

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096527.D
 Acq On : 6 Jul 2017 12:31
 Operator : SJ/MA
 Sample : I4052-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Quant Time: Jul 06 18:24:02 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	6.71	152	119500	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	489165	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	205290	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	328598	20.00	ng	0.00
75) Chrysene-d12	13.86	240	243155	20.00	ng	0.00
86) Perylene-d12	15.27	264	201753	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	710220	87.72	ng	0.00
7) Phenol-d6	6.35	99	855792	85.98	ng	0.00
23) Nitrobenzene-d5	7.27	82	492229	60.47	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	132782	82.80	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	876869	73.03	ng	0.00
78) Terphenyl-d14	12.82	244	597866	52.54	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.36	94	29252	2.580	ng	88
19) n-Nitroso-di-n-propylamine	7.27	70	65717	11.083	ng	# 88
25) Isophorone	7.27	82	488531	30.952	ng	# 67
49) Dimethylphthalate	9.46	163	158921	10.370	ng	98
56) 2,4-Dinitrotoluene	9.75	165	27168	6.331	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	8743	2.733	ng	# 1
70) Phenanthrene	11.25	178	146857	8.267	ng	97
74) Fluoranthene	12.44	202	190598	10.944	ng	98
77) Pyrene	12.66	202	183670	9.411	ng	98
80) Benzo(a)anthracene	13.85	228	83539	5.933	ng	95
82) Chrysene	13.89	228	74711	5.067	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	32484	2.791	ng	95
87) Benzo(b)fluoranthene	14.87	252	109073	8.628	ng	# 92
88) Benzo(k)fluoranthene	14.87	252	109073	9.645	ng	96
89) Benzo(a)pyrene	15.22	252	59533	5.275	ng	# 92
91) Benzo(g,h,i)perylene	17.04	276	31400	3.413	ng	98

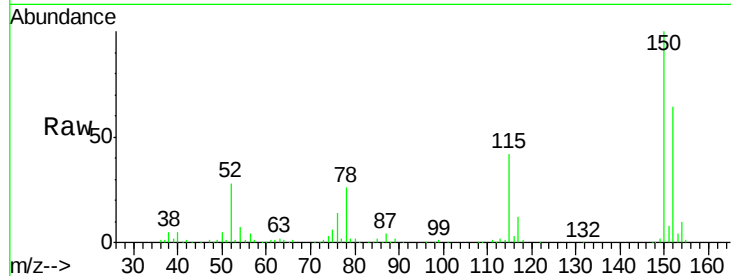
(#) = qualifier out of range (m) = manual integration (+) = signals summed



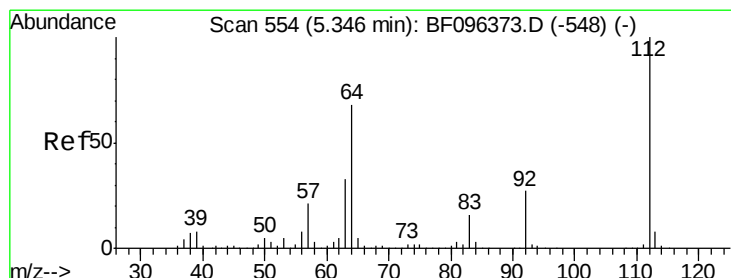
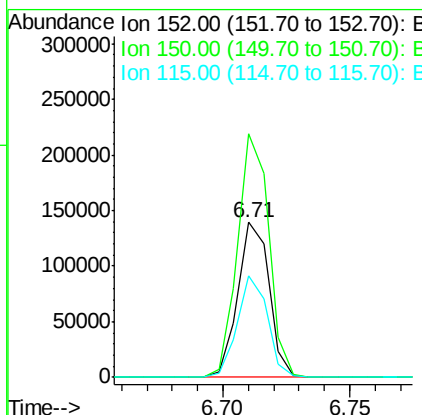
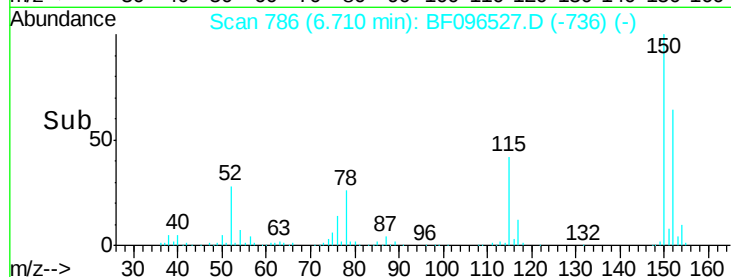
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Tgt Ion:152 Resp: 119500
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.2 189.2
 115 65.6 52.2 78.2

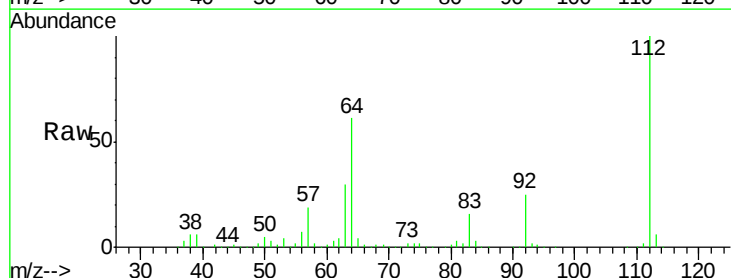


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

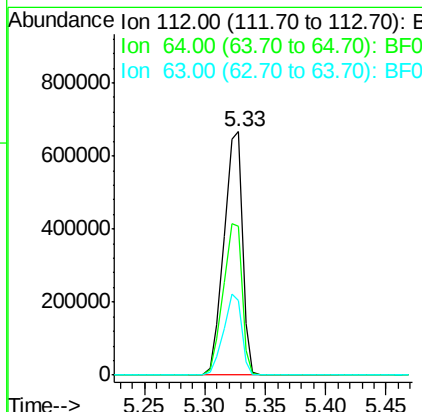
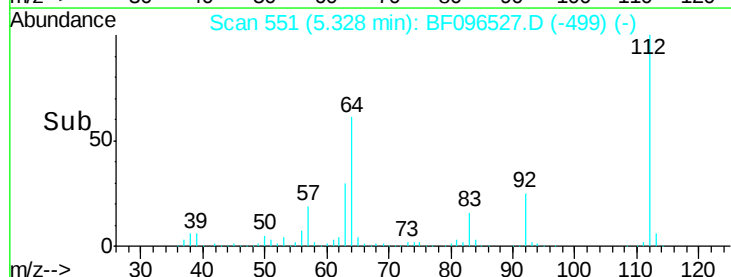


#5
 2-Fluorophenol
 Concen: 87.721 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion:112 Resp: 710220
 Ion Ratio Lower Upper
 112 100
 64 61.2 46.0 69.0
 63 30.5 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: 85.980 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-C

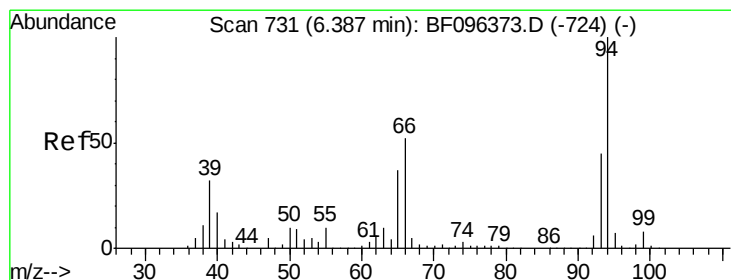
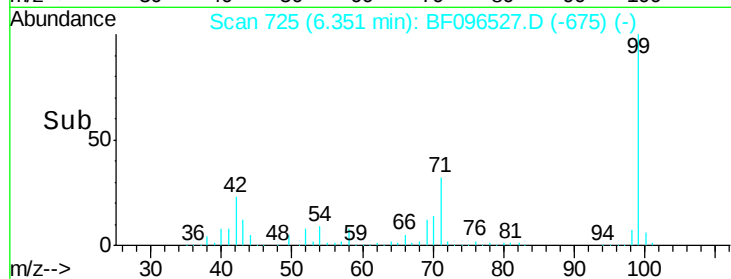
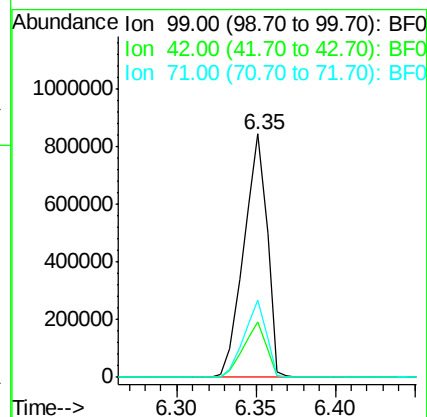
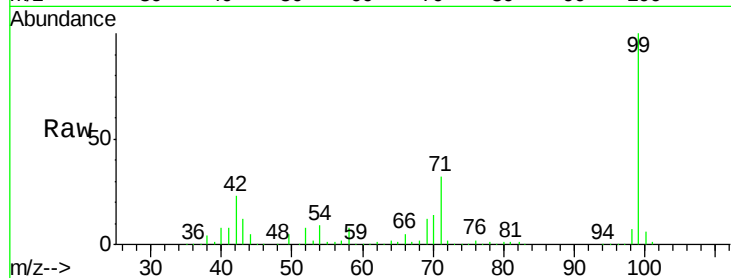
Tgt Ion: 99 Resp: 855792

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

71 31.6 24.5 36.7



#10

Phenol

Concen: 2.580 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

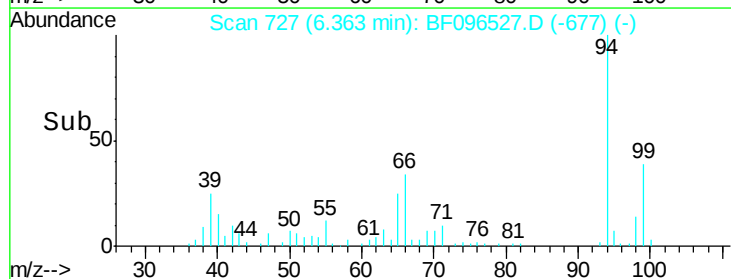
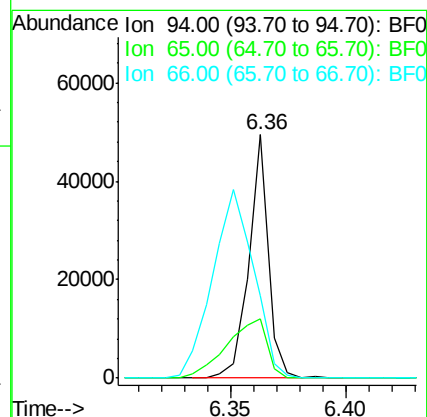
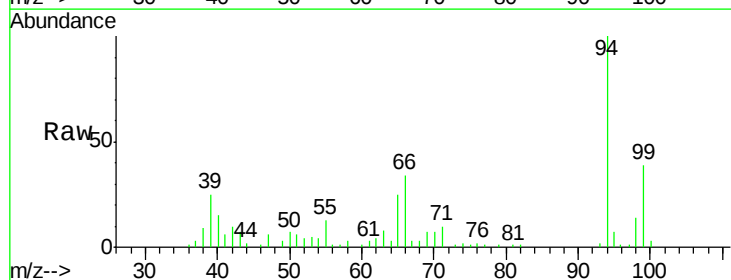
Tgt Ion: 94 Resp: 29252

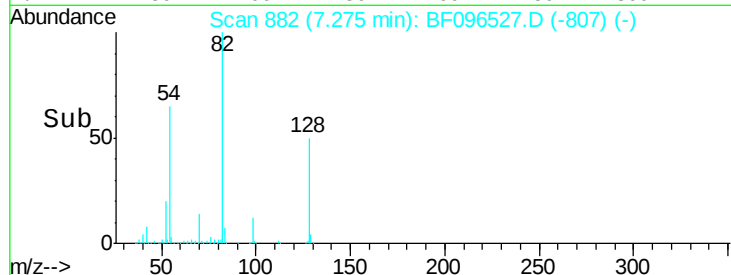
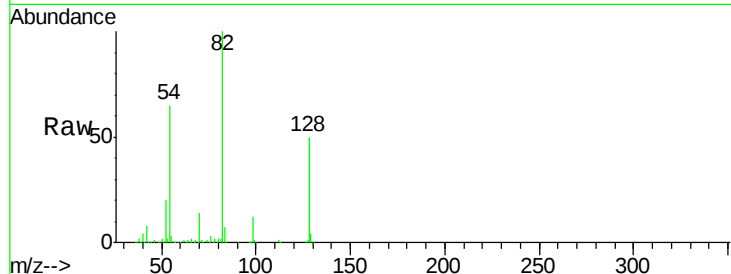
Ion Ratio Lower Upper

94 100

65 24.6 9.9 49.9

66 34.0 23.1 63.1

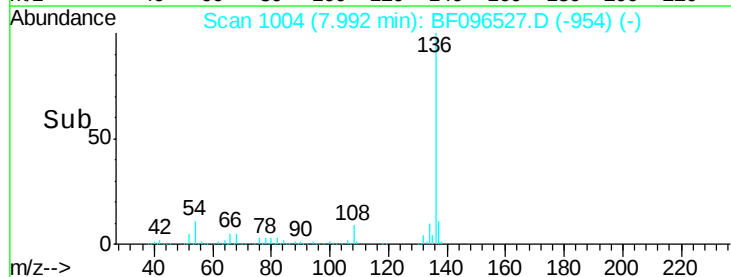
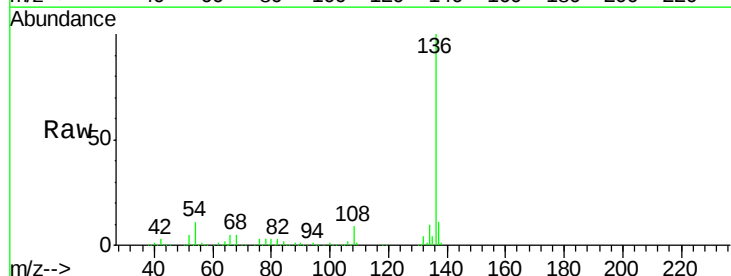
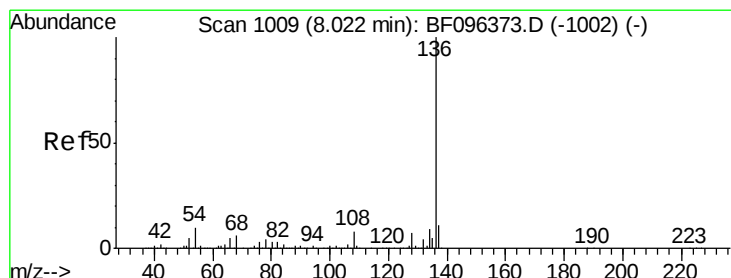
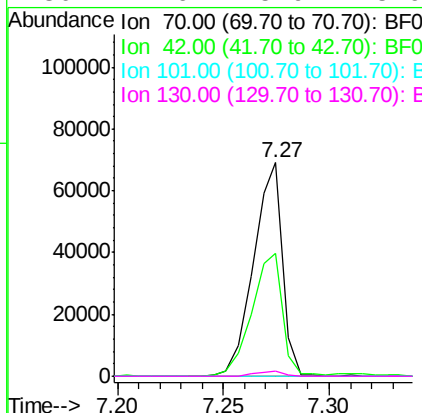




#19
n-Nitroso-di-n-propylamine
Concen: 11.083 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

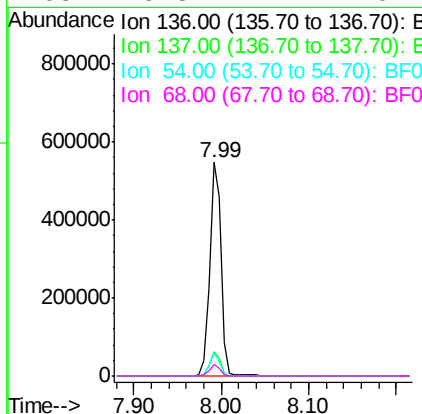
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

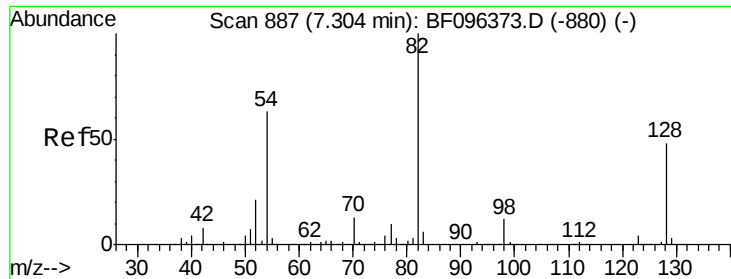
Tgt Ion: 70 Resp: 65717
Ion Ratio Lower Upper
70 100
42 57.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion: 136 Resp: 489165
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.5 4.9 7.3#
68 5.3 4.1 6.1

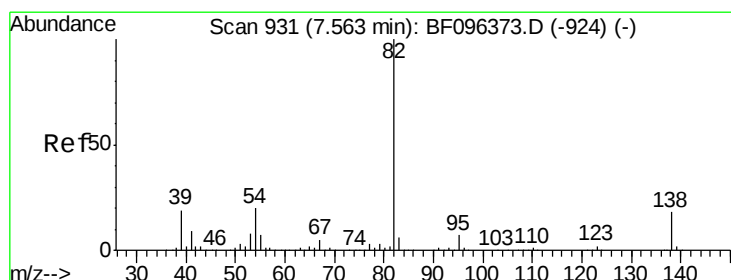
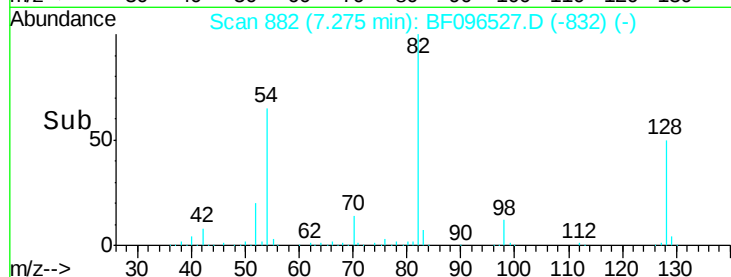
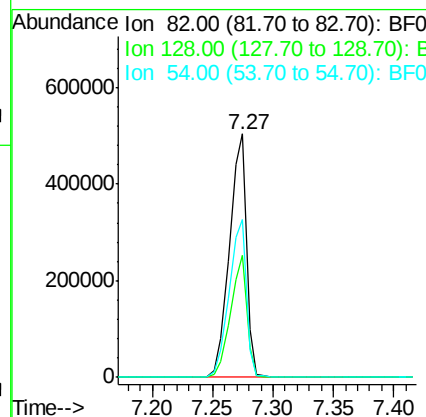
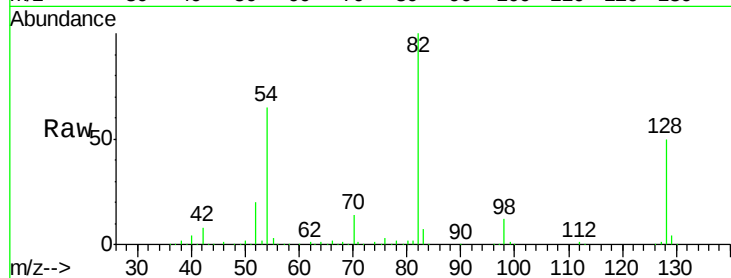




#23
Nitrobenzene-d5
Concen: 60.467 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

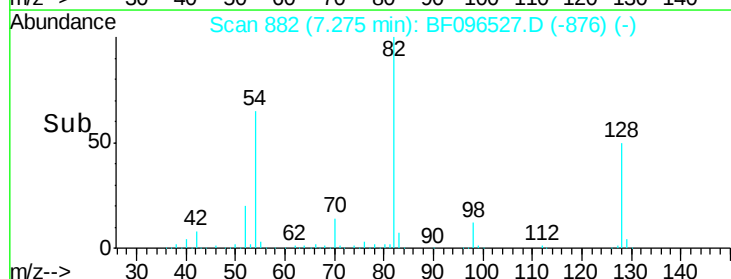
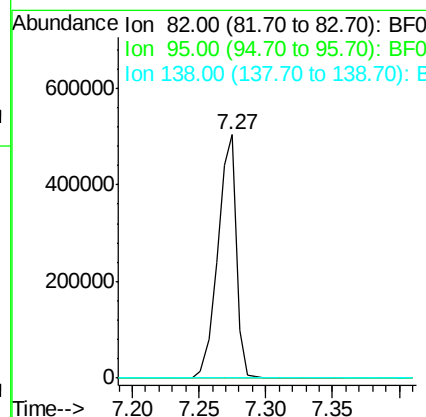
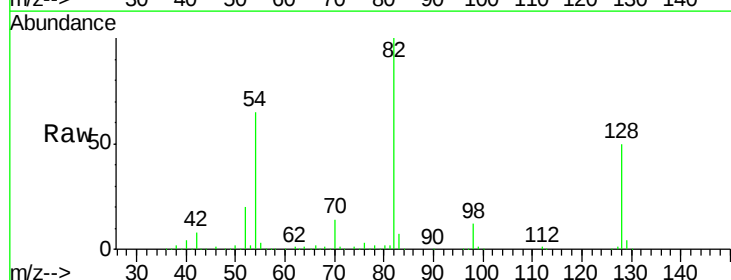
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ClientSampleId :
HR-03-070317-C

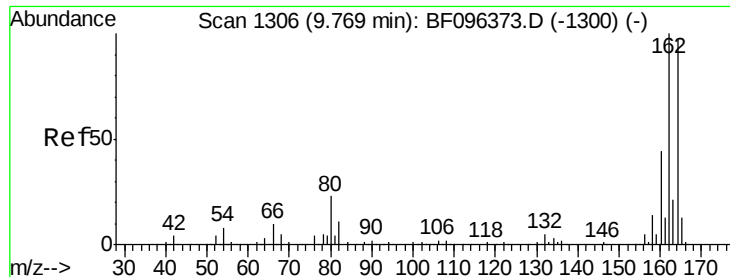
Tgt Ion: 82 Resp: 492229
Ion Ratio Lower Upper
82 100
128 50.3 34.0 51.0
54 64.8 42.2 63.2#



#25
Isophorone
Concen: 30.952 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion: 82 Resp: 488531
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

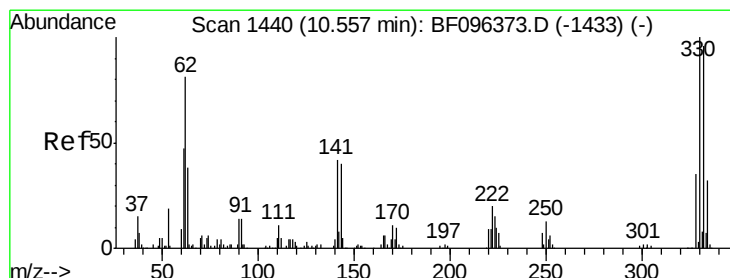
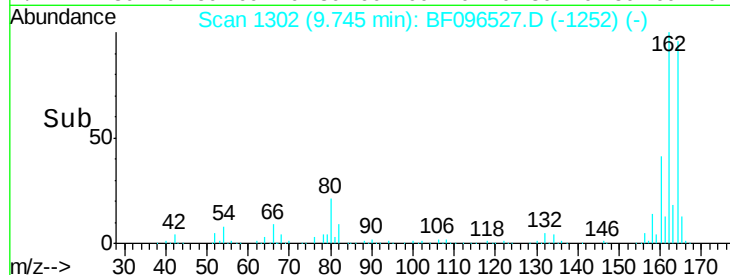
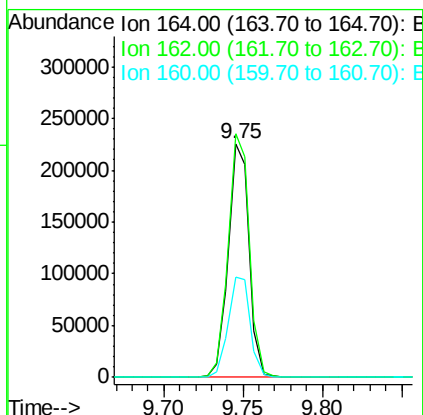
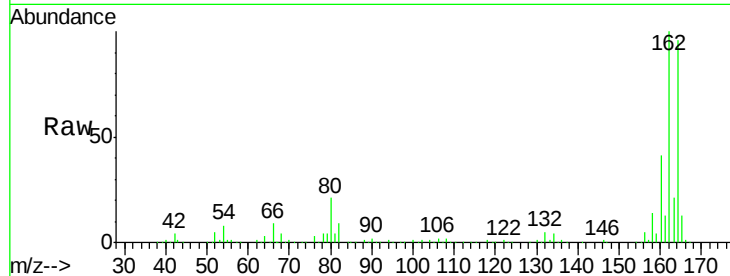




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

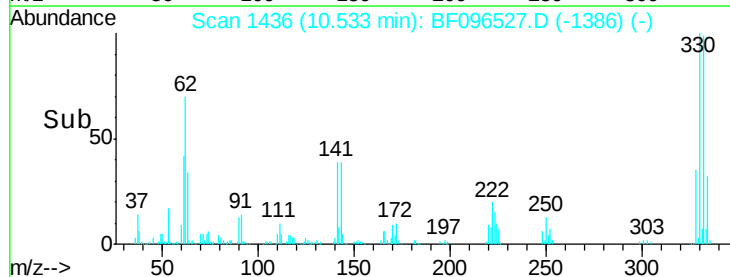
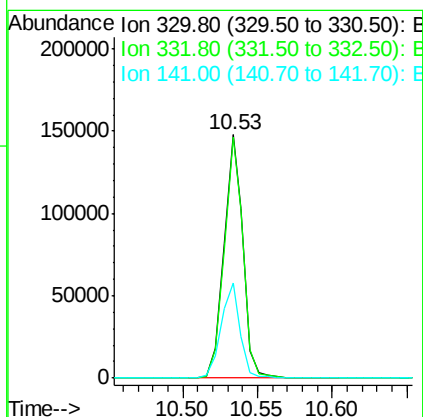
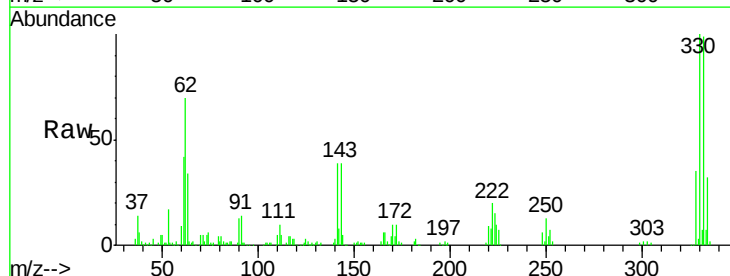
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

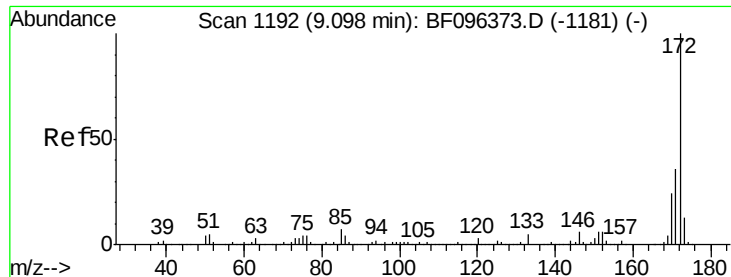
Tgt Ion:164 Resp: 205290
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.6 123.8
 160 43.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 82.804 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion:330 Resp: 132782
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 115.0
 141 39.1 31.4 47.2

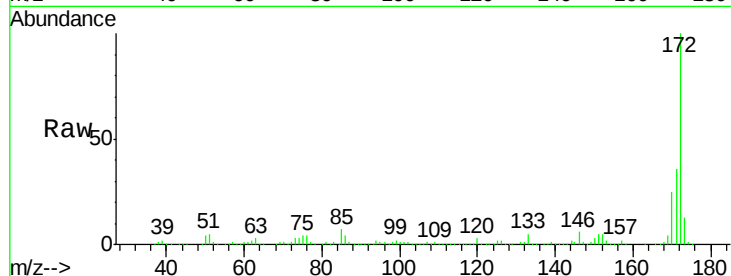




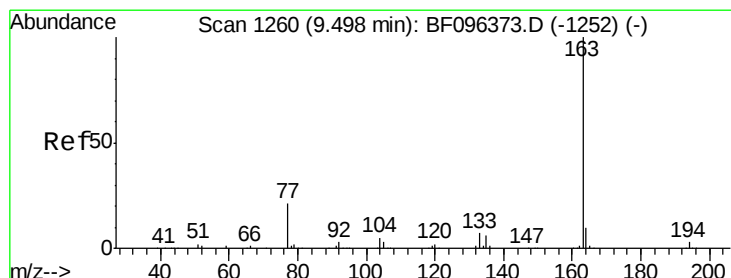
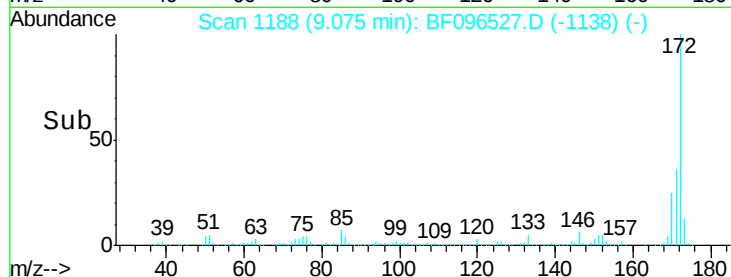
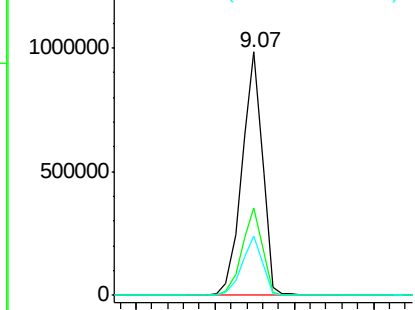
#44
2-Fluorobiphenyl
Concen: 73.031 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

Tgt Ion:172 Resp: 876869
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.5 19.8 29.8

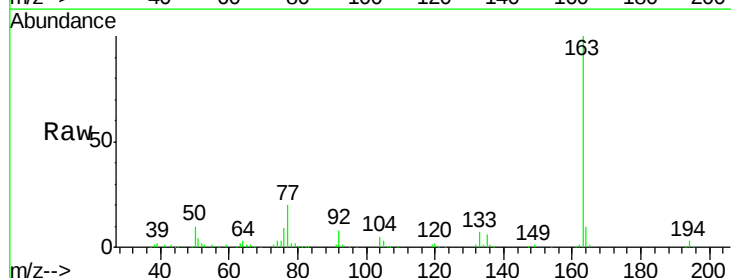


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

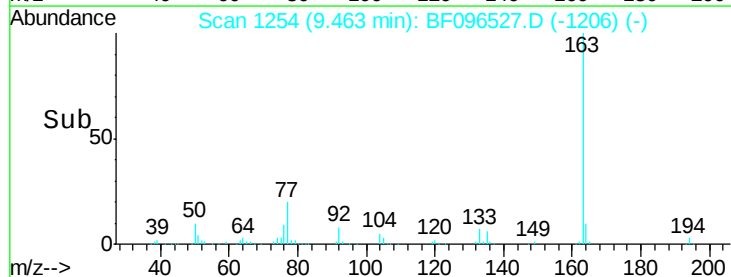
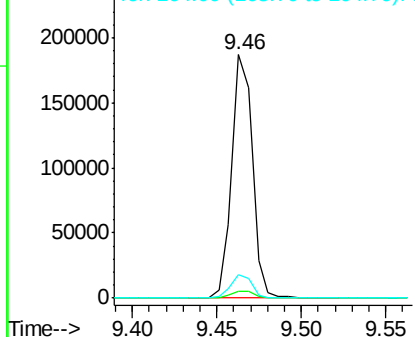


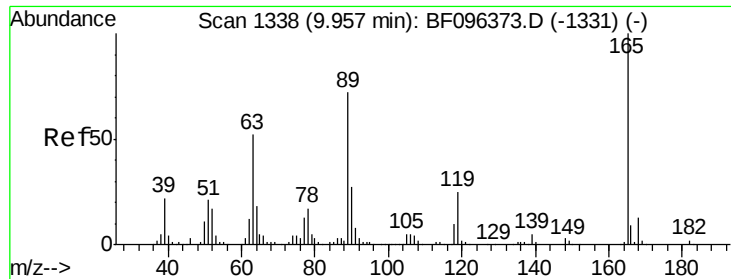
#49
Dimethylphthalate
Concen: 10.370 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion:163 Resp: 158921
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.8 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

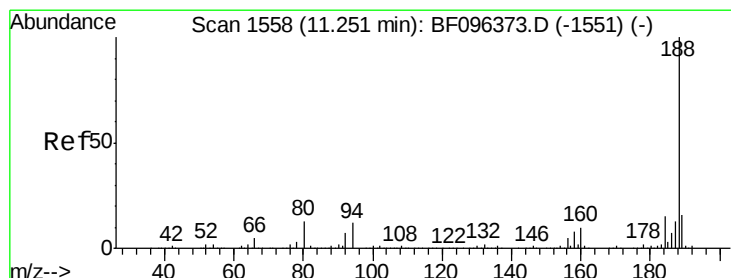
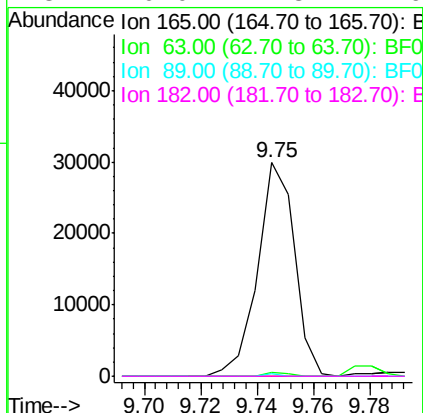
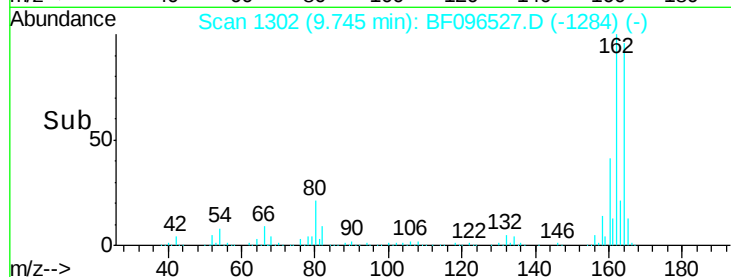
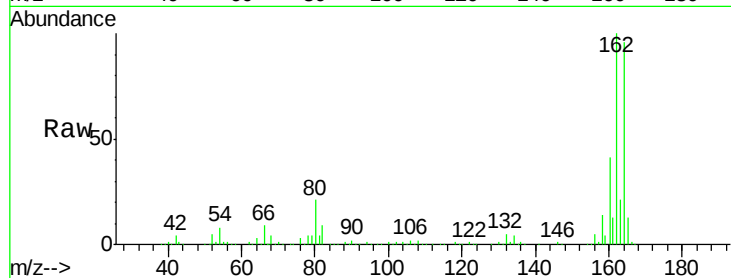




#56
 2,4-Dinitrotoluene
 Concen: 6.331 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

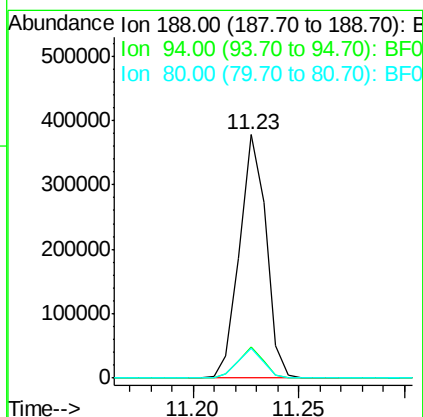
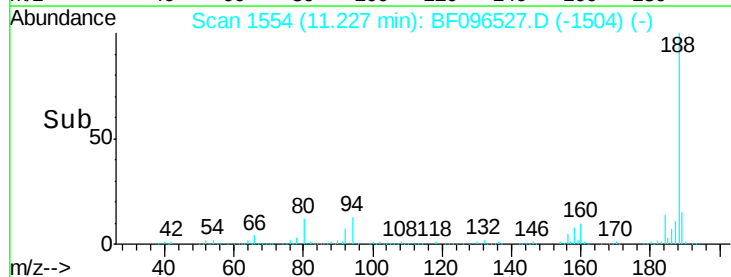
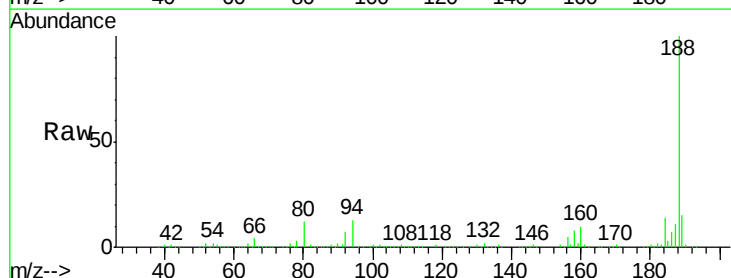
Instrument :
 BNA_F
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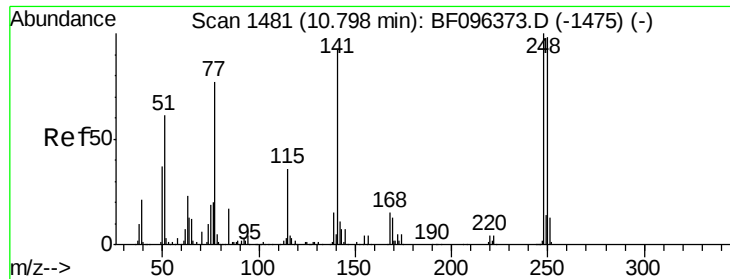
Tgt Ion:	165	Resp:	27168
Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion:	188	Resp:	328598
Ion	Ratio	Lower	Upper
188	100		
94	12.7	9.4	14.2
80	12.0	10.2	15.2

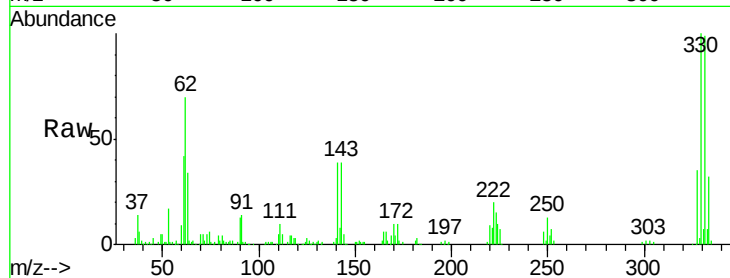




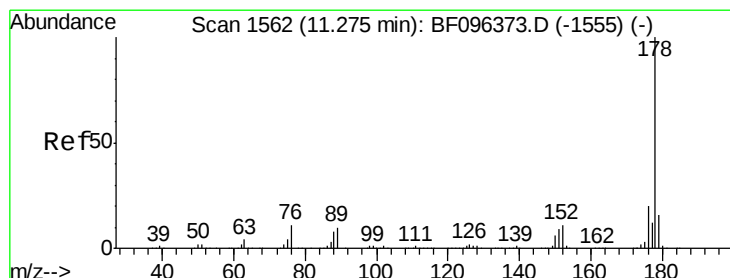
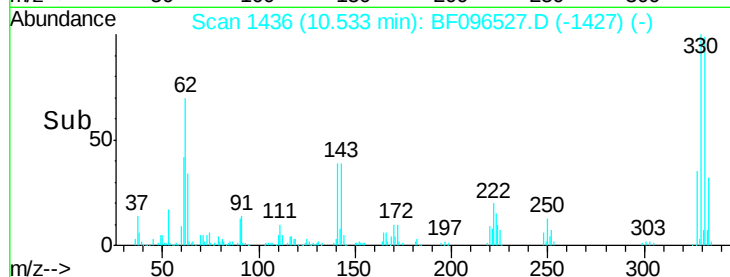
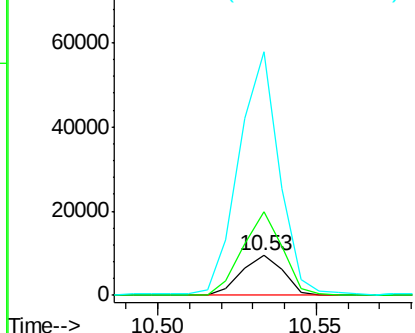
#66
 4-Bromophenyl-phenylether
 Concen: 2.733 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

Tgt Ion:248 Resp: 8743
 Ion Ratio Lower Upper
 248 100
 250 208.2 76.8 115.2#
 141 608.8 68.6 103.0#

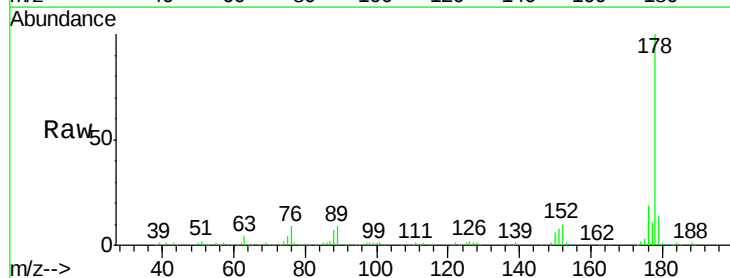


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

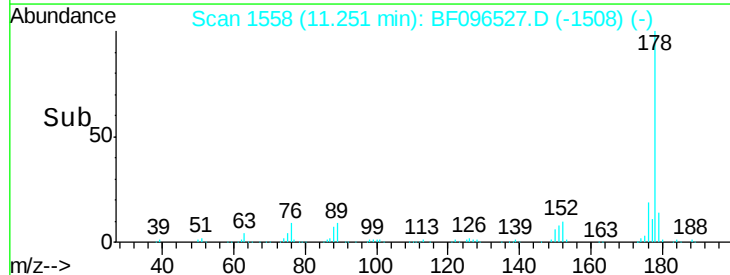
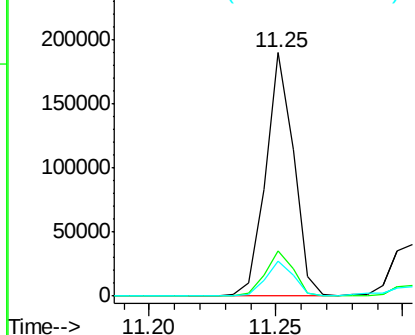


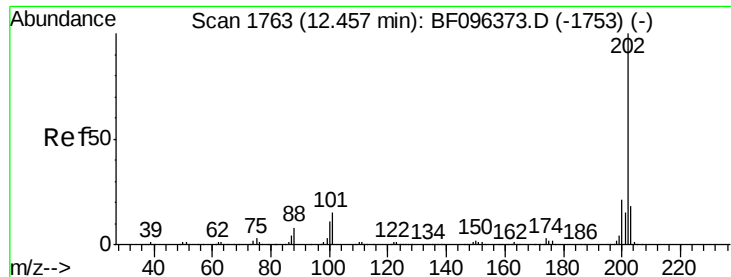
#70
 Phenanthrene
 Concen: 8.267 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion:178 Resp: 146857
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 14.3 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: 10.944 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-C

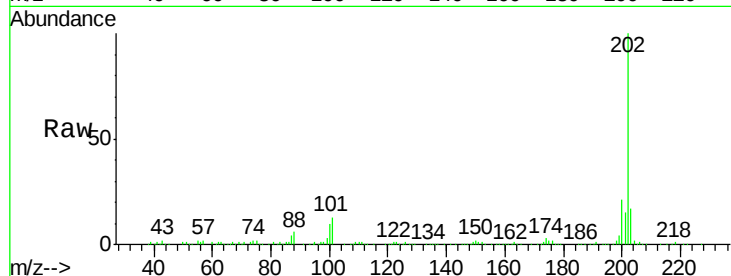
Tgt Ion: 202 Resp: 190598

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

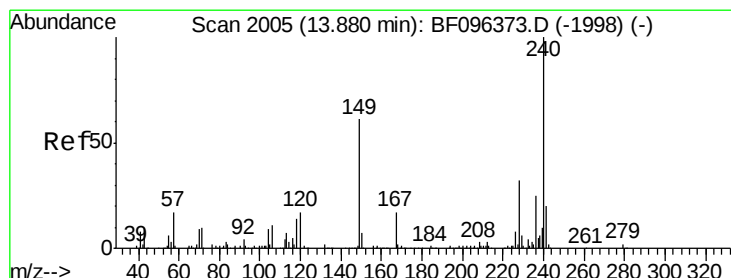
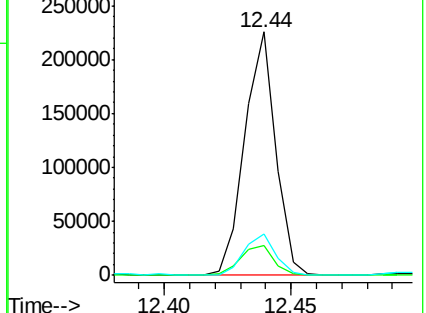
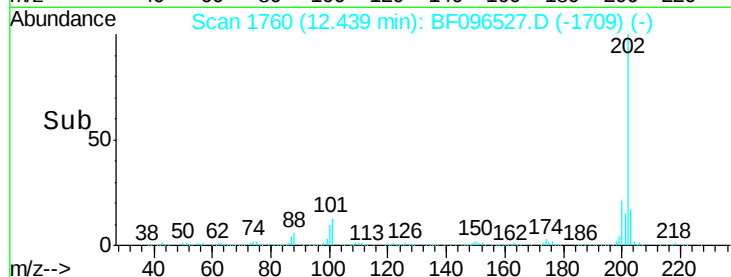
203 17.2 0.0 38.1



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: BF096527.D

Acq: 6 Jul 2017 12:31

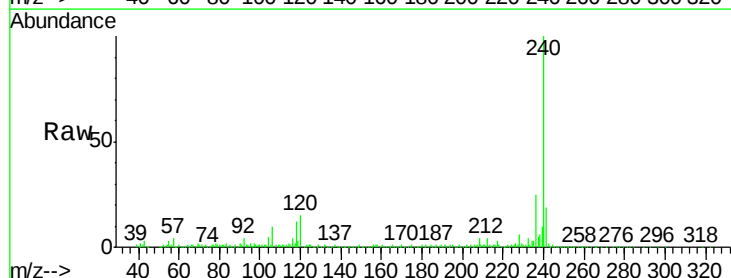
Tgt Ion: 240 Resp: 243155

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

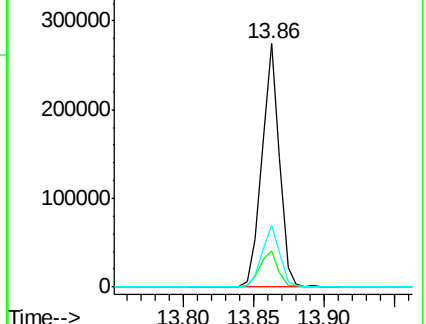
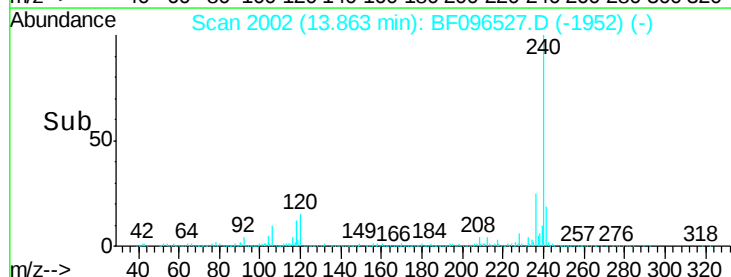
236 25.2 20.5 30.7

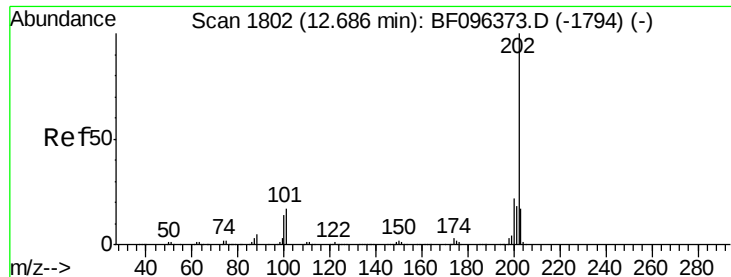


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.411 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-C

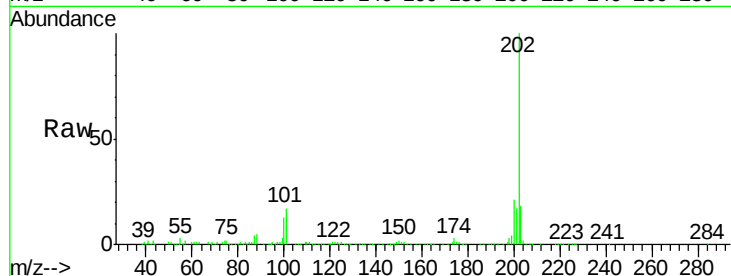
Tgt Ion: 202 Resp: 183670

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

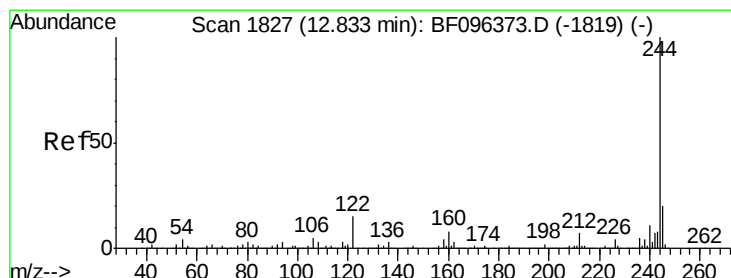
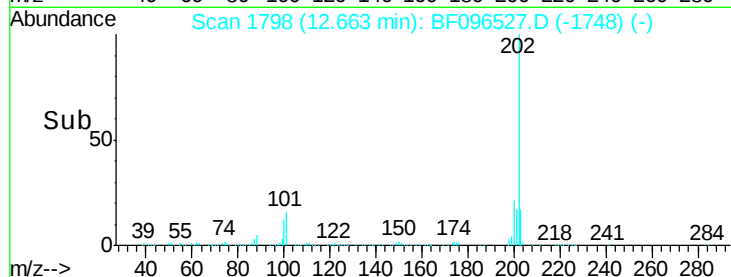
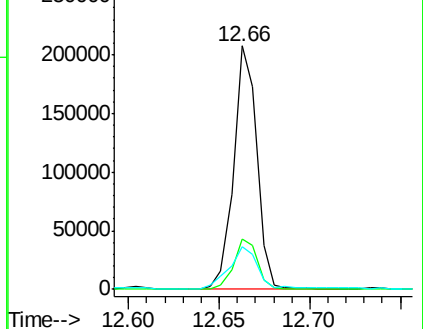
203 17.6 14.4 21.6



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: 52.540 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

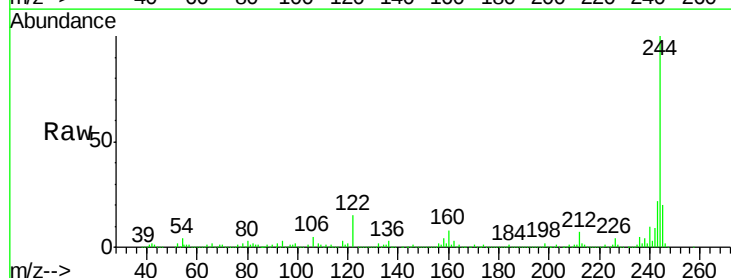
Tgt Ion: 244 Resp: 597866

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

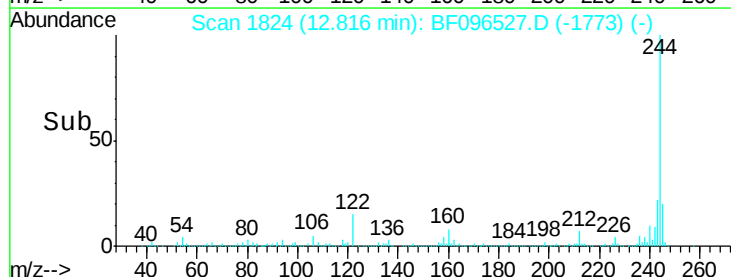
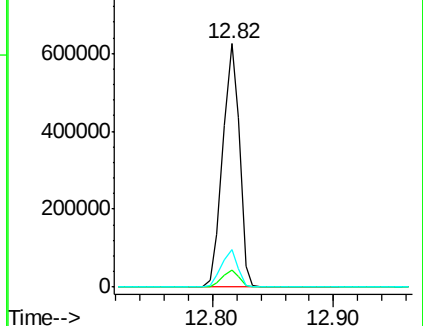
122 15.2 10.3 15.5

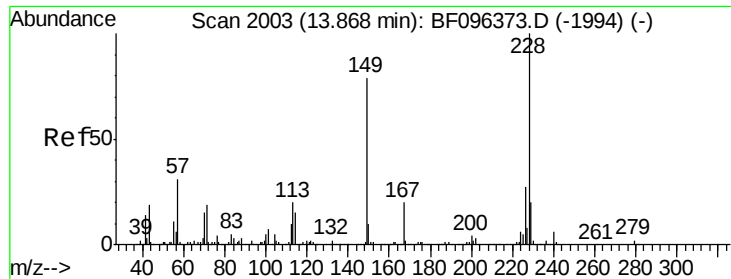


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

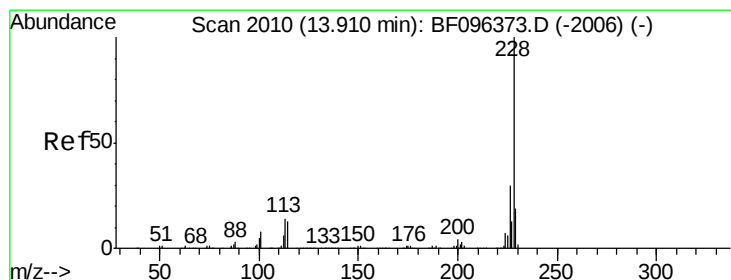
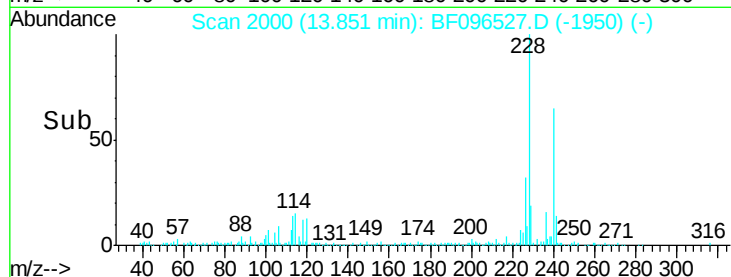
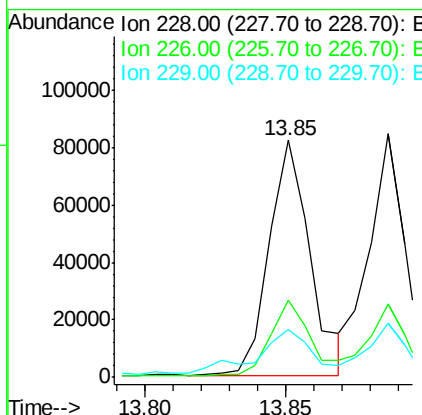
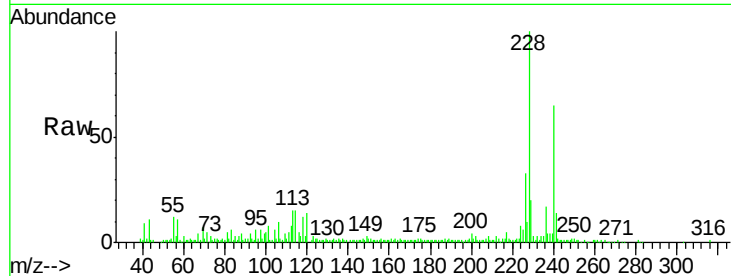




#80
Benzo(a)anthracene
Concen: 5.933 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

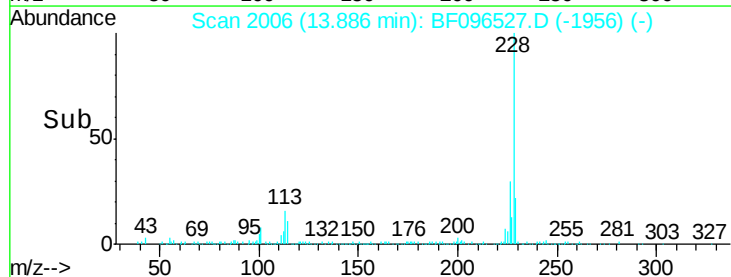
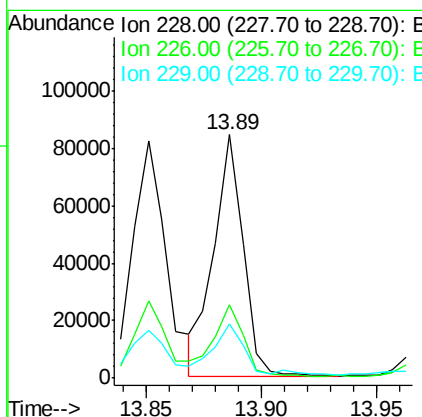
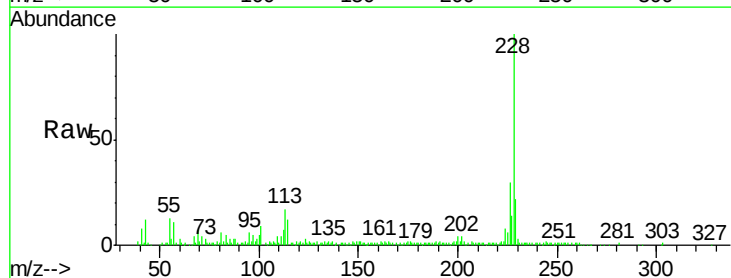
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

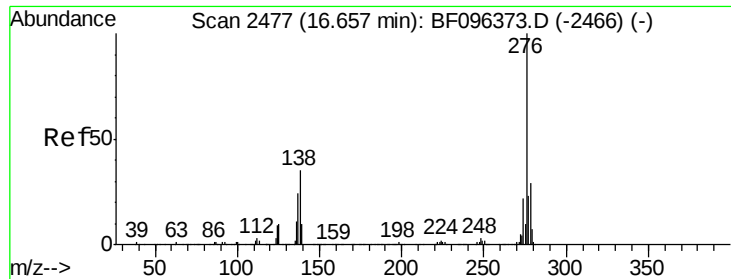
Tgt Ion:228 Resp: 83539
Ion Ratio Lower Upper
228 100
226 32.8 22.6 33.8
229 20.3 16.3 24.5



#82
Chrysene
Concen: 5.067 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion:228 Resp: 74711
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 22.5 15.8 23.6

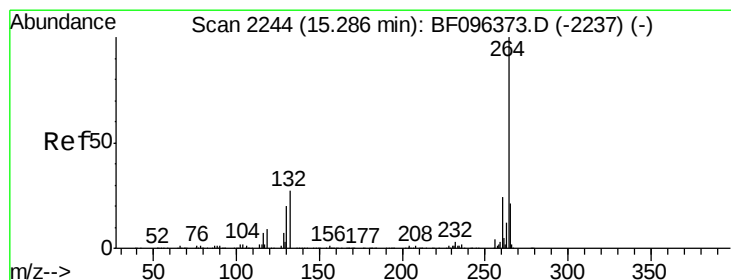
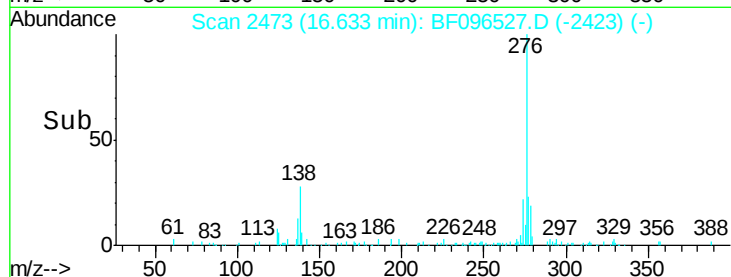
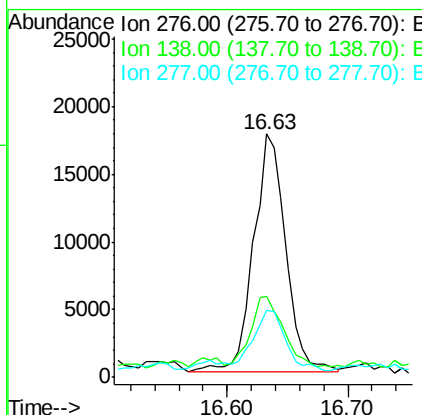
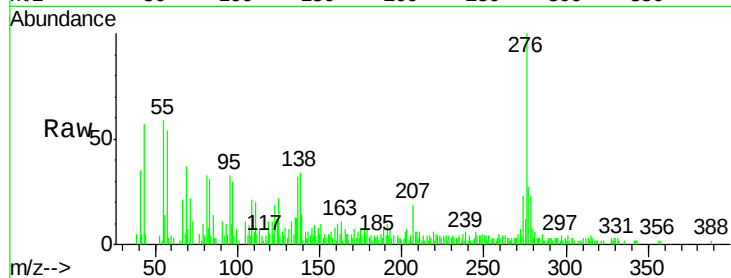




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.791 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

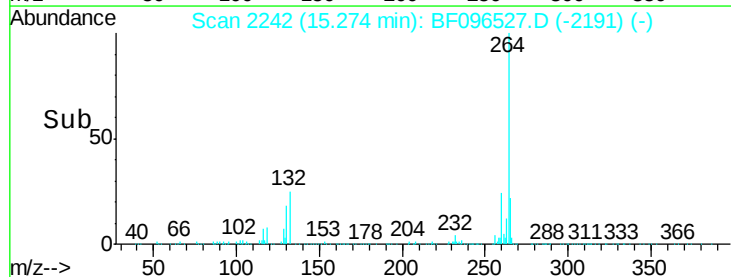
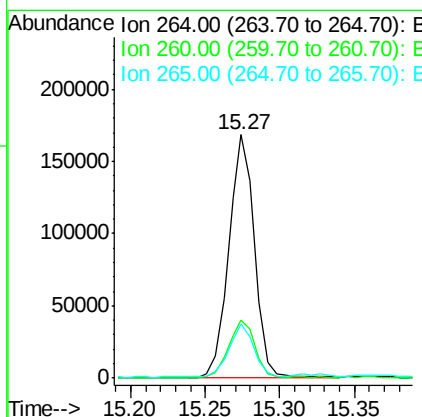
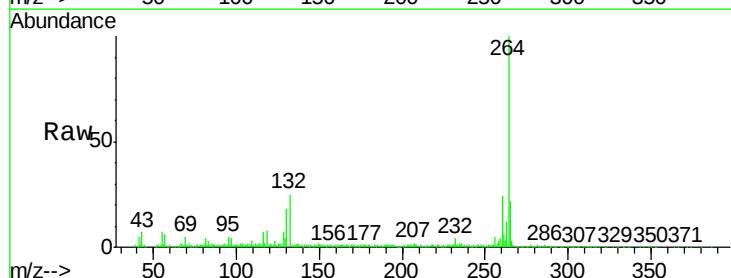
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-C

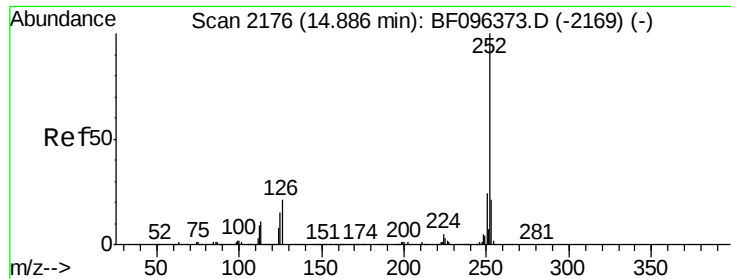
Tgt Ion:276 Resp: 32484
 Ion Ratio Lower Upper
 276 100
 138 30.3 27.8 41.6
 277 25.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096527.D
 Acq: 6 Jul 2017 12:31

Tgt Ion:264 Resp: 201753
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.1 17.2 25.8

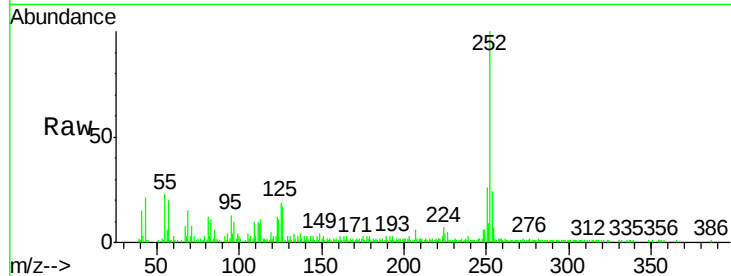




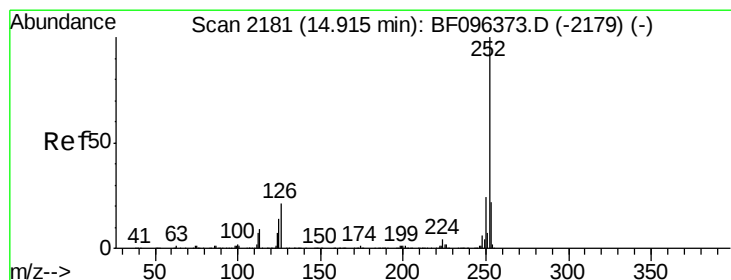
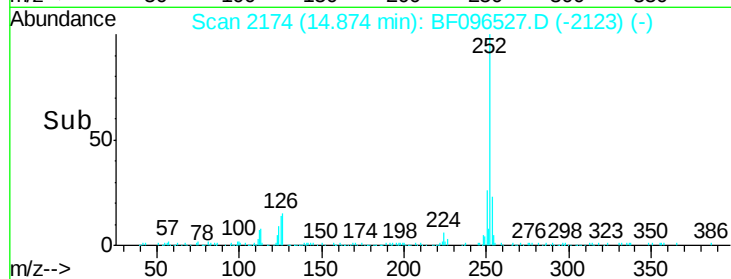
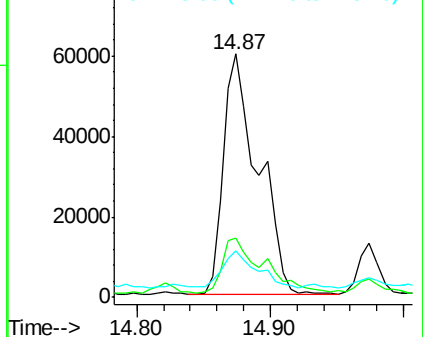
#87
Benzo(b)fluoranthene
Concen: 8.628 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-C

Tgt Ion:252 Resp: 109073
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 19.0 9.8 14.8#

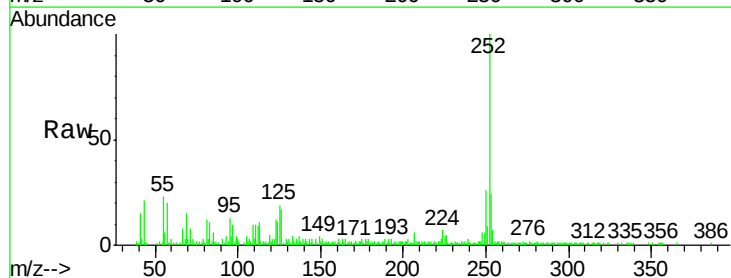


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

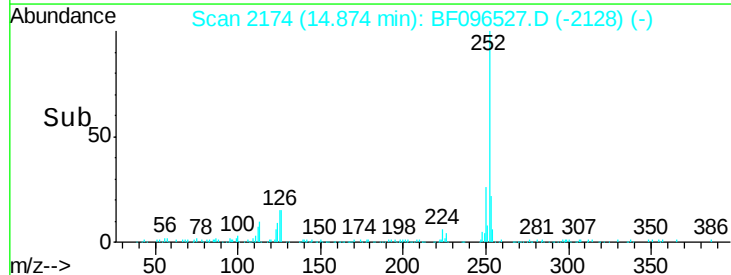
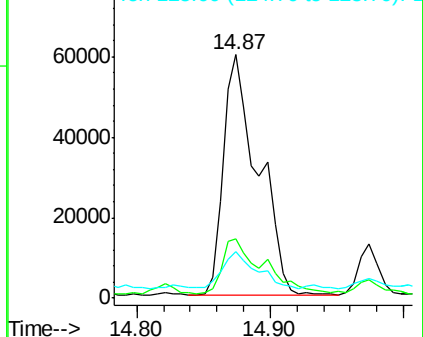


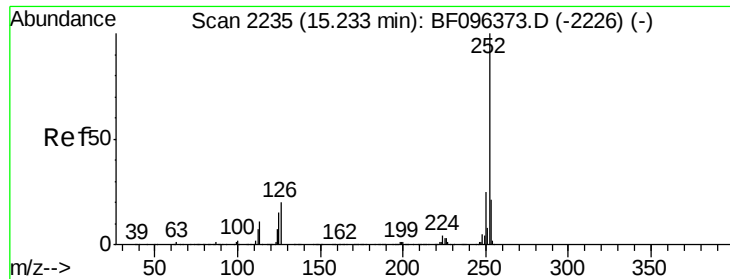
#88
Benzo(k)fluoranthene
Concen: 9.645 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096527.D
Acq: 6 Jul 2017 12:31

Tgt Ion:252 Resp: 109073
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 19.0 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: 5.275 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-C

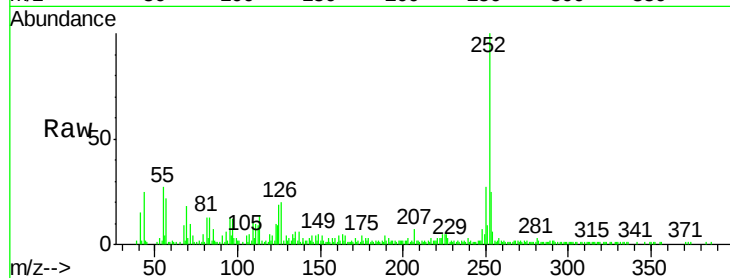
Tgt Ion:252 Resp: 59533

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

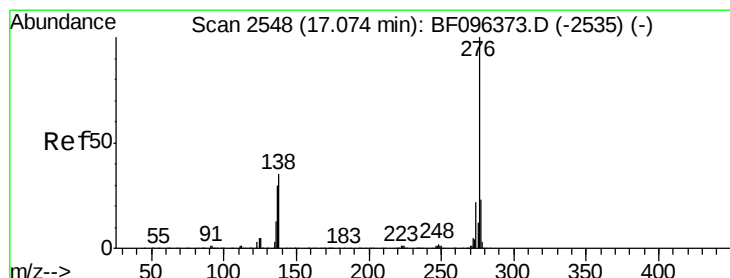
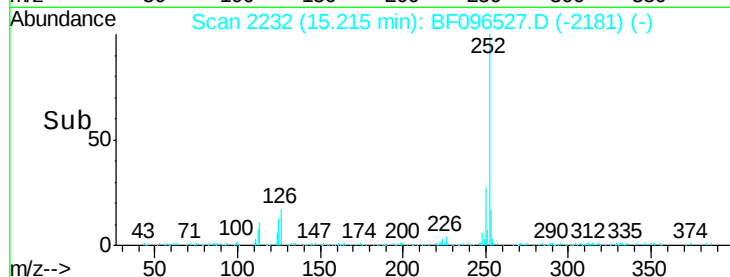
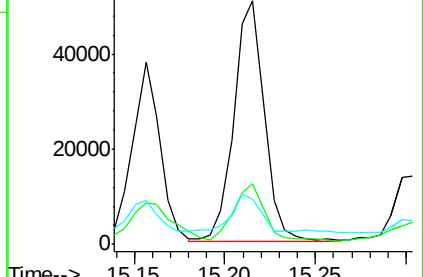
125 18.6 11.0 16.4#



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: 3.413 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF096527.D

Acq: 6 Jul 2017 12:31

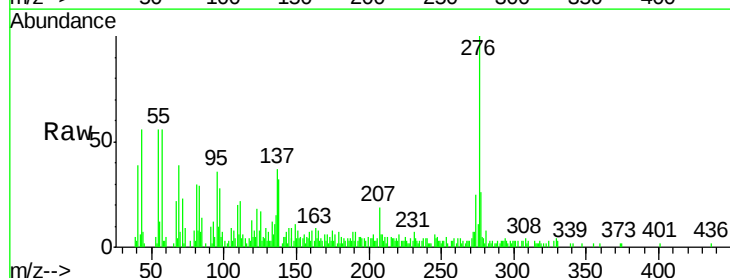
Tgt Ion:276 Resp: 31400

Ion Ratio Lower Upper

276 100

277 25.9 18.6 28.0

138 31.9 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

