

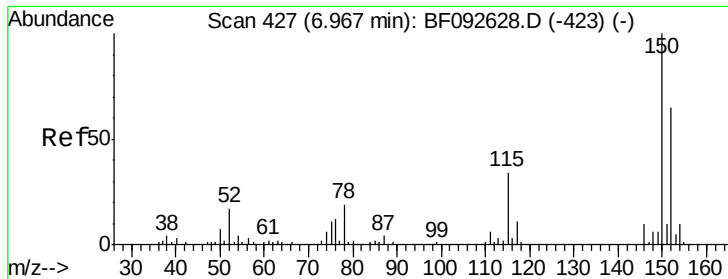
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092902.D
 Acq On : 11 Feb 2017 00:02
 Operator : SJ/MA
 Sample : I1777-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38-SB-102-0-2

Quant Time: Feb 11 00:37:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 23:31:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	176655	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	714048	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	435727	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	678007	20.00	ng	0.00
75) Chrysene-d12	14.05	240	448049	20.00	ng	-0.01
86) Perylene-d12	15.51	264	357340	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1214258	117.93	ng	0.01
7) Phenol-d6	6.53	99	1384525	104.50	ng	0.00
23) Nitrobenzene-d5	7.46	82	909143	70.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	295128	93.65	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	1786044	74.26	ng	0.00
78) Terphenyl-d14	13.01	244	1423727	74.66	ng	0.00
Target Compounds						
10) Phenol	6.54	94	87045	5.62	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.46	70	120266	14.26	ng	# 83
25) Isophorone	7.46	82	902915	37.79	ng	# 65
49) Dimethylphthalate	9.65	163	229242	7.81	ng	100
56) 2,4-Dinitrotoluene	9.94	165	55305	6.55	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.73	198	684	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	22031	3.11	ng	# 1
70) Phenanthrene	11.45	178	179345	4.62	ng	96
74) Fluoranthene	12.64	202	277534	6.93	ng	91
77) Pyrene	12.87	202	248783	7.42	ng	96
80) Benzo(a)anthracene	14.04	228	116532	4.25	ng	100
82) Chrysene	14.04	228	116532	4.54	ng	96
85) Indeno(1,2,3-cd)pyrene	16.92	276	50644	2.55	ng	97
87) Benzo(b)fluoranthene	15.08	252	143659	6.11	ng	# 98
88) Benzo(k)fluoranthene	15.08	252	143659	7.07	ng	# 97
89) Benzo(a)pyrene	15.44	252	76516	3.76	ng	# 96
91) Benzo(g,h,i)perylene	17.36	276	52358	3.15	ng	# 90

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

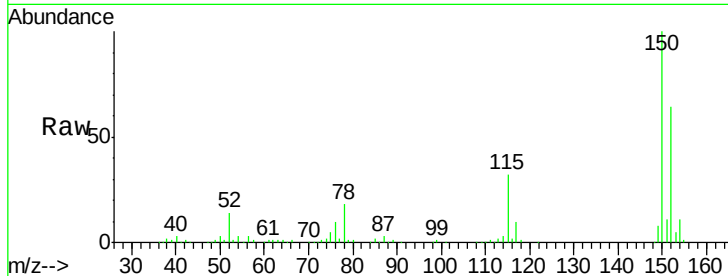


#1

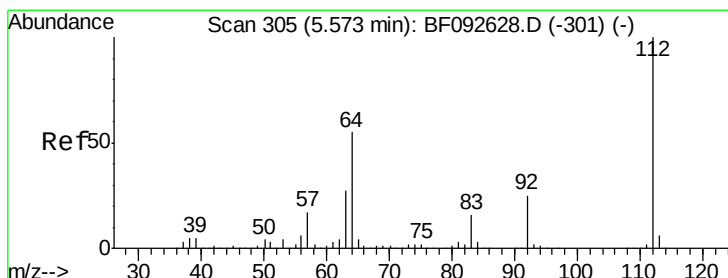
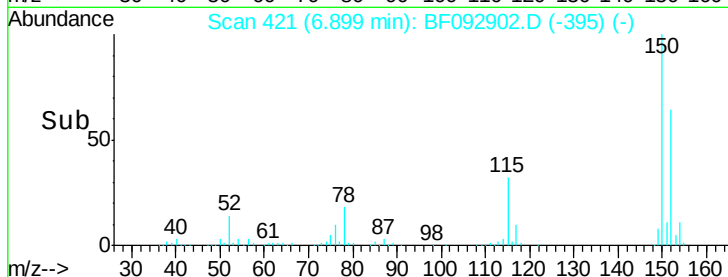
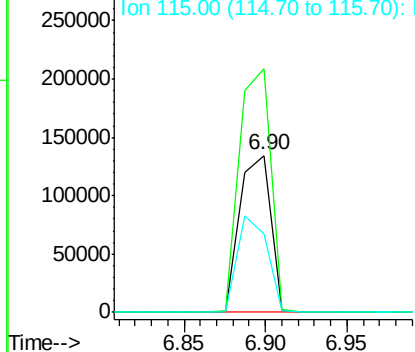
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Instrument :
BNA_F
ClientSampleId :
38-SB-102-0-2

Tgt Ion:152 Resp: 176655
Ion Ratio Lower Upper
152 100
150 155.4 124.9 187.3
115 49.8 46.0 69.0



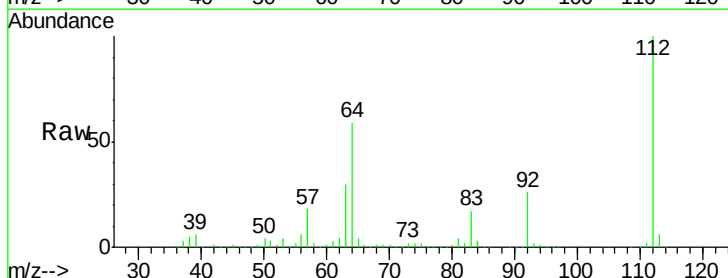
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



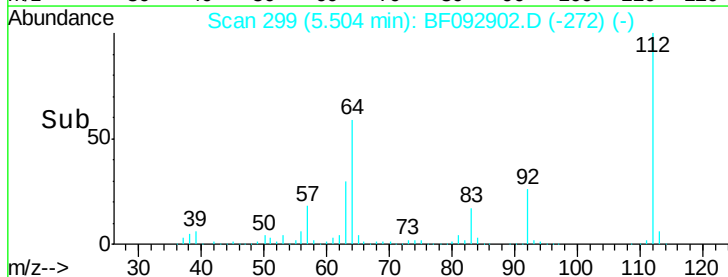
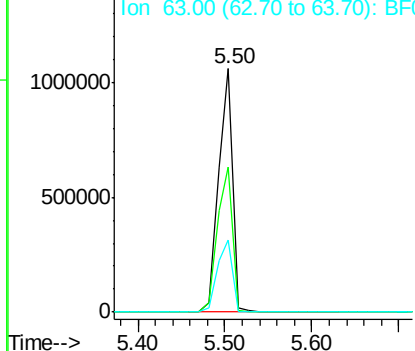
#5

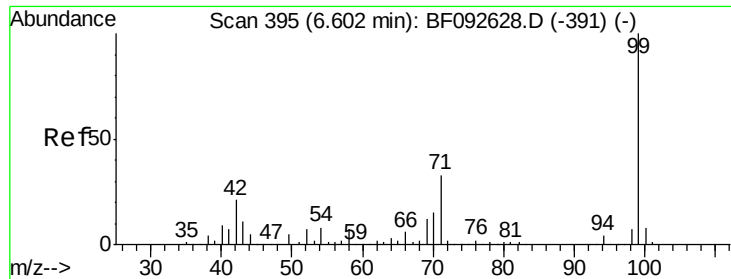
2-Fluorophenol
Concen: 117.93 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Tgt Ion:112 Resp: 1214258
Ion Ratio Lower Upper
112 100
64 59.4 46.1 69.1
63 29.7 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: 104.50 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

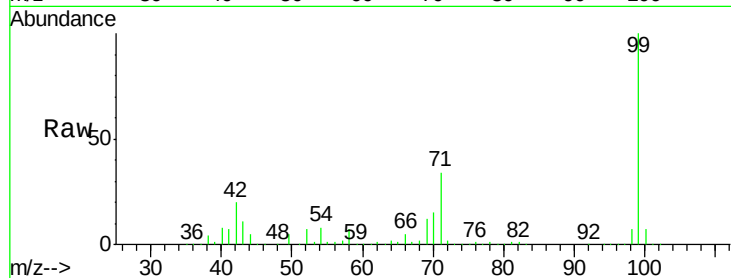
Tgt Ion: 99 Resp: 1384525

Ion Ratio Lower Upper

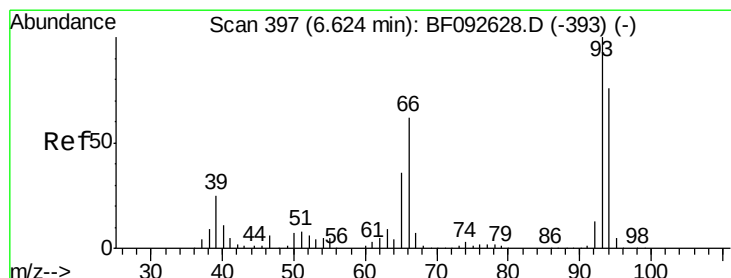
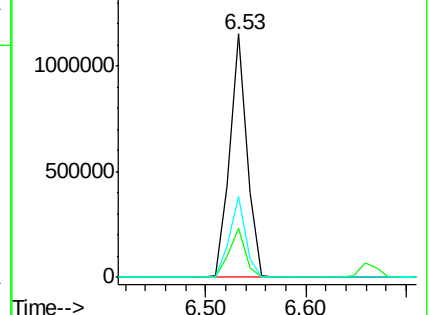
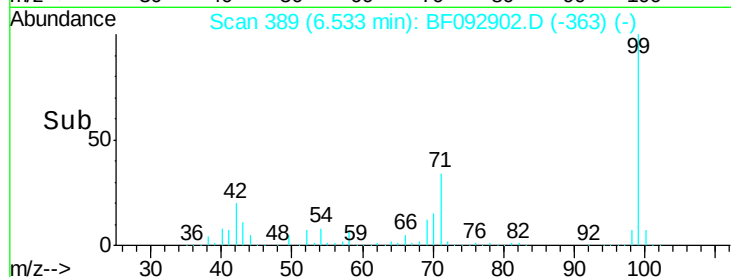
99 100

42 20.1 15.6 23.4

71 33.5 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.62 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

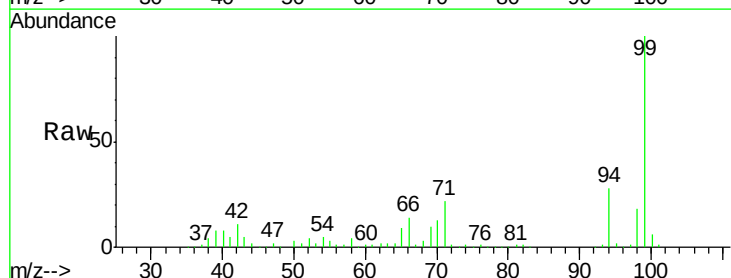
Tgt Ion: 94 Resp: 87045

Ion Ratio Lower Upper

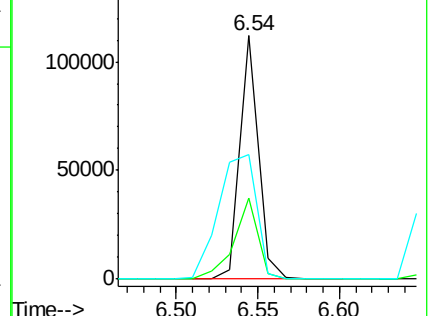
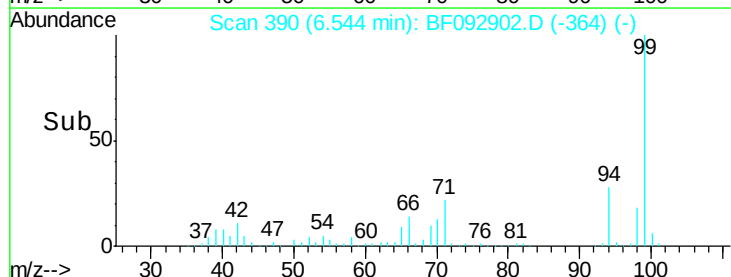
94 100

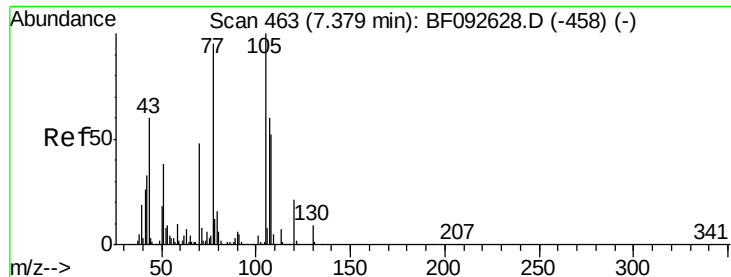
65 33.1 21.4 61.4

66 51.0 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

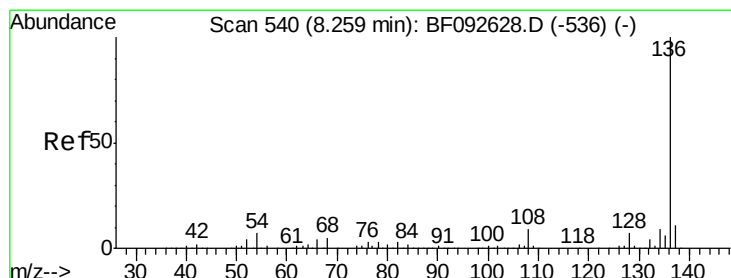
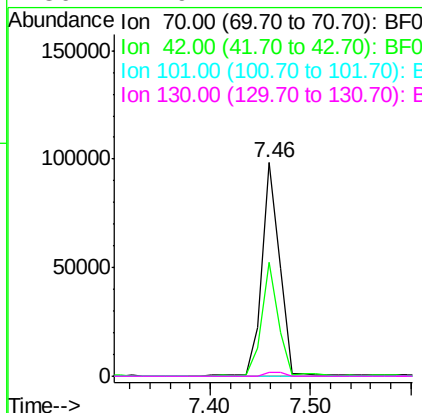
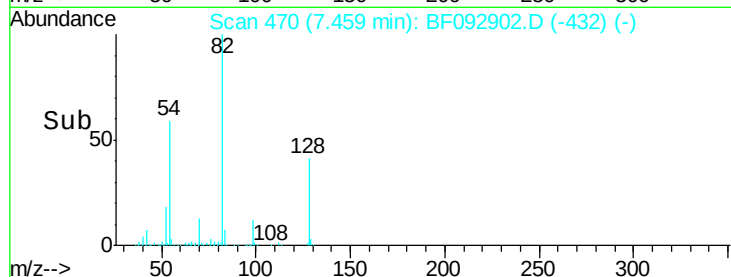
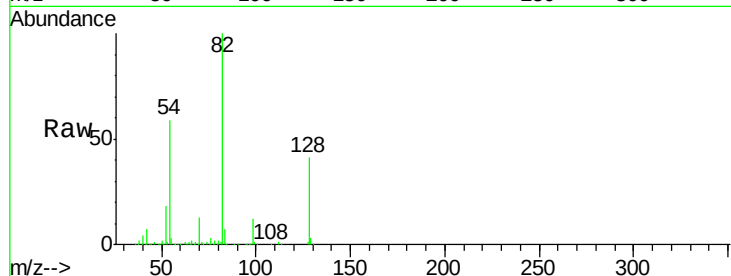




#19
n-Nitroso-di-n-propylamine
Concen: 14.26 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

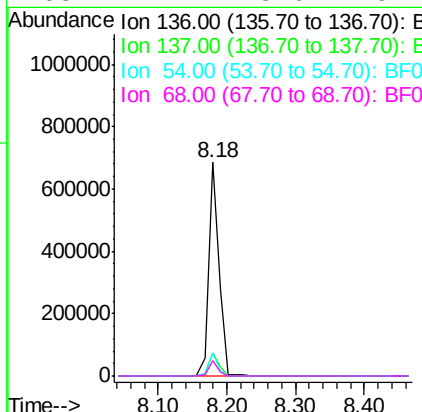
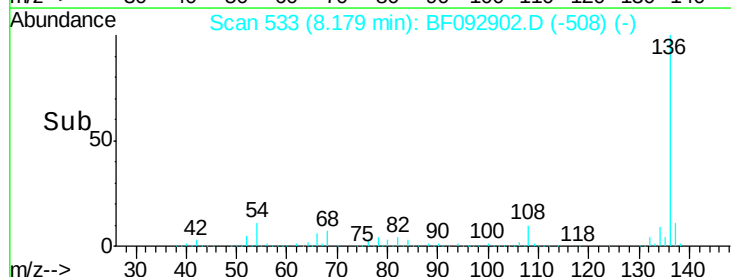
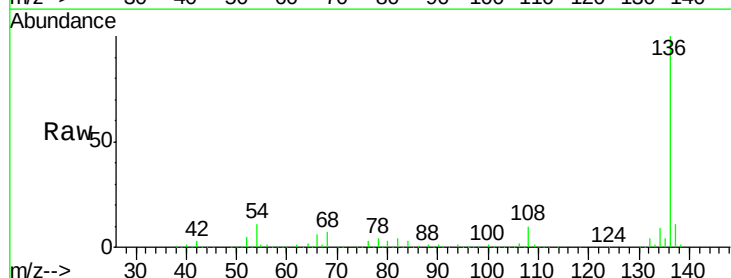
Instrument :
BNA_F
ClientSampleId :
38-SB-102-0-2

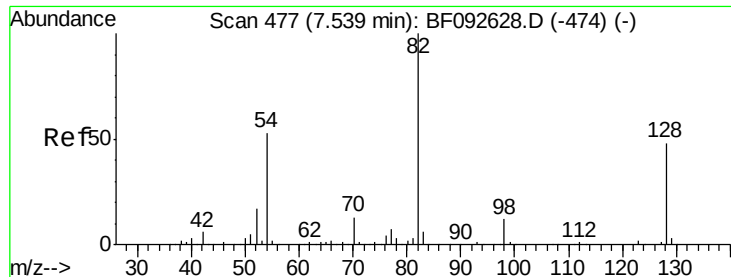
Tgt Ion: 70 Resp: 120266
Ion Ratio Lower Upper
70 100
42 53.4 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Tgt Ion: 136 Resp: 714048
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 11.1 4.5 6.7#
68 7.4 3.6 5.4#

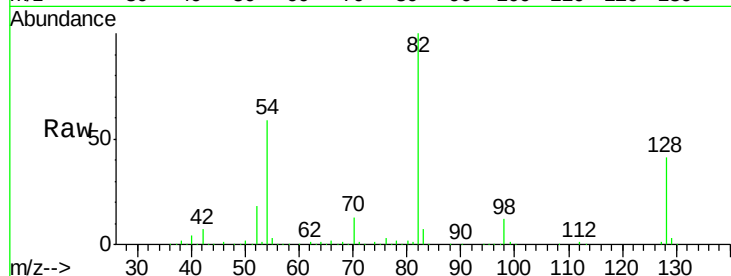




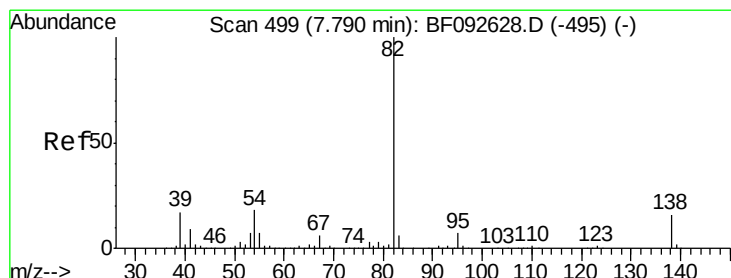
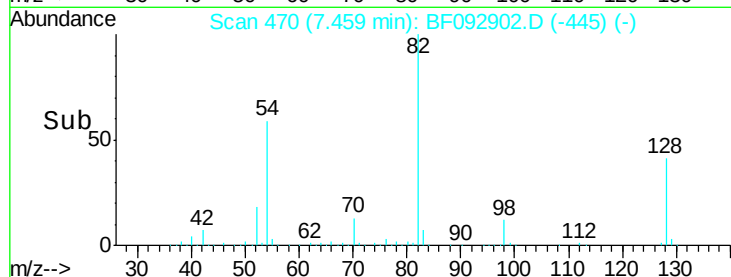
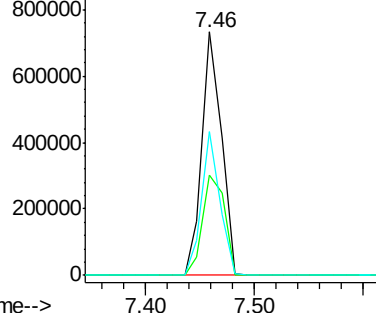
#23
Nitrobenzene-d5
Concen: 70.90 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Instrument :
BNA_F
ClientSampleId :
38-SB-102-0-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.6	52.0
54	59.0	39.5	59.3

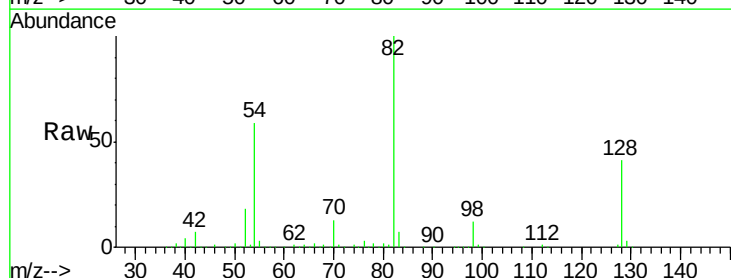


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

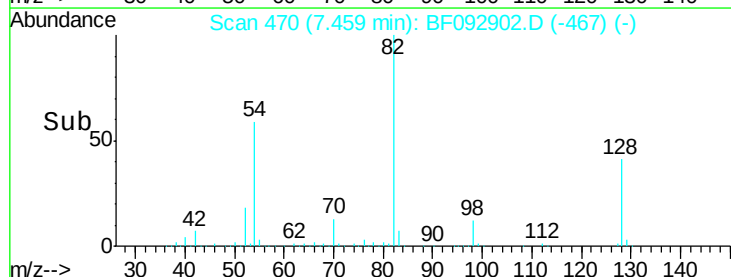
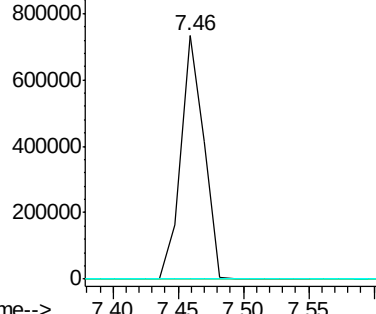


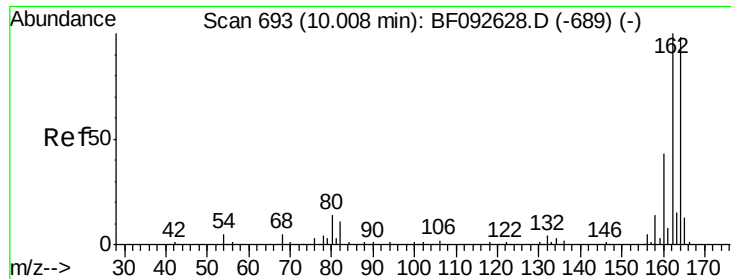
#25
Isophorone
Concen: 37.79 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.26 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	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: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

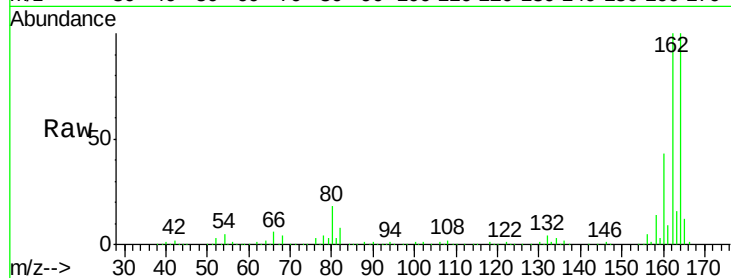
Tgt Ion:164 Resp: 435727

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

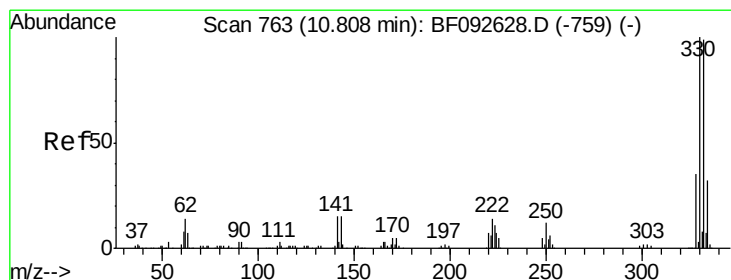
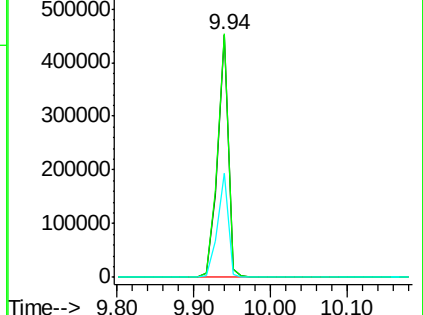
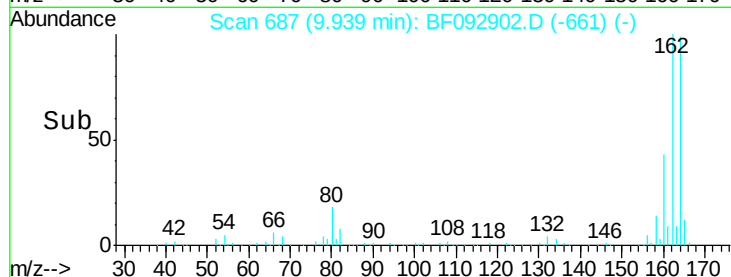
160 42.8 36.9 55.3



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: 93.65 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

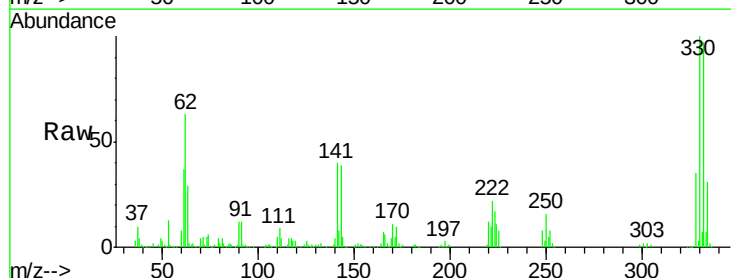
Tgt Ion:330 Resp: 295128

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

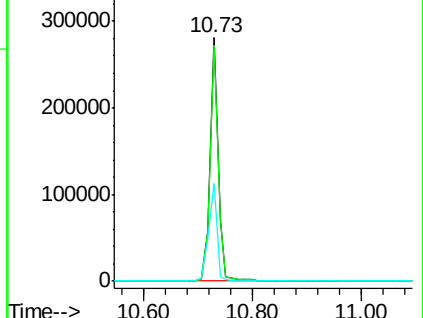
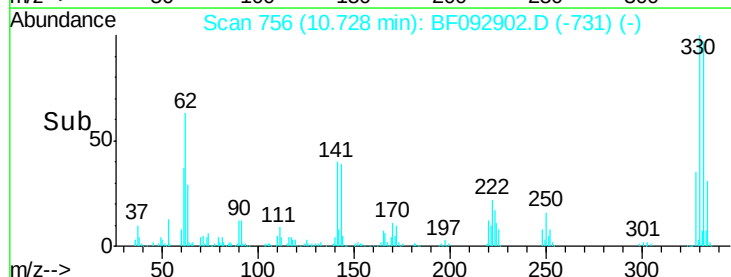
141 40.9 34.1 51.1

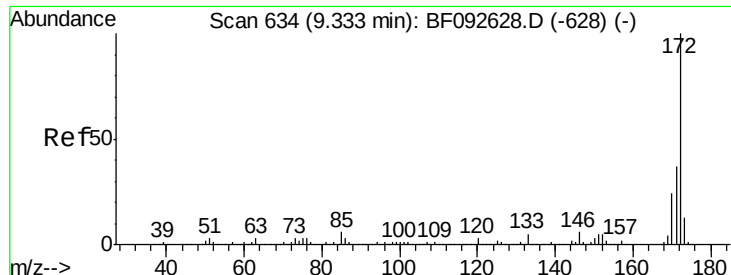


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

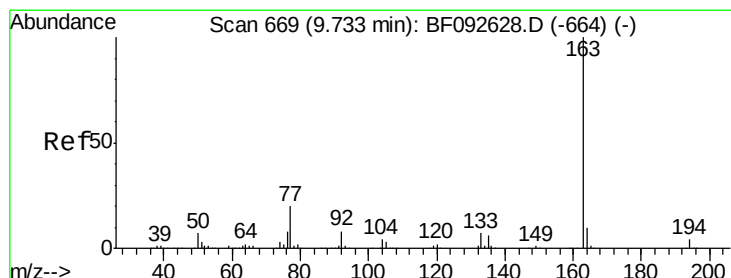
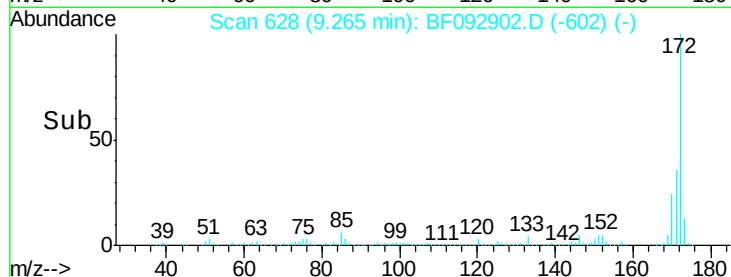
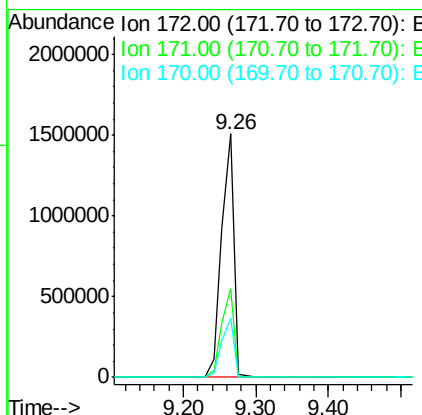
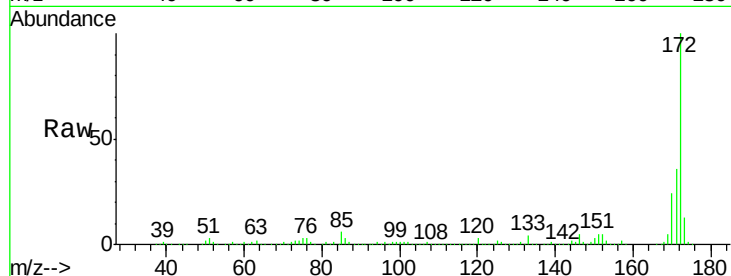




#44
 2-Fluorobiphenyl
 Concen: 74.26 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF092902.D
 Acq: 11 Feb 2017 00:02

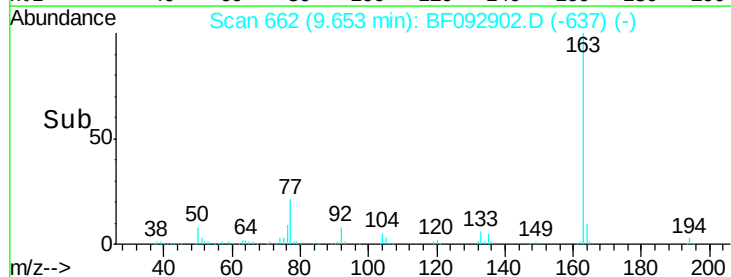
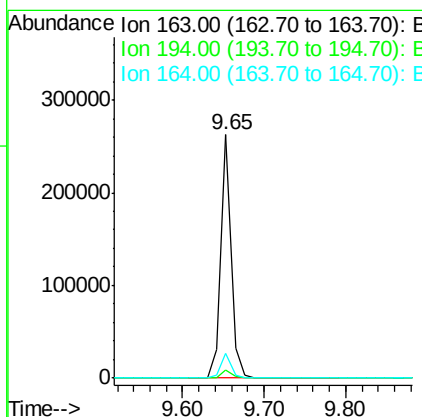
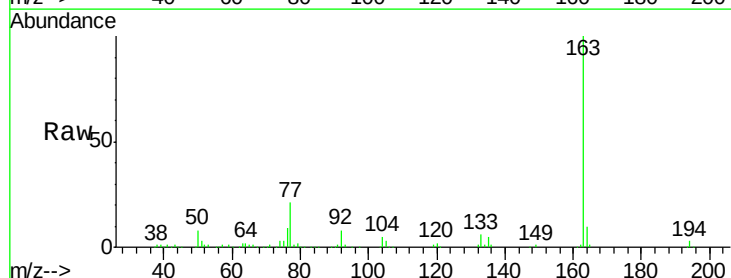
Instrument :
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 38-SB-102-0-2

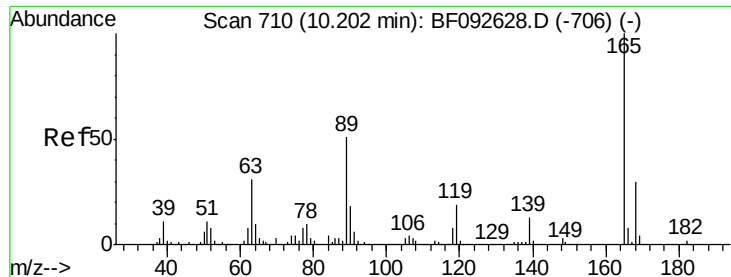
Tgt Ion:172 Resp: 1786044
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.2 20.2 30.4



#49
 Dimethylphthalate
 Concen: 7.81 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF092902.D
 Acq: 11 Feb 2017 00:02

Tgt Ion:163 Resp: 229242
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 10.0 8.0 12.0

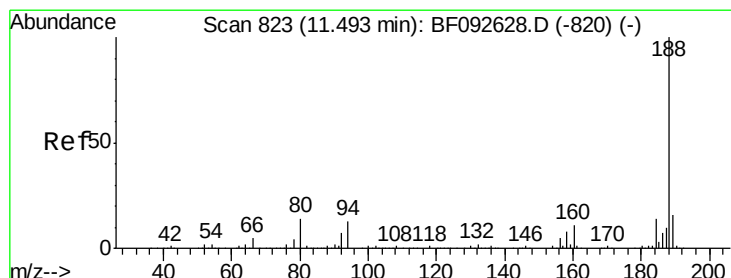
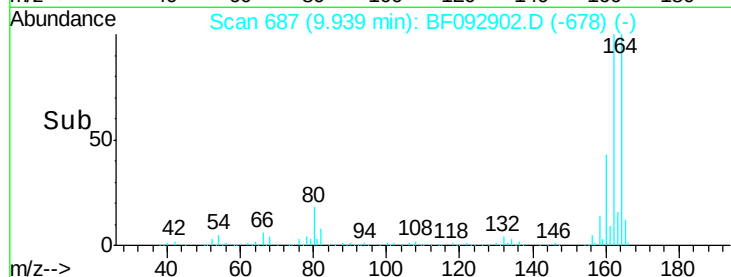
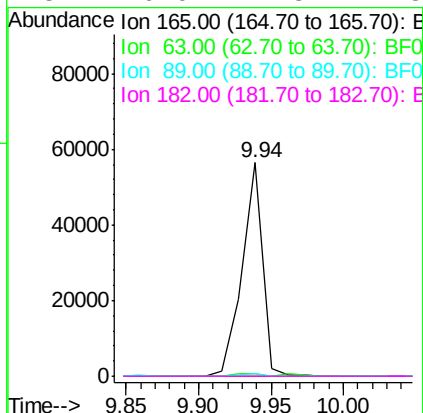
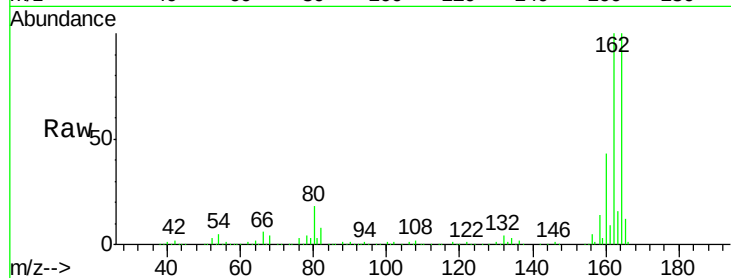




#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.19 min
 Lab File: BF092902.D
 Acq: 11 Feb 2017 00:02

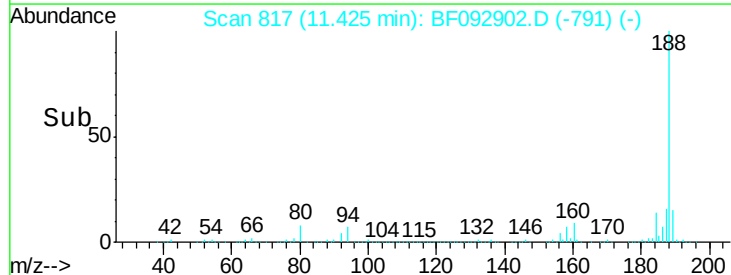
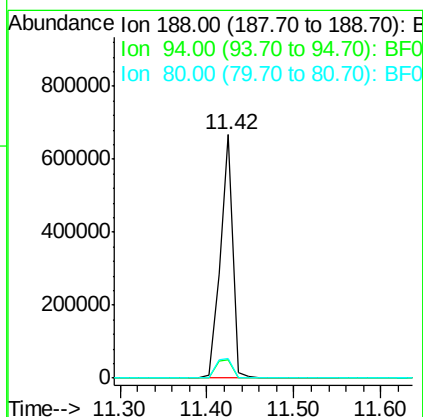
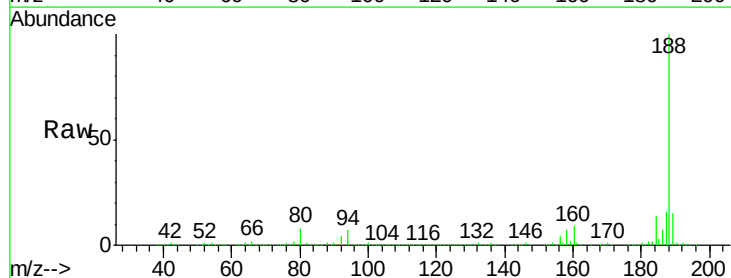
Instrument :
 BNA_F
 ClientSampleId :
 38-SB-102-0-2

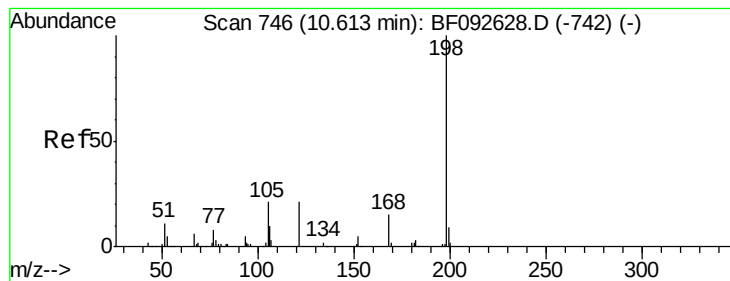
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF092902.D
 Acq: 11 Feb 2017 00:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	8.0	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.83 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.18 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

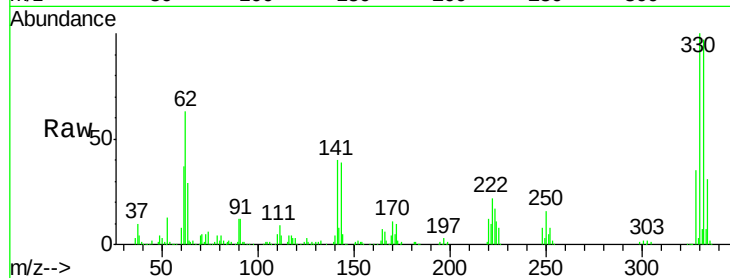
Tgt Ion:198 Resp: 684

Ion Ratio Lower Upper

198 100

51 266.3 6.7 46.7#

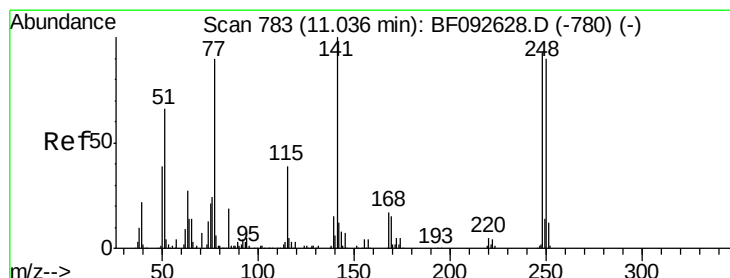
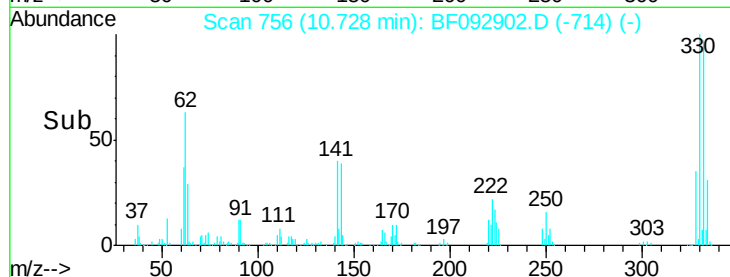
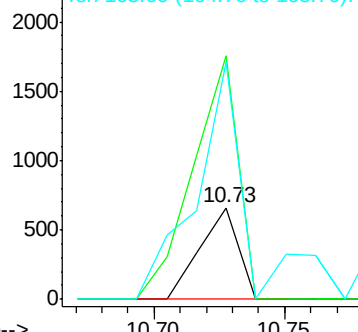
105 259.5 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.11 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.24 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

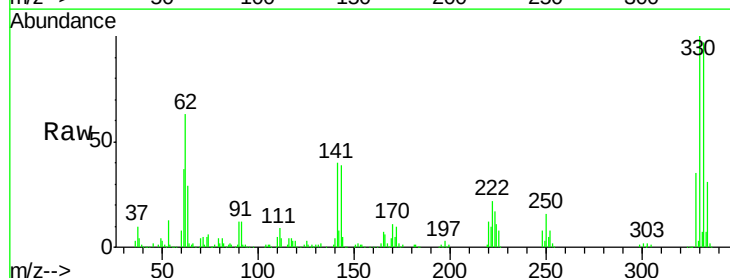
Tgt Ion:248 Resp: 22031

Ion Ratio Lower Upper

248 100

250 205.7 76.9 115.3#

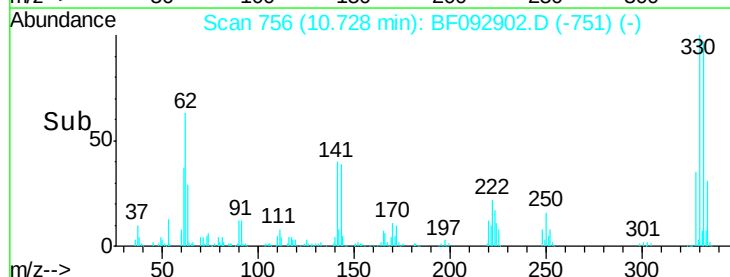
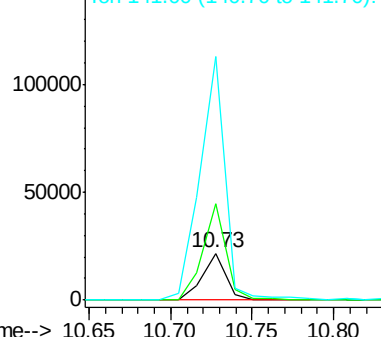
141 518.6 68.2 102.4#

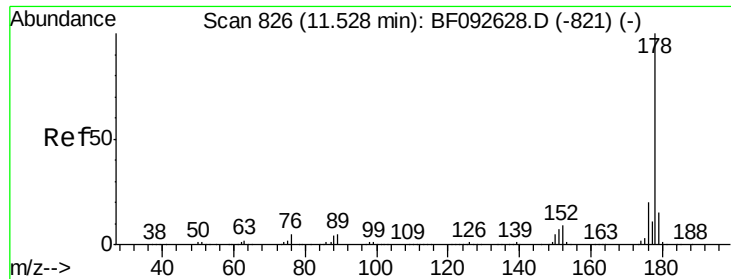


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.62 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

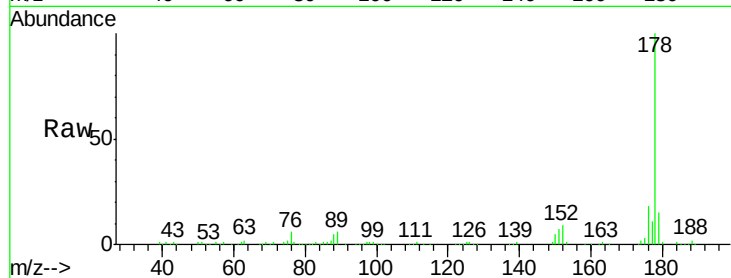
Tgt Ion:178 Resp: 179345

Ion Ratio Lower Upper

178 100

176 18.3 16.6 25.0

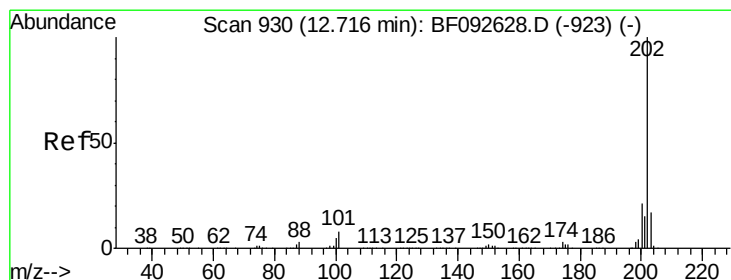
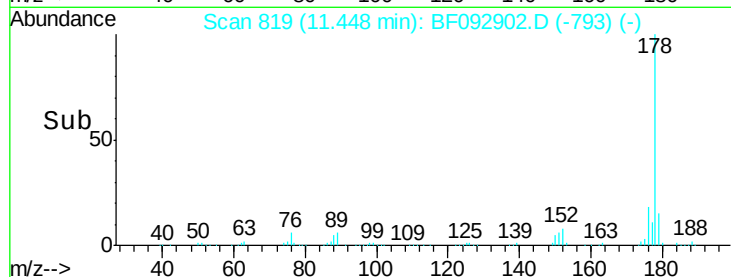
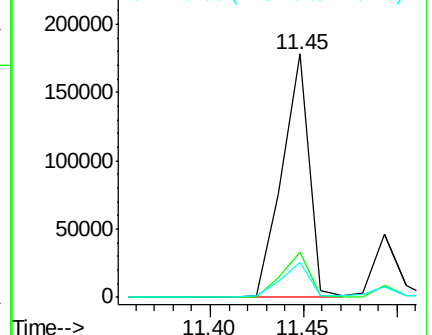
179 14.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.93 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

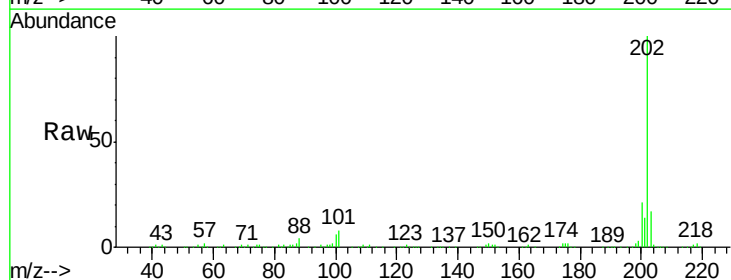
Tgt Ion:202 Resp: 277534

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.6

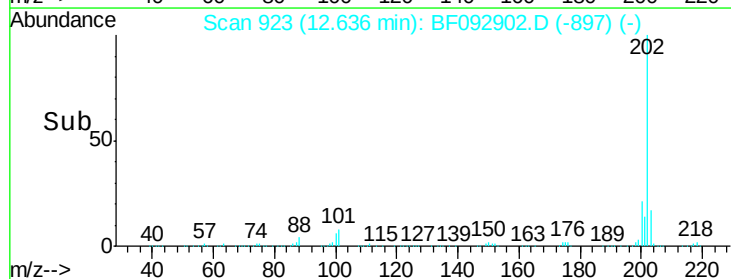
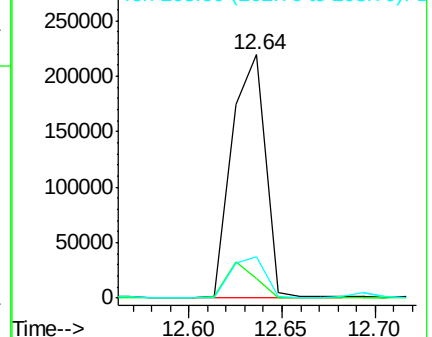
203 16.9 0.0 38.7

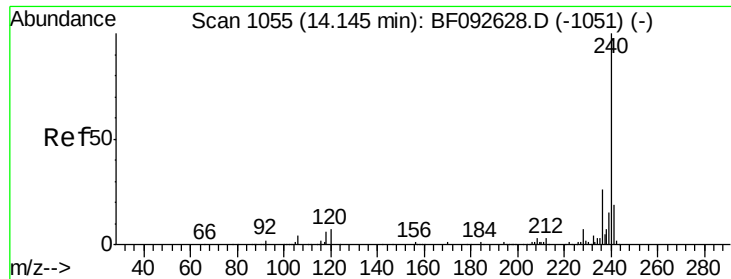


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

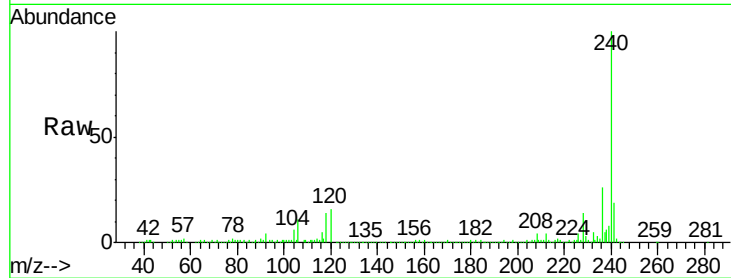
Tgt Ion:240 Resp: 448049

Ion Ratio Lower Upper

240 100

120 15.8 12.9 19.3

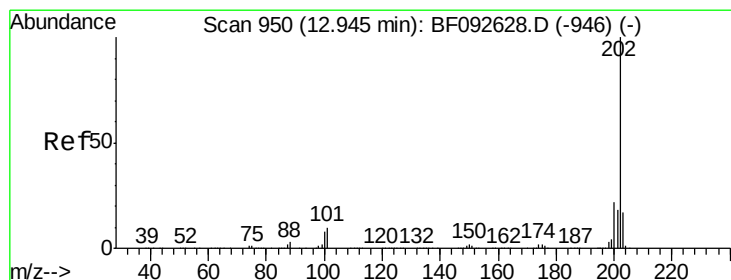
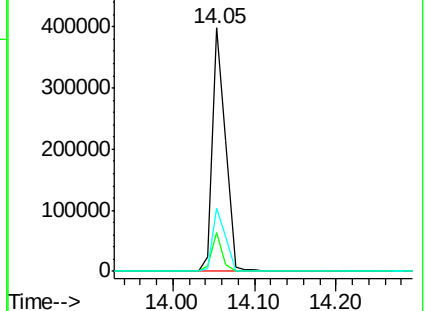
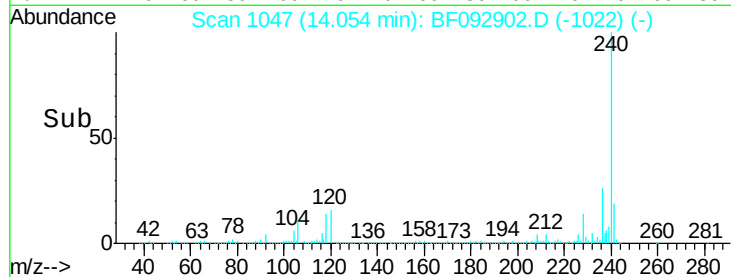
236 26.1 20.9 31.3



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: 7.42 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

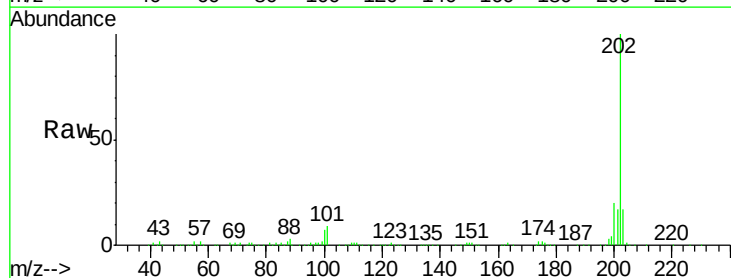
Tgt Ion:202 Resp: 248783

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

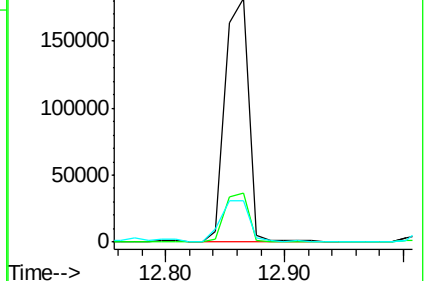
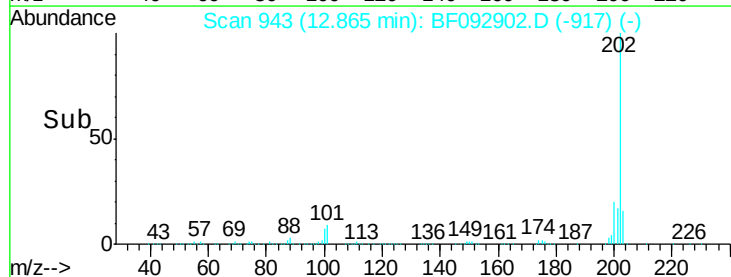
203 16.9 14.7 22.1

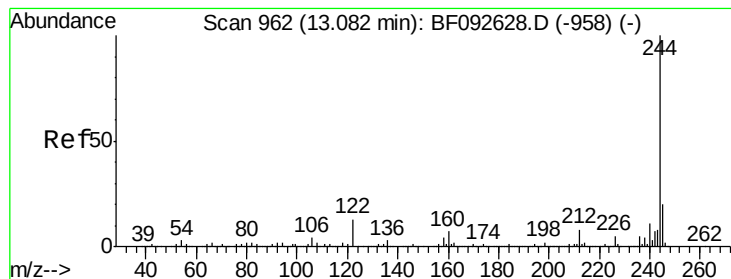


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.66 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

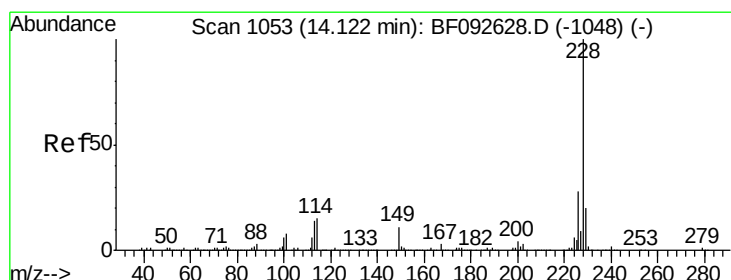
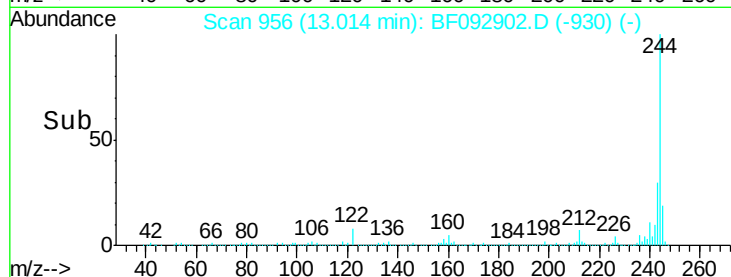
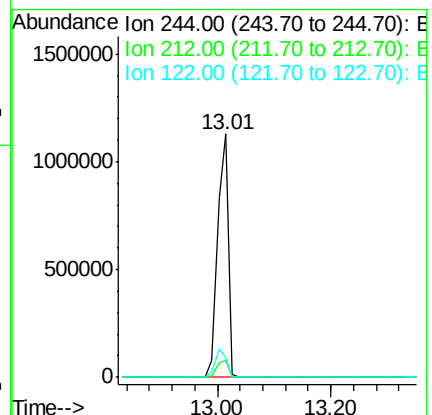
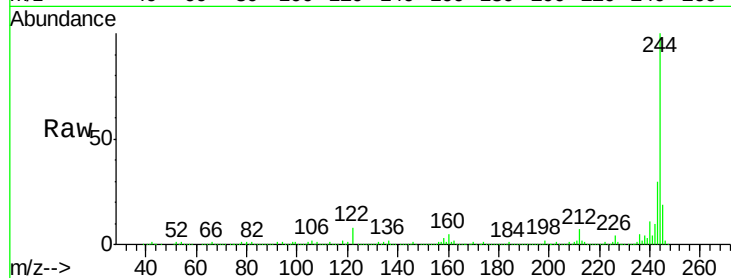
Tgt Ion:244 Resp: 1423727

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 7.9 11.4 17.2#



#80

Benzo(a)anthracene

Concen: 4.25 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

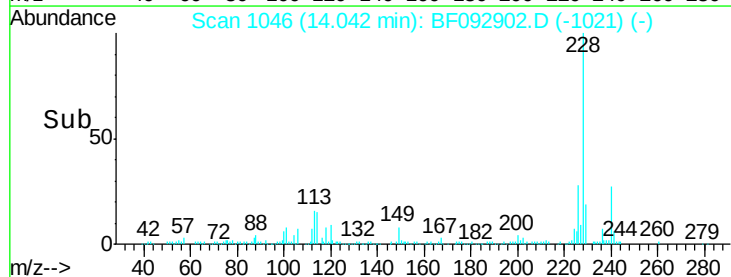
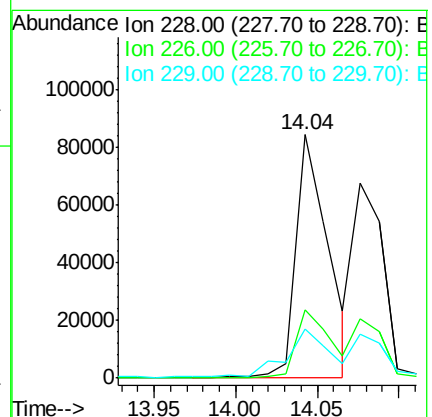
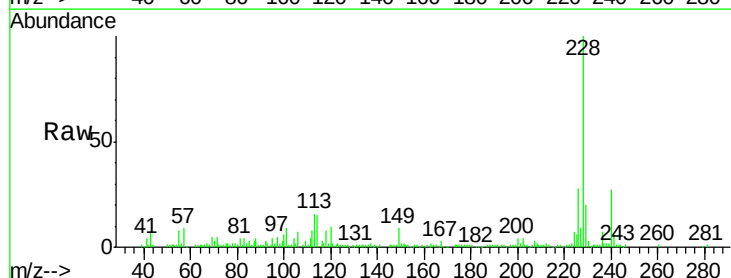
Tgt Ion:228 Resp: 116532

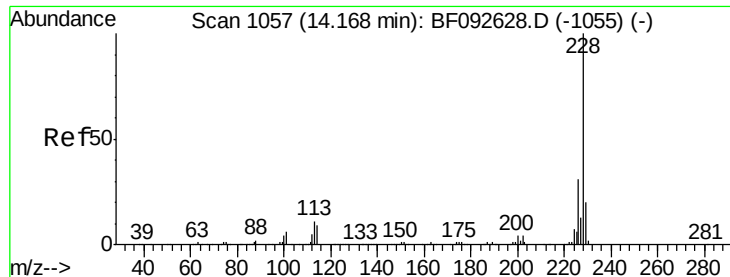
Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 20.4 16.2 24.4





#82

Chrysene

Concen: 4.54 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.05 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

Instrument :

BNA_F

ClientSampleId :

38-SB-102-0-2

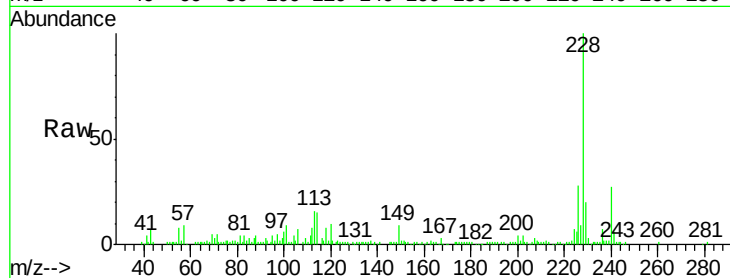
Tgt Ion:228 Resp: 116532

Ion Ratio Lower Upper

228 100

226 27.9 25.4 38.0

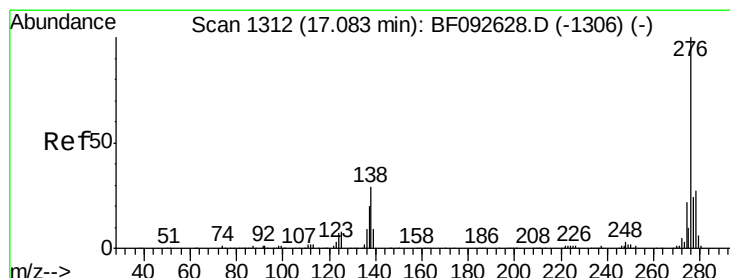
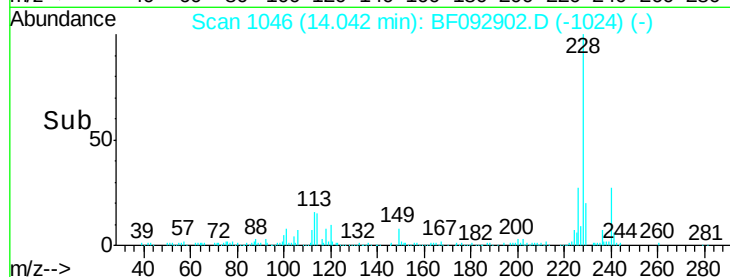
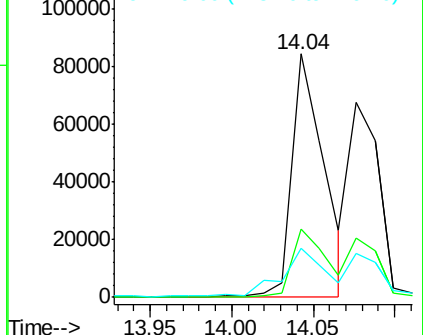
229 20.4 16.2 24.2



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: 2.55 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF092902.D

Acq: 11 Feb 2017 00:02

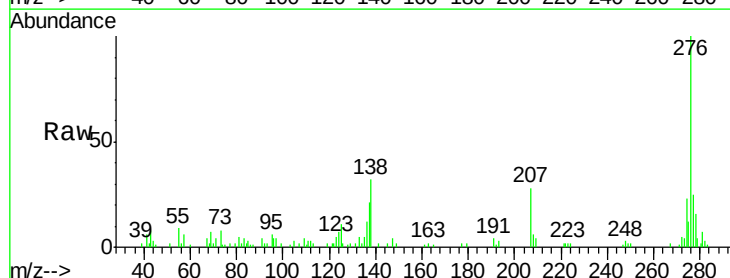
Tgt Ion:276 Resp: 50644

Ion Ratio Lower Upper

276 100

138 26.5 21.8 32.6

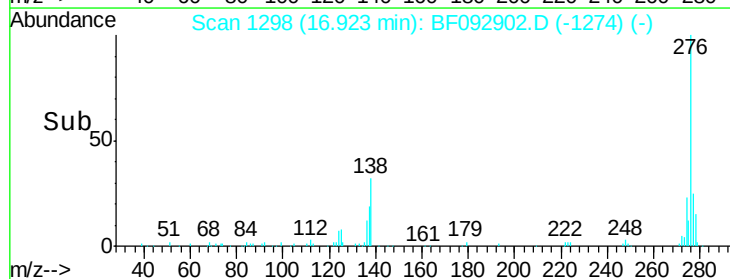
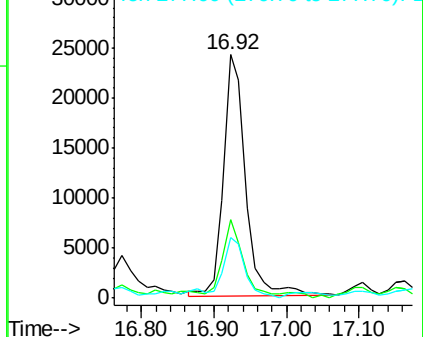
277 27.6 20.2 30.4

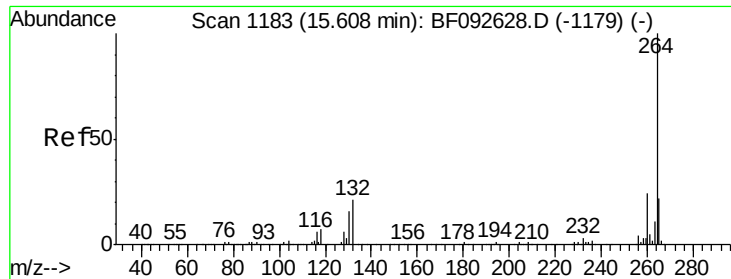


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

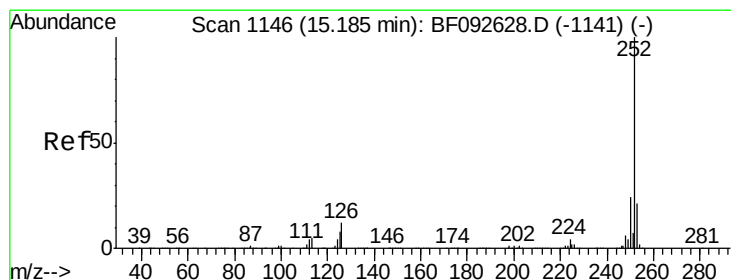
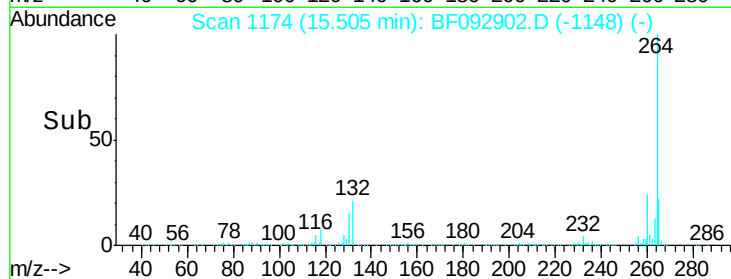
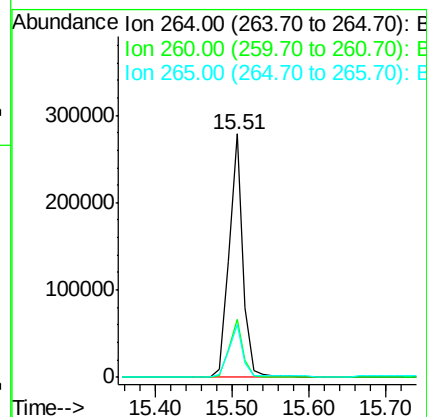
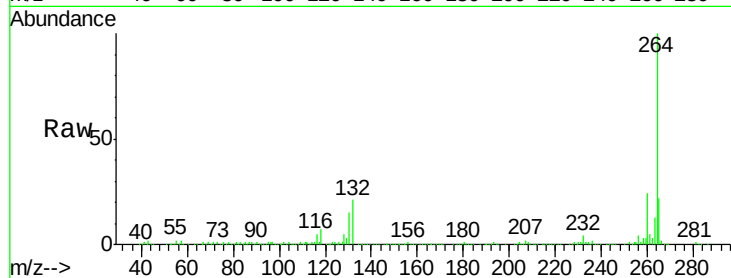




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

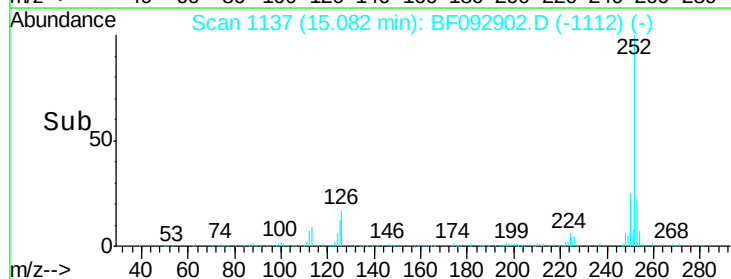
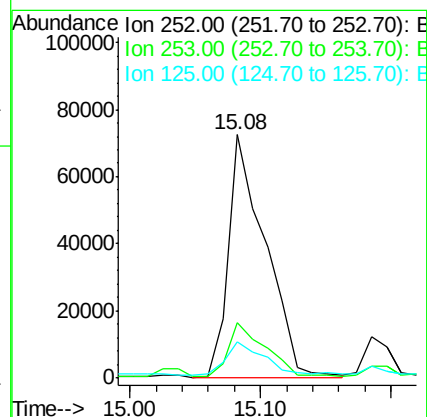
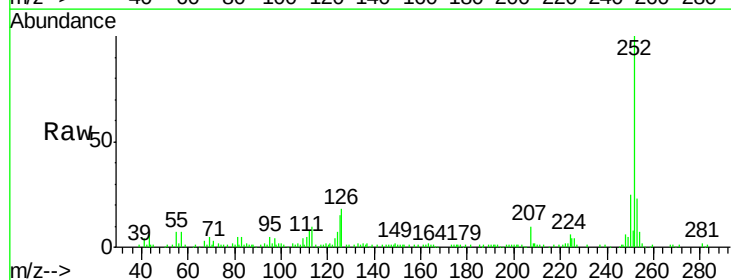
Instrument :
BNA_F
ClientSampleId :
38-SB-102-0-2

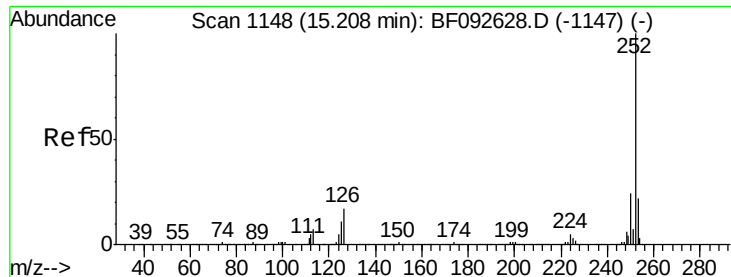
Tgt Ion: 264 Resp: 357340
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 6.11 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Tgt Ion: 252 Resp: 143659
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 14.7 9.8 14.6#

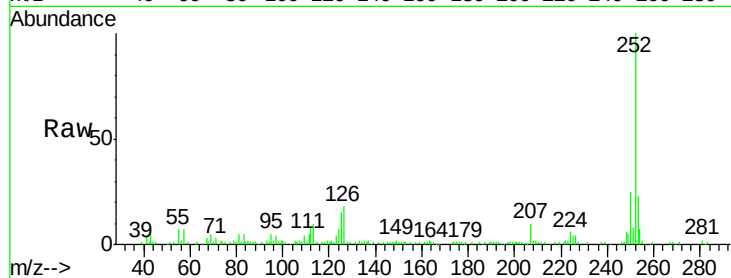




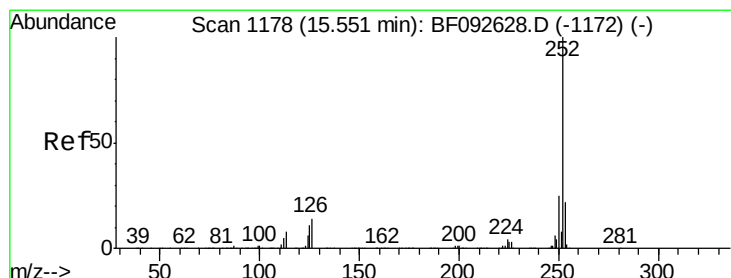
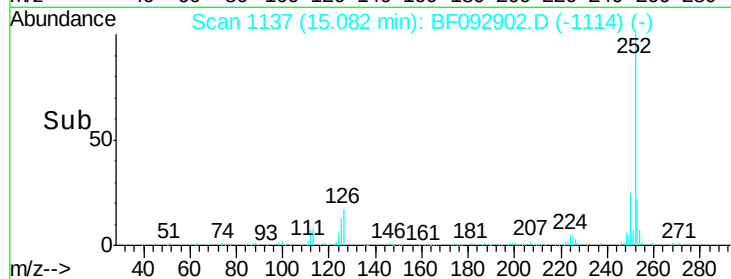
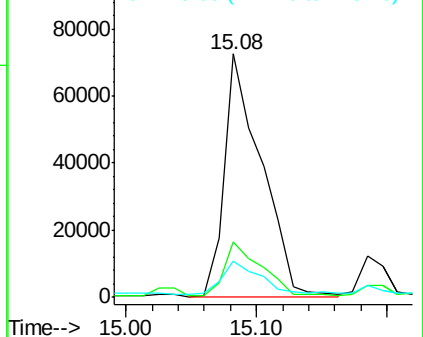
#88
Benzo(k)fluoranthene
Concen: 7.07 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Instrument :
BNA_F
ClientSampleId :
38-SB-102-0-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	14.7	8.9	13.3#

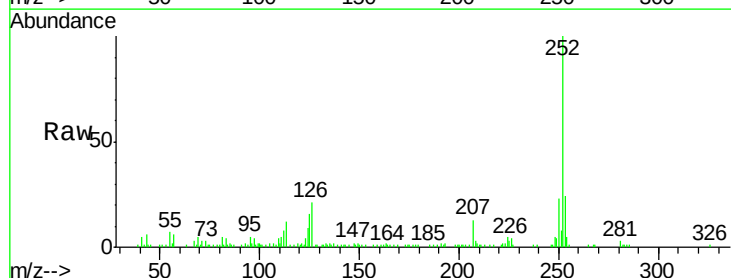


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

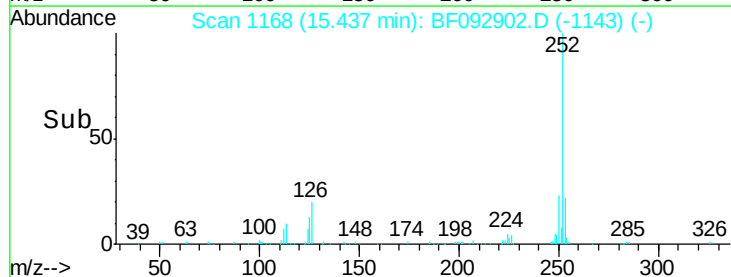
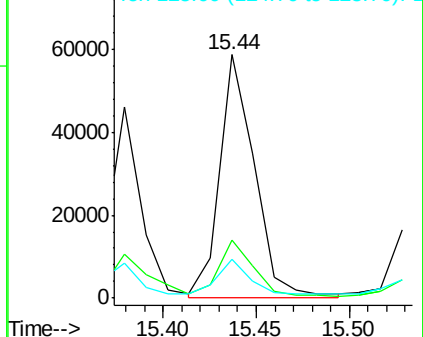


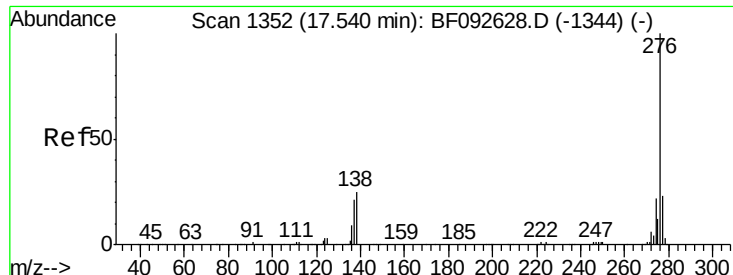
#89
Benzo(a)pyrene
Concen: 3.76 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF092902.D
Acq: 11 Feb 2017 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	15.9	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: 3.15 ng
 RT: 17.36 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF092902.D
 Acq: 11 Feb 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :
 38-SB-102-0-2

Tgt Ion:	276	Resp:	52358
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.2	28.8
138	29.3	16.0	24.0

