

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097216.D
 Acq On : 31 Jul 2017 19:05
 Operator : SJ/JU
 Sample : I4488-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-E

Quant Time: Aug 01 00:57:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

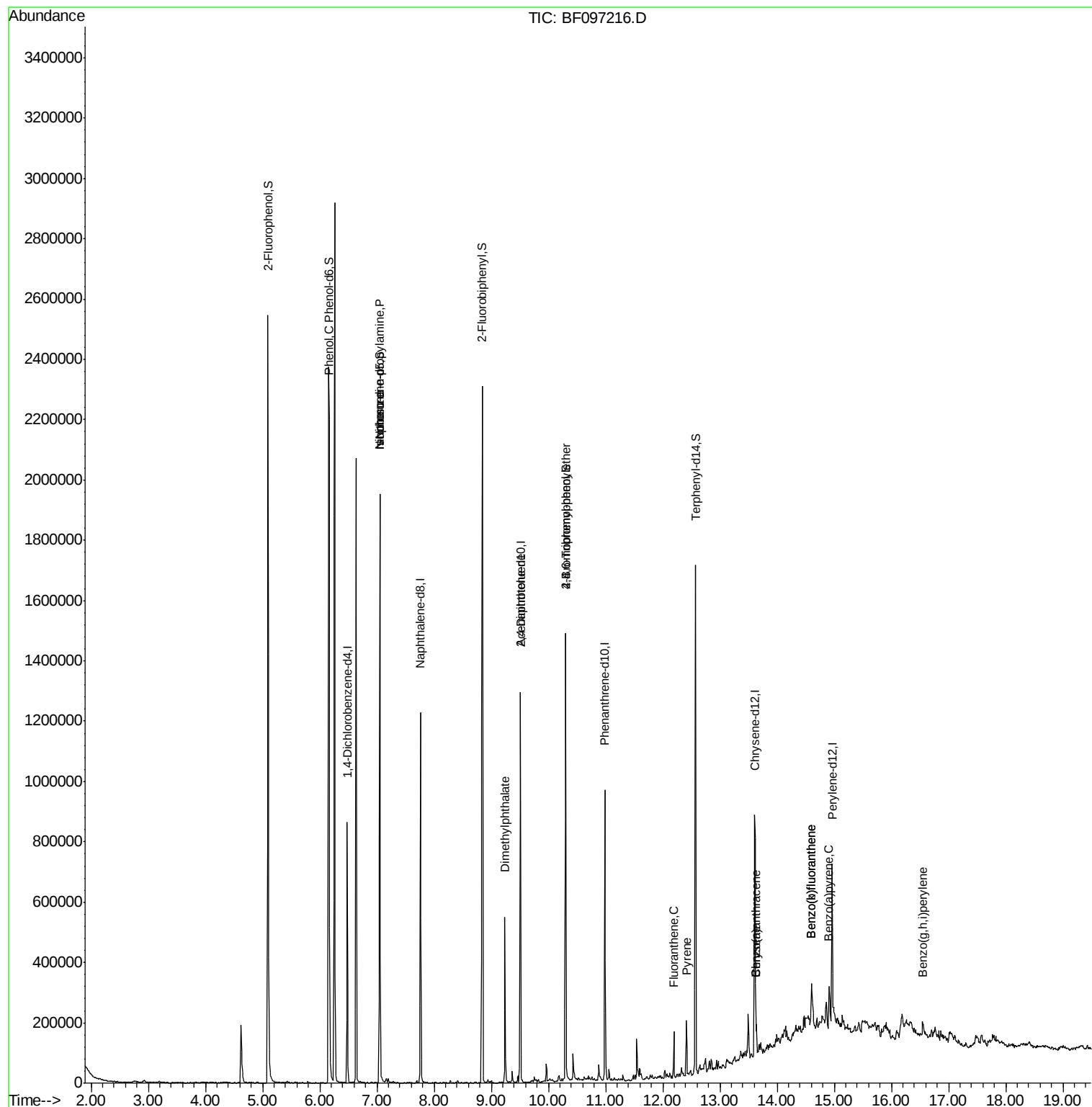
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	124359	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	535527	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	242018	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	329514	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	258939	20.00	ng	-0.02
86) Perylene-d12	14.96	264	219418	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	757263	91.80	ng	0.00
7) Phenol-d6	6.16	99	929545	98.70	ng	-0.01
23) Nitrobenzene-d5	7.05	82	595892	65.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	154785	80.95	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	798166	55.97	ng	-0.02
78) Terphenyl-d14	12.57	244	563801	44.39	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.17	94	44036	3.94	ng	95
19) n-Nitroso-di-n-propylamine	7.05	70	80226	12.94	ng	# 88
25) Isophorone	7.05	82	589450	32.97	ng	# 67
49) Dimethylphthalate	9.24	163	206113	11.21	ng	99
56) 2,4-Dinitrotoluene	9.51	165	31227	6.97	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	9822	2.99	ng	# 1
74) Fluoranthene	12.19	202	59300	3.43	ng	98
77) Pyrene	12.42	202	62984	2.97	ng	99
80) Benzo(a)anthracene	13.64	228	39310	2.35	ng	93
82) Chrysene	13.64	228	39310	2.40	ng	96
87) Benzo(b)fluoranthene	14.60	252	73278	5.56	ng	# 95
88) Benzo(k)fluoranthene	14.60	252	73278	5.83	ng	98
89) Benzo(a)pyrene	14.91	252	38525	3.19	ng	# 95
91) Benzo(a,h,i)perylene	16.55	276	25305	2.44	ng	# 93

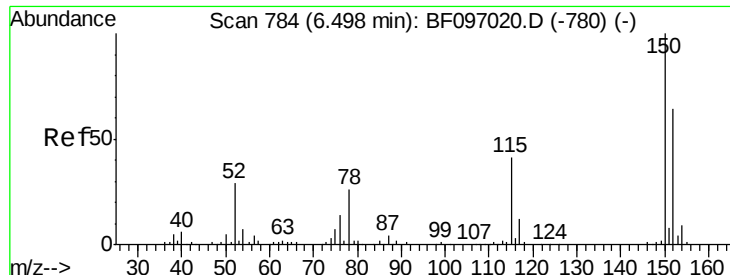
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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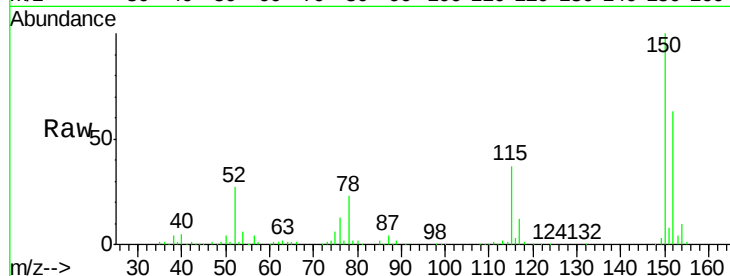


#1

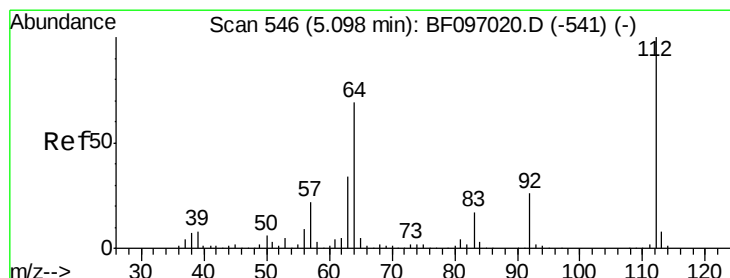
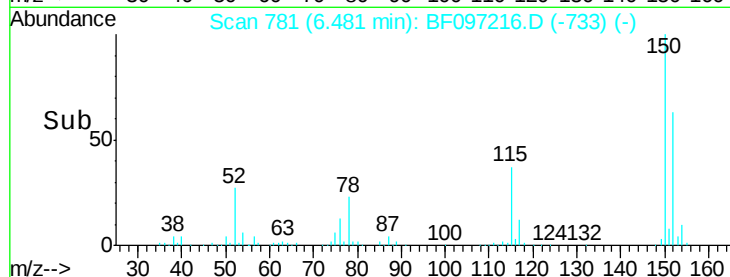
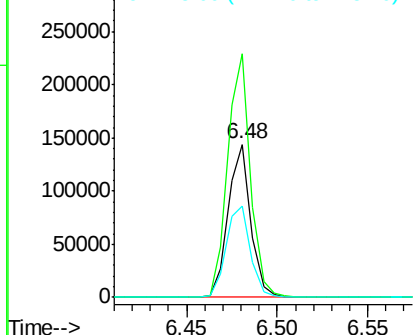
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-E

Tot Ion:152 Resp: 124359
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 59.6 52.2 78.2



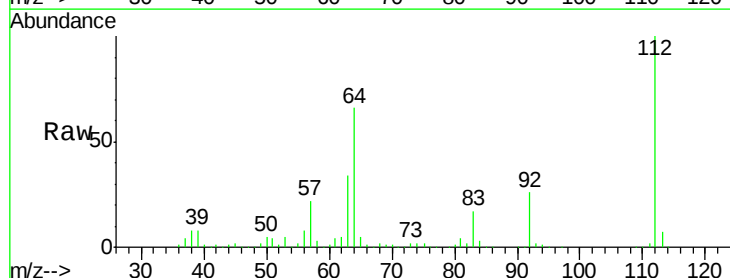
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



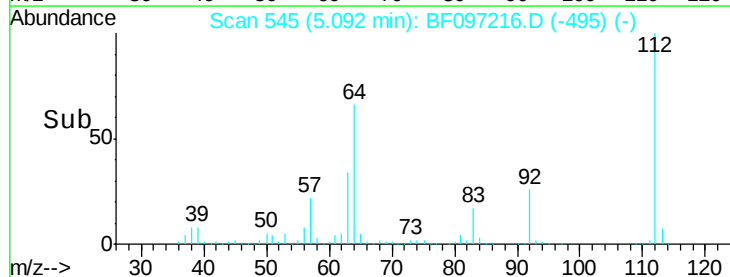
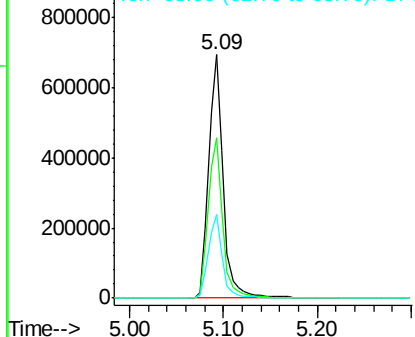
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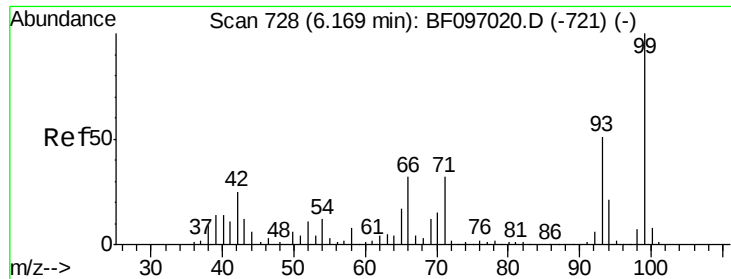
2-Fluorophenol
Concen: 91.80 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion:112 Resp: 757263
Ion Ratio Lower Upper
112 100
64 66.0 46.0 69.0
63 34.4 23.4 35.0



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: 98.70 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-E

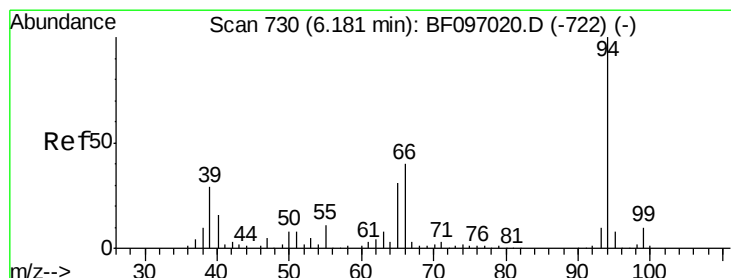
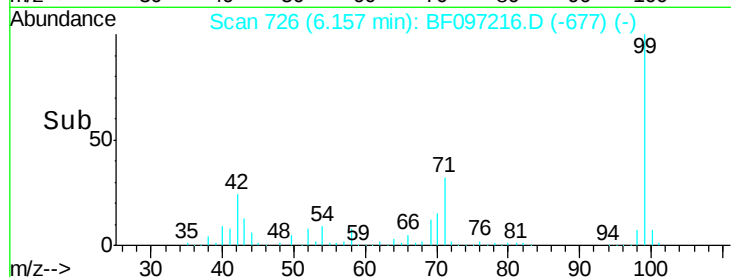
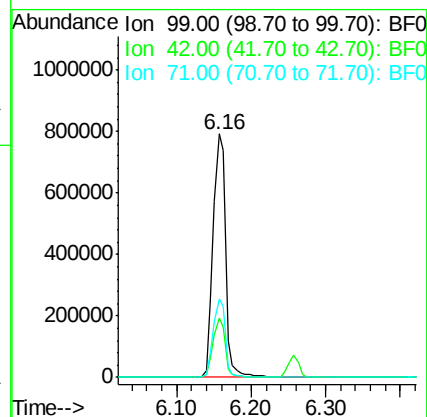
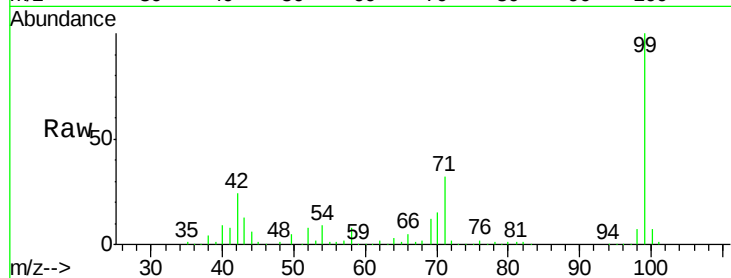
Tot Ion: 99 Resp: 929545

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

71 32.5 24.5 36.7



#10

Phenol

Concen: 3.94 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

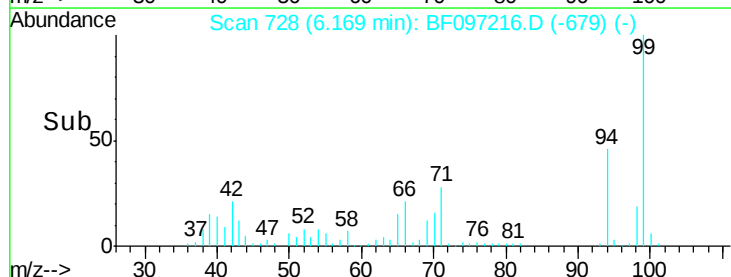
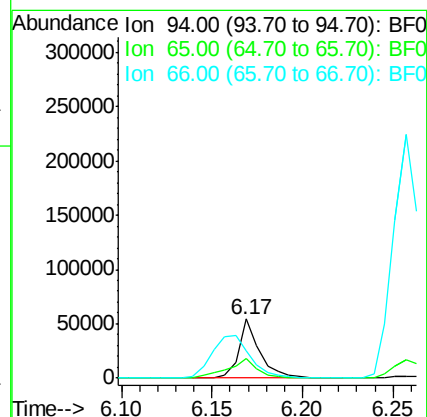
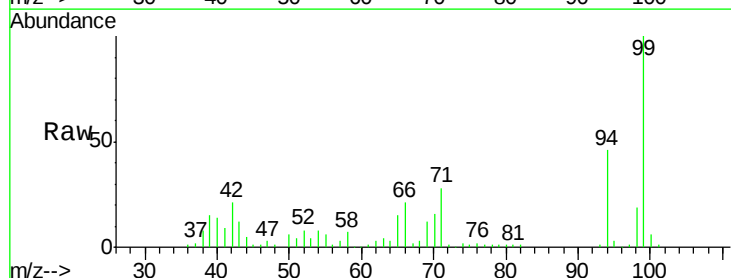
Tgt Ion: 94 Resp: 44036

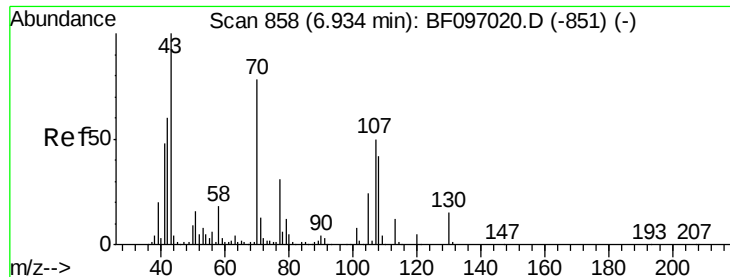
Ion Ratio Lower Upper

94 100

65 32.3 9.9 49.9

66 46.6 23.1 63.1

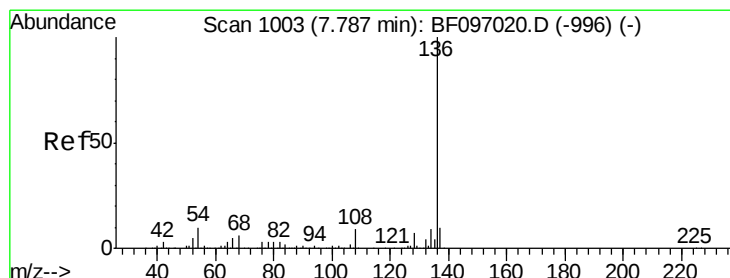
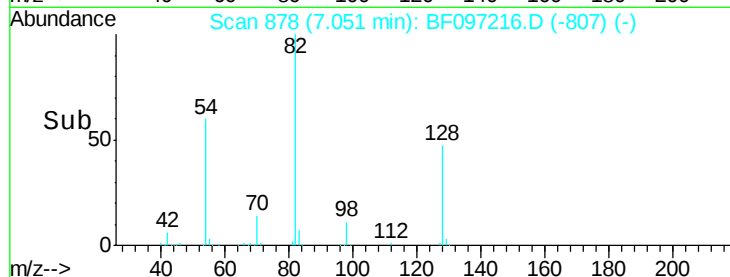
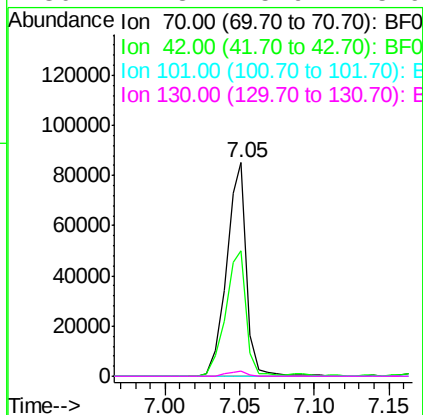
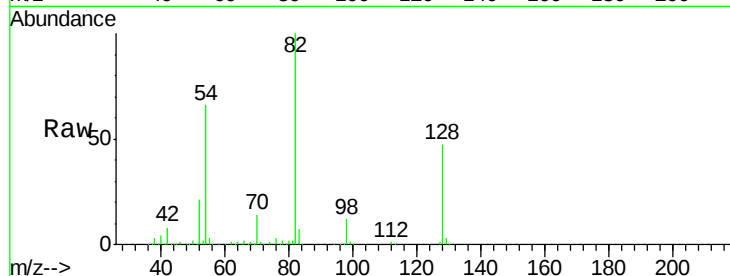




#19
n-Nitroso-di-n-propylamine
Concen: 12.94 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

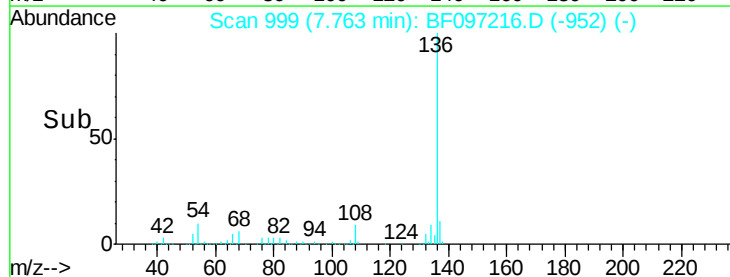
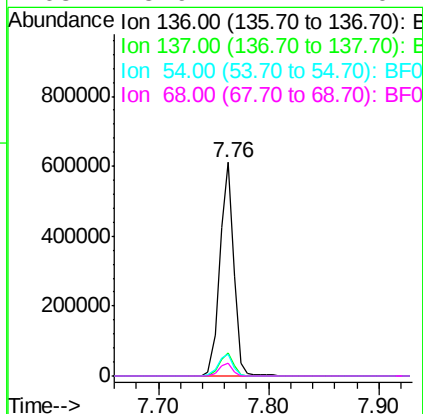
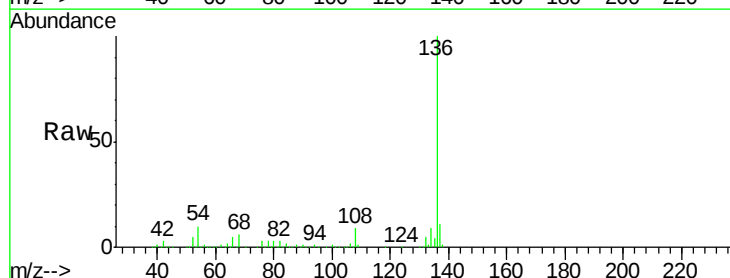
Instrument :
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ClientSampleId :
CL-02-072717-E

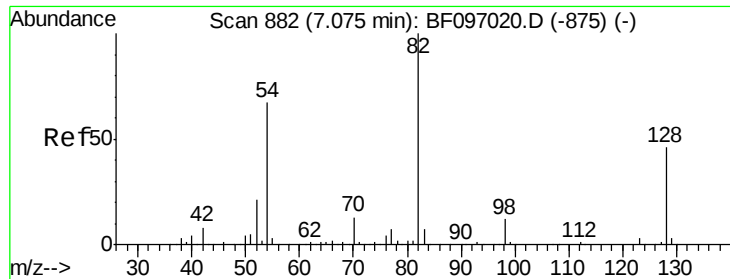
Tot Ion: 70 Resp: 80226
Ion Ratio Lower Upper
70 100
42 58.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion:136 Resp: 535527
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.5 4.9 7.3#
68 5.9 4.1 6.1

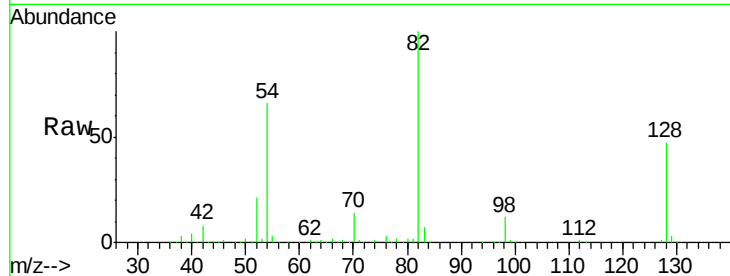




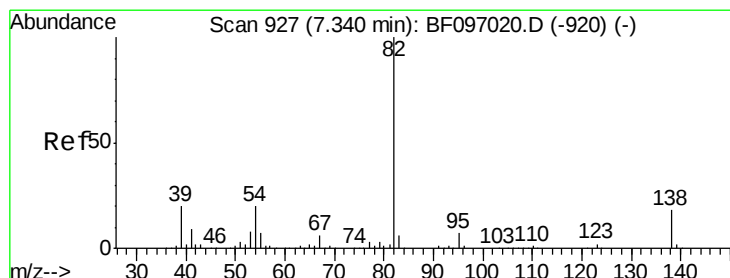
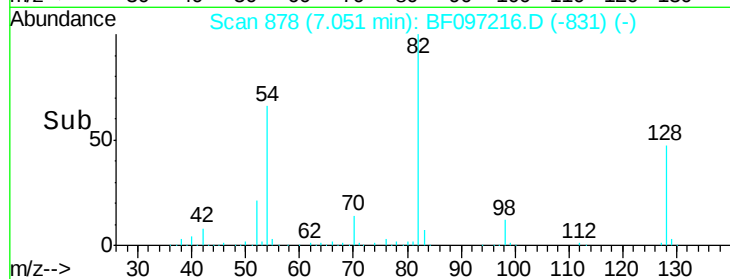
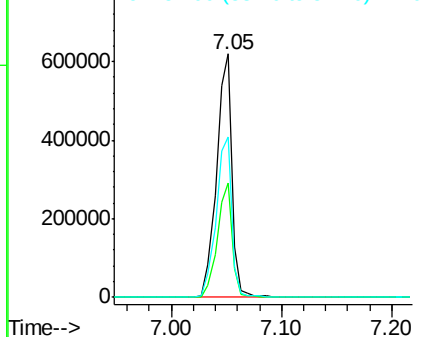
#23
Nitrobenzene-d5
Concen: 65.28 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-E

Tot Ion	82	Resp	595892
Ion Ratio	Lower	Upper	
82	100		
128	46.9	34.0	51.0
54	65.8	42.2	63.2#

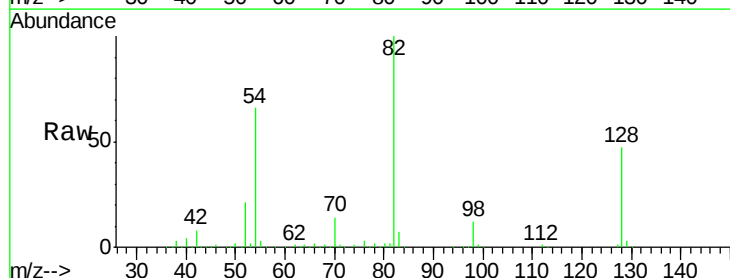


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

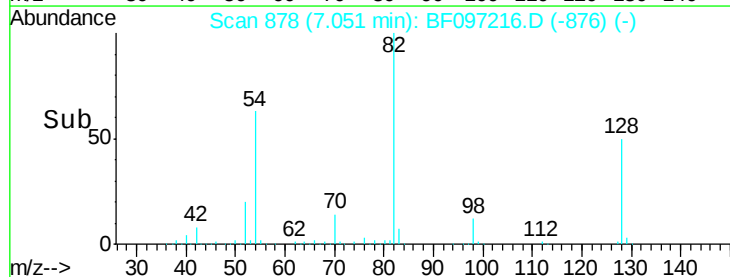
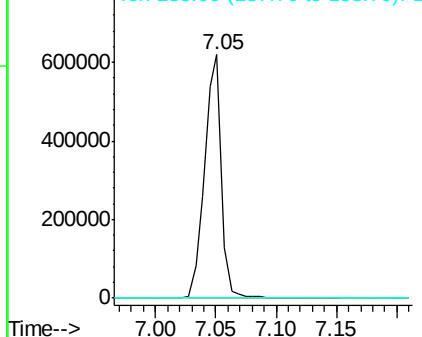


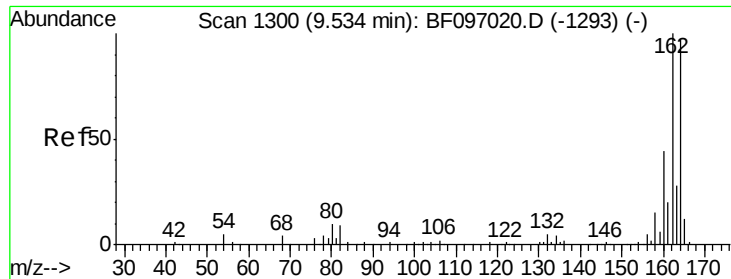
#25
Isophorone
Concen: 32.97 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.29 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion	82	Resp	589450
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

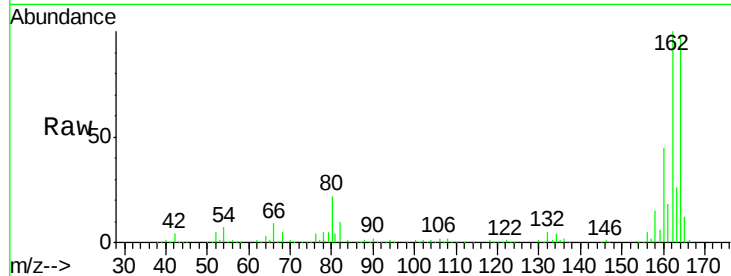




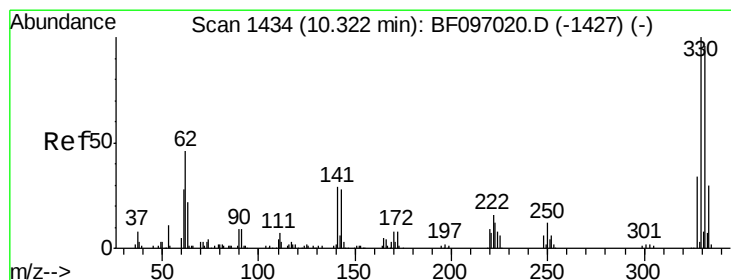
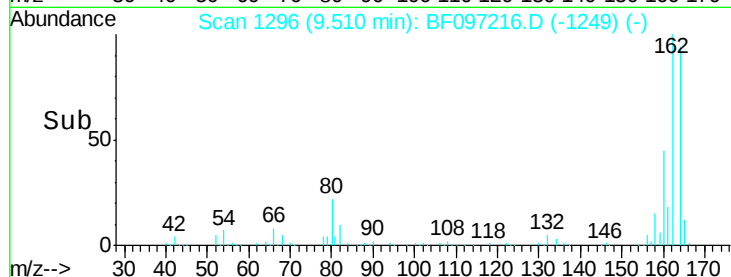
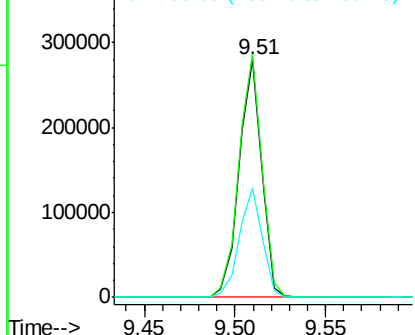
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

Instrument :
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 ClientSampleId :
 CL-02-072717-E

Tot Ion:164 Resp: 242018
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 45.9 36.2 54.2

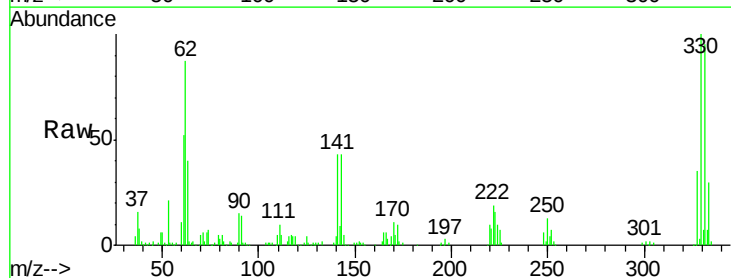


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

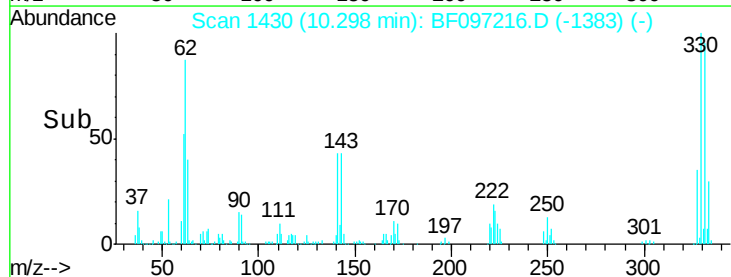
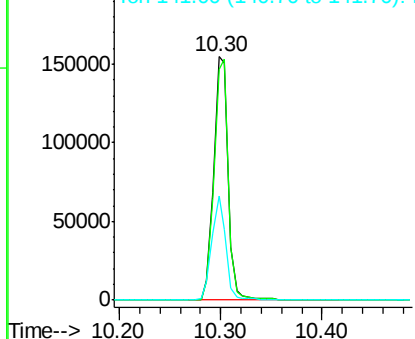


#41
 2,4,6-Tribromophenol
 Concen: 80.95 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

Tgt Ion:330 Resp: 154785
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 41.2 31.4 47.2



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

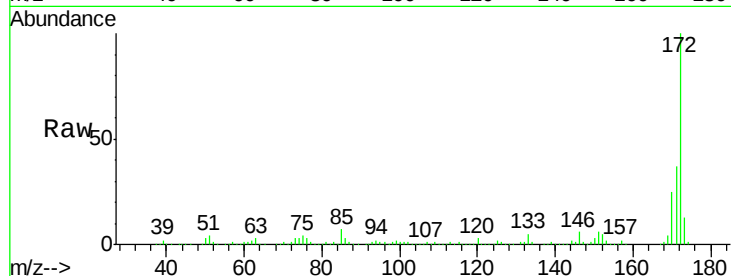




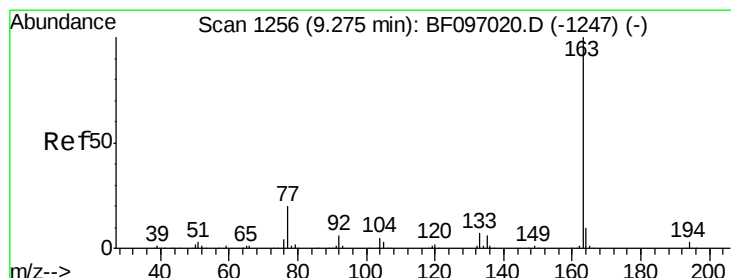
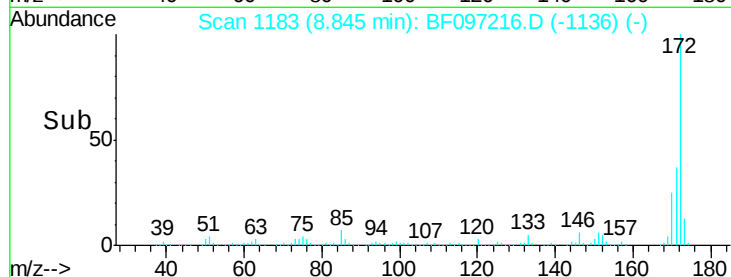
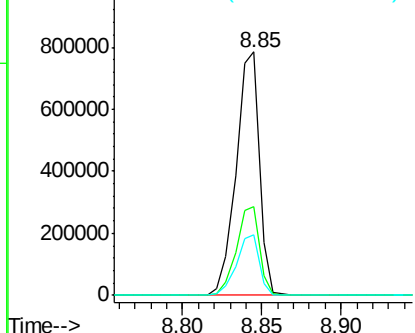
#44
2-Fluorobiphenyl
Concen: 55.97 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Instrument :
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ClientSampleId :
CL-02-072717-E

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.6	19.8	29.8

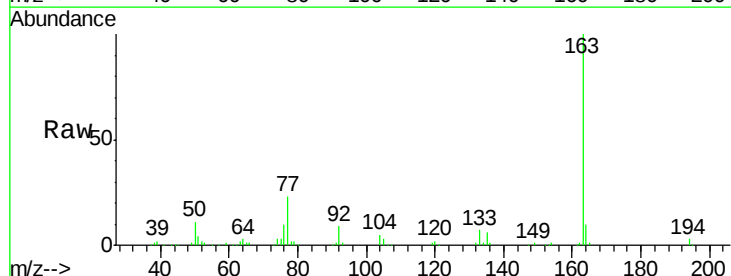


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

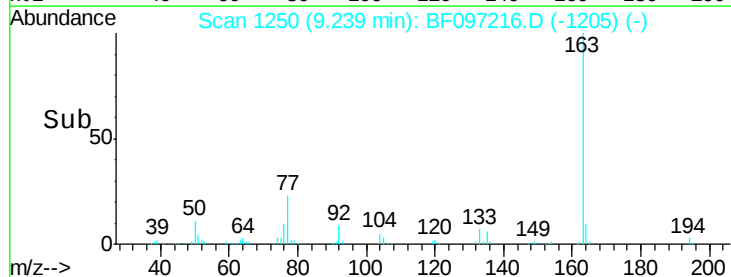
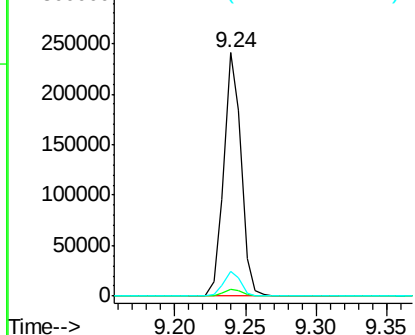


#49
Dimethylphthalate
Concen: 11.21 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.0	8.4	12.6



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

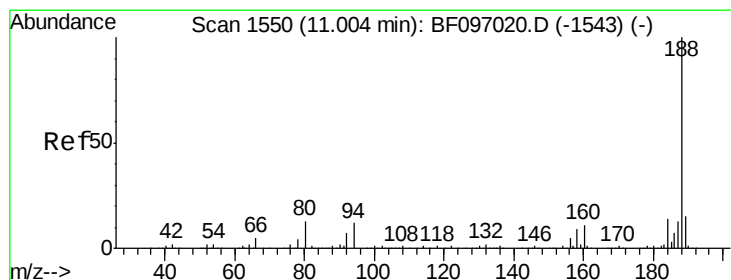
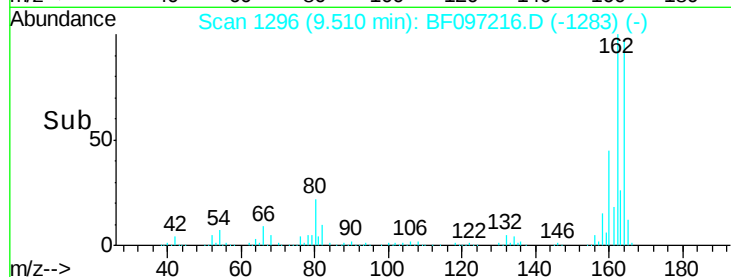
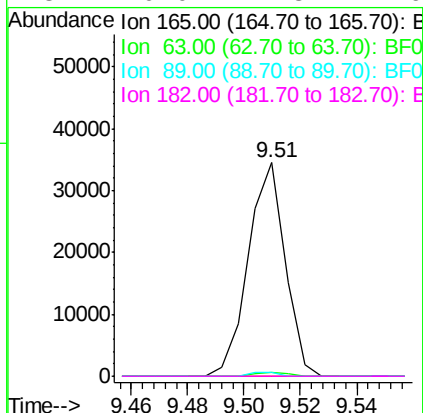
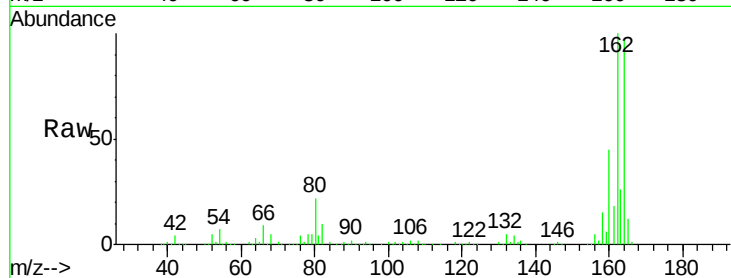




#56
 2,4-Dinitrotoluene
 Concen: 6.97 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

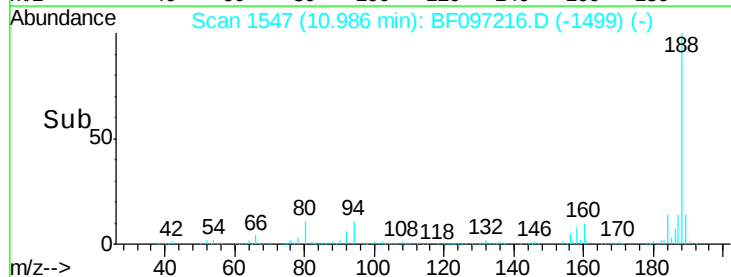
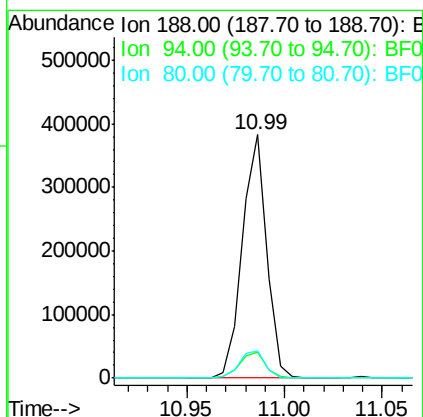
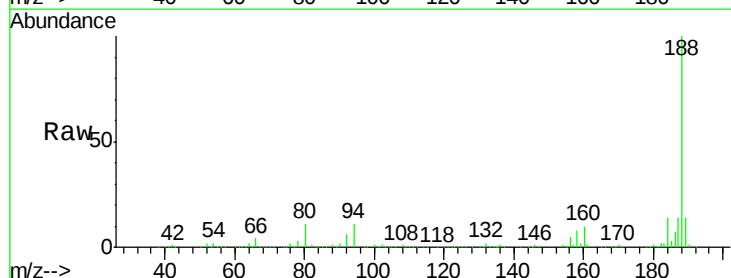
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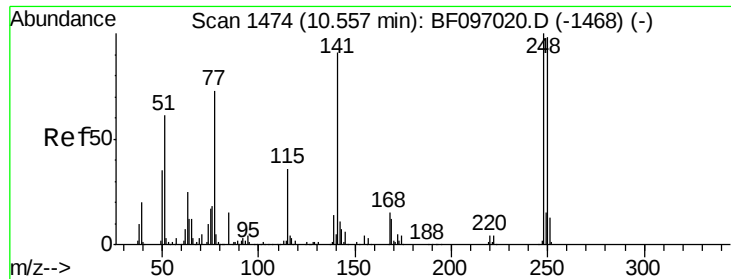
Tot Ion:165	Resp:	31227
Ion Ratio	Lower	Upper
165	100	
63	1.6	25.4 38.0#
89	1.7	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

Tgt Ion:188	Resp:	329514
Ion Ratio	Lower	Upper
188	100	
94	10.6	9.4 14.2
80	11.0	10.2 15.2

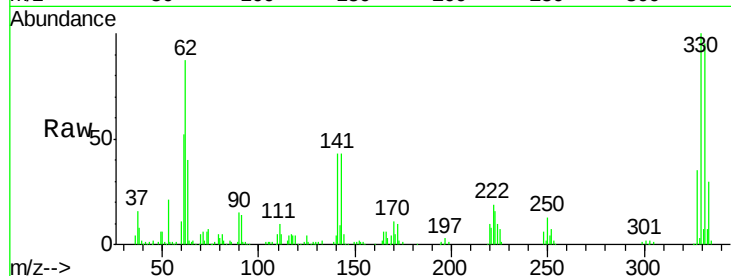




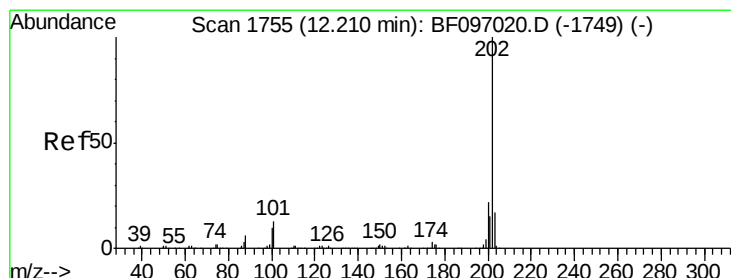
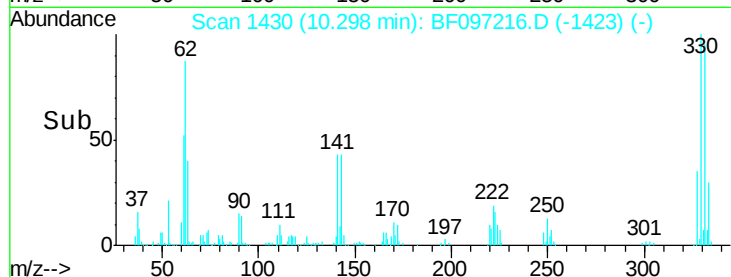
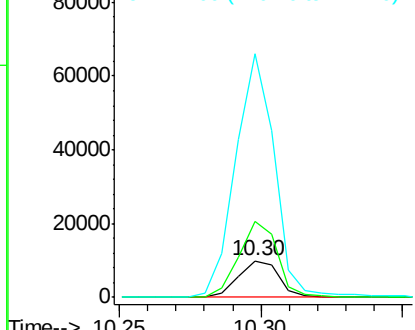
#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-E

Tot Ion:248 Resp: 9822
Ion Ratio Lower Upper
248 100
250 206.8 76.8 115.2#
141 663.2 68.6 103.0#

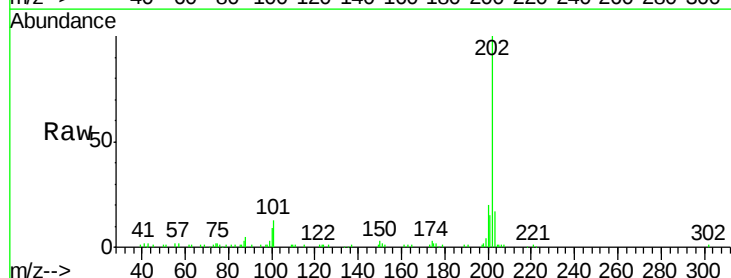


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

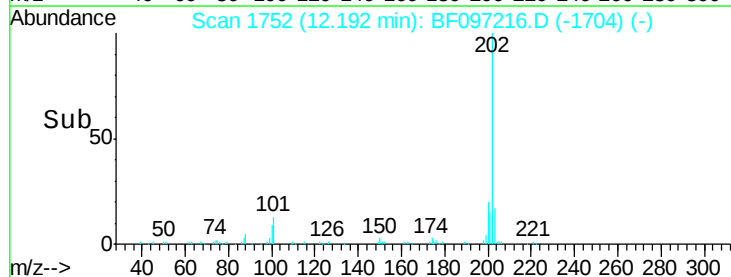
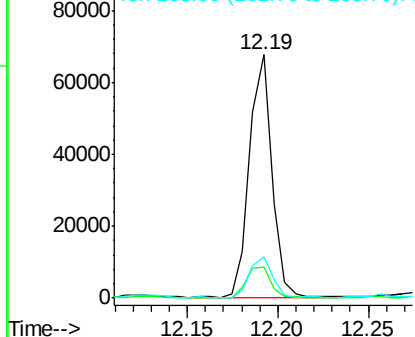


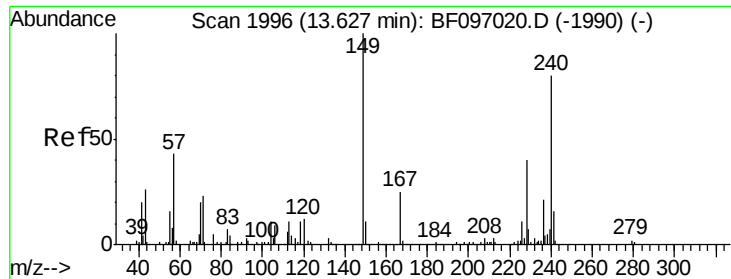
#74
Fluoranthene
Concen: 3.43 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion:202 Resp: 59300
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 17.1 0.0 38.1



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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-E

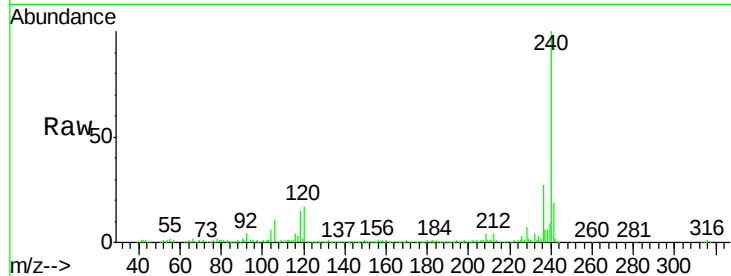
Tot Ion:240 Resp: 258939

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

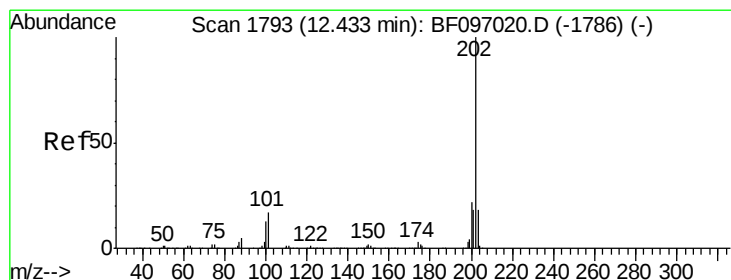
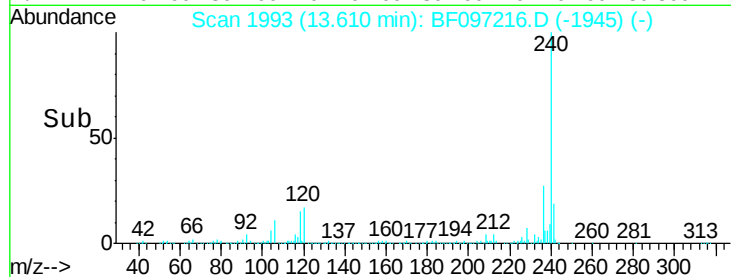
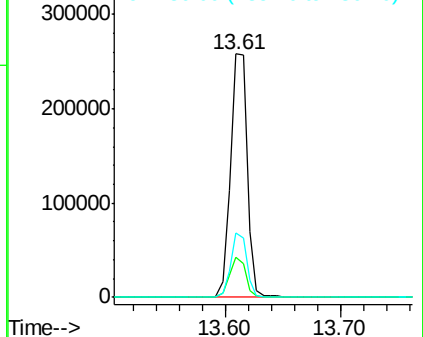
236 26.6 20.5 30.7



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: 2.97 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

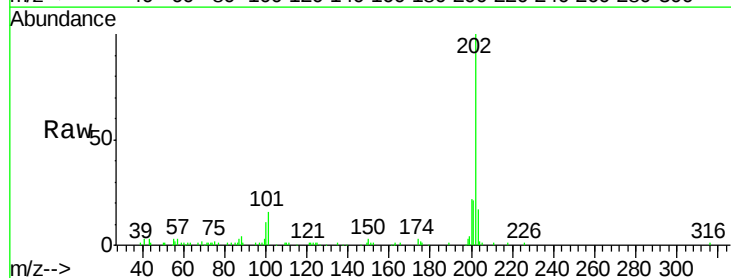
Tgt Ion:202 Resp: 62984

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

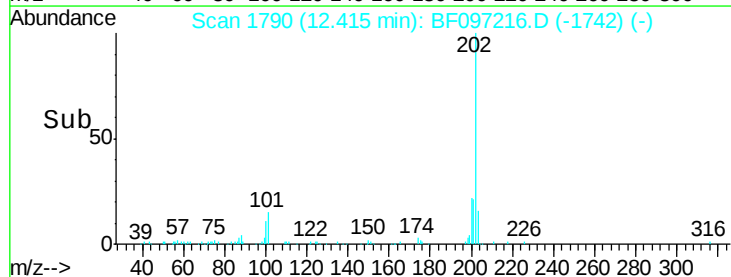
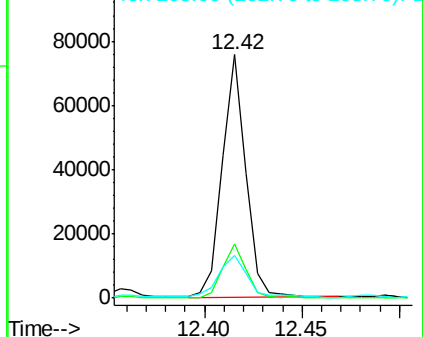
203 17.4 14.4 21.6

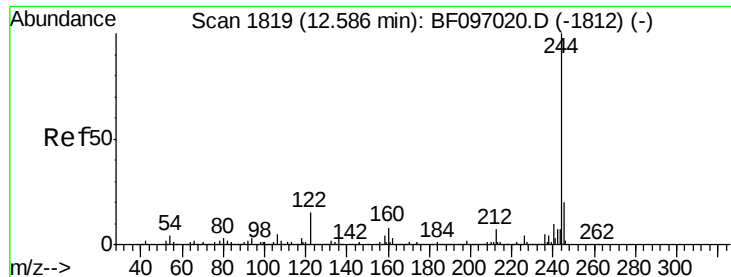


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

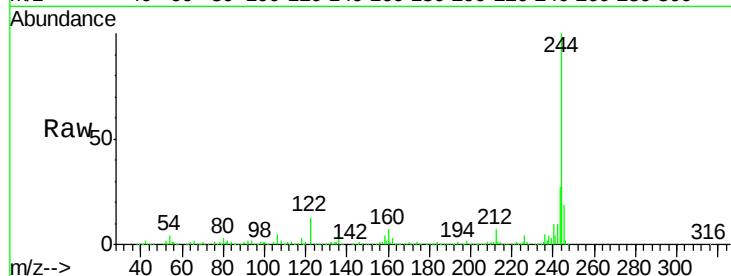




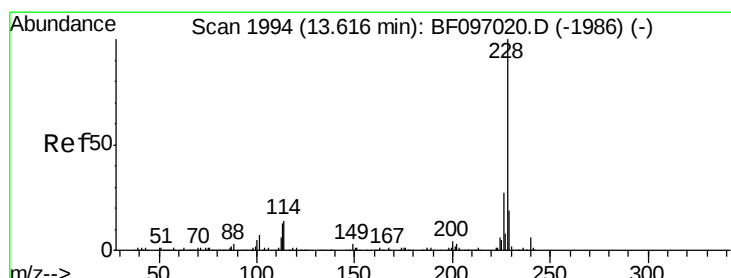
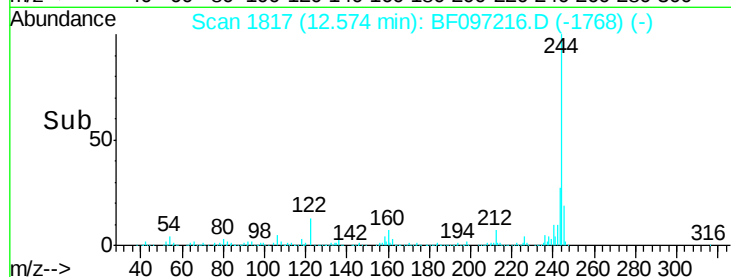
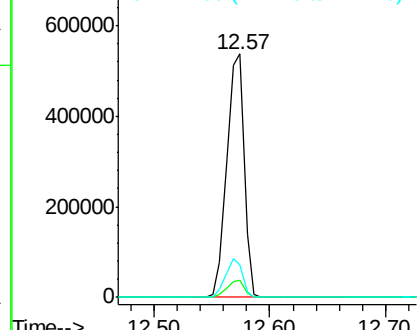
#78
 Terphenyl-d14
 Concen: 44.39 ng
 RT: 12.57 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-E

Tot Ion:244 Resp: 563801
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.3 10.3 15.5

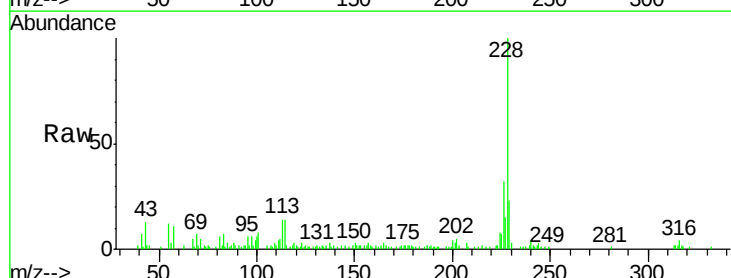


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

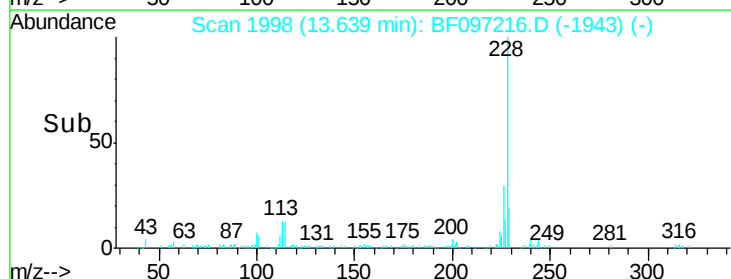
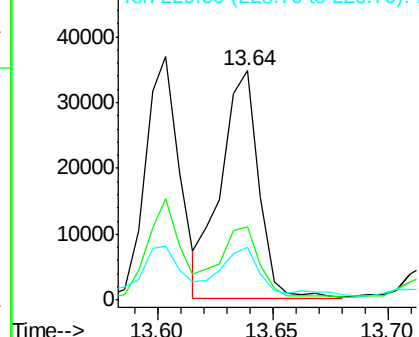


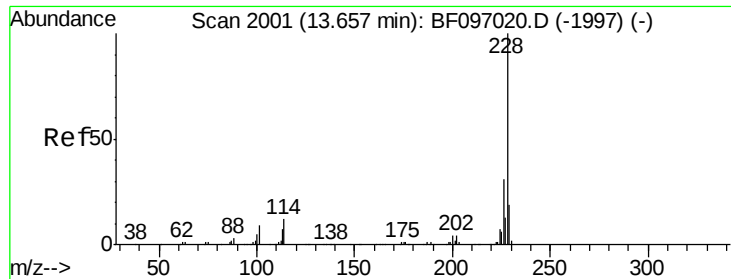
#80
 Benzo(a)anthracene
 Concen: 2.35 ng
 RT: 13.64 min Scan# 1998
 Delta R.T. 0.02 min
 Lab File: BF097216.D
 Acq: 31 Jul 2017 19:05

Tgt Ion:228 Resp: 39310
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.6 33.8
 229 23.3 16.3 24.5



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: 2.40 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-E

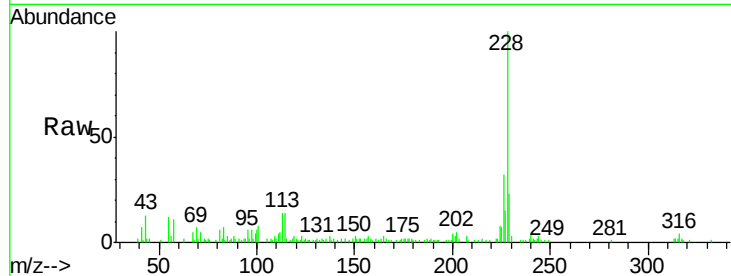
Tot Ion:228 Resp: 39310

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

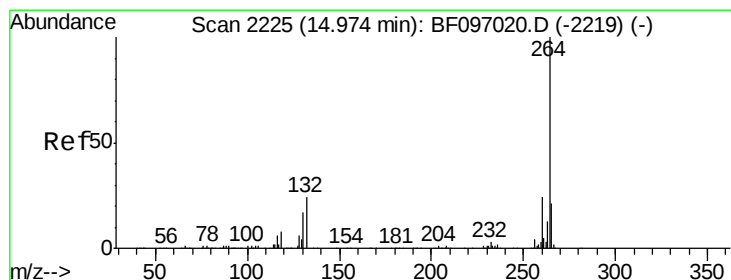
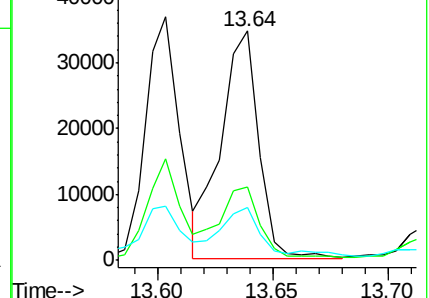
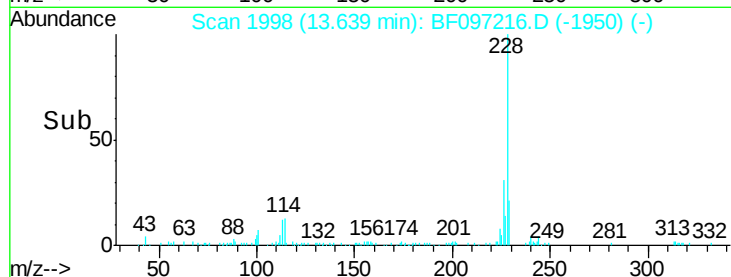
229 23.3 15.8 23.6



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: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

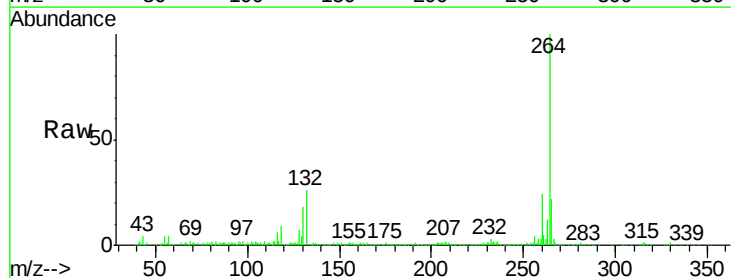
Tgt Ion:264 Resp: 219418

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

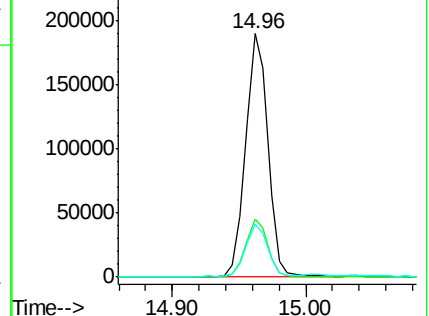
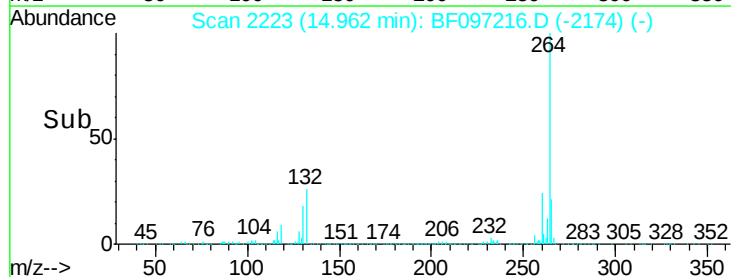
265 21.5 17.2 25.8

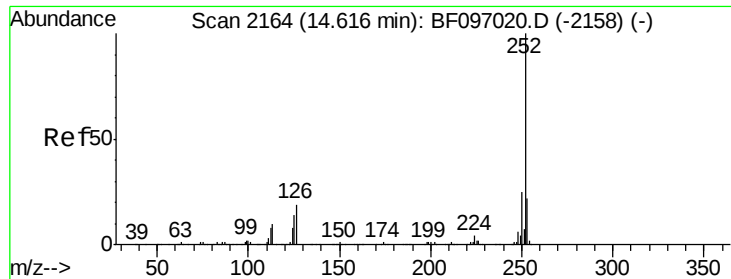


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.56 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-E

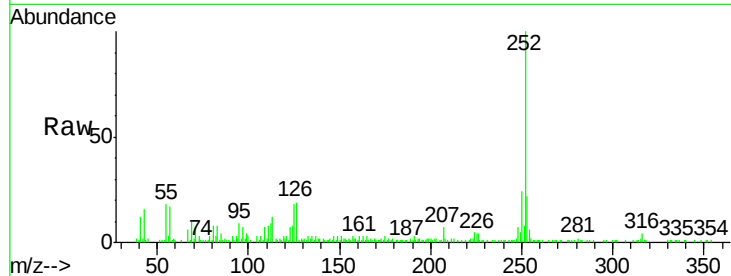
Tot Ion:252 Resp: 73278

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

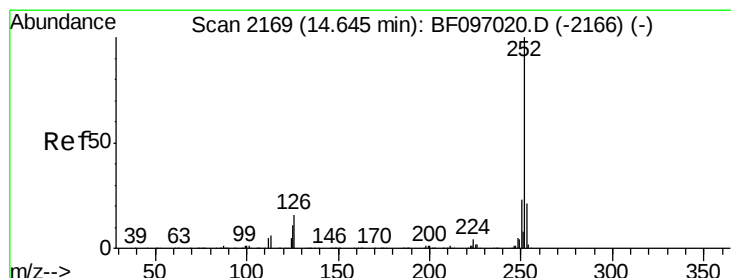
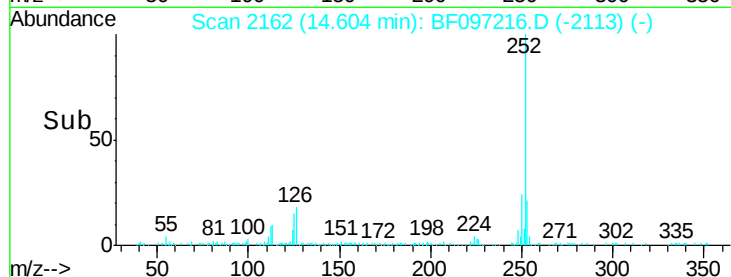
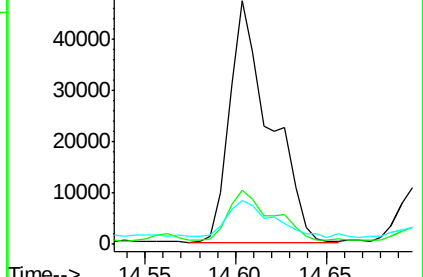
125 18.0 9.8 14.8#



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: 5.83 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097216.D

Acq: 31 Jul 2017 19:05

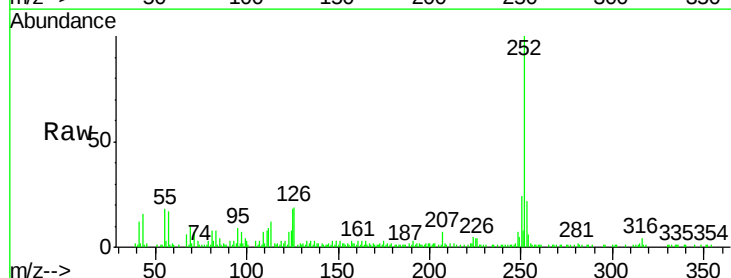
Tgt Ion:252 Resp: 73278

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

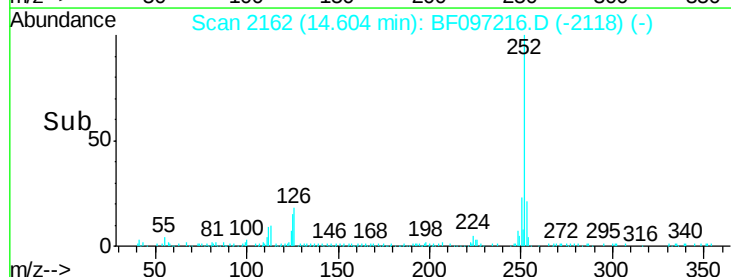
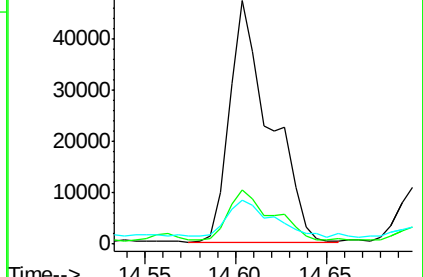
125 18.0 13.1 19.7

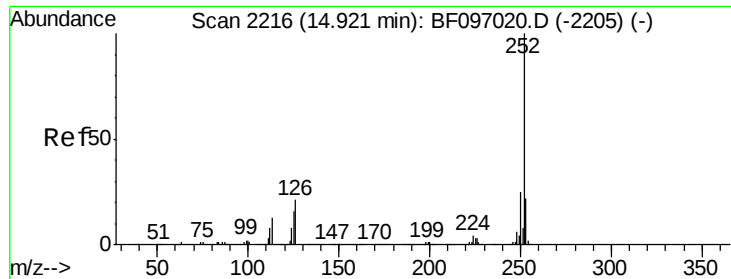


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

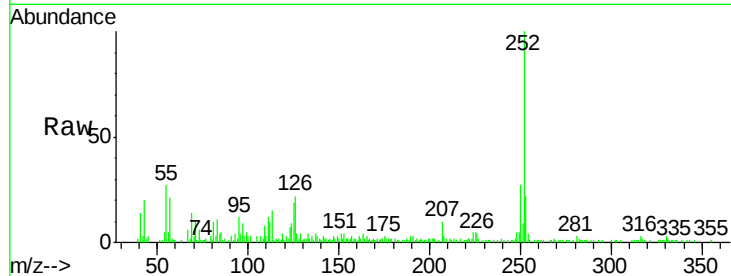




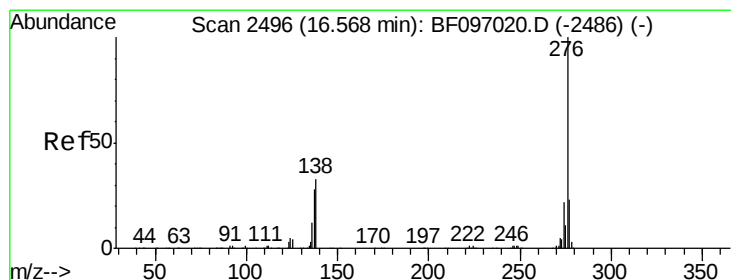
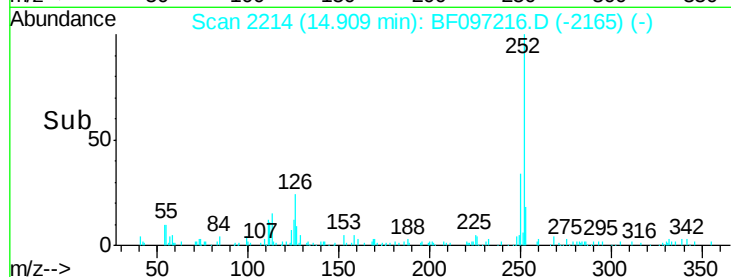
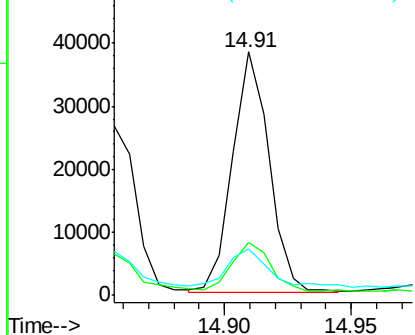
#89
Benzo(a)pyrene
Concen: 3.19 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	19.1	11.0	16.4

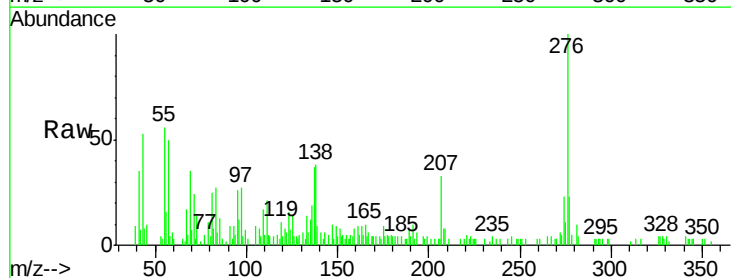


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.44 ng
RT: 16.55 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BF097216.D
Acq: 31 Jul 2017 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	38.1	25.4	38.0



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

