

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092514.D
 Acq On : 26 Jan 2017 9:57
 Operator : SJ/MA
 Sample : I1312-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

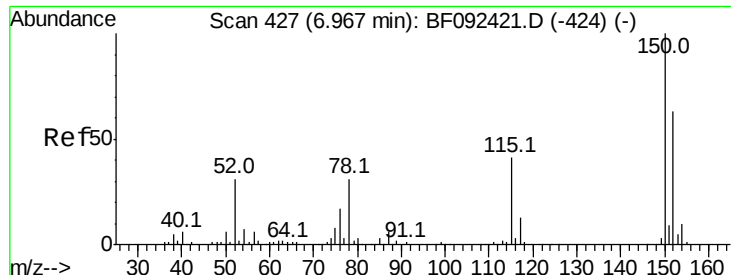
Quant Time: Jan 26 13:27:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170264	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	698504	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	352516	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	555580	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	369107	20.00	ng	-0.02
86) Perylene-d12	15.63	264	336456	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	1112177	101.63	ng	0.01
7) Phenol-d6	6.59	99	1364483	97.89	ng	0.00
23) Nitrobenzene-d5	7.53	82	825822	64.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	286473	119.25	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1408430	73.88	ng	-0.01
78) Terphenyl-d14	13.11	244	1123314	81.04	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	112410	6.68	ng	# 67
19) n-Nitroso-di-n-propylamine	7.53	70	108513	11.43	ng	# 84
25) Isophorone	7.53	82	706281	28.03	ng	# 65
49) Dimethylphthalate	9.73	163	299592	13.36	ng	99
56) 2,4-Dinitrotoluene	10.02	165	45255	7.44	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.81	198	673	5.15	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	19489	3.47	ng	# 1
70) Phenanthrene	11.53	178	130175	4.25	ng	97
74) Fluoranthene	12.73	202	280848	9.38	ng	91
77) Pyrene	12.96	202	238193	8.91	ng	97
80) Benzo(a)anthracene	14.17	228	91105	4.59	ng	96
82) Chrysene	14.17	228	91105	4.30	ng	96
87) Benzo(b)fluoranthene	15.20	252	157126	7.27	ng	99
88) Benzo(k)fluoranthene	15.20	252	157126	8.75	ng	98
89) Benzo(a)pyrene	15.56	252	89700	4.91	ng	99
91) Benzo(g,h,i)perylene	17.54	276	50666	3.39	ng	# 90

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

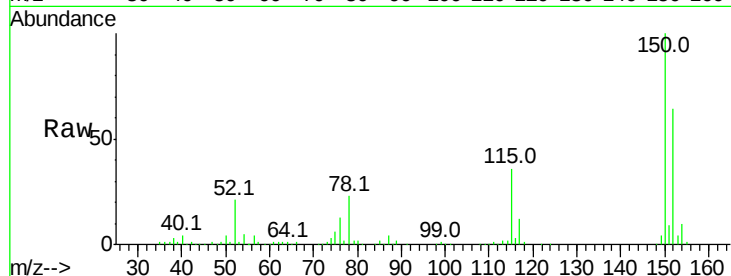


#1

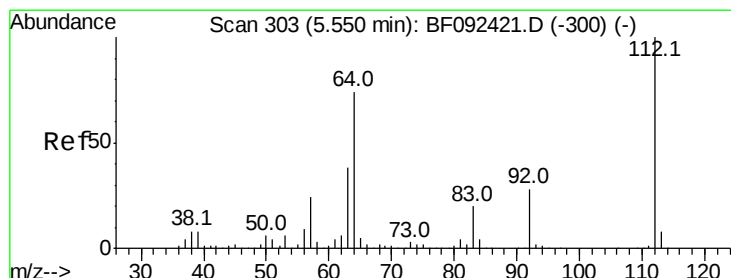
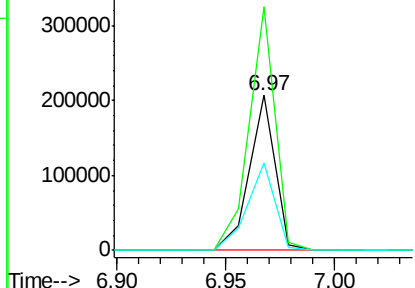
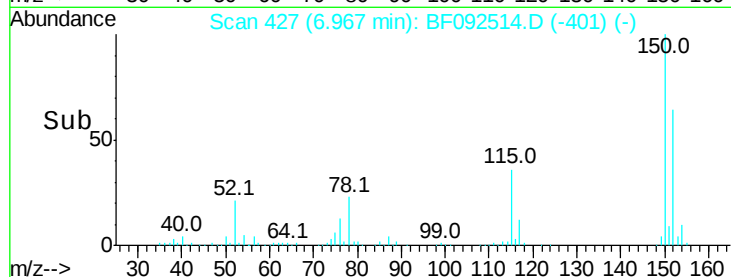
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170264
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 56.3 46.0 69.0



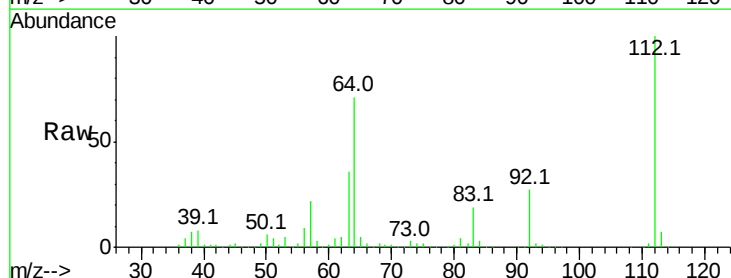
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



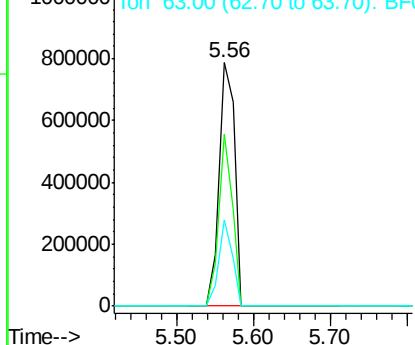
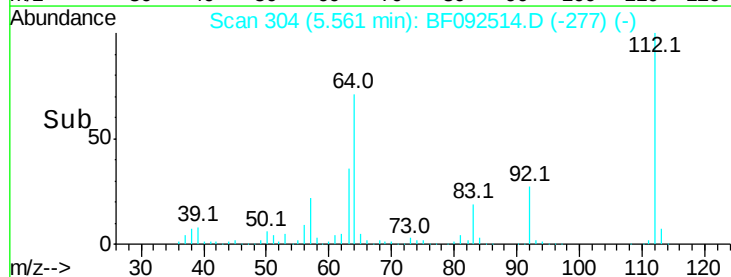
#5

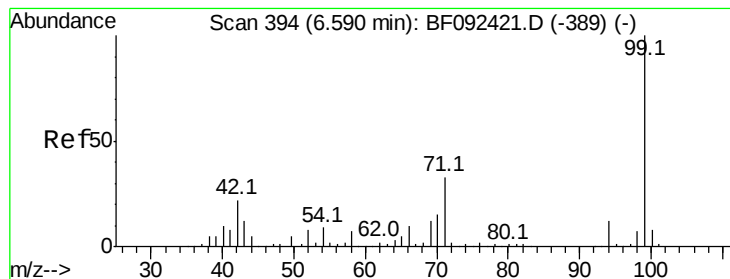
2-Fluorophenol
Concen: 101.63 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion:112 Resp: 1112177
Ion Ratio Lower Upper
112 100
64 70.8 46.1 69.1#
63 35.7 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: 97.89 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

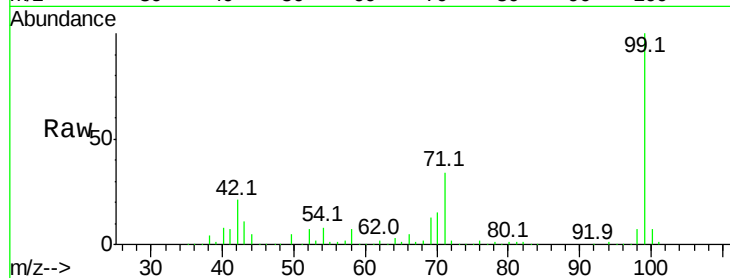
Tot Ion: 99 Resp: 1364483

Ion Ratio Lower Upper

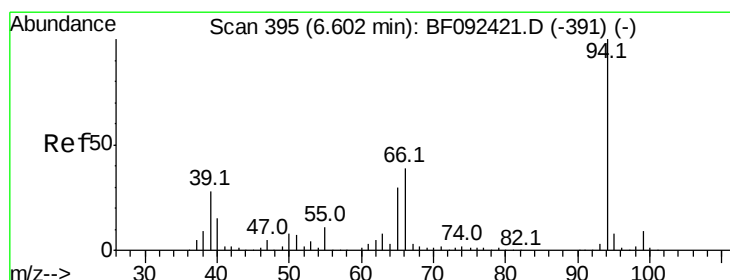
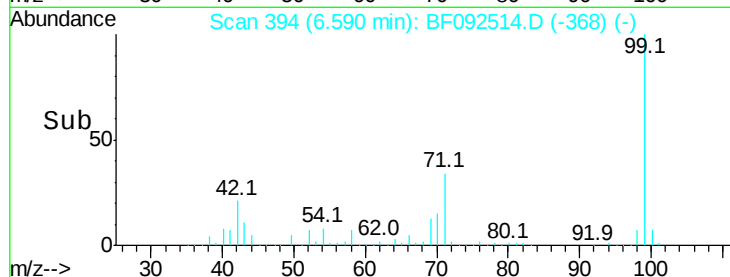
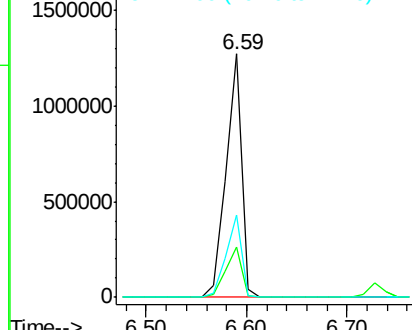
99 100

42 20.6 15.6 23.4

71 33.6 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: 6.68 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

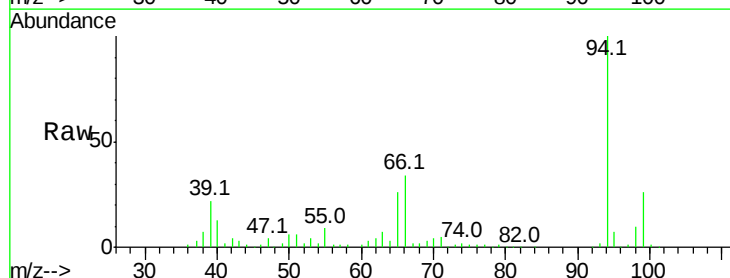
Tgt Ion: 94 Resp: 112410

Ion Ratio Lower Upper

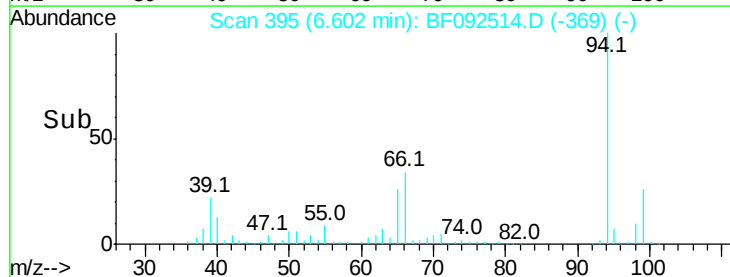
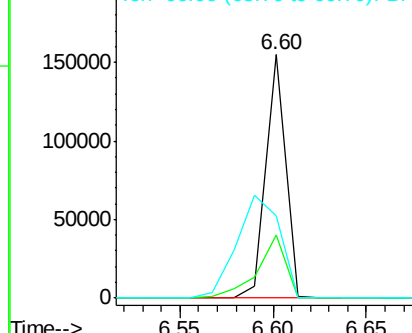
94 100

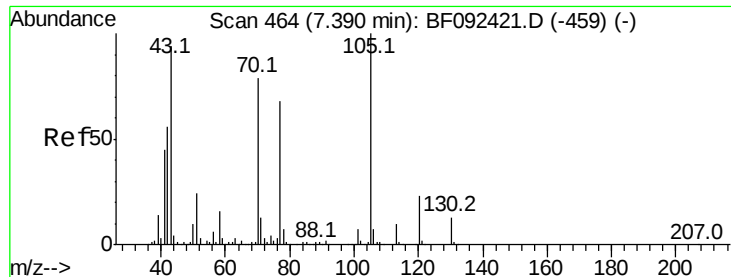
65 25.7 21.4 61.4

66 34.1 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

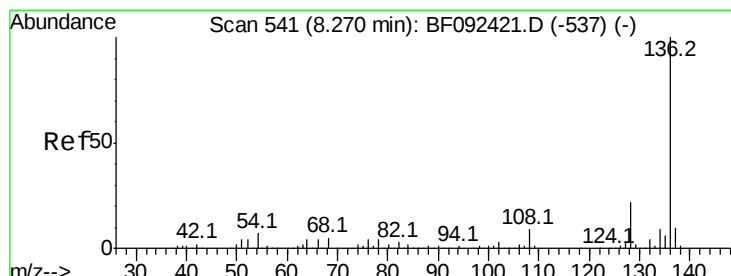
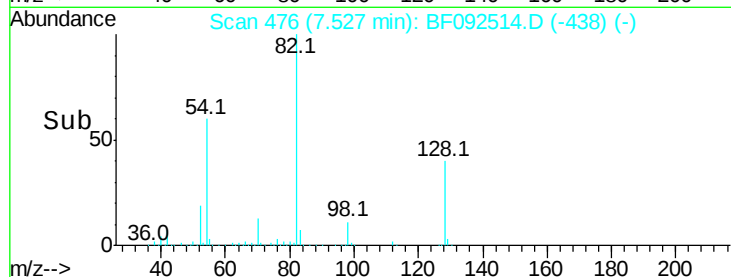
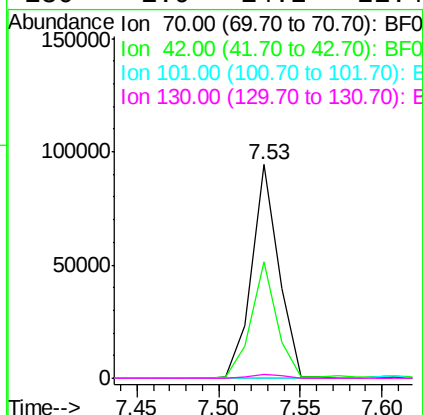
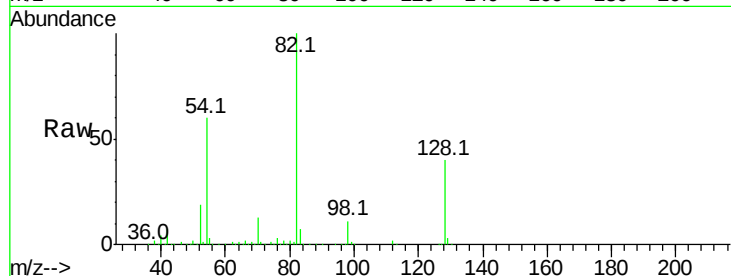




#19
n-Nitroso-di-n-propylamine
Concen: 11.43 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

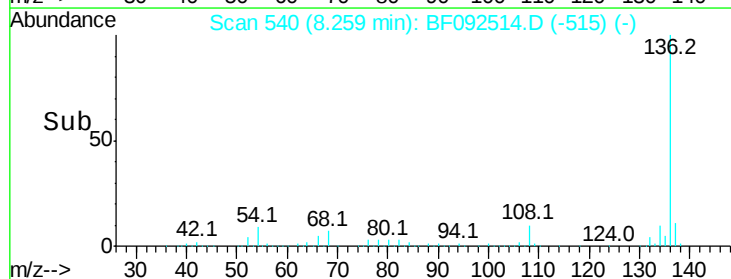
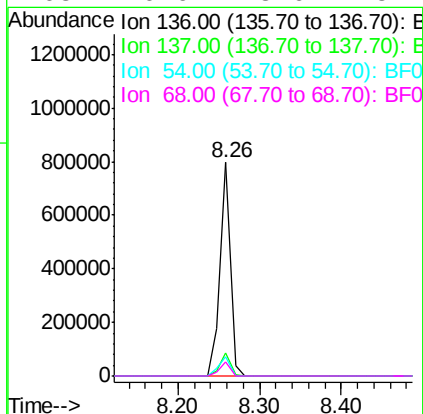
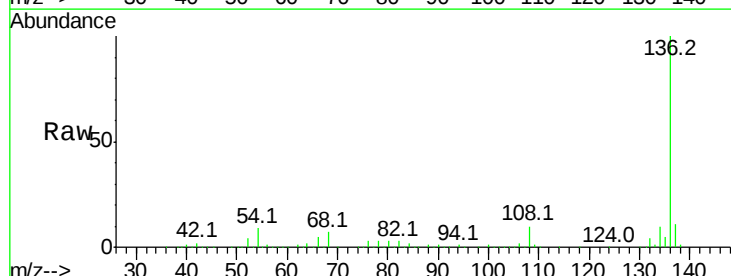
Instrument :
BNA_F
ClientSampled :

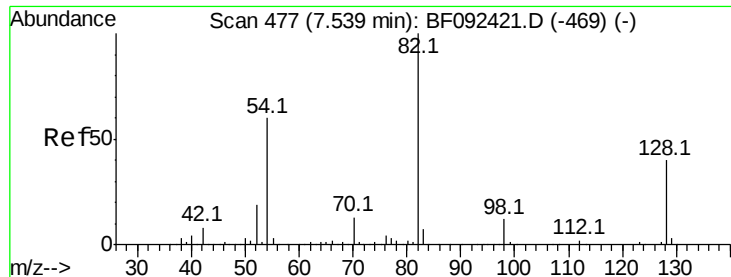
Tot Ion: 70 Resp: 108513
Ion Ratio Lower Upper
70 100
42 54.6 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion: 136 Resp: 698504
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 9.2 4.5 6.7#
68 6.6 3.6 5.4#

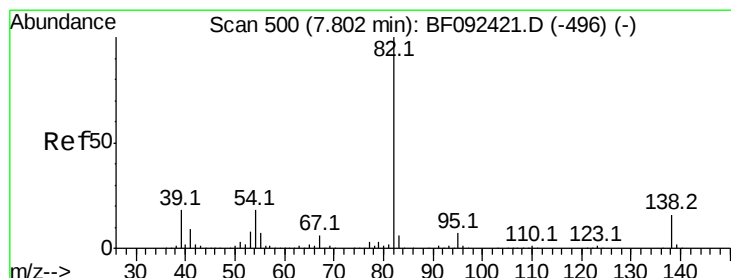
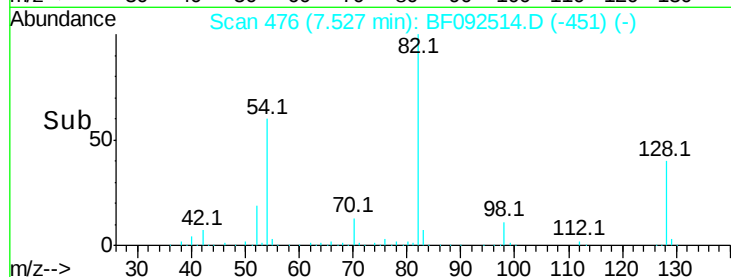
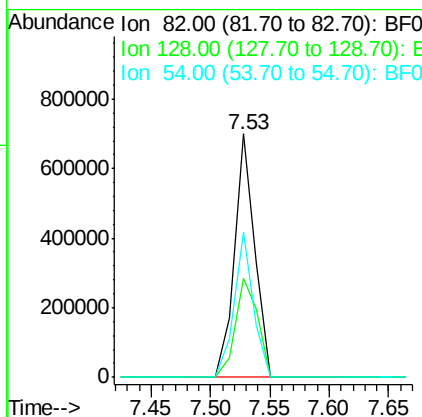
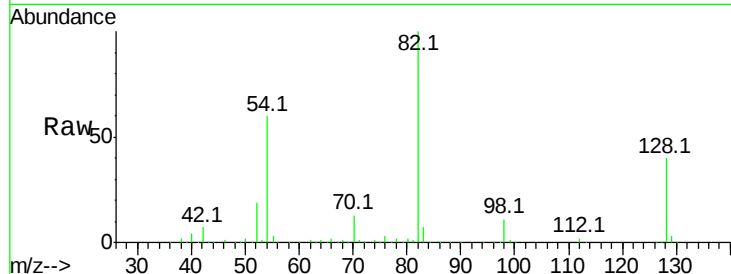




#23
Nitrobenzene-d5
Concen: 64.58 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

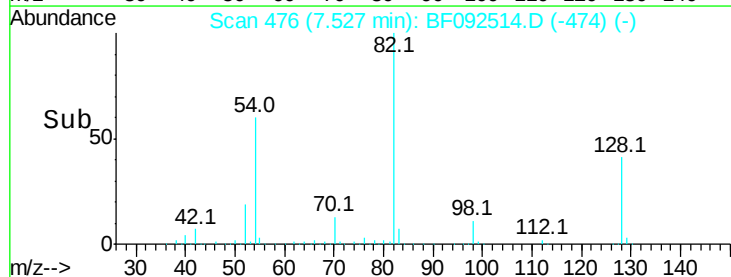
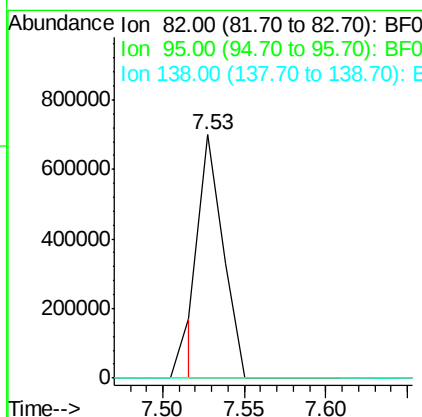
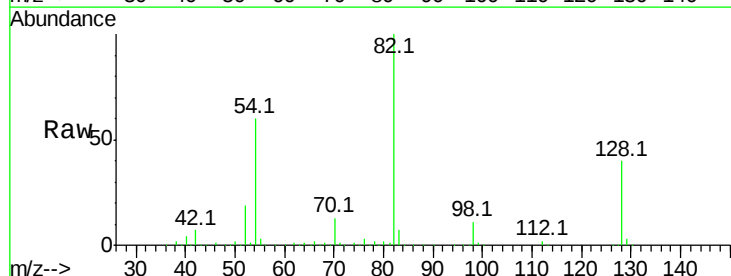
Instrument :
BNA_F
ClientSampled :

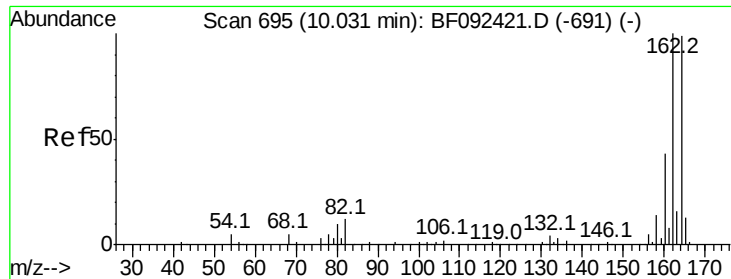
Tot Ion	82	Resp	825822
Ion Ratio	Lower	Upper	
82	100		
128	40.5	34.6	52.0
54	59.8	39.5	59.3#



#25
Isophorone
Concen: 28.03 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.27 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	82	Resp	706281
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

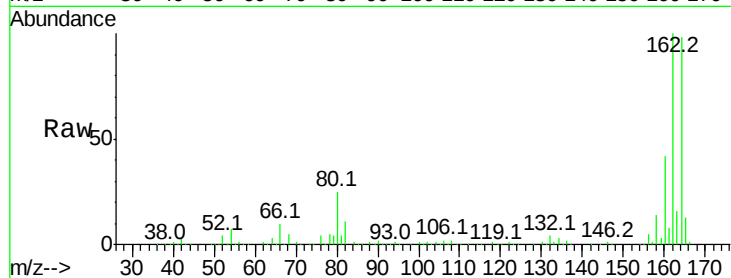




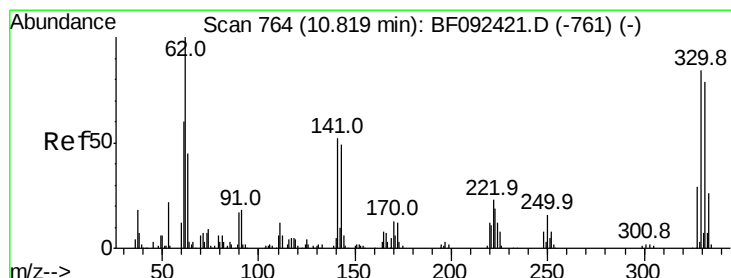
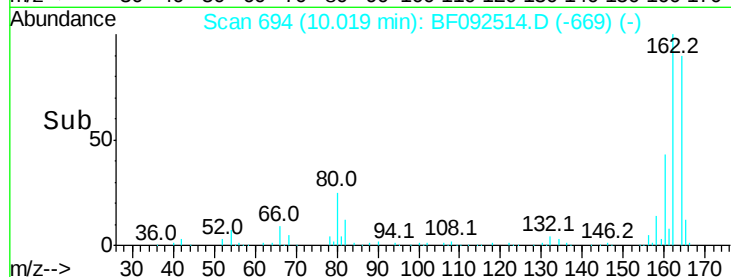
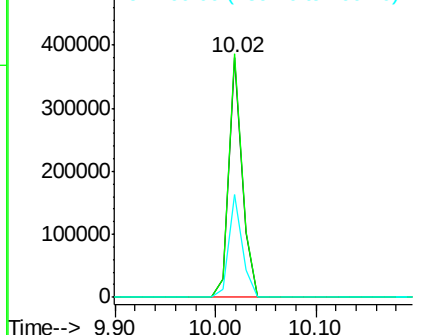
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 352516
Ion Ratio Lower Upper
164 100
162 101.6 80.2 120.2
160 43.1 36.9 55.3

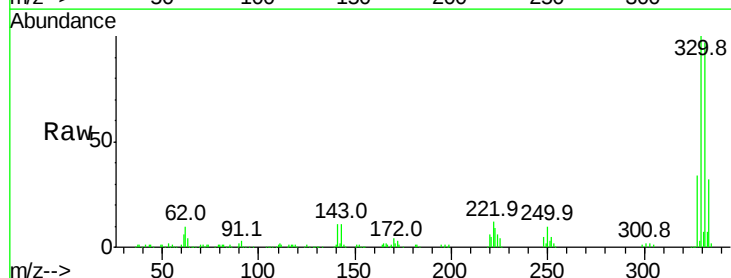


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

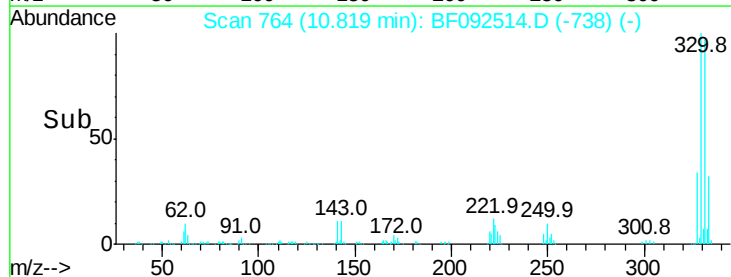
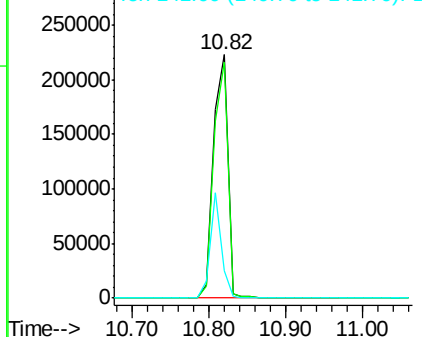


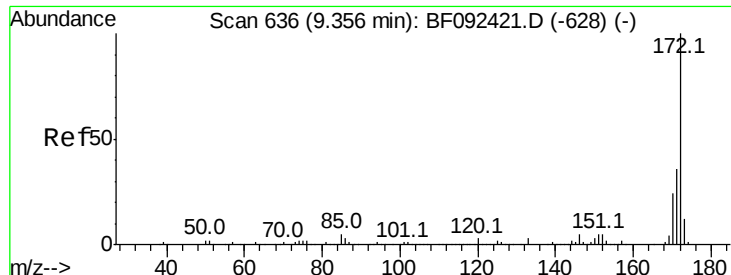
#41
2,4,6-Tribromophenol
Concen: 119.25 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion:330 Resp: 286473
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.2
141 33.8 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



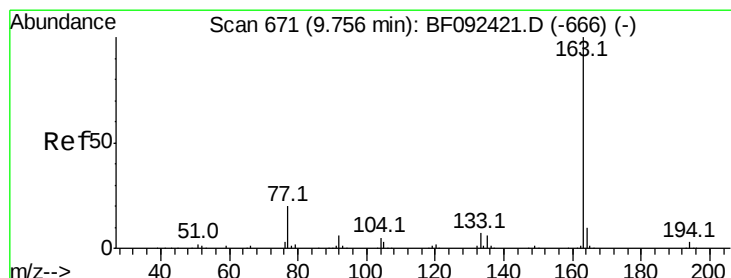
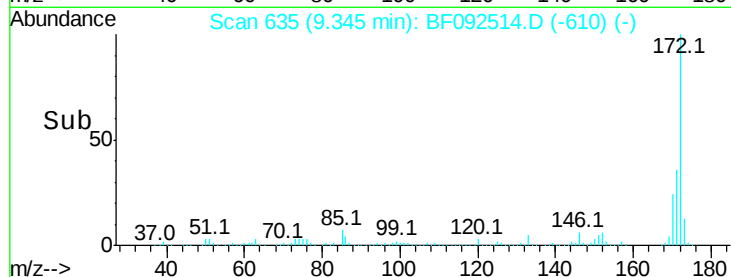
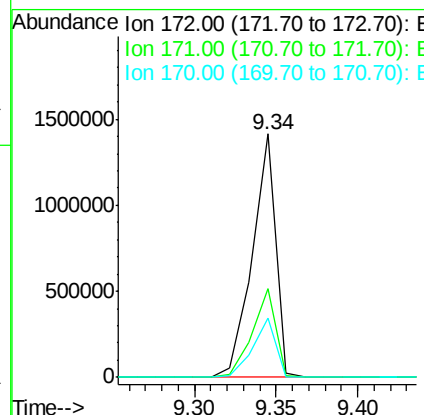
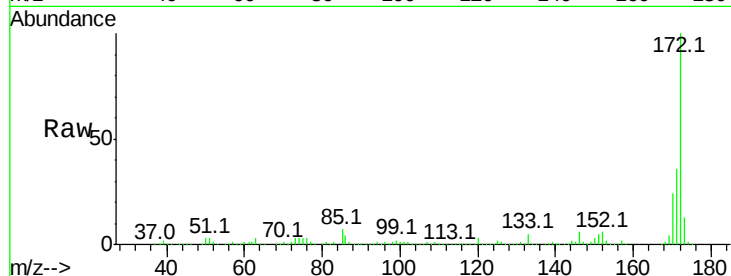


#44
 2-Fluorobiphenyl
 Concen: 73.88 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092514.D
 Acq: 26 Jan 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1408430

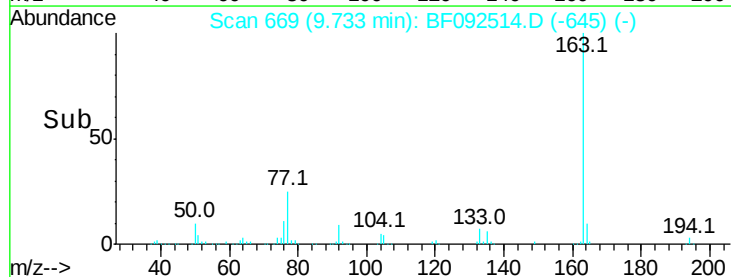
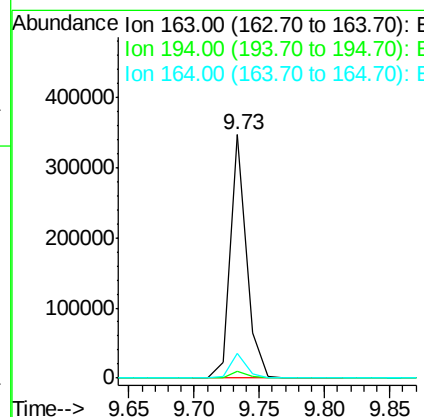
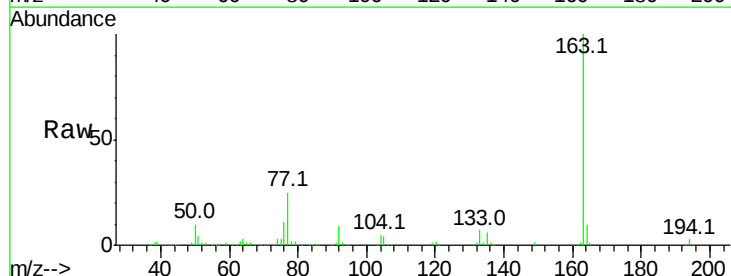
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.3	20.2	30.4

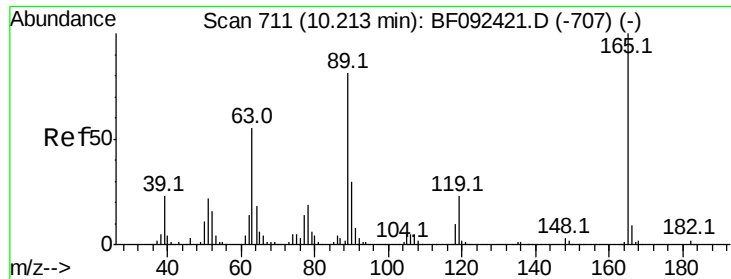


#49
 Dimethylphthalate
 Concen: 13.36 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092514.D
 Acq: 26 Jan 2017 9:57

Tgt Ion:163 Resp: 299592

Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.2	8.0	12.0





#56

2,4-Dinitrotoluene

Concen: 7.44 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.19 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 45255

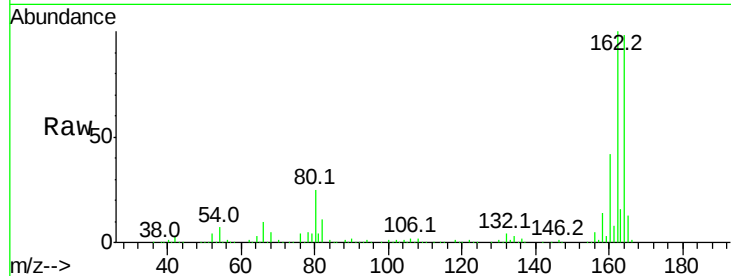
Ion Ratio Lower Upper

165 100

63 1.1 40.2 60.4#

89 1.0 62.5 93.7#

182 0.0 1.8 2.8#

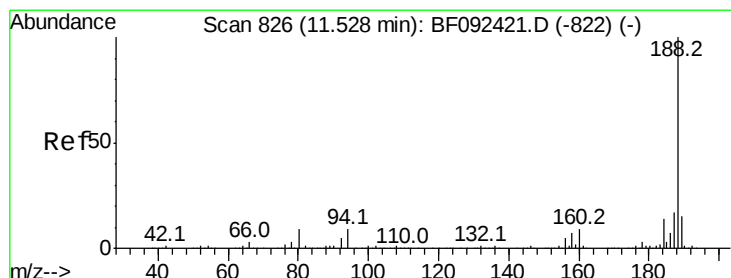
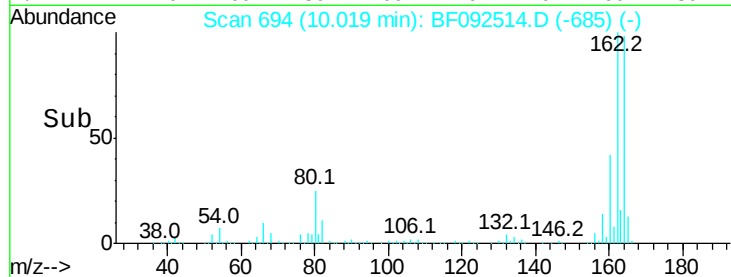
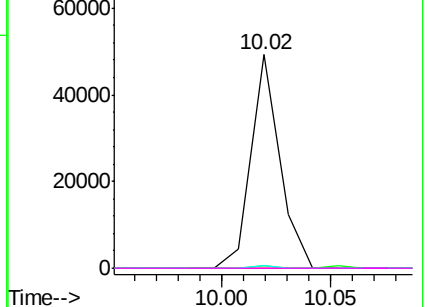


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

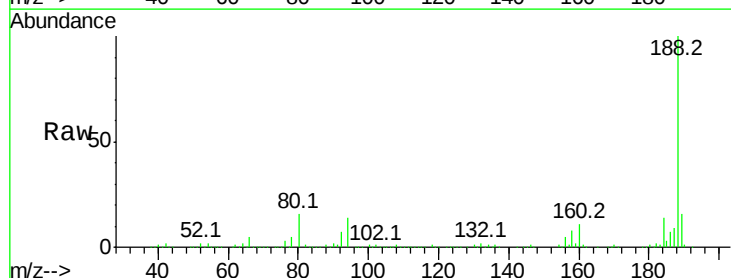
Tgt Ion:188 Resp: 555580

Ion Ratio Lower Upper

188 100

94 14.4 10.0 15.0

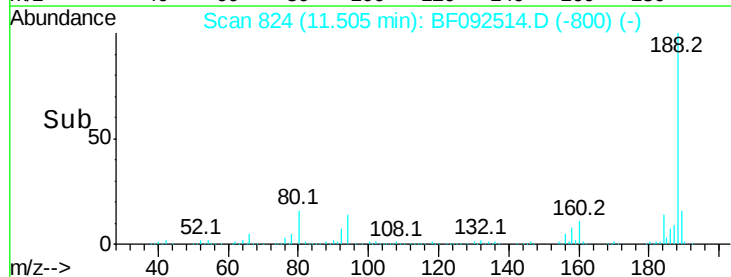
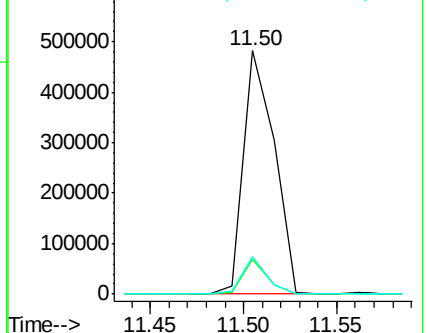
80 15.5 11.2 16.8

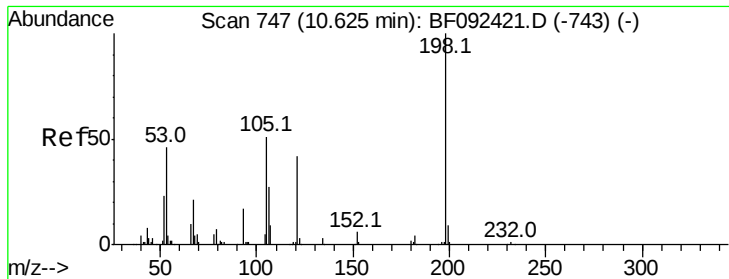


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.15 ng

RT: 10.81 min Scan# 763

Delta R.T. 0.18 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampled :

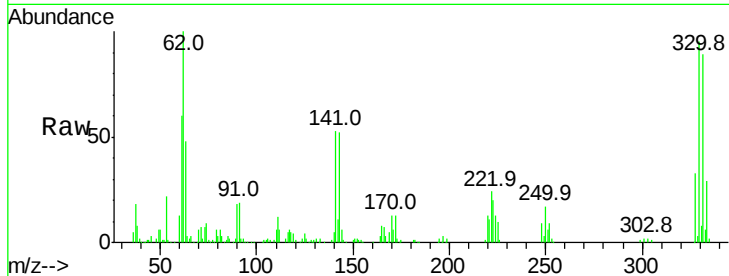
Tot Ion:198 Resp: 673

Ion Ratio Lower Upper

198 100

51 337.2 6.7 46.7#

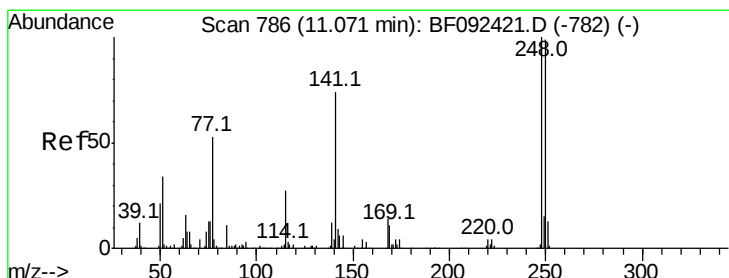
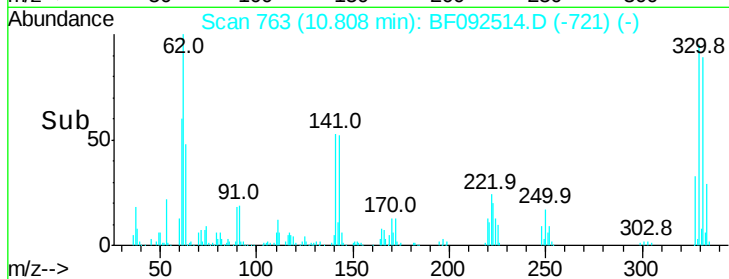
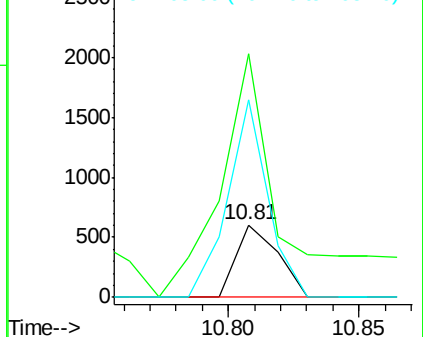
105 273.8 16.6 56.6#



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: 3.47 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

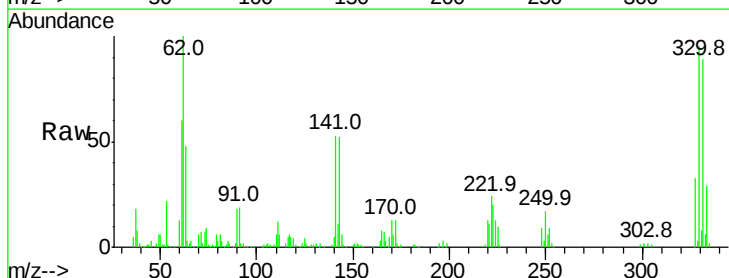
Tgt Ion:248 Resp: 19489

Ion Ratio Lower Upper

248 100

250 197.5 76.9 115.3#

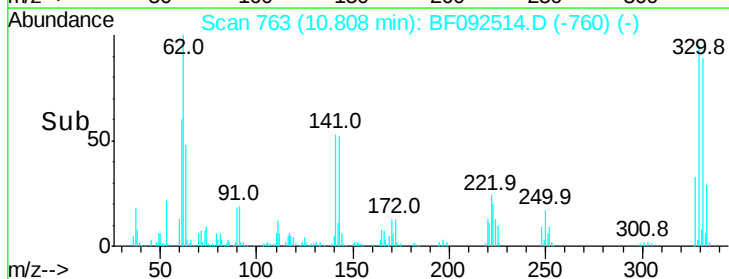
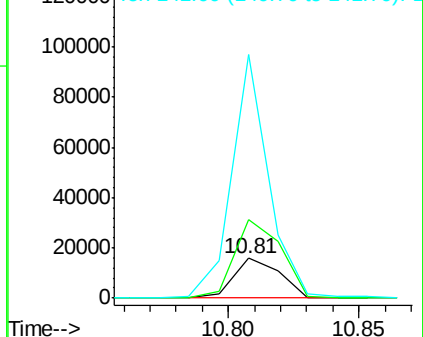
141 614.1 68.2 102.4#

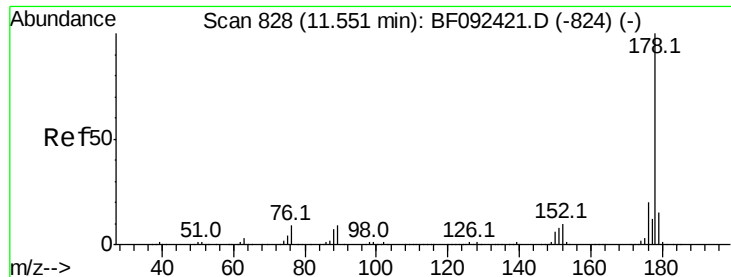


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

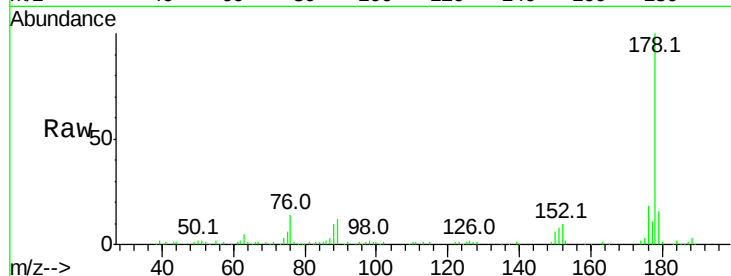




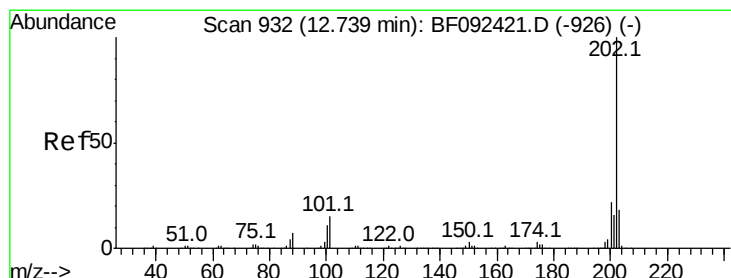
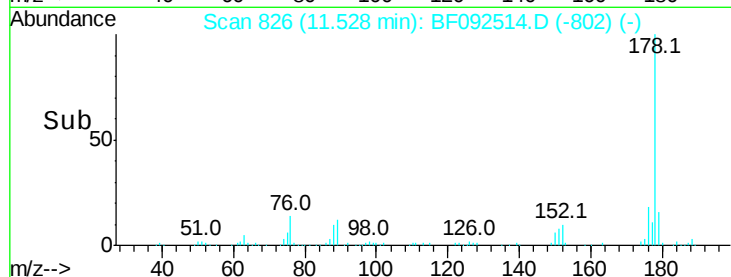
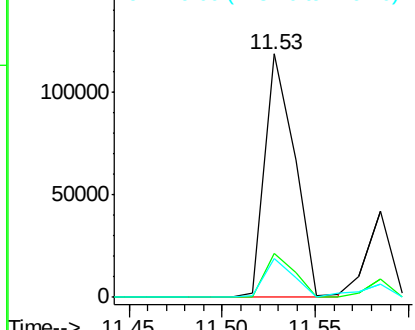
#70
Phenanthrene
Concen: 4.25 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 130175
Ion Ratio Lower Upper
178 100
176 18.2 16.6 25.0
179 15.7 12.8 19.2

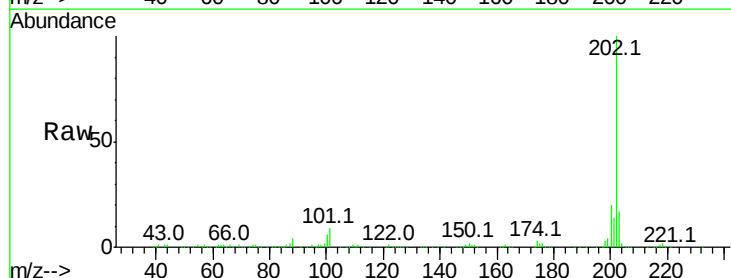


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

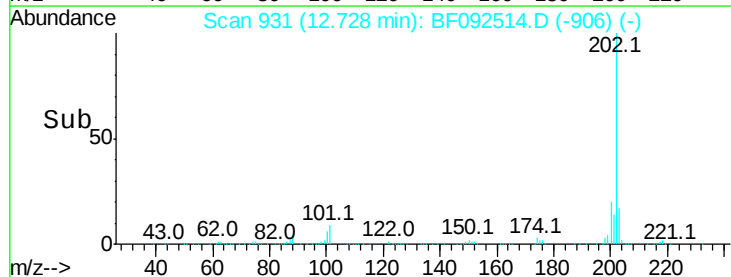
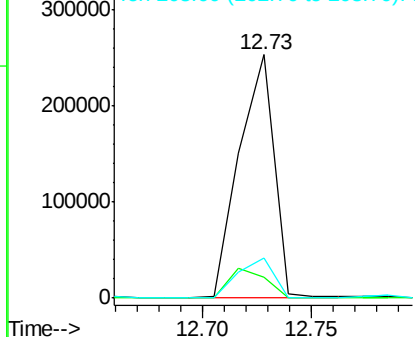


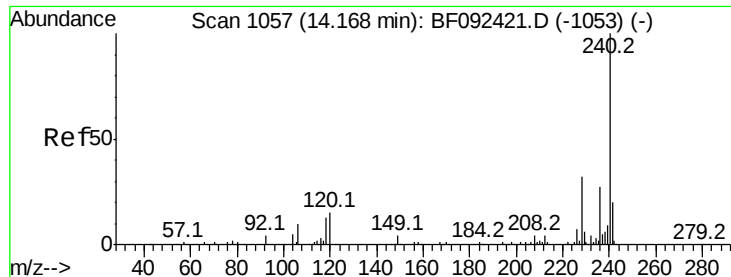
#74
Fluoranthene
Concen: 9.38 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion:202 Resp: 280848
Ion Ratio Lower Upper
202 100
101 8.7 0.0 34.6
203 16.7 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

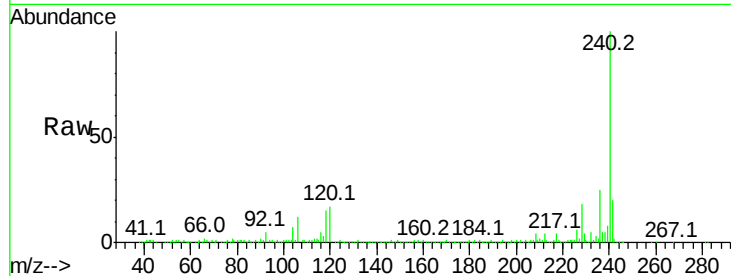
Tot Ion:240 Resp: 369107

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

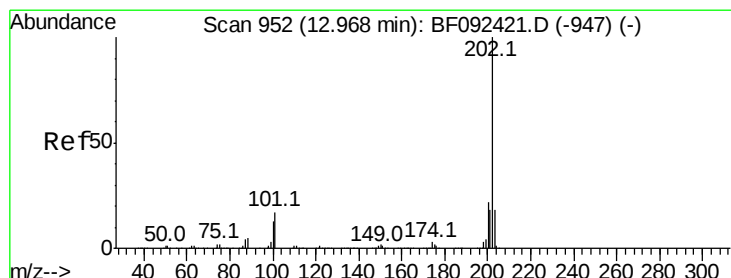
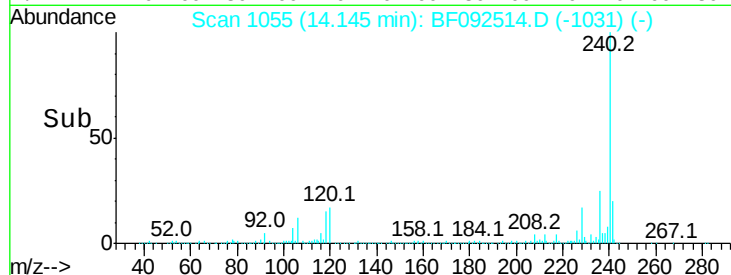
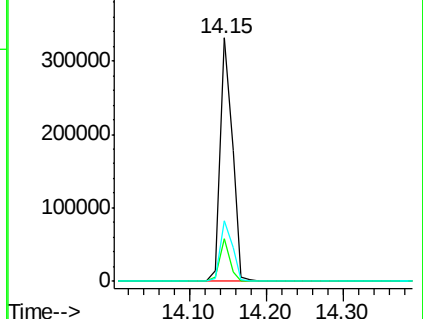
236 24.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.91 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

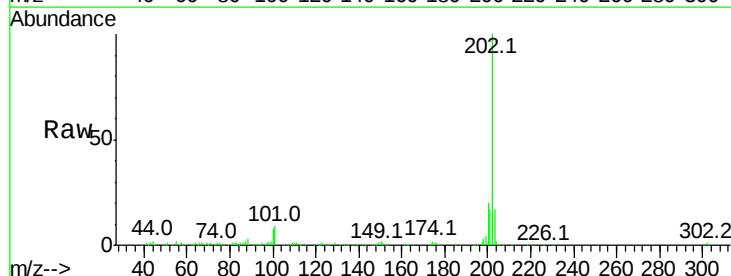
Tgt Ion:202 Resp: 238193

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

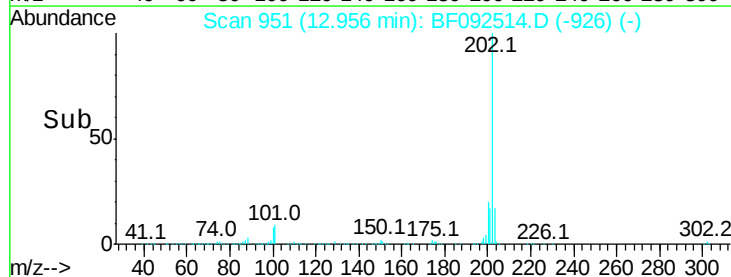
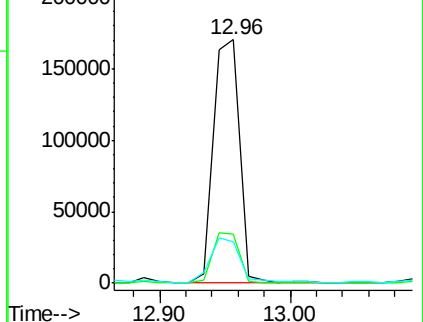
203 17.0 14.7 22.1

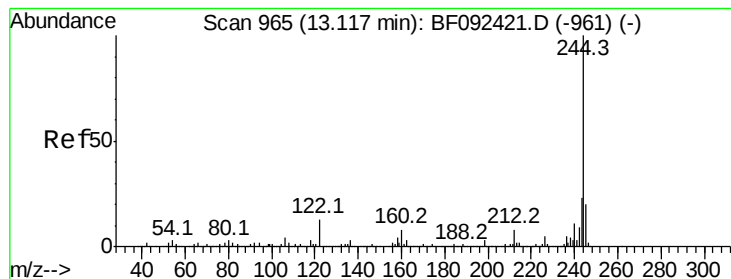


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.04 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

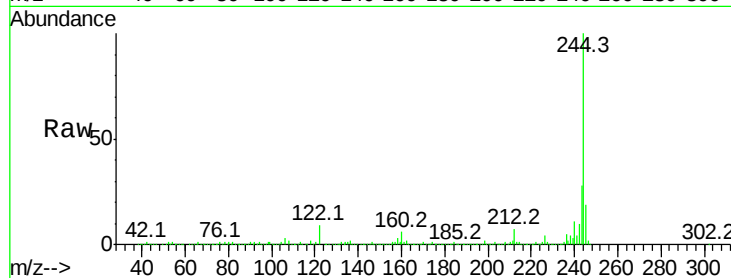
Tot Ion:244 Resp: 1123314

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

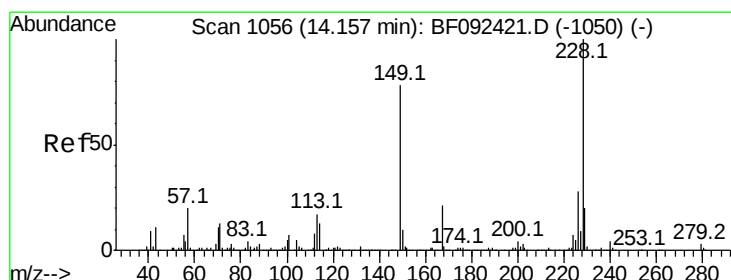
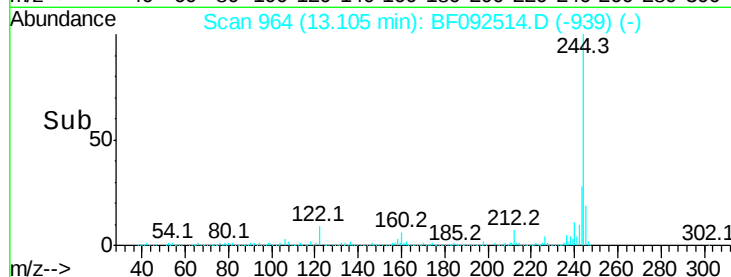
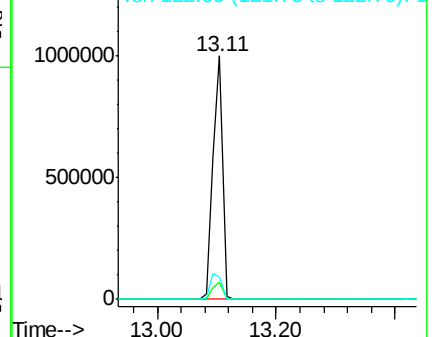
122 9.0 11.4 17.2#



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: 4.59 ng

RT: 14.17 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

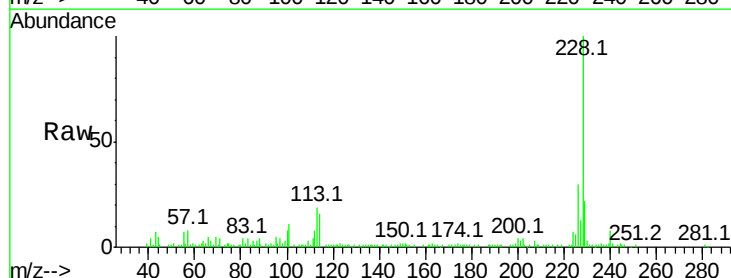
Tgt Ion:228 Resp: 91105

Ion Ratio Lower Upper

228 100

226 29.6 22.4 33.6

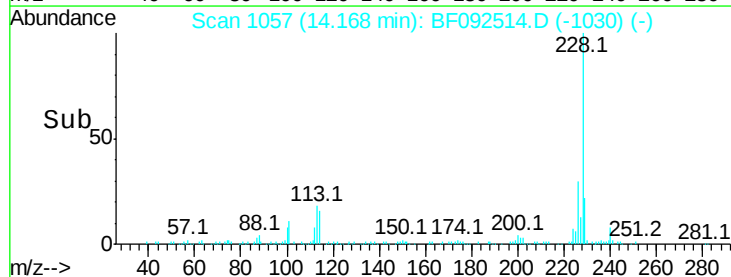
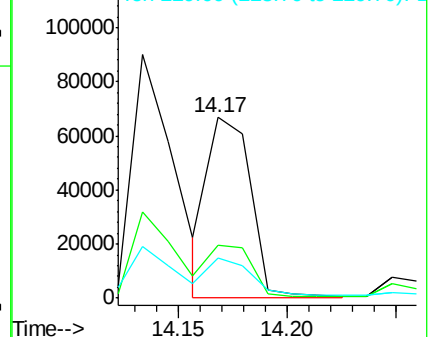
229 22.3 16.2 24.4

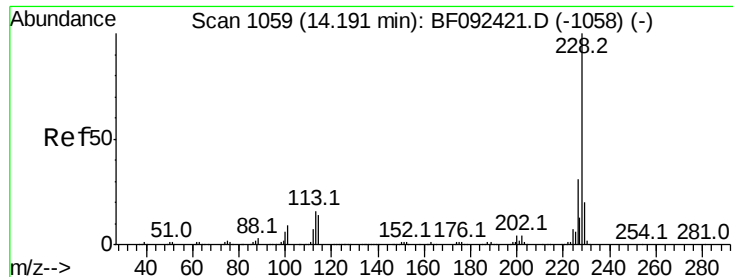


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.30 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

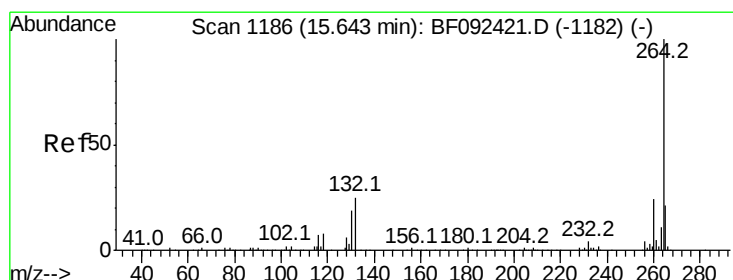
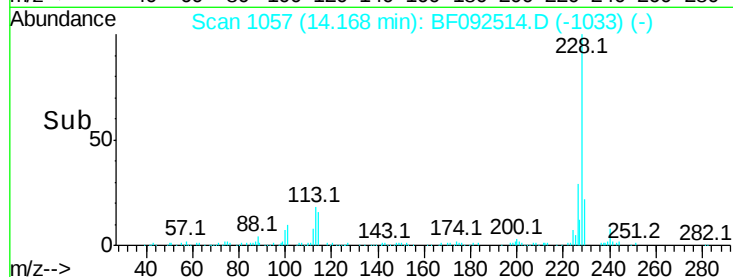
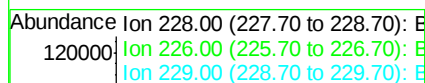
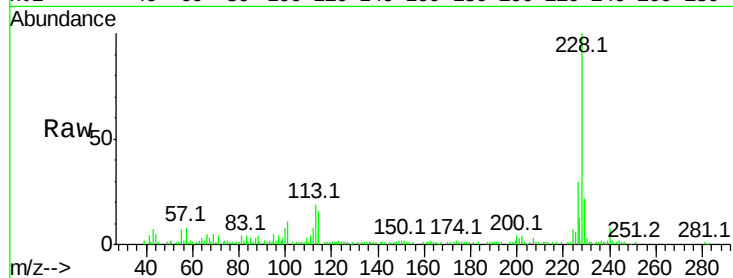
Tot Ion:228 Resp: 91105

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.0

229 22.3 16.2 24.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

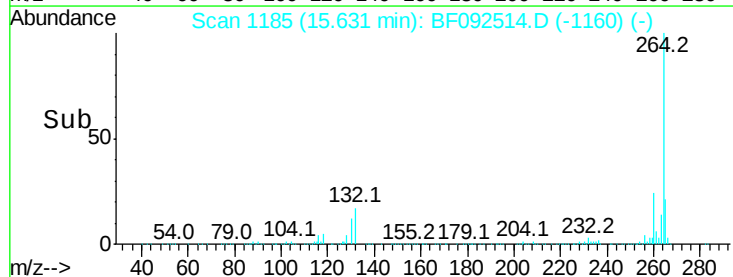
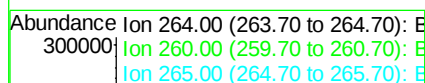
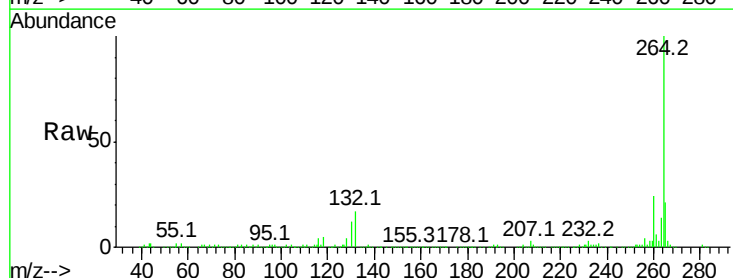
Tgt Ion:264 Resp: 336456

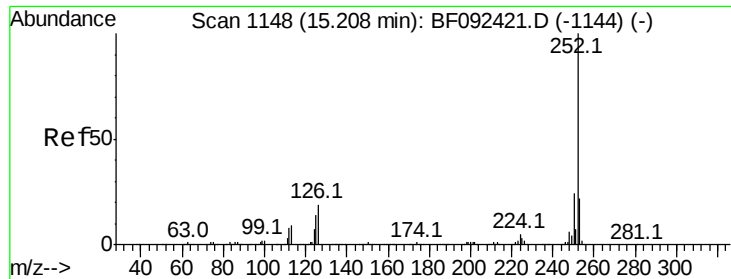
Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.3 17.4 26.0

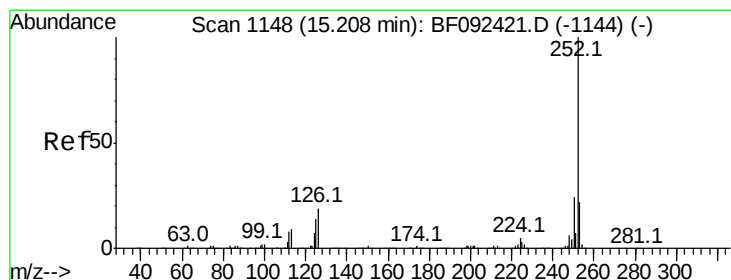
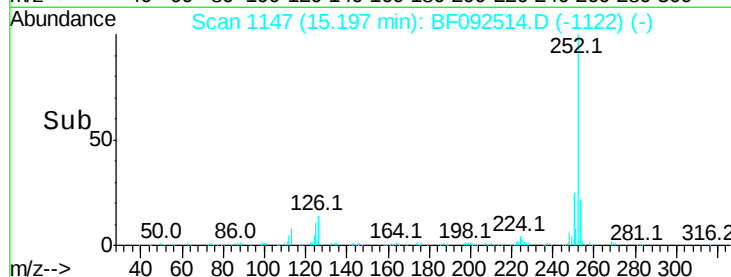
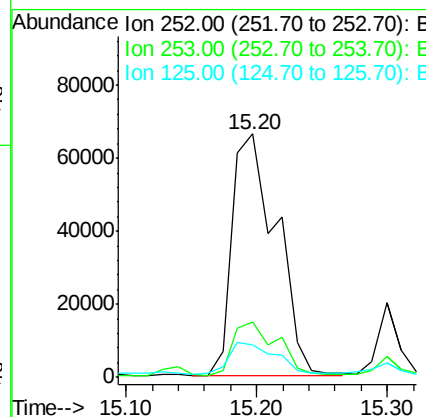
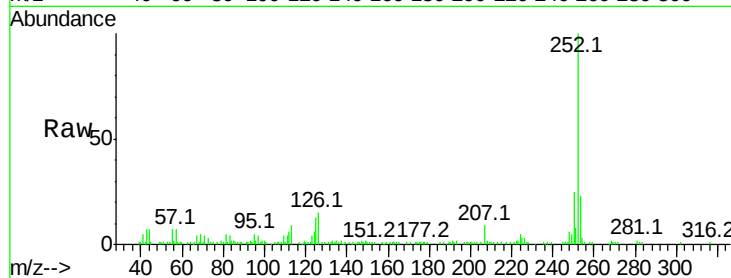




#87
Benzo(b)fluoranthene
Concen: 7.27 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

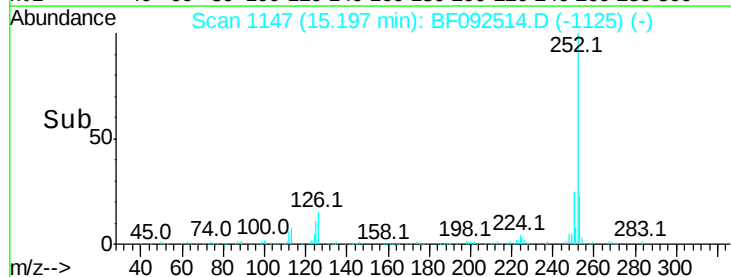
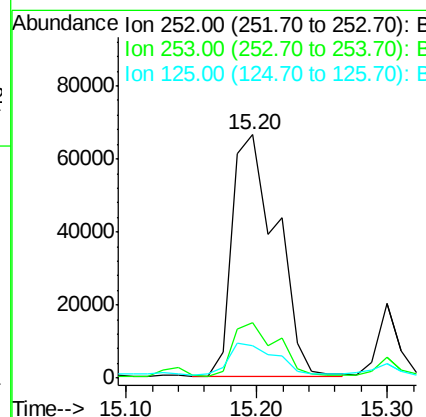
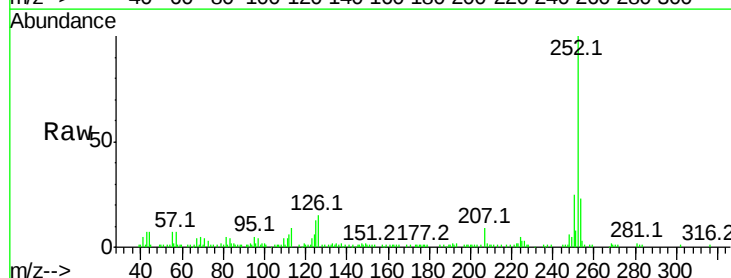
Instrument :
BNA_F
ClientSampleId :

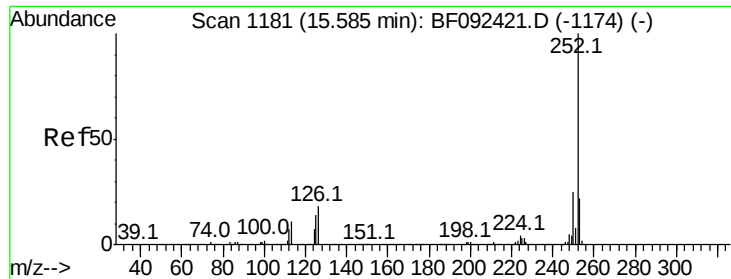
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	13.2	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 8.75 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	13.2	8.9	13.3





#89

Benzo(a)pyrene

Concen: 4.91 ng

RT: 15.56 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

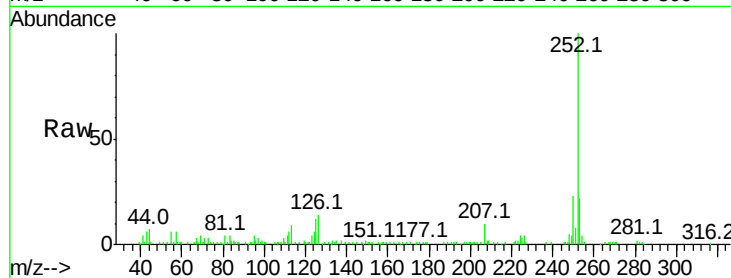
Tot Ion:252 Resp: 89700

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

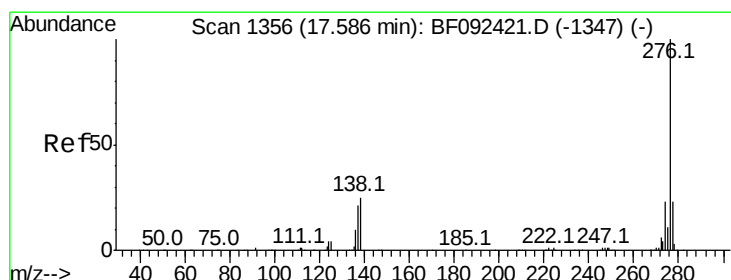
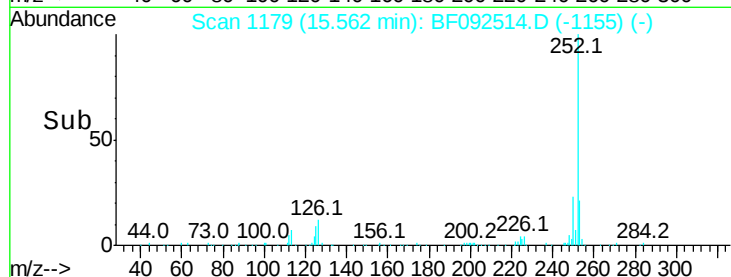
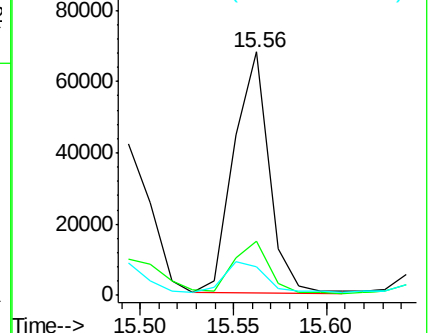
125 11.8 10.0 15.0



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: 3.39 ng

RT: 17.54 min Scan# 1352

Delta R.T. -0.05 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

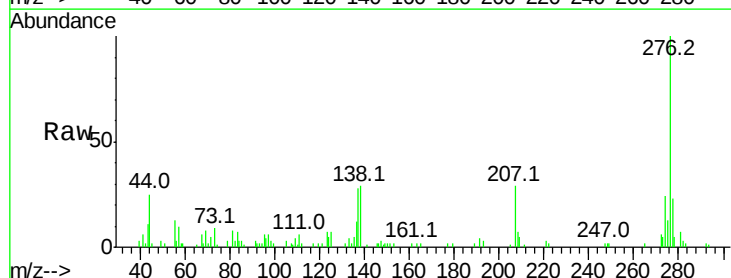
Tgt Ion:276 Resp: 50666

Ion Ratio Lower Upper

276 100

277 22.6 19.2 28.8

138 28.7 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

