

Data File : BF096955.D
Acq On : 21 Jul 2017 20:27
Operator : SJ/JU
Sample : I4347-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Quant Time: Jul 21 23:14:58 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	111030	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	442226	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	164181	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	219206	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	204297	20.00	ng	-0.05
86) Perylene-d12	15.05	264	206310	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	597494	80.91	ng	-0.04
7) Phenol-d6	6.22	99	708715	79.98	ng	-0.04
23) Nitrobenzene-d5	7.12	82	488093	68.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	123283	87.97	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	808717	77.82	ng	-0.05
78) Terphenyl-d14	12.64	244	456115	38.72	ng	-0.05

Target Compounds				Qvalue		
10) Phenol	6.23	94	35145	3.51	ng	93
19) n-Nitroso-di-n-propylamine	7.12	70	63886	11.97	ng	# 87
25) Isophorone	7.12	82	467803	35.22	ng	# 67
49) Dimethylphthalate	9.31	163	122047	9.87	ng	99
56) 2,4-Dinitrotoluene	9.58	165	20727	6.02	ng	# 33
66) 4-Bromophenyl-phenylether	10.37	248	7914	3.54	ng	# 1
70) Phenanthrene	11.08	178	30084	2.52	ng	97
71) Anthracene	11.08	178	30084	2.50	ng	98
74) Fluoranthene	12.26	202	60902	5.34	ng	97
77) Pyrene	12.49	202	55673	3.00	ng	99
80) Benzo(a)anthracene	13.67	228	36788	2.89	ng	95
82) Chrysene	13.71	228	35526	2.83	ng	98
85) Indeno(1,2,3-cd)pyrene	16.31	276	20343	5.02	ng	# 91
87) Benzo(b)fluoranthene	14.68	252	68135	5.48	ng	# 89
88) Benzo(k)fluoranthene	14.68	252	68135	5.78	ng	# 93
89) Benzo(a)pyrene	14.99	252	36345	3.18	ng	# 90

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

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B-2(6-10)COMP

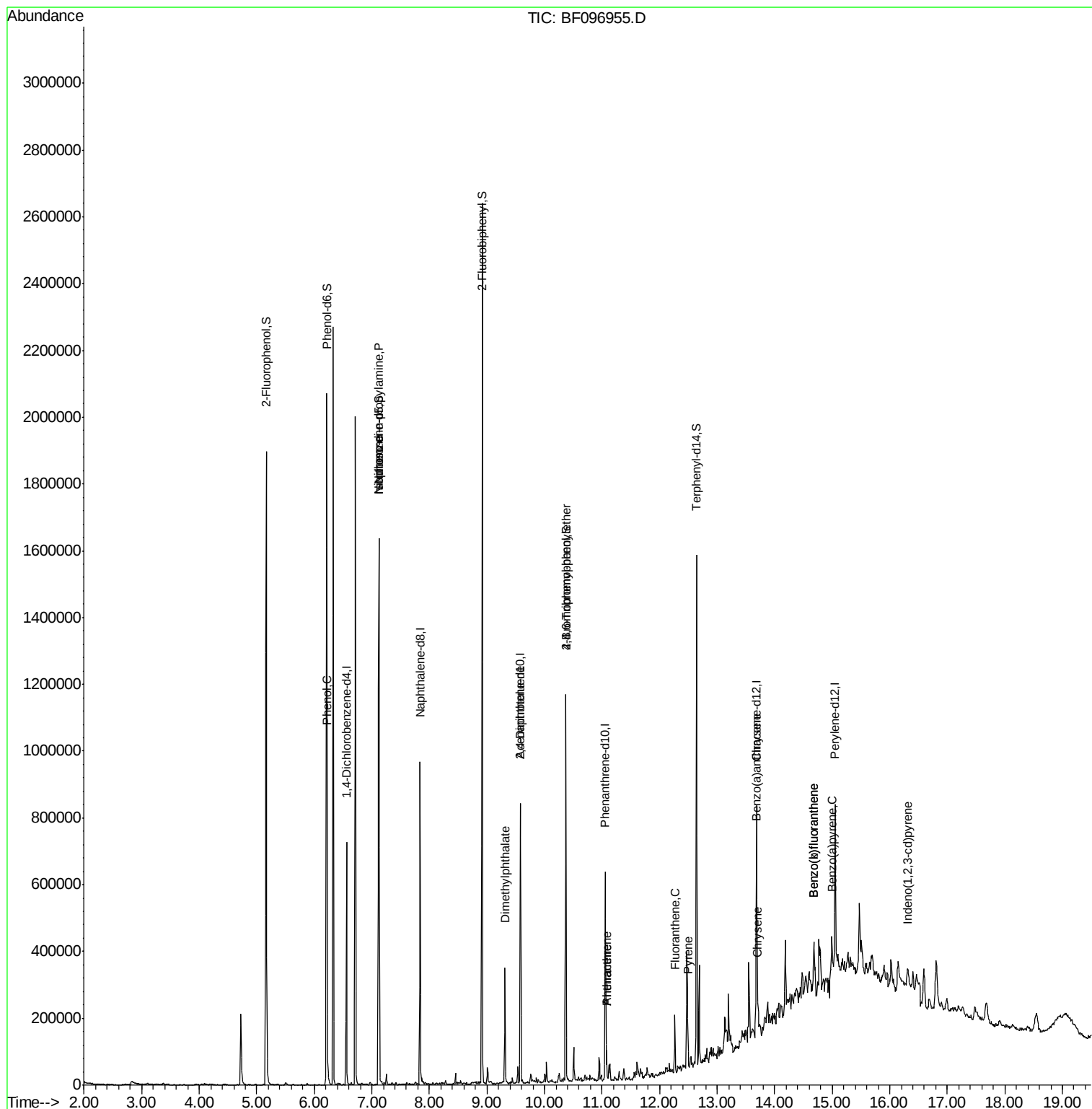
Quant Time: Jul 21 23:14:58 2017

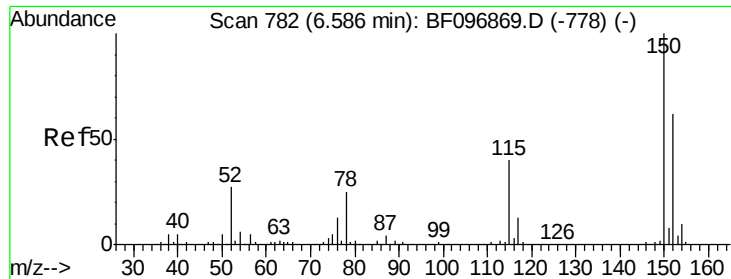
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

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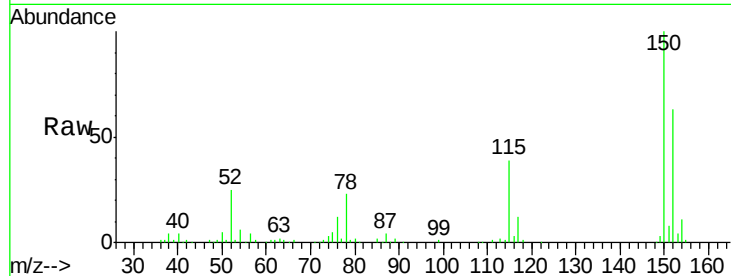




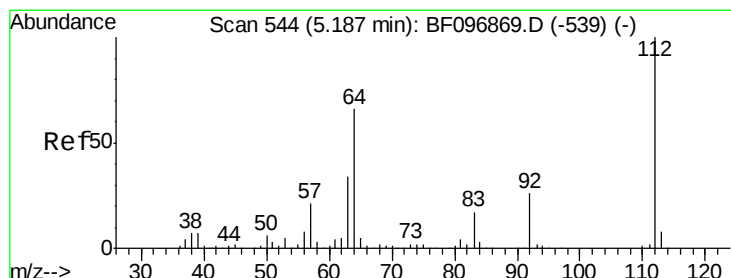
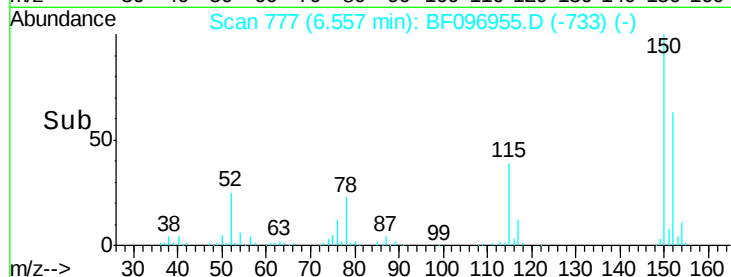
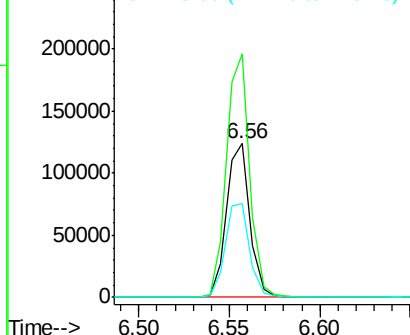
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 777
 Delta R.T. -0.04 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Tgt Ion:152 Resp: 111030
 Ion Ratio Lower Upper
 152 100
 150 158.7 126.2 189.2
 115 61.3 52.2 78.2

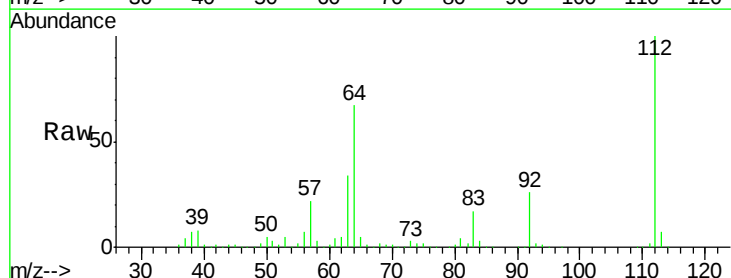


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

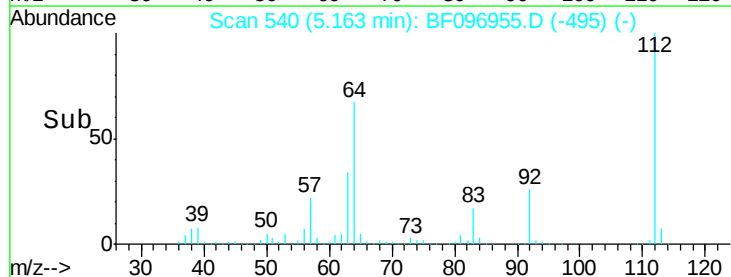
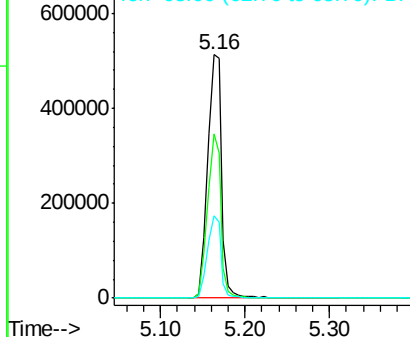


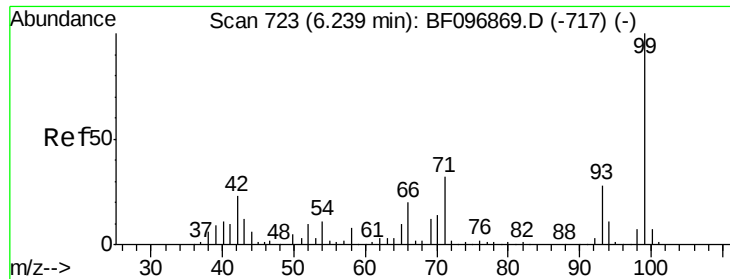
#5
 2-Fluorophenol
 Concen: 80.91 ng
 RT: 5.16 min Scan# 540
 Delta R.T. -0.04 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:112 Resp: 597494
 Ion Ratio Lower Upper
 112 100
 64 67.3 46.0 69.0
 63 33.8 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: 79.98 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Instrument :

BNA_F

ClientSampleId :

B-2(6-10)COMP

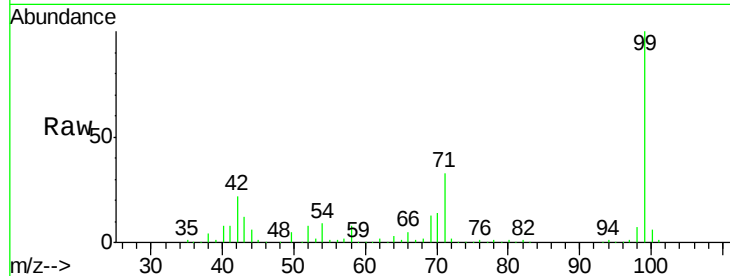
Tgt Ion: 99 Resp: 708715

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

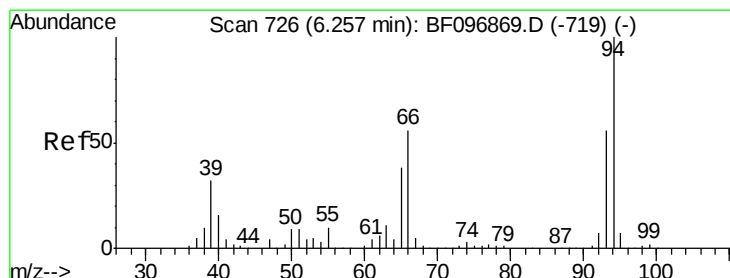
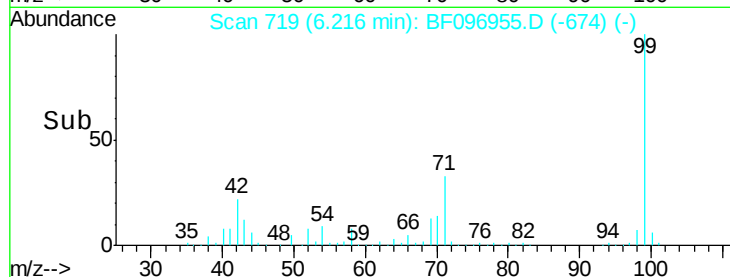
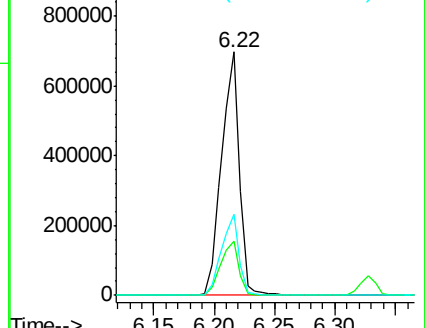
71 33.3 24.5 36.7



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: 3.51 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

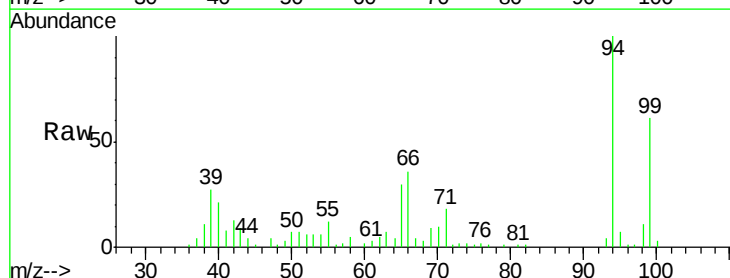
Tgt Ion: 94 Resp: 35145

Ion Ratio Lower Upper

94 100

65 29.8 9.9 49.9

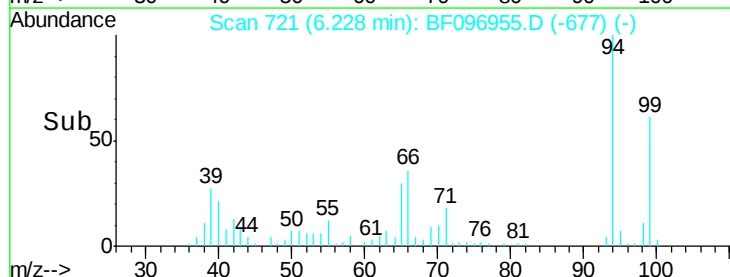
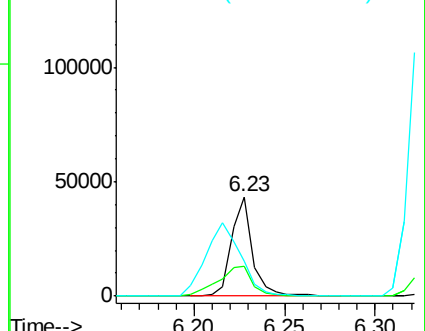
66 35.6 23.1 63.1

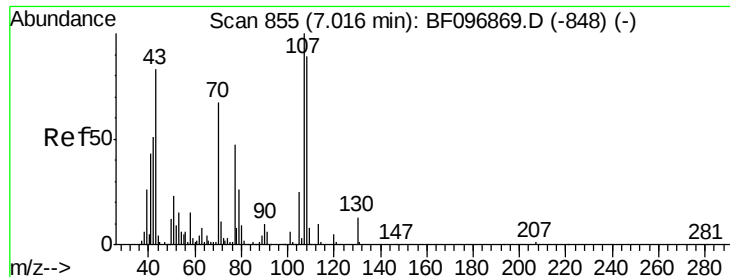


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

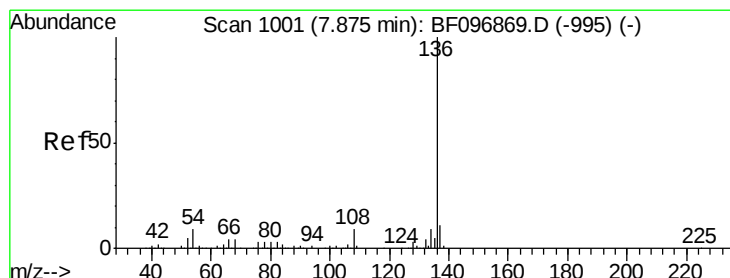
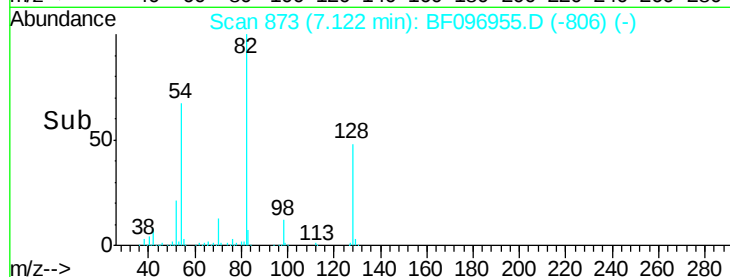
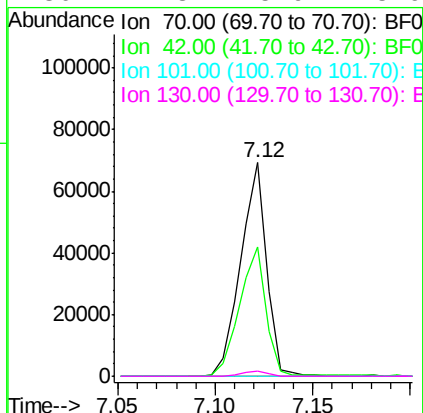
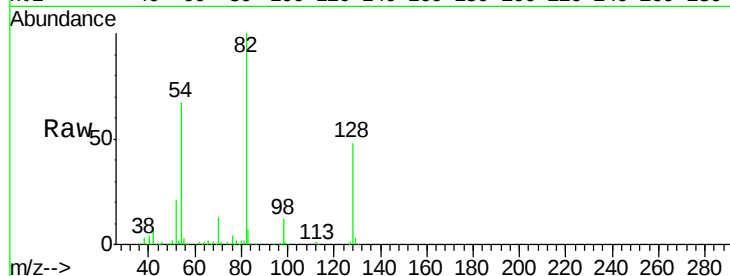




#19
n-Nitroso-di-n-propylamine
Concen: 11.97 ng
RT: 7.12 min Scan# 873
Delta R.T. 0.09 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

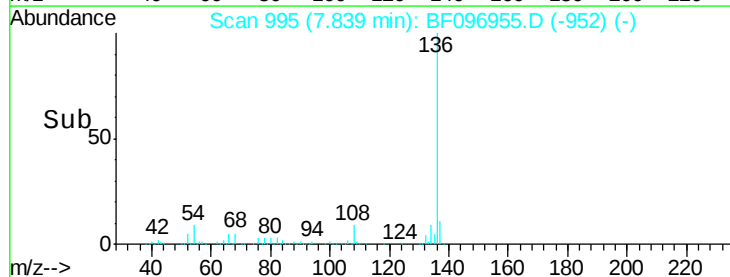
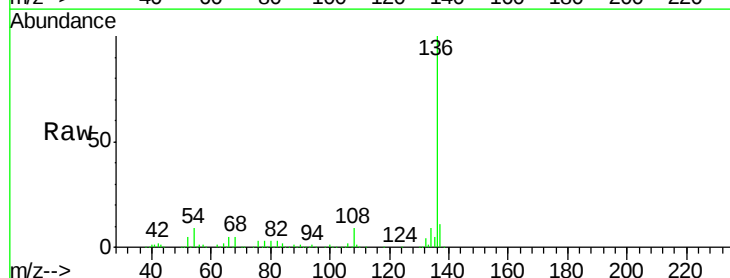
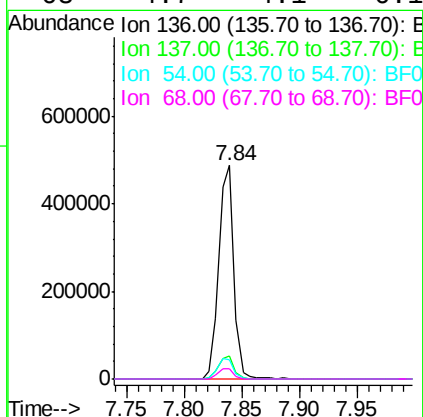
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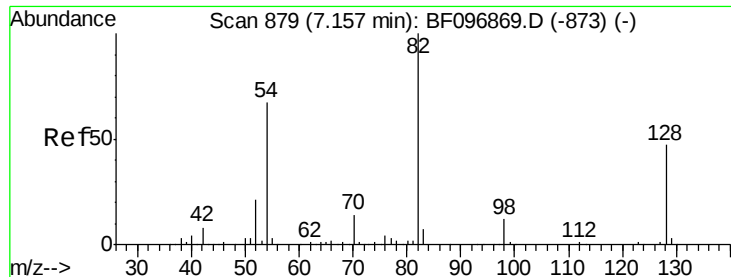
Tgt Ion: 70 Resp: 63886
Ion Ratio Lower Upper
70 100
42 60.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 995
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion: 136 Resp: 442226
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 8.8 4.9 7.3#
68 4.7 4.1 6.1

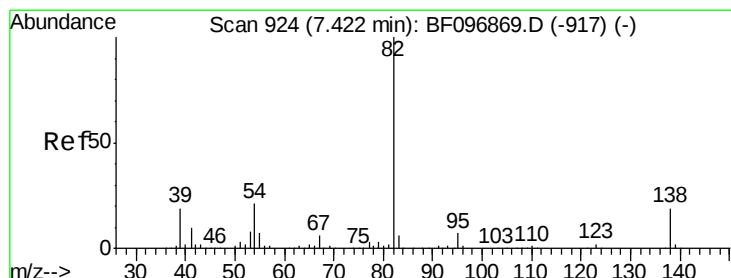
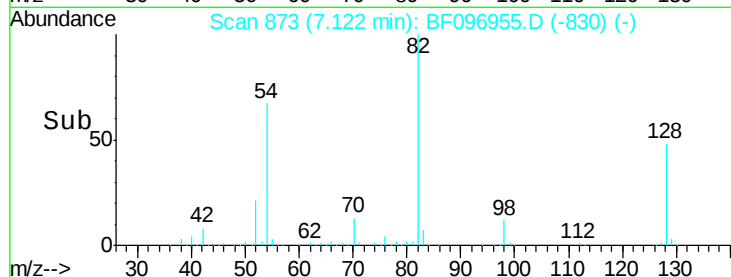
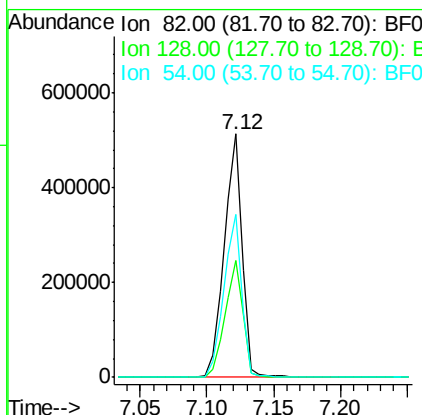
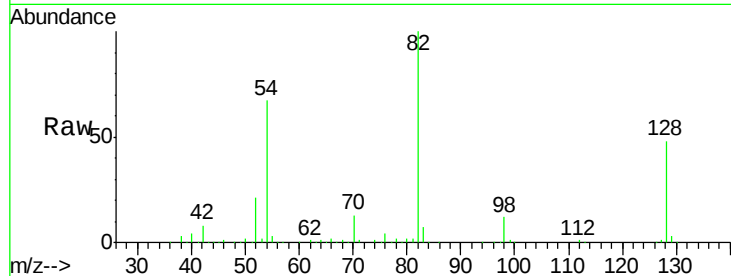




#23
 Nitrobenzene-d5
 Concen: 68.37 ng
 RT: 7.12 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

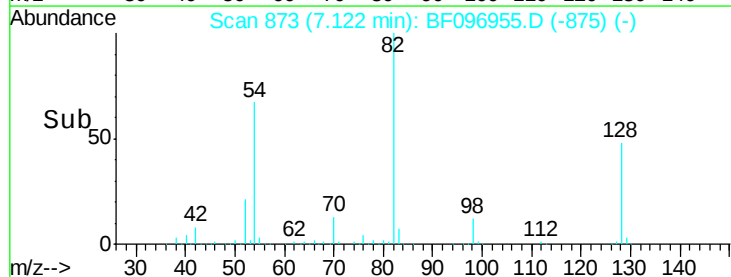
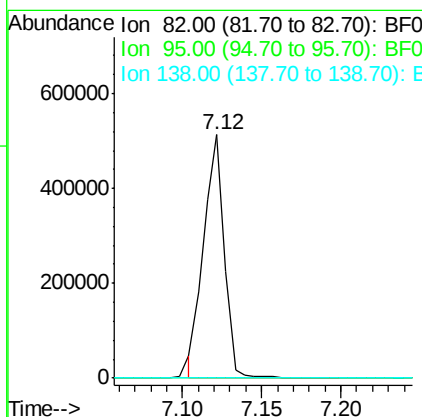
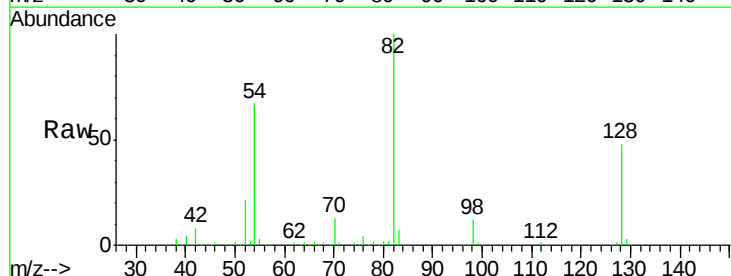
Instrument :
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 ClientSampleId :
 B-2(6-10)COMP

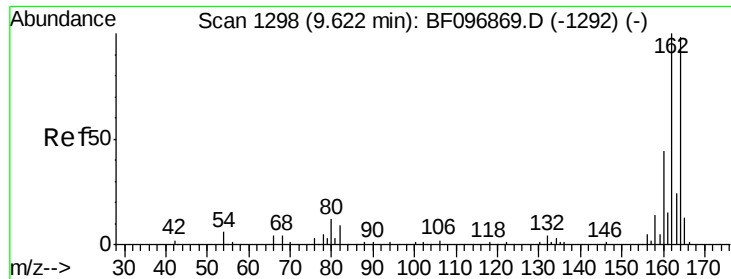
Tgt Ion: 82 Resp: 488093
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.0 51.0
 54 66.9 42.2 63.2#



#25
 Isophorone
 Concen: 35.22 ng
 RT: 7.12 min Scan# 873
 Delta R.T. -0.31 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion: 82 Resp: 467803
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

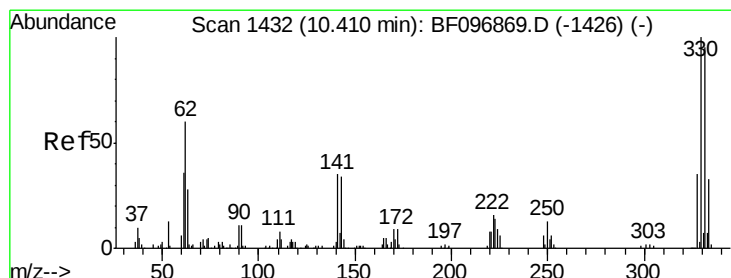
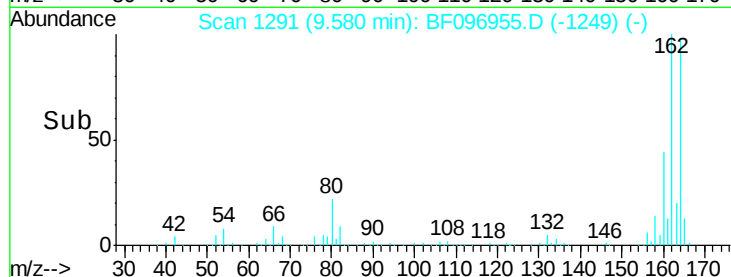
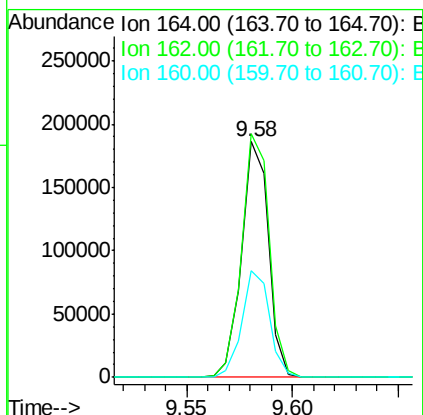
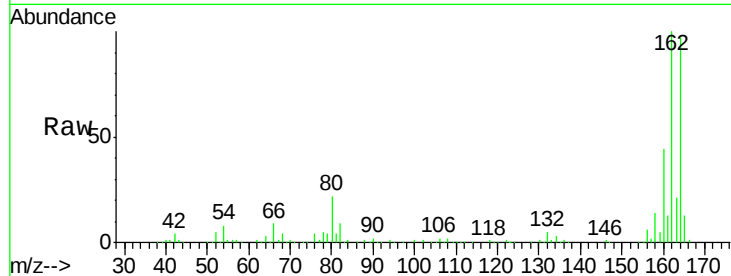




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

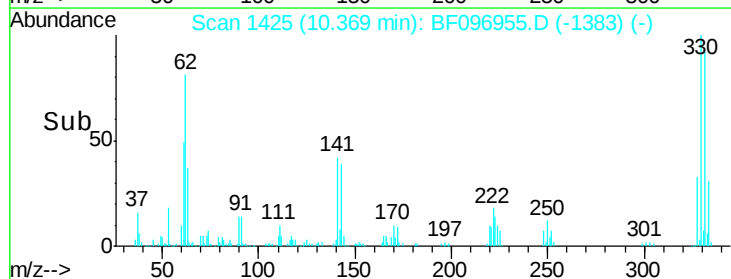
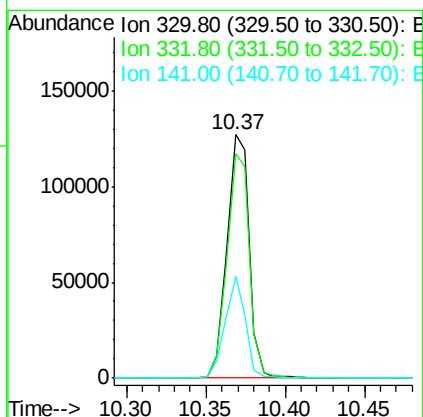
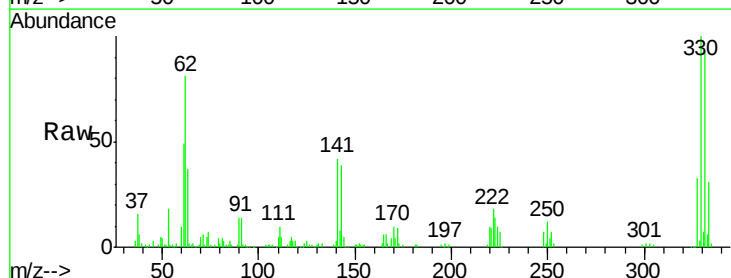
Instrument :
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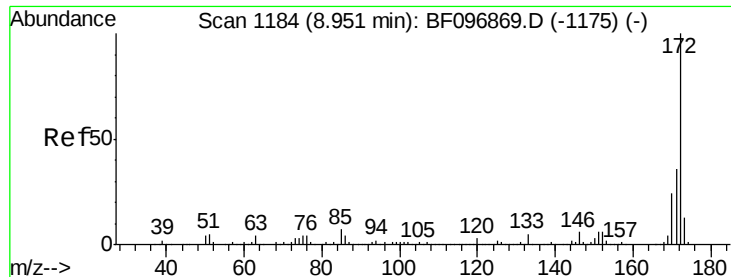
Tgt Ion:164 Resp: 164181
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 45.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 87.97 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:330 Resp: 123283
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.6 115.0
 141 38.2 31.4 47.2

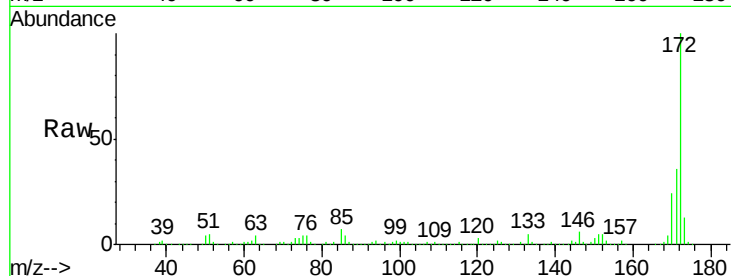




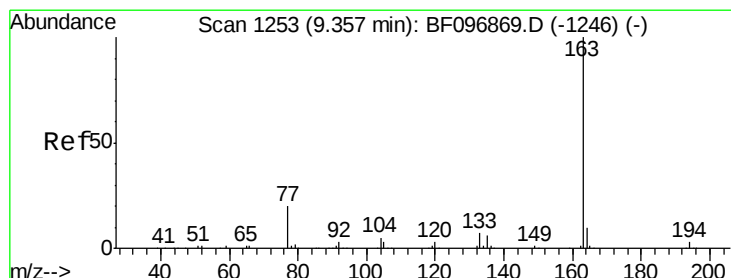
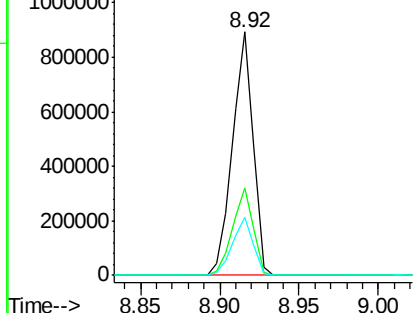
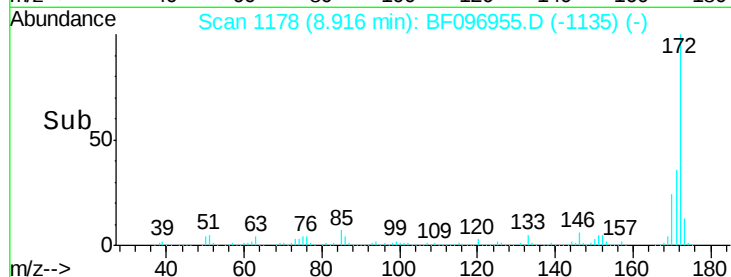
#44
 2-Fluorobiphenyl
 Concen: 77.82 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
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 ClientSampleId :
 B-2(6-10)COMP

Tgt Ion:172 Resp: 808717
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.9 19.8 29.8

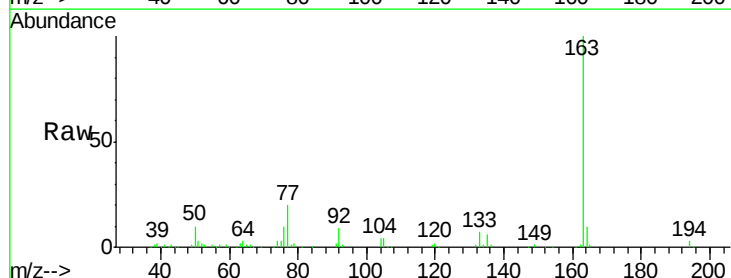


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

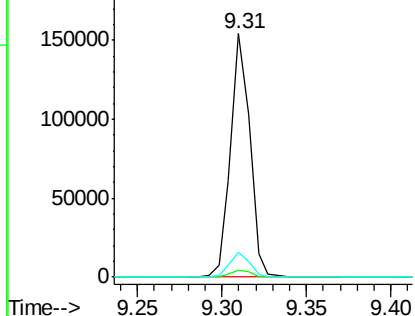
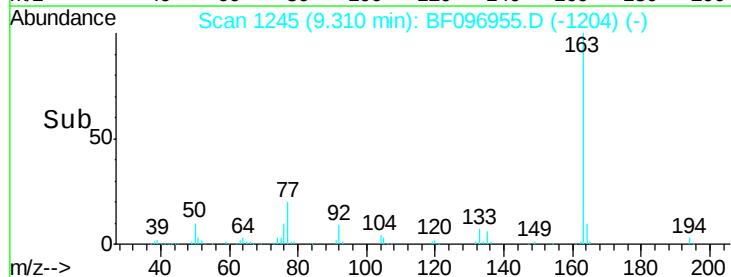


#49
 Dimethylphthalate
 Concen: 9.87 ng
 RT: 9.31 min Scan# 1245
 Delta R.T. -0.06 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:163 Resp: 122047
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 10.4 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

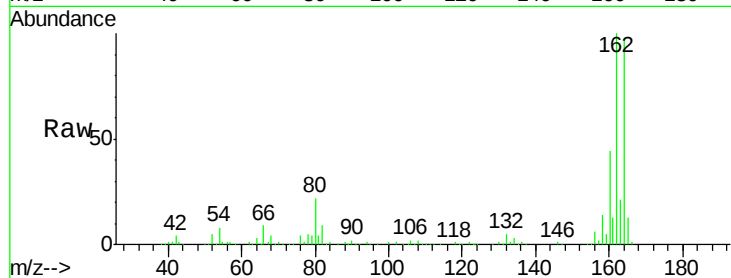




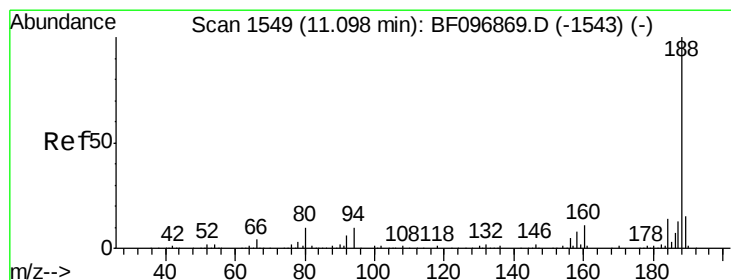
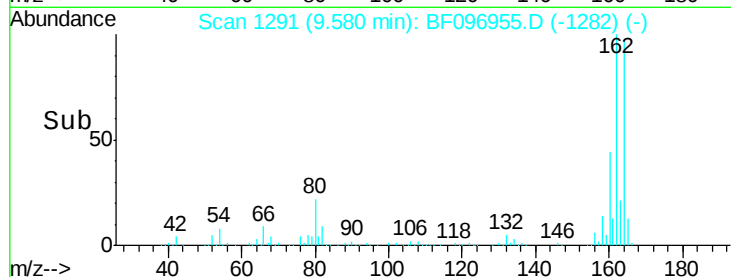
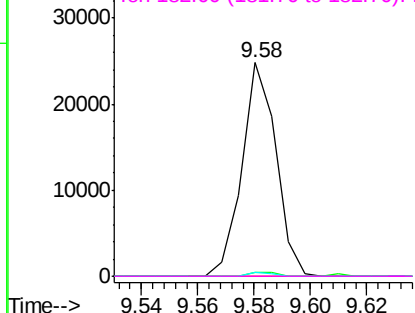
#56
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.25 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Tgt Ion:165 Resp: 20727
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#

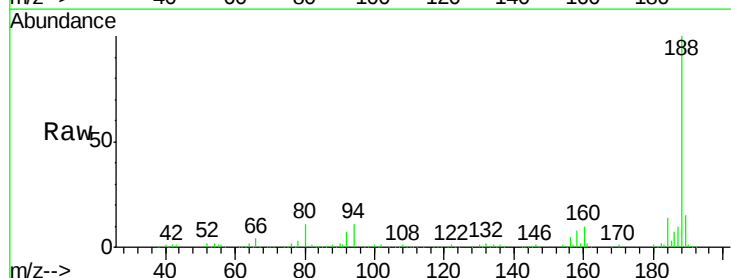


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

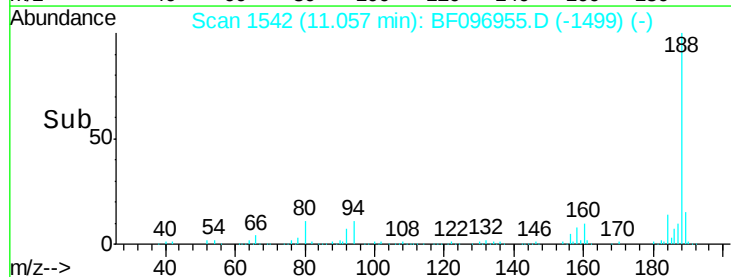
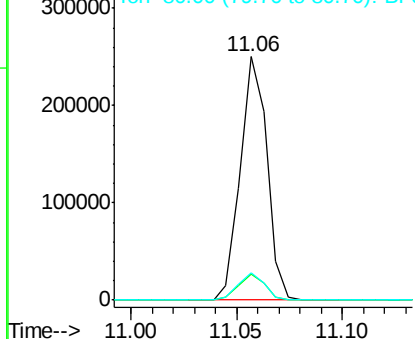


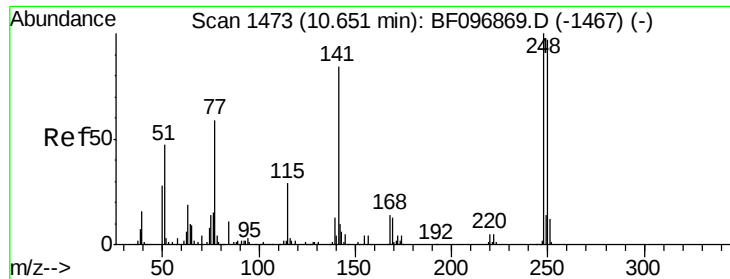
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 1542
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:188 Resp: 219206
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.1 10.2 15.2



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

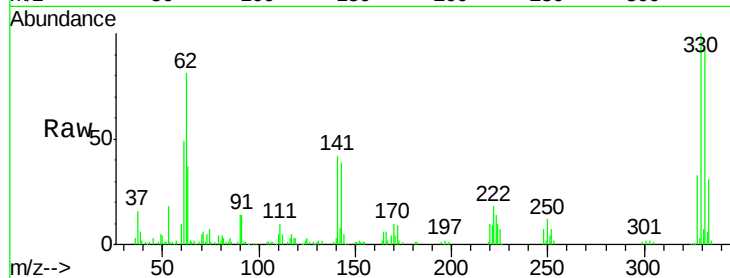




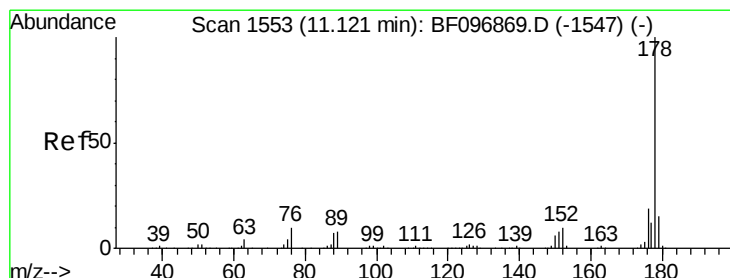
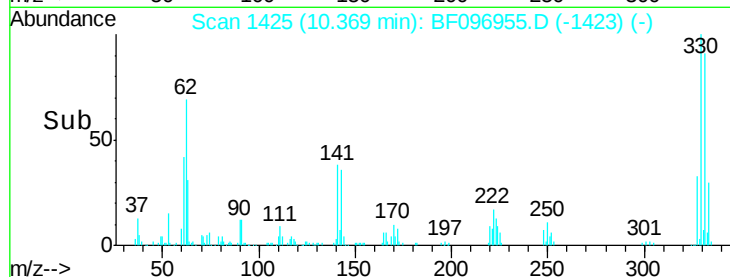
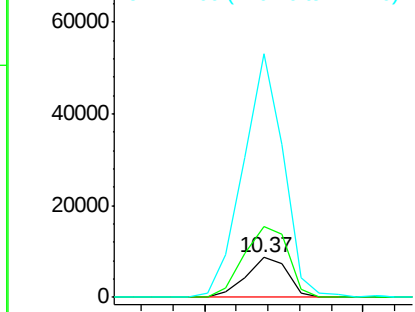
#66
4-Bromophenyl-phenylether
Concen: 3.54 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.29 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tgt Ion:248 Resp: 7914
Ion Ratio Lower Upper
248 100
250 175.6 76.8 115.2#
141 608.3 68.6 103.0#

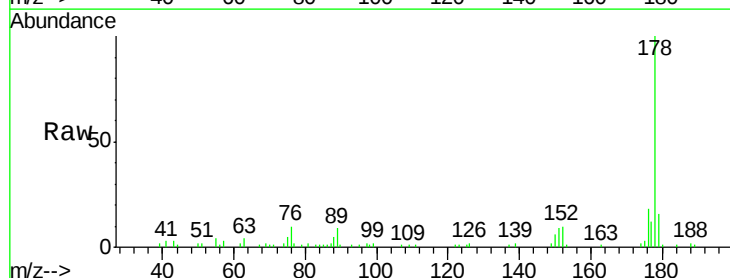


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

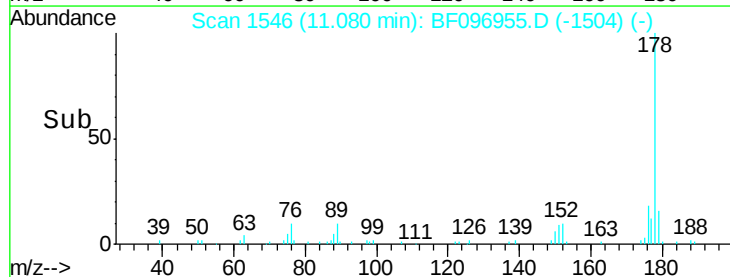
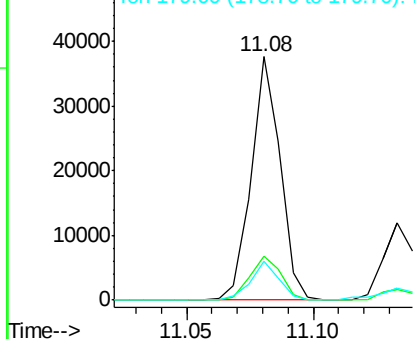


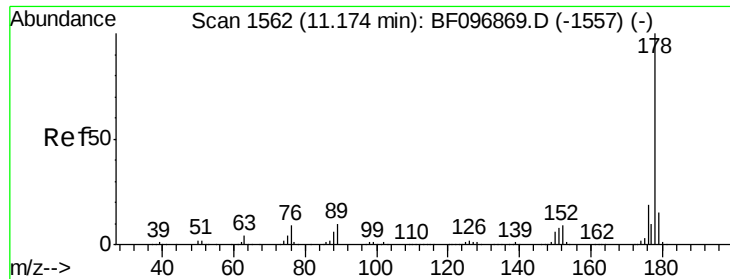
#70
Phenanthrene
Concen: 2.52 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion:178 Resp: 30084
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 15.8 12.6 19.0



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

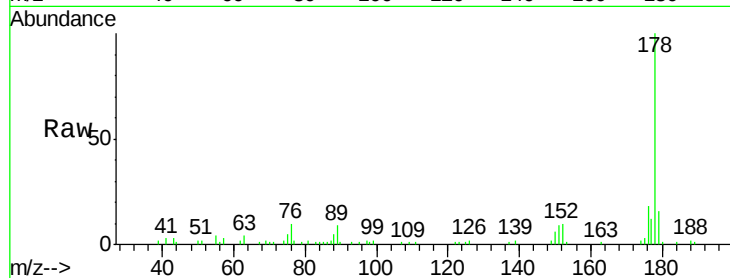




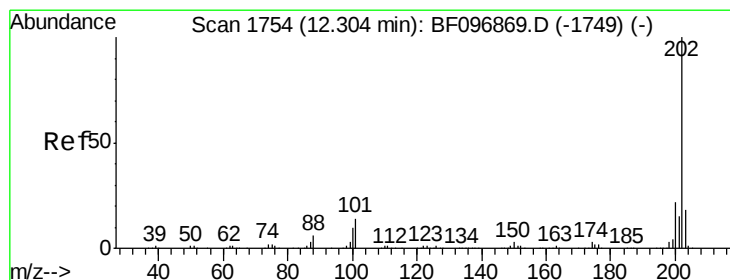
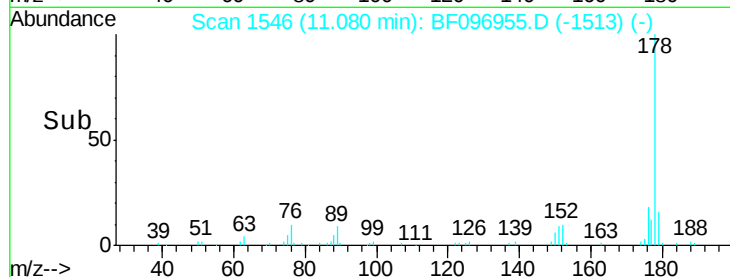
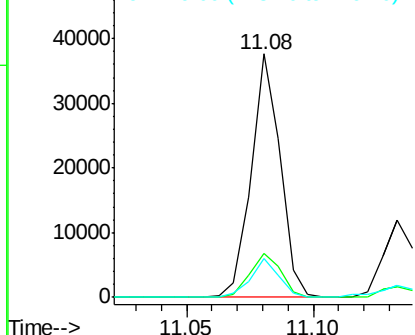
#71
 Anthracene
 Concen: 2.50 ng
 RT: 11.08 min Scan# 1546
 Delta R.T. -0.11 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Tgt Ion:178 Resp: 30084
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 15.8 12.7 19.1

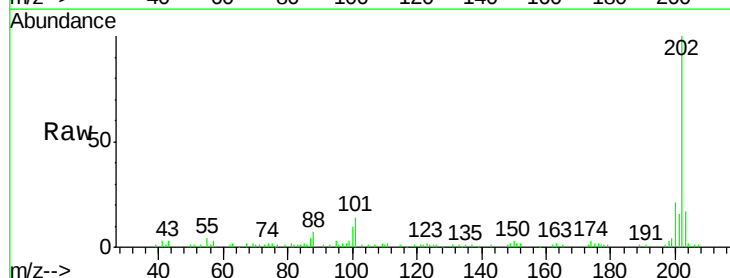


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

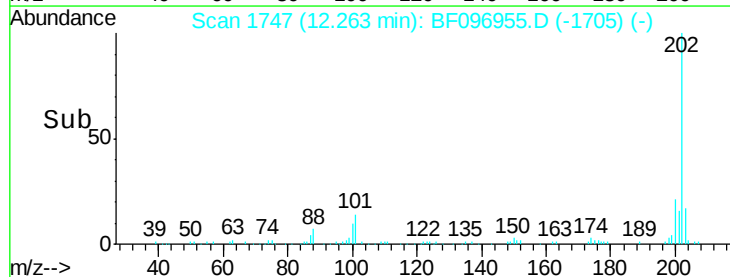
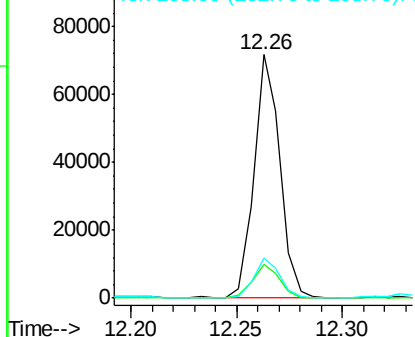


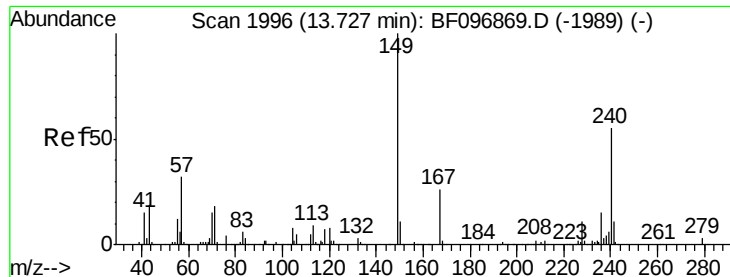
#74
 Fluoranthene
 Concen: 5.34 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:202 Resp: 60902
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 16.6 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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Instrument :

BNA_F

ClientSampleId :

B-2(6-10)COMP

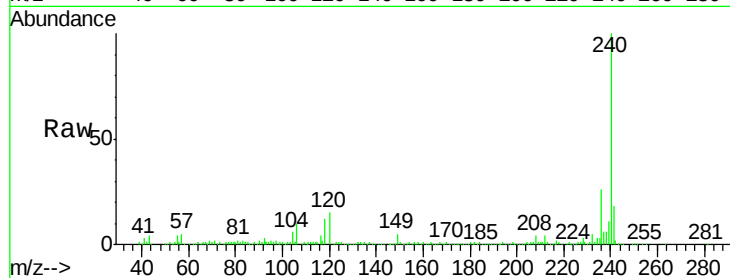
Tgt Ion:240 Resp: 204297

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

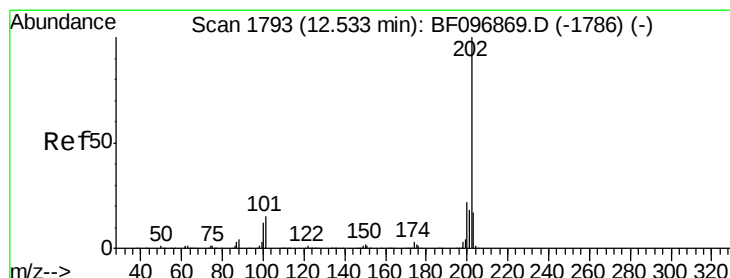
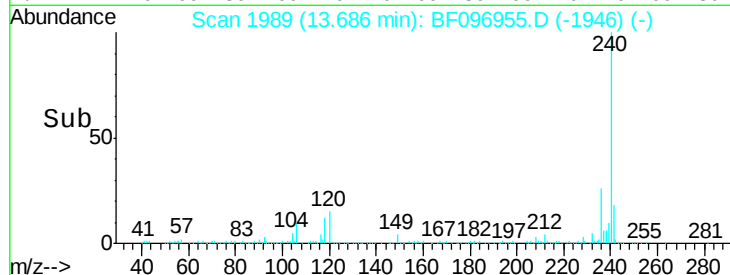
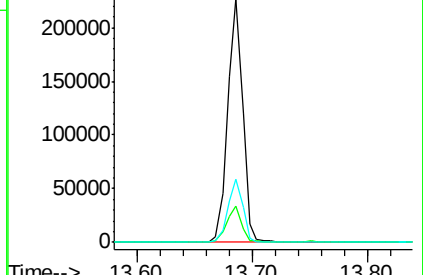
236 25.8 20.5 30.7



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: 3.00 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

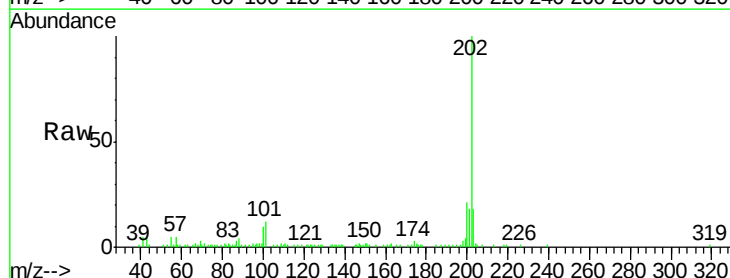
Tgt Ion:202 Resp: 55673

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

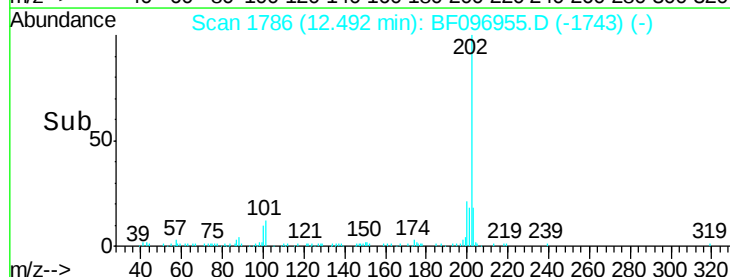
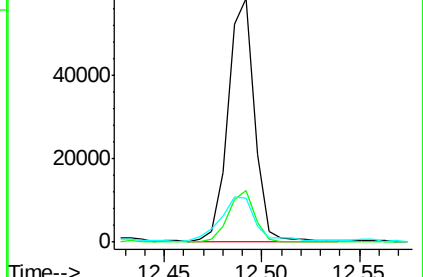
203 17.9 14.4 21.6

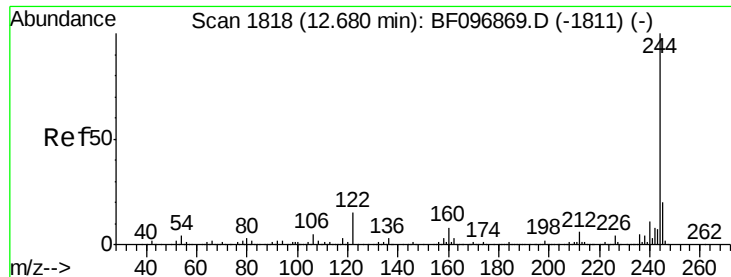


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

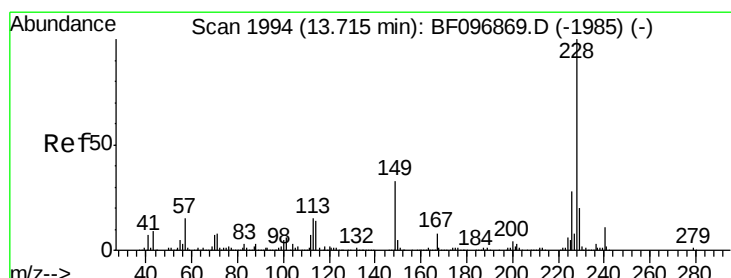
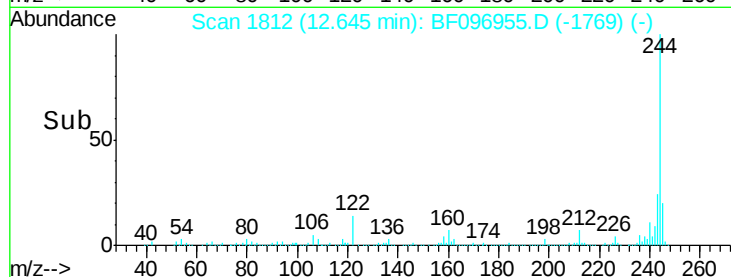
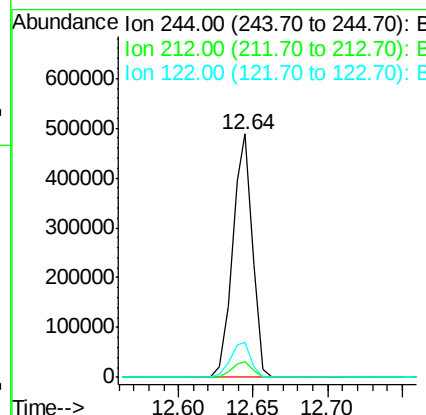
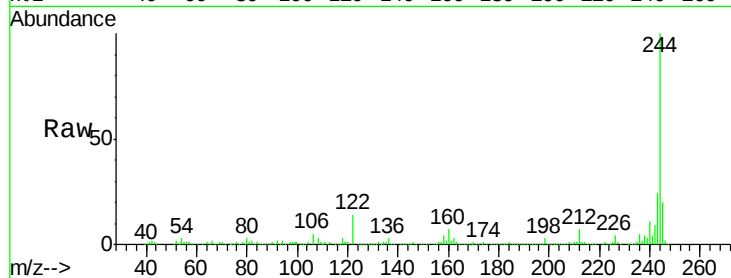




#78
 Terphenyl-d14
 Concen: 38.72 ng
 RT: 12.64 min Scan# 1812
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

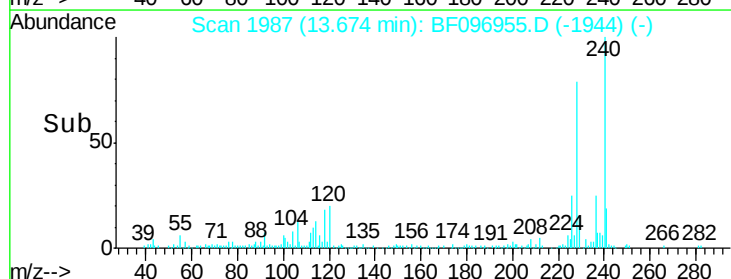
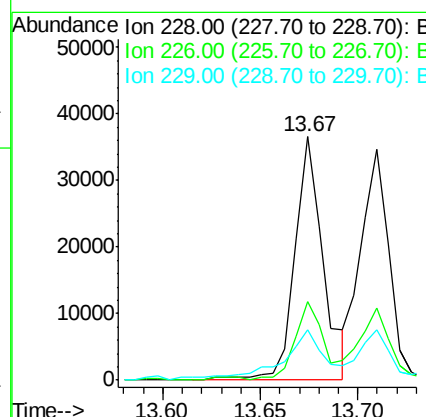
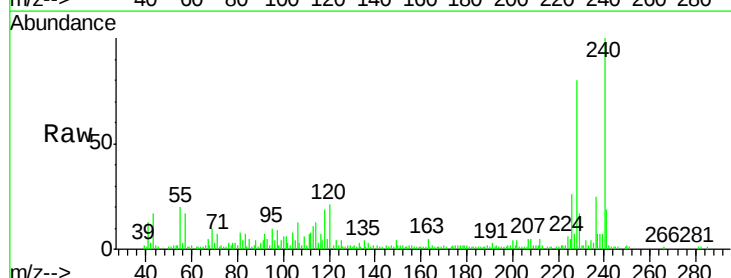
Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

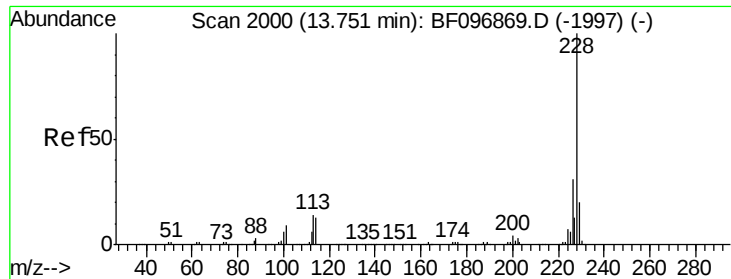
Tgt Ion:244 Resp: 456115
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.89 ng
 RT: 13.67 min Scan# 1987
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion:228 Resp: 36788
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 33.8
 229 20.7 16.3 24.5

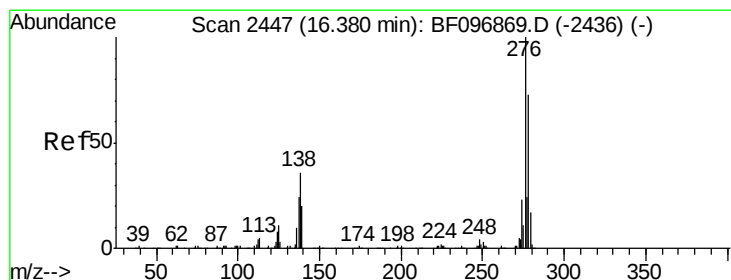
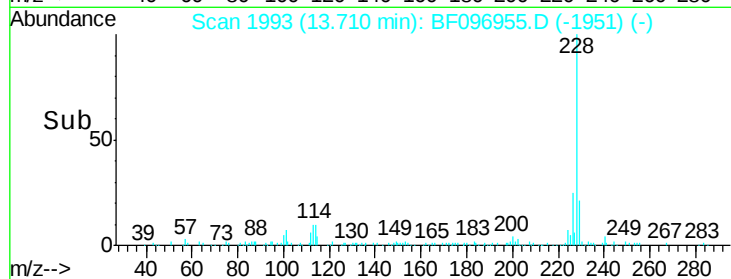
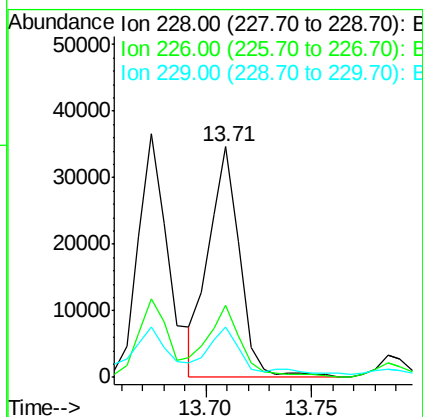
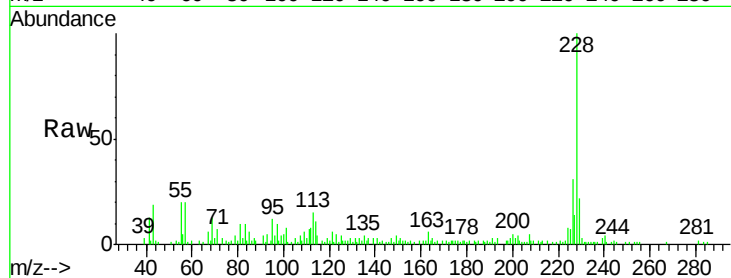




#82
Chrysene
Concen: 2.83 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

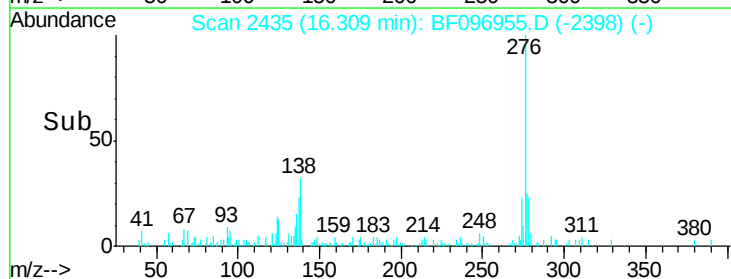
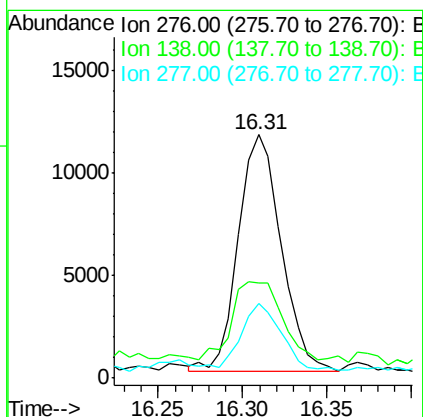
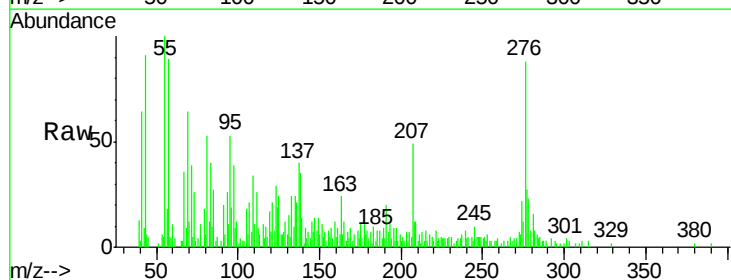
Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

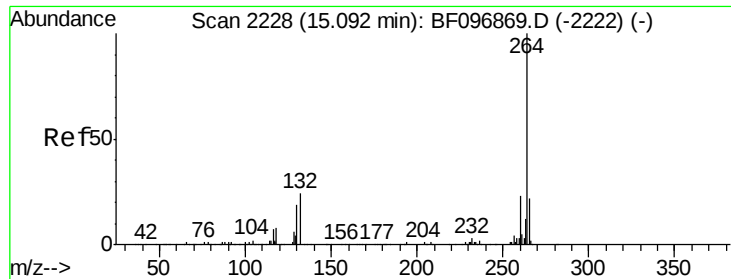
Tgt Ion: 228 Resp: 35526
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 21.9 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.02 ng
RT: 16.31 min Scan# 2435
Delta R.T. -0.08 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion: 276 Resp: 20343
Ion Ratio Lower Upper
276 100
138 42.6 27.8 41.6#
277 27.0 20.2 30.4



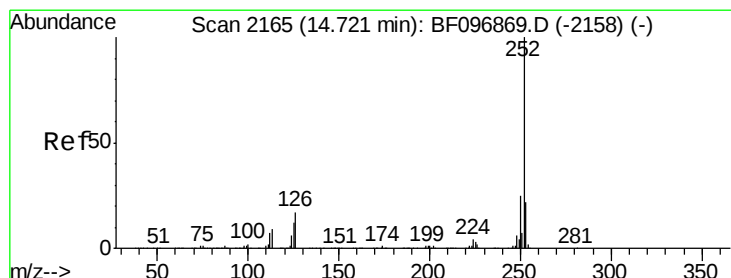
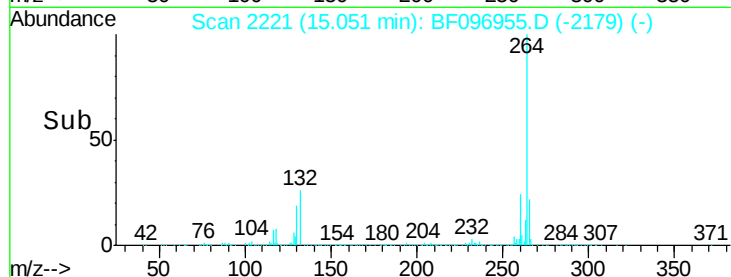
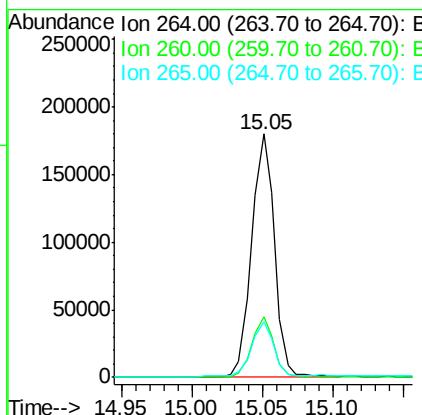
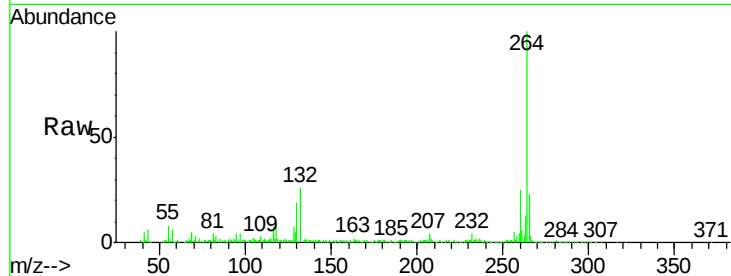


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tgt Ion:264 Resp: 206310

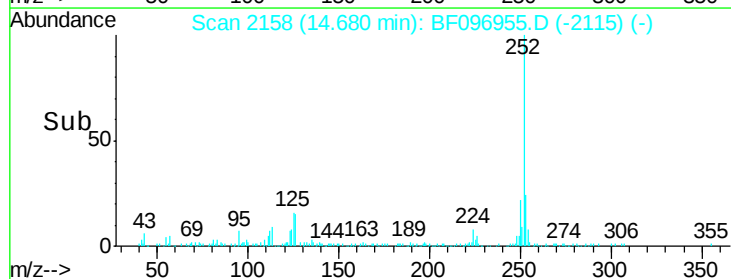
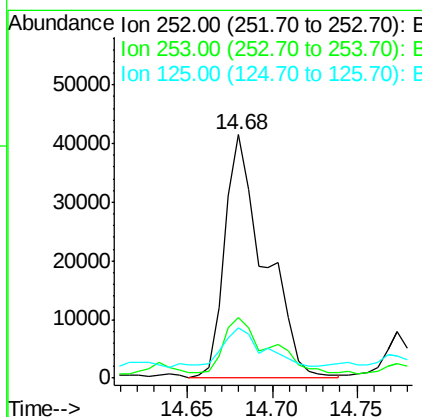
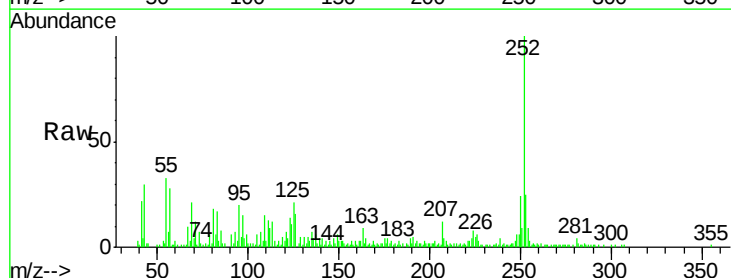
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.5	17.2	25.8

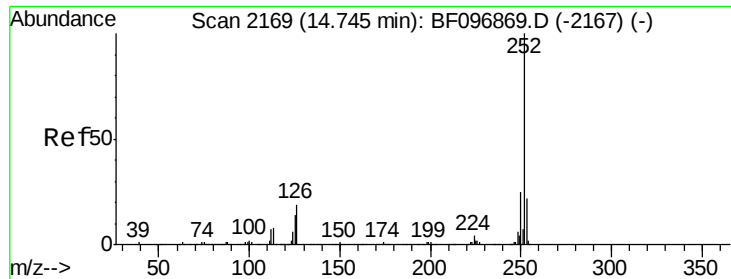


#87
Benzo(b)fluoranthene
Concen: 5.48 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion:252 Resp: 68135

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	20.7	9.8	14.8#

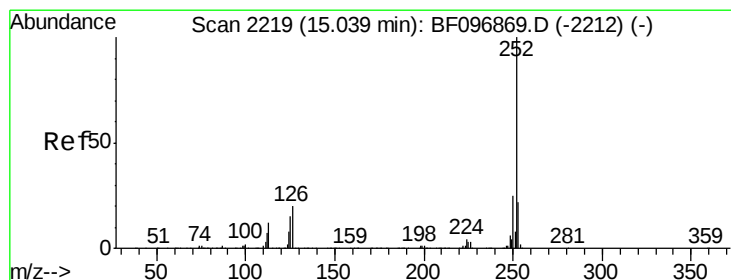
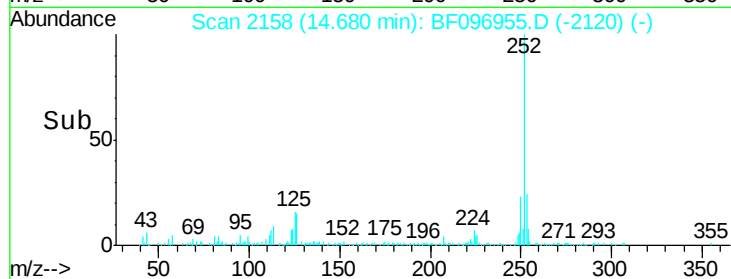
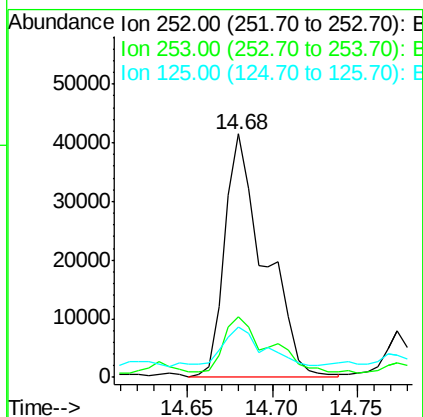
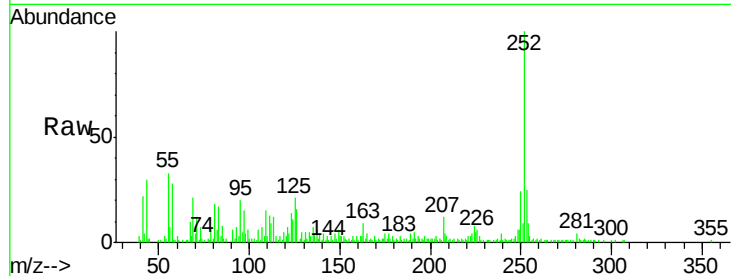




#88
Benzo(k)fluoranthene
Concen: 5.78 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.08 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tgt Ion:252 Resp: 68135
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 20.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.18 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion:252 Resp: 36345
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 22.8 11.0 16.4#

