

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092527.D
 Acq On : 26 Jan 2017 15:55
 Operator : SJ/MA
 Sample : I1312-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Quant Time: Jan 27 00:03:24 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

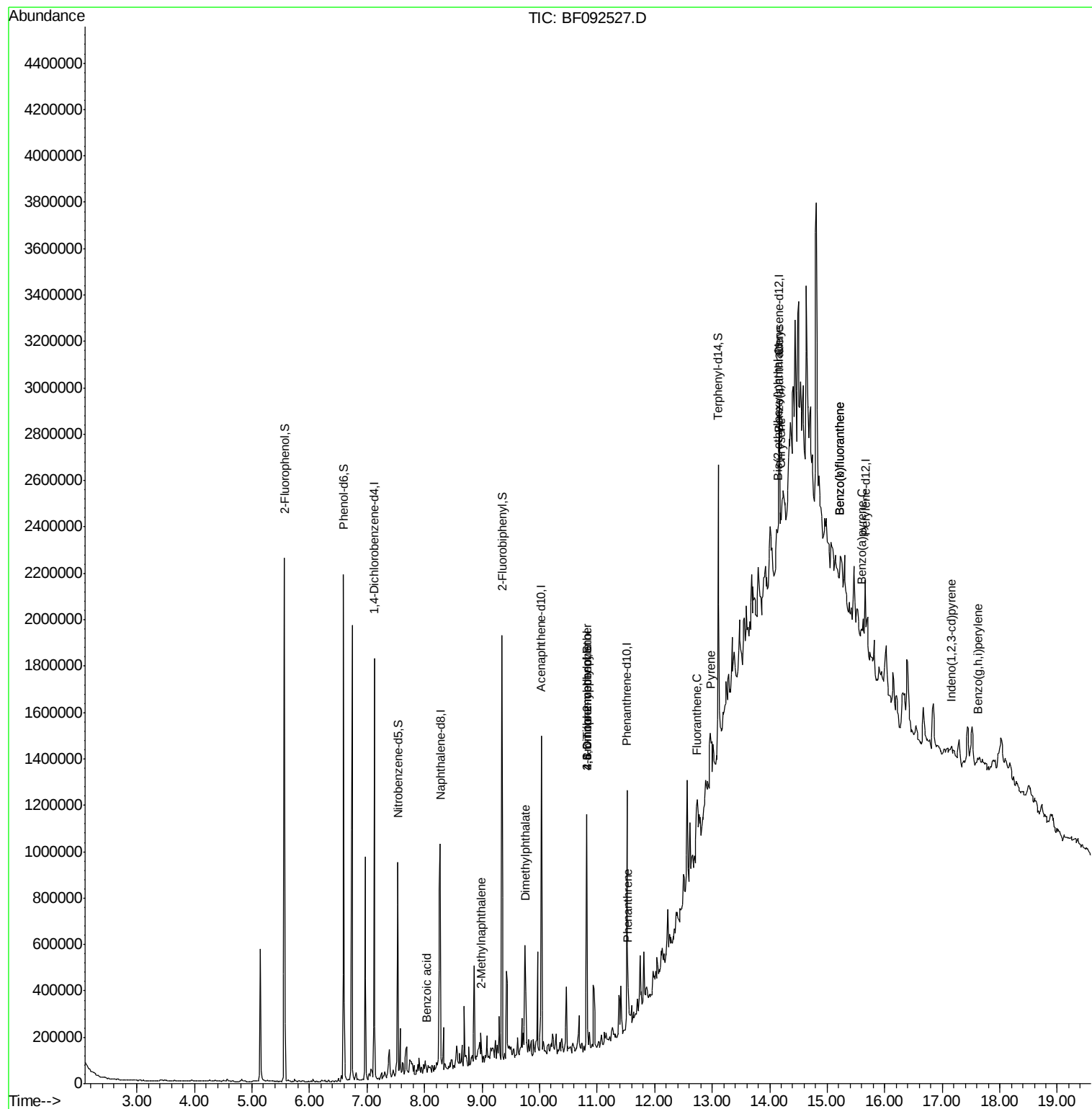
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	242229	20.00	ng	0.16
21) Naphthalene-d8	8.27	136	577777	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	267121	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	393181	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	255112	20.00	ng	0.00
86) Perylene-d12	15.67	264	184698	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	561817	36.09	ng	0.01
7) Phenol-d6	6.59	99	680558	34.32	ng	0.00
23) Nitrobenzene-d5	7.54	82	392295	37.09	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	100047	54.96	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	620339	42.94	ng	-0.01
78) Terphenyl-d14	13.11	244	441595	46.09	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	8.03	122	1442	4.87	ng	# 1
37) 2-Methylnaphthalene	8.98	142	40229	2.15	ng	99
49) Dimethylphthalate	9.74	163	120592	7.10	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.82	198	276	5.07	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	8546	2.15	ng	# 1
70) Phenanthrene	11.54	178	63215	2.92	ng	98
74) Fluoranthene	12.74	202	128294	6.06	ng	93
77) Pyrene	12.97	202	122794	6.64	ng	97
80) Benzo(a)anthracene	14.16	228	43328	3.16	ng	# 88
82) Chrysene	14.19	228	56407	3.85	ng	# 93
83) Bis(2-ethylhexyl)phthalate	14.15	149	23955	2.54	ng	# 85
85) Indeno(1,2,3-cd)pyrene	17.16	276	26578	2.45	ng	95
87) Benzo(b)fluoranthene	15.22	252	77896	6.57	ng	# 39
88) Benzo(k)fluoranthene	15.22	252	77896	7.90	ng	# 40
89) Benzo(a)pyrene	15.60	252	29782	2.97	ng	# 22
91) Benzo(g,h,i)perylene	17.62	276	25551	3.11	ng	# 62

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092527.D
Acq On : 26 Jan 2017 15:55
Operator : SJ/MA
Sample : I1312-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Quant Time: Jan 27 00:03:24 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration



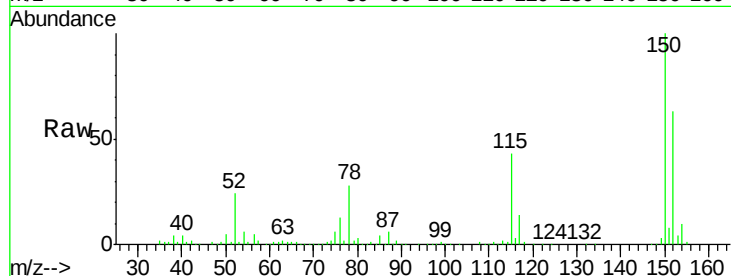


#1

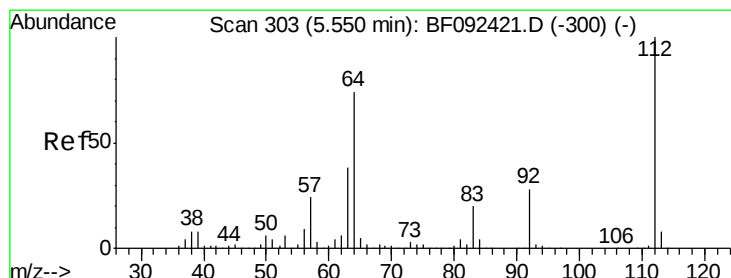
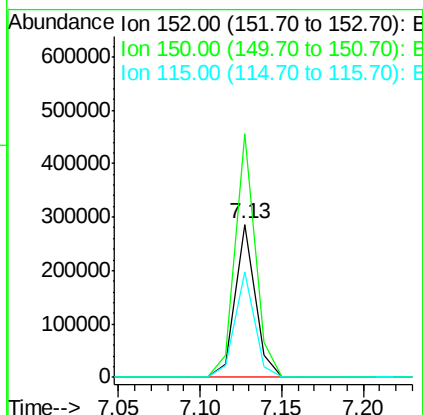
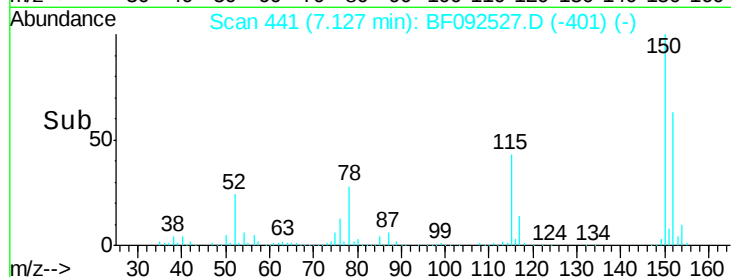
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 441
Delta R.T. 0.16 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tgt Ion:152 Resp: 242229
Ion Ratio Lower Upper
152 100
150 159.0 124.9 187.3
115 68.7 46.0 69.0



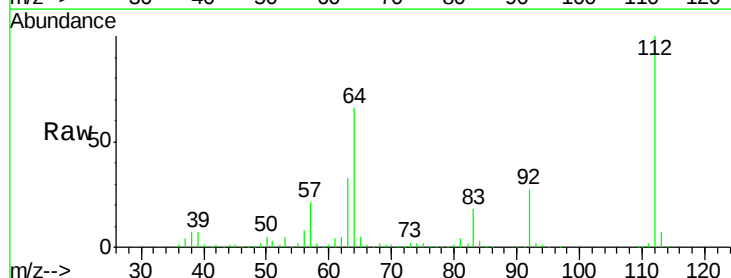
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



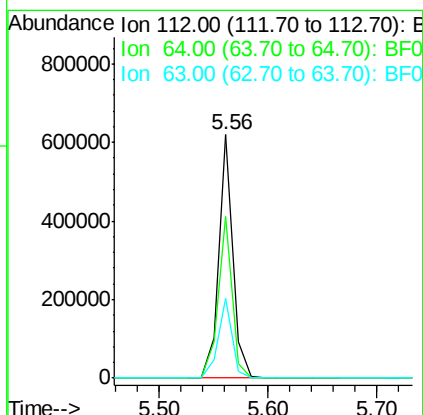
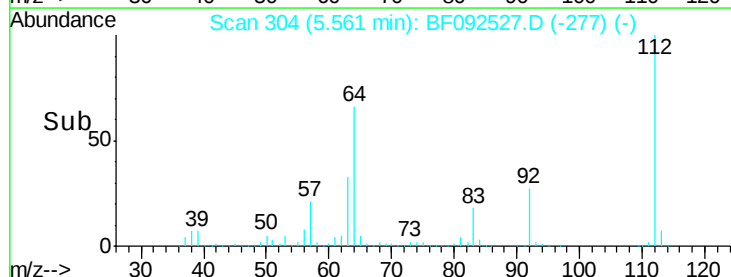
#5

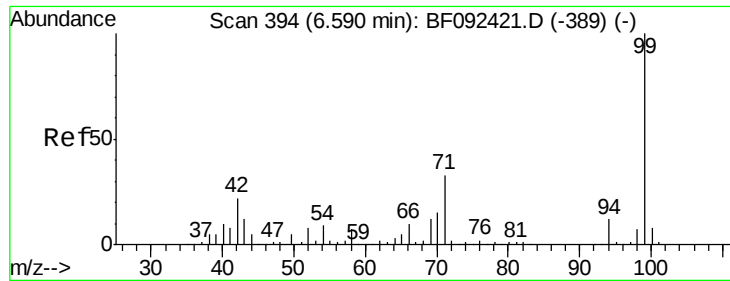
2-Fluorophenol
Concen: 36.09 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion:112 Resp: 561817
Ion Ratio Lower Upper
112 100
64 66.4 46.1 69.1
63 33.0 23.8 35.6



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





#7

Phenol-d6

Concen: 34.32 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

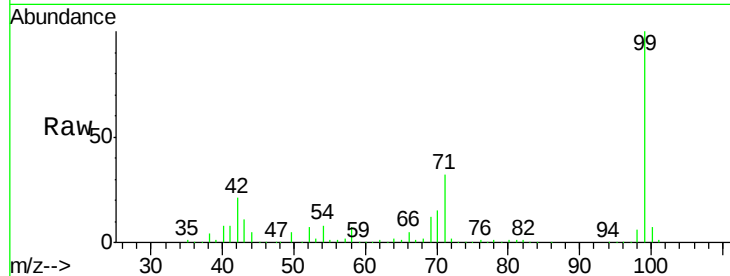
Tgt Ion: 99 Resp: 680558

Ion Ratio Lower Upper

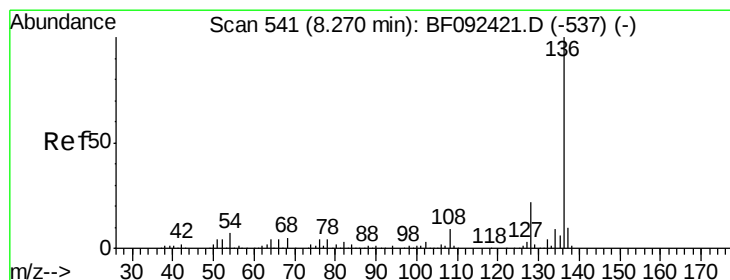
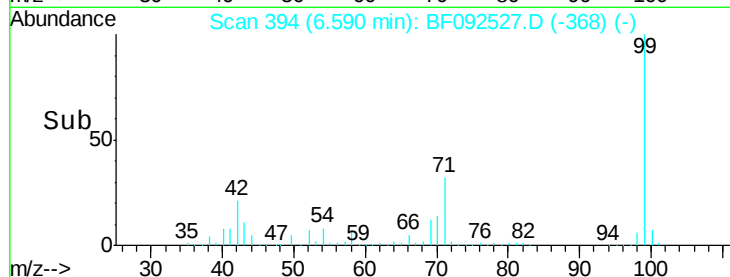
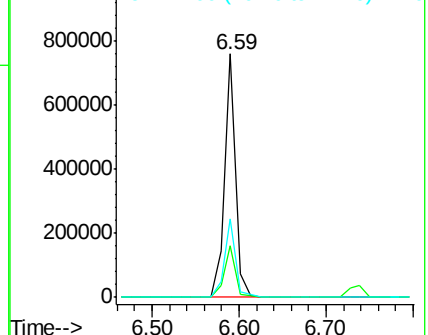
99 100

42 21.2 15.6 23.4

71 32.4 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Tgt Ion: 136 Resp: 577777

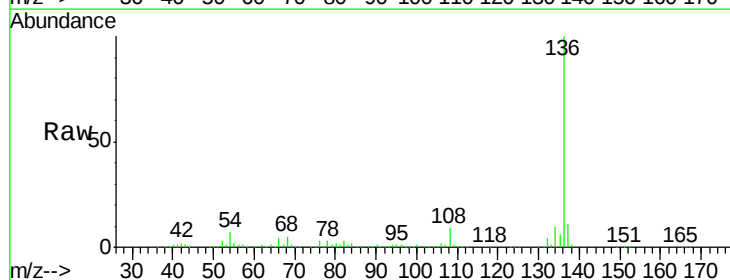
Ion Ratio Lower Upper

136 100

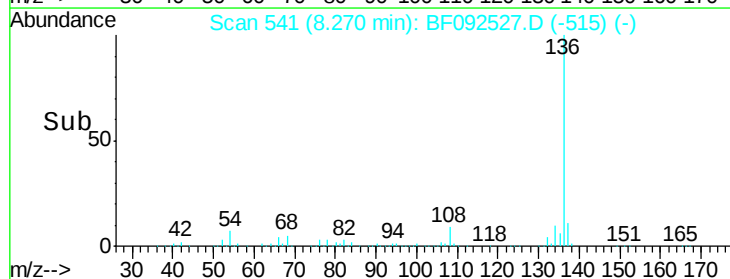
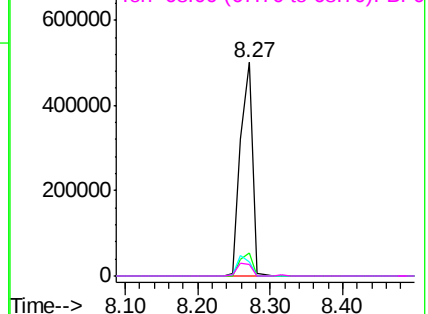
137 10.8 8.4 12.6

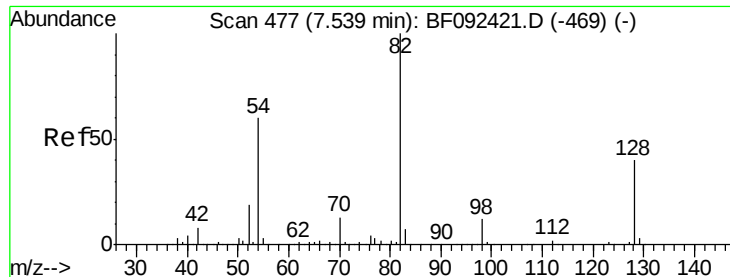
54 6.9 4.5 6.7#

68 5.5 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

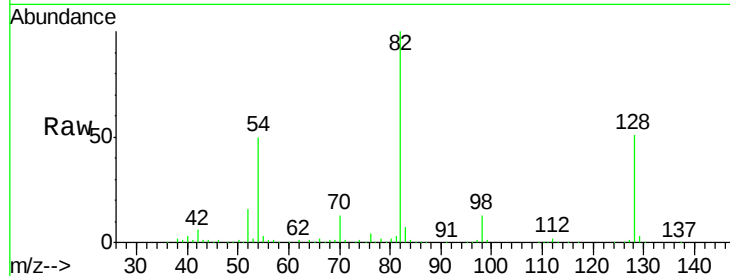




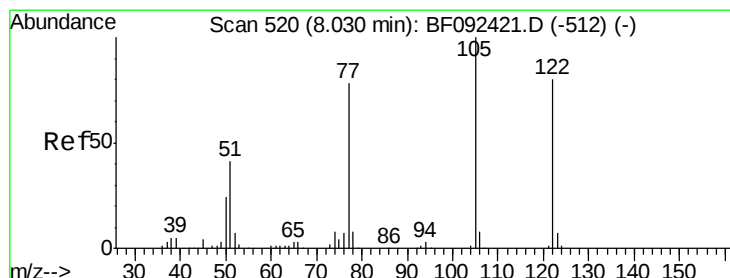
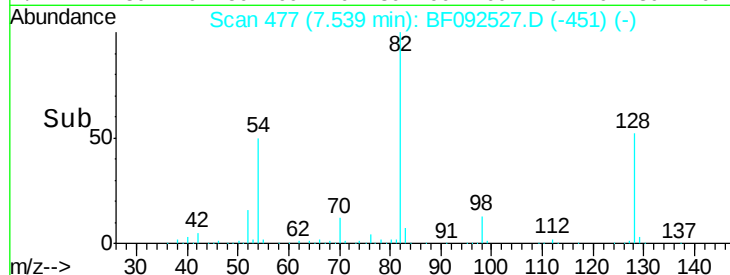
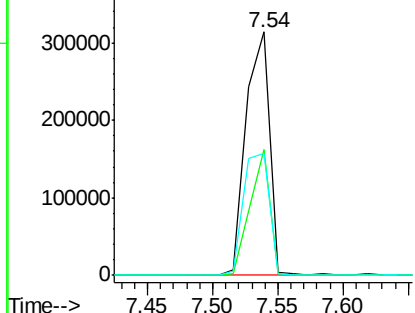
#23
 Nitrobenzene-d5
 Concen: 37.09 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.5	34.6	52.0
54	49.9	39.5	59.3

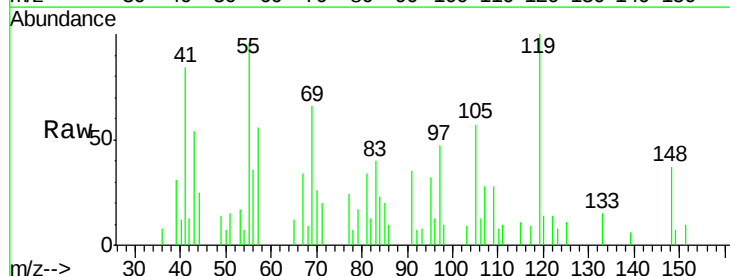


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

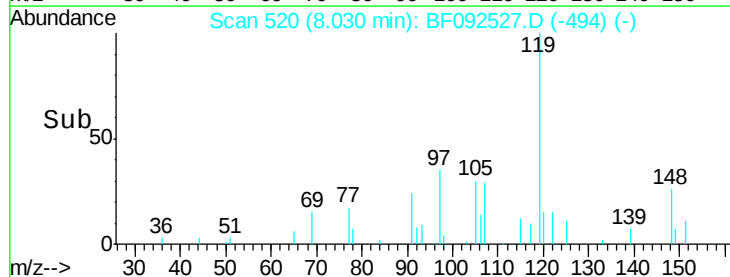
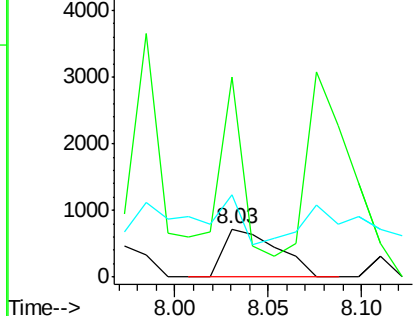


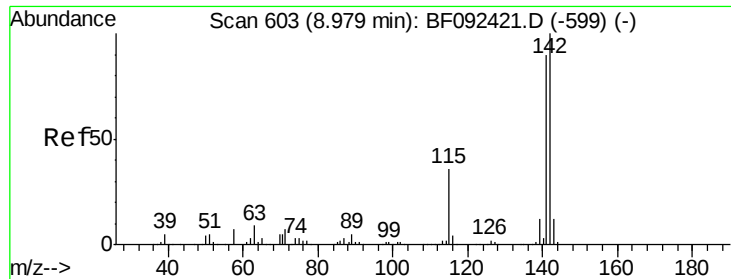
#32
 Benzoic acid
 Concen: 4.87 ng
 RT: 8.03 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Lower	Upper
122	100		
105	418.2	107.2	147.2#
77	173.6	74.5	114.5#



Abundance Ion 122.00 (121.70 to 122.70): BF0
 Ion 105.00 (104.70 to 105.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0

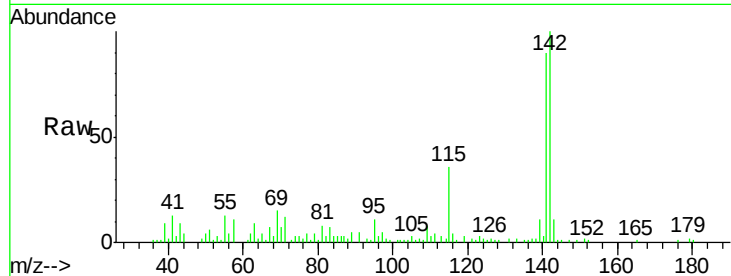




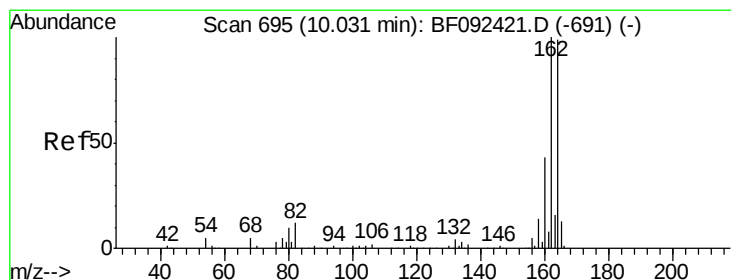
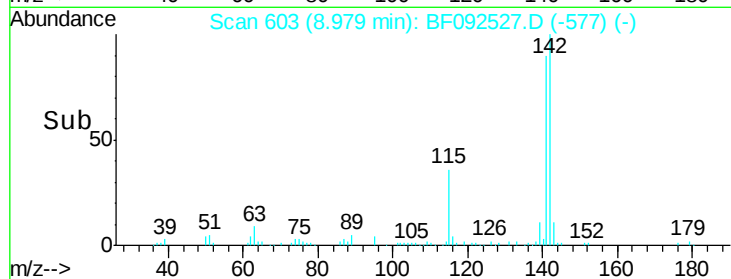
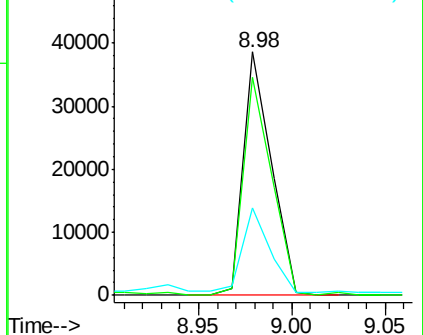
#37
 2-Methylnaphthalene
 Concen: 2.15 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Tgt Ion:142 Resp: 40229
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.0 106.6
 115 35.7 28.3 42.5

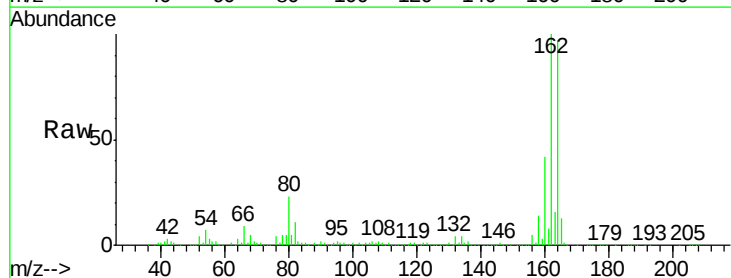


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

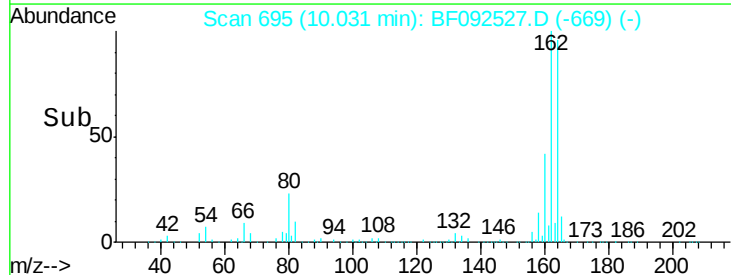
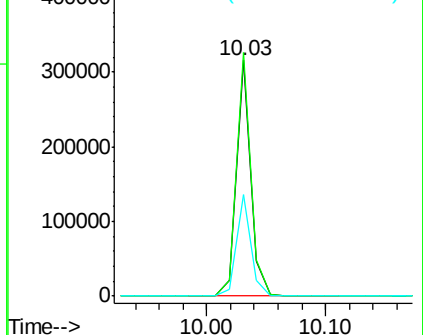


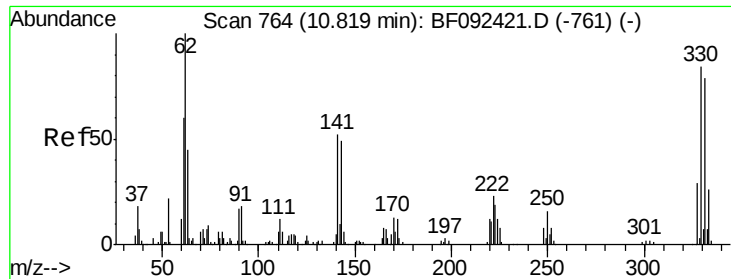
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Tgt Ion:164 Resp: 267121
 Ion Ratio Lower Upper
 164 100
 162 103.3 80.2 120.2
 160 43.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

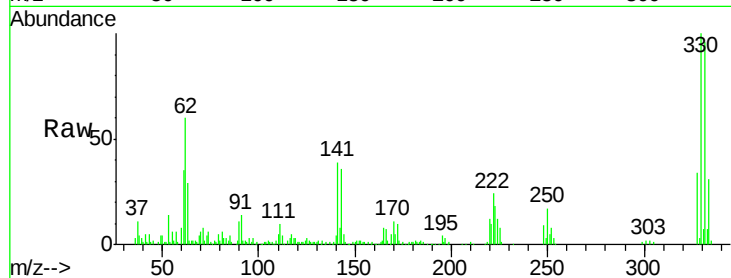




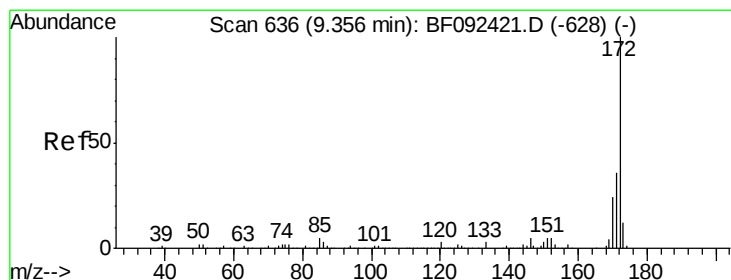
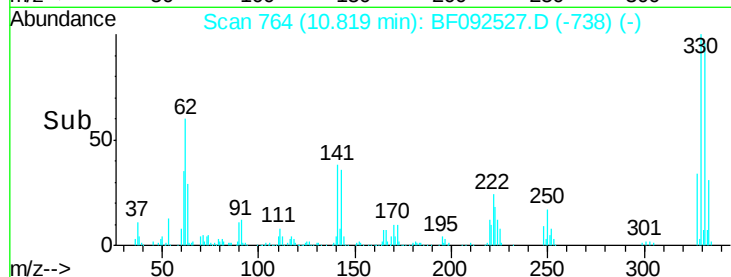
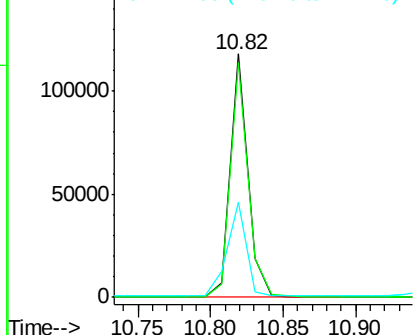
#41
 2,4,6-Tribromophenol
 Concen: 54.96 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Tgt Ion:330 Resp: 100047
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 43.3 34.1 51.1

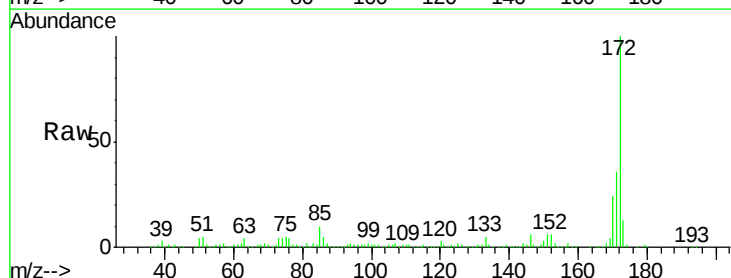


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

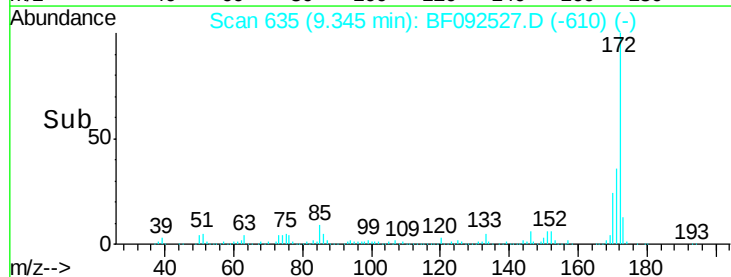
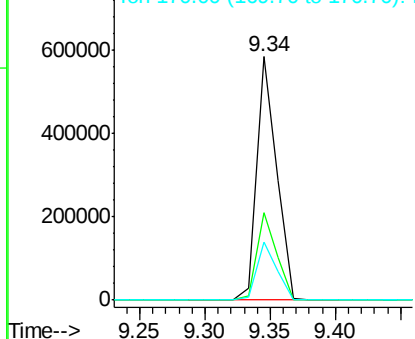


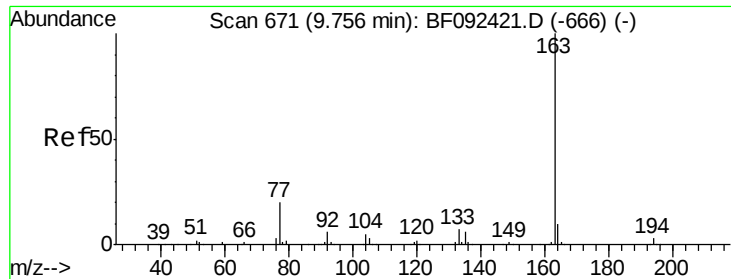
#44
 2-Fluorobiphenyl
 Concen: 42.94 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Tgt Ion:172 Resp: 620339
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

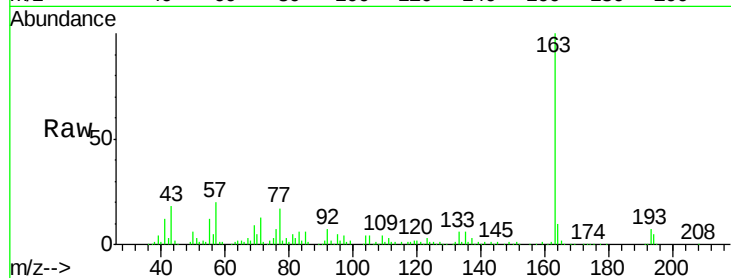




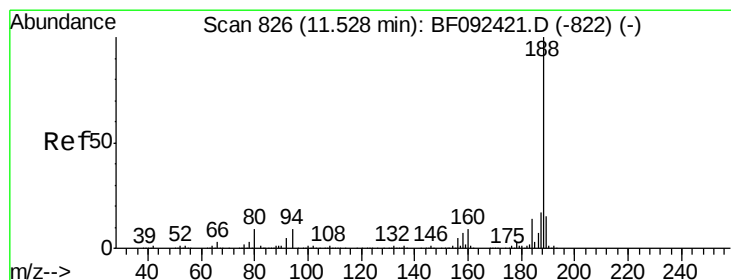
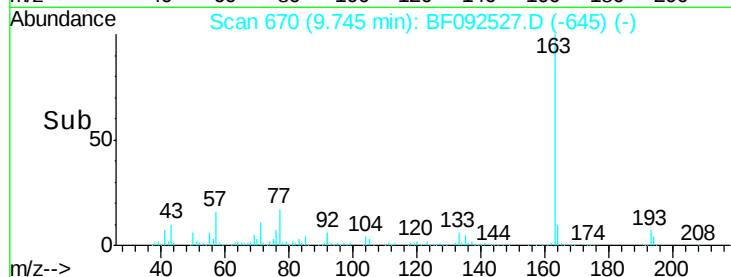
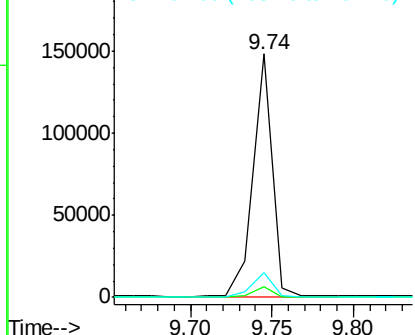
#49
Dimethylphthalate
Concen: 7.10 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tgt Ion:163 Resp: 120592
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.4#
164 10.2 8.0 12.0

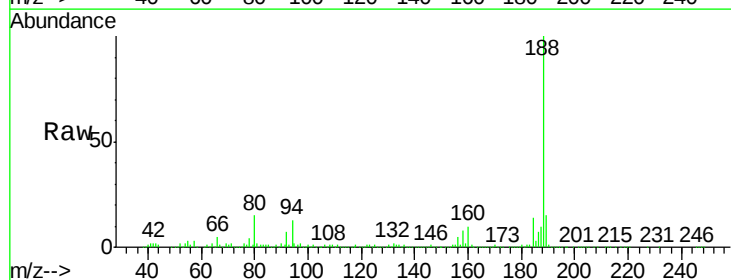


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

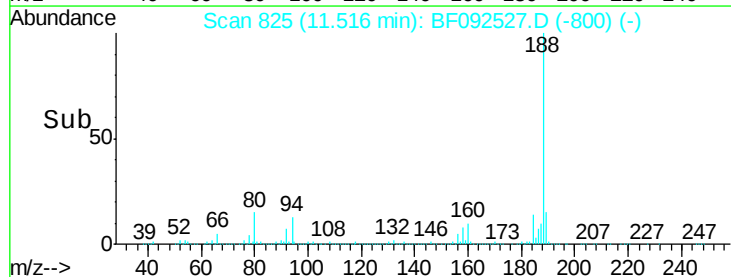
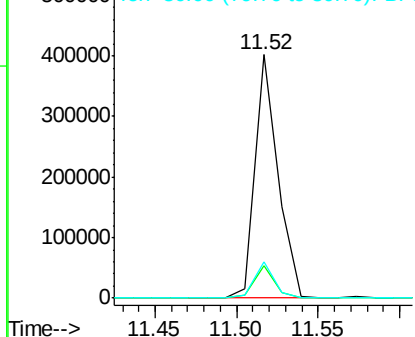


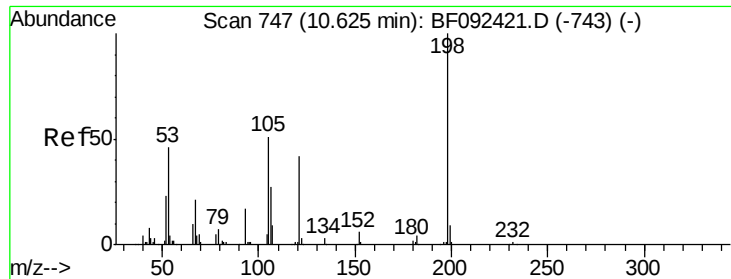
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion:188 Resp: 393181
Ion Ratio Lower Upper
188 100
94 13.5 10.0 15.0
80 14.9 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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.07 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

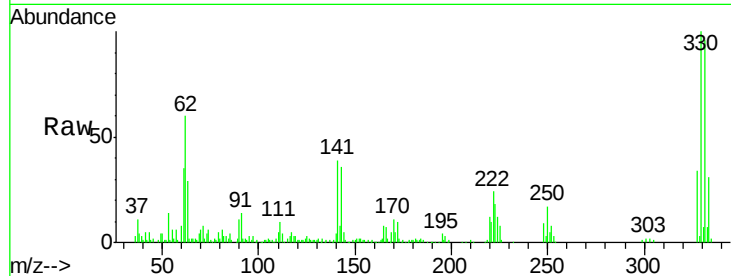
Tgt Ion:198 Resp: 276

Ion Ratio Lower Upper

198 100

51 269.2 6.7 46.7#

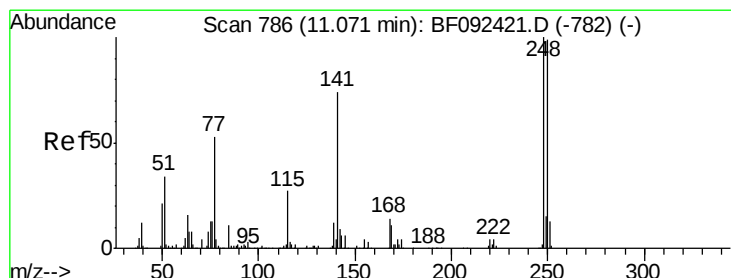
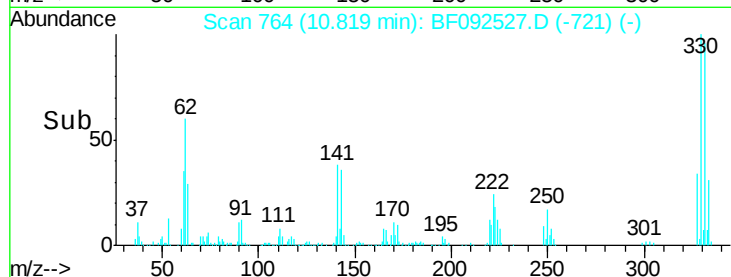
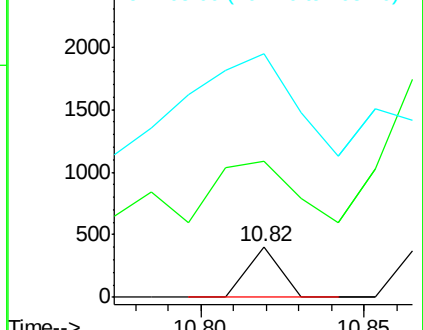
105 482.6 16.6 56.6#



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: 2.15 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

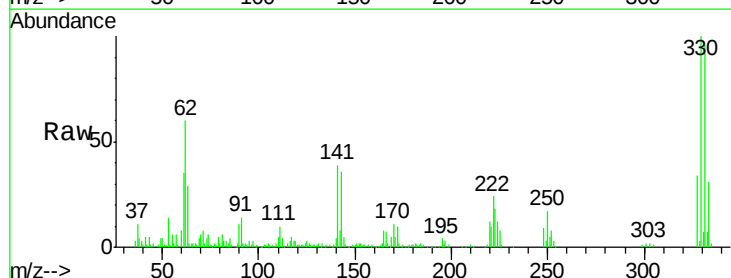
Tgt Ion:248 Resp: 8546

Ion Ratio Lower Upper

248 100

250 197.8 76.9 115.3#

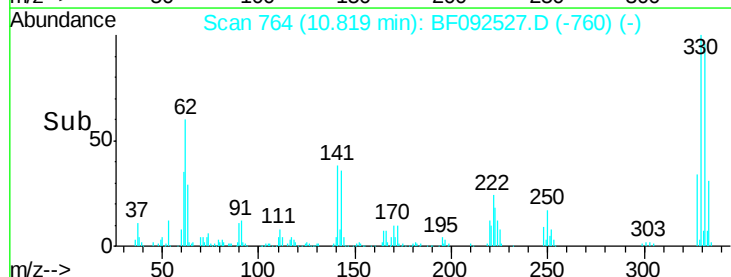
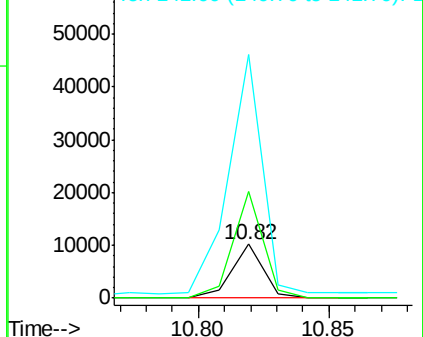
141 452.1 68.2 102.4#

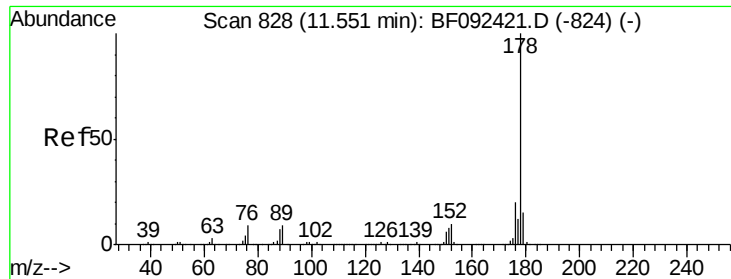


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

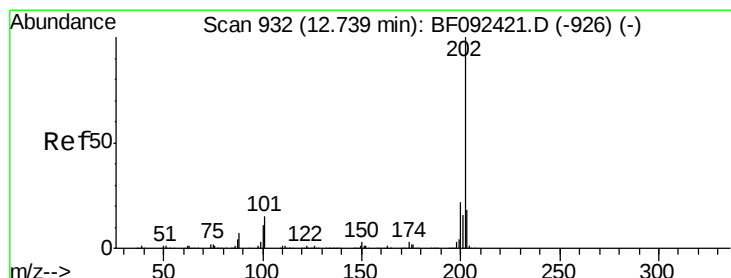
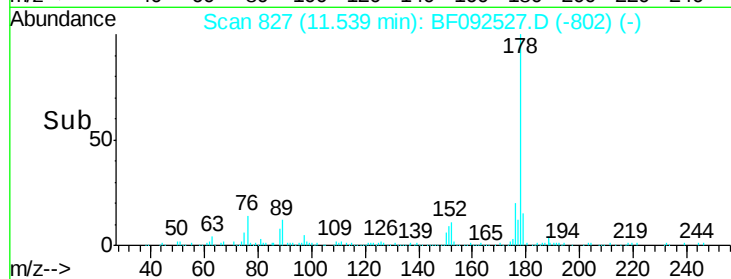
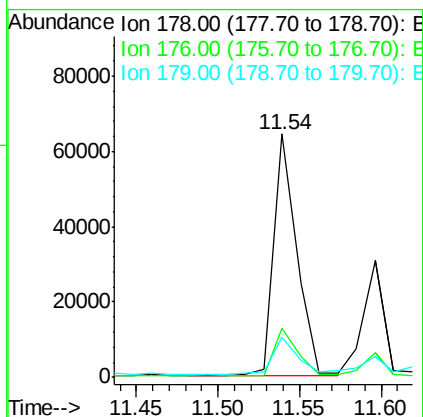
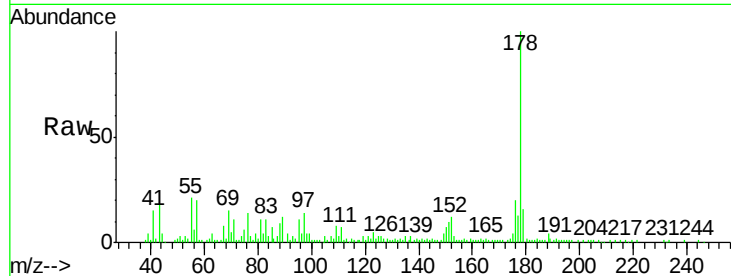




#70
Phenanthrene
Concen: 2.92 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

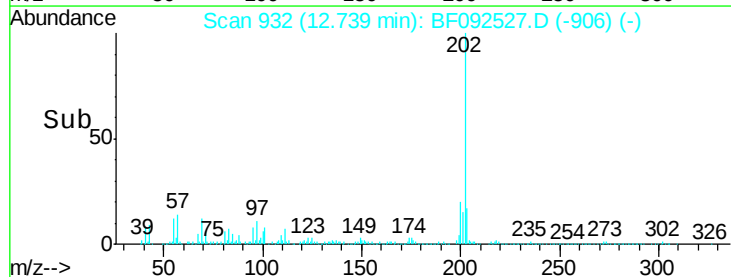
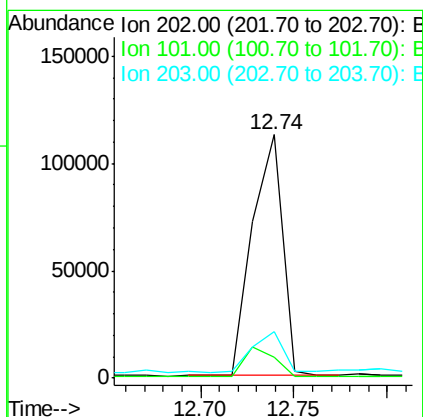
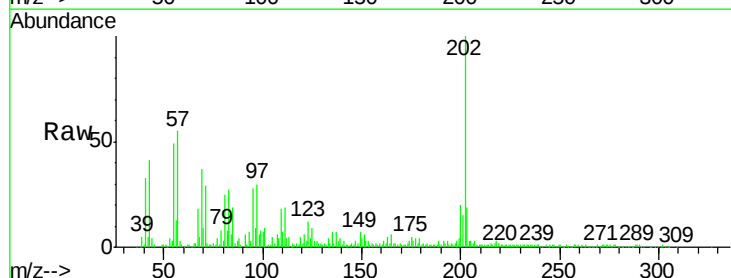
Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

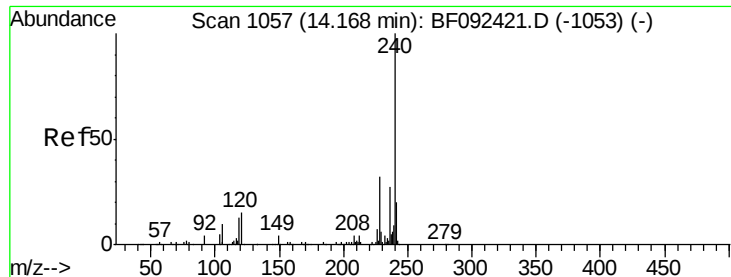
Tgt Ion:178 Resp: 63215
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 16.5 12.8 19.2



#74
Fluoranthene
Concen: 6.06 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion:202 Resp: 128294
Ion Ratio Lower Upper
202 100
101 8.8 0.0 34.6
203 19.0 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

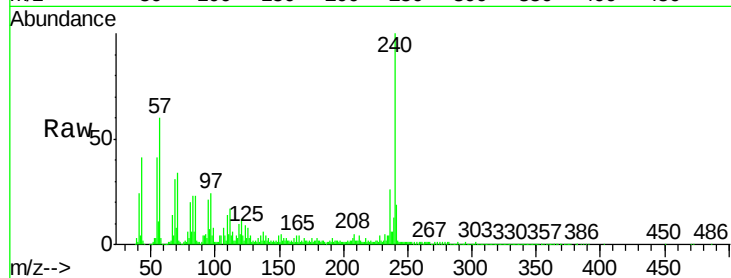
Tgt Ion:240 Resp: 255112

Ion Ratio Lower Upper

240 100

120 12.2 12.9 19.3#

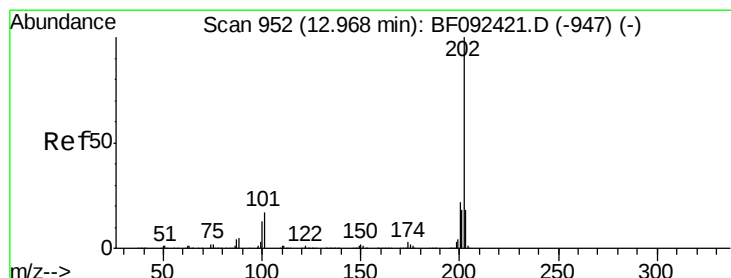
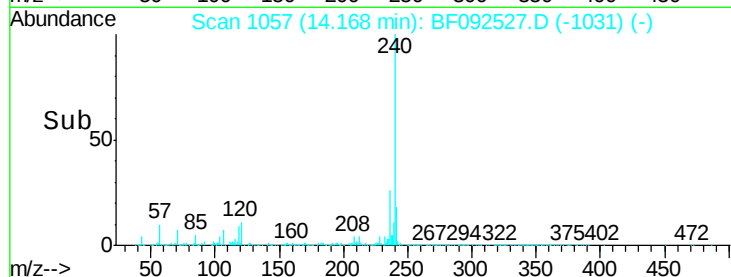
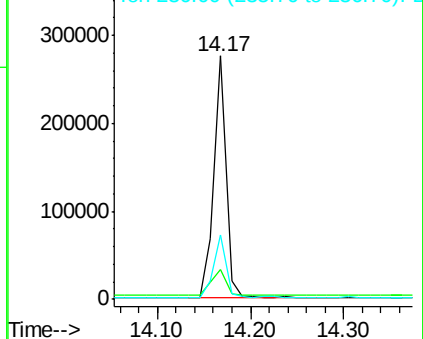
236 26.5 20.9 31.3



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: 6.64 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

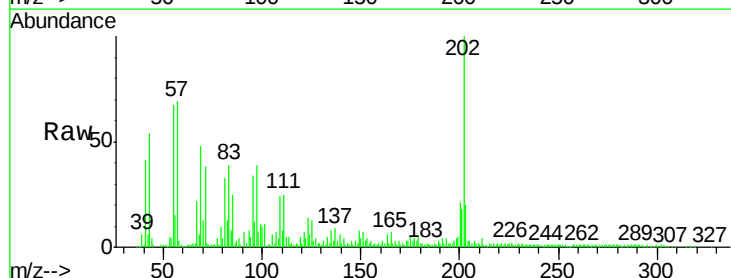
Tgt Ion:202 Resp: 122794

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

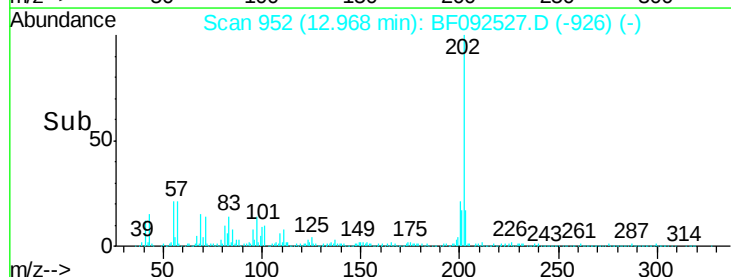
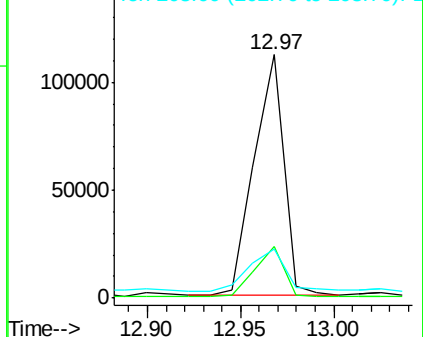
203 19.9 14.7 22.1

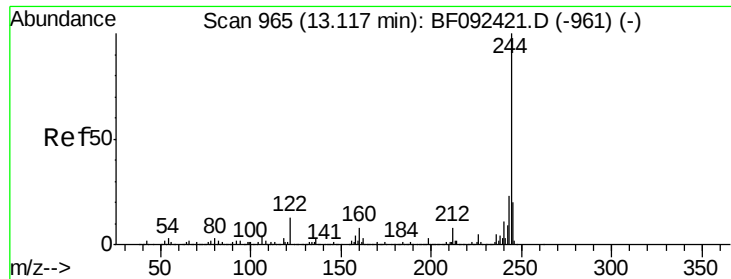


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

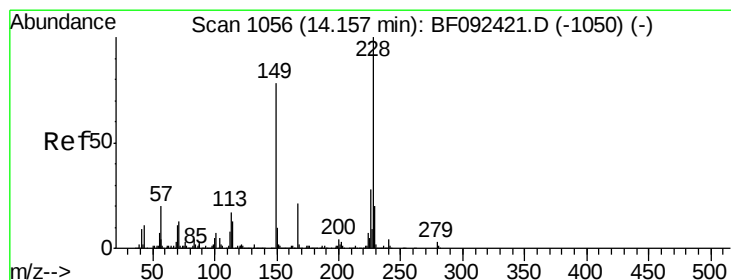
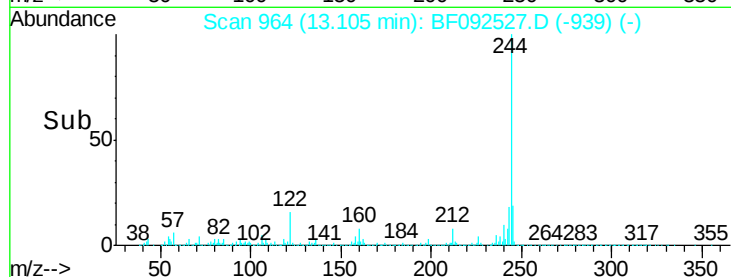
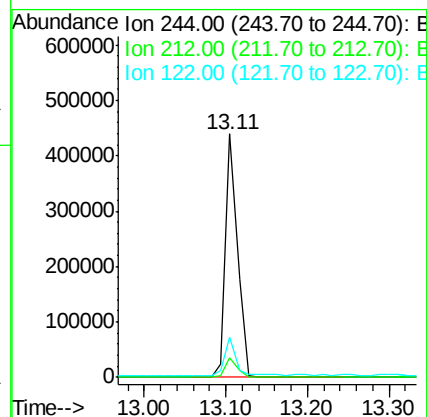
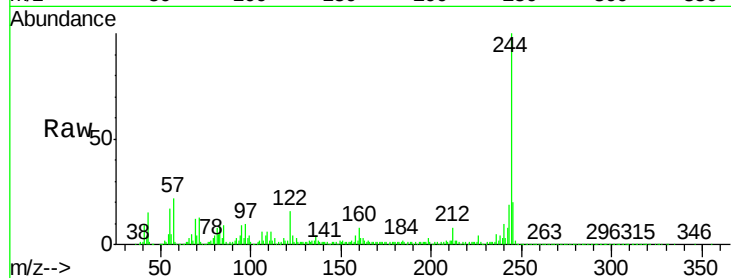




#78
 Terphenyl-d14
 Concen: 46.09 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

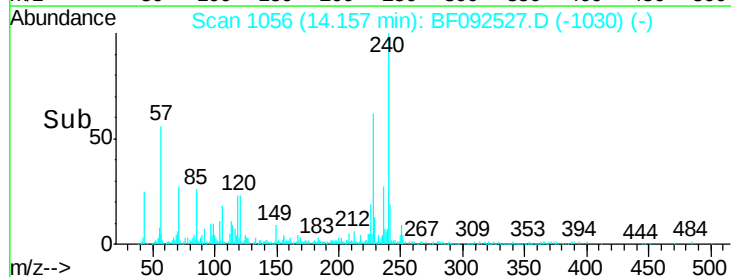
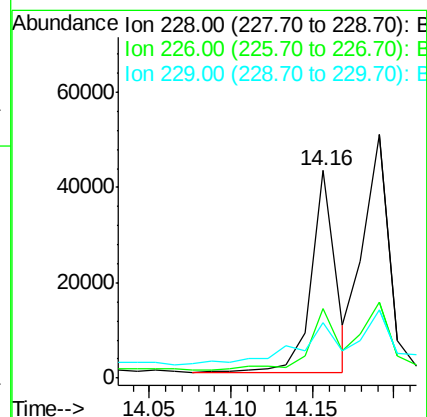
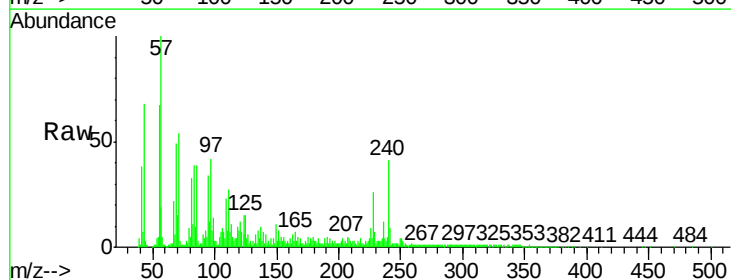
Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

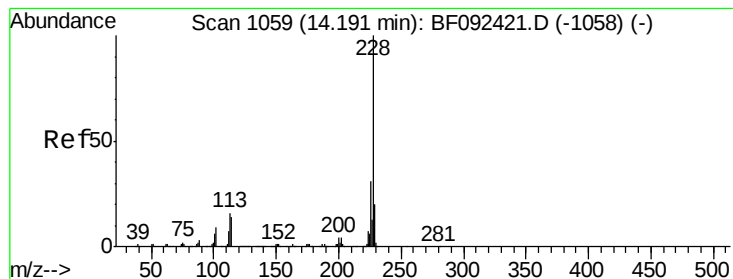
Tgt Ion:244 Resp: 441595
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 16.3 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 3.16 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Tgt Ion:228 Resp: 43328
 Ion Ratio Lower Upper
 228 100
 226 33.3 22.4 33.6
 229 26.9 16.2 24.4#





#82

Chrysene

Concen: 3.85 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

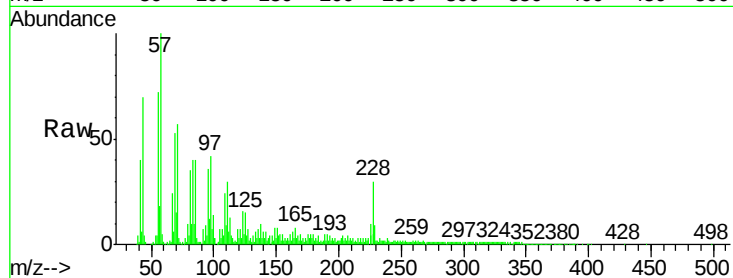
Tgt Ion:228 Resp: 56407

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.0

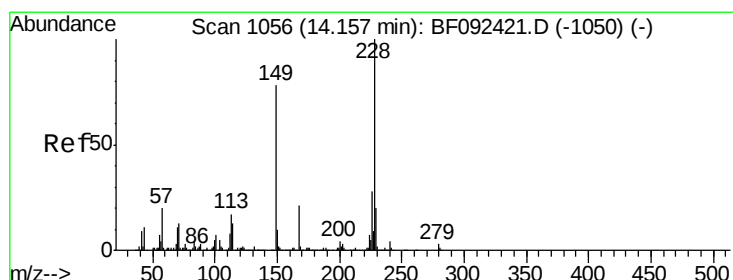
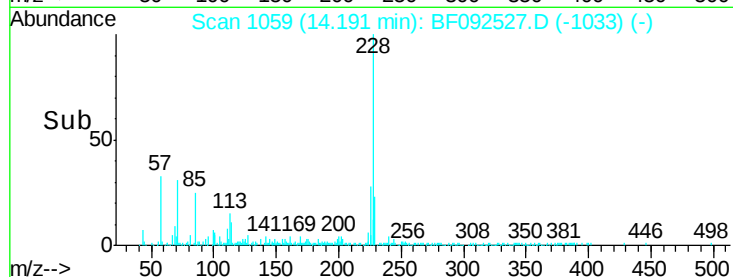
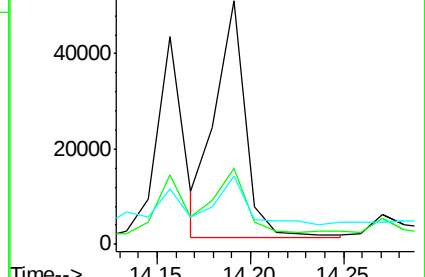
229 28.2 16.2 24.2#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.54 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

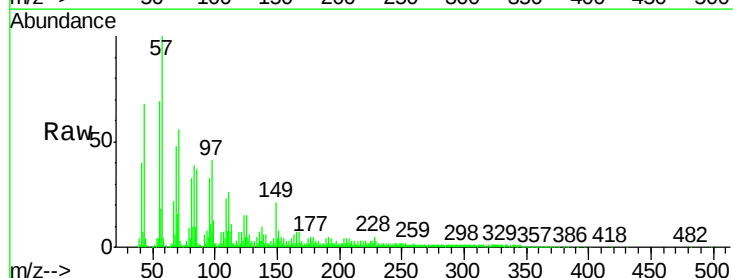
Tgt Ion:149 Resp: 23955

Ion Ratio Lower Upper

149 100

167 32.8 20.2 30.4#

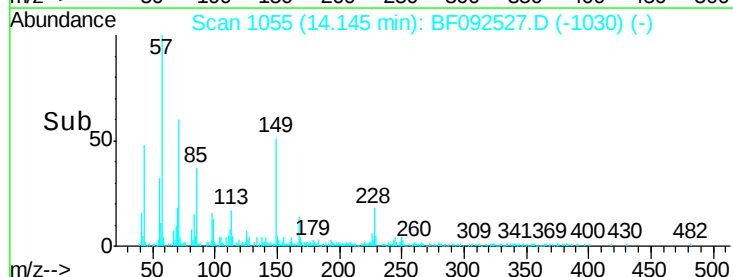
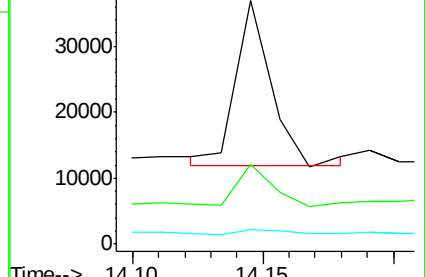
279 6.2 1.8 2.8#

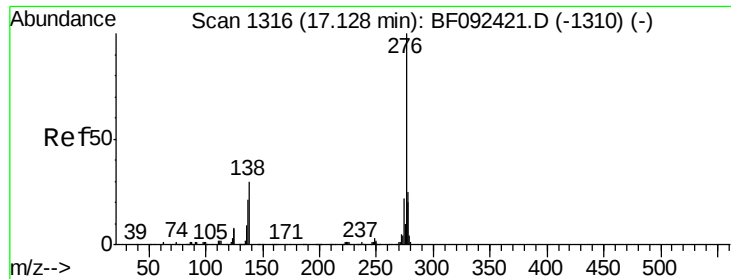


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.45 ng

RT: 17.16 min Scan# 1319

Delta R.T. 0.03 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

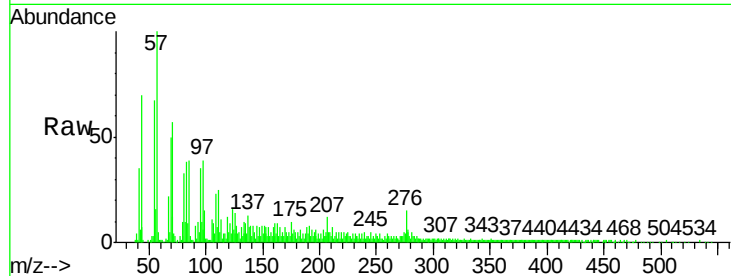
Tgt Ion:276 Resp: 26578

Ion Ratio Lower Upper

276 100

138 23.7 21.8 32.6

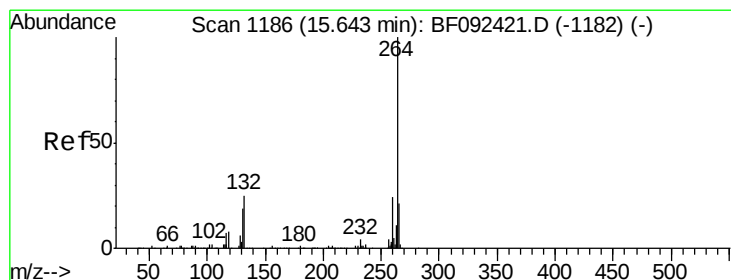
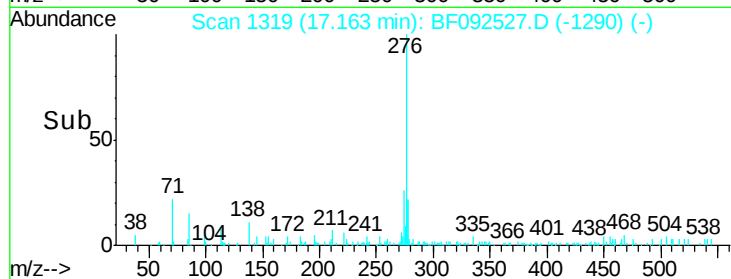
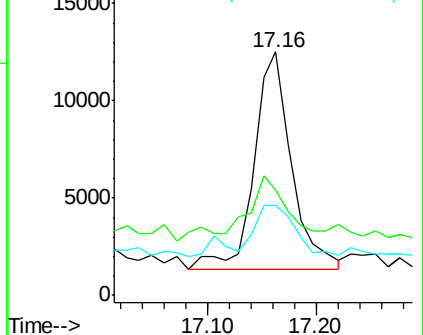
277 23.4 20.2 30.4



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: 15.67 min Scan# 1188

Delta R.T. 0.02 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

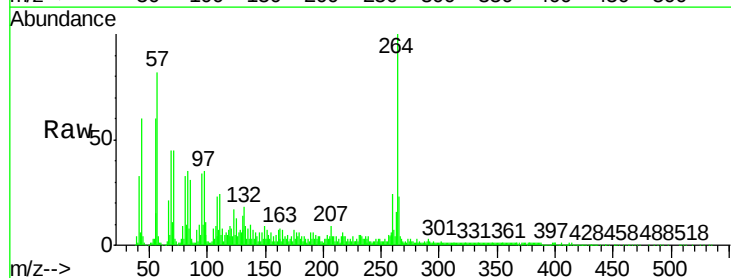
Tgt Ion:264 Resp: 184698

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

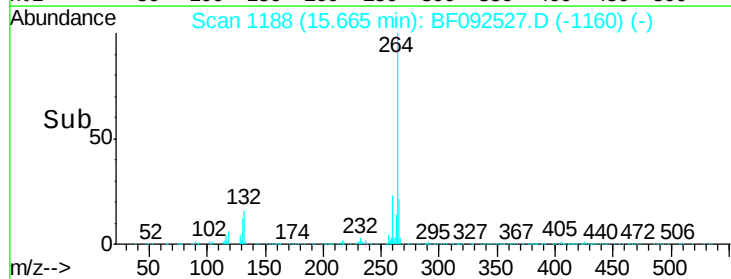
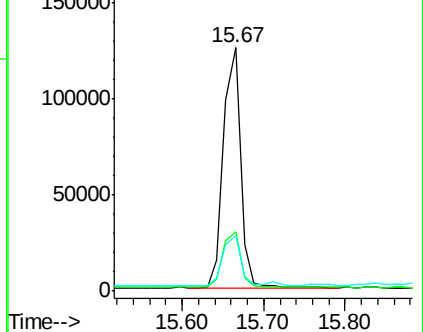
265 22.9 17.4 26.0

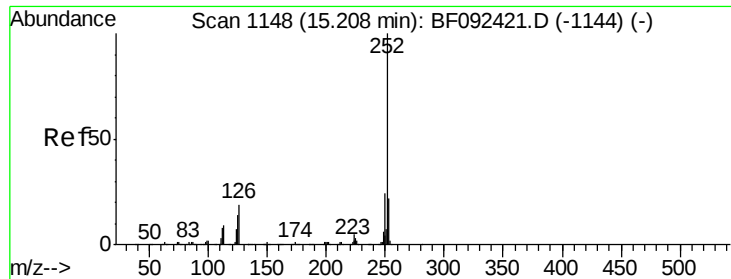


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.57 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

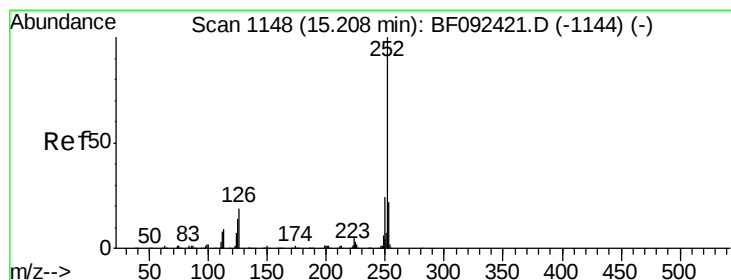
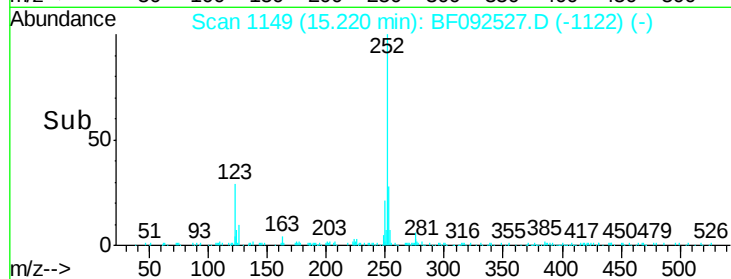
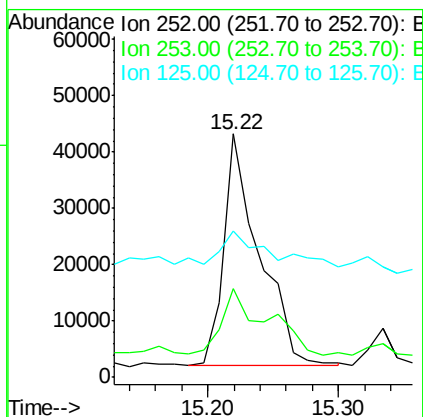
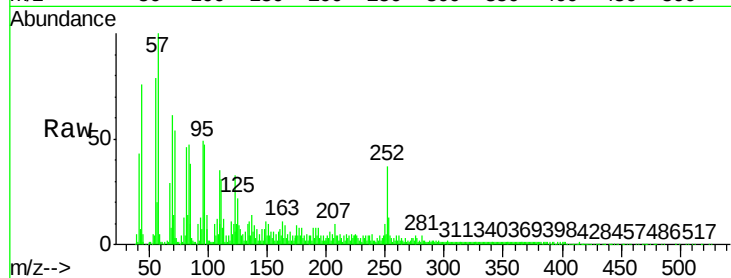
Tgt Ion:252 Resp: 77896

Ion Ratio Lower Upper

252 100

253 36.2 18.2 27.4#

125 60.2 9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 7.90 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

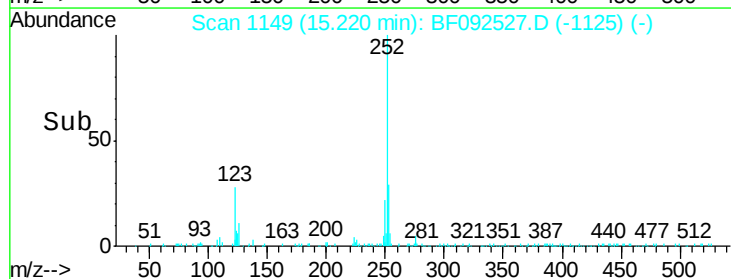
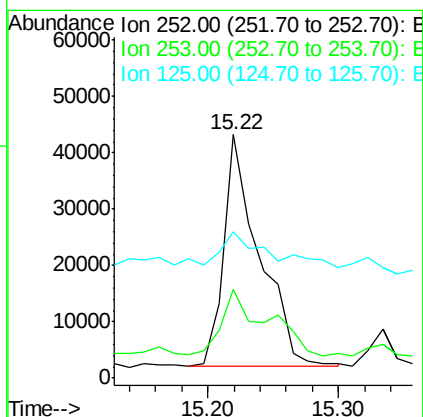
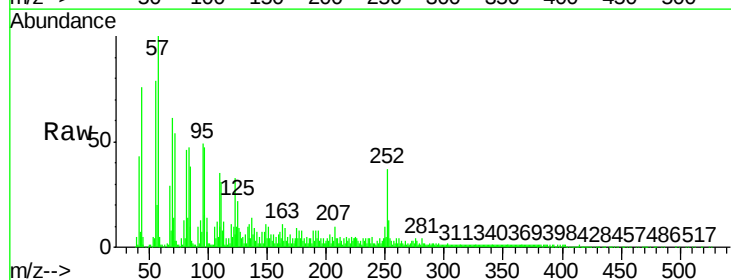
Tgt Ion:252 Resp: 77896

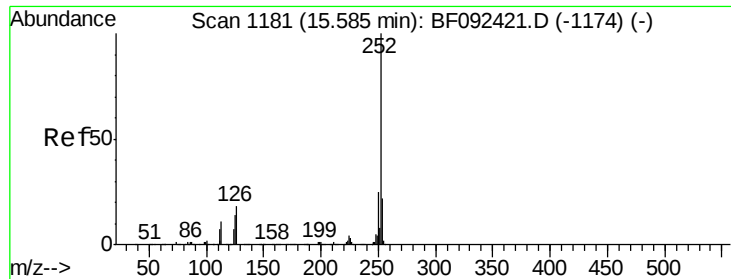
Ion Ratio Lower Upper

252 100

253 36.2 18.5 27.7#

125 60.2 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 2.97 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

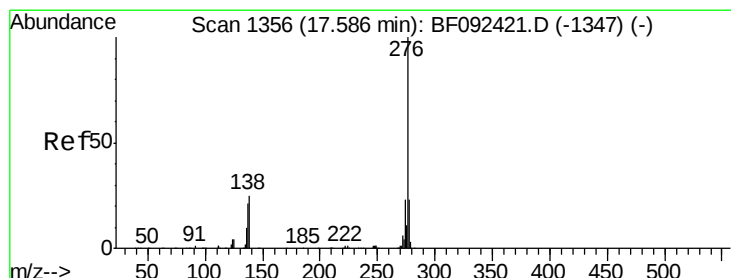
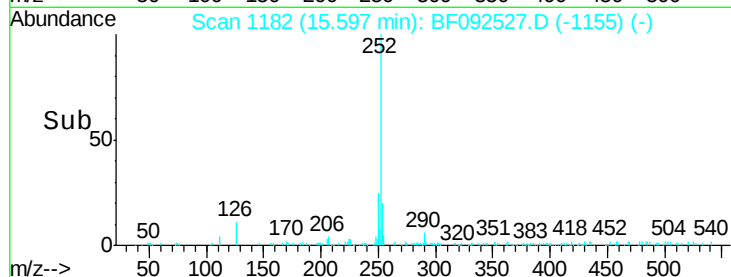
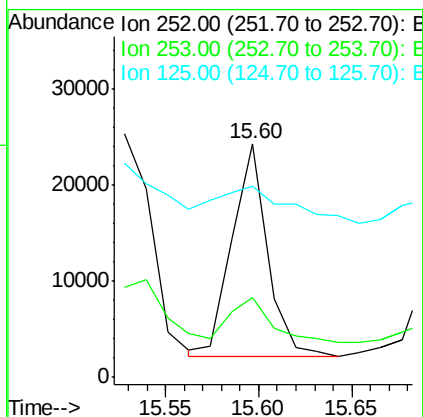
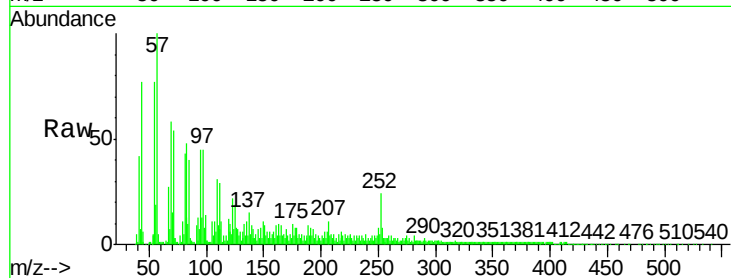
Tgt Ion:252 Resp: 29782

Ion Ratio Lower Upper

252 100

253 34.3 18.2 27.2#

125 81.6 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 3.11 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Tgt Ion:276 Resp: 25551

Ion Ratio Lower Upper

276 100

277 38.1 19.2 28.8#

138 43.0 16.0 24.0#

