

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092378.D
 Acq On : 20 Jan 2017 17:47
 Operator : UM/SJ
 Sample : I1265-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Quant Time: Jan 20 22:15:51 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	6.68	152	542164	20.00	ng	0.04
21) Naphthalene-d8	7.81	136	534038	20.00	ng	-0.12
38) Acenaphthene-d10	9.56	164	379476	20.00	ng	-0.12
63) Phenanthrene-d10	11.03	188	494715	20.00	ng	-0.12
75) Chrysene-d12	13.66	240	352096	20.00	ng	-0.12
86) Perylene-d12	15.02	264	277645	20.00	ng	-0.12

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	1036415	31.92	ng	-0.13
7) Phenol-d6	6.19	99	1441083	36.35	ng	-0.12
23) Nitrobenzene-d5	7.10	82	907989	94.54	ng	-0.11
41) 2,4,6-Tribromophenol	10.35	330	322346	102.64	ng	-0.12
44) 2-Fluorobiphenyl	8.90	172	1750590	96.22	ng	-0.11
78) Terphenyl-d14	12.62	244	1145415	78.90	ng	-0.12

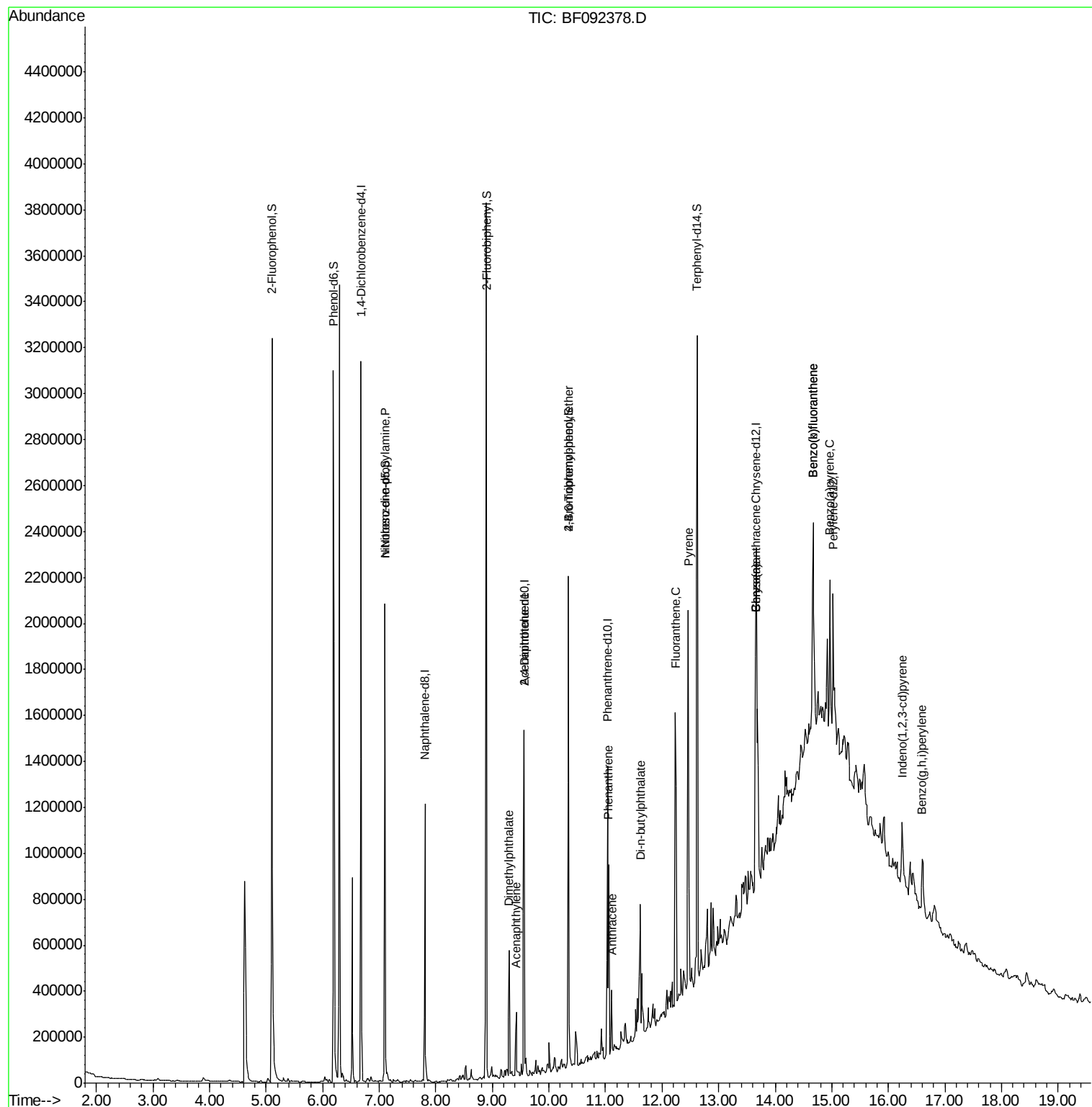
Target Compounds				Qvalue		
9) Benzaldehyde	6.20	77	2734	Below Cal	#	16
19) n-Nitroso-di-n-propylamine	7.10	70	121011	4.59	ng	# 73
48) Acenaphthylene	9.42	152	158381	5.00	ng	96
49) Dimethylphthalate	9.30	163	262597	10.82	ng	99
56) 2,4-Dinitrotoluene	9.56	165	50707	7.61	ng	# 19
66) 4-Bromophenyl-phenylether	10.35	248	20589	4.00	ng	# 1
70) Phenanthrene	11.06	178	333745	12.44	ng	96
71) Anthracene	11.11	178	162854	4.80	ng	96
73) Di-n-butylphthalate	11.62	149	351892	10.72	ng	# 96
74) Fluoranthene	12.23	202	718163	29.17	ng	99
76) Benzidine	12.38	184	1164	Below Cal	#	1
77) Pyrene	12.46	202	706642	27.35	ng	99
80) Benzo(a)anthracene	13.65	228	487993	24.55	ng	96
82) Chrysene	13.65	228	487993	24.48	ng	97
85) Indeno(1,2,3-cd)pyrene	16.25	276	208500	12.07	ng	# 93
87) Benzo(b)fluoranthene	14.67	252	680176	39.35	ng	97
88) Benzo(k)fluoranthene	14.67	252	680176	46.14	ng	# 97
89) Benzo(a)pyrene	14.97	252	338806	22.08	ng	# 94
91) Benzo(g,h,i)perylene	16.60	276	185439	14.14	ng	# 91

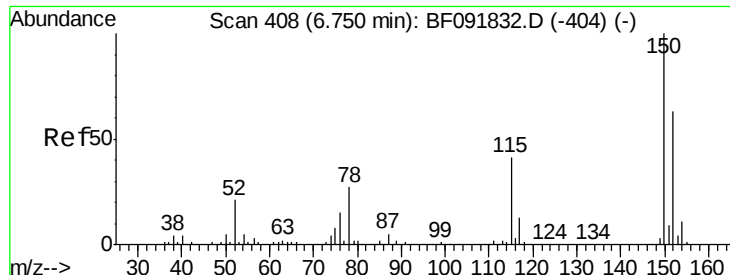
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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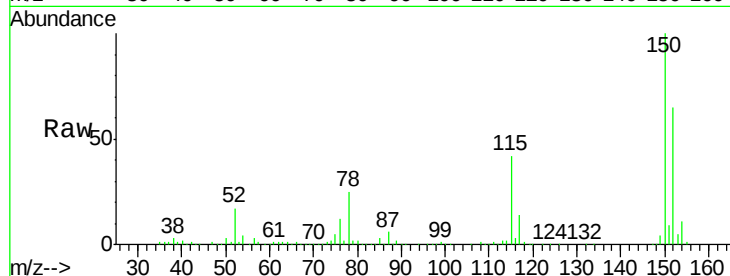


#1

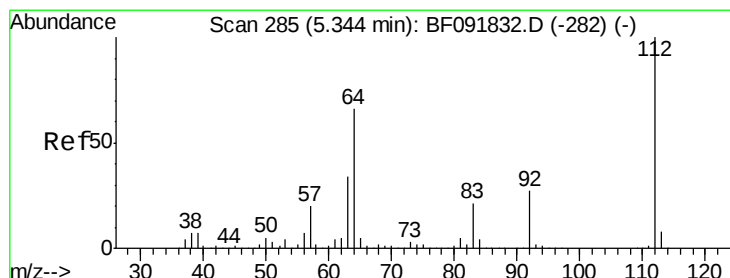
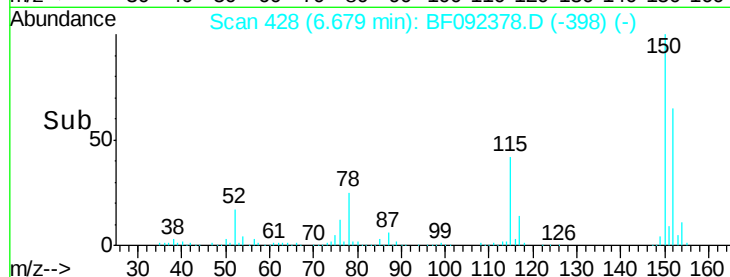
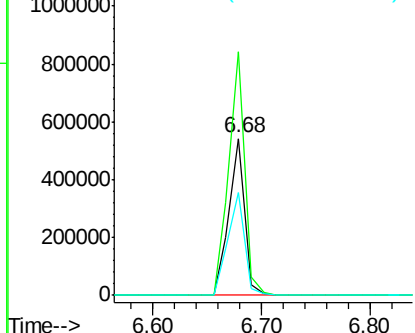
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 428
Delta R.T. 0.04 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion:152 Resp: 542164
Ion Ratio Lower Upper
152 100
150 154.9 124.9 187.3
115 65.1 46.0 69.0



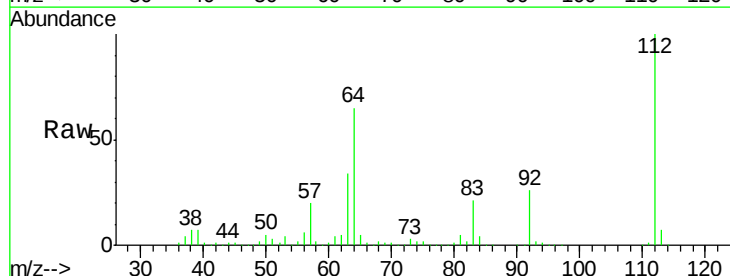
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



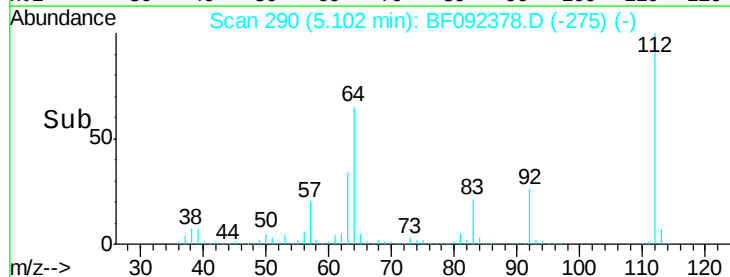
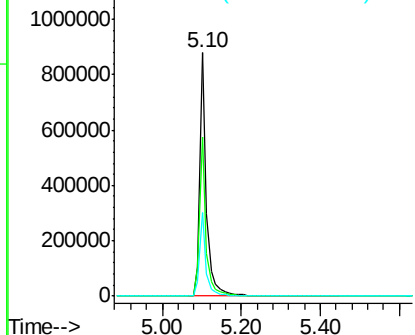
#5

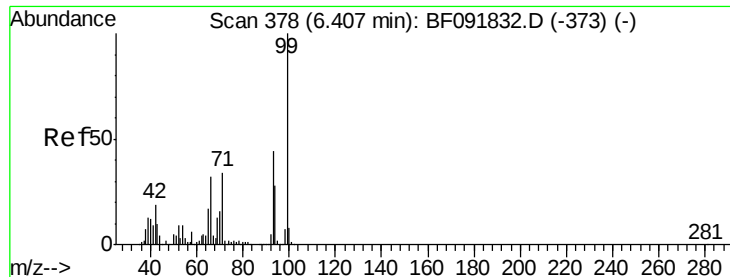
2-Fluorophenol
Concen: 31.92 ng
RT: 5.10 min Scan# 290
Delta R.T. -0.13 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion:112 Resp: 1036415
Ion Ratio Lower Upper
112 100
64 65.3 46.1 69.1
63 34.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.35 ng

RT: 6.19 min Scan# 385

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

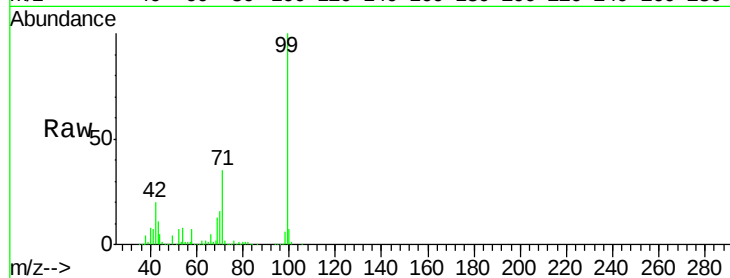
Tgt Ion: 99 Resp: 1441083

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

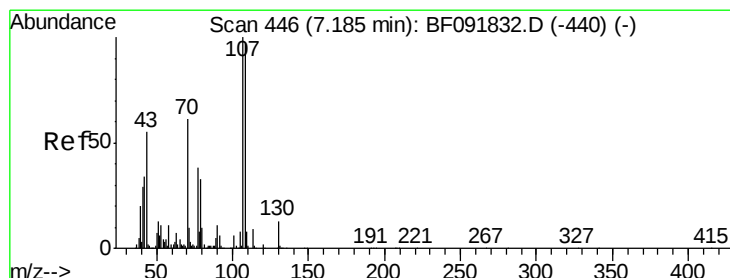
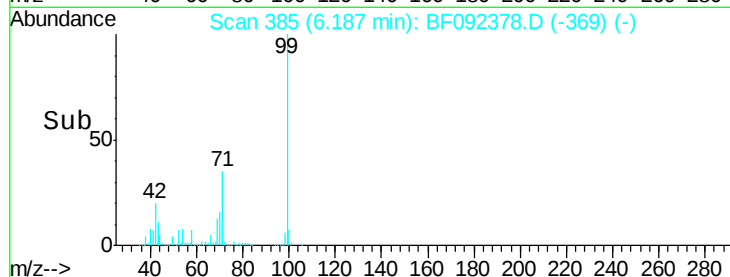
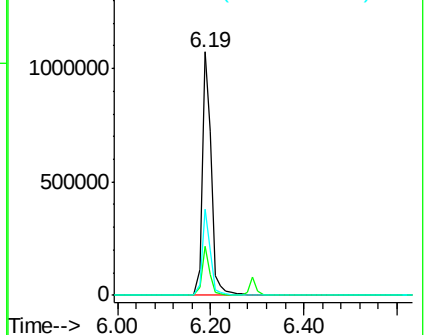
71 35.4 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.59 ng

RT: 7.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Tgt Ion: 70 Resp: 121011

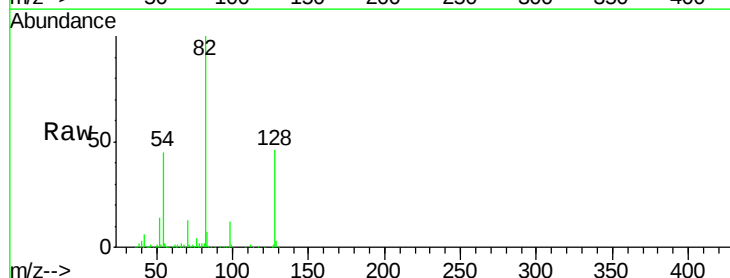
Ion Ratio Lower Upper

70 100

42 42.6 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

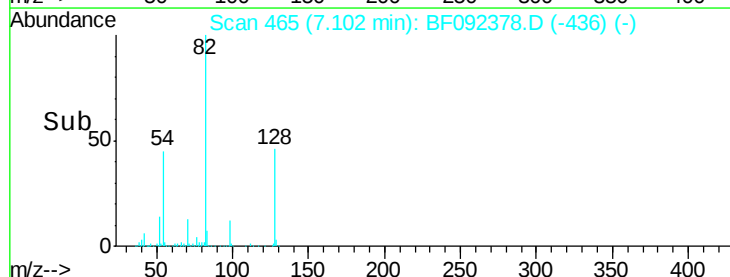
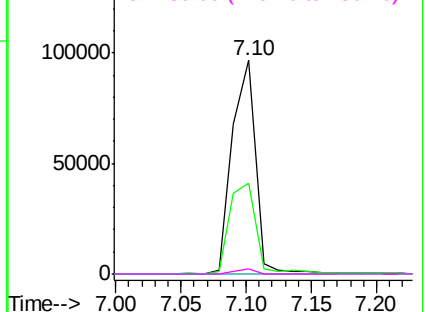


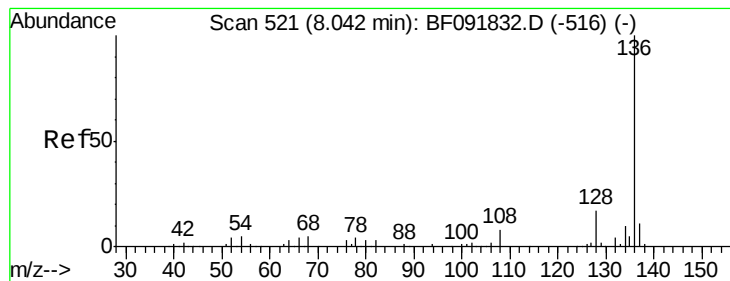
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 527

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

Tgt Ion: 136 Resp: 534038

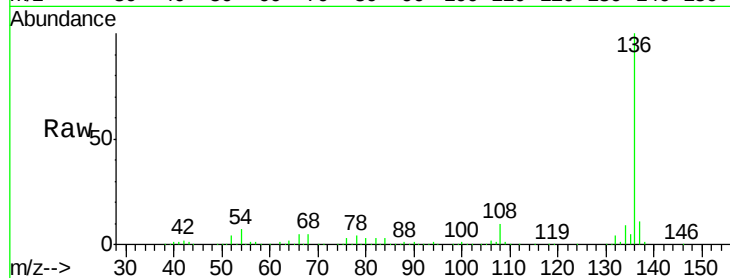
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.9 4.5 6.7#

68 5.1 3.6 5.4

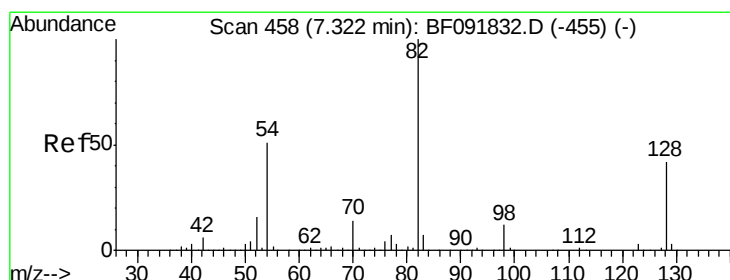
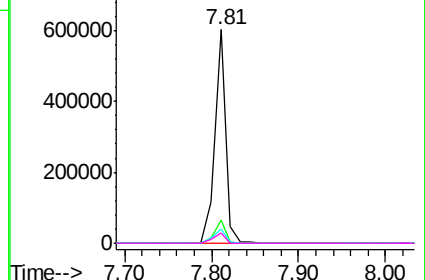
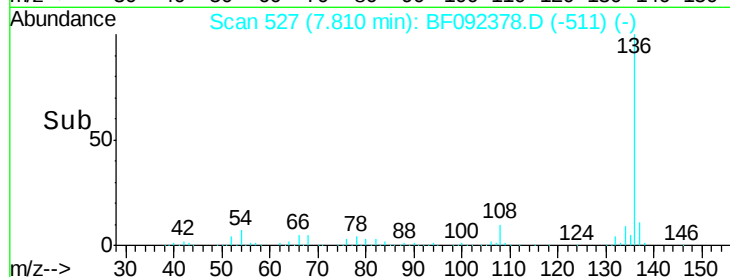


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.54 ng

RT: 7.10 min Scan# 465

Delta R.T. -0.11 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

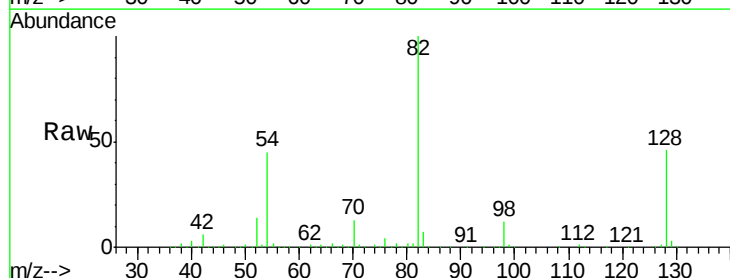
Tgt Ion: 82 Resp: 907989

Ion Ratio Lower Upper

82 100

128 46.4 34.6 52.0

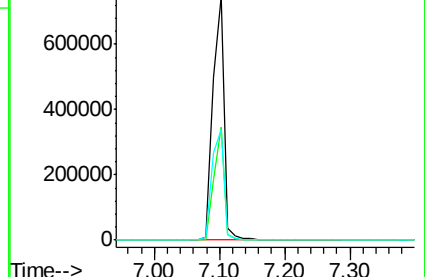
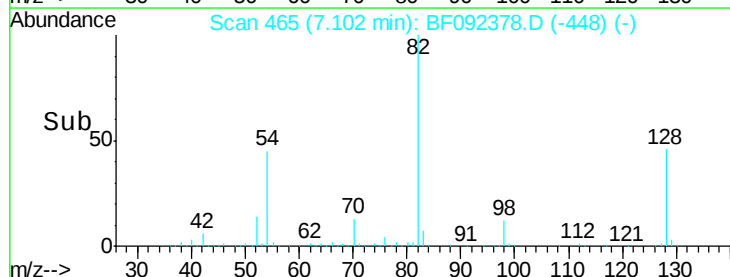
54 45.3 39.5 59.3

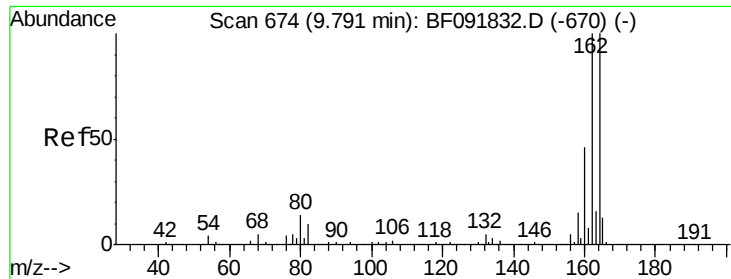


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 680

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampled :

B-2

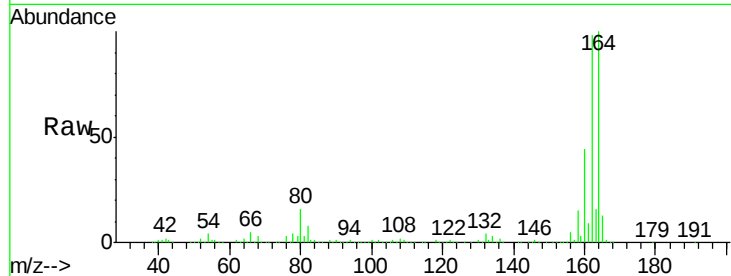
Tgt Ion:164 Resp: 379476

Ion Ratio Lower Upper

164 100

162 97.9 80.2 120.2

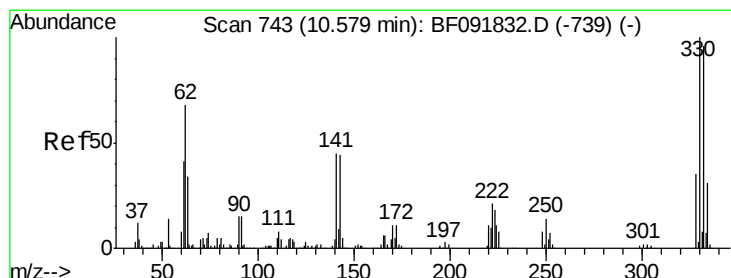
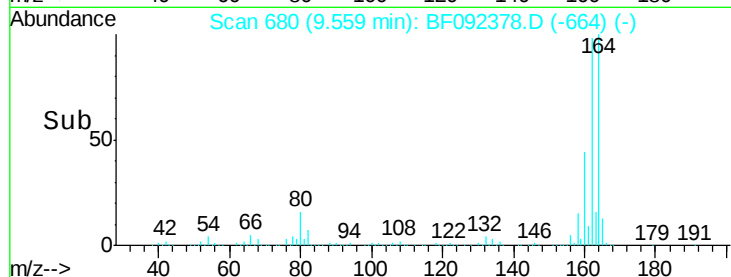
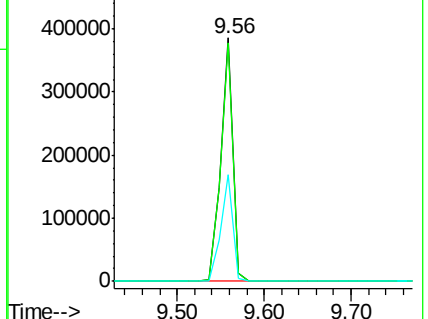
160 43.6 36.9 55.3



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: 102.64 ng

RT: 10.35 min Scan# 749

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

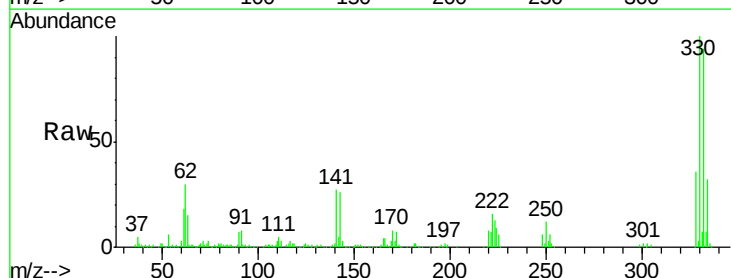
Tgt Ion:330 Resp: 322346

Ion Ratio Lower Upper

330 100

332 94.7 77.4 116.2

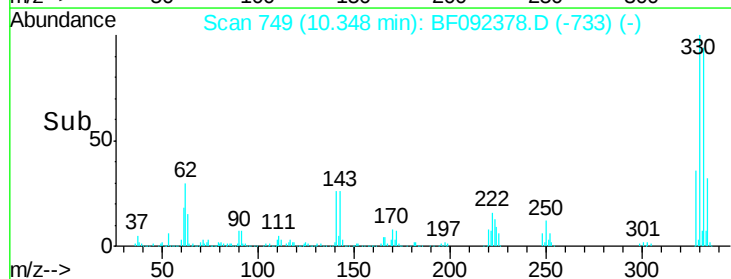
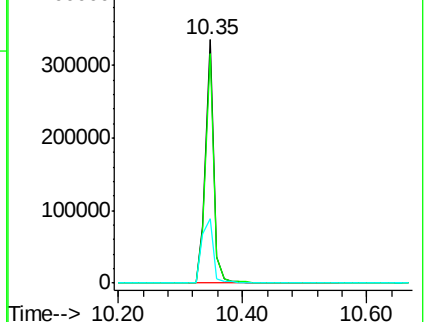
141 37.1 34.1 51.1

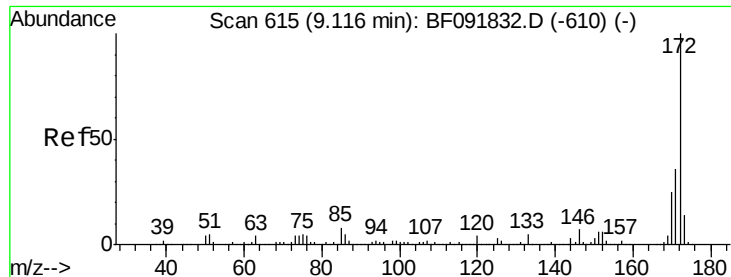


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

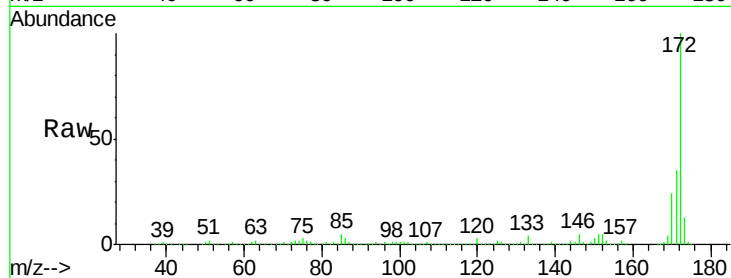




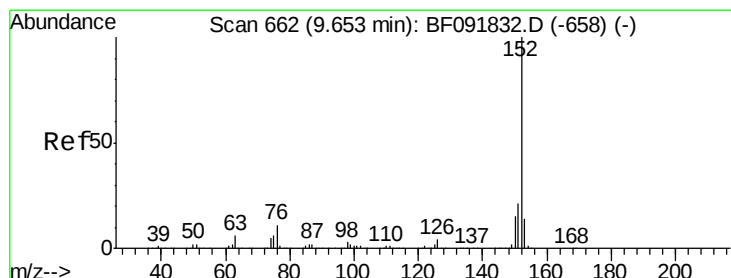
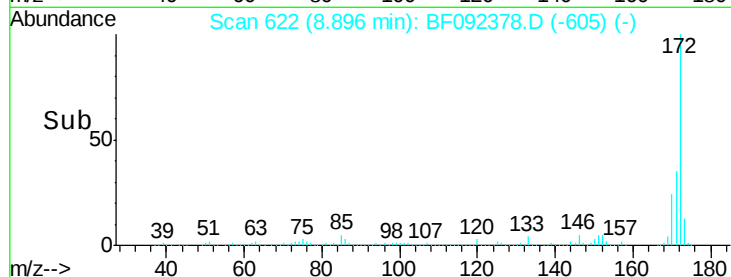
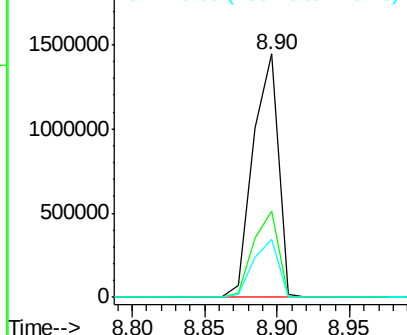
#44
 2-Fluorobiphenyl
 Concen: 96.22 ng
 RT: 8.90 min Scan# 622
 Delta R.T. -0.11 min
 Lab File: BF092378.D
 Acq: 20 Jan 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Tgt Ion:172 Resp: 1750590
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.0
 170 23.9 20.2 30.4

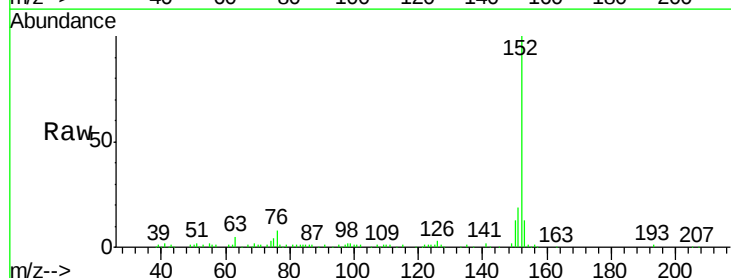


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

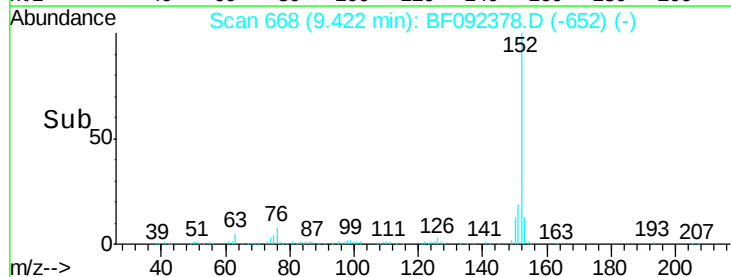
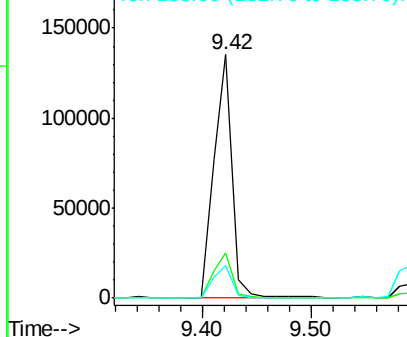


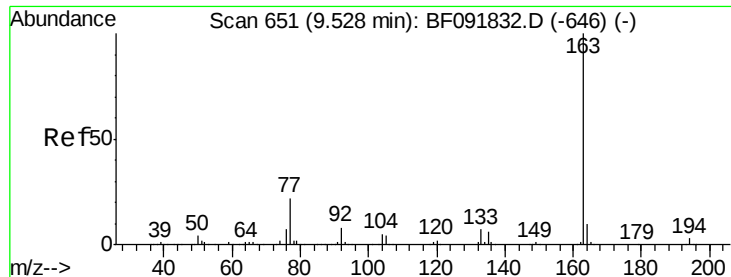
#48
 Acenaphthylene
 Concen: 5.00 ng
 RT: 9.42 min Scan# 668
 Delta R.T. -0.12 min
 Lab File: BF092378.D
 Acq: 20 Jan 2017 17:47

Tgt Ion:152 Resp: 158381
 Ion Ratio Lower Upper
 152 100
 151 18.8 16.9 25.3
 153 13.2 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

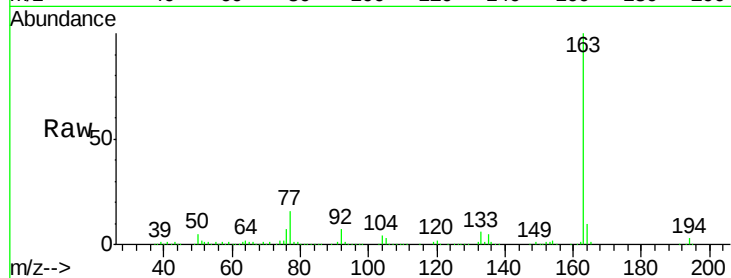




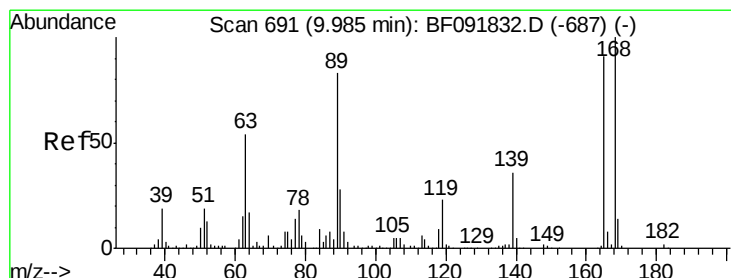
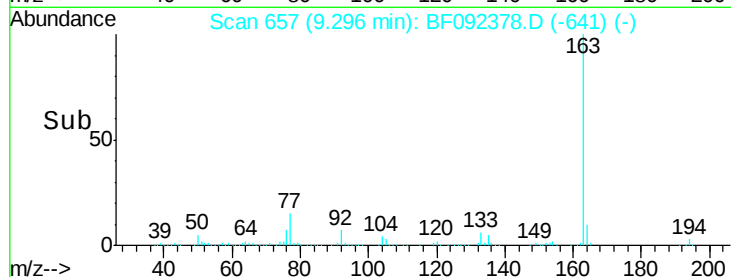
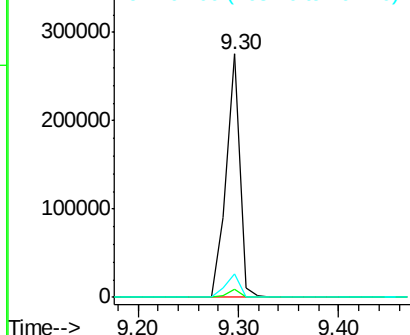
#49
Dimethylphthalate
Concen: 10.82 ng
RT: 9.30 min Scan# 657
Delta R.T. -0.12 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion:163 Resp: 262597
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.5 8.0 12.0

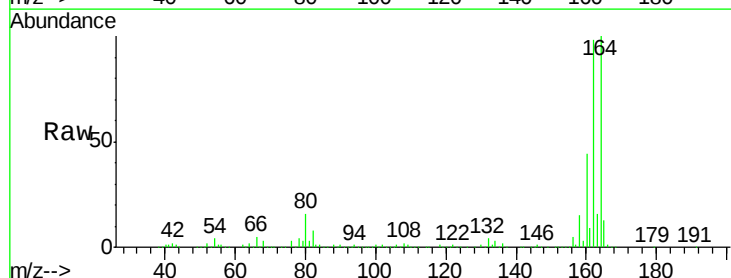


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

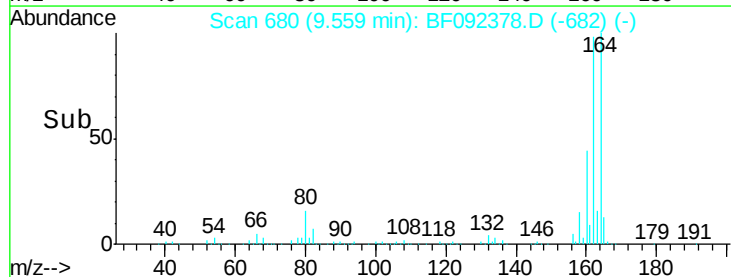
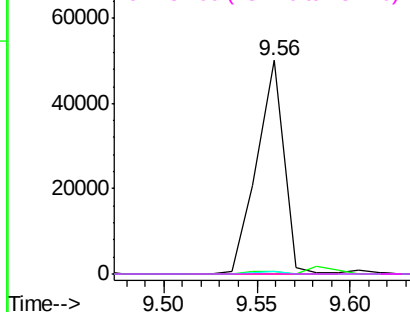


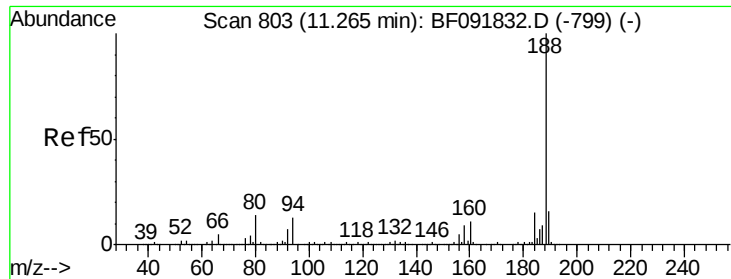
#56
2,4-Dinitrotoluene
Concen: 7.61 ng
RT: 9.56 min Scan# 680
Delta R.T. -0.33 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion:165 Resp: 50707
Ion Ratio Lower Upper
165 100
63 0.9 40.2 60.4#
89 1.0 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

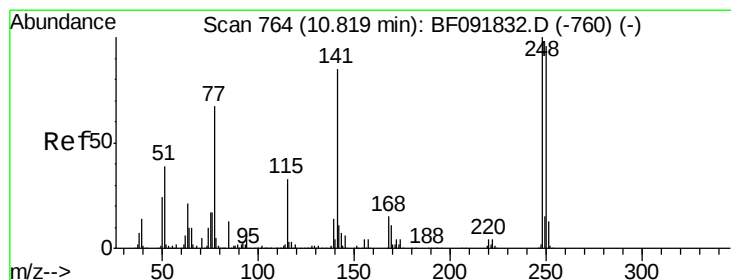
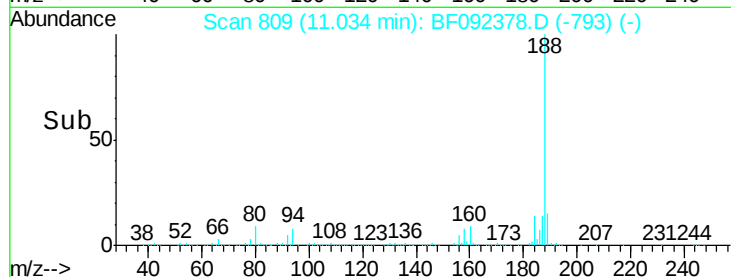
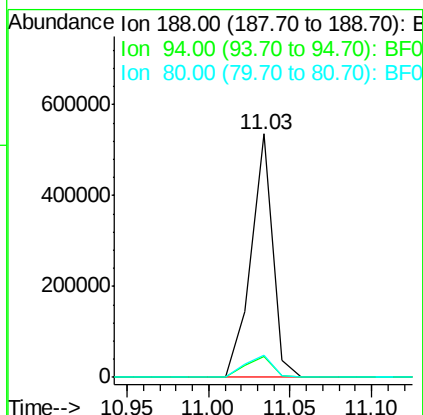
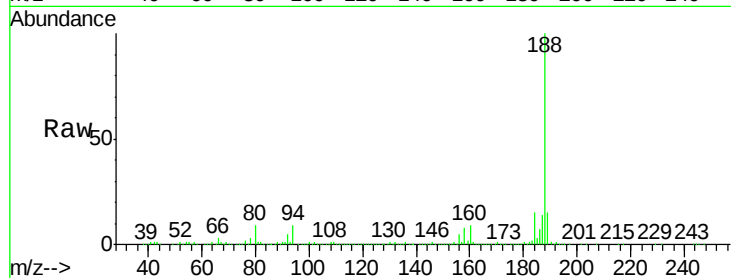




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 809
Delta R.T. -0.12 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

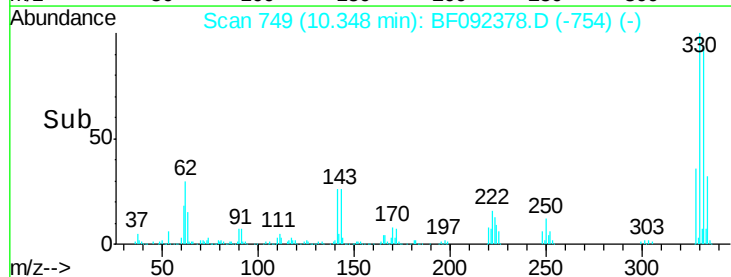
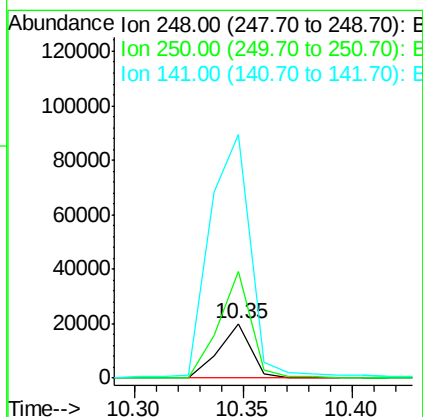
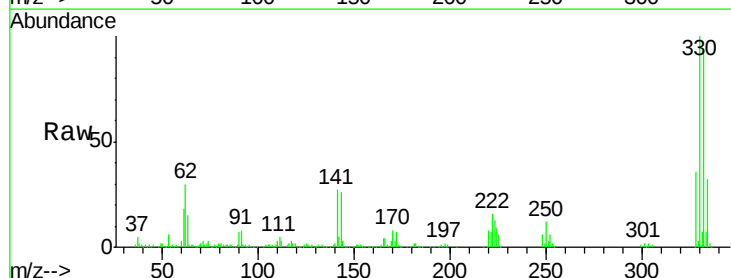
Instrument :
BNA_F
ClientSampleId :
B-2

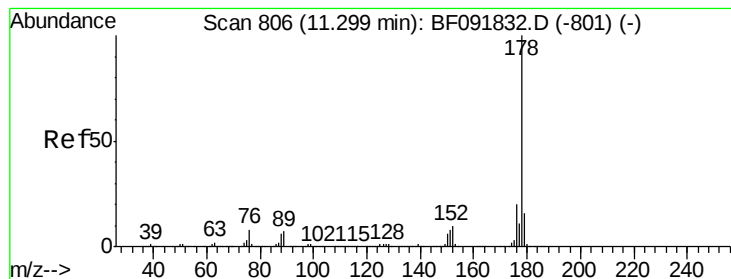
Tgt Ion:188 Resp: 494715
Ion Ratio Lower Upper
188 100
94 8.6 10.0 15.0#
80 9.1 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.35 min Scan# 749
Delta R.T. -0.36 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion:248 Resp: 20589
Ion Ratio Lower Upper
248 100
250 196.1 76.9 115.3#
141 448.4 68.2 102.4#





#70

Phenanthrene

Concen: 12.44 ng

RT: 11.06 min Scan# 811

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

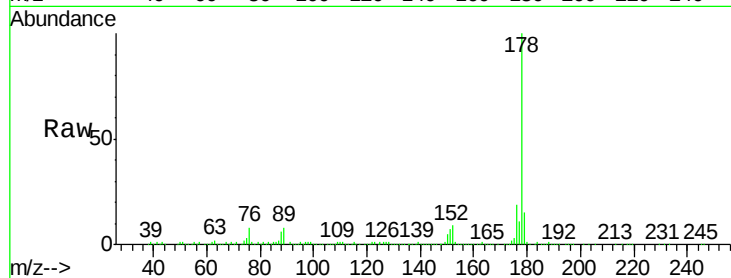
Tgt Ion:178 Resp: 333745

Ion Ratio Lower Upper

178 100

176 18.6 16.6 25.0

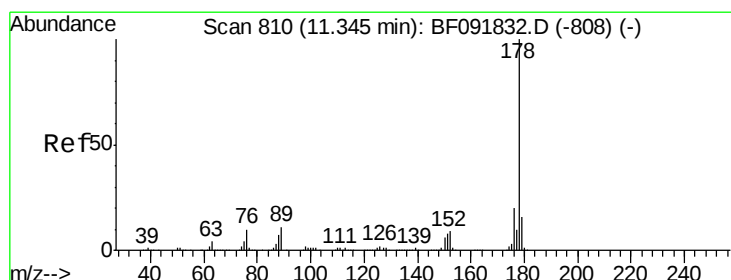
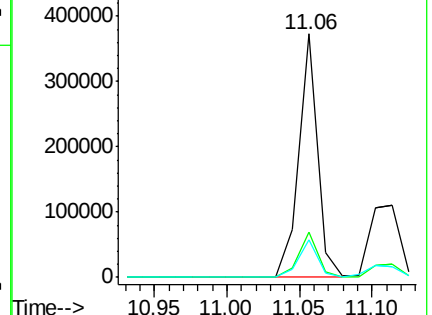
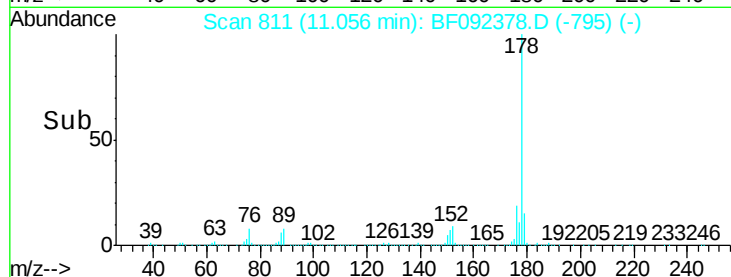
179 15.2 12.8 19.2



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: 4.80 ng

RT: 11.11 min Scan# 816

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

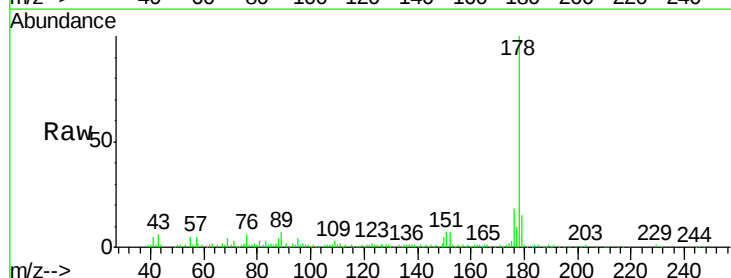
Tgt Ion:178 Resp: 162854

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

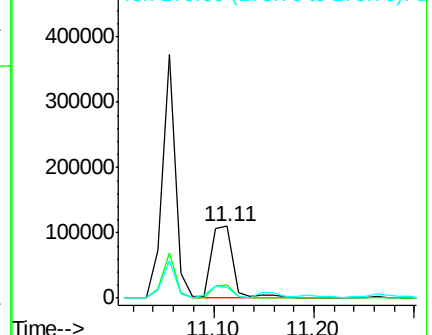
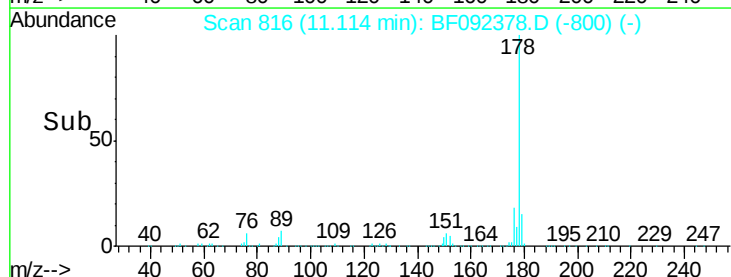
179 15.0 13.2 19.8

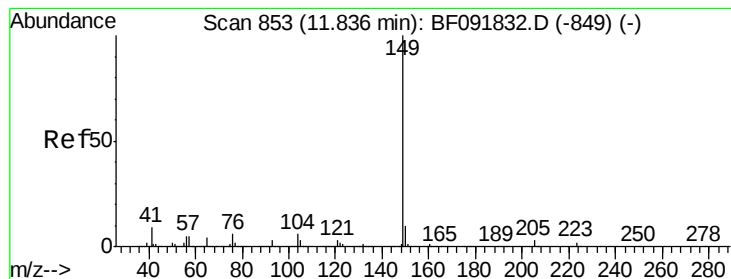


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 10.72 ng

RT: 11.62 min Scan# 860

Delta R.T. -0.11 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

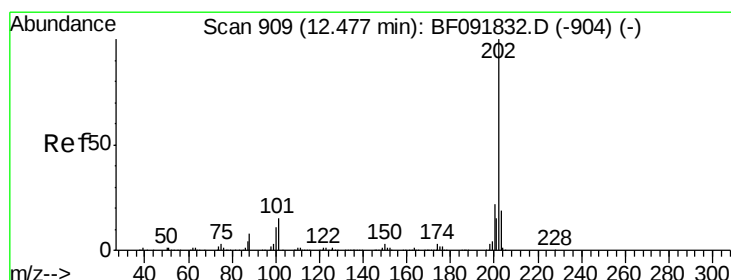
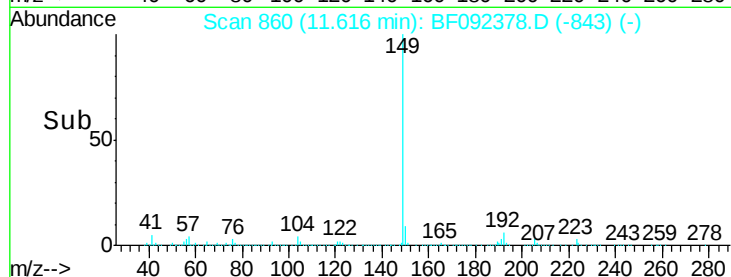
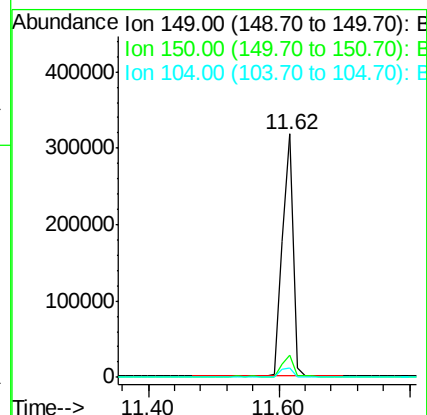
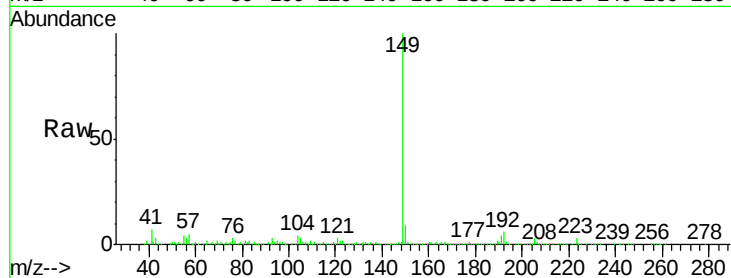
Instrument :

BNA_F

ClientSampleId :

B-2

Tgt Ion:	149	Resp:	351892
Ion Ratio	Lower	Upper	
149	100		
150	9.3	8.1	12.1
104	3.8	4.6	7.0#



#74

Fluoranthene

Concen: 29.17 ng

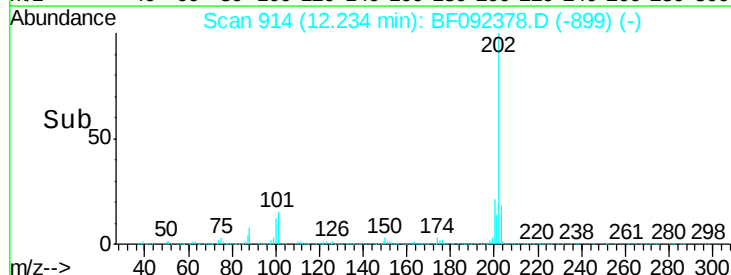
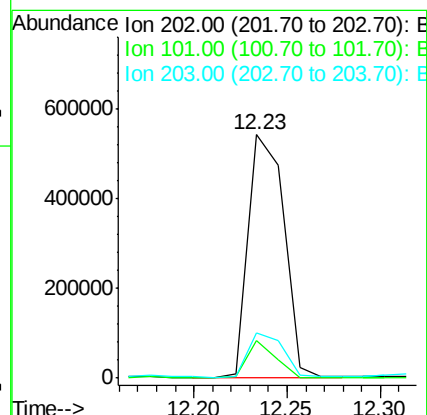
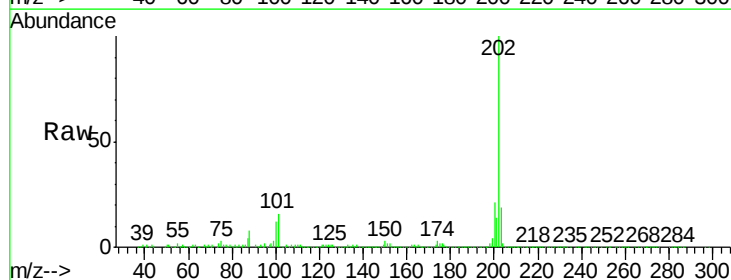
RT: 12.23 min Scan# 914

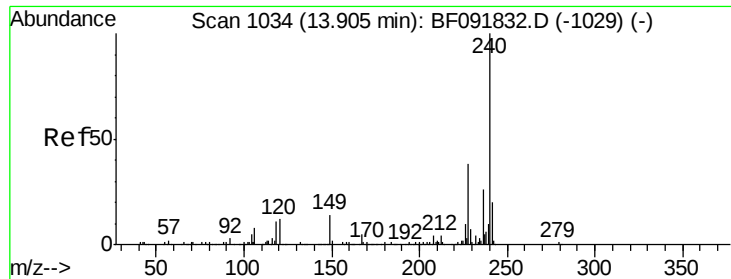
Delta R.T. -0.13 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Tgt Ion:	202	Resp:	718163
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	34.6
203	18.6	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1039

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

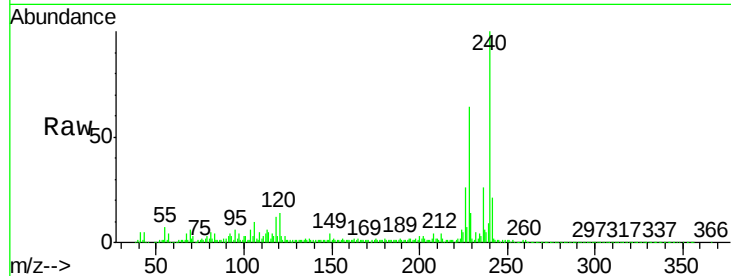
Tgt Ion:240 Resp: 352096

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

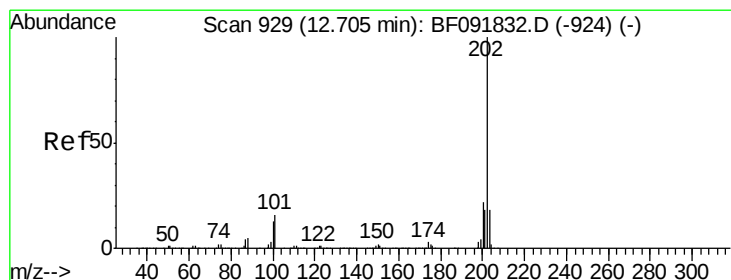
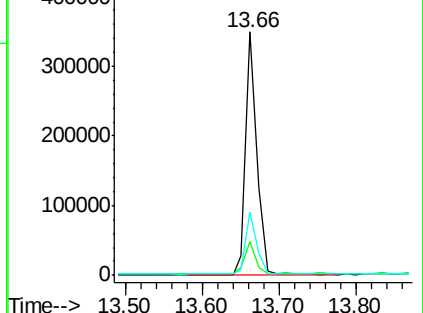
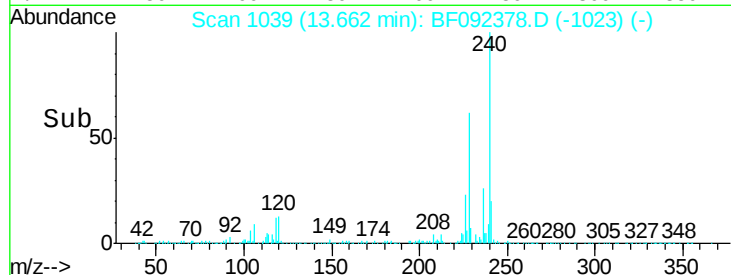
236 26.1 20.9 31.3



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: 27.35 ng

RT: 12.46 min Scan# 934

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

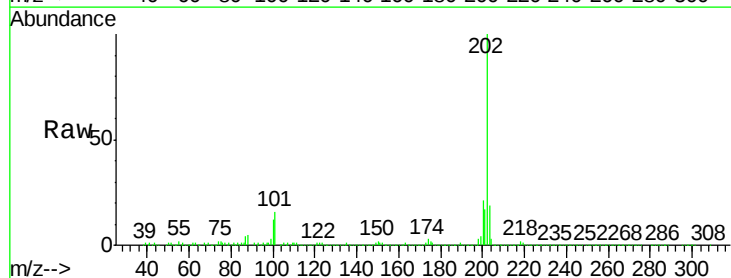
Tgt Ion:202 Resp: 706642

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

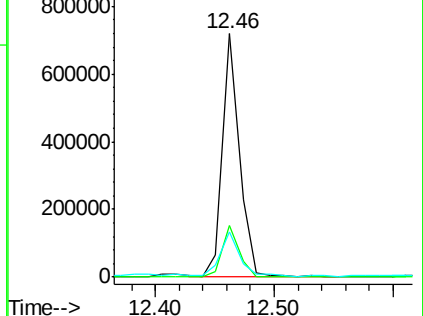
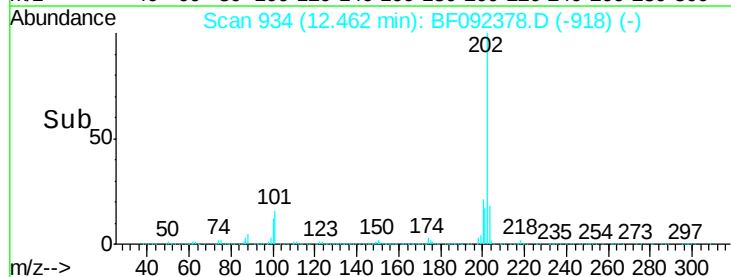
203 18.6 14.7 22.1

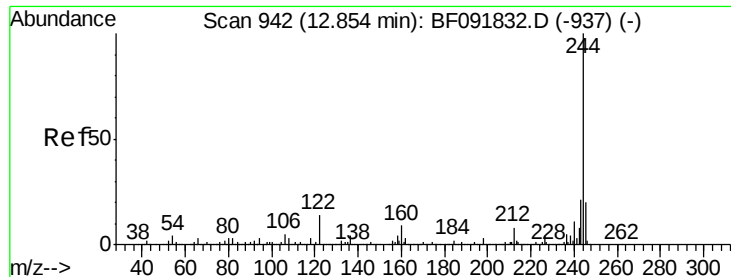


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.90 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

Tgt Ion:244 Resp: 1145415

Ion Ratio Lower Upper

244 100

212 6.6

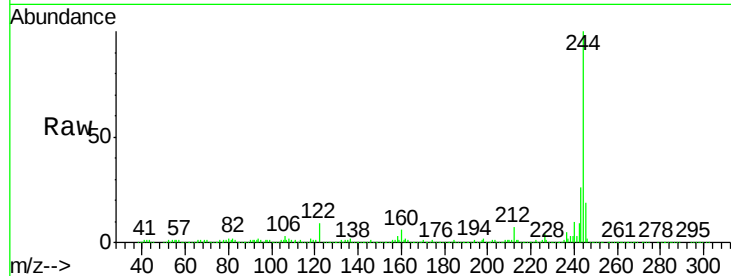
6.2

9.2

122 8.8

11.4

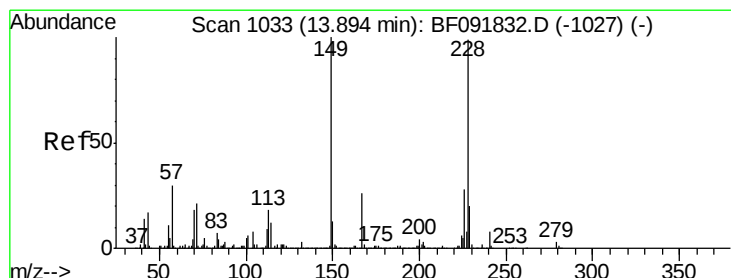
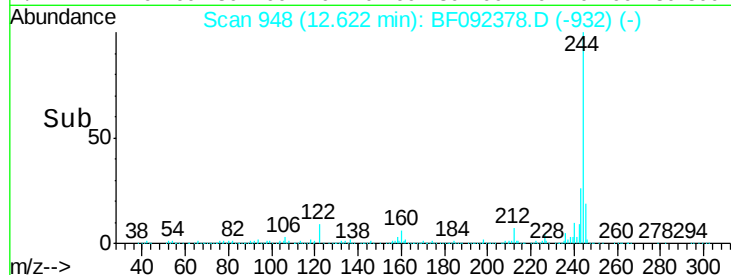
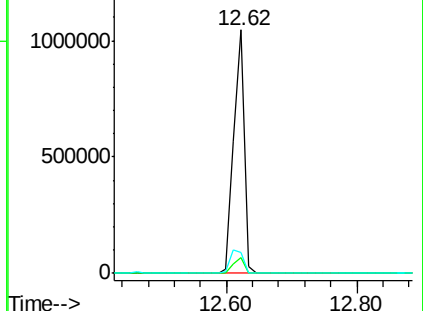
17.2#



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: 24.55 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.12 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Tgt Ion:228 Resp: 487993

Ion Ratio Lower Upper

228 100

226 30.4

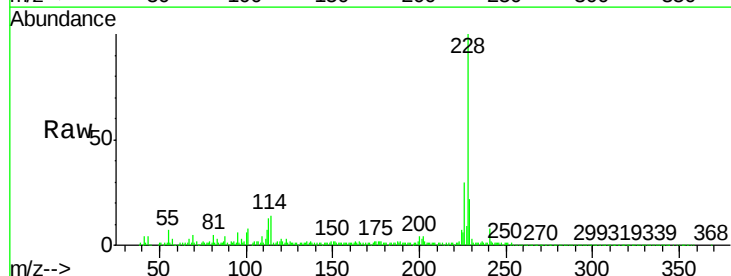
22.4

33.6

229 22.0

16.2

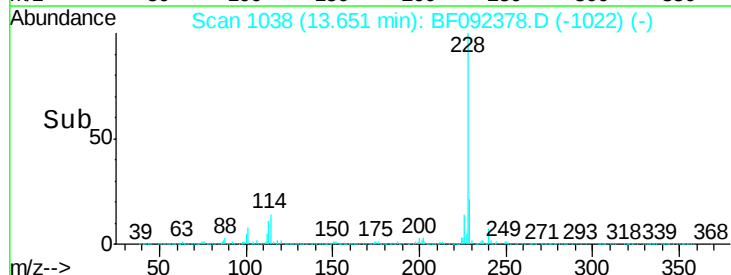
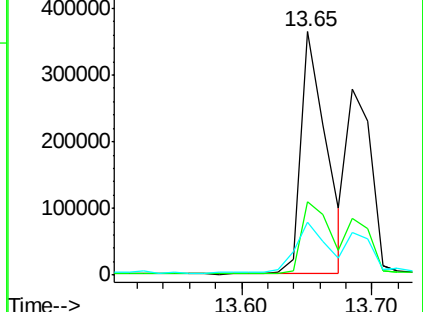
24.4

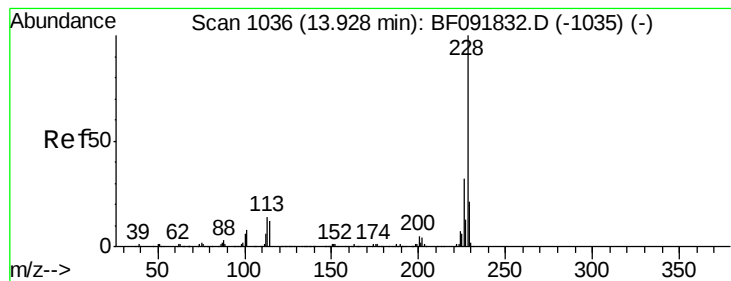


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.48 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.16 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

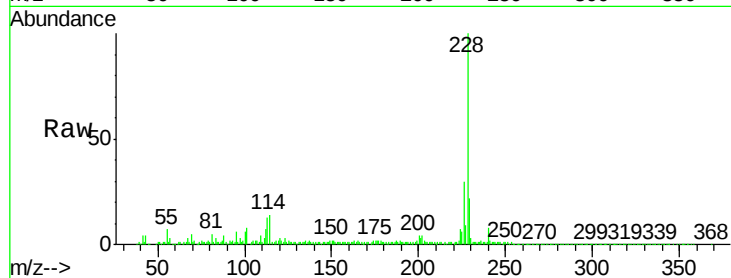
Tgt Ion:228 Resp: 487993

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

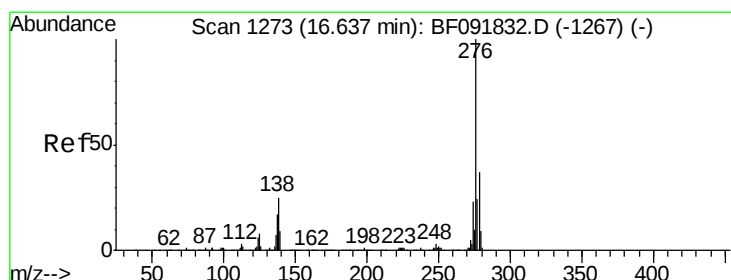
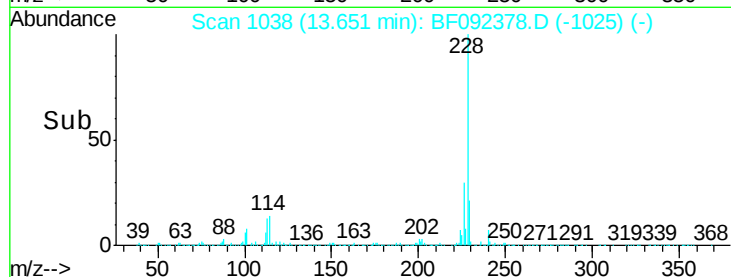
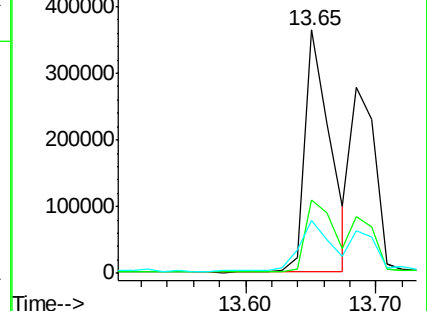
229 22.0 16.2 24.2



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: 12.07 ng

RT: 16.25 min Scan# 1265

Delta R.T. -0.18 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

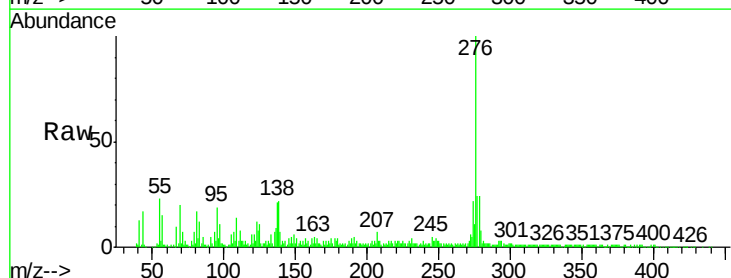
Tgt Ion:276 Resp: 208500

Ion Ratio Lower Upper

276 100

138 21.2 21.8 32.6#

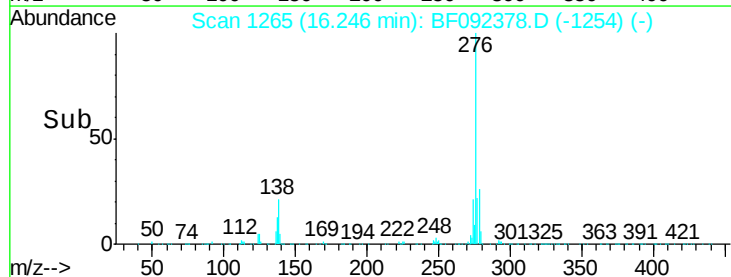
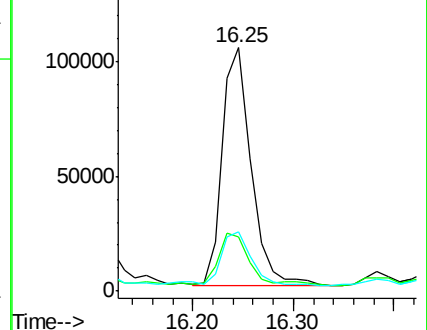
277 24.1 20.2 30.4

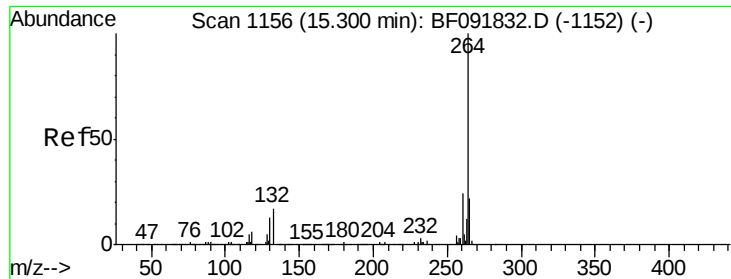


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



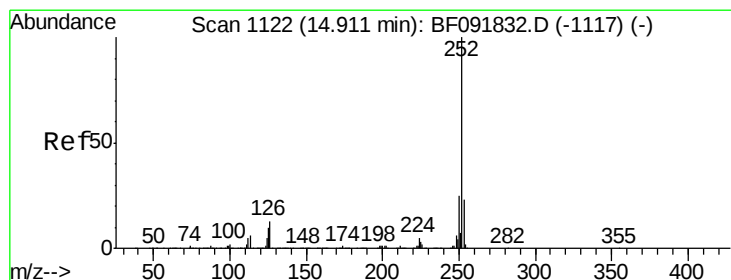
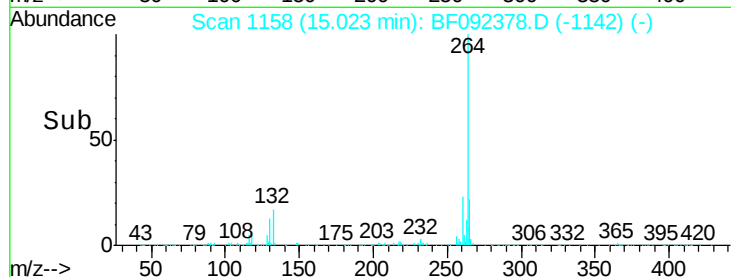
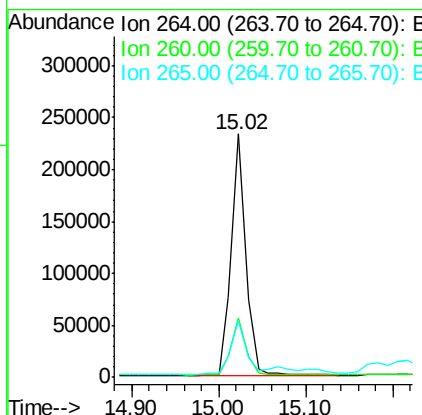
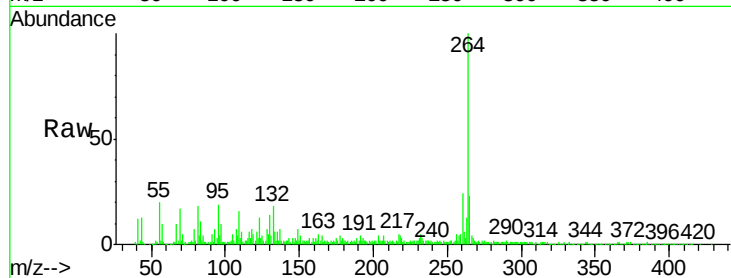


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1158
Delta R.T. -0.12 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion: 264 Resp: 277645

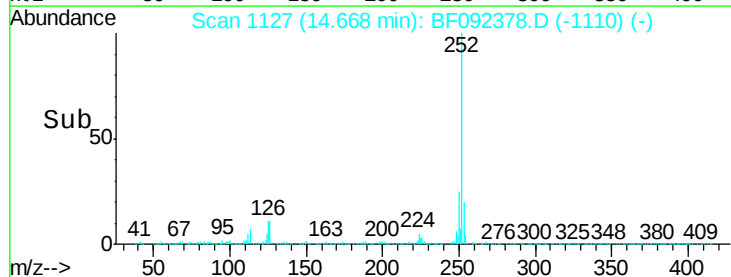
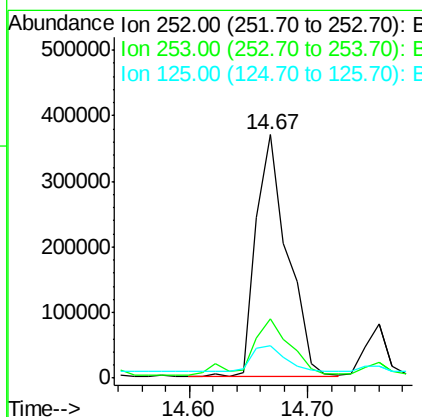
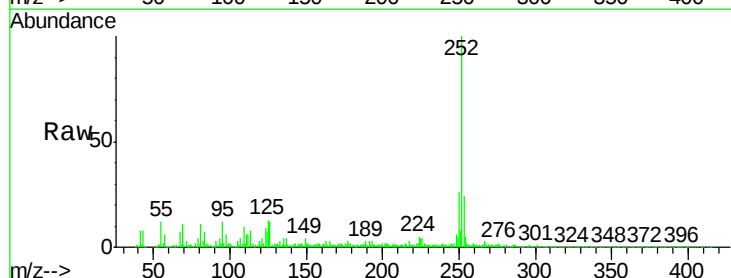
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.3	17.4	26.0

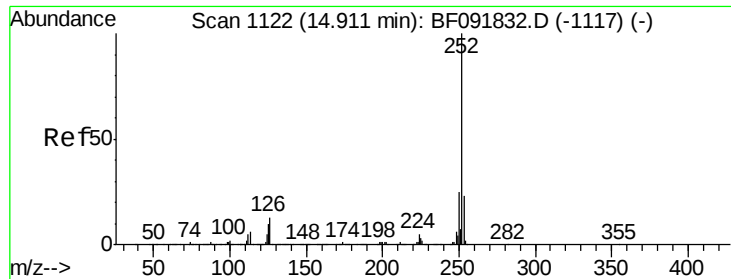


#87
Benzo(b)fluoranthene
Concen: 39.35 ng
RT: 14.67 min Scan# 1127
Delta R.T. -0.11 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion: 252 Resp: 680176

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.4
125	13.3	9.8	14.6

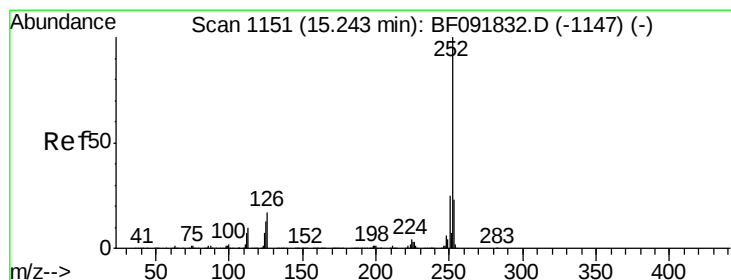
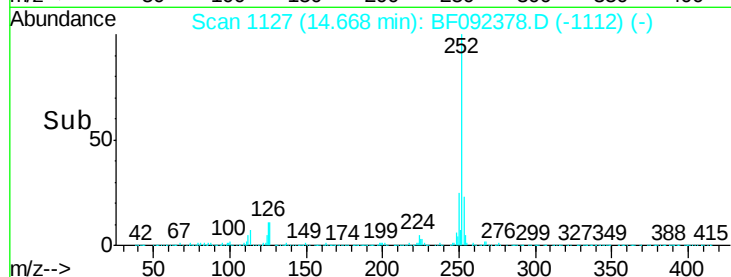
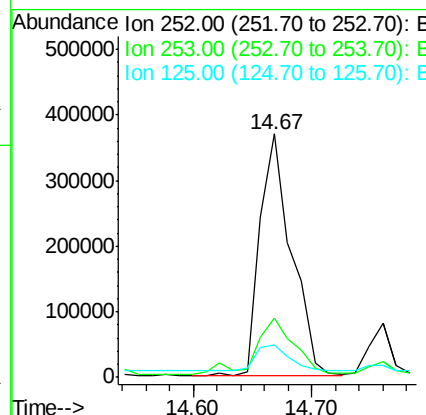
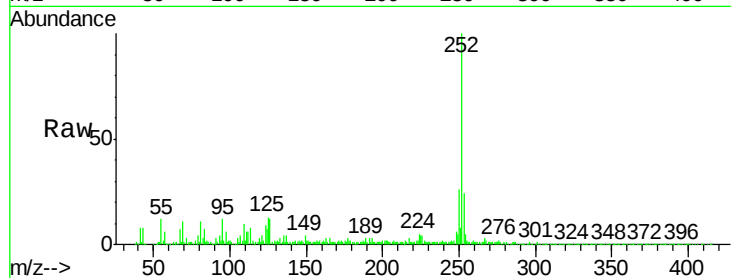




#88
Benzo(k)fluoranthene
Concen: 46.14 ng
RT: 14.67 min Scan# 1127
Delta R.T. -0.13 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

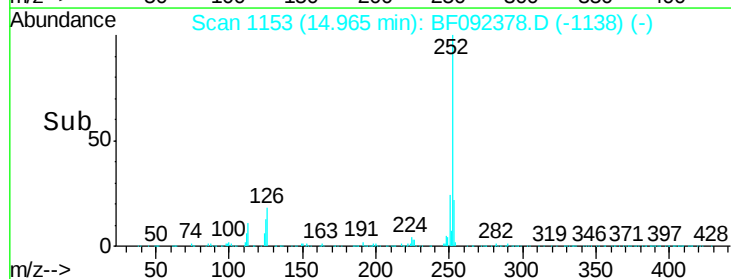
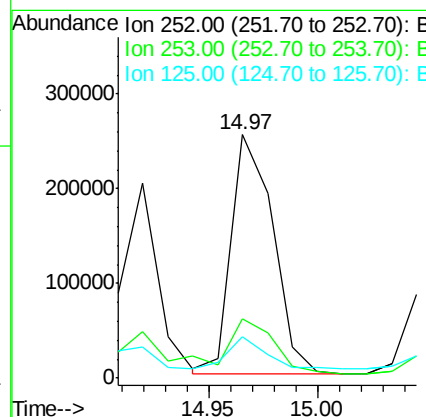
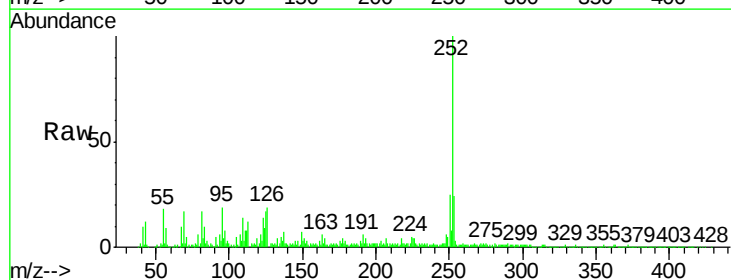
Instrument :
BNA_F
ClientSampled :
B-2

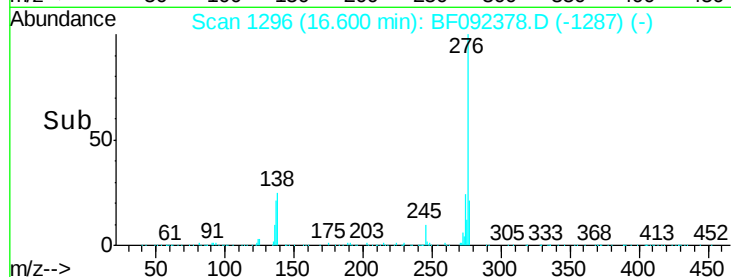
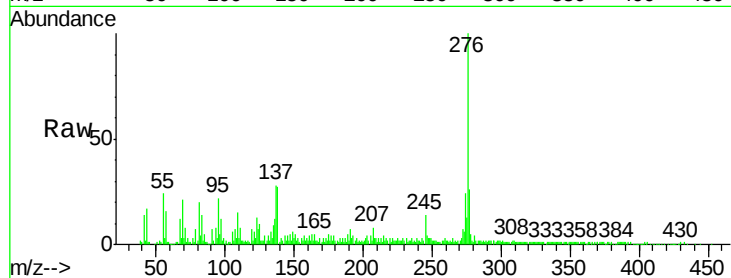
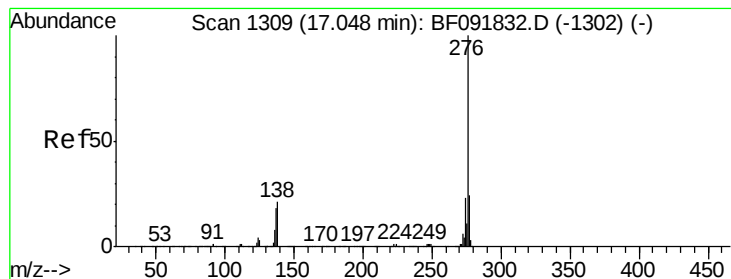
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	13.3	8.9	13.3#



#89
Benzo(a)pyrene
Concen: 22.08 ng
RT: 14.97 min Scan# 1153
Delta R.T. -0.13 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	17.0	10.0	15.0#





#91

Benzo(g,h,i)perylene

Concen: 14.14 ng

RT: 16.60 min Scan# 1296

Delta R.T. -0.20 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

Tgt Ion: 276 Resp: 185439

Ion Ratio Lower Upper

276 100

277 26.1 19.2 28.8

138 27.0 16.0 24.0#

