

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092594.D
 Acq On : 27 Jan 2017 23:43
 Operator : SJ/MA
 Sample : I1448-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-BL-01-0-2

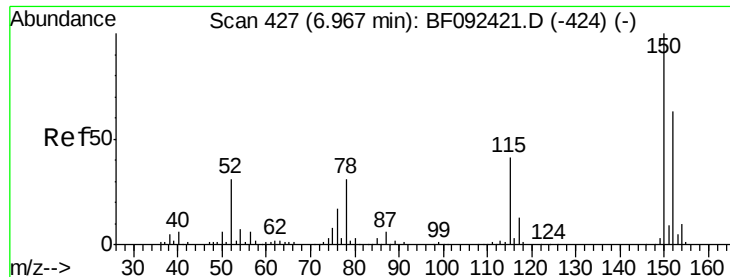
Quant Time: Jan 28 04:13:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	179963	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	695636	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	331415	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	446552	20.00	ng	0.00
75) Chrysene-d12	14.17	240	359775	20.00	ng	0.00
86) Perylene-d12	15.67	264	268785	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1468162	126.93	ng	0.05
7) Phenol-d6	6.62	99	1812475	123.02	ng	0.03
23) Nitrobenzene-d5	7.55	82	1324547	104.01	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	305946	135.47	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	2022664	112.86	ng	0.00
78) Terphenyl-d14	13.12	244	1308674	96.86	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.64	94	135314	7.61	ng	# 74
19) n-Nitroso-di-n-propylamine	7.54	70	177541	17.70	ng	# 83
25) Isophorone	7.55	82	1154860	46.02	ng	# 65
49) Dimethylphthalate	9.74	163	351825	16.69	ng	100
56) 2,4-Dinitrotoluene	10.03	165	47682	8.34	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.83	198	800	5.25	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	23922	5.31	ng	# 1
70) Phenanthrene	11.55	178	112059	4.56	ng	96
74) Fluoranthene	12.74	202	246143	10.23	ng	95
77) Pyrene	12.97	202	207581	7.96	ng	98
80) Benzo(a)anthracene	14.16	228	71001	3.67	ng	# 93
82) Chrysene	14.19	228	89516	4.34	ng	# 96
87) Benzo(b)fluoranthene	15.22	252	104020	6.03	ng	# 74
88) Benzo(k)fluoranthene	15.22	252	103815	7.24	ng	# 73
89) Benzo(a)pyrene	15.60	252	45664	3.13	ng	# 67
91) Benzo(g,h,i)perylene	17.62	276	28702	2.40	ng	# 66

(#) = 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

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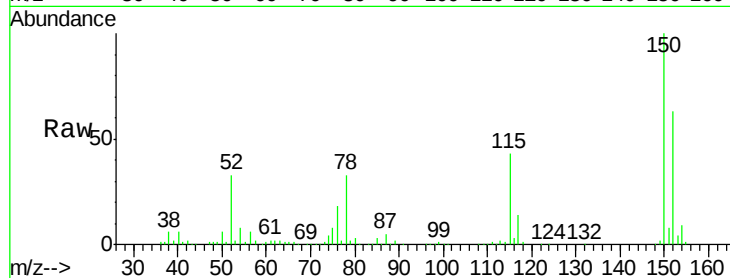
Tgt Ion:152 Resp: 179963

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

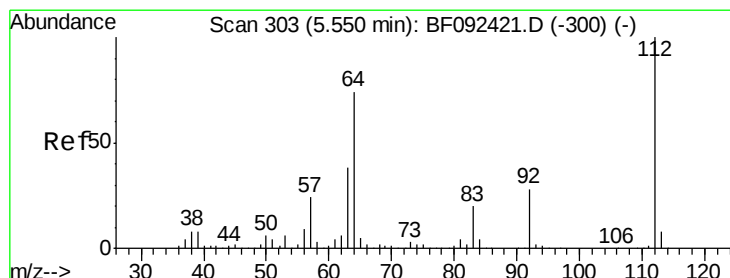
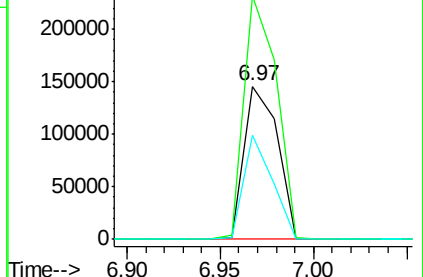
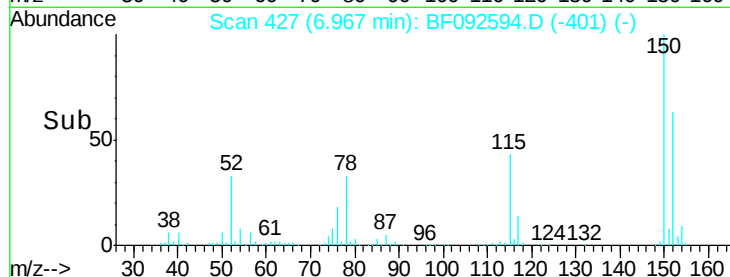
115 68.4 46.0 69.0



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: 126.93 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092594.D

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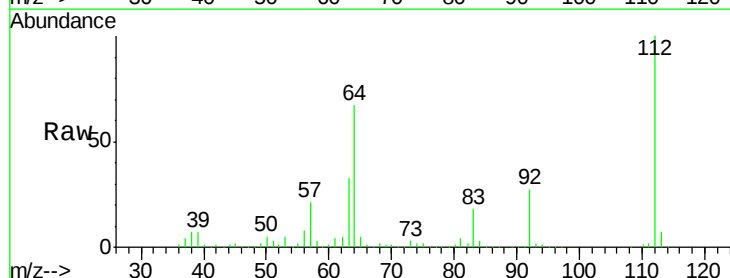
Tgt Ion:112 Resp: 1468162

Ion Ratio Lower Upper

112 100

64 66.7 46.1 69.1

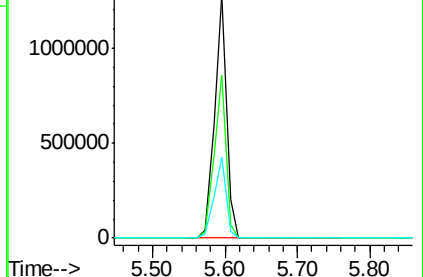
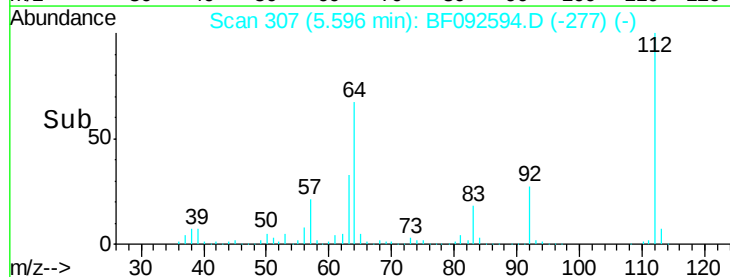
63 33.4 23.8 35.6

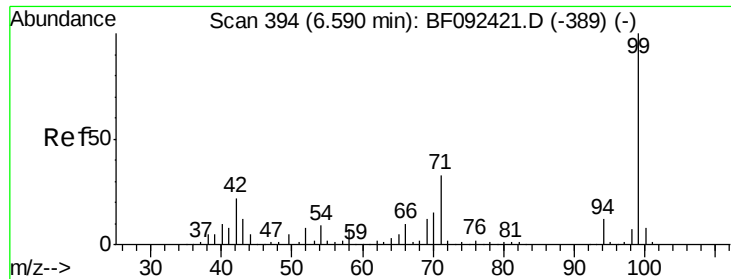


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.02 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092594.D

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Instrument :

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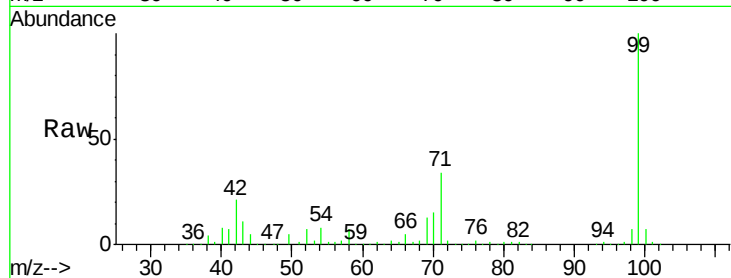
Tgt Ion: 99 Resp: 1812475

Ion Ratio Lower Upper

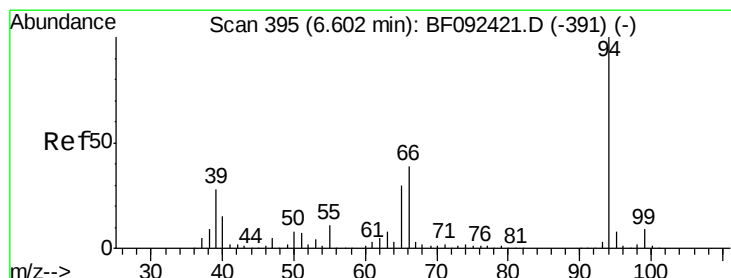
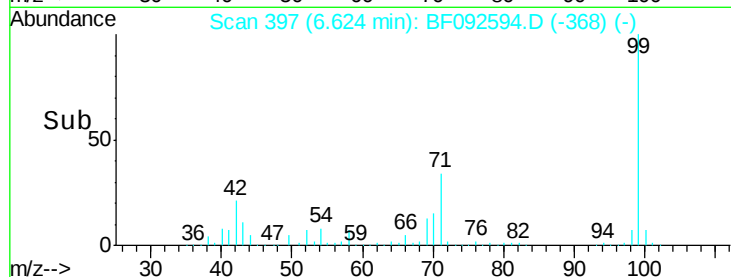
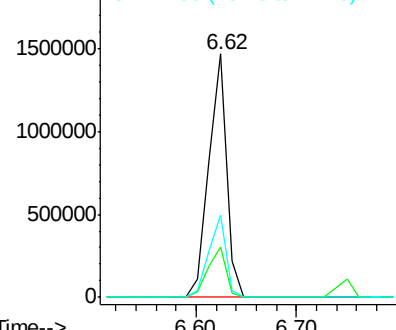
99 100

42 20.9 15.6 23.4

71 33.7 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: 7.61 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.03 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

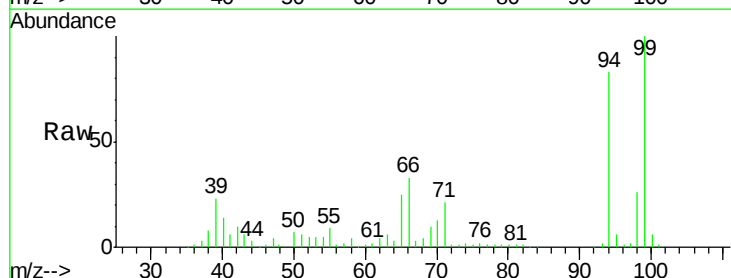
Tgt Ion: 94 Resp: 135314

Ion Ratio Lower Upper

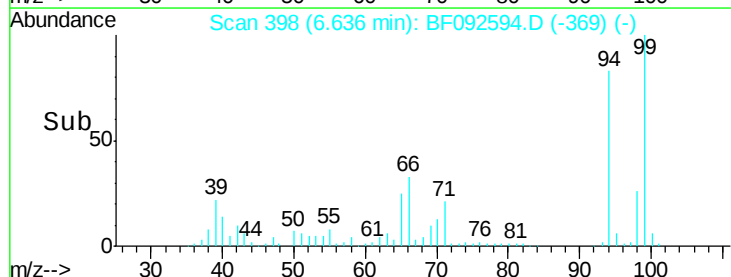
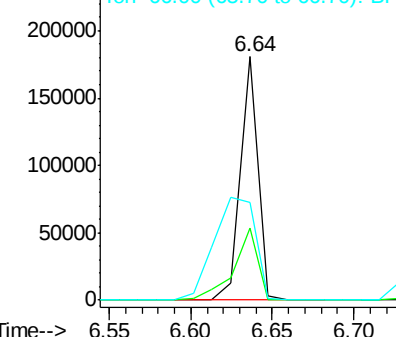
94 100

65 29.6 21.4 61.4

66 40.2 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

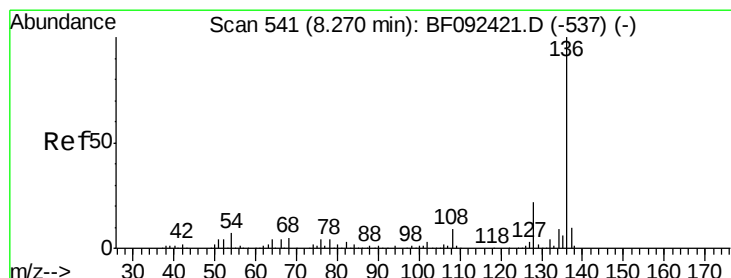
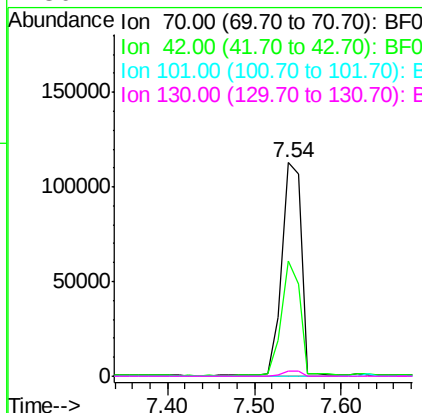
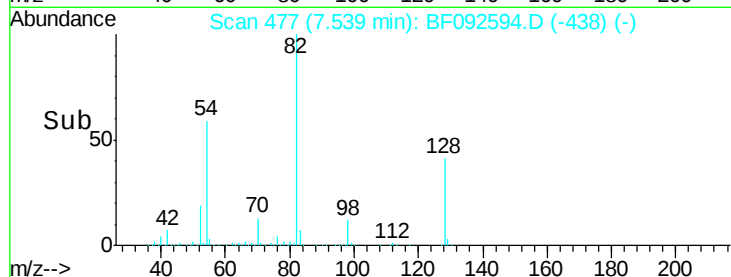
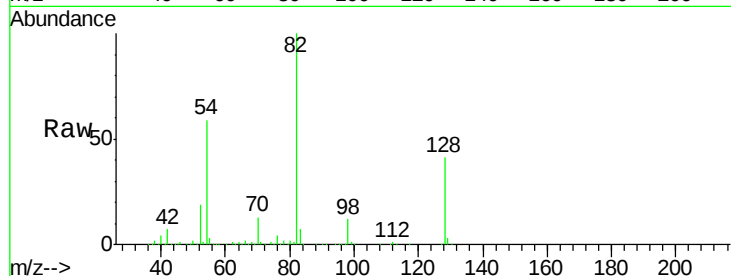




#19
n-Nitroso-di-n-propylamine
Concen: 17.70 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.15 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

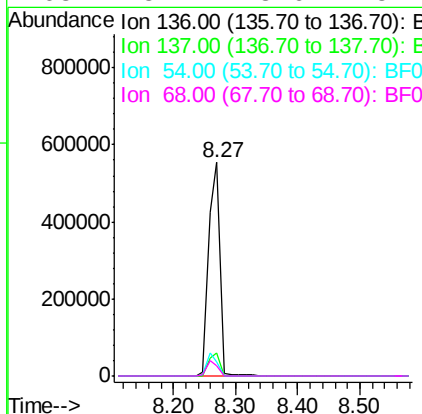
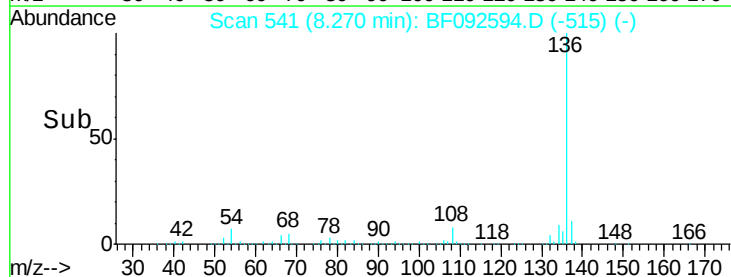
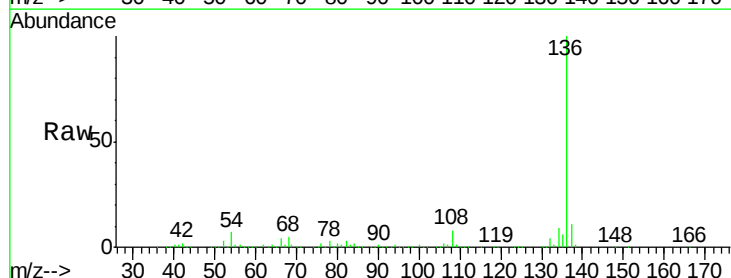
Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

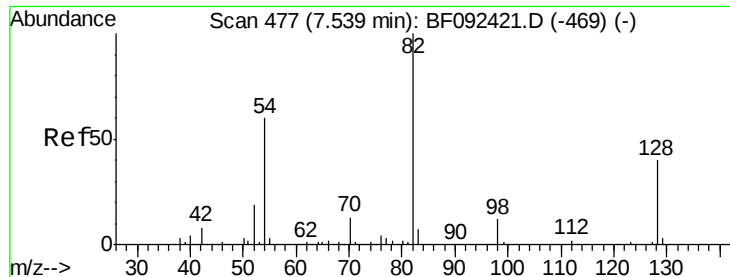
Tgt Ion: 70 Resp: 177541
Ion Ratio Lower Upper
70 100
42 53.9 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion: 136 Resp: 695636
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.7 4.5 6.7
68 5.1 3.6 5.4

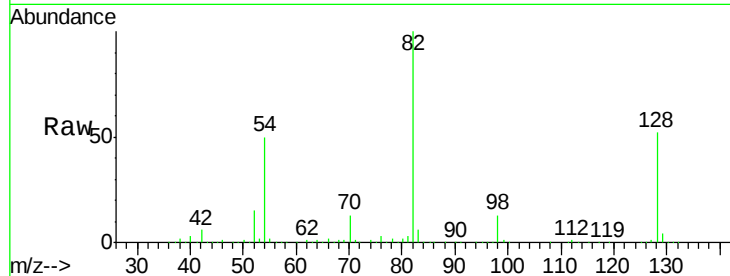




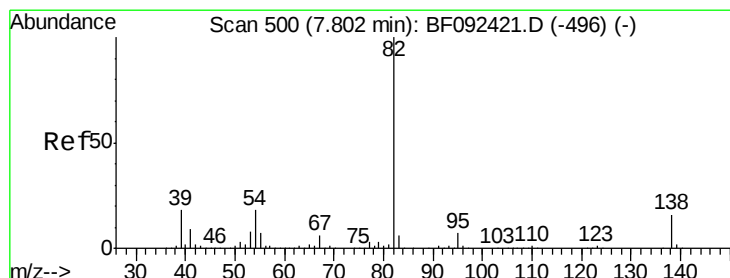
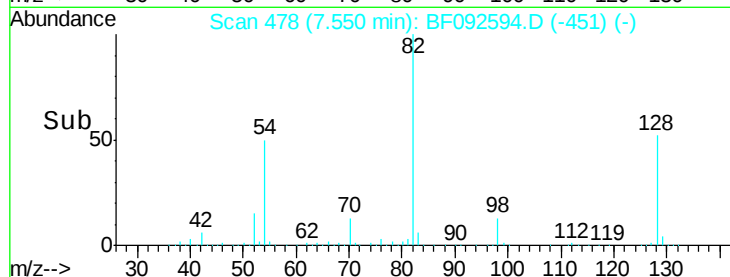
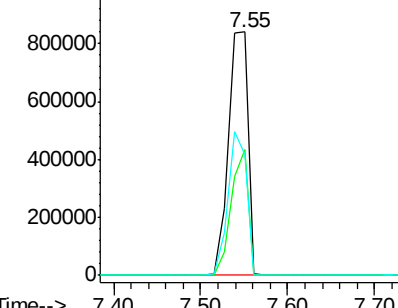
#23
Nitrobenzene-d5
Concen: 104.01 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

Tgt Ion: 82 Resp: 1324547
Ion Ratio Lower Upper
82 100
128 51.6 34.6 52.0
54 49.8 39.5 59.3

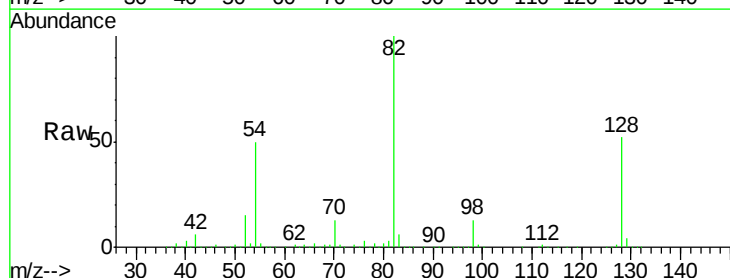


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

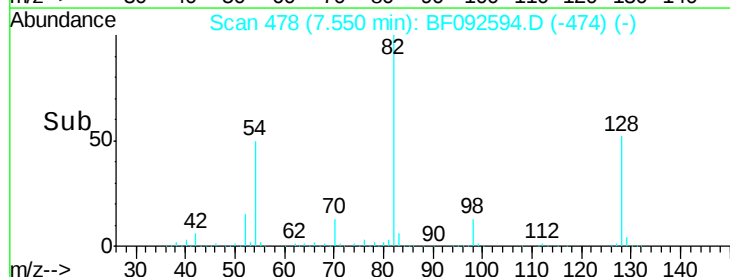
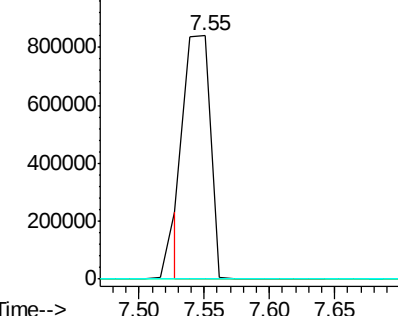


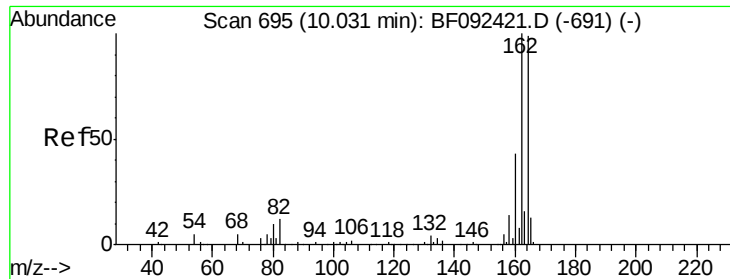
#25
Isophorone
Concen: 46.02 ng
RT: 7.55 min Scan# 478
Delta R.T. -0.25 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion: 82 Resp: 1154860
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

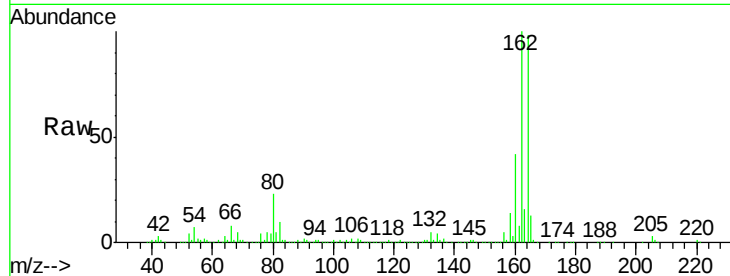




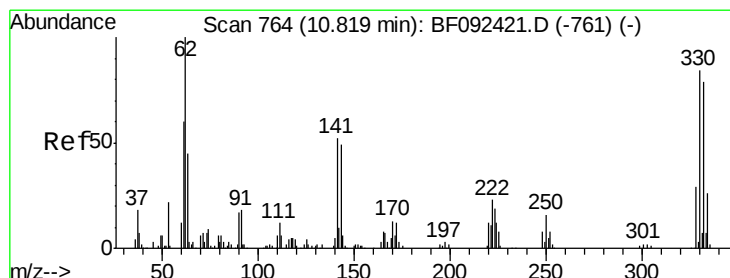
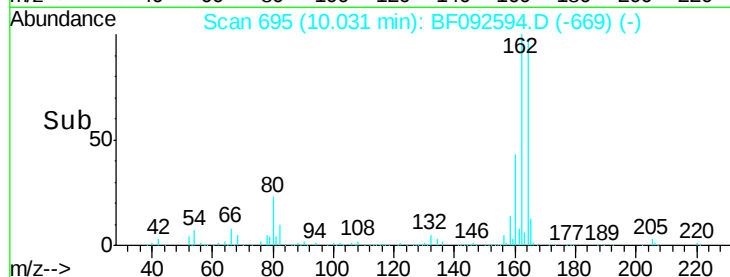
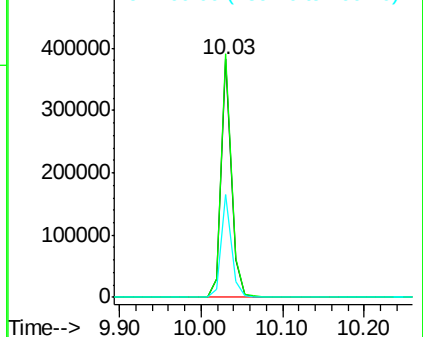
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 331415
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.4 36.9 55.3

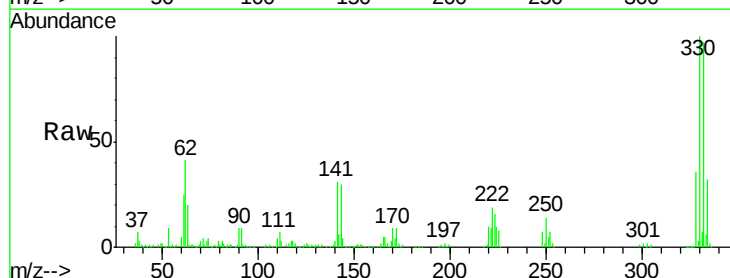


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

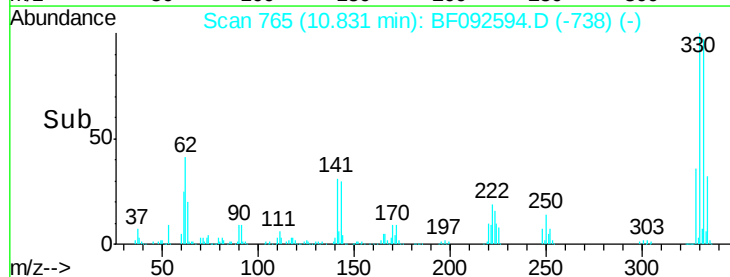
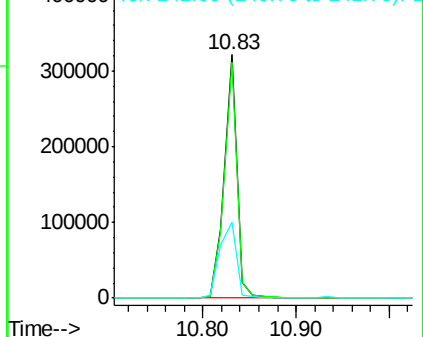


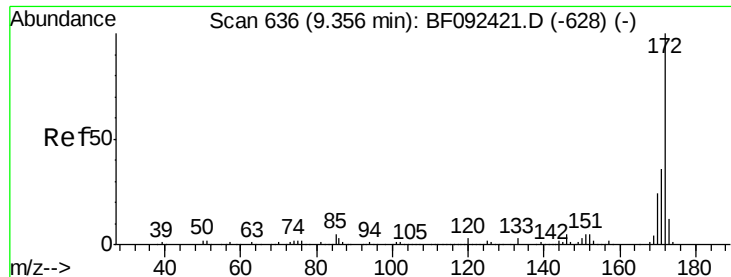
#41
2,4,6-Tribromophenol
Concen: 135.47 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:330 Resp: 305946
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 40.6 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

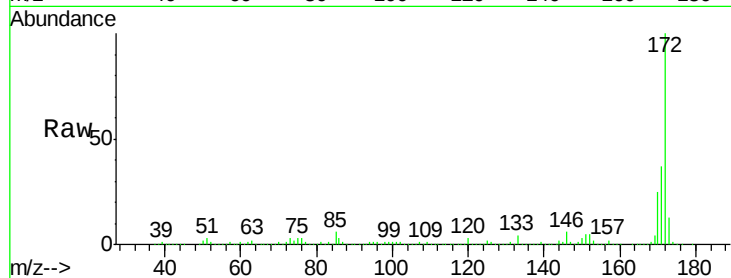




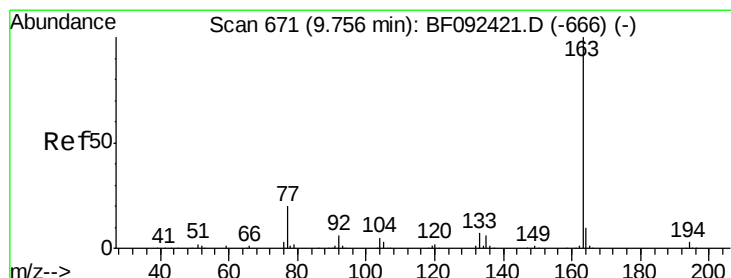
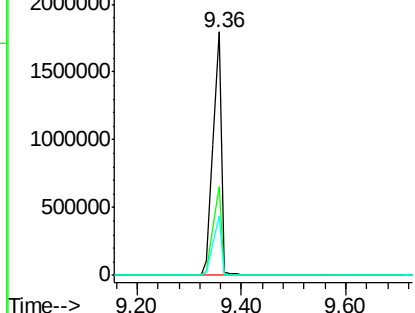
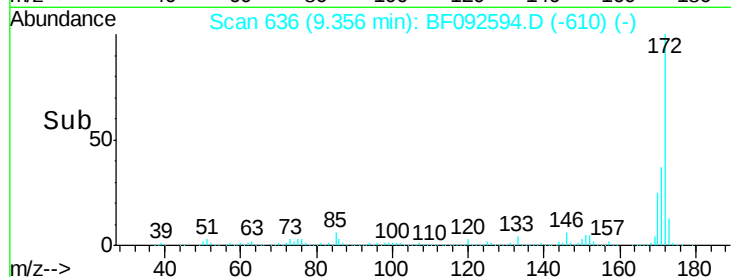
#44
2-Fluorobiphenyl
Concen: 112.86 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

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ClientSampleId :
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Tgt Ion:172 Resp: 2022664
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.6 20.2 30.4

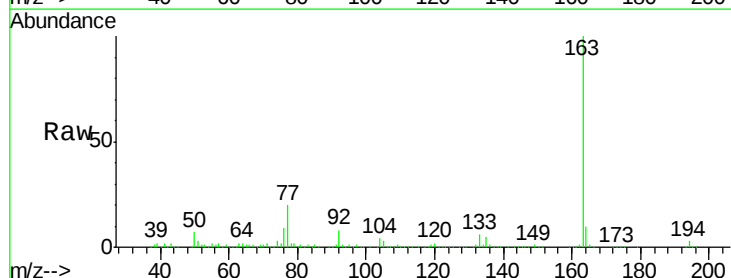


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

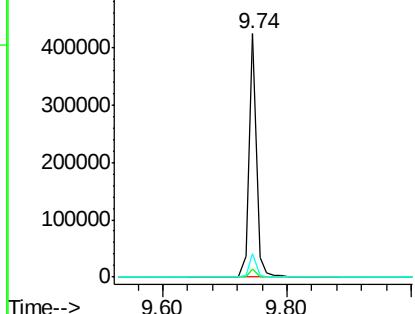
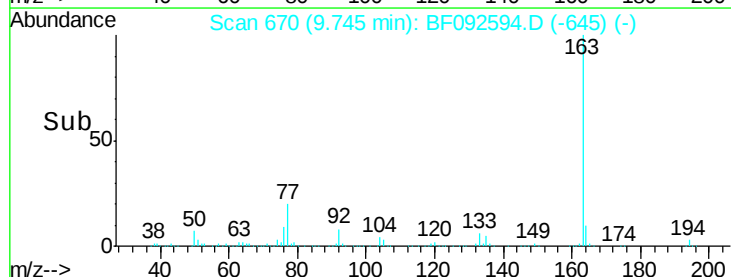


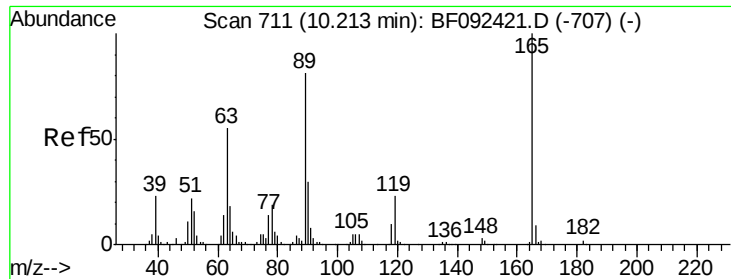
#49
Dimethylphthalate
Concen: 16.69 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:163 Resp: 351825
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.9 8.0 12.0



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

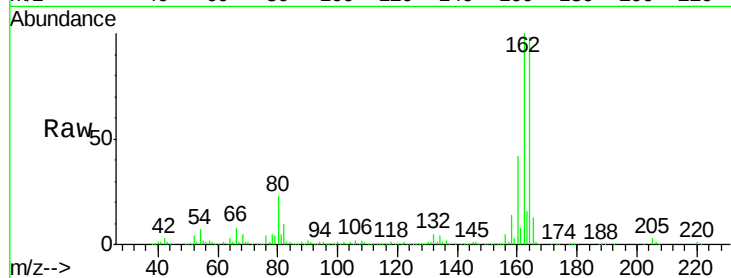




#56
 2,4-Dinitrotoluene
 Concen: 8.34 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
 CHA-BL-01-0-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#

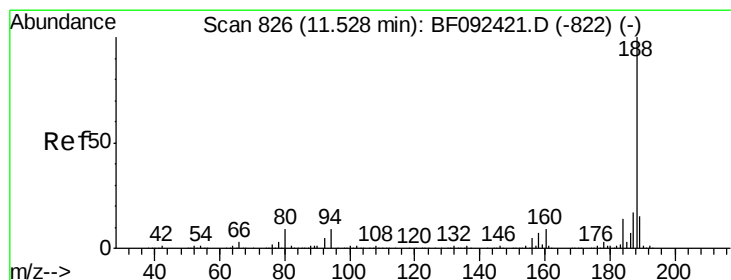
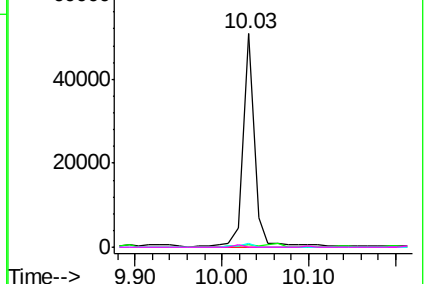
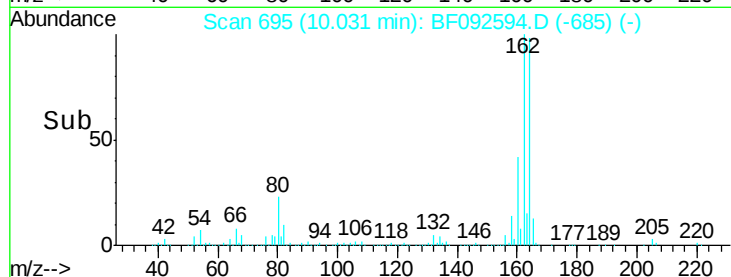


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

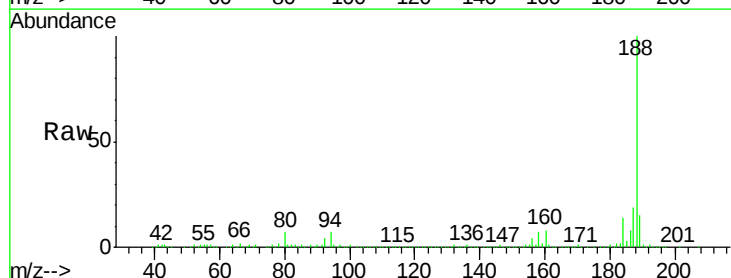
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

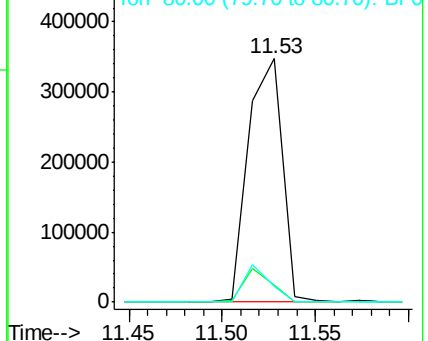
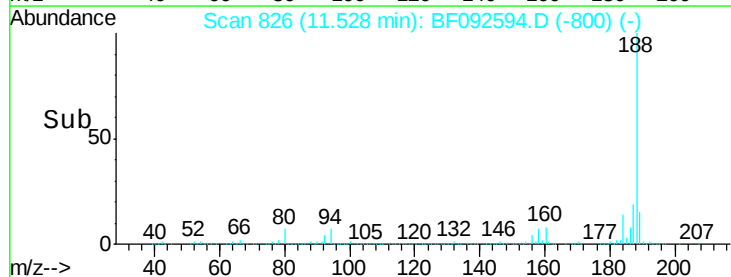
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	10.0	15.0#
80	6.7	11.2	16.8#

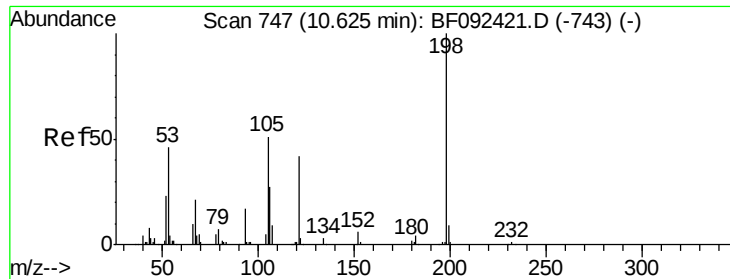


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

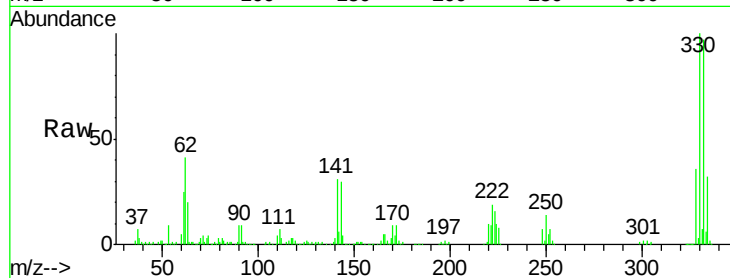




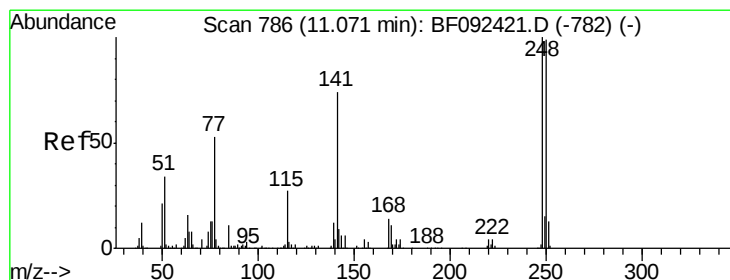
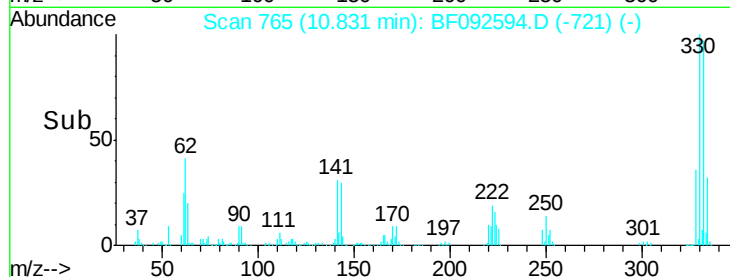
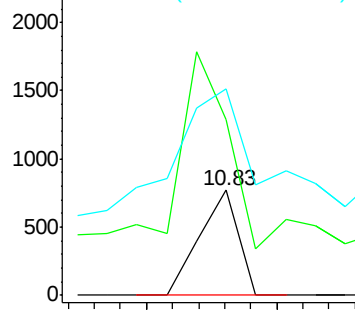
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.25 ng
 RT: 10.83 min Scan# 765
 Delta R.T. 0.21 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
 CHA-BL-01-0-2

Tgt Ion:198 Resp: 800
 Ion Ratio Lower Upper
 198 100
 51 167.3 6.7 46.7#
 105 197.3 16.6 56.6#

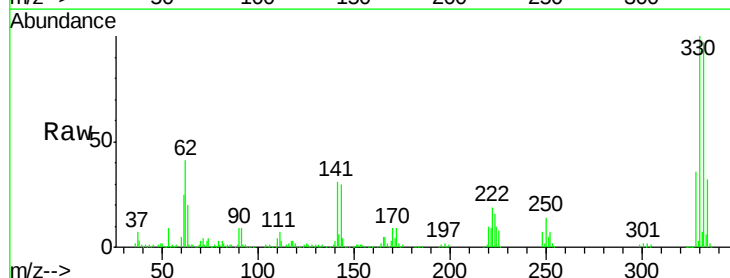


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

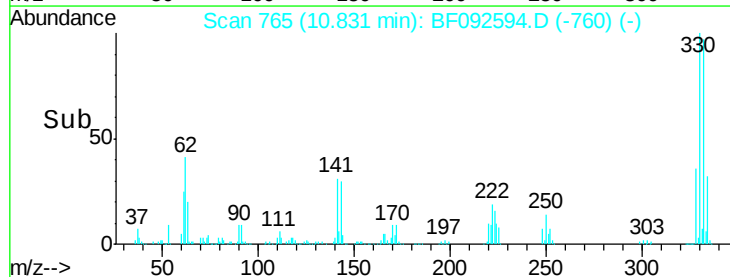
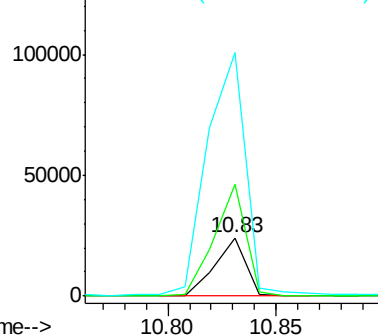


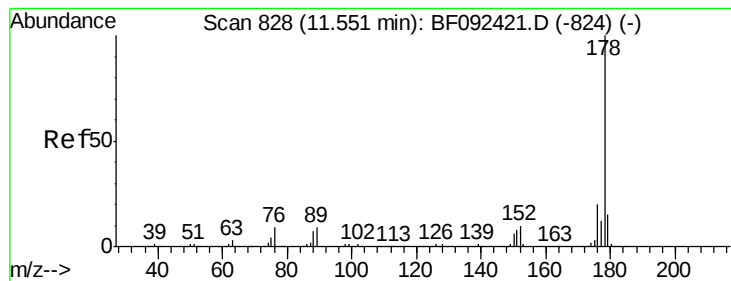
#66
 4-Bromophenyl-phenylether
 Concen: 5.31 ng
 RT: 10.83 min Scan# 765
 Delta R.T. -0.24 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

Tgt Ion:248 Resp: 23922
 Ion Ratio Lower Upper
 248 100
 250 191.8 76.9 115.3#
 141 417.9 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: 4.56 ng

RT: 11.55 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

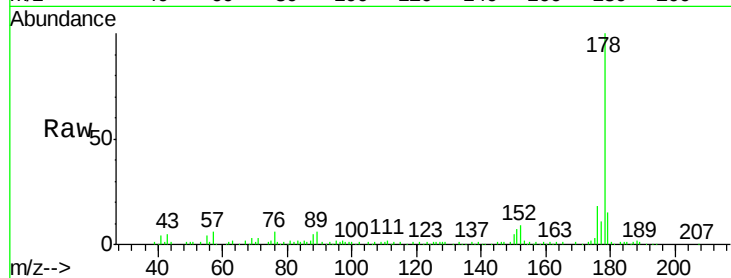
Tgt Ion:178 Resp: 112059

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

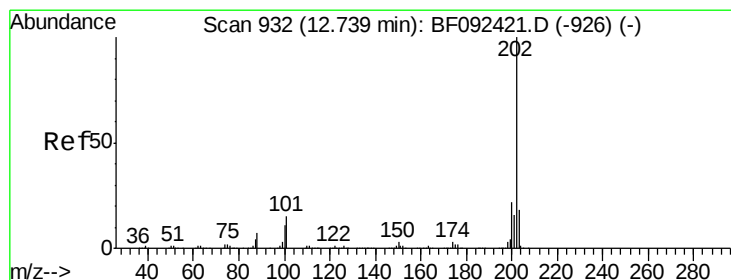
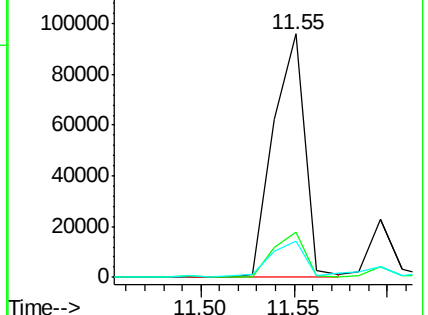
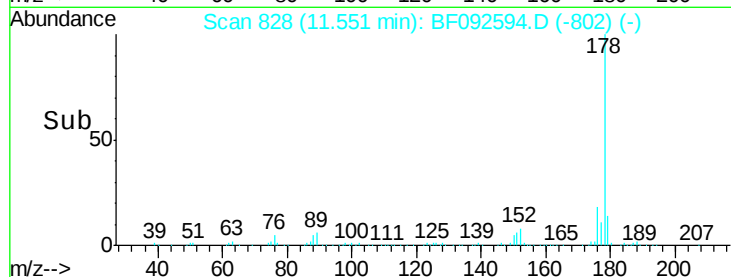
179 14.7 12.8 19.2



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: 10.23 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

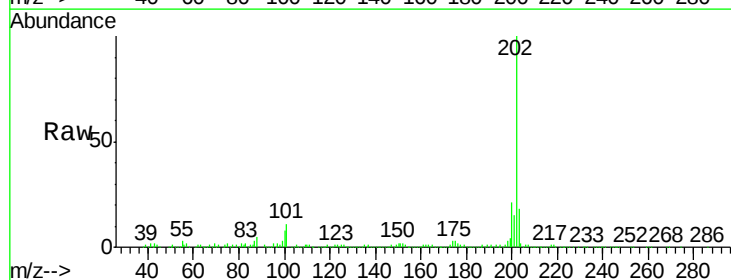
Tgt Ion:202 Resp: 246143

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.6

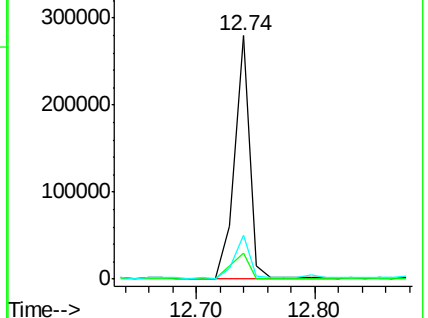
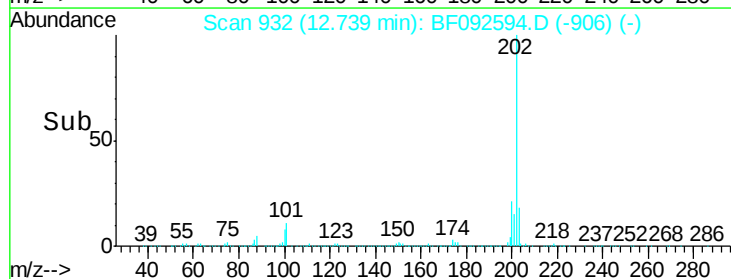
203 17.9 0.0 38.7

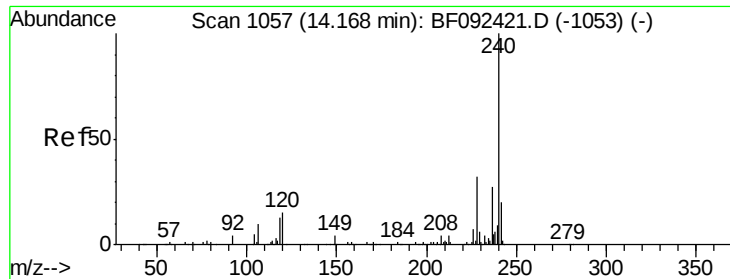


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

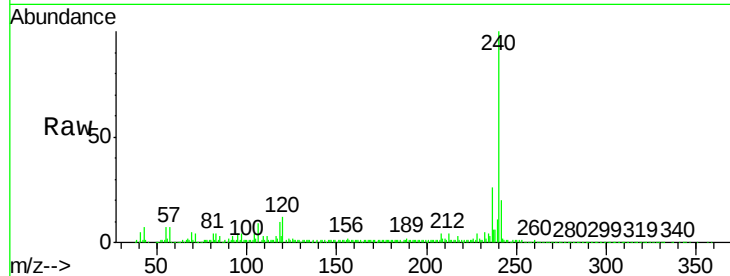
Tgt Ion:240 Resp: 359775

Ion Ratio Lower Upper

240 100

120 12.4 12.9 19.3#

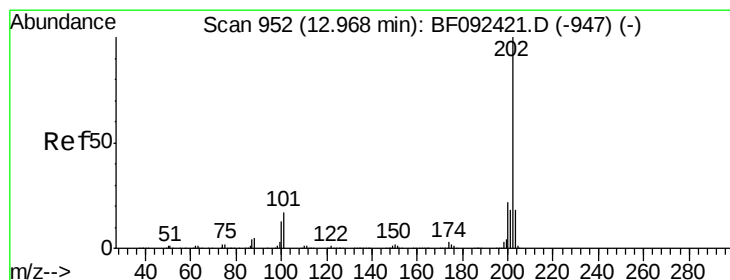
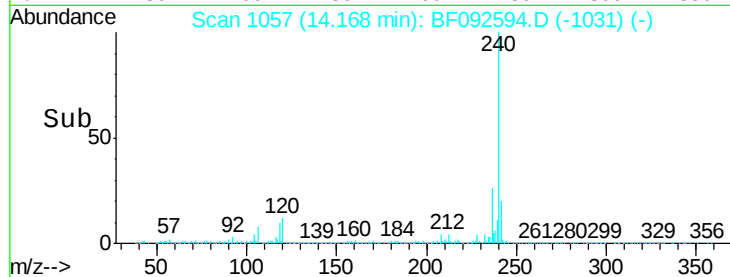
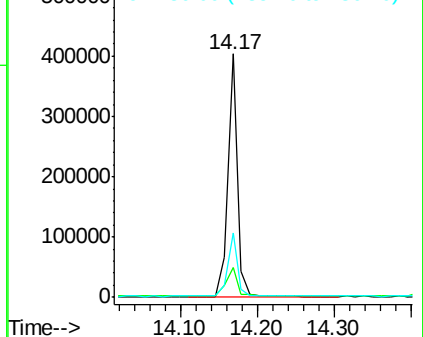
236 26.2 20.9 31.3



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: 7.96 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

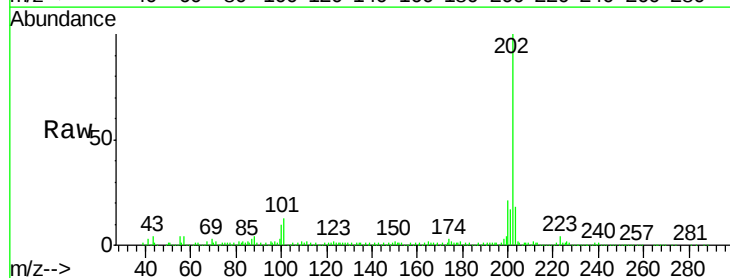
Tgt Ion:202 Resp: 207581

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

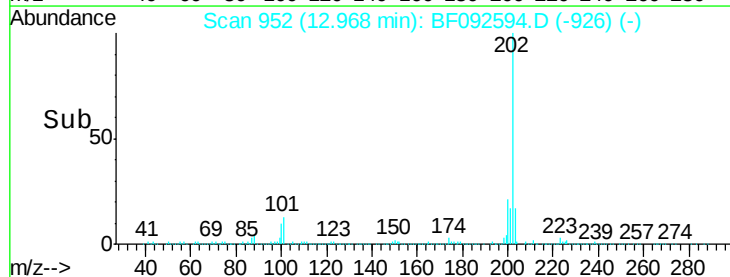
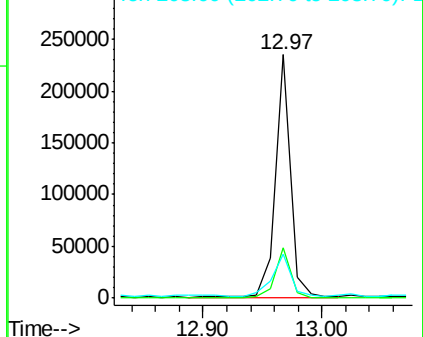
203 18.0 14.7 22.1

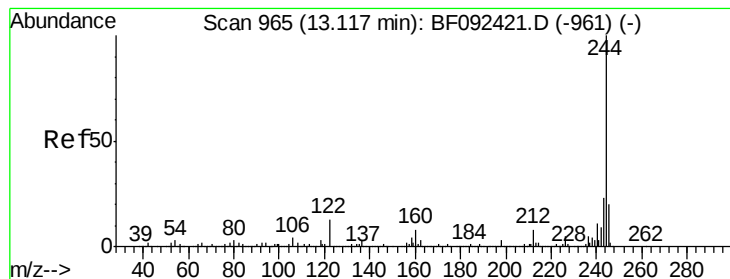


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 96.86 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

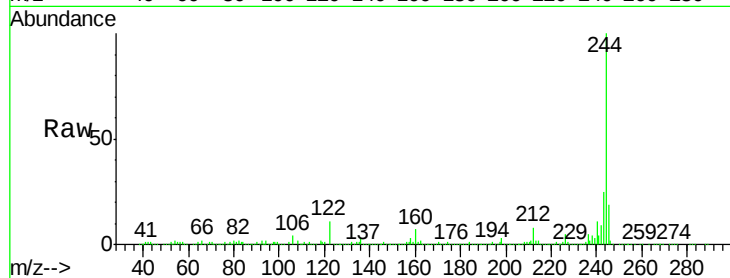
Tgt Ion:244 Resp: 1308674

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

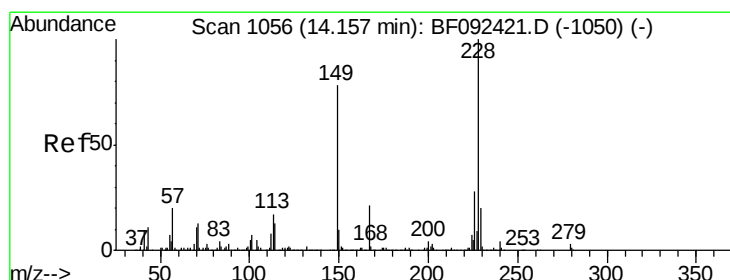
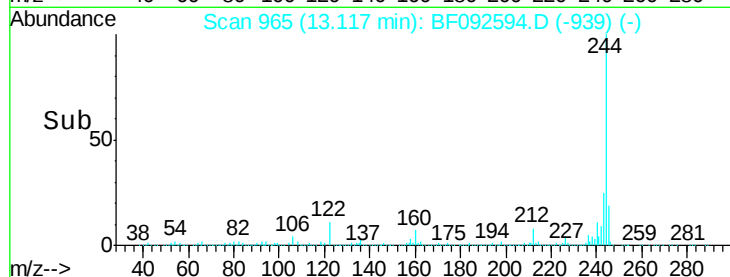
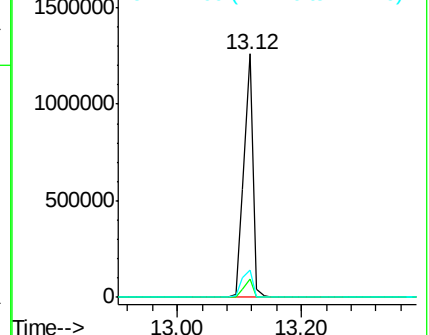
122 11.2 11.4 17.2#



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: 3.67 ng

RT: 14.16 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

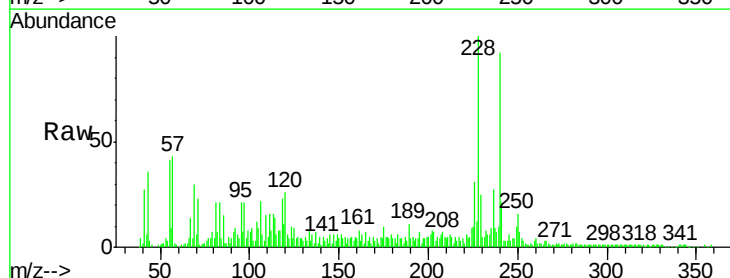
Tgt Ion:228 Resp: 71001

Ion Ratio Lower Upper

228 100

226 31.2 22.4 33.6

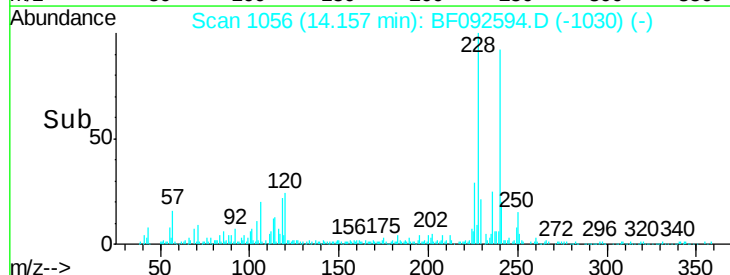
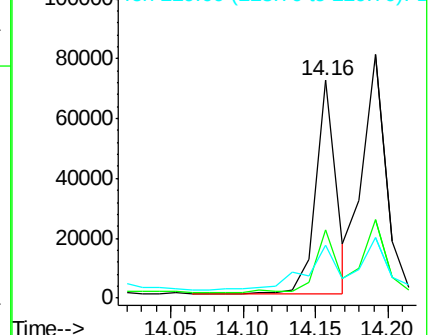
229 24.5 16.2 24.4#

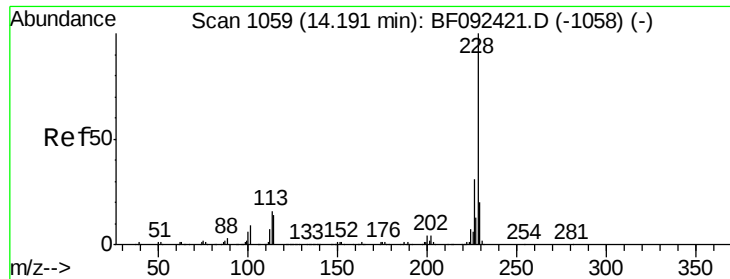


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.34 ng

RT: 14.19 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

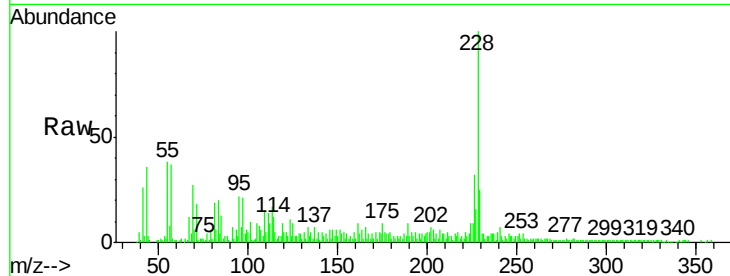
Tgt Ion:228 Resp: 89516

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

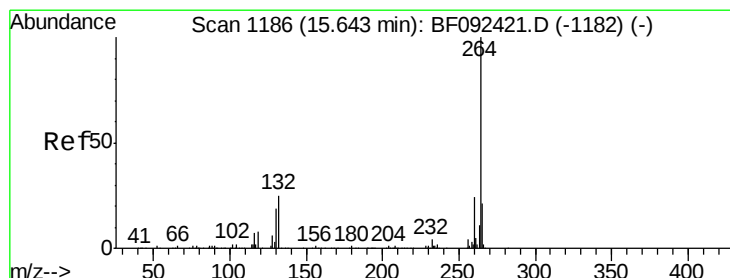
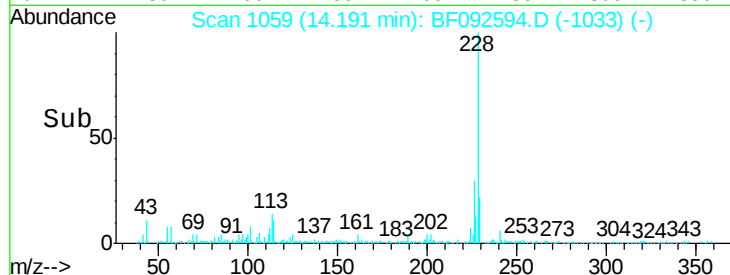
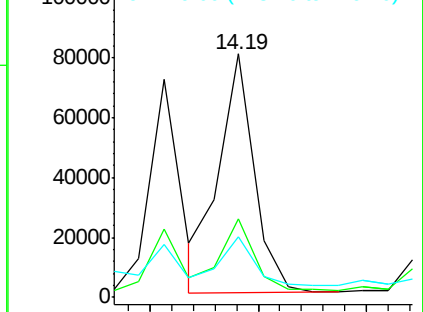
229 24.7 16.2 24.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 1188

Delta R.T. 0.02 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

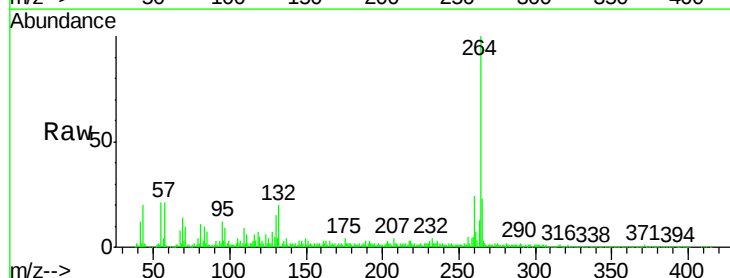
Tgt Ion:264 Resp: 268785

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

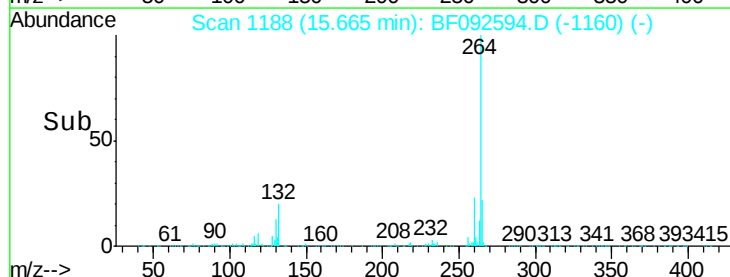
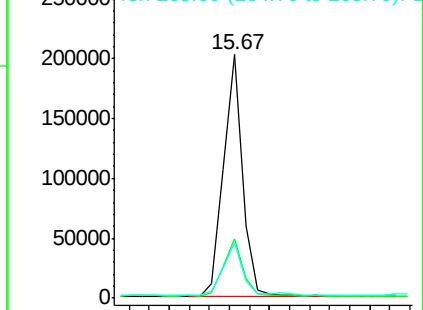
265 23.0 17.4 26.0

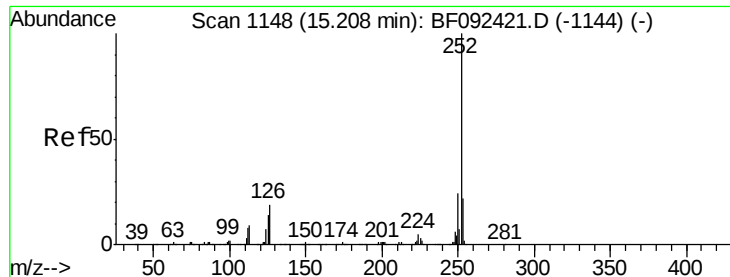


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.03 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

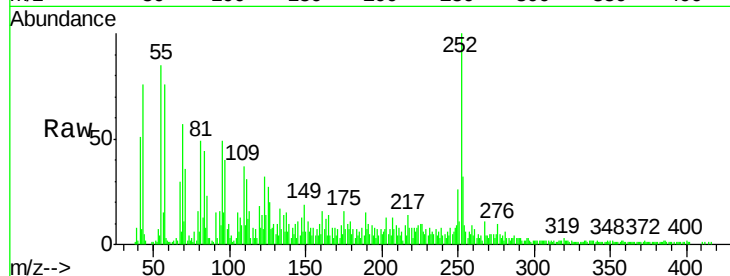
Tgt Ion:252 Resp: 104020

Ion Ratio Lower Upper

252 100

253 32.4 18.2 27.4#

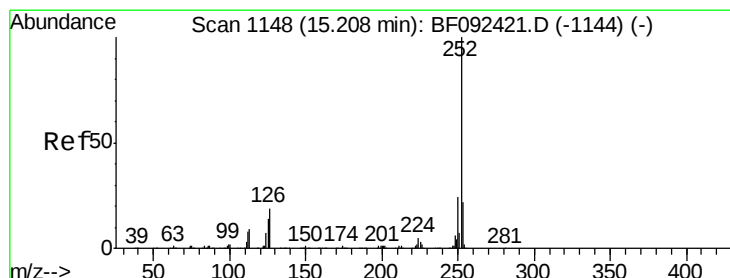
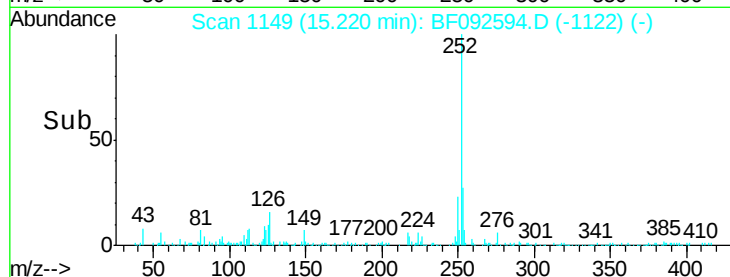
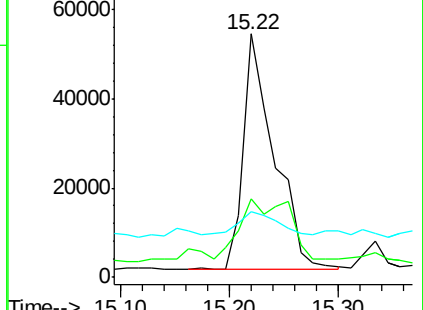
125 27.2 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.24 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

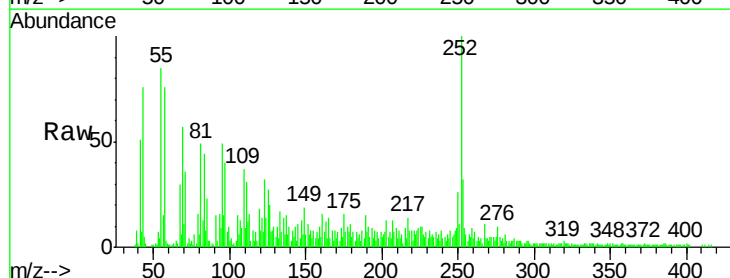
Tgt Ion:252 Resp: 103815

Ion Ratio Lower Upper

252 100

253 32.4 18.5 27.7#

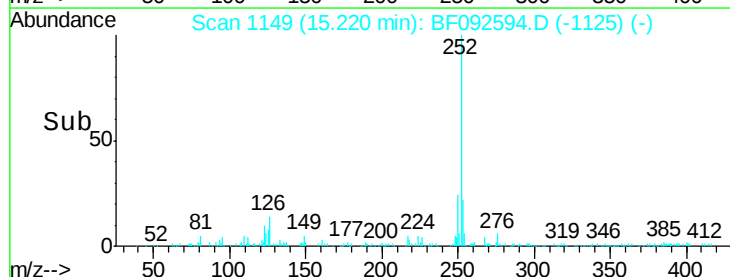
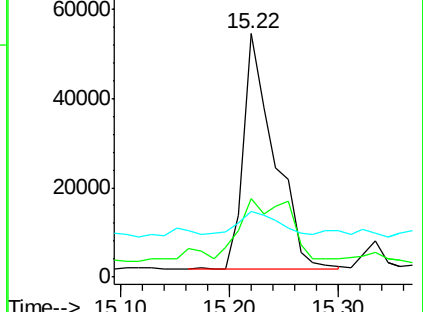
125 27.2 8.9 13.3#

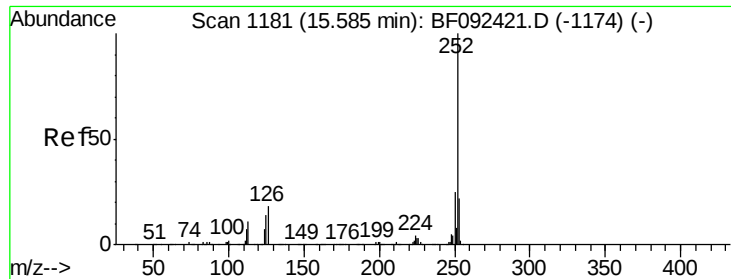


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.13 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

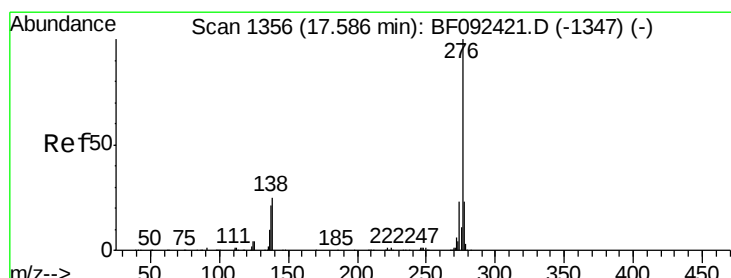
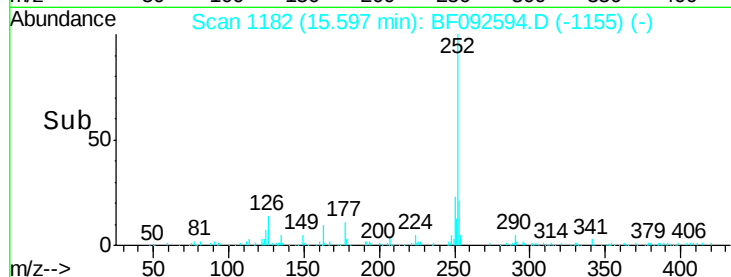
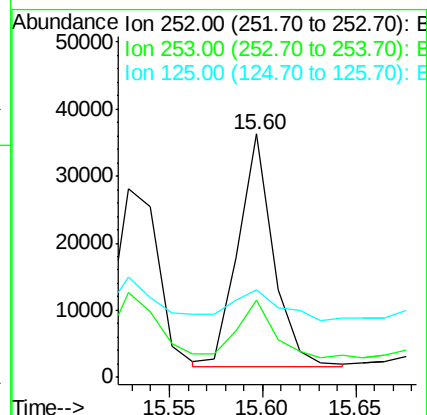
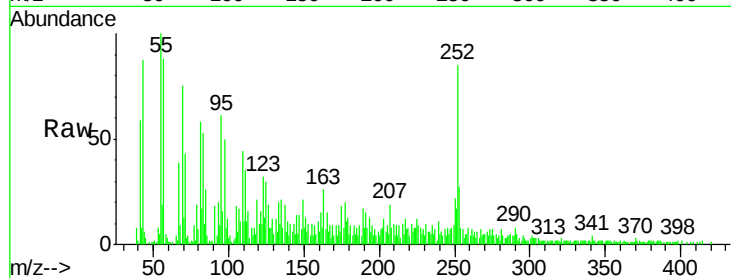
Tgt Ion:252 Resp: 45664

Ion Ratio Lower Upper

252 100

253 31.5 18.2 27.2#

125 35.7 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 2.40 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Tgt Ion:276 Resp: 28702

Ion Ratio Lower Upper

276 100

277 39.7 19.2 28.8#

138 36.8 16.0 24.0#

