

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096532.D
 Acq On : 6 Jul 2017 14:47
 Operator : SJ/MA
 Sample : I4053-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070317-E

Quant Time: Jul 06 18:25:36 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	122004	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	490318	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	194346	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	293688	20.00	ng	0.00
75) Chrysene-d12	13.86	240	231106	20.00	ng	0.00
86) Perylene-d12	15.28	264	180091	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	708702	85.74	ng	0.00
7) Phenol-d6	6.36	99	865163	85.14	ng	0.00
23) Nitrobenzene-d5	7.27	82	487700	59.77	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	121671	80.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	890135	78.31	ng	0.00
78) Terphenyl-d14	12.82	244	506688	46.85	ng	0.00

Target Compounds

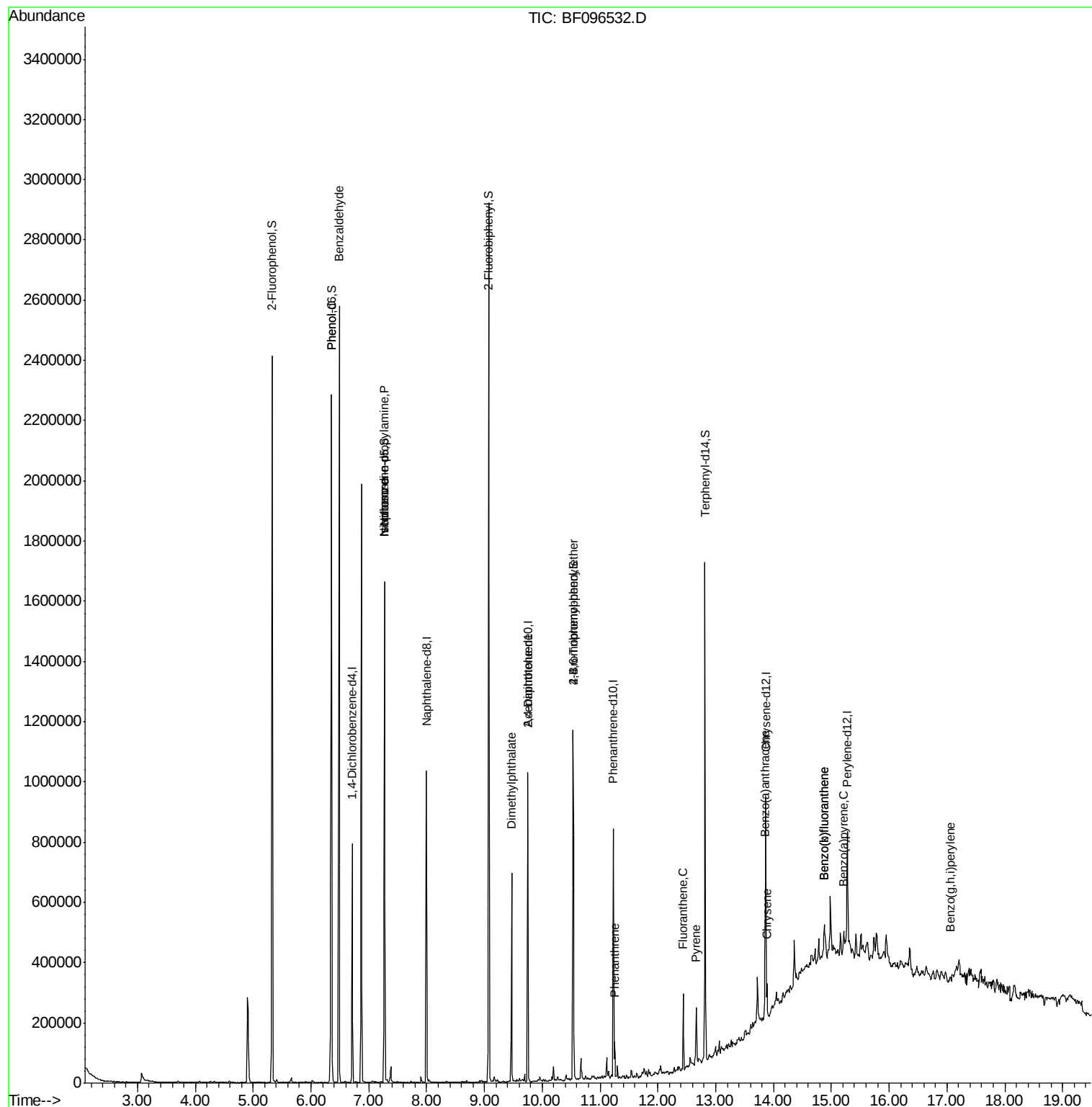
						Qvalue
9) Benzaldehyde	6.49	77	13196	2.075	ng	96
10) Phenol	6.36	94	31661	2.735	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	64102	10.589	ng	# 89
25) Isophorone	7.27	82	483137	30.538	ng	# 67
49) Dimethylphthalate	9.47	163	263405	18.156	ng	99
56) 2,4-Dinitrotoluene	9.75	165	24557	6.044	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	8141	2.848	ng	# 1
70) Phenanthrene	11.25	178	36501	2.299	ng	96
74) Fluoranthene	12.44	202	87500	5.621	ng	98
77) Pyrene	12.66	202	75302	4.059	ng	97
80) Benzo(a)anthracene	13.85	228	37539	2.805	ng	94
82) Chrysene	13.89	228	41189	2.939	ng	97
87) Benzo(b)fluoranthene	14.87	252	65622	5.815	ng	# 87
88) Benzo(k)fluoranthene	14.87	252	65622	6.501	ng	# 91
89) Benzo(a)pyrene	15.22	252	30066	2.984	ng	# 89
91) Benzo(g,h,i)perylene	17.06	276	17598	2.143	ng	# 91

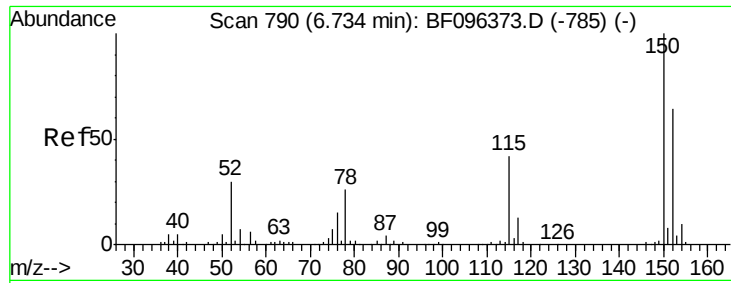
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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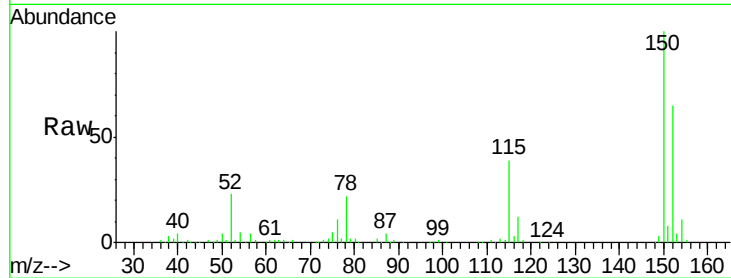




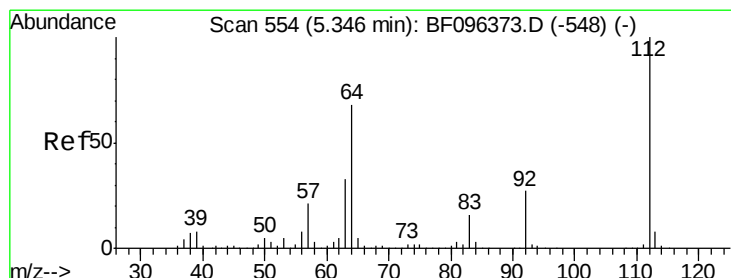
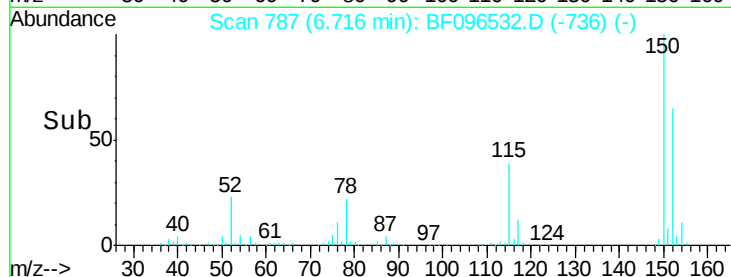
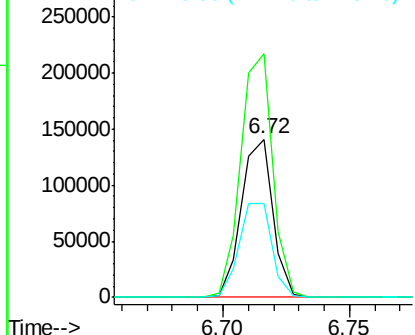
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070317-E

Tgt Ion:152 Resp: 122004
 Ion Ratio Lower Upper
 152 100
 150 154.2 126.2 189.2
 115 59.8 52.2 78.2

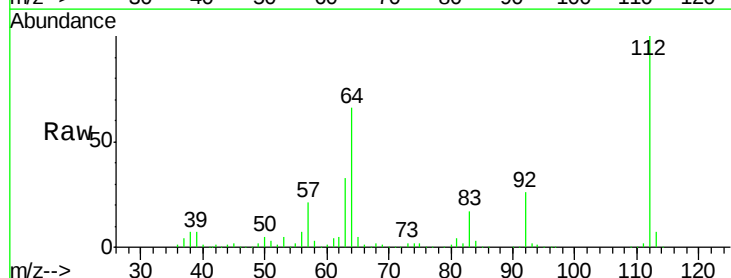


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

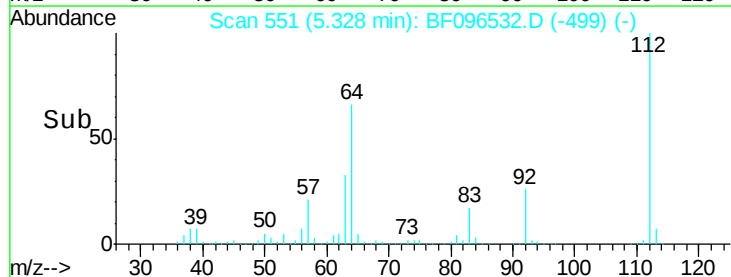
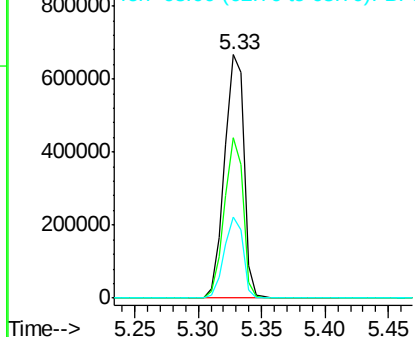


#5
 2-Fluorophenol
 Concen: 85.737 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

Tgt Ion:112 Resp: 708702
 Ion Ratio Lower Upper
 112 100
 64 65.7 46.0 69.0
 63 33.1 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: 85.137 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

BNA_F

ClientSampleId :

CL-02-070317-E

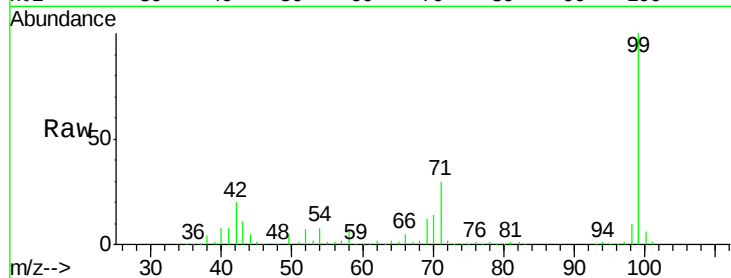
Tgt Ion: 99 Resp: 865163

Ion Ratio Lower Upper

99 100

42 20.4 13.5 20.3#

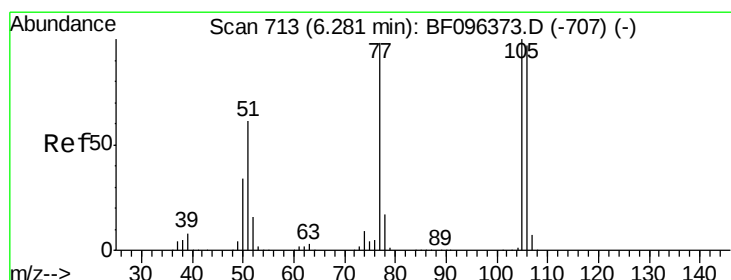
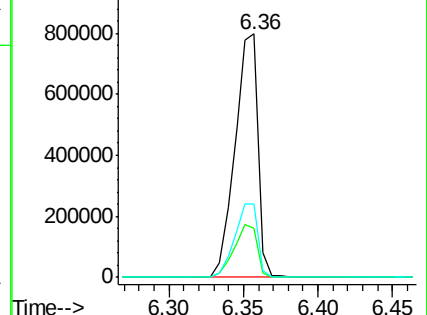
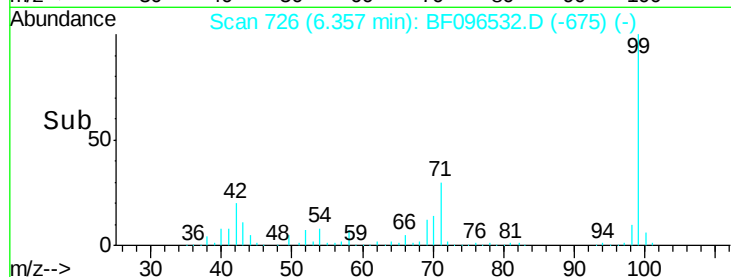
71 30.1 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.075 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.23 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

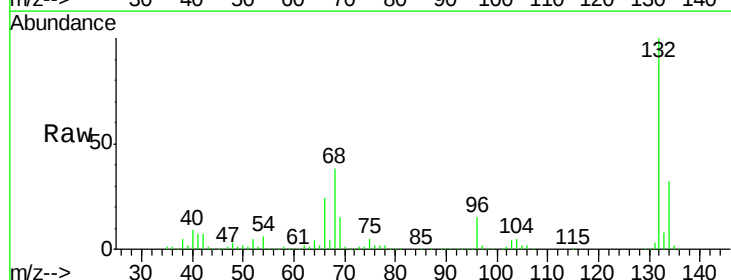
Tgt Ion: 77 Resp: 13196

Ion Ratio Lower Upper

77 100

105 97.2 83.8 123.8

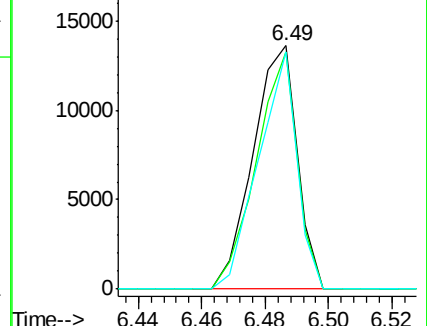
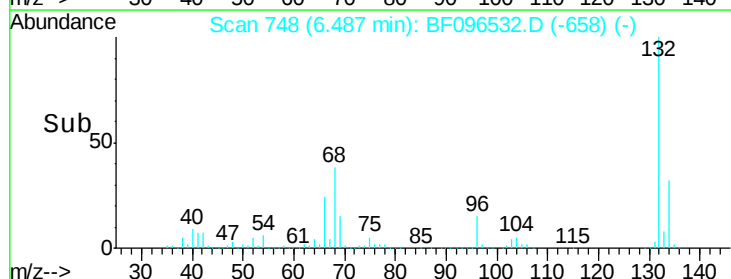
106 97.3 79.1 119.1

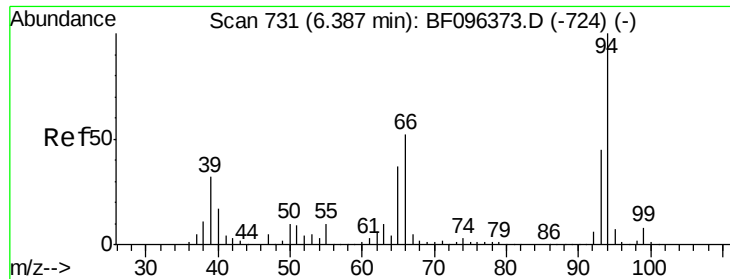


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

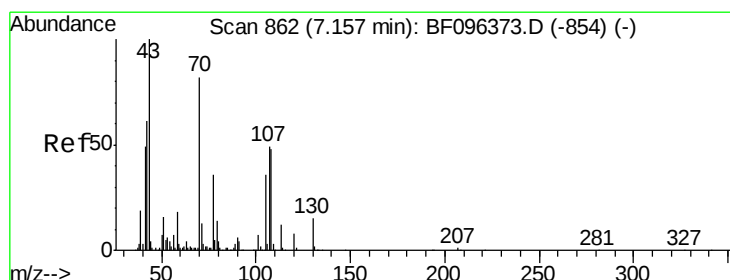
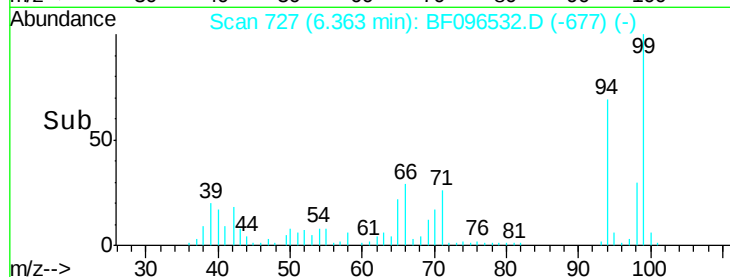
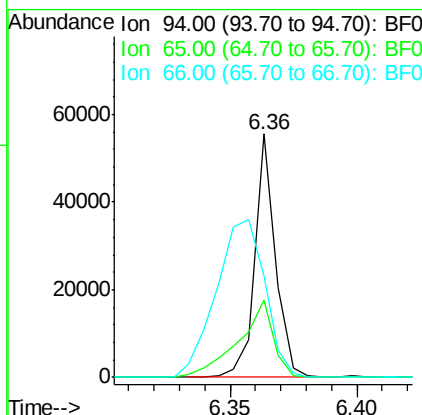
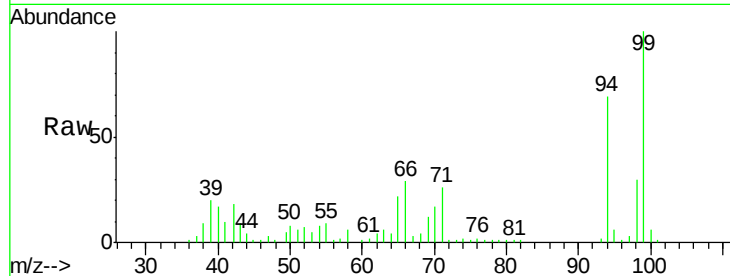




#10
Phenol
Concen: 2.735 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

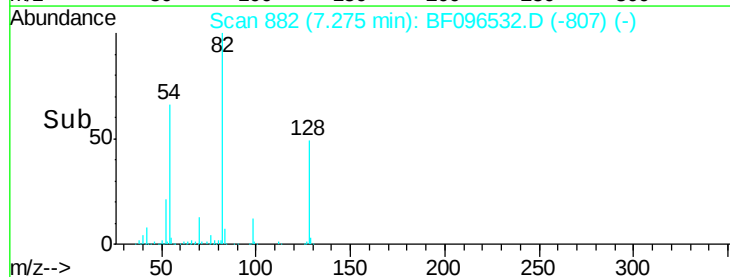
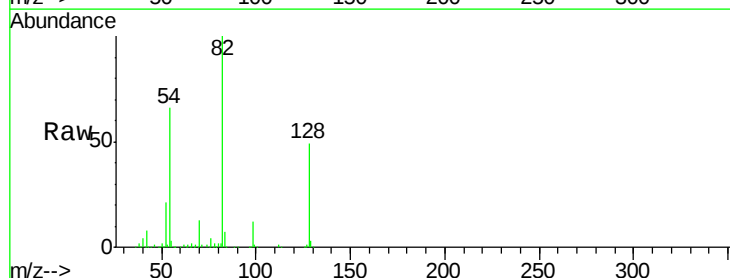
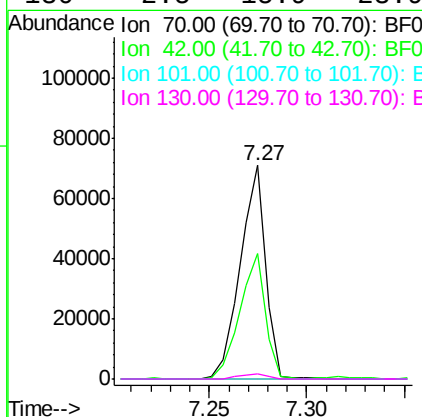
Instrument :
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CL-02-070317-E

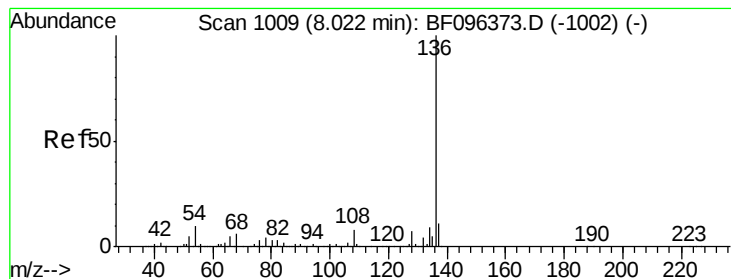
Tgt Ion: 94 Resp: 31661
Ion Ratio Lower Upper
94 100
65 31.7 9.9 49.9
66 41.9 23.1 63.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.589 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Tgt Ion: 70 Resp: 64102
Ion Ratio Lower Upper
70 100
42 58.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

BNA_F

ClientSampleId :

CL-02-070317-E

Tgt Ion: 136 Resp: 490318

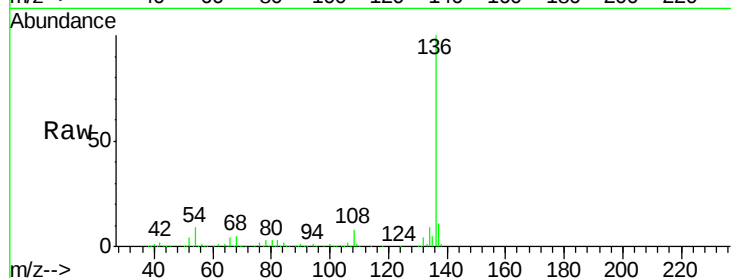
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 8.7 4.9 7.3#

68 4.8 4.1 6.1

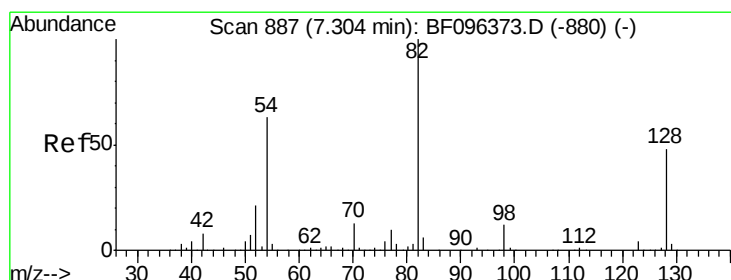
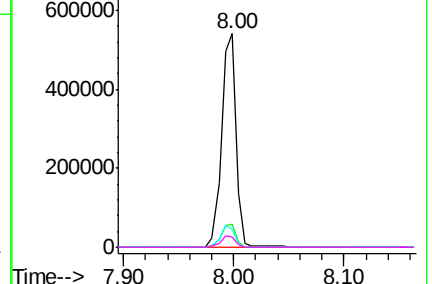
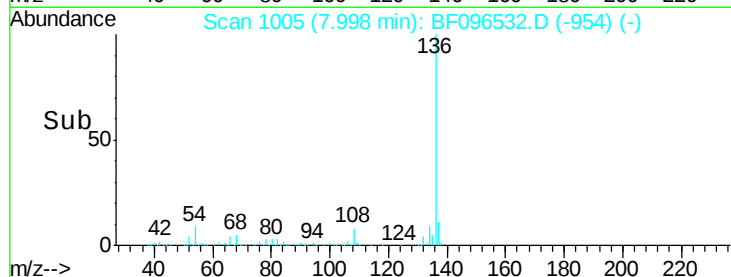


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.770 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

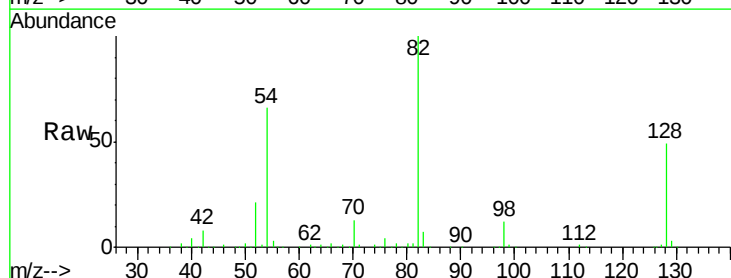
Tgt Ion: 82 Resp: 487700

Ion Ratio Lower Upper

82 100

128 49.1 34.0 51.0

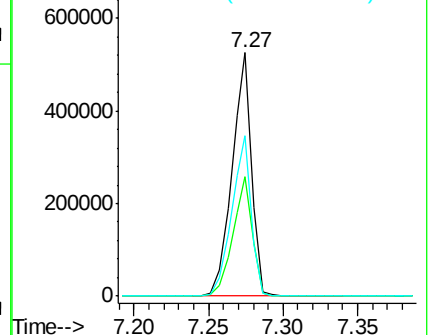
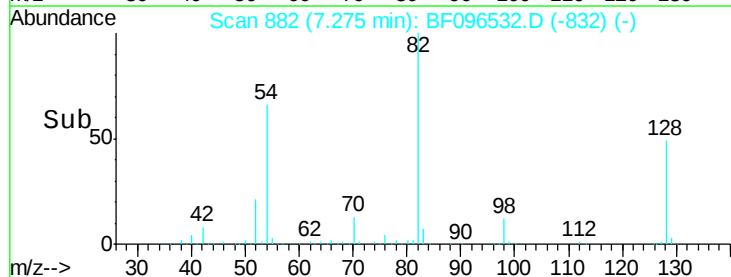
54 65.8 42.2 63.2#

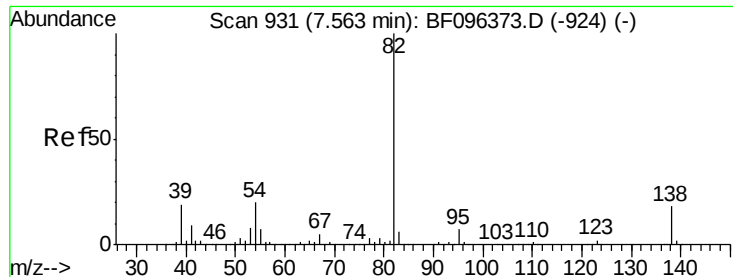


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.538 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

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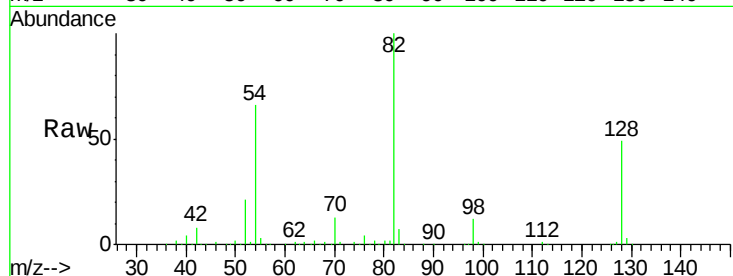
Tgt Ion: 82 Resp: 483137

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

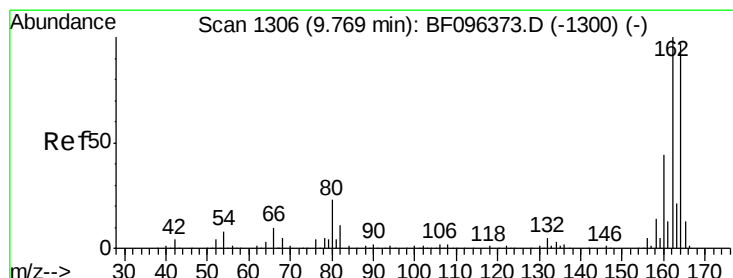
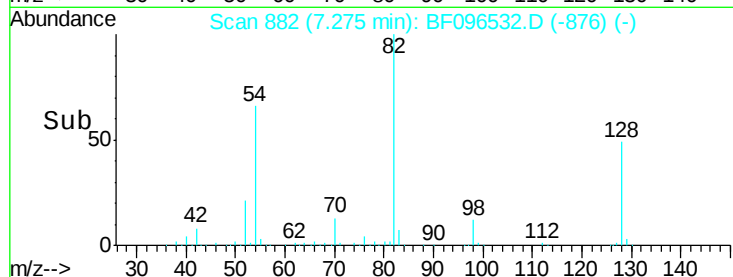
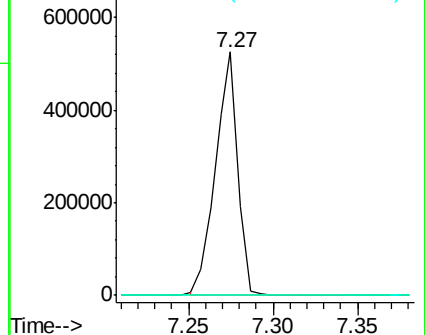
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

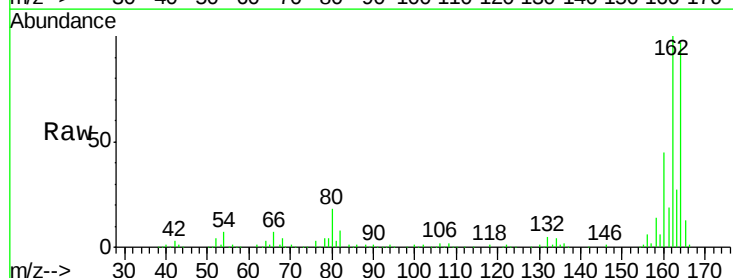
Tgt Ion: 164 Resp: 194346

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

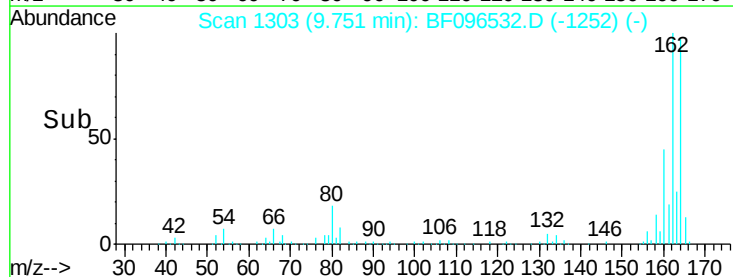
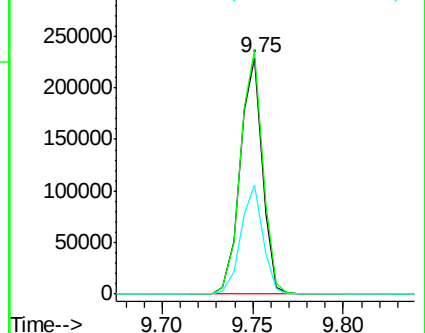
160 46.1 36.2 54.2

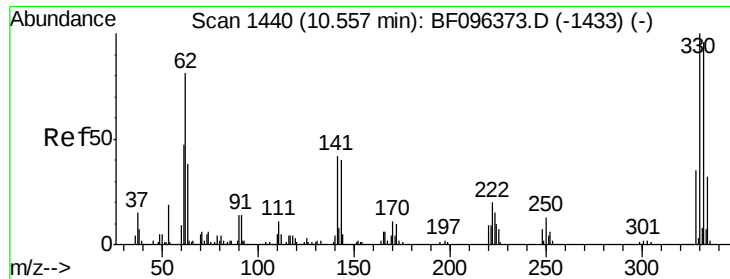


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

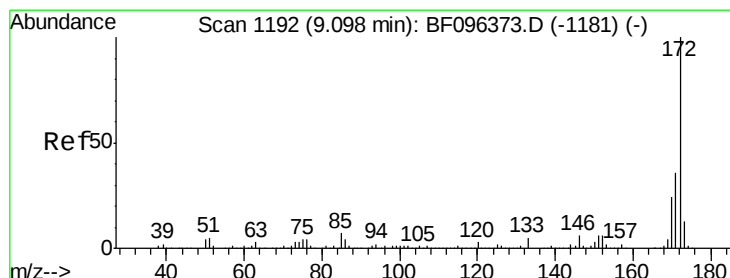
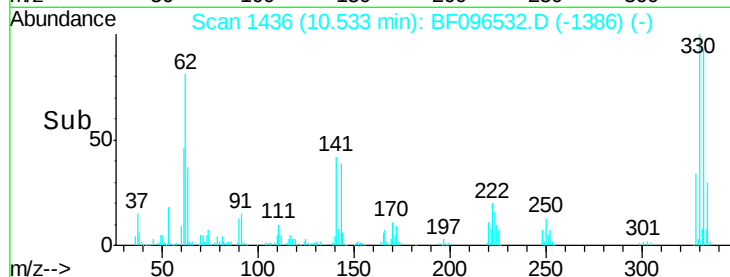
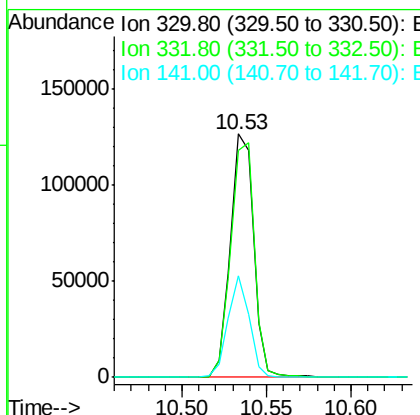
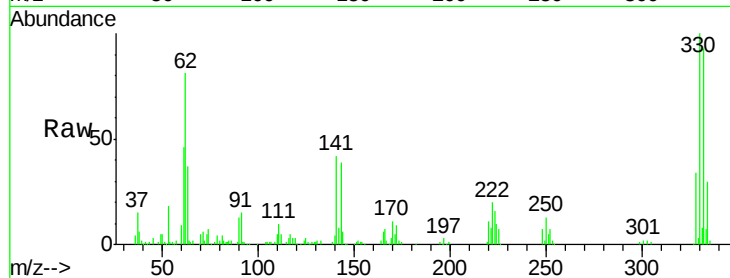




#41
 2,4,6-Tribromophenol
 Concen: 80.148 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

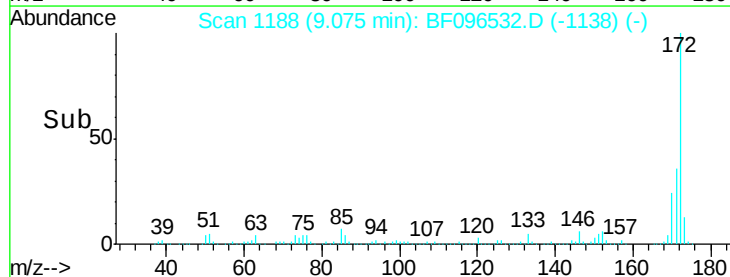
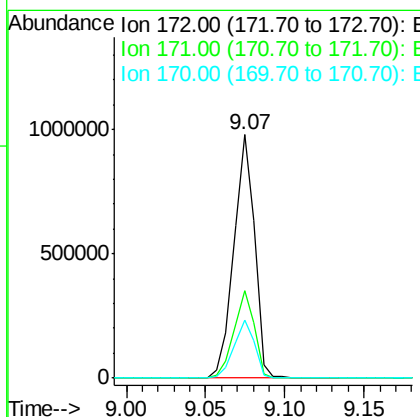
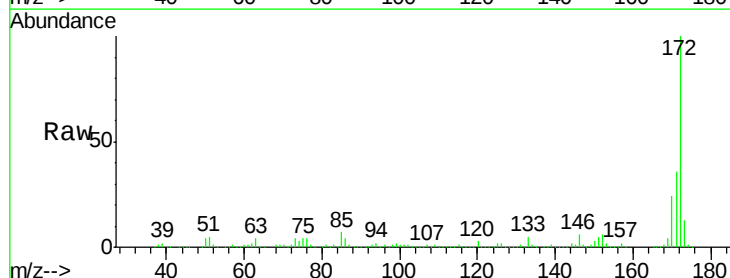
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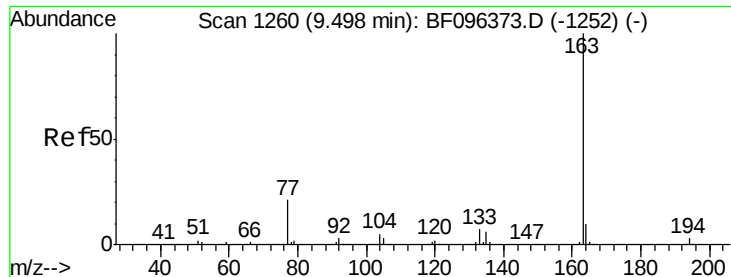
Tgt Ion:330 Resp: 121671
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 38.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 78.310 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

Tgt Ion:172 Resp: 890135
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.1 19.8 29.8

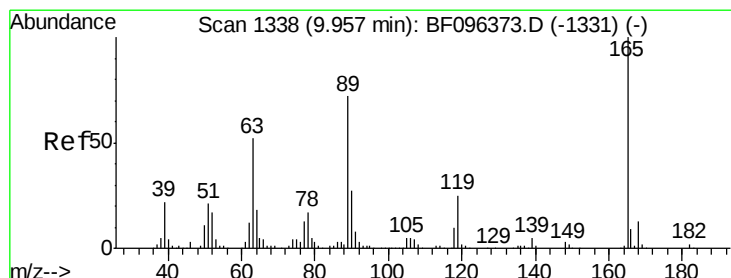
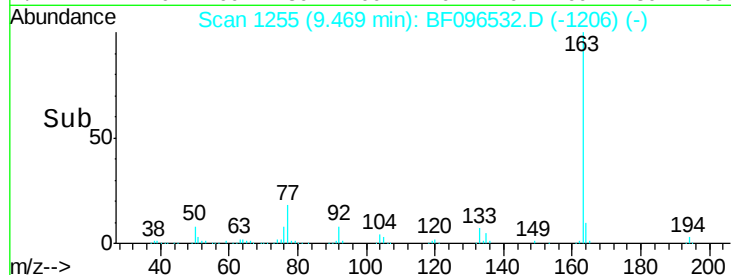
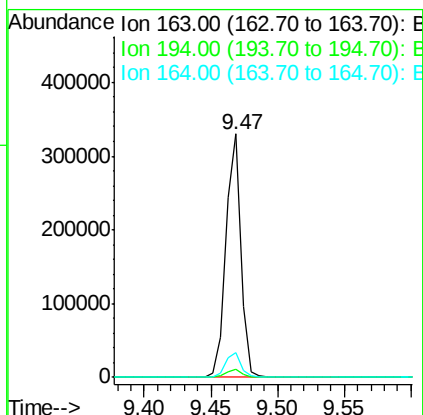
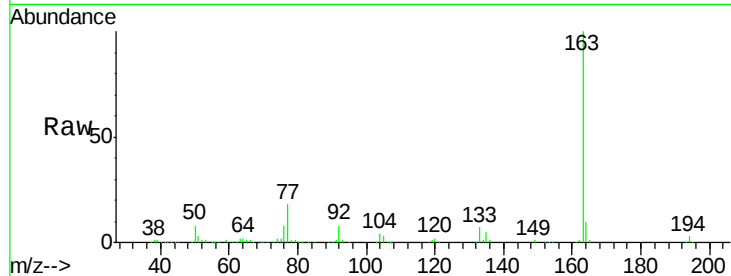




#49
Dimethylphthalate
Concen: 18.156 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

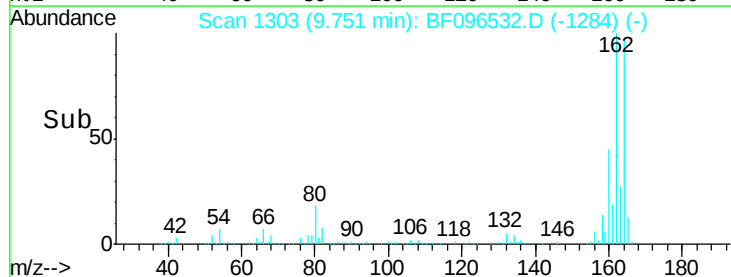
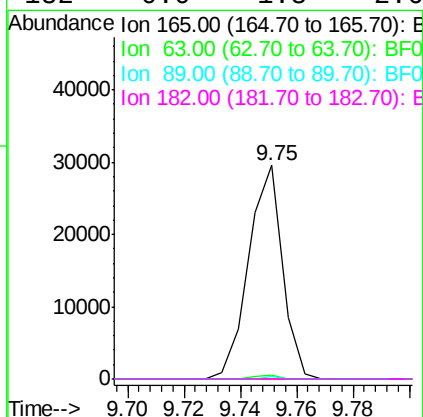
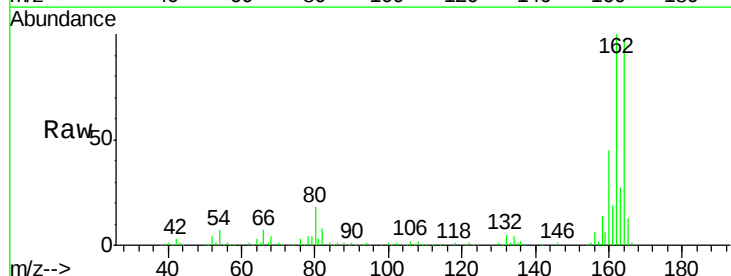
Instrument :
BNA_F
ClientSampleId :
CL-02-070317-E

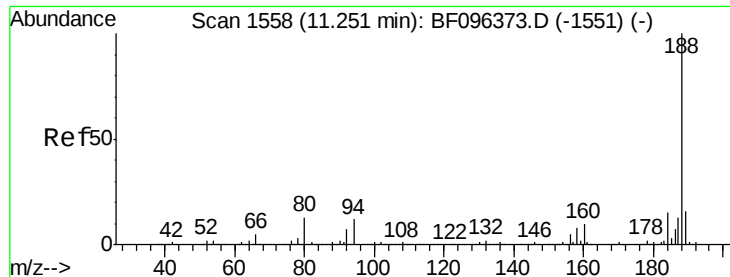
Tgt Ion:163 Resp: 263405
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.1 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.044 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Tgt Ion:165 Resp: 24557
Ion Ratio Lower Upper
165 100
63 1.8 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#

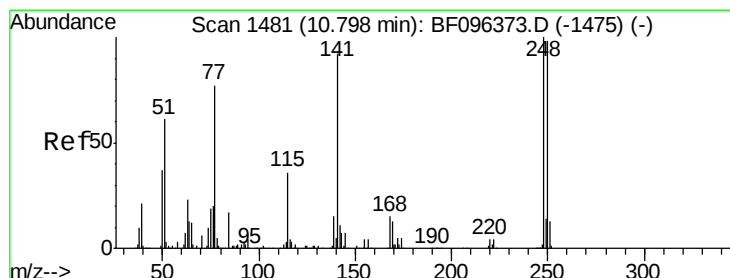
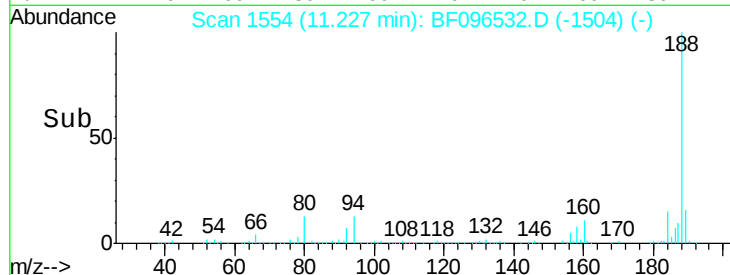
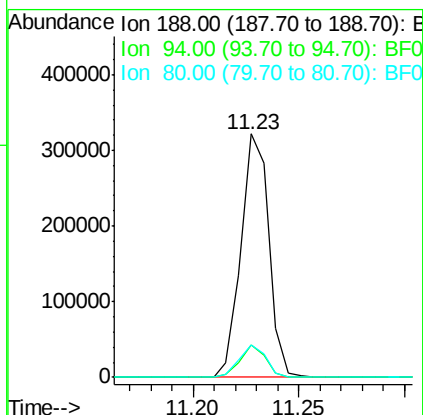
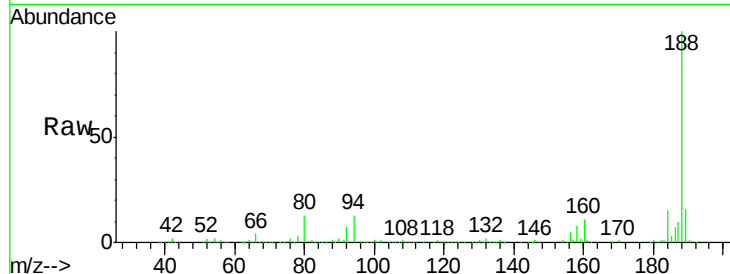




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

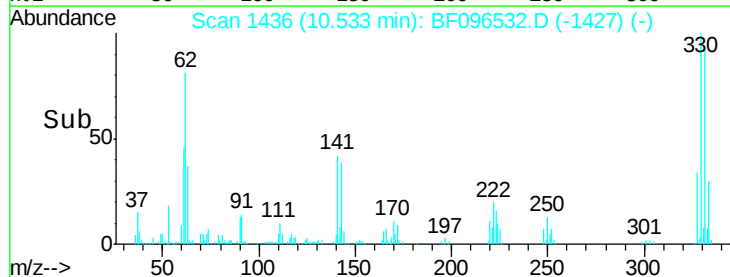
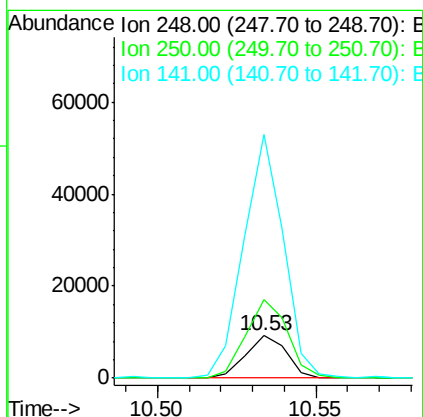
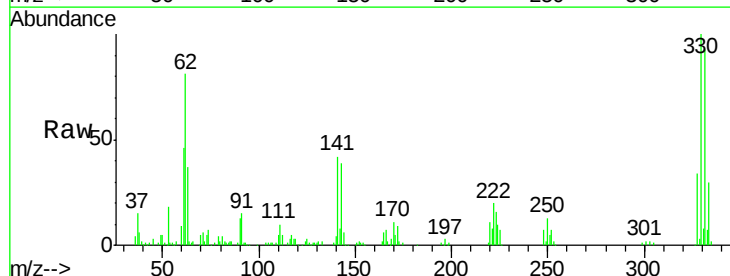
Instrument :
BNA_F
ClientSampleId :
CL-02-070317-E

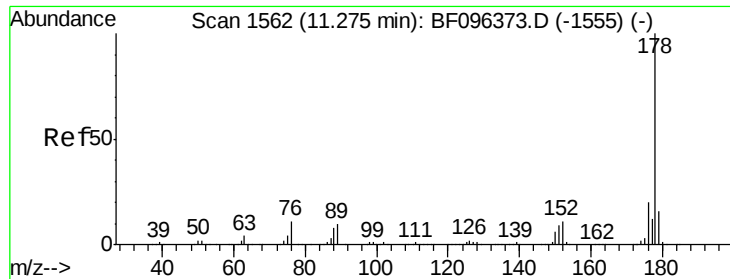
Tgt Ion:188 Resp: 293688
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 13.1 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.848 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Tgt Ion:248 Resp: 8141
Ion Ratio Lower Upper
248 100
250 185.8 76.8 115.2#
141 575.8 68.6 103.0#

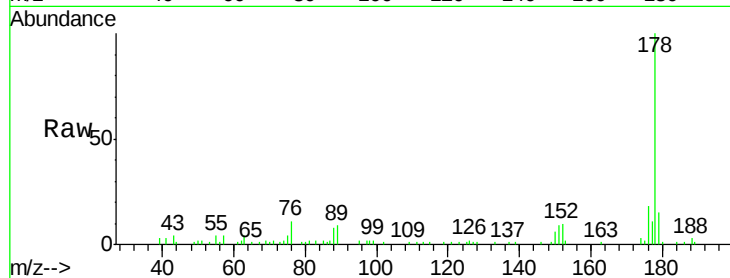




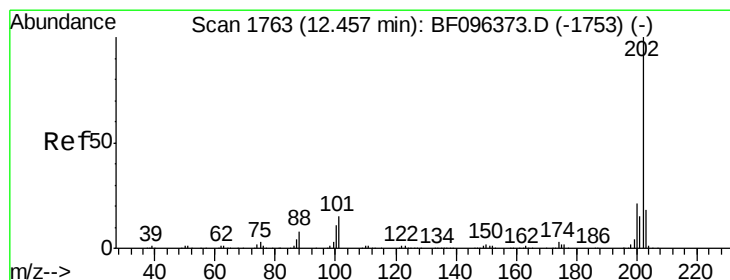
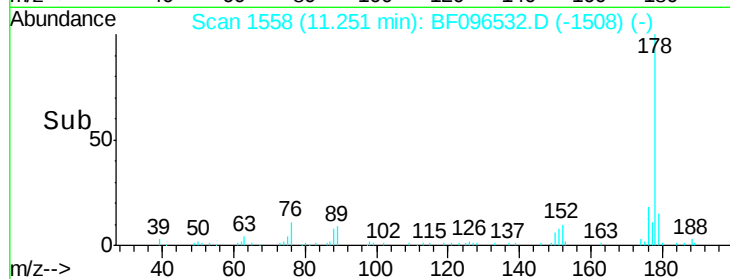
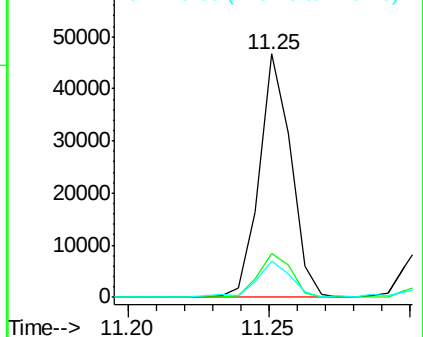
#70
Phenanthrene
Concen: 2.299 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Instrument :
BNA_F
ClientSampleId :
CL-02-070317-E

Tgt Ion:178 Resp: 36501
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 14.8 12.6 19.0

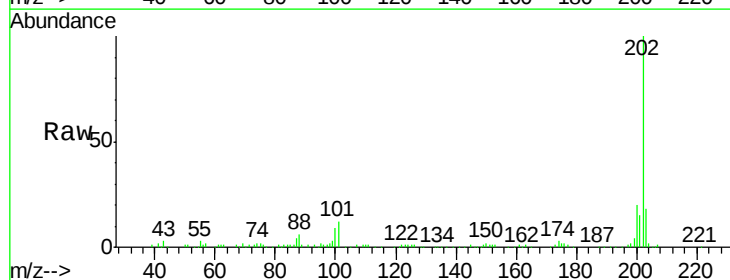


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

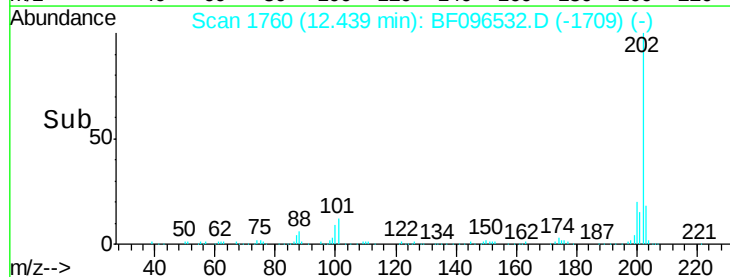
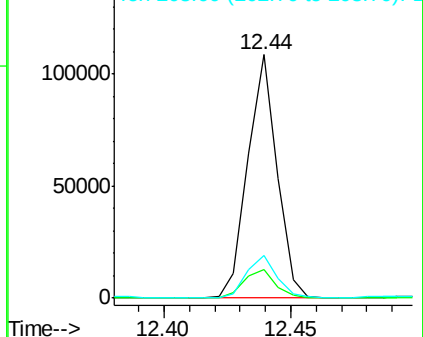


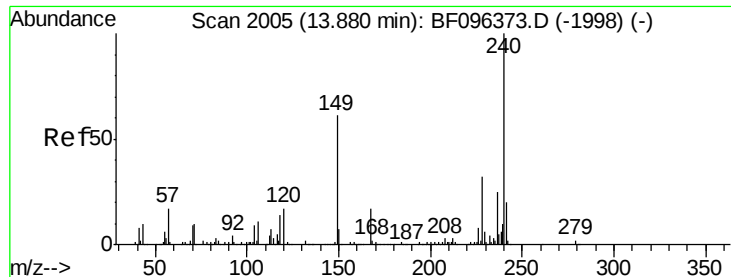
#74
Fluoranthene
Concen: 5.621 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Tgt Ion:202 Resp: 87500
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.2
203 17.6 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: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

BNA_F

ClientSampleId :

CL-02-070317-E

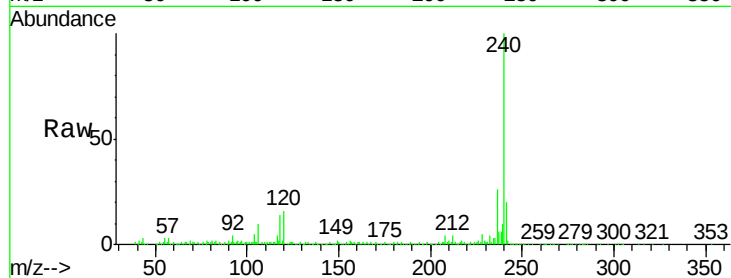
Tgt Ion:240 Resp: 231106

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

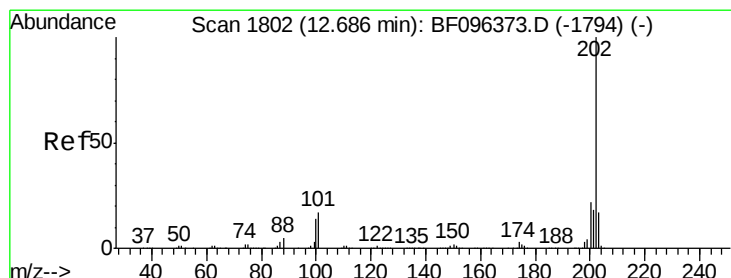
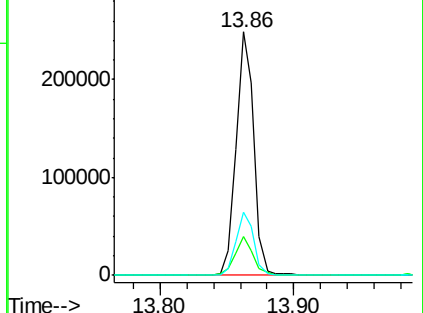
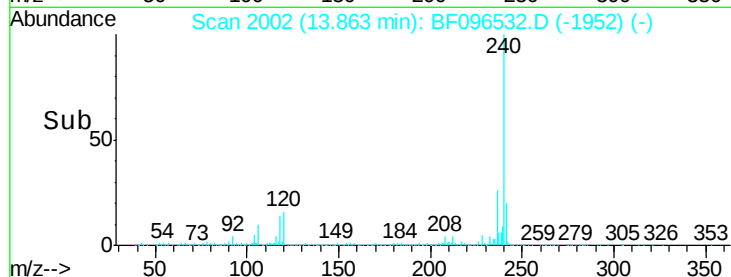
236 26.0 20.5 30.7



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: 4.059 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

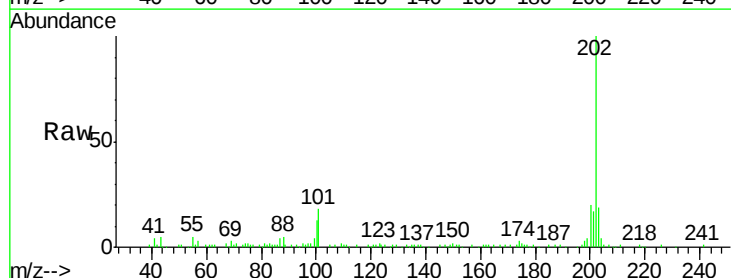
Tgt Ion:202 Resp: 75302

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

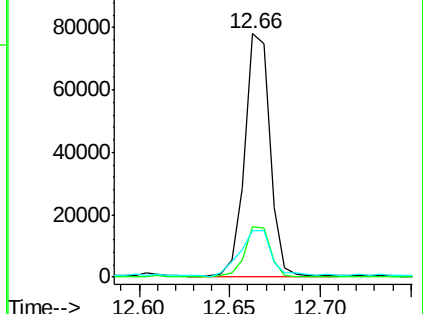
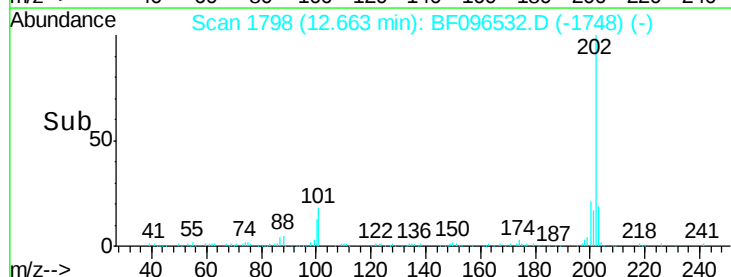
203 19.1 14.4 21.6

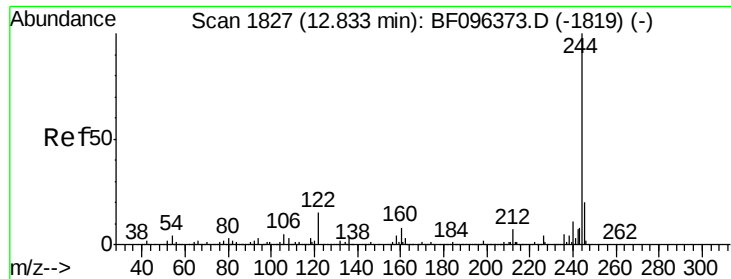


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

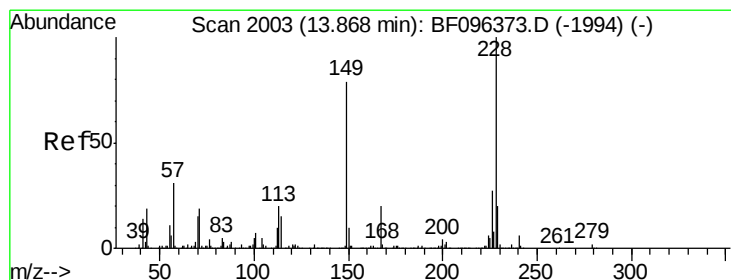
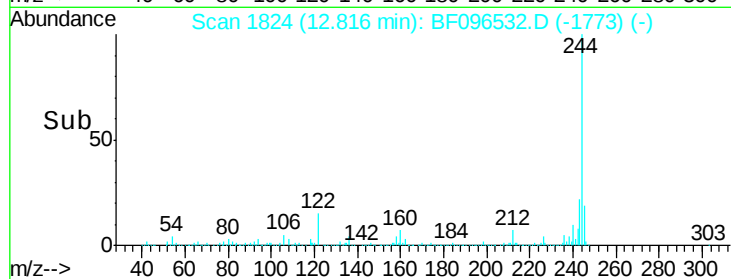
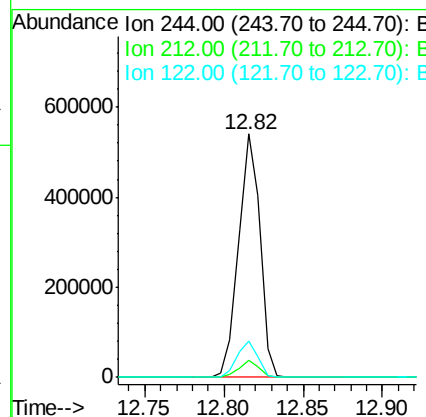
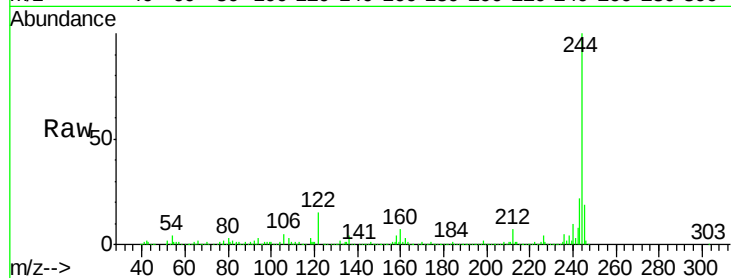




#78
 Terphenyl-d14
 Concen: 46.849 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

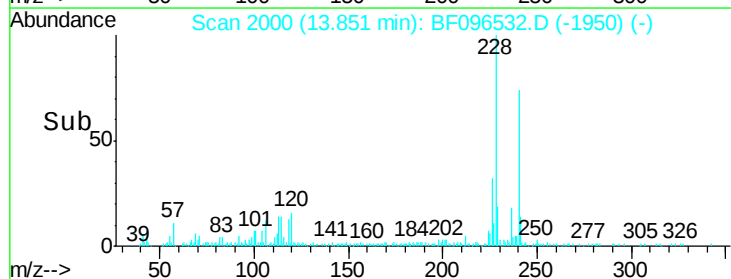
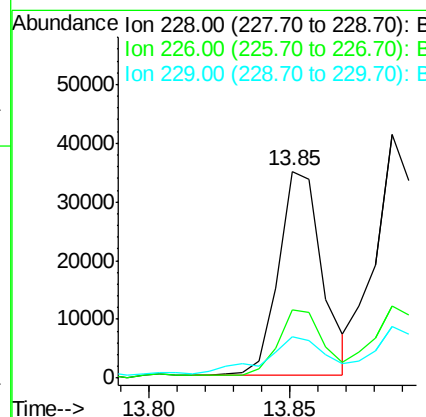
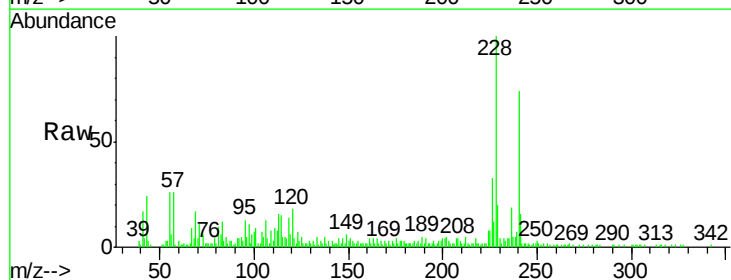
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-070317-E

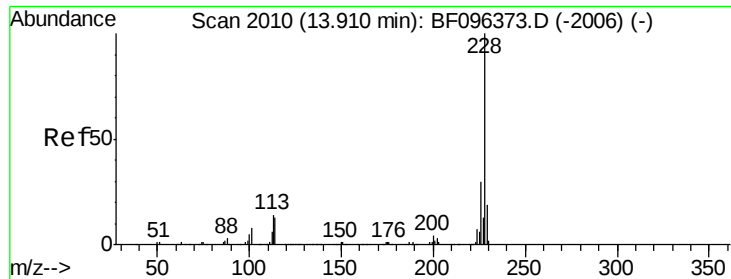
Tgt Ion:244 Resp: 506688
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.805 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096532.D
 Acq: 6 Jul 2017 14:47

Tgt Ion:228 Resp: 37539
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.6 33.8
 229 20.3 16.3 24.5

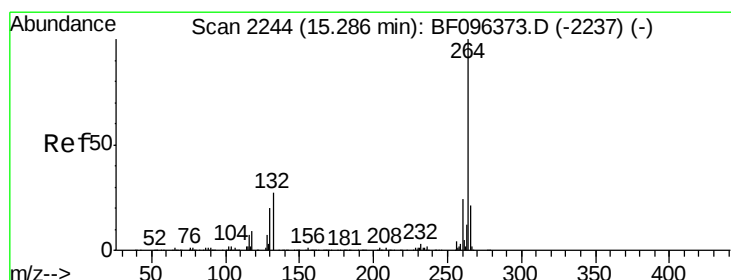
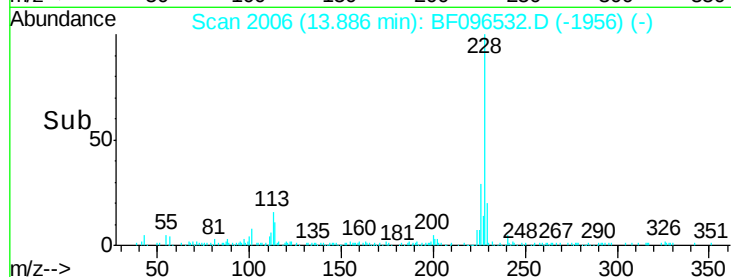
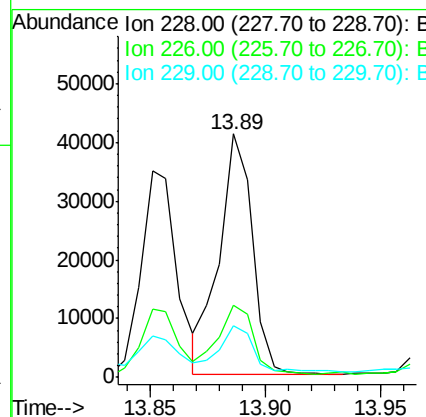
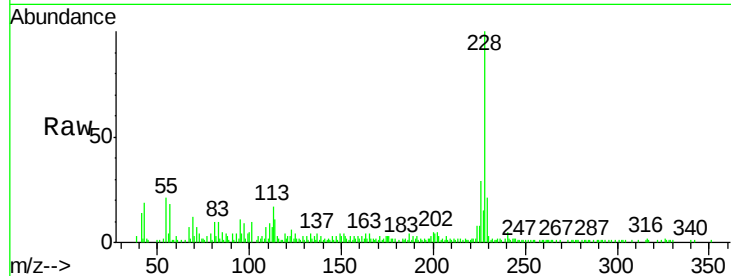




#82
Chrysene
Concen: 2.939 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

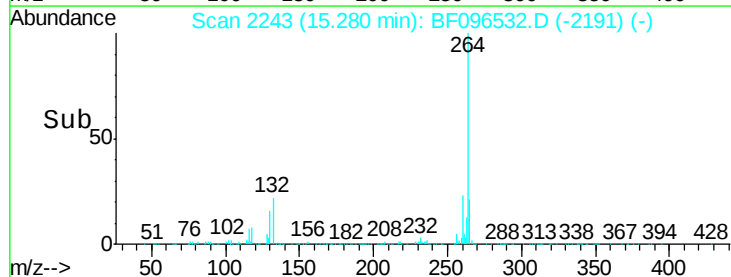
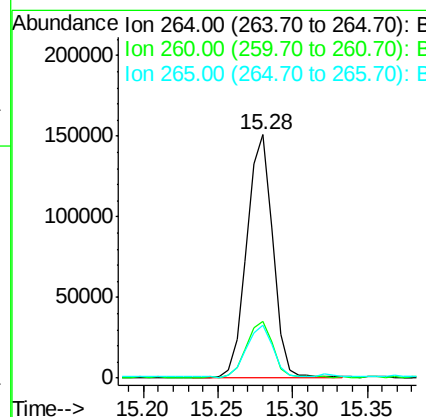
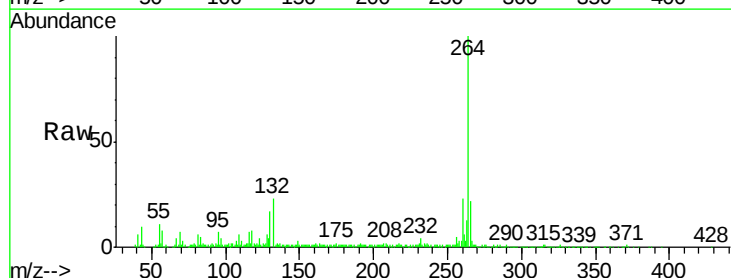
Instrument :
BNA_F
ClientSampleId :
CL-02-070317-E

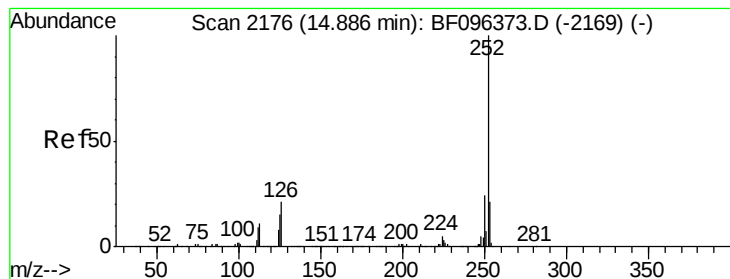
Tgt Ion:228 Resp: 41189
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 21.1 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096532.D
Acq: 6 Jul 2017 14:47

Tgt Ion:264 Resp: 180091
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.815 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

BNA_F

ClientSampleId :

CL-02-070317-E

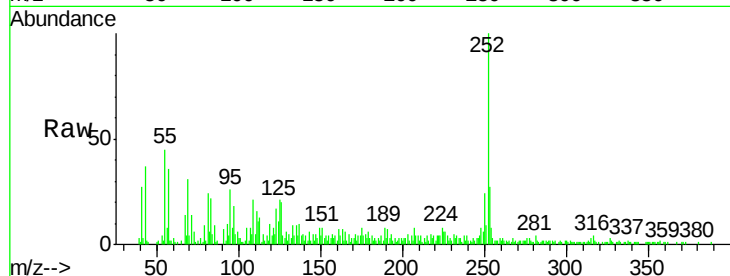
Tgt Ion:252 Resp: 65622

Ion Ratio Lower Upper

252 100

253 26.7 18.1 27.1

125 20.7 9.8 14.8#

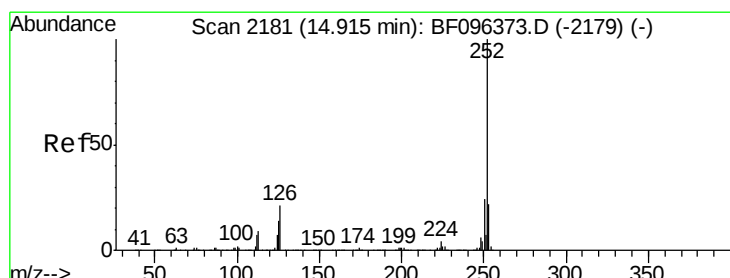
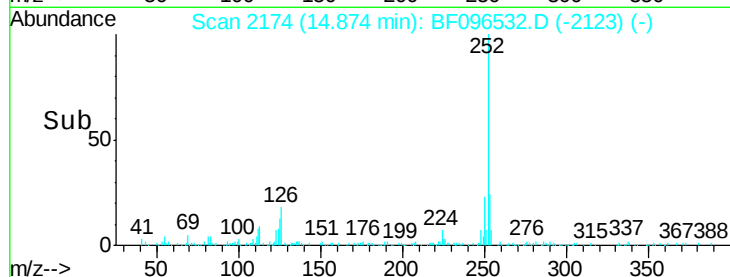
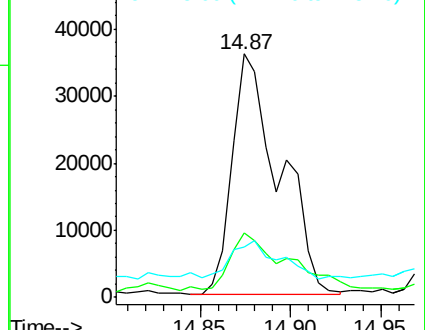


Abundance

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: 6.501 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

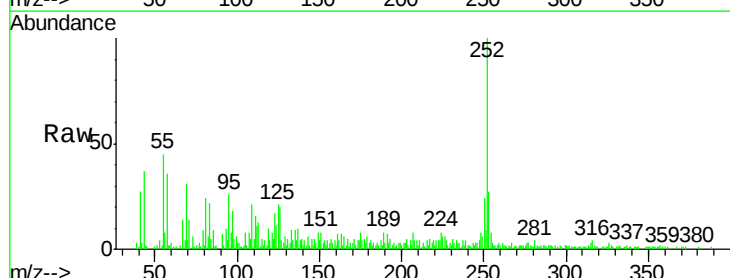
Tgt Ion:252 Resp: 65622

Ion Ratio Lower Upper

252 100

253 26.7 18.4 27.6

125 20.7 13.1 19.7#

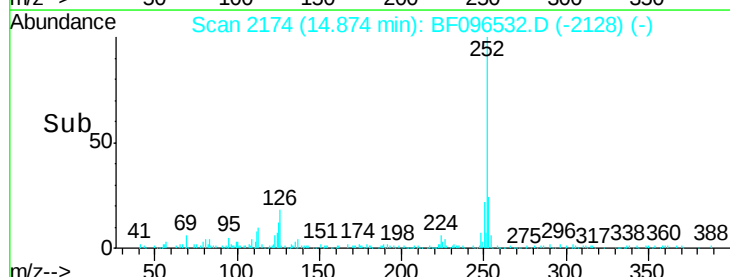
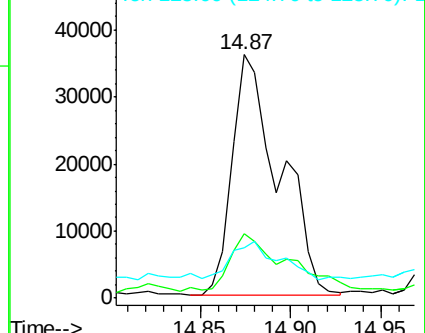


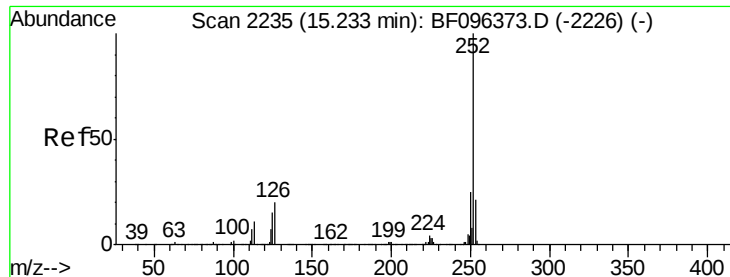
Abundance

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: 2.984 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

Instrument :

BNA_F

ClientSampleId :

CL-02-070317-E

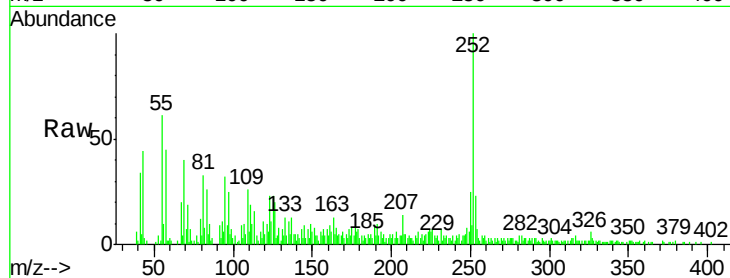
Tgt Ion:252 Resp: 30066

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

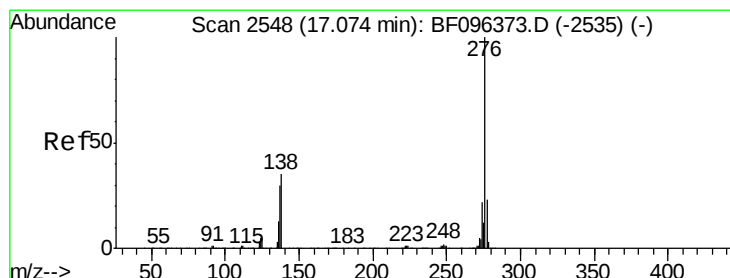
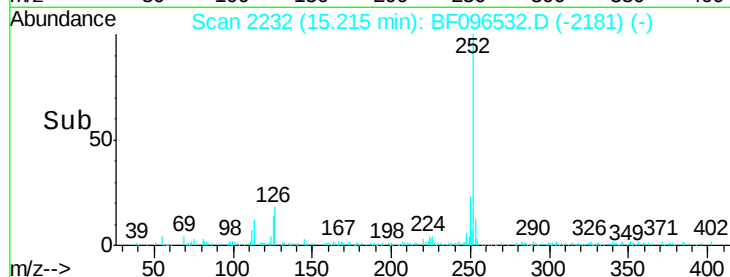
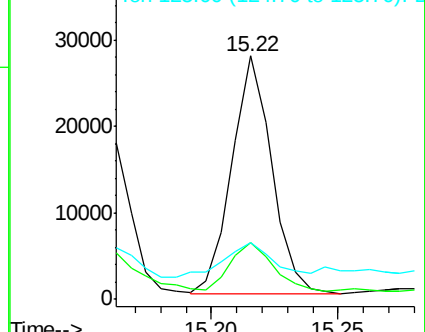
125 23.3 11.0 16.4#



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: 2.143 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF096532.D

Acq: 6 Jul 2017 14:47

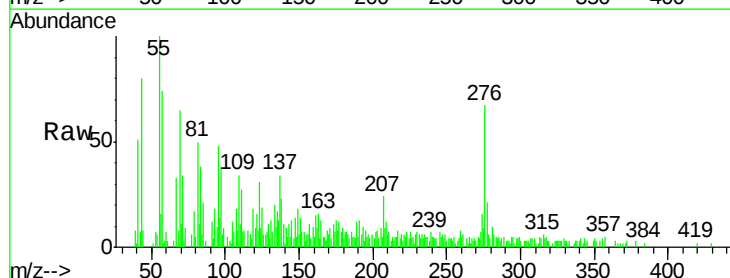
Tgt Ion:276 Resp: 17598

Ion Ratio Lower Upper

276 100

277 30.9 18.6 28.0#

138 33.8 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

