

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092524.D
 Acq On : 26 Jan 2017 14:32
 Operator : SJ/MA
 Sample : I1312-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-01-0-2

Quant Time: Jan 27 00:01:40 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

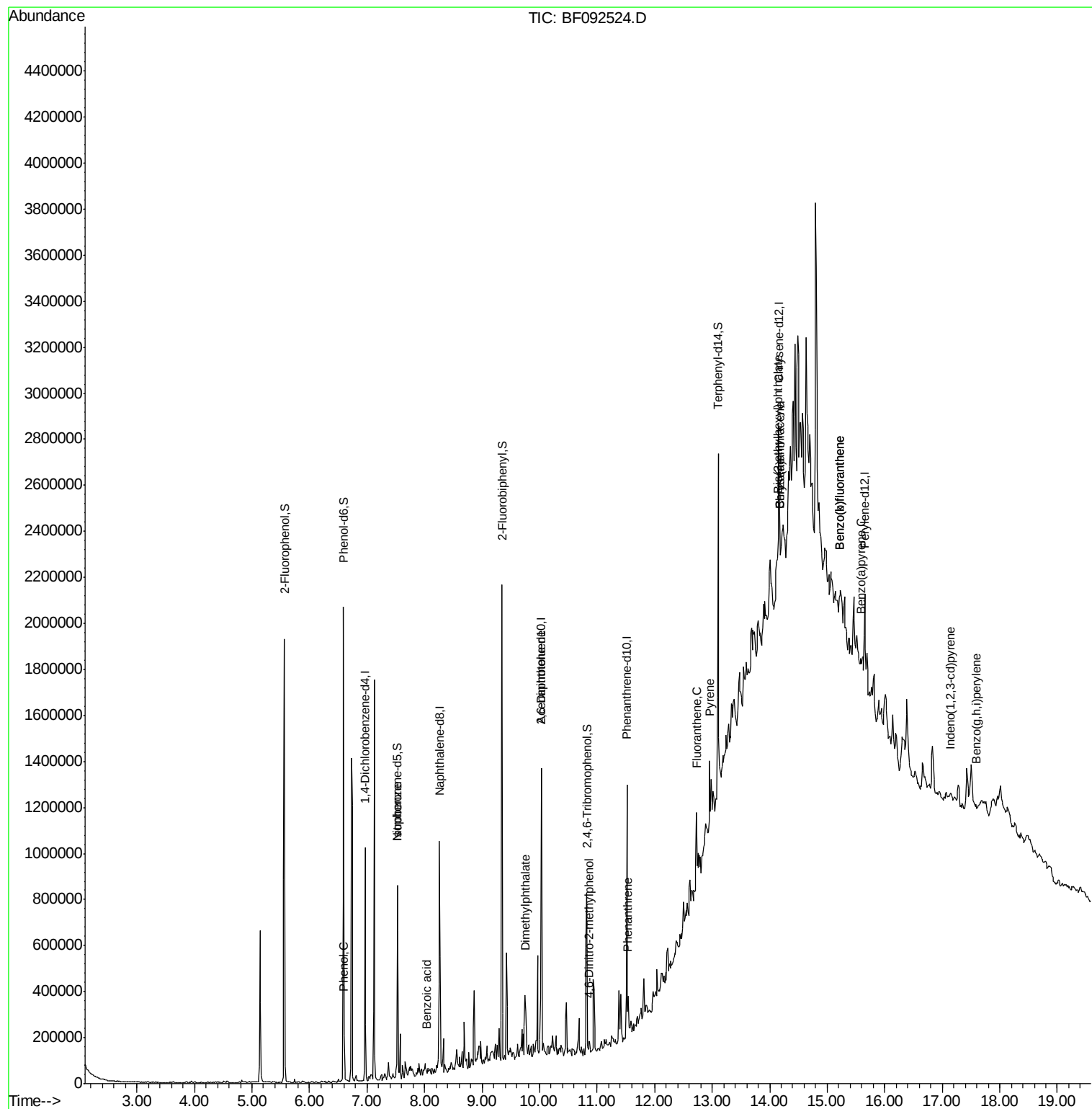
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140223	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	498550	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	248495	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	376274	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	274432	20.00	ng	-0.01
86) Perylene-d12	15.65	264	205733	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	552225	61.27	ng	0.01
7) Phenol-d6	6.59	99	700032	60.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	352430	38.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	95654	56.49	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	572846	42.63	ng	-0.01
78) Terphenyl-d14	13.11	244	460281	44.66	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	40049	2.89	ng	# 67
25) Isophorone	7.53	82	342683	19.05	ng	# 65
32) Benzoic acid	8.04	122	794	4.81	ng	# 23
49) Dimethylphthalate	9.74	163	38996	2.47	ng	# 98
50) 2,6-Dinitrotoluene	10.03	165	34332	10.63	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.85	198	322	5.09	ng	# 1
70) Phenanthrene	11.54	178	61316	2.96	ng	99
74) Fluoranthene	12.73	202	126481	6.24	ng	99
77) Pyrene	12.96	202	115546	5.81	ng	99
80) Benzo(a)anthracene	14.18	228	95548	6.48	ng	# 86
82) Chrysene	14.18	228	95548	6.07	ng	# 90
83) Bis(2-ethylhexyl)phthalate	14.15	149	35093	3.46	ng	# 86
85) Indeno(1,2,3-cd)pyrene	17.14	276	24290	2.08	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	77024	5.83	ng	# 38
88) Benzo(k)fluoranthene	15.22	252	76745	6.99	ng	# 39
89) Benzo(a)pyrene	15.59	252	30001	2.69	ng	# 26
91) Benzo(g,h,i)perylene	17.60	276	24470	2.68	ng	# 62

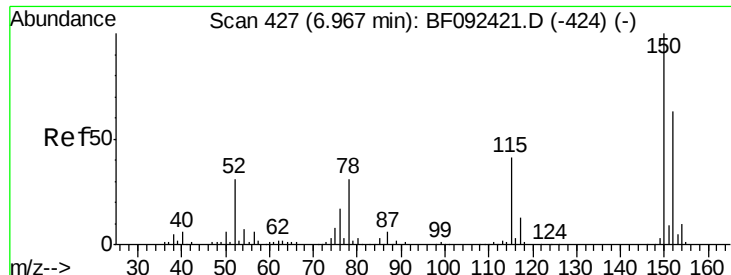
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

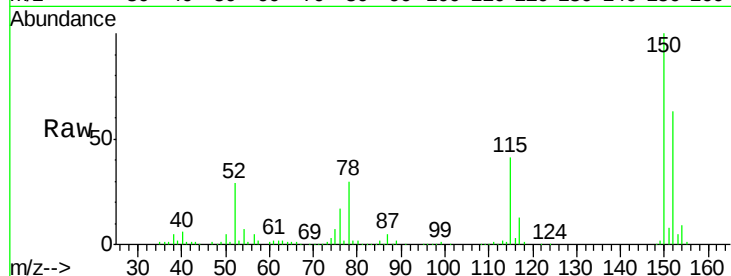
Tgt Ion:152 Resp: 140223

Ion Ratio Lower Upper

152 100

150 157.9 124.9 187.3

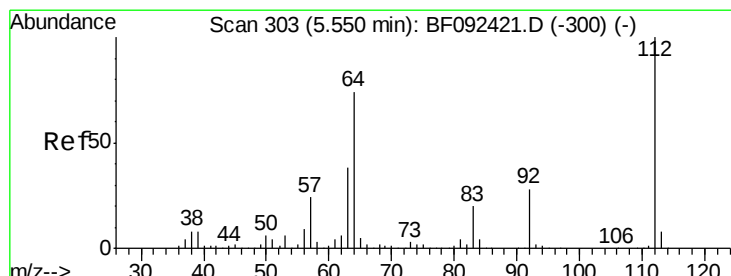
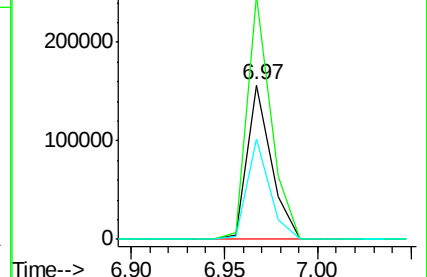
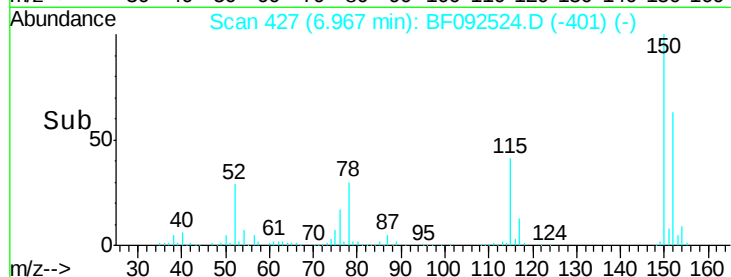
115 64.8 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 61.27 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

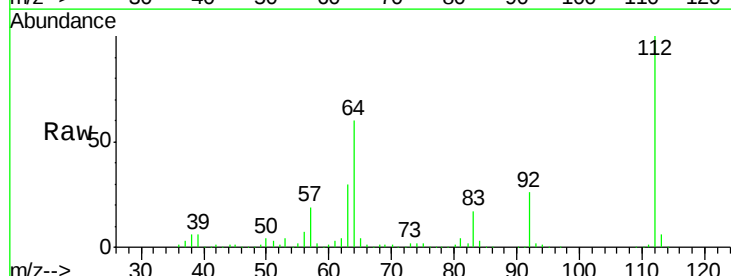
Tgt Ion:112 Resp: 552225

Ion Ratio Lower Upper

112 100

64 60.4 46.1 69.1

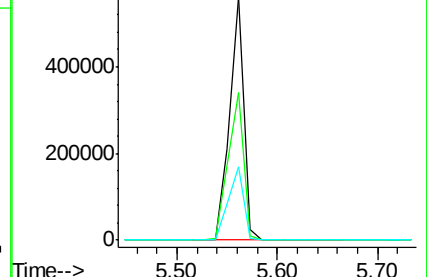
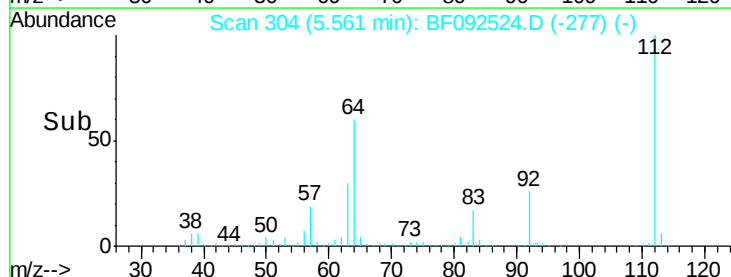
63 30.1 23.8 35.6

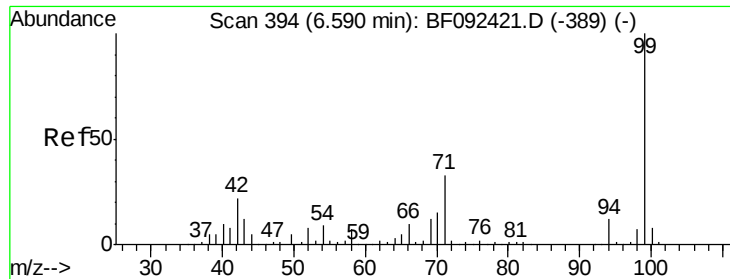


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.98 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

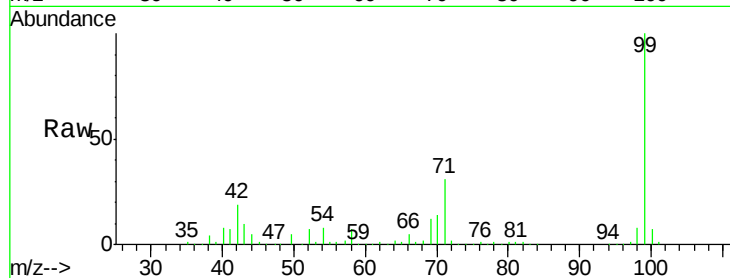
Tgt Ion: 99 Resp: 700032

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

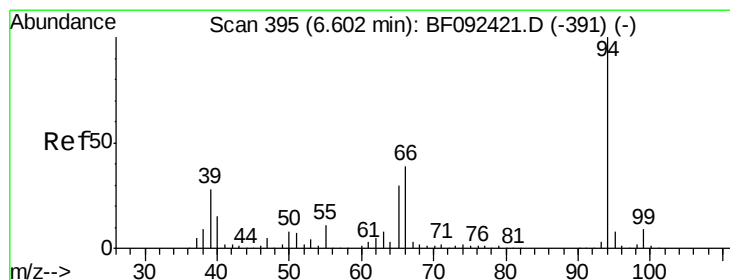
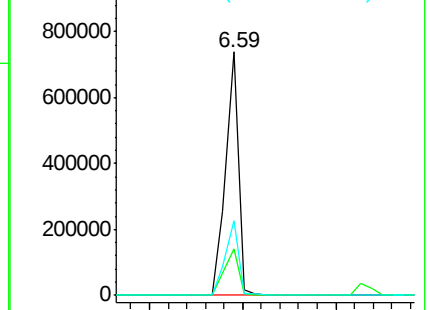
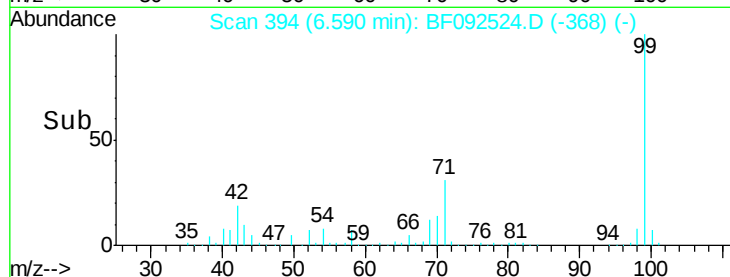
71 30.6 27.5 41.3



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: 2.89 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

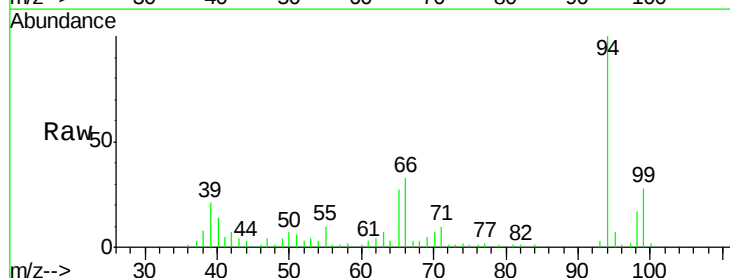
Tgt Ion: 94 Resp: 40049

Ion Ratio Lower Upper

94 100

65 26.6 21.4 61.4

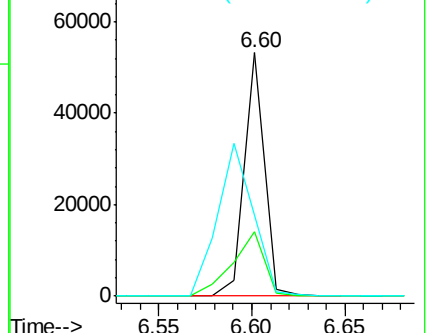
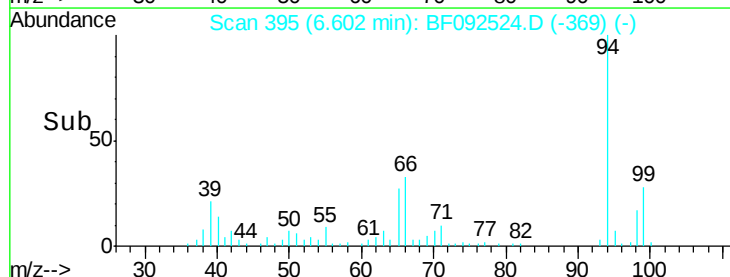
66 33.5 44.0 84.0#

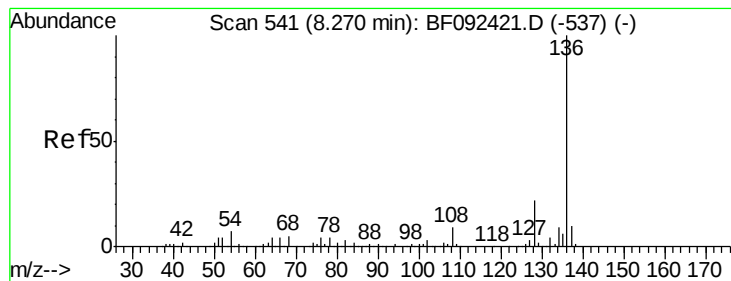


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

Tgt Ion:136 Resp: 498550

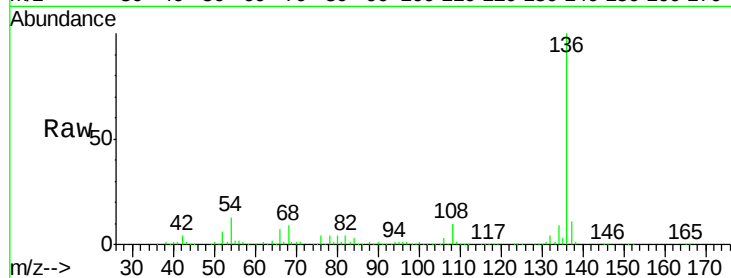
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 12.9 4.5 6.7#

68 8.8 3.6 5.4#

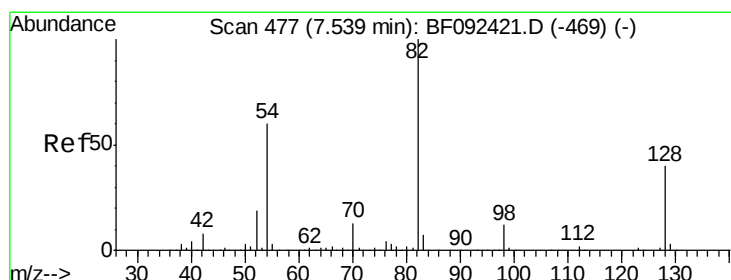
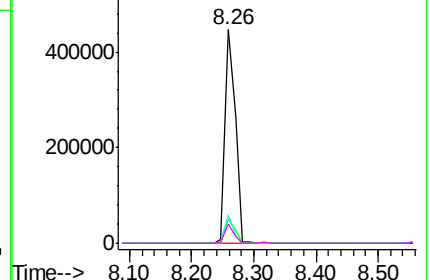
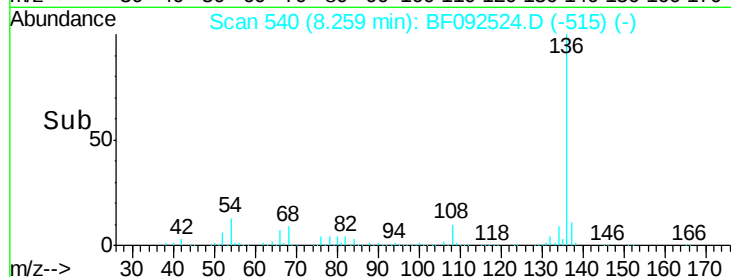


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.62 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

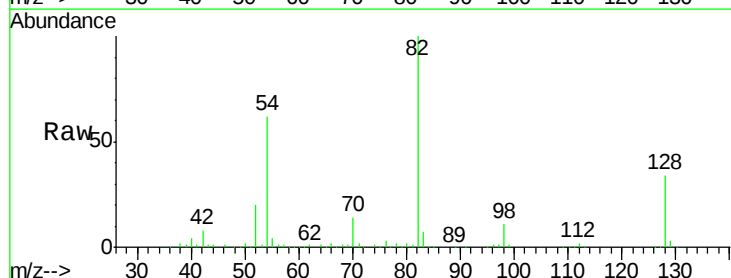
Tgt Ion: 82 Resp: 352430

Ion Ratio Lower Upper

82 100

128 33.9 34.6 52.0#

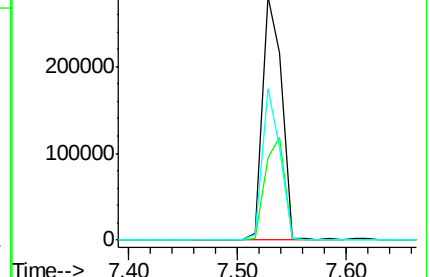
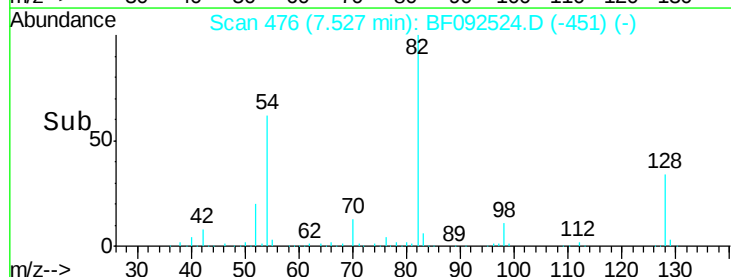
54 62.4 39.5 59.3#

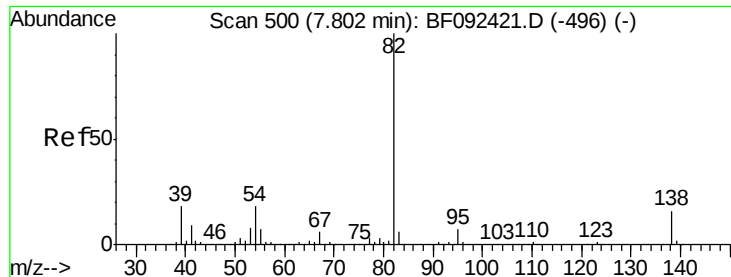


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 19.05 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

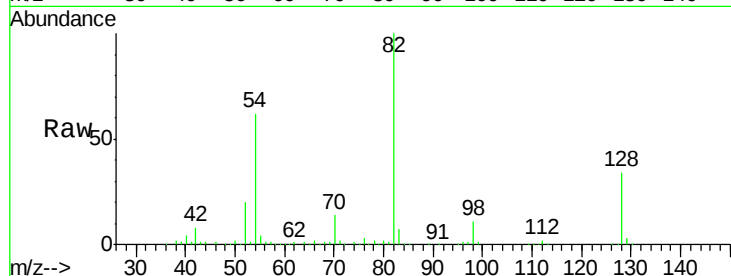
Tgt Ion: 82 Resp: 342683

Ion Ratio Lower Upper

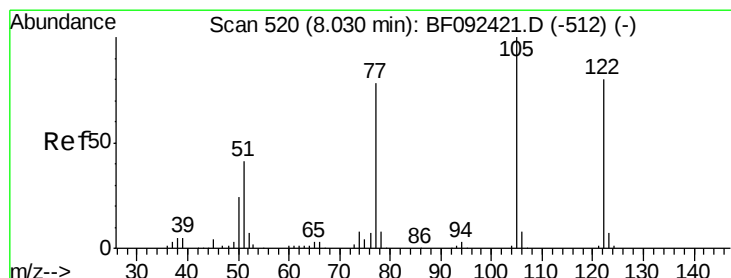
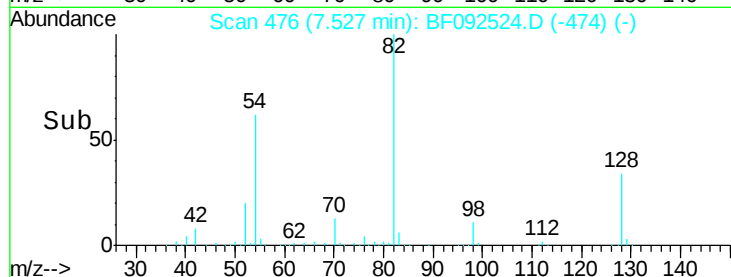
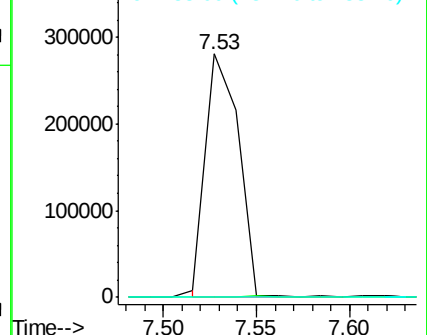
82 100

95 0.3 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



#32

Benzoic acid

Concen: 4.81 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

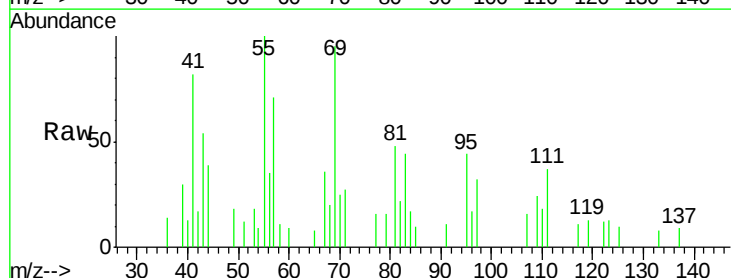
Tgt Ion: 122 Resp: 794

Ion Ratio Lower Upper

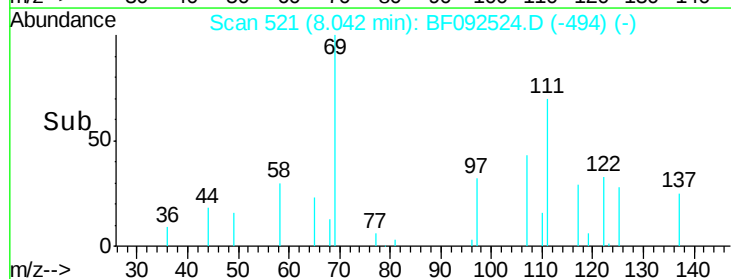
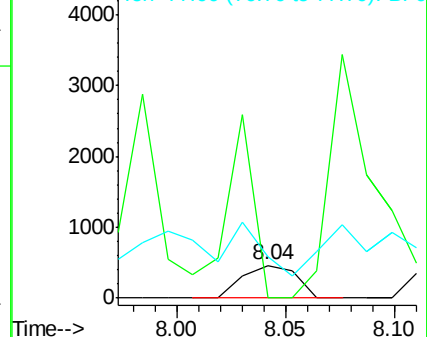
122 100

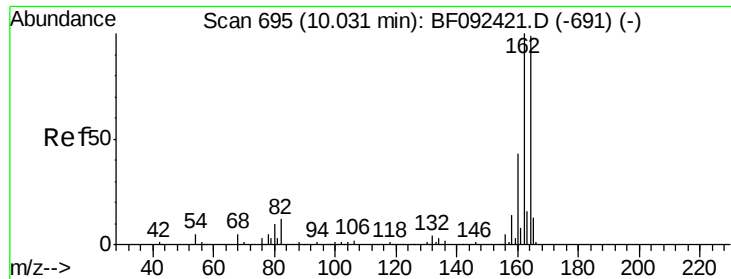
105 0.0 107.2 147.2#

77 125.4 74.5 114.5#



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

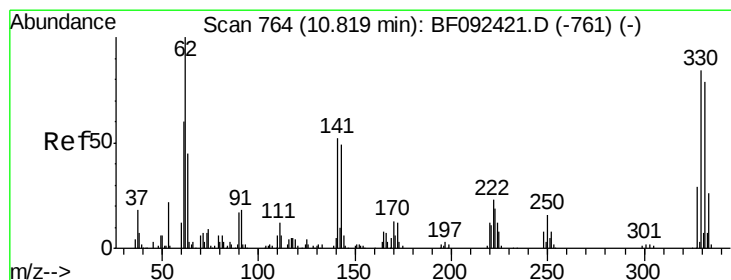
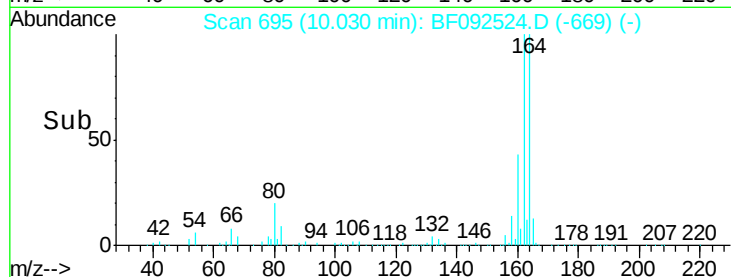
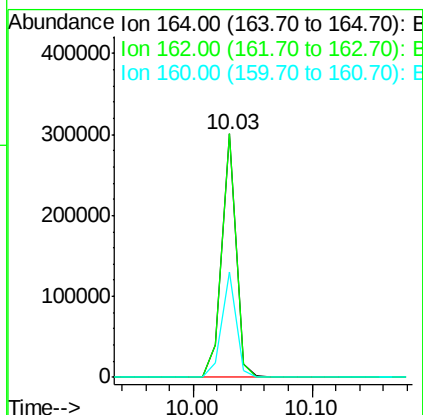
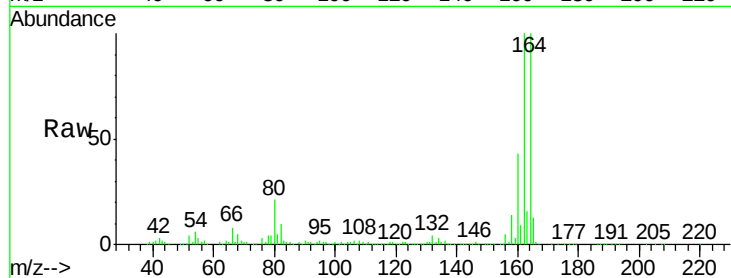




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

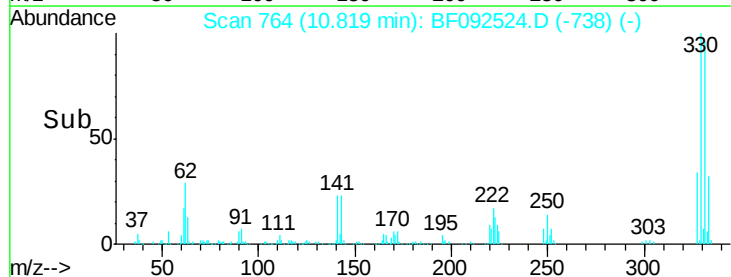
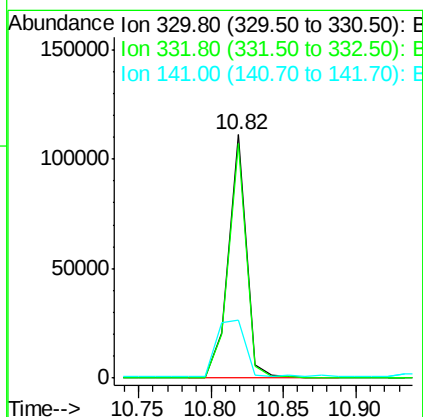
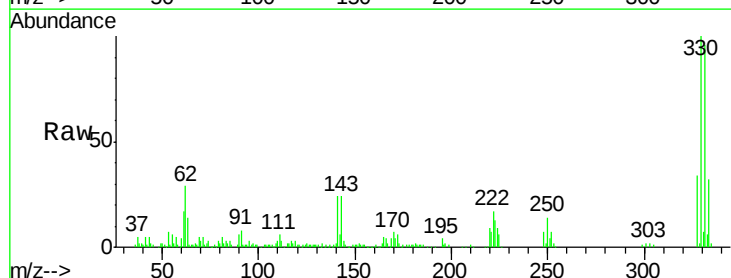
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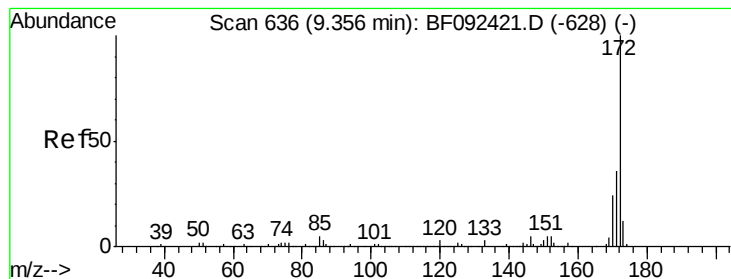
Tgt Ion:164 Resp: 248495
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.2
160 43.3 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 56.49 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

Tgt Ion:330 Resp: 95654
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 39.4 34.1 51.1

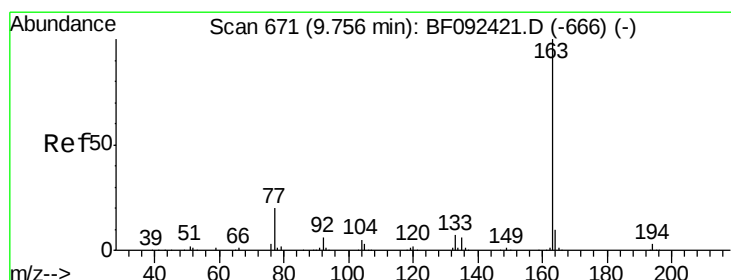
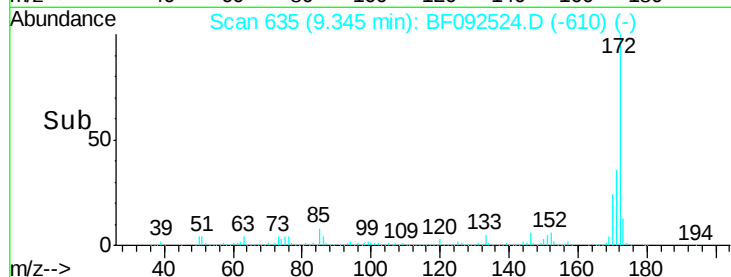
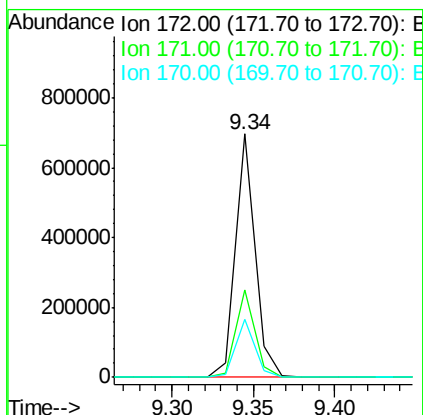
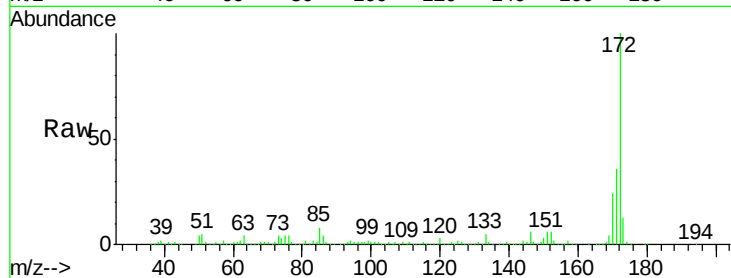




#44
 2-Fluorobiphenyl
 Concen: 42.63 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092524.D
 Acq: 26 Jan 2017 14:32

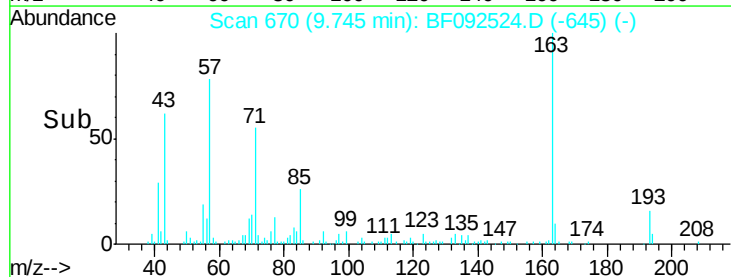
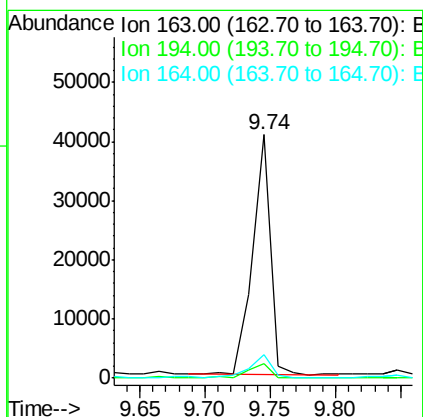
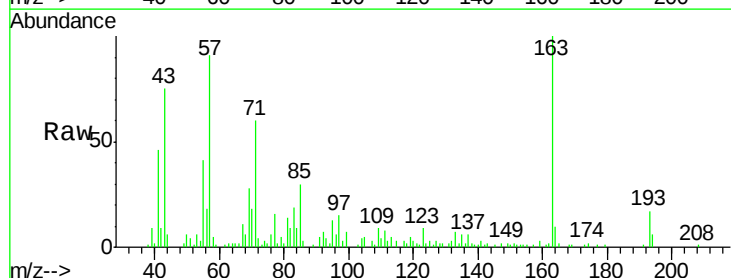
Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-01-0-2

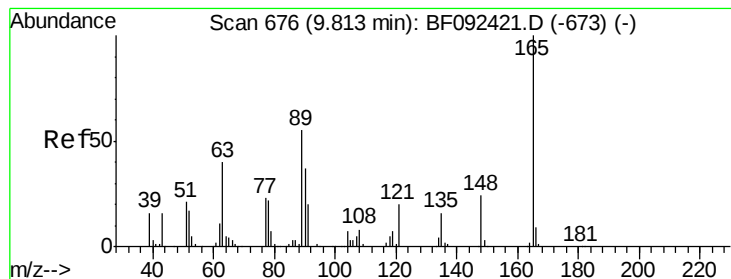
Tgt Ion:172 Resp: 572846
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.0 20.2 30.4



#49
 Dimethylphthalate
 Concen: 2.47 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF092524.D
 Acq: 26 Jan 2017 14:32

Tgt Ion:163 Resp: 38996
 Ion Ratio Lower Upper
 163 100
 194 6.1 3.0 4.4#
 164 9.9 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 10.63 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.22 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

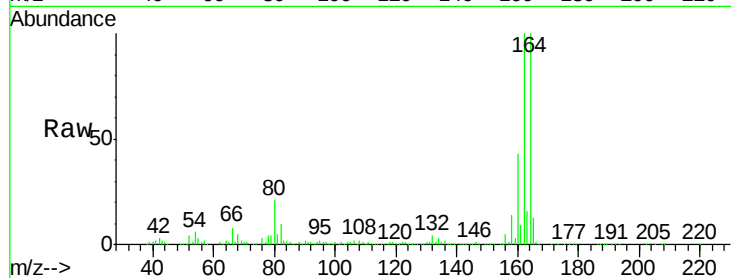
Tgt Ion:165 Resp: 34332

Ion Ratio Lower Upper

165 100

63 1.6 36.2 54.4#

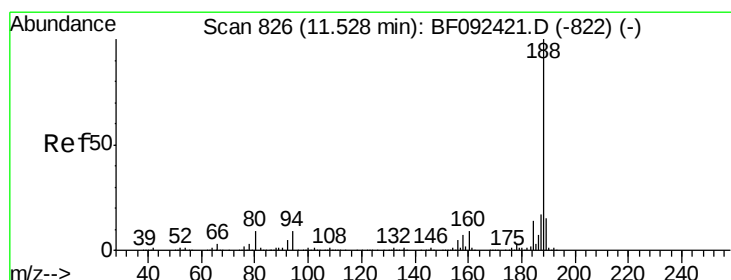
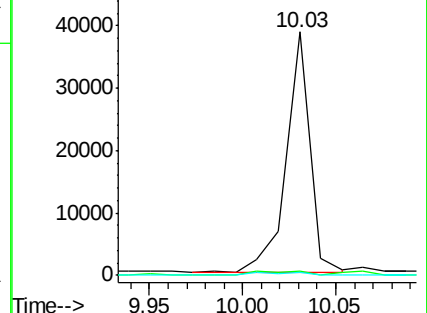
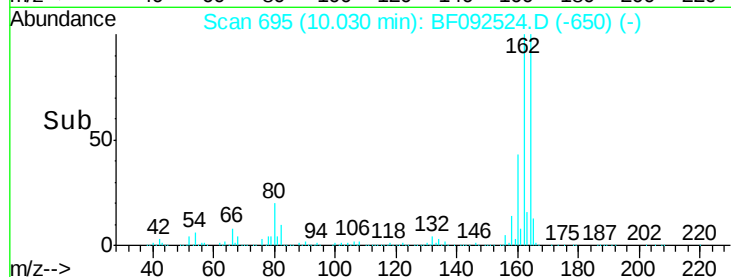
89 1.3 40.2 60.4#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

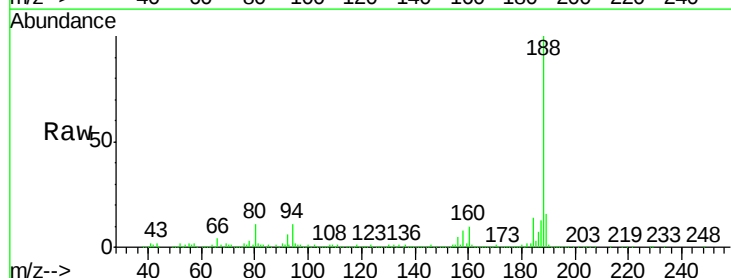
Tgt Ion:188 Resp: 376274

Ion Ratio Lower Upper

188 100

94 10.8 10.0 15.0

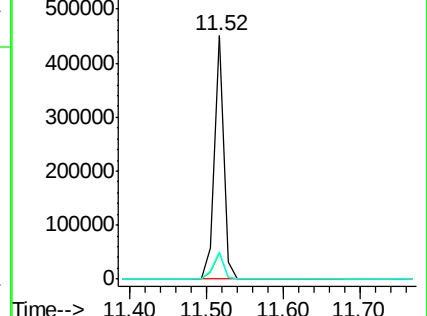
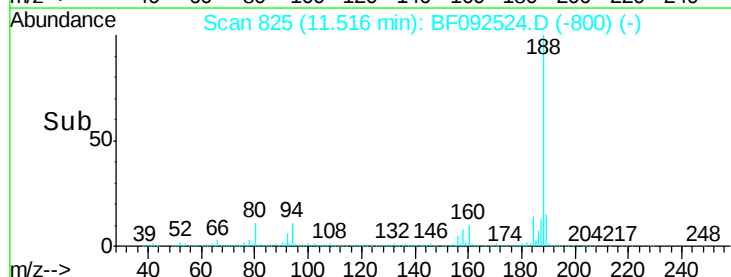
80 11.1 11.2 16.8#

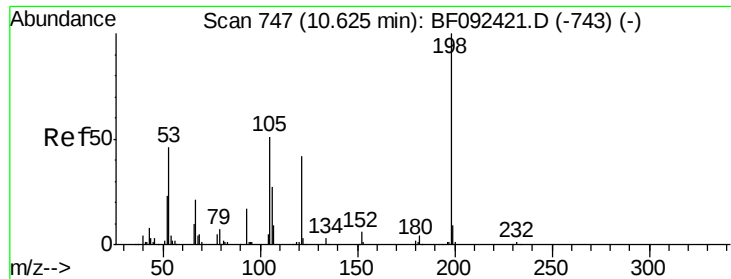


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.09 ng

RT: 10.85 min Scan# 767

Delta R.T. 0.23 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

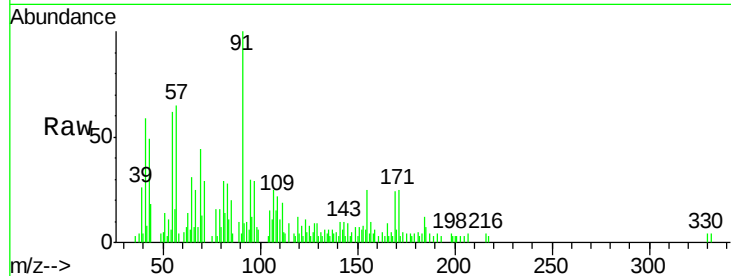
Tgt Ion:198 Resp: 322

Ion Ratio Lower Upper

198 100

51 354.3 6.7 46.7#

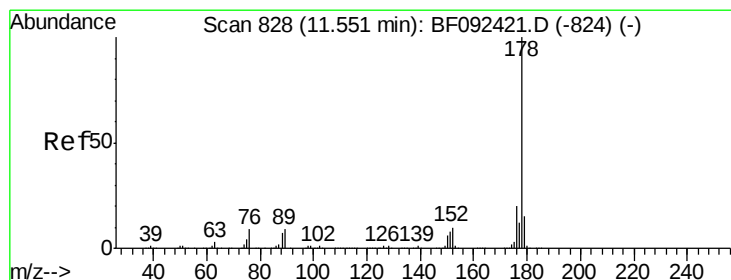
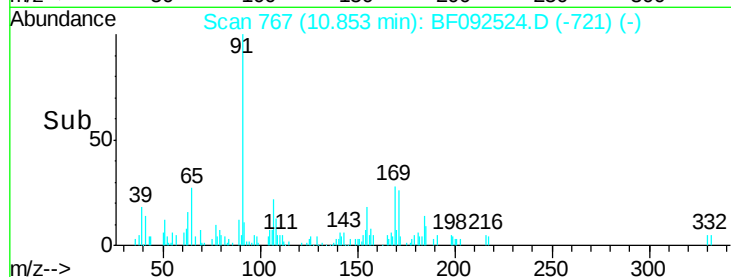
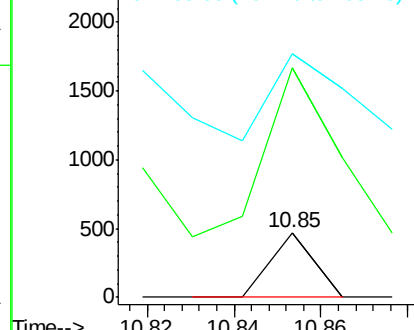
105 376.8 16.6 56.6#



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



#70

Phenanthrene

Concen: 2.96 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

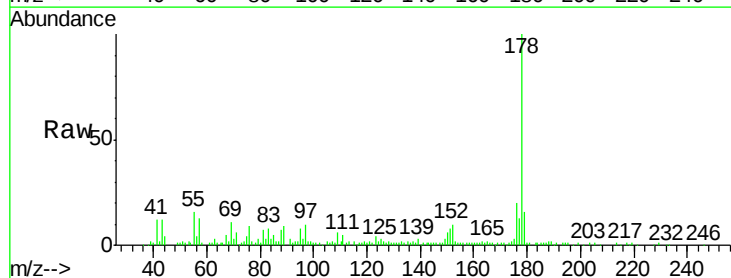
Tgt Ion:178 Resp: 61316

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

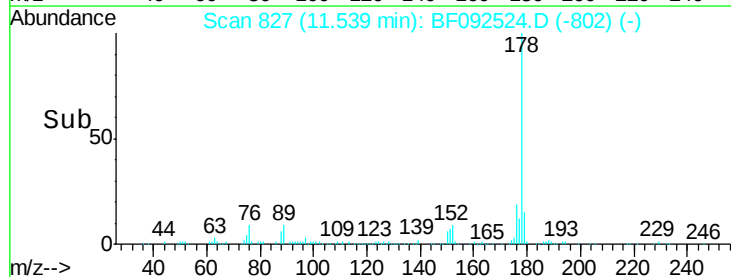
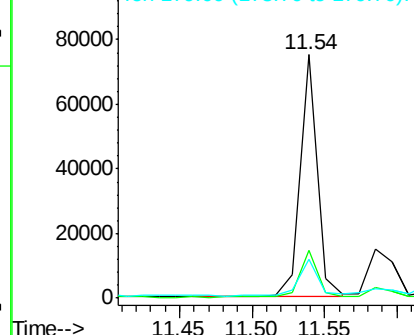
179 16.0 12.8 19.2

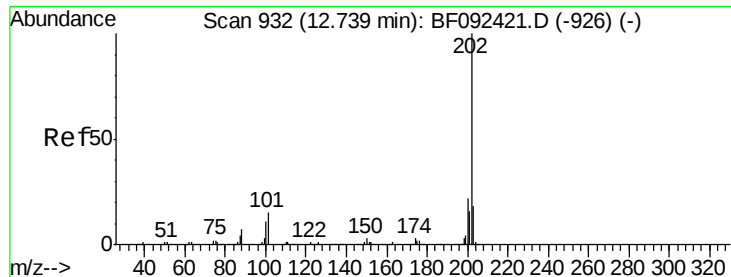


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

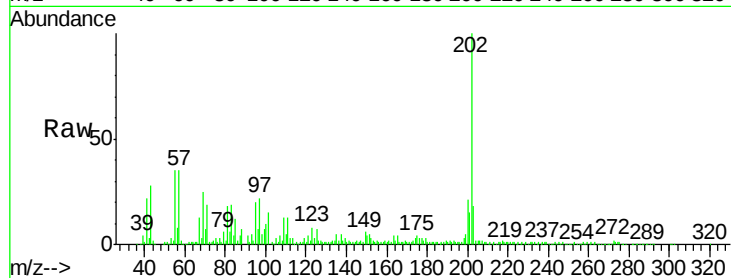




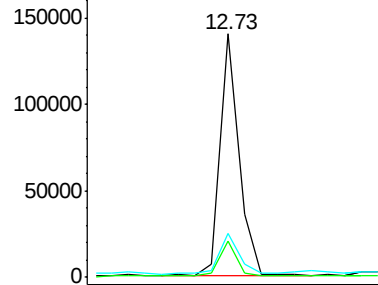
#74
Fluoranthene
Concen: 6.24 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

Instrument :
BNA_F
ClientSampleId :
CAS-SB-01-0-2

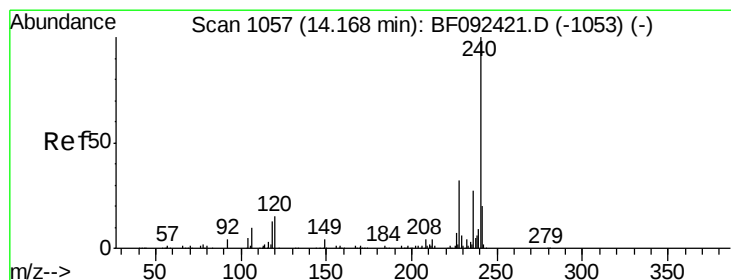
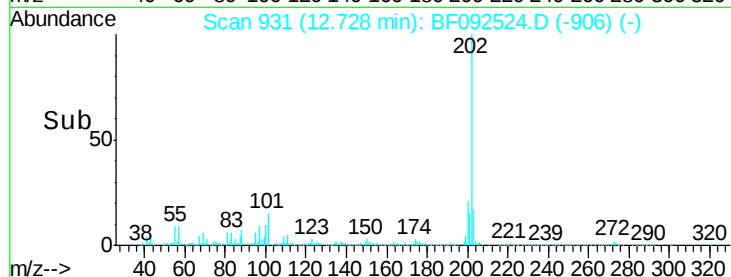
Tgt Ion:	202	Resp:	126481
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.6
203	18.2	0.0	38.7



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

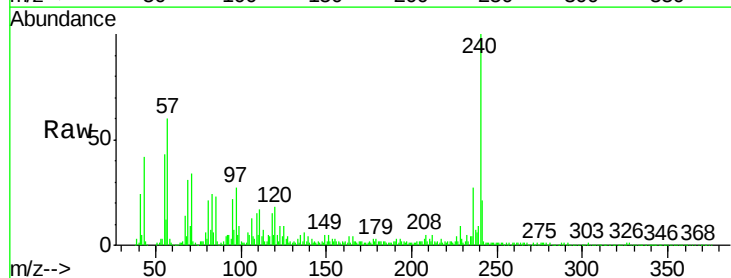


Time-->

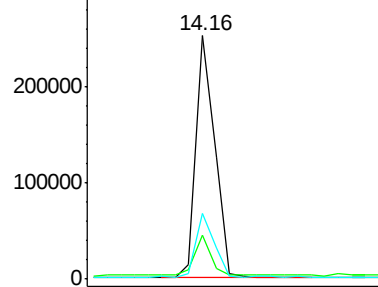


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

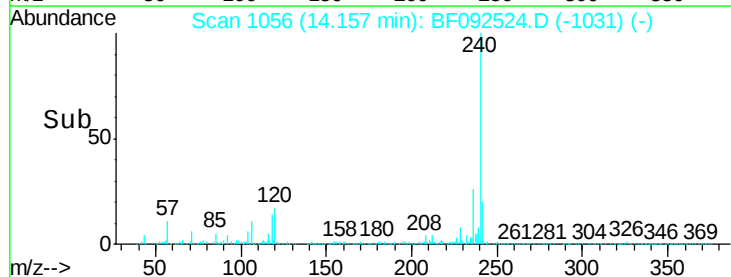
Tgt Ion:	240	Resp:	274432
Ion	Ratio	Lower	Upper
240	100		
120	18.0	12.9	19.3
236	27.0	20.9	31.3

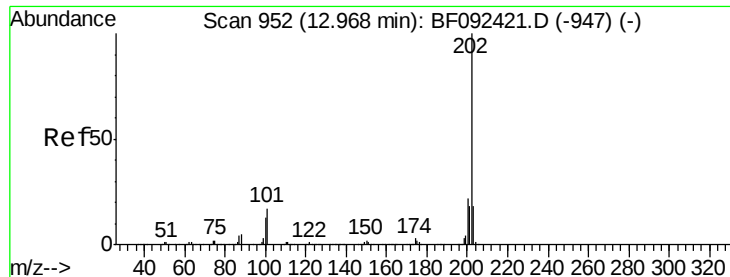


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 5.81 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

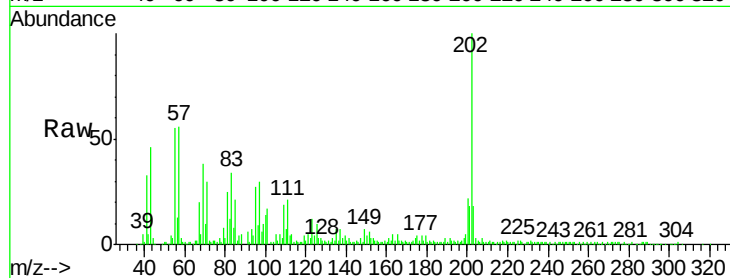
Tgt Ion:202 Resp: 115546

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

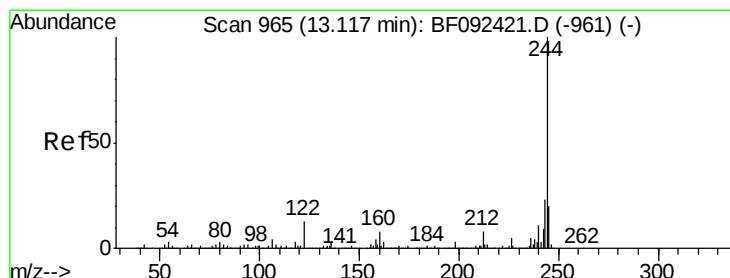
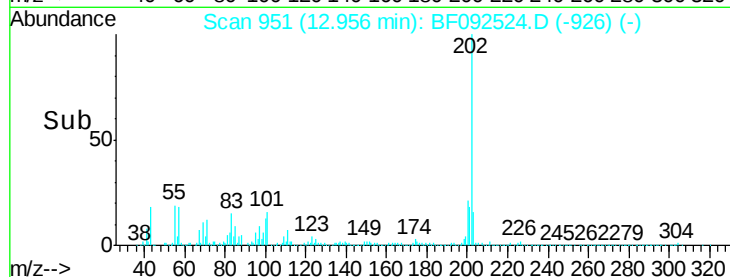
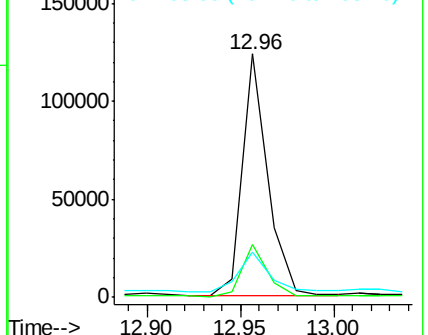
203 18.4 14.7 22.1



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: 44.66 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

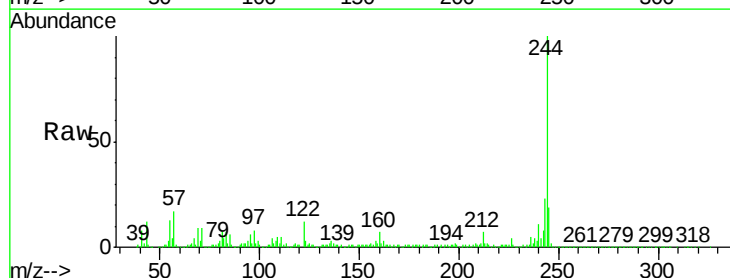
Tgt Ion:244 Resp: 460281

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

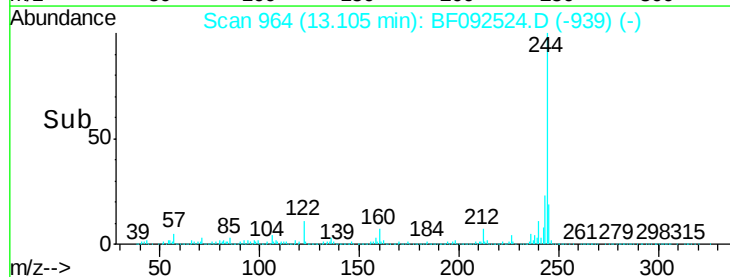
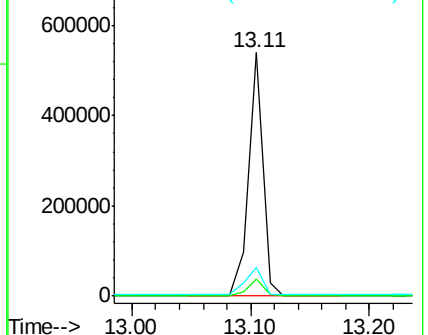
122 11.9 11.4 17.2

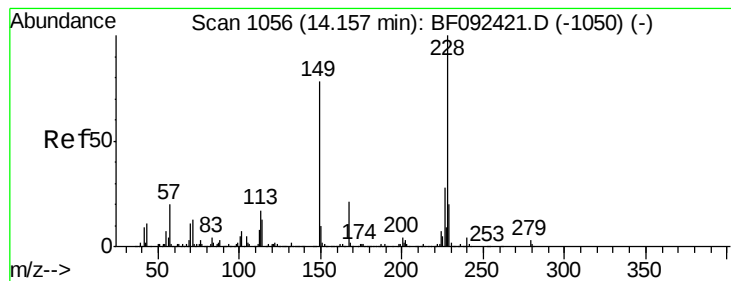


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.48 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.02 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

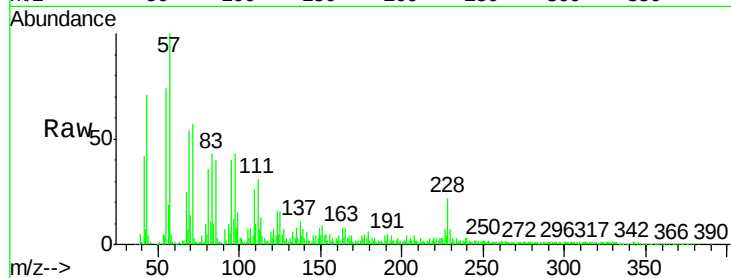
Tgt Ion:228 Resp: 95548

Ion Ratio Lower Upper

228 100

226 32.8 22.4 33.6

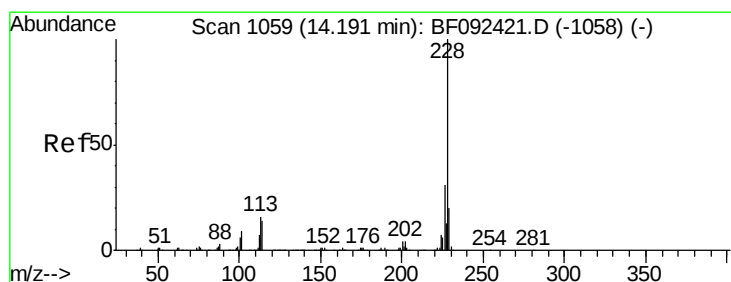
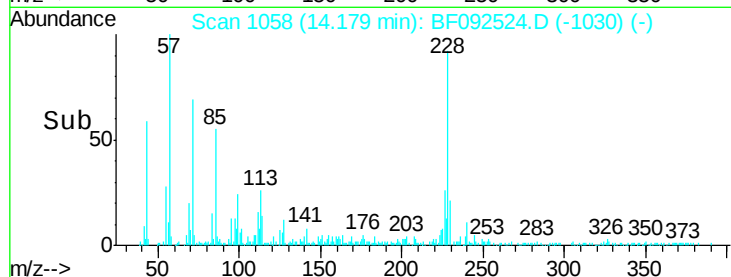
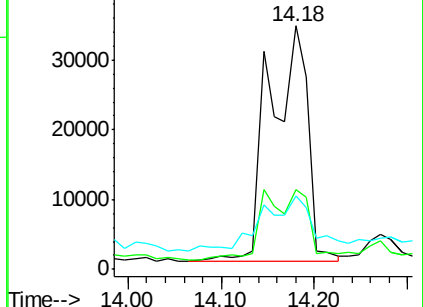
229 30.4 16.2 24.4#



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: 6.07 ng

RT: 14.18 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

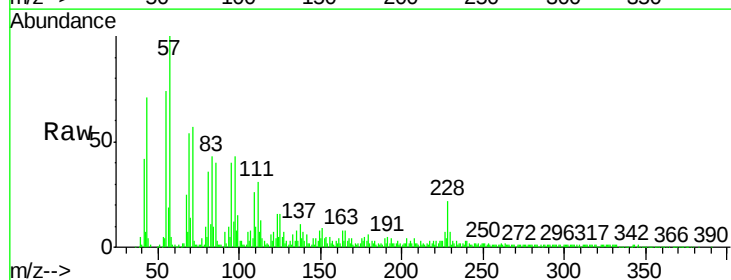
Tgt Ion:228 Resp: 95548

Ion Ratio Lower Upper

228 100

226 32.8 25.4 38.0

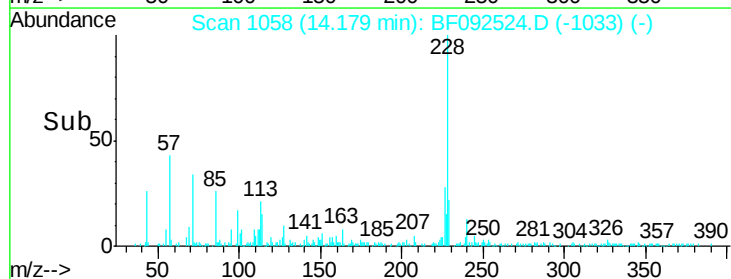
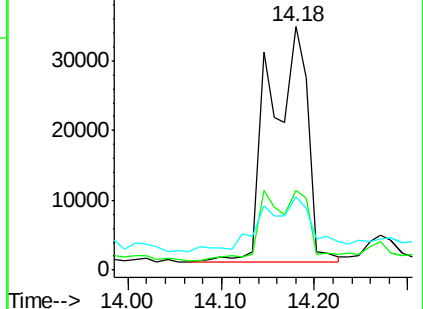
229 30.4 16.2 24.2#

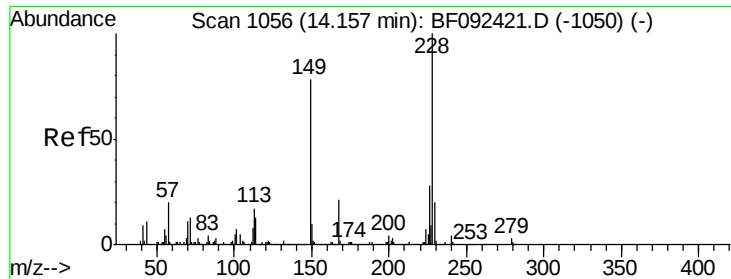


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

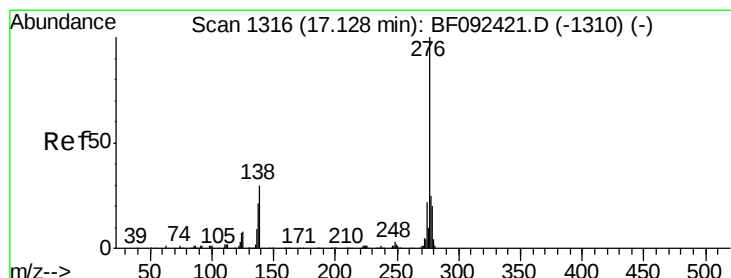
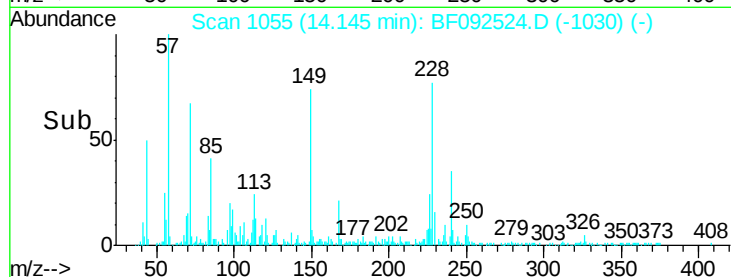
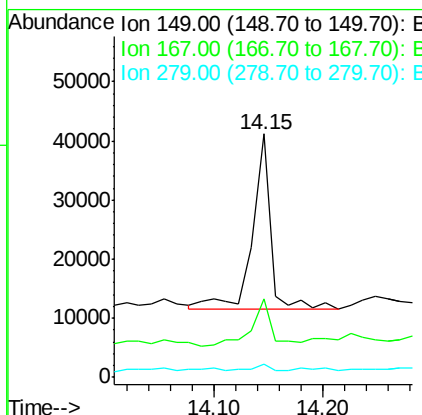
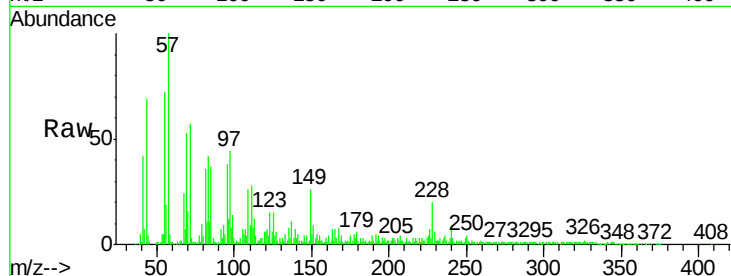




#83
Bis(2-ethylhexyl)phthalate
Concen: 3.46 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

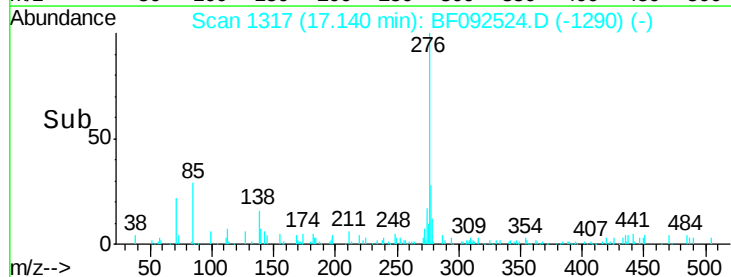
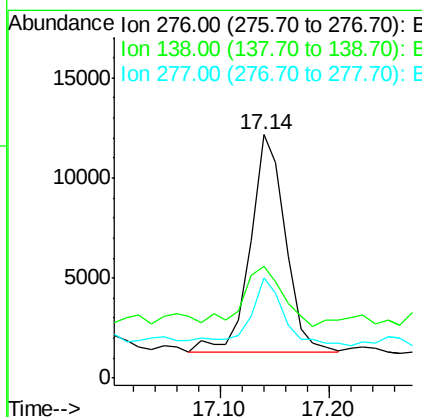
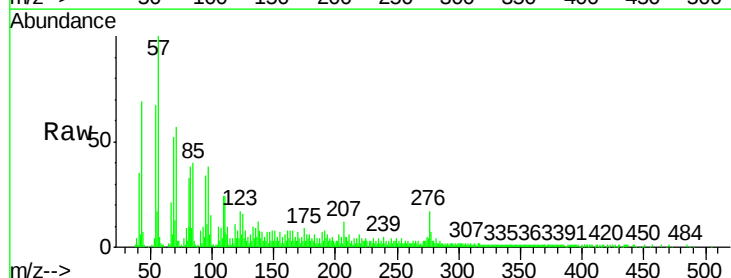
Instrument :
BNA_F
ClientSampleId :
CAS-SB-01-0-2

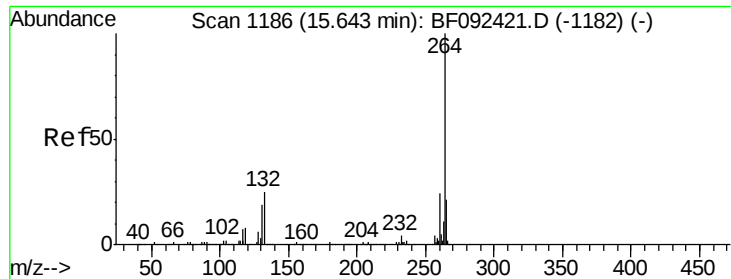
Tgt Ion: 149 Resp: 35093
Ion Ratio Lower Upper
149 100
167 32.4 20.2 30.4#
279 5.3 1.8 2.8#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.08 ng
RT: 17.14 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

Tgt Ion: 276 Resp: 24290
Ion Ratio Lower Upper
276 100
138 32.5 21.8 32.6
277 32.5 20.2 30.4#



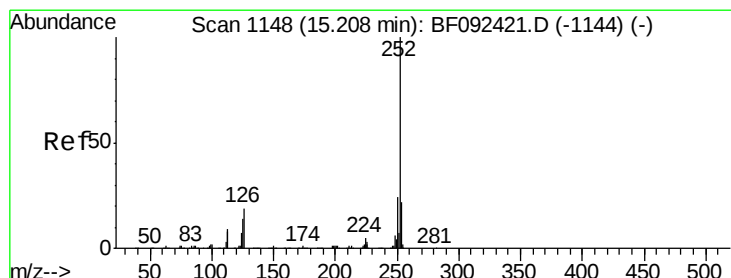
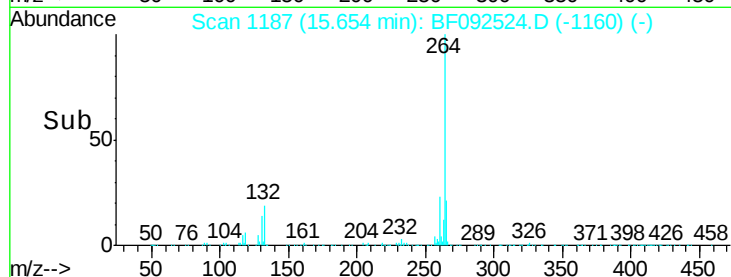
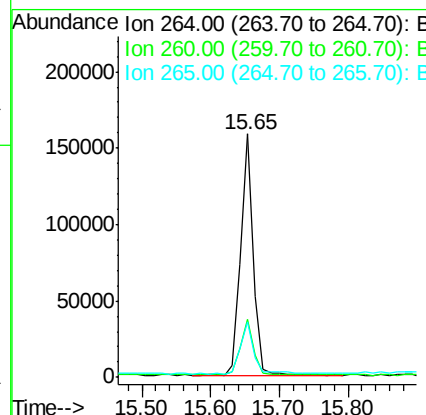
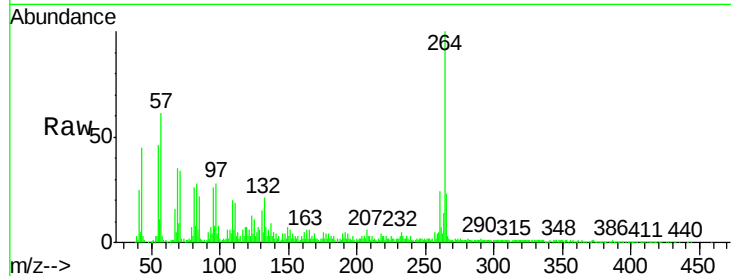


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

Instrument :
BNA_F
ClientSampleId :
CAS-SB-01-0-2

Tgt Ion: 264 Resp: 205733

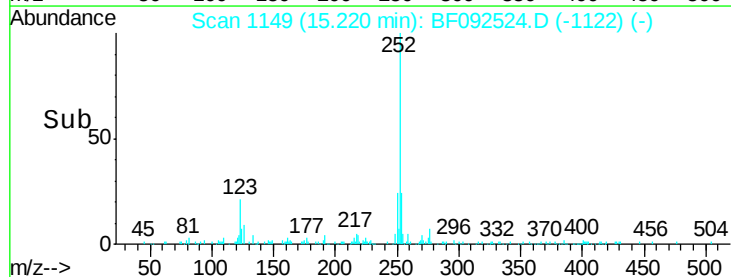
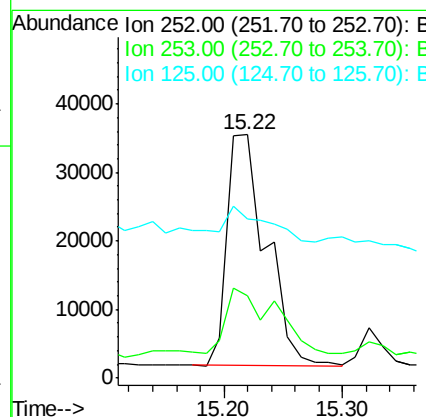
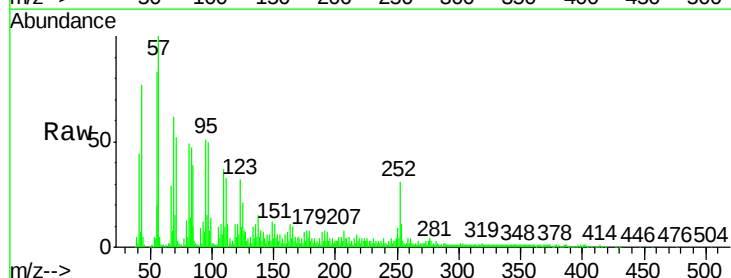
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.4	26.0

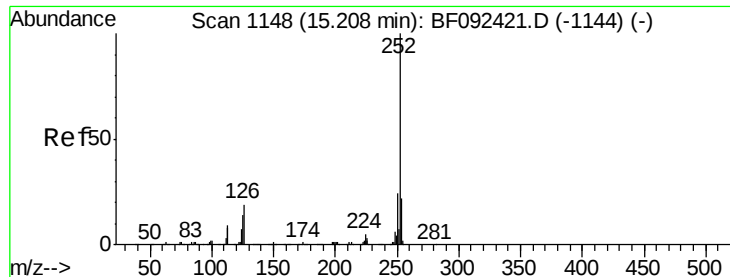


#87
Benzo(b)fluoranthene
Concen: 5.83 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092524.D
Acq: 26 Jan 2017 14:32

Tgt Ion: 252 Resp: 77024

Ion	Ratio	Lower	Upper
252	100		
253	33.6	18.2	27.4#
125	65.4	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 6.99 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

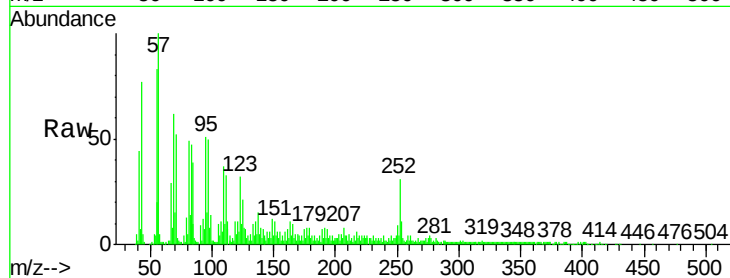
Tgt Ion:252 Resp: 76745

Ion Ratio Lower Upper

252 100

253 33.6 18.5 27.7#

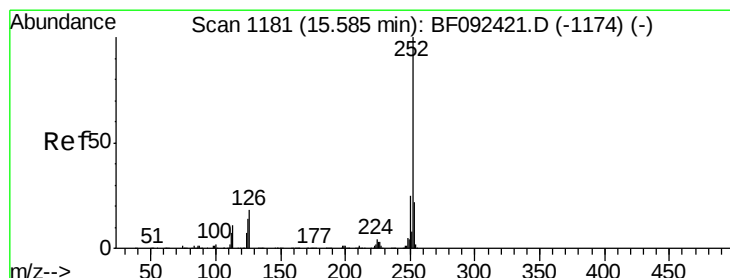
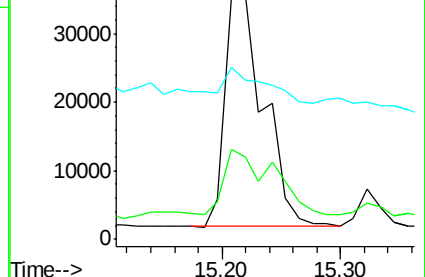
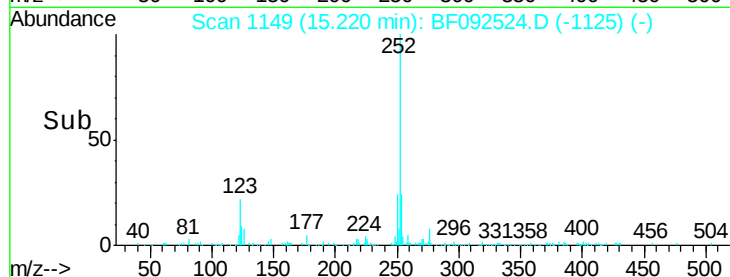
125 65.4 8.9 13.3#



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: 2.69 ng

RT: 15.59 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

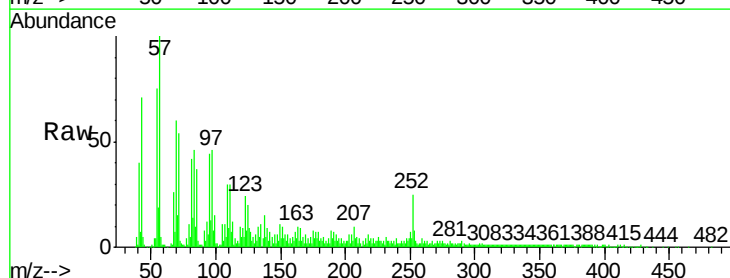
Tgt Ion:252 Resp: 30001

Ion Ratio Lower Upper

252 100

253 32.6 18.2 27.2#

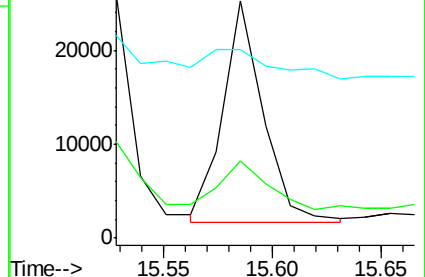
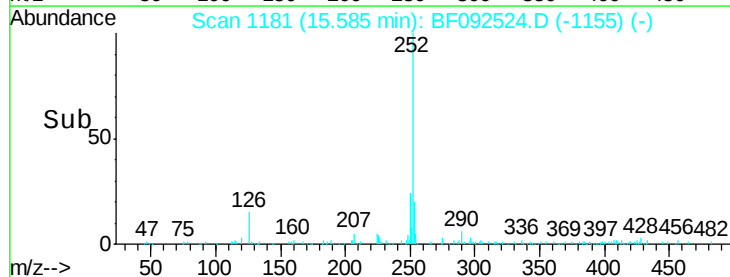
125 79.4 10.0 15.0#

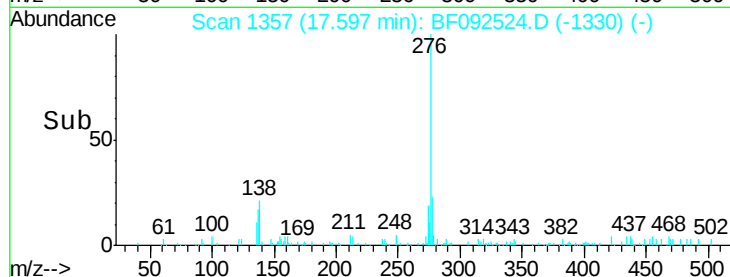
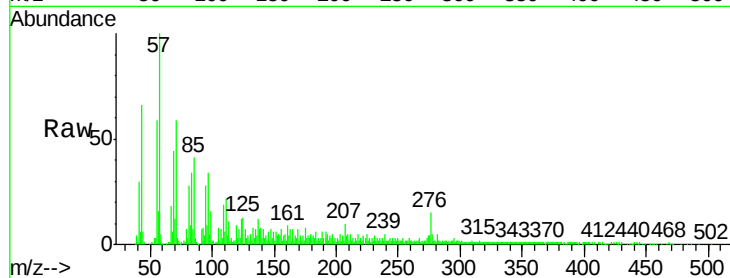
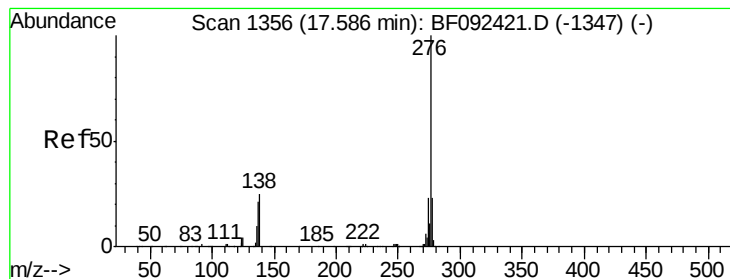


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.68 ng

RT: 17.60 min Scan# 1357

Delta R.T. 0.01 min

Lab File: BF092524.D

Acq: 26 Jan 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CAS-SB-01-0-2

Tgt Ion:276 Resp: 24470

Ion Ratio Lower Upper

276 100

277 36.6 19.2 28.8#

138 44.3 16.0 24.0#

