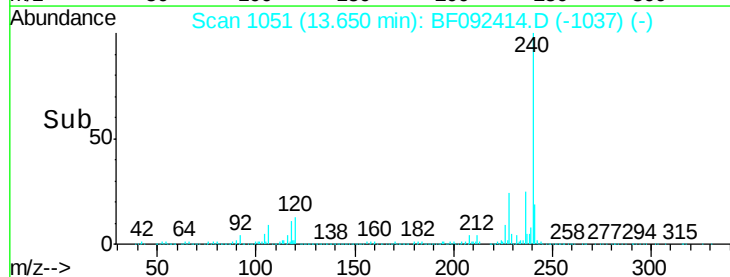
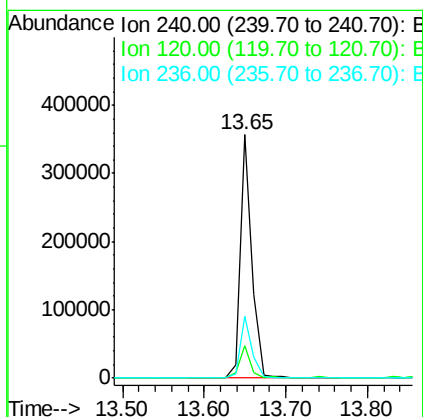
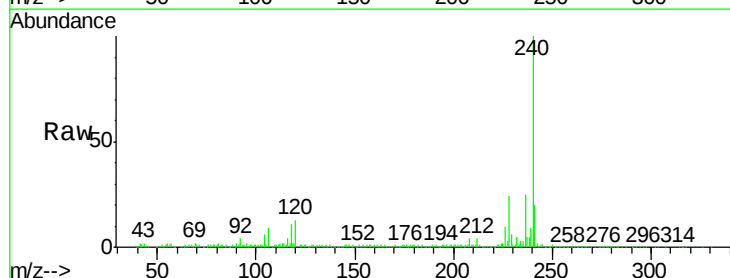
RT: 13.65 min Scan# 1051

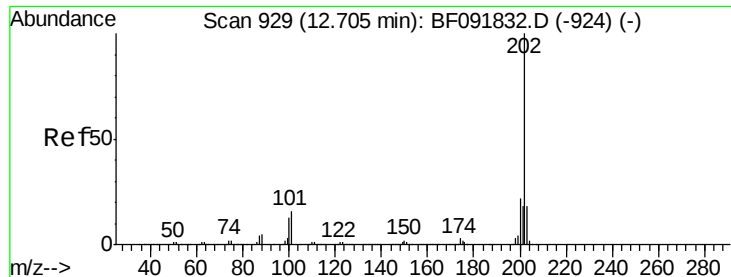
Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Tgt Ion:	240	Resp:	348782
Ion	Ratio	Lower	Upper
240	100		
120	13.5	12.9	19.3
236	25.2	20.9	31.3





#77

Pyrene

Concen: 12.16 ng

RT: 12.45 min Scan# 946

Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

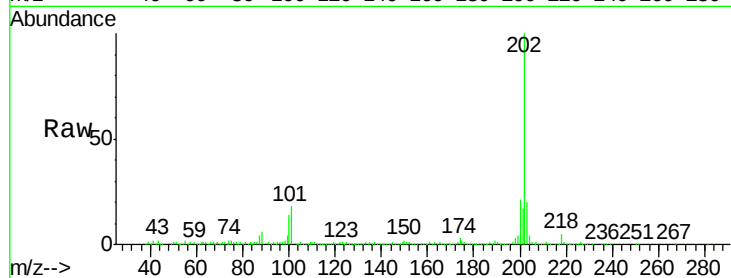
Tgt Ion:202 Resp: 311267

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

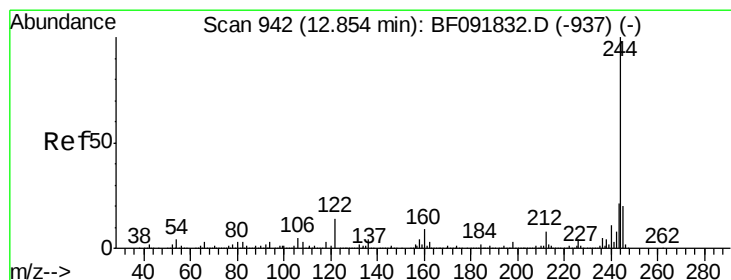
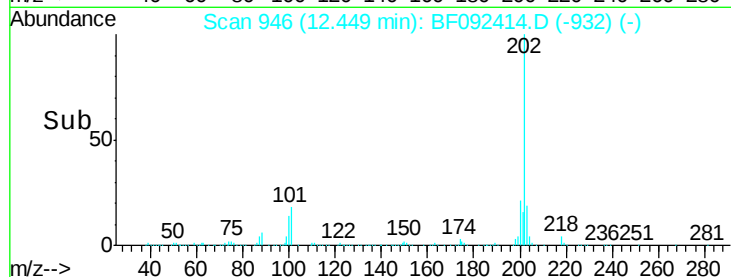
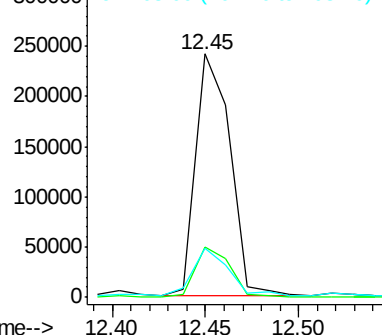
203 19.9 14.7 22.1



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: 8.13 ng

RT: 12.61 min Scan# 960

Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

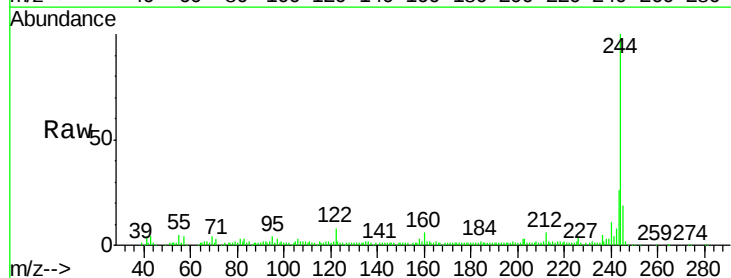
Tgt Ion:244 Resp: 116873

Ion Ratio Lower Upper

244 100

212 6.4 6.2 9.2

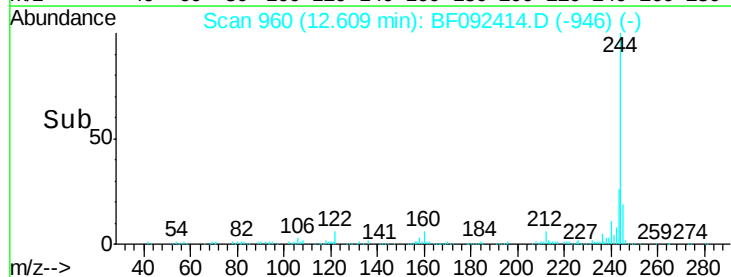
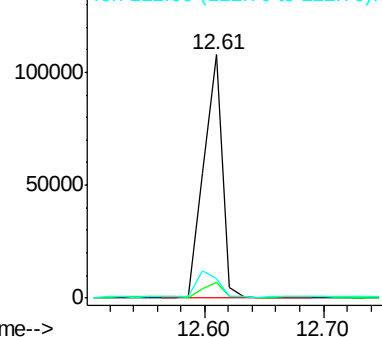
122 7.9 11.4 17.2#

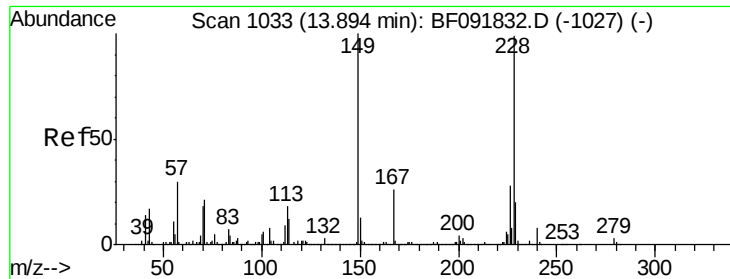


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.83 ng

RT: 13.64 min Scan# 1050

Delta R.T. -0.14 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

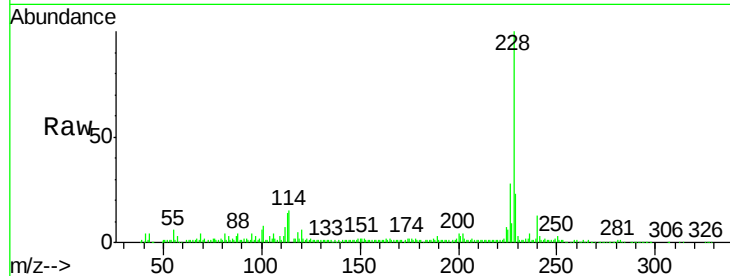
Tgt Ion: 228 Resp: 193461

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

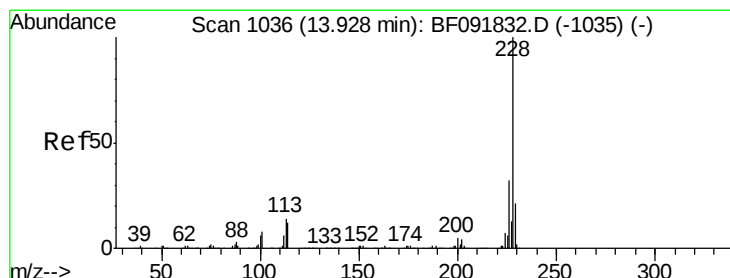
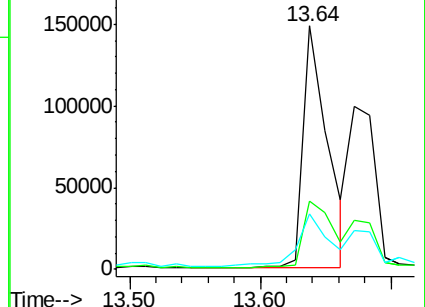
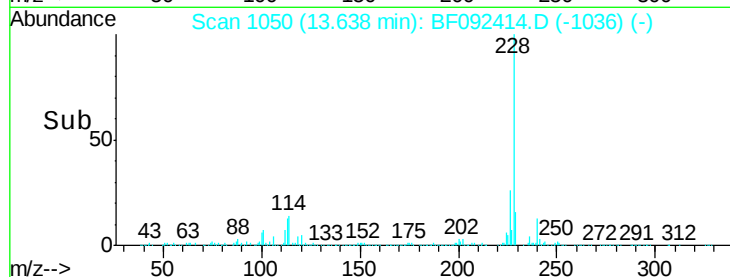
229 22.6 16.2 24.4



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: 9.80 ng

RT: 13.64 min Scan# 1050

Delta R.T. -0.17 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

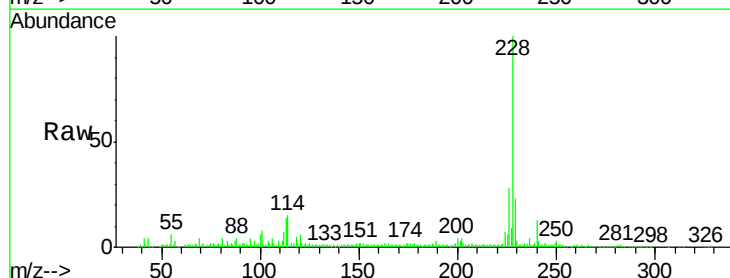
Tgt Ion: 228 Resp: 193461

Ion Ratio Lower Upper

228 100

226 27.9 25.4 38.0

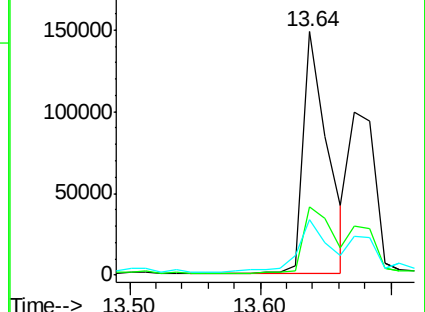
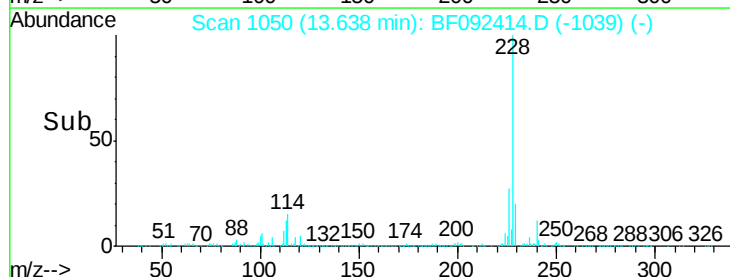
229 22.6 16.2 24.2

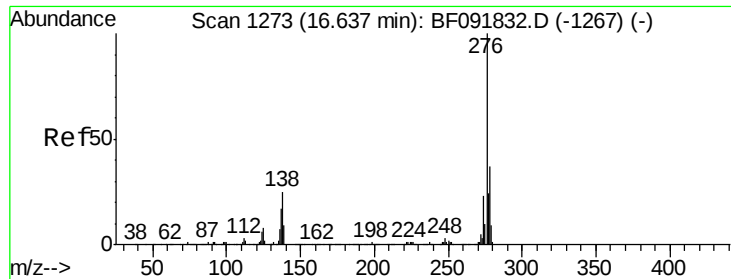


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

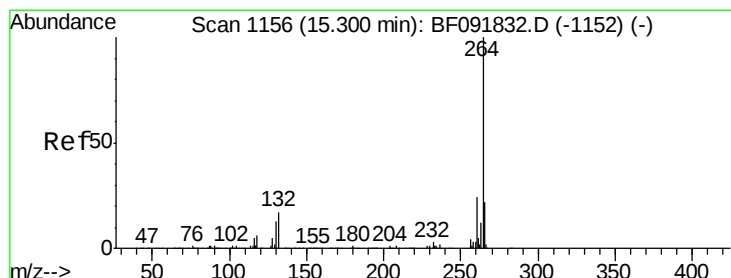
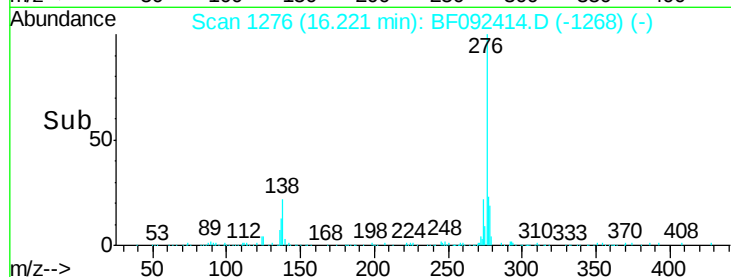
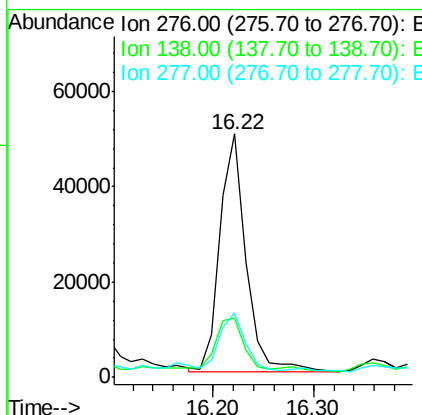
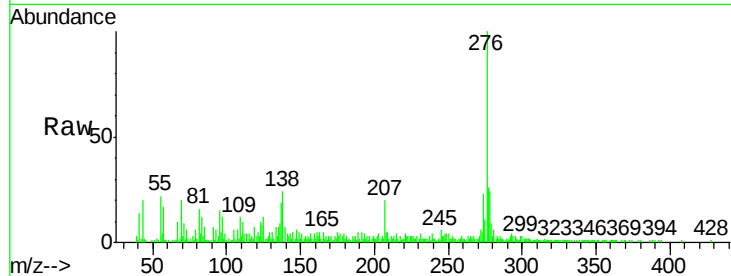




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.29 ng
 RT: 16.22 min Scan# 1276
 Delta R.T. -0.20 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

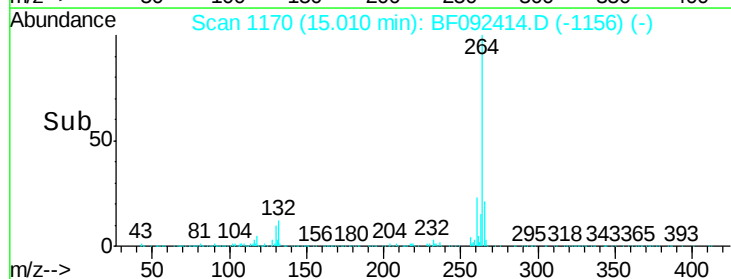
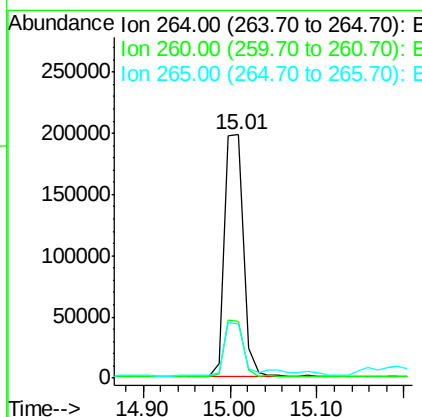
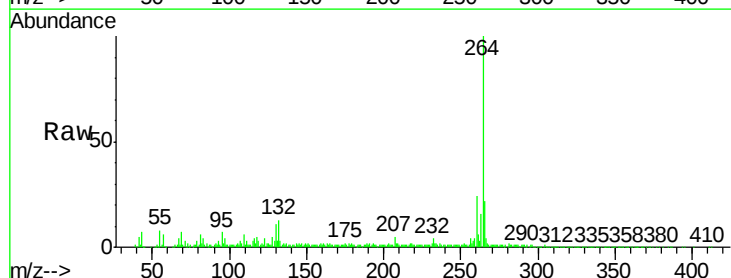
Instrument :
 BNA_F
 ClientSampleId :
 B-1

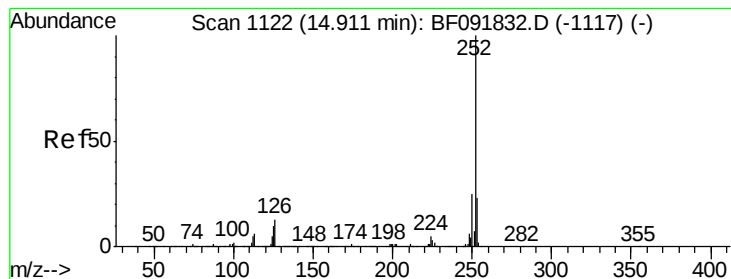
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	21.8	32.6
277	23.6	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1170
 Delta R.T. -0.14 min
 Lab File: BF092414.D
 Acq: 21 Jan 2017 15:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 15.35 ng

RT: 14.66 min Scan# 1139

Delta R.T. -0.12 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

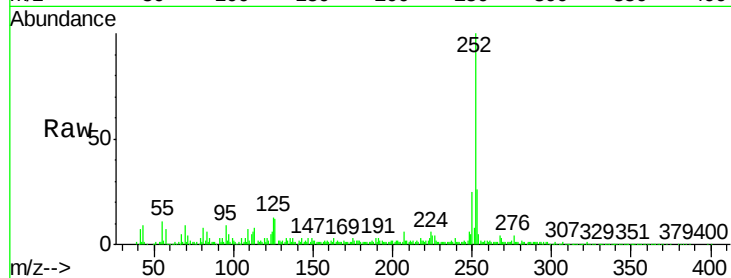
Tgt Ion:252 Resp: 288784

Ion Ratio Lower Upper

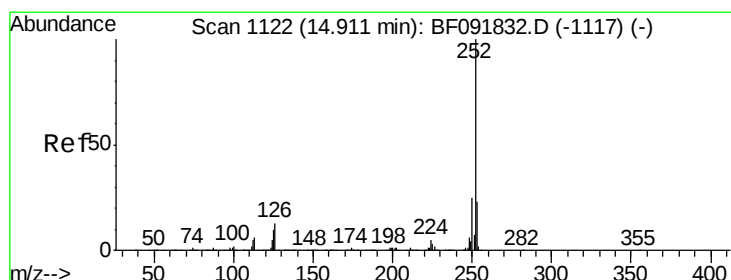
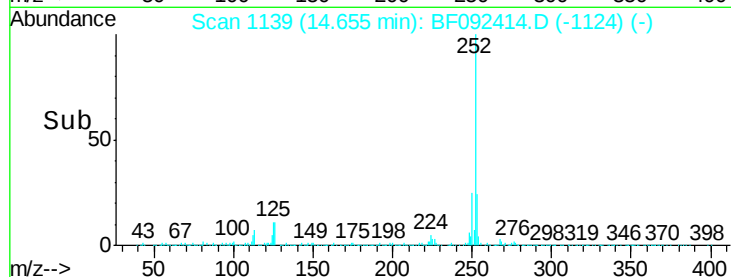
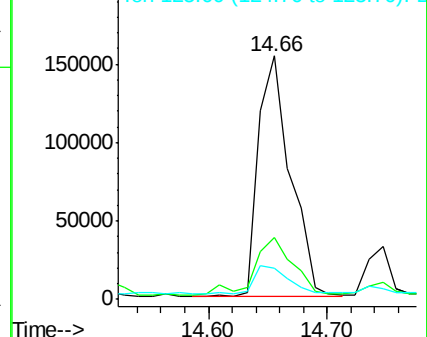
252 100

253 25.7 18.2 27.4

125 13.0 9.8 14.6



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



#88

Benzo(k)fluoranthene

Concen: 18.00 ng

RT: 14.66 min Scan# 1139

Delta R.T. -0.15 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

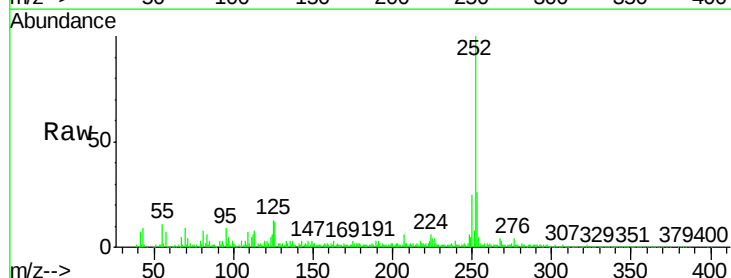
Tgt Ion:252 Resp: 288784

Ion Ratio Lower Upper

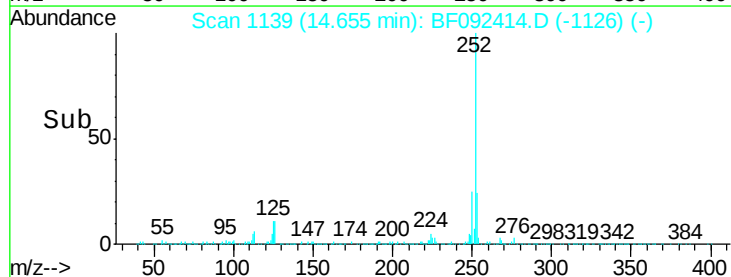
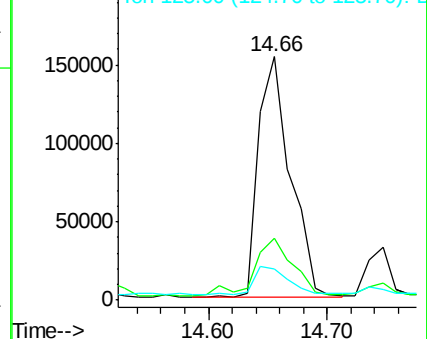
252 100

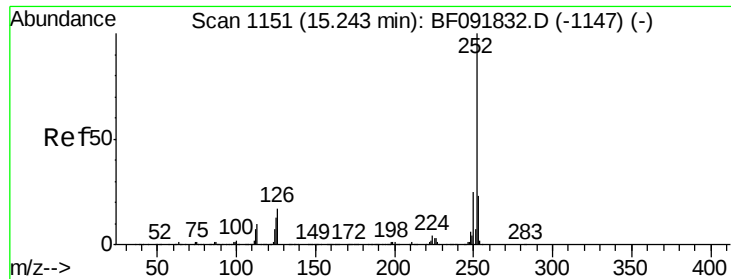
253 25.7 18.5 27.7

125 13.0 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.73 ng

RT: 14.95 min Scan# 1165

Delta R.T. -0.15 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-1

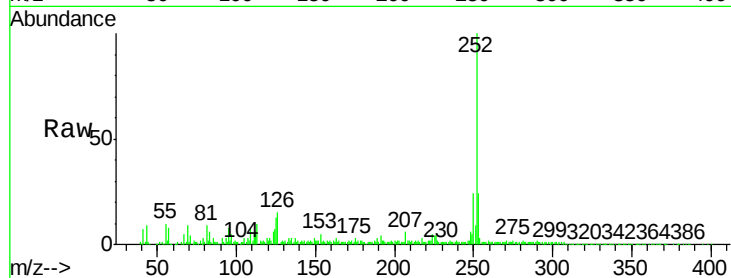
Tgt Ion:252 Resp: 162498

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

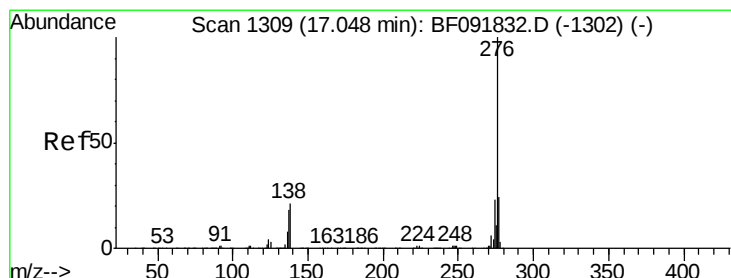
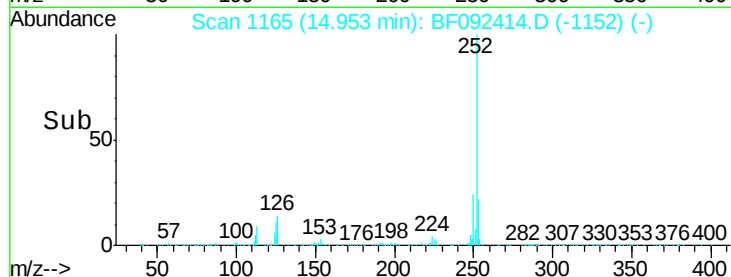
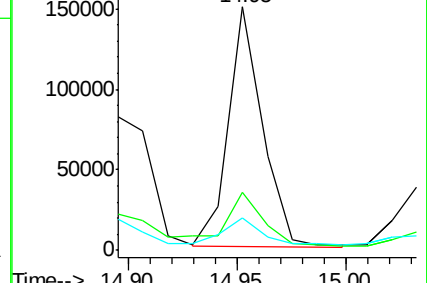
125 13.3 10.0 15.0



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: 6.61 ng

RT: 16.58 min Scan# 1307

Delta R.T. -0.23 min

Lab File: BF092414.D

Acq: 21 Jan 2017 15:51

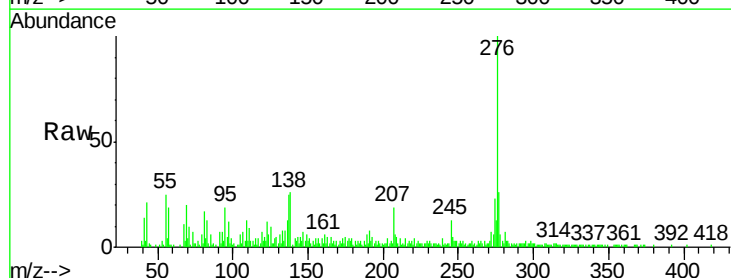
Tgt Ion:276 Resp: 94285

Ion Ratio Lower Upper

276 100

277 26.4 19.2 28.8

138 26.5 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

