

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096484.D
 Acq On : 5 Jul 2017 15:20
 Operator : SJ/MA
 Sample : I3871-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

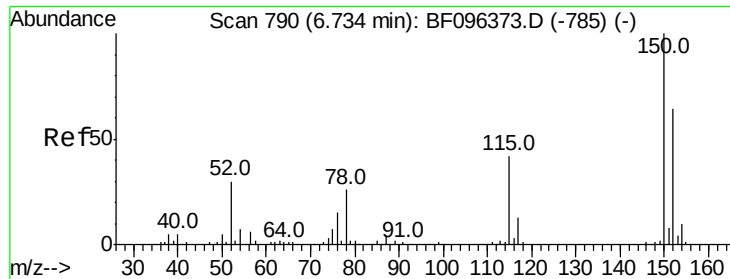
Quant Time: Jul 05 16:41:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	118865	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	494887	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	199222	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	267469	20.00	ng	0.00
75) Chrysene-d12	13.86	240	224250	20.00	ng	0.00
86) Perylene-d12	15.27	264	187710	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	801591	99.54	ng	0.00
7) Phenol-d6	6.35	99	1058592	106.92	ng	0.00
23) Nitrobenzene-d5	7.27	82	554500	67.33	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	155191	99.73	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	959514	82.35	ng	0.00
78) Terphenyl-d14	12.82	244	541055	51.56	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	71658	12.15	ng	# 86
25) Isophorone	7.27	82	551773	34.55	ng	# 67
49) Dimethylphthalate	9.46	163	181057	12.17	ng	100
56) 2,4-Dinitrotoluene	9.75	165	25231	6.06	ng	# 32
66) 4-Bromophenyl-phenylether	10.53	248	10363	3.98	ng	# 1
70) Phenanthrene	11.25	178	212514	14.70	ng	98
71) Anthracene	11.30	178	55064	3.74	ng	96
74) Fluoranthene	12.44	202	334670	23.61	ng	98
77) Pyrene	12.67	202	318727	17.71	ng	97
80) Benzo(a)anthracene	13.85	228	176004	13.55	ng	97
82) Chrysene	13.89	228	159820	11.75	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	66904	6.23	ng	99
87) Benzo(b)fluoranthene	14.87	252	228737	19.45	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	228737	21.74	ng	99
89) Benzo(a)pyrene	15.21	252	124081	11.82	ng	# 95
91) Benzo(g,h,i)perylene	17.03	276	57469	6.71	ng	96

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

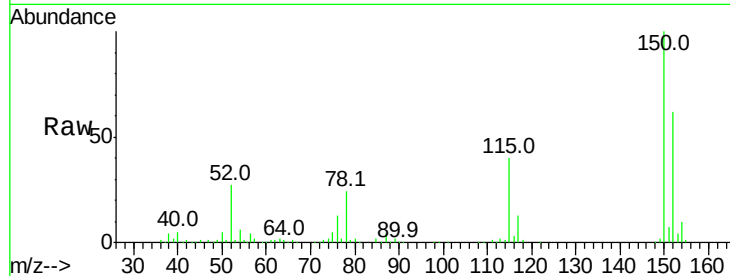


#1

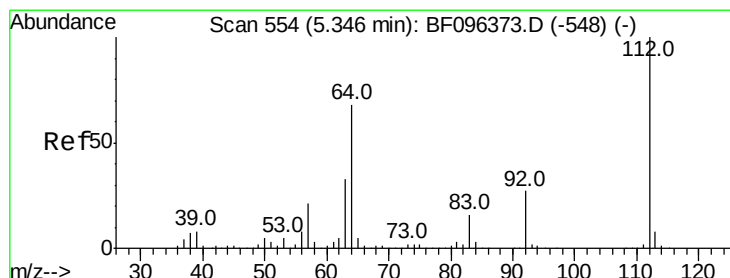
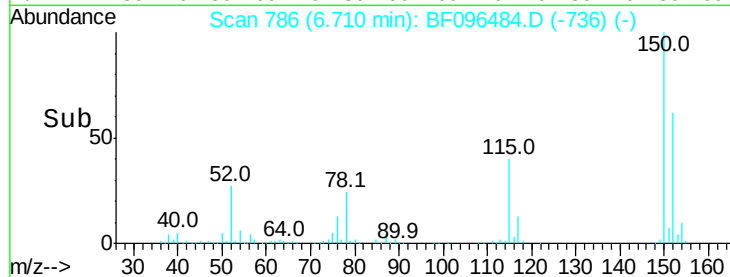
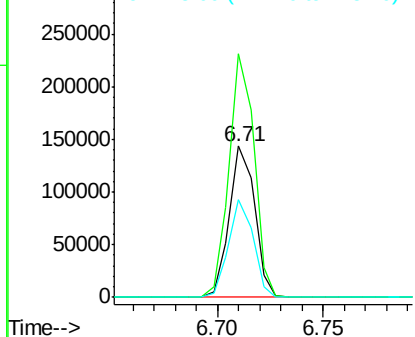
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118865
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 64.9 52.2 78.2



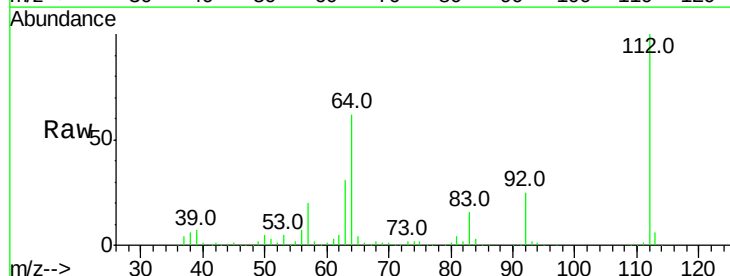
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



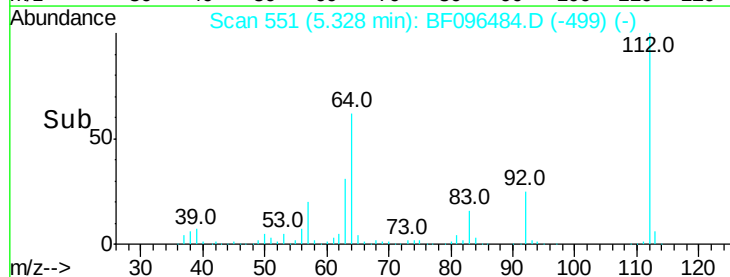
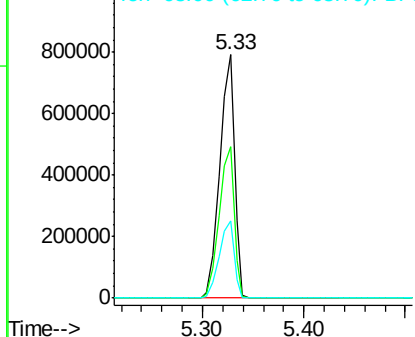
#5

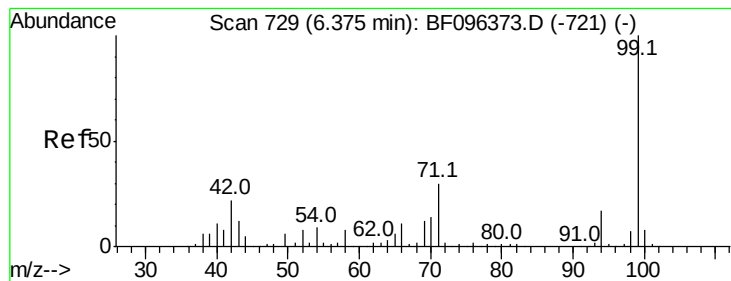
2-Fluorophenol
Concen: 99.54 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:112 Resp: 801591
Ion Ratio Lower Upper
112 100
64 62.0 46.0 69.0
63 31.5 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: 106.92 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

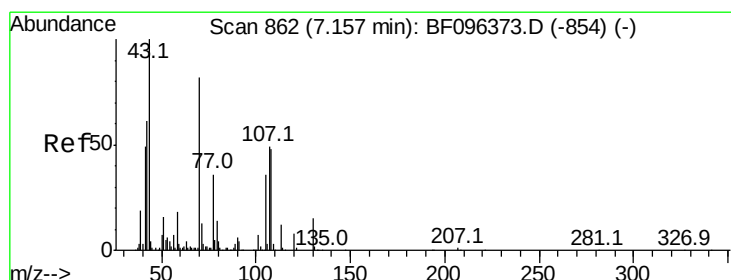
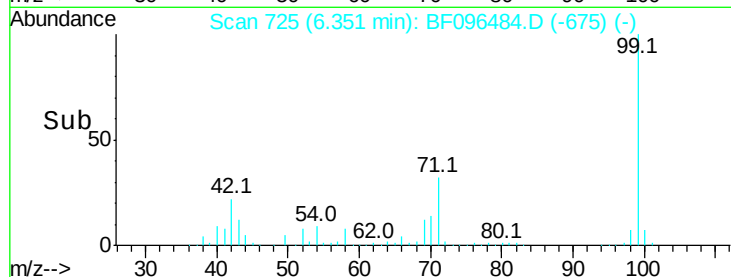
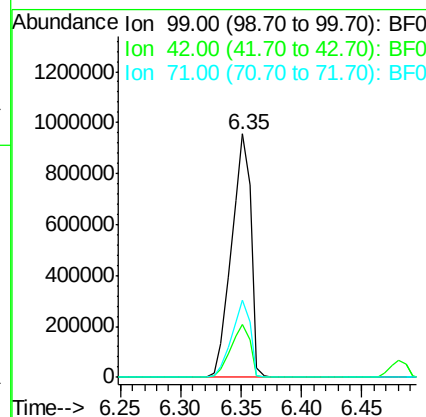
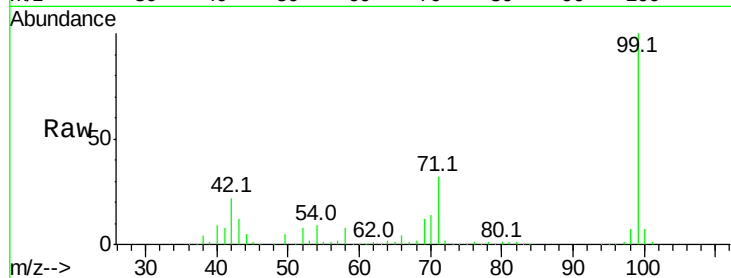
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1058592

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	31.6	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.15 ng

RT: 7.27 min Scan# 882

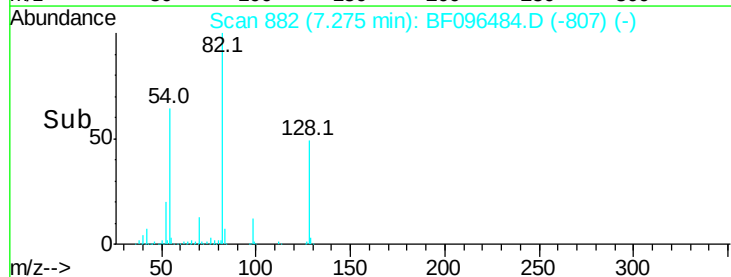
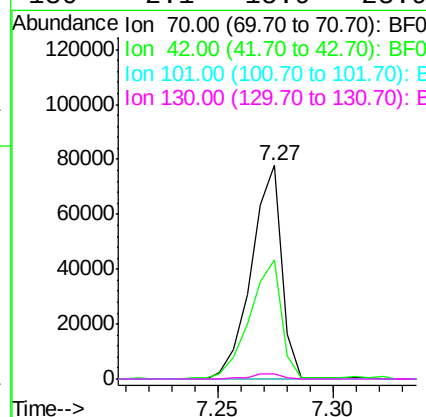
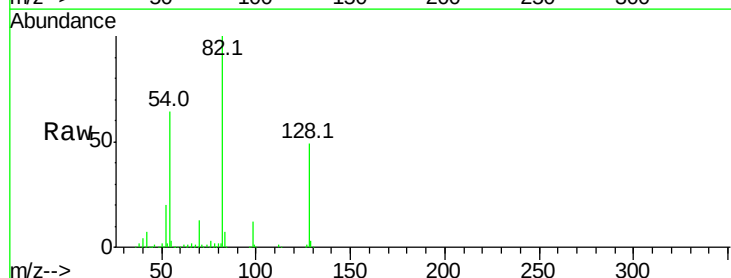
Delta R.T. 0.14 min

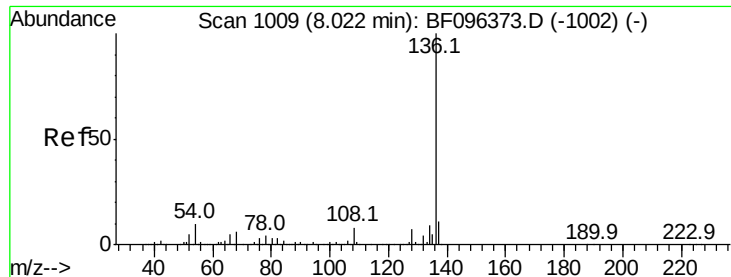
Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Tgt Ion: 70 Resp: 71658

Ion	Ratio	Lower	Upper
70	100		
42	55.6	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#

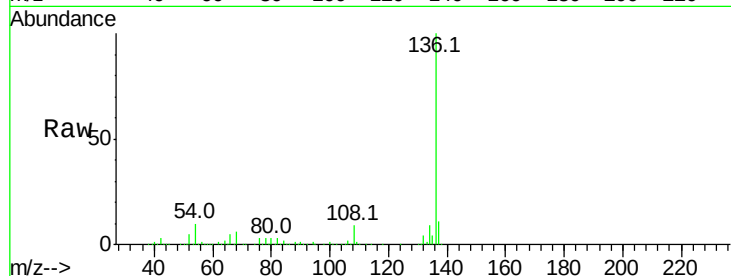




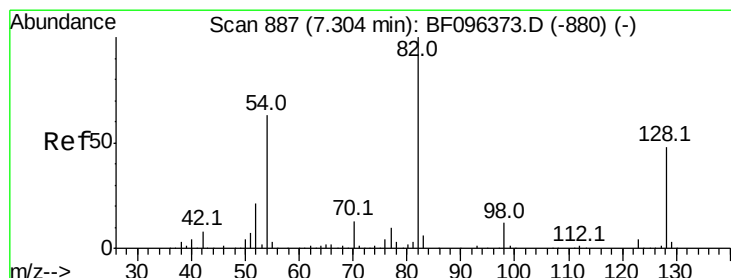
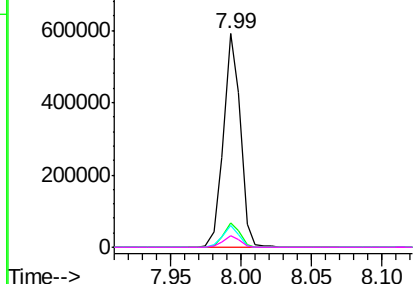
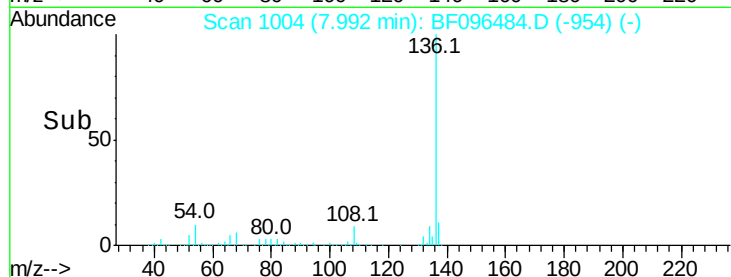
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	494887
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.5	4.9	7.3#
68	5.5	4.1	6.1

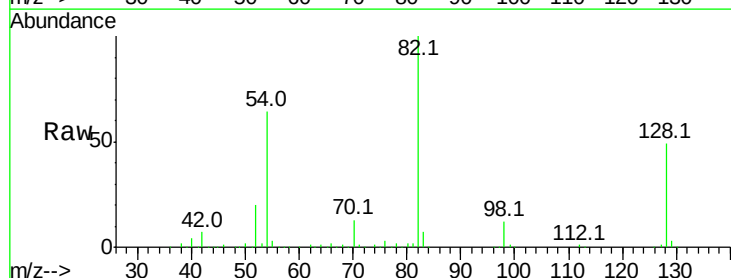


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

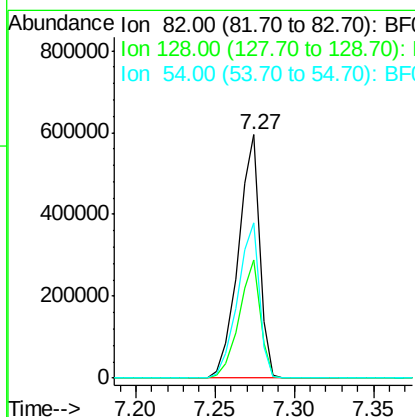
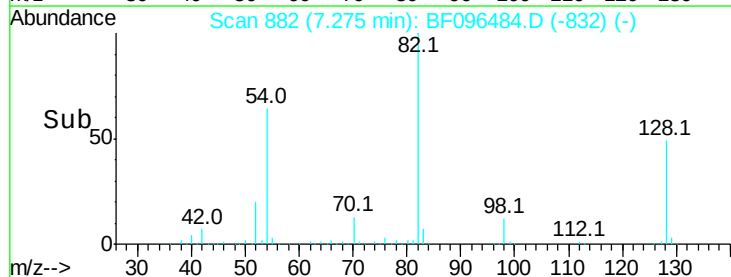


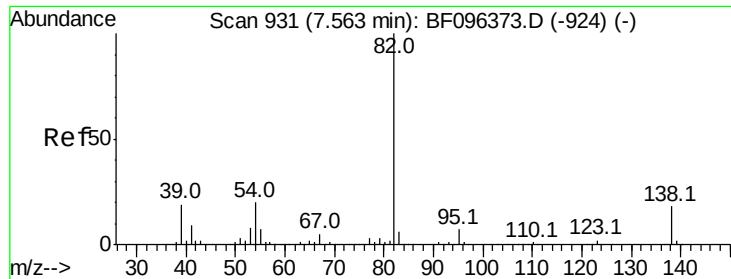
#23
Nitrobenzene-d5
Concen: 67.33 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:	82	Resp:	554500
Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	63.9	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: 34.55 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Instrument :
BNA_F
ClientSampled :

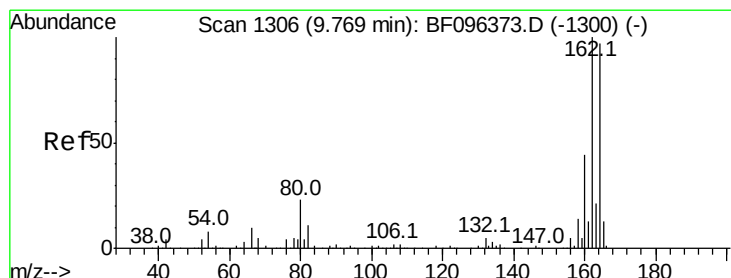
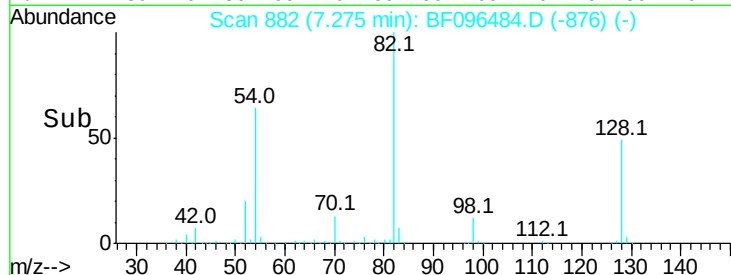
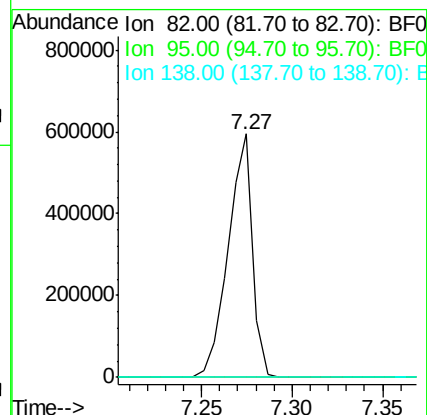
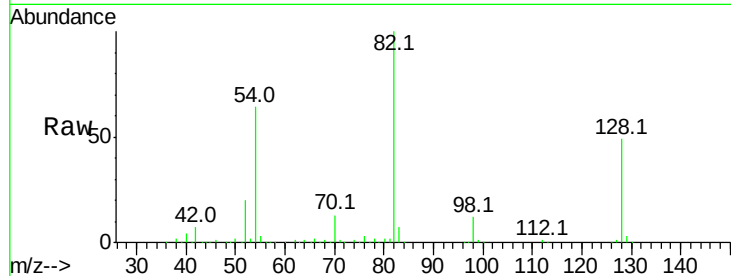
Tot Ion: 82 Resp: 551773

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

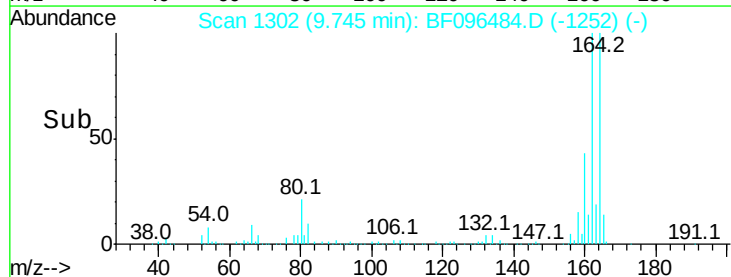
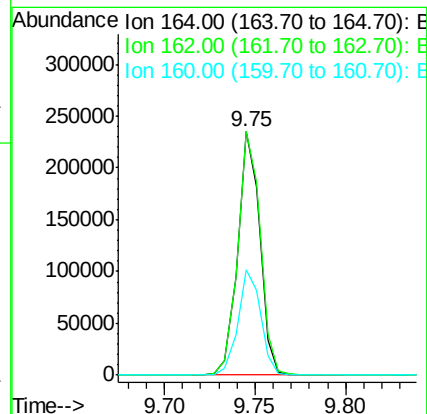
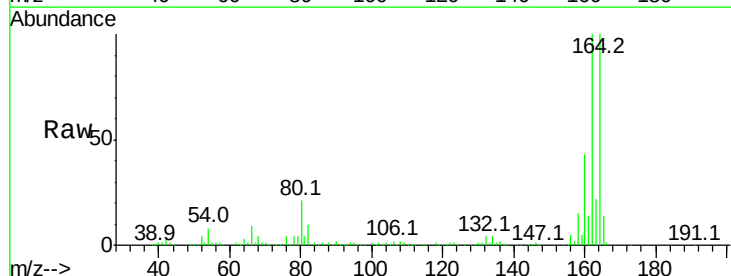
Tgt Ion:164 Resp: 199222

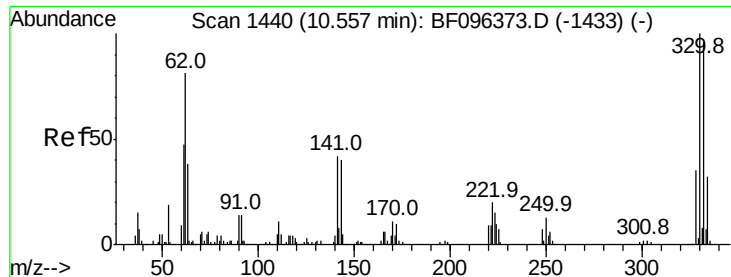
Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

160 43.3 36.2 54.2

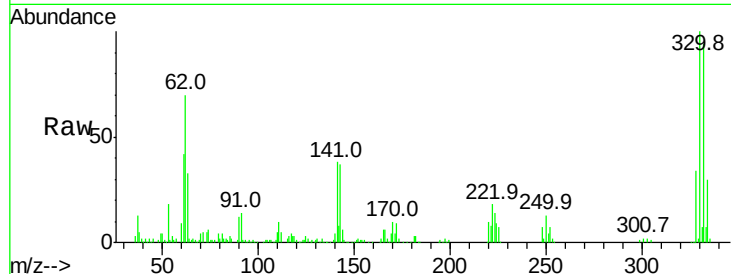




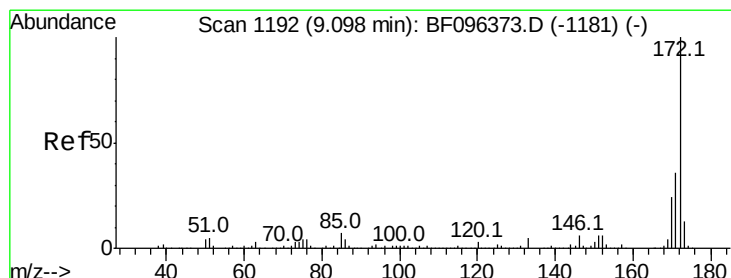
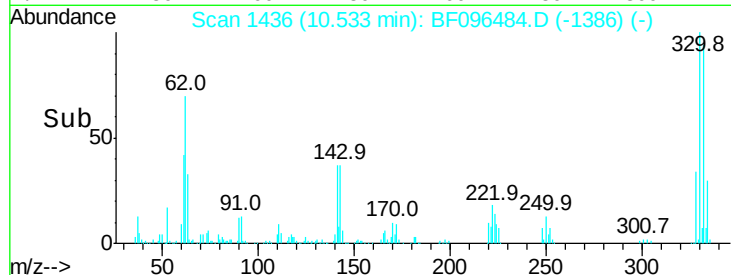
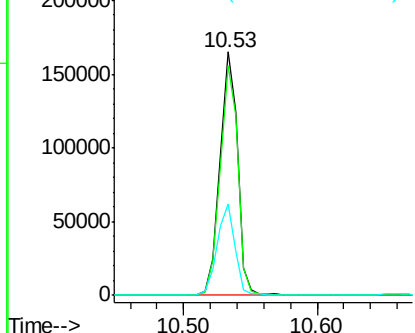
#41
 2,4,6-Tribromophenol
 Concen: 99.73 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096484.D
 Acq: 5 Jul 2017 15:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 155191
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 38.4 31.4 47.2

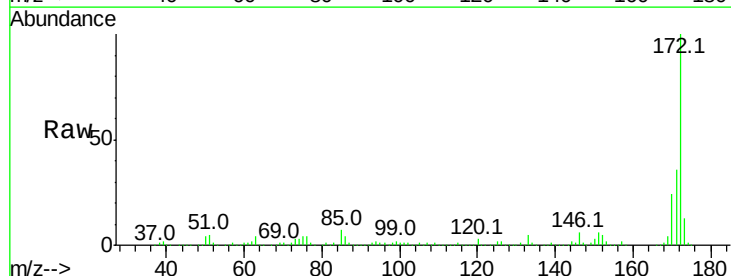


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

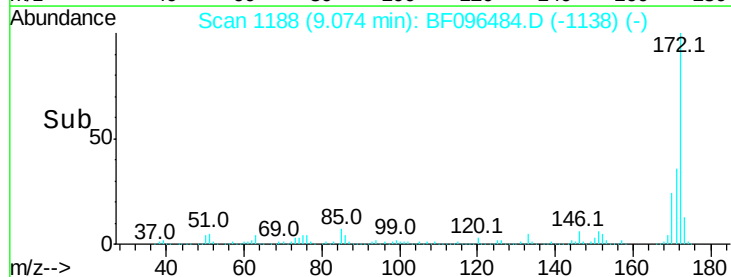
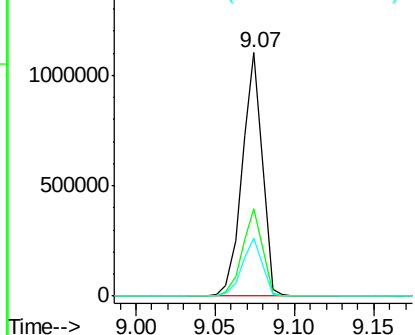


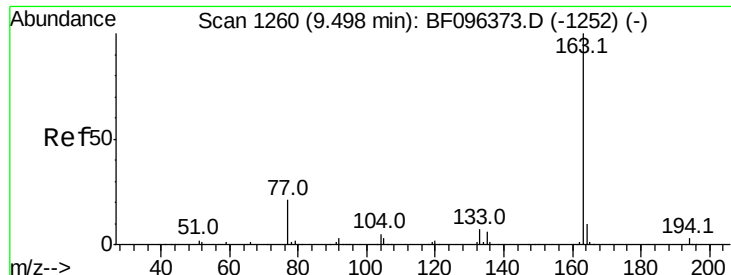
#44
 2-Fluorobiphenyl
 Concen: 82.35 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096484.D
 Acq: 5 Jul 2017 15:20

Tgt Ion:172 Resp: 959514
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.8 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: 12.17 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Instrument :

BNA_F

ClientSampled :

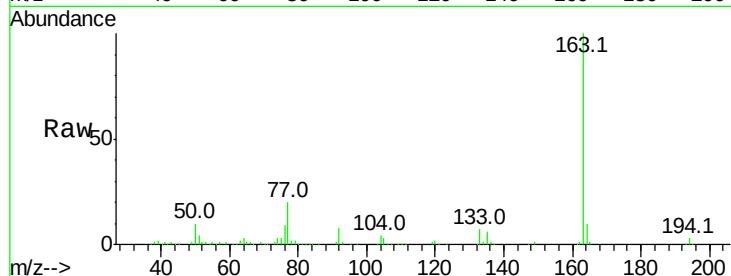
Tot Ion:163 Resp: 181057

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

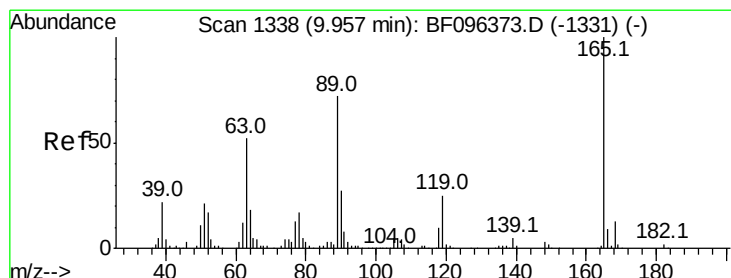
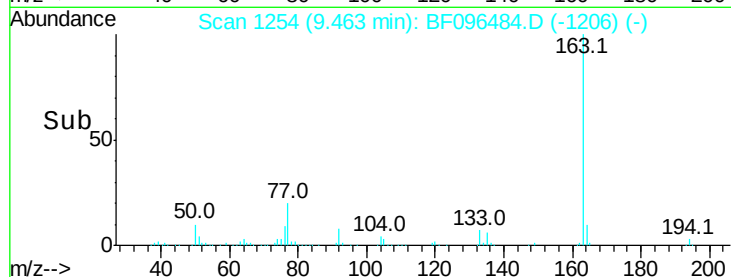
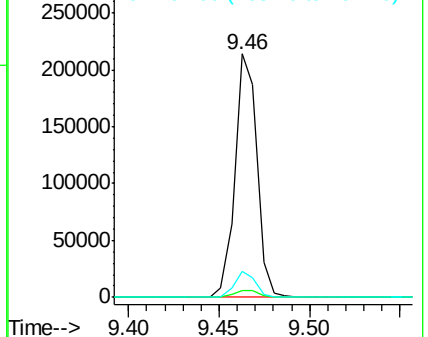
164 10.5 8.4 12.6



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: 6.06 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.19 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Tgt Ion:165 Resp: 25231

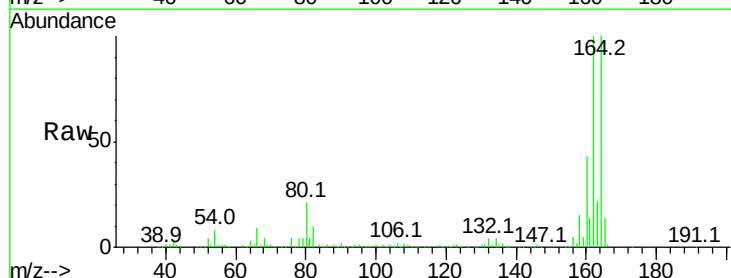
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

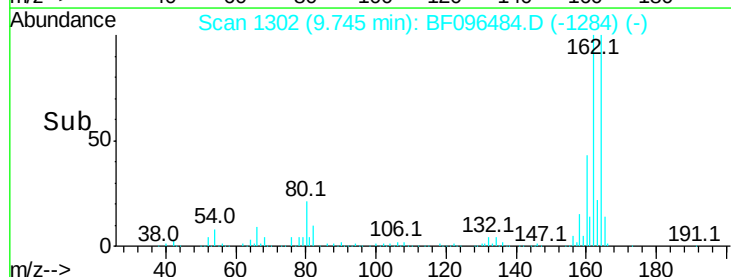
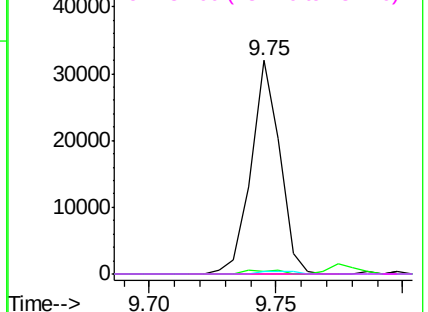


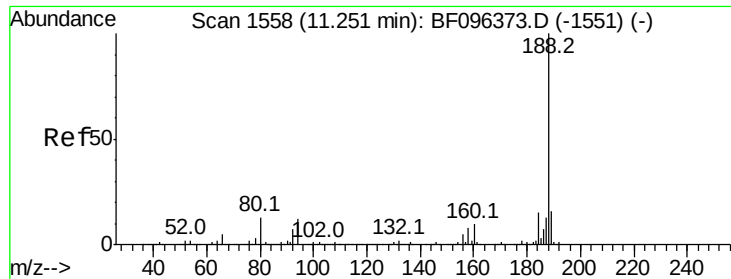
Abundance Ion 165.00 (164.70 to 165.70): E

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

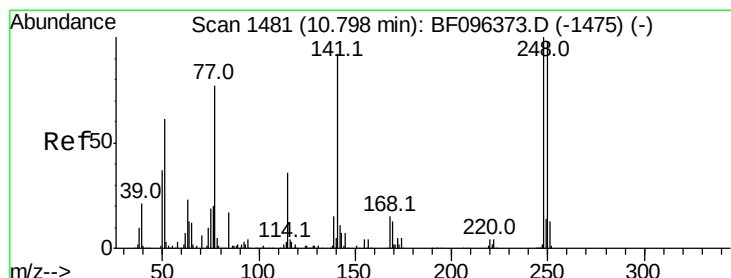
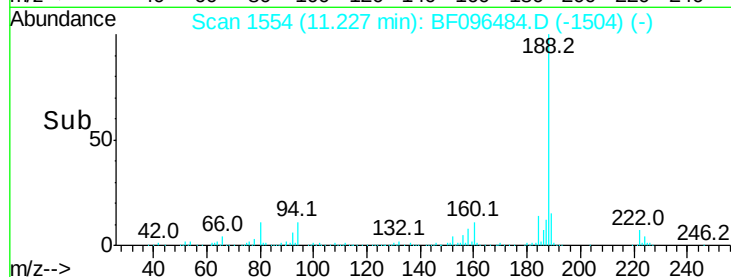
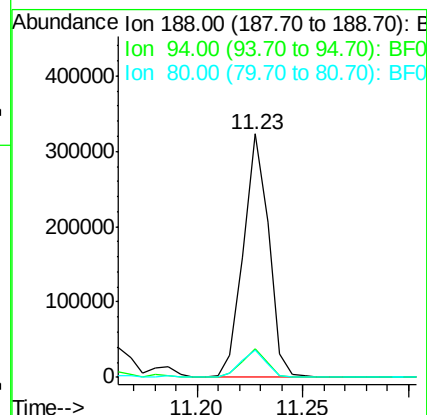
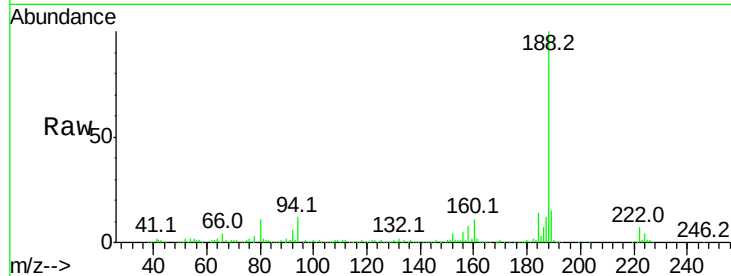




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

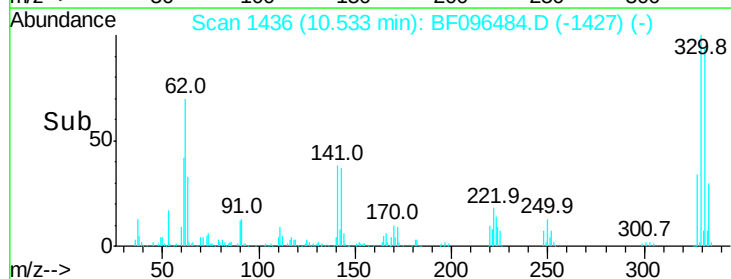
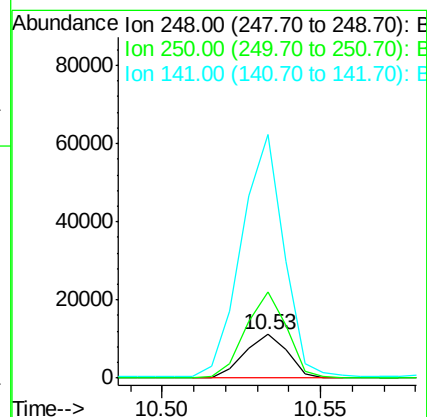
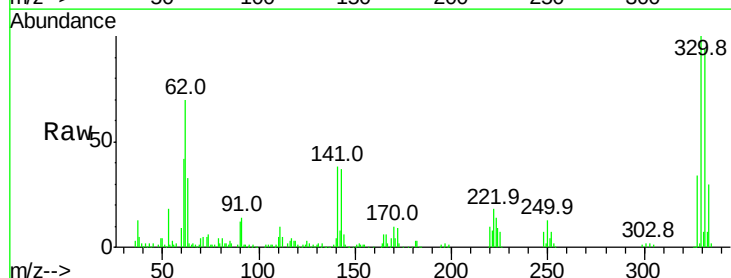
Instrument :
BNA_F
ClientSampleId :

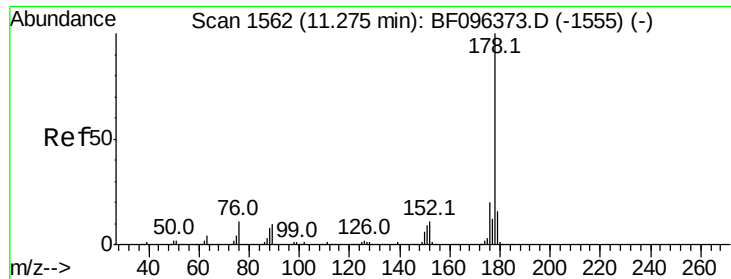
Tot Ion:188 Resp: 267469
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.4 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:248 Resp: 10363
Ion Ratio Lower Upper
248 100
250 197.0 76.8 115.2#
141 559.5 68.6 103.0#

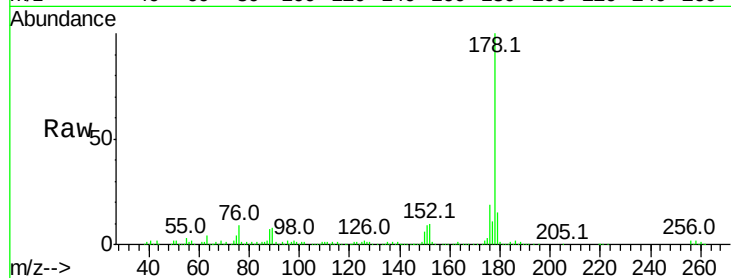




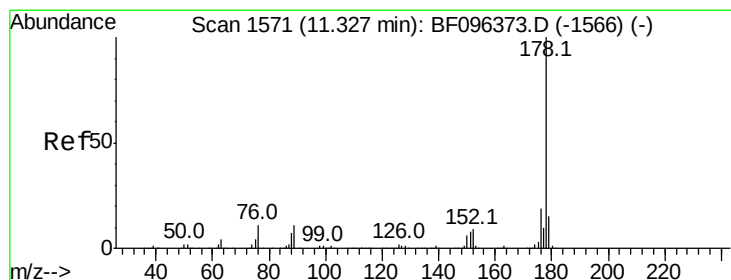
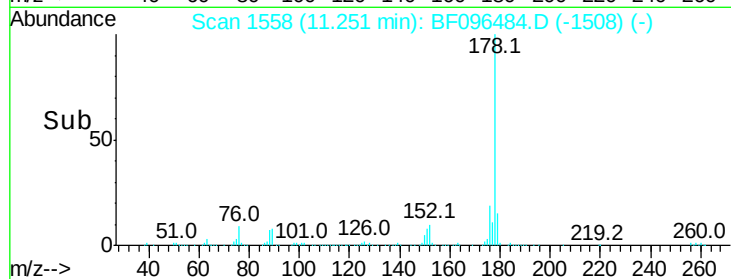
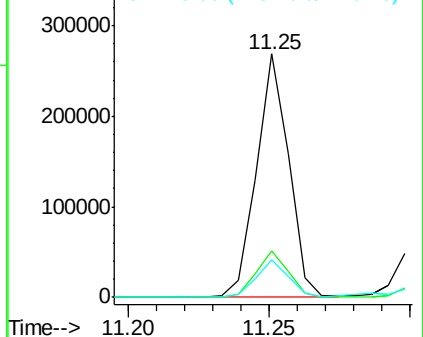
#70
Phenanthrene
Concen: 14.70 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 212514
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.2 12.6 19.0

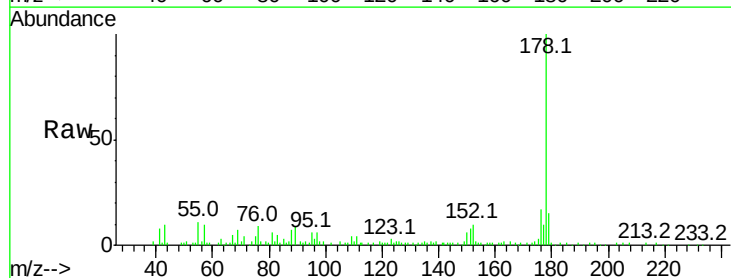


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

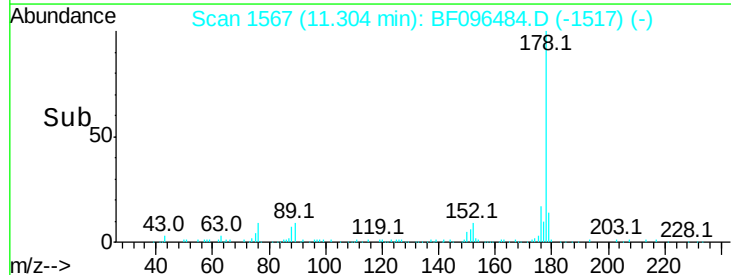
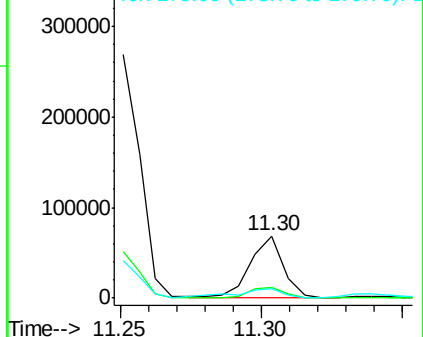


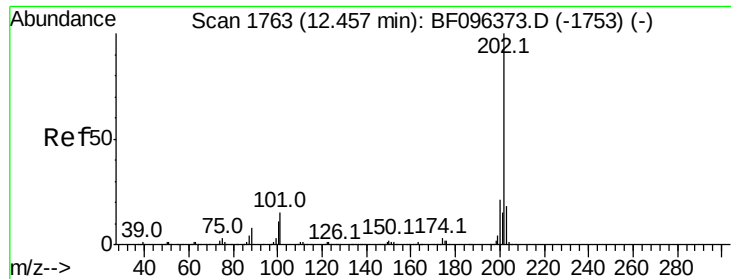
#71
Anthracene
Concen: 3.74 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:178 Resp: 55064
Ion Ratio Lower Upper
178 100
176 17.0 15.8 23.8
179 15.1 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: 23.61 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Instrument :

BNA_F

ClientSampleId :

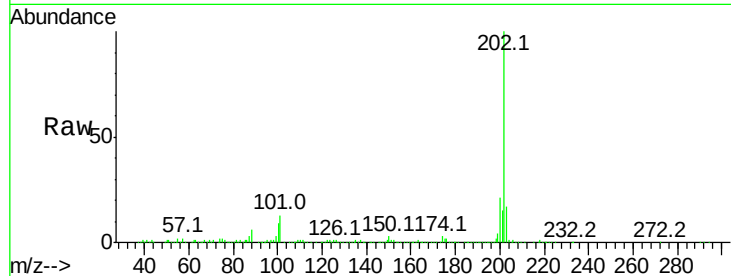
Tot Ion:202 Resp: 334670

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

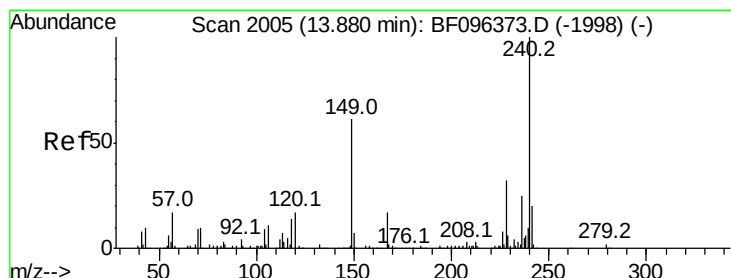
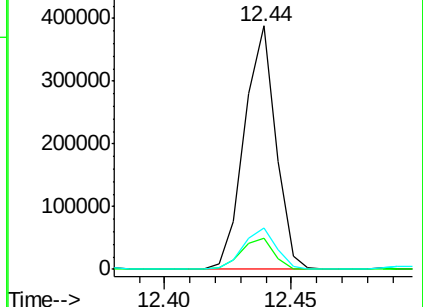
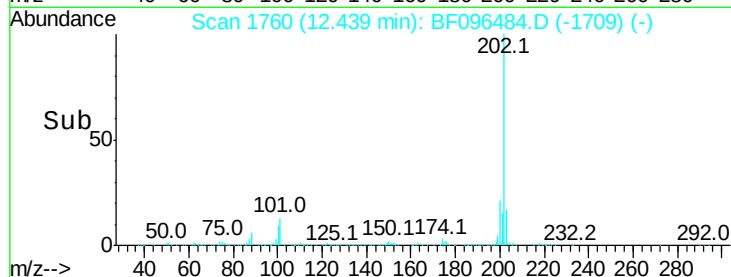
203 16.9 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

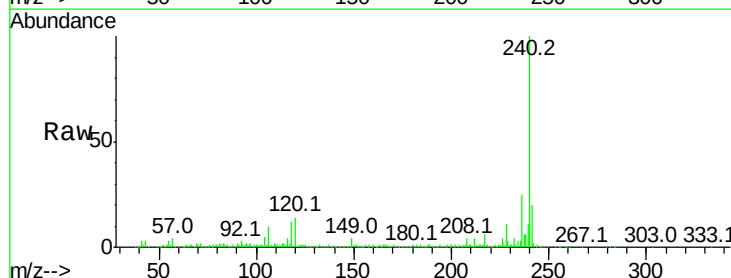
Tgt Ion:240 Resp: 224250

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

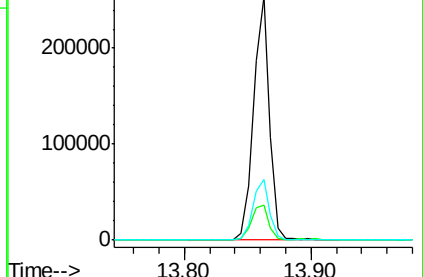
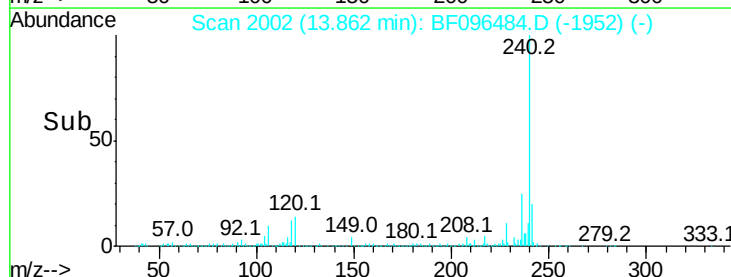
236 25.1 20.5 30.7

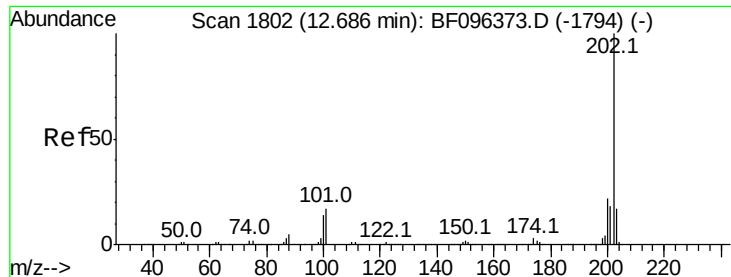


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.71 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Instrument :

BNA_F

ClientSampleId :

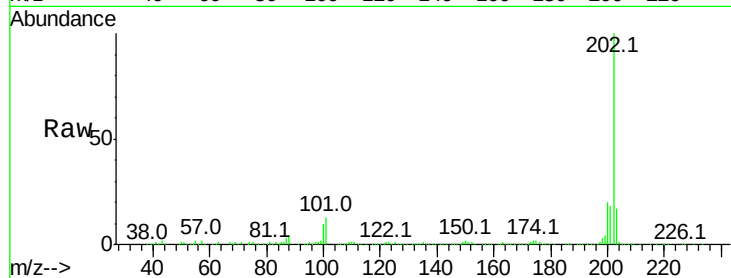
Tot Ion:202 Resp: 318727

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

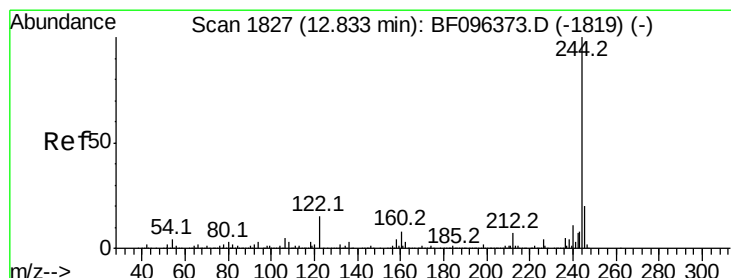
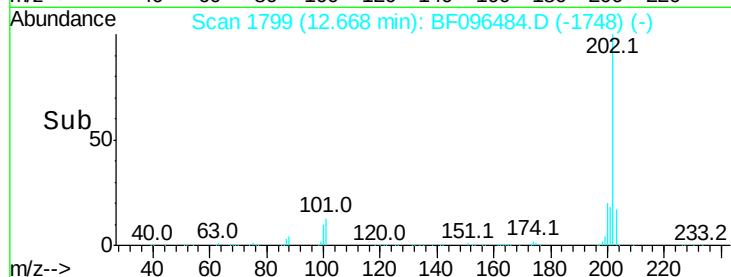
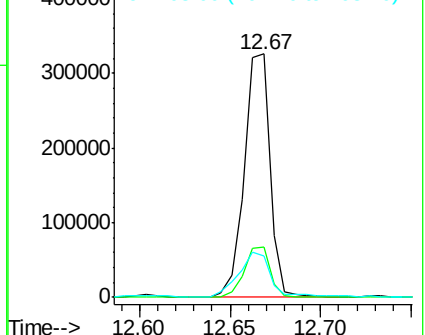
203 17.2 14.4 21.6



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: 51.56 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

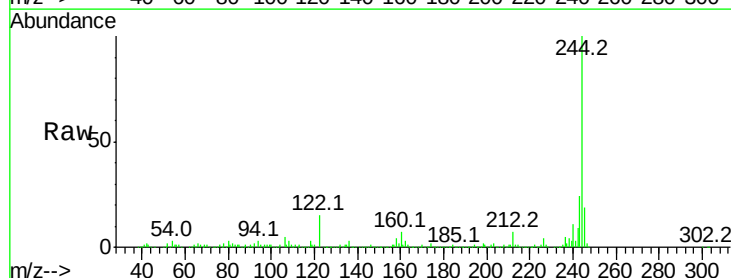
Tgt Ion:244 Resp: 541055

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

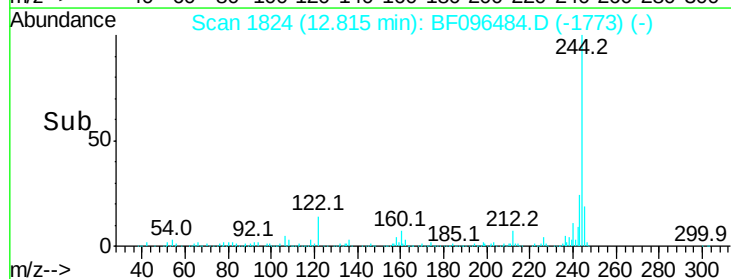
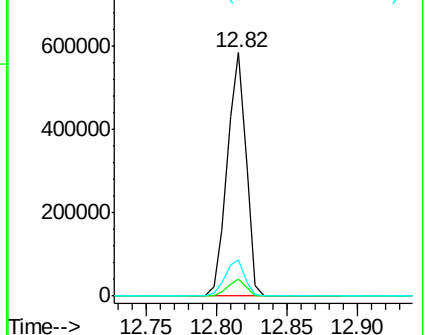
122 14.6 10.3 15.5

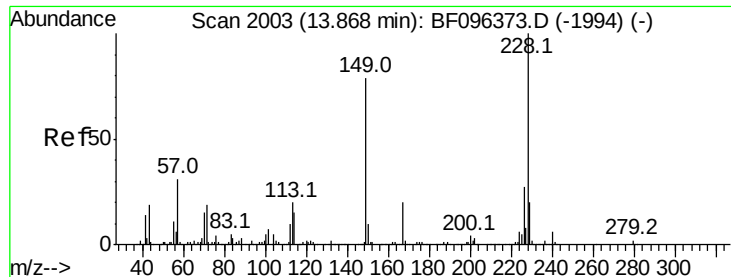


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

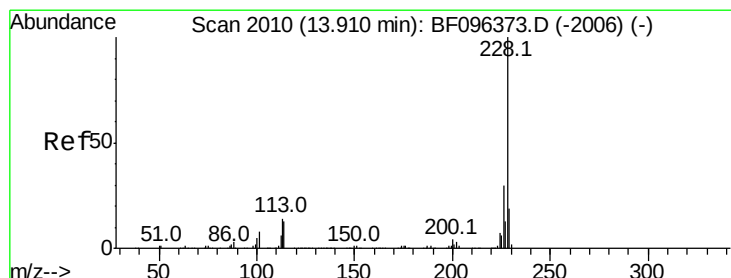
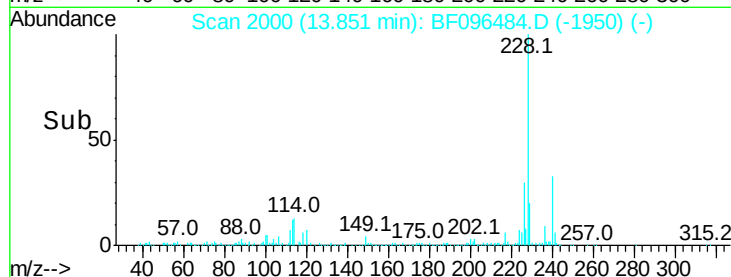
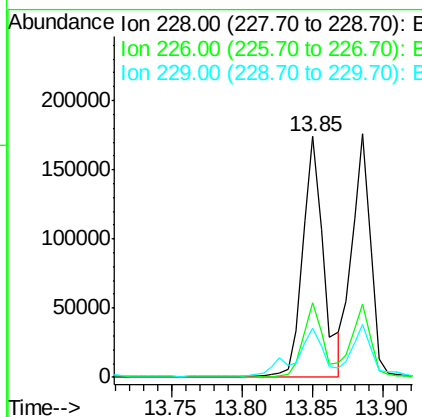
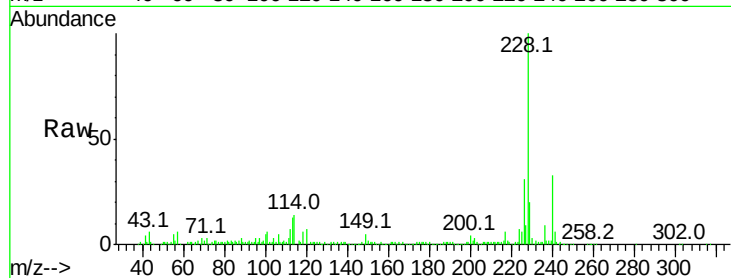




#80
Benzo(a)anthracene
Concen: 13.55 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

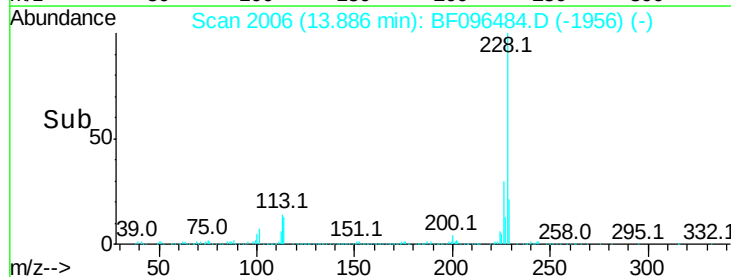
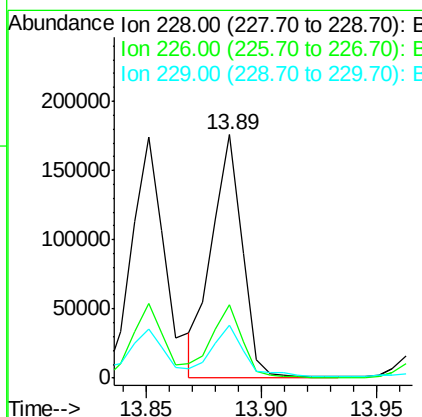
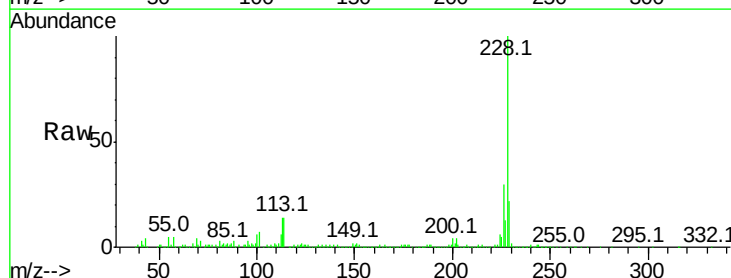
Instrument :
BNA_F
ClientSampleId :

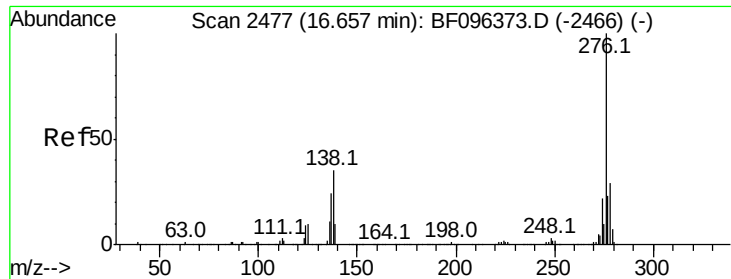
Tot Ion:228 Resp: 176004
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 20.4 16.3 24.5



#82
Chrysene
Concen: 11.75 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:228 Resp: 159820
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 21.6 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.23 ng

RT: 16.63 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Instrument :

BNA_F

ClientSampled :

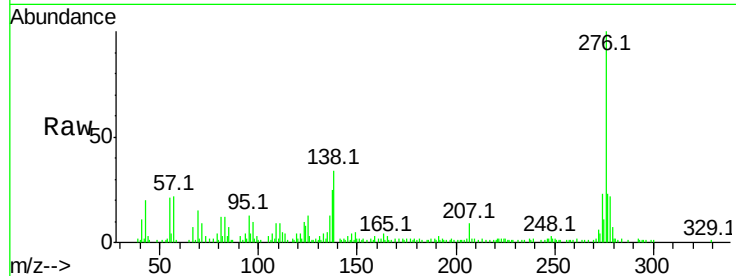
Tot Ion:276 Resp: 66904

Ion Ratio Lower Upper

276 100

138 33.8 27.8 41.6

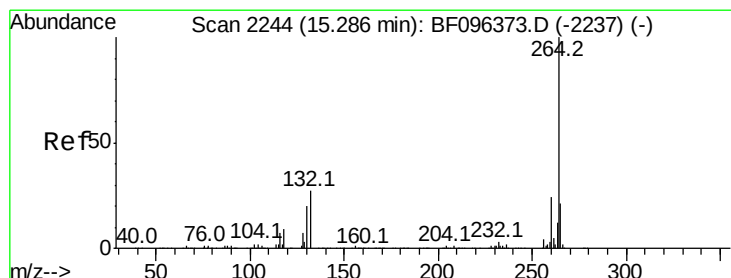
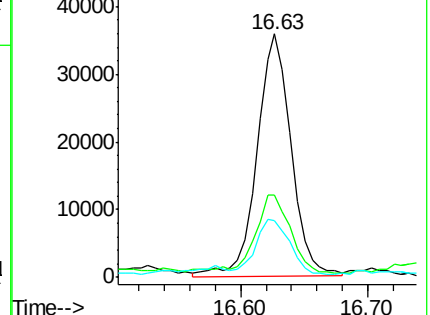
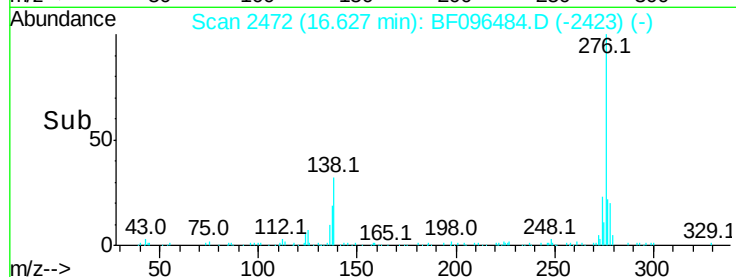
277 25.3 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

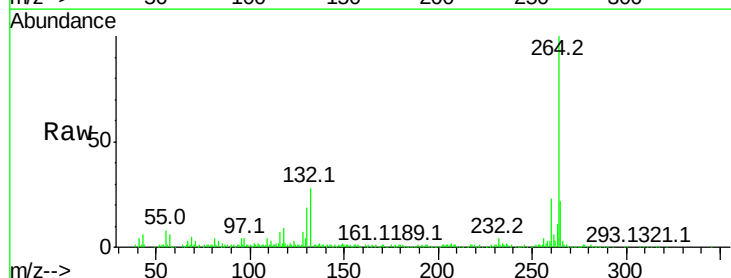
Tgt Ion:264 Resp: 187710

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

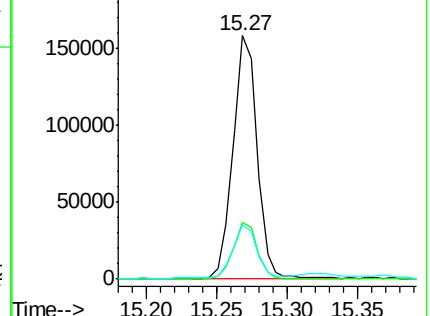
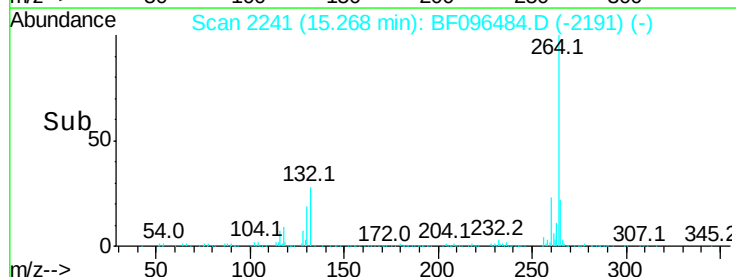
265 22.0 17.2 25.8

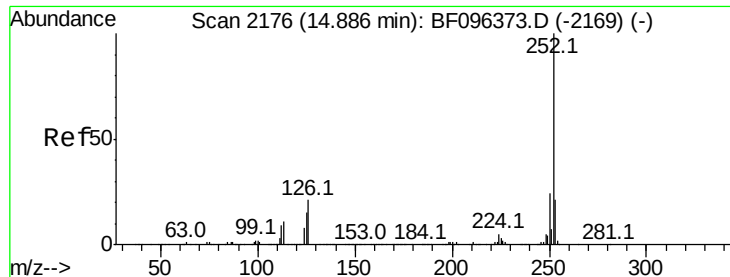


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.45 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096484.D

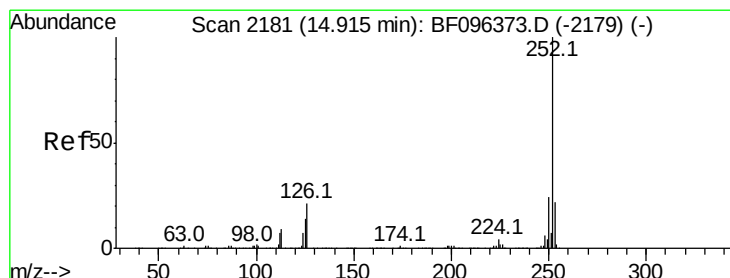
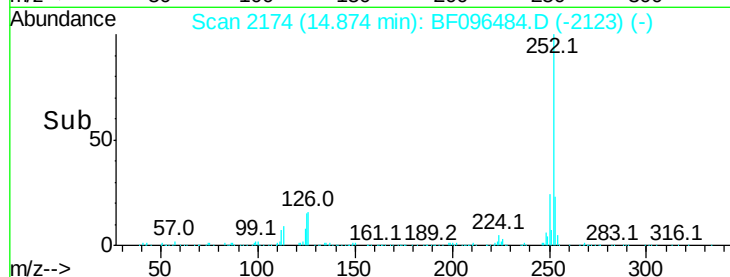
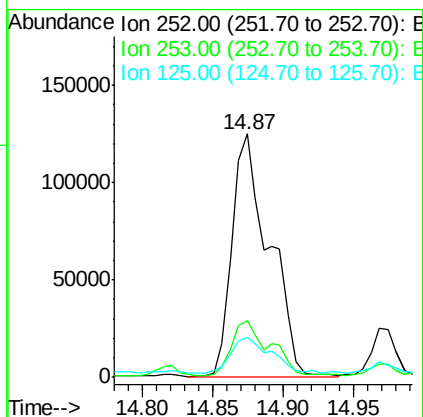
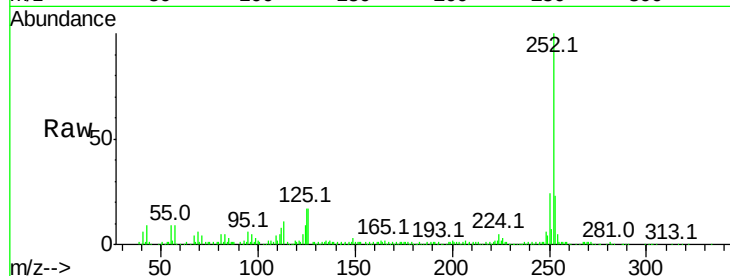
Acq: 5 Jul 2017 15:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	228737
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.1 27.1
125	16.7	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 21.74 ng

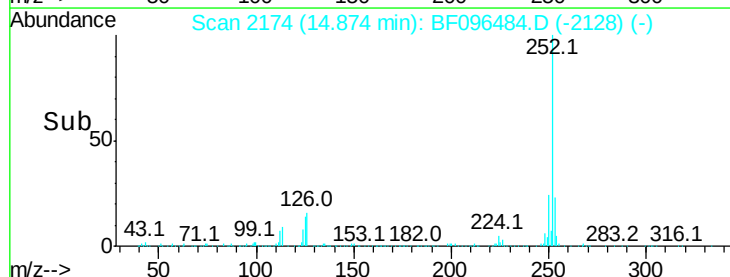
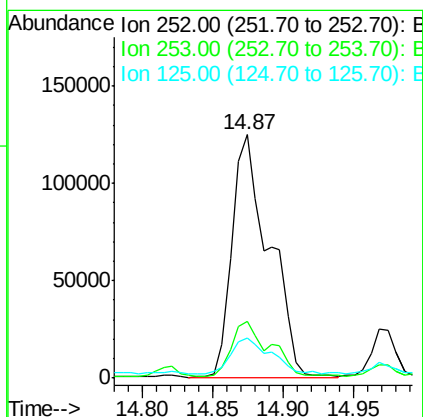
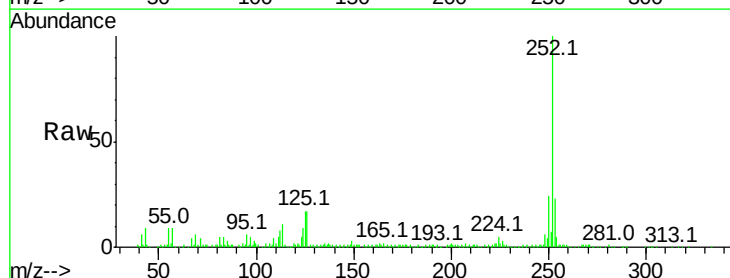
RT: 14.87 min Scan# 2174

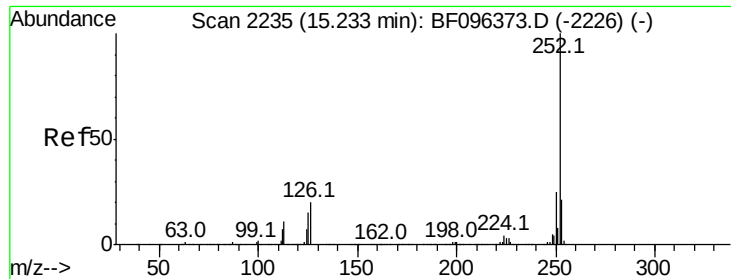
Delta R.T. -0.03 min

Lab File: BF096484.D

Acq: 5 Jul 2017 15:20

Tgt Ion:252	Resp:	228737
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.4 27.6
125	16.7	13.1 19.7

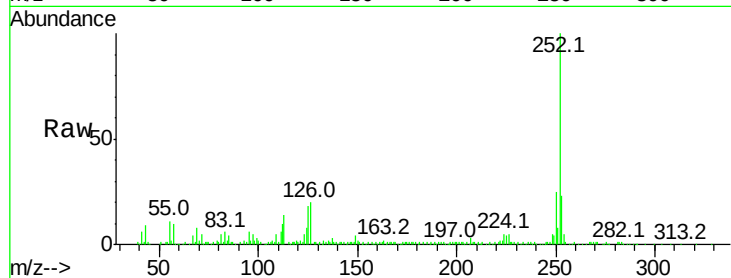




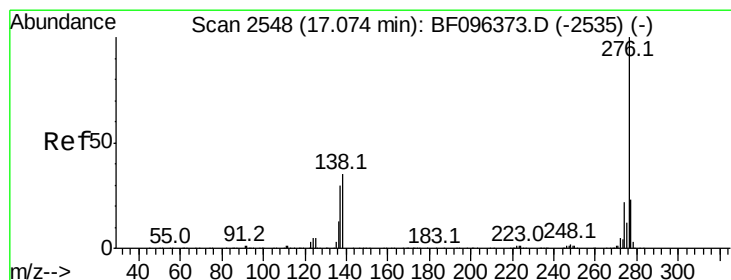
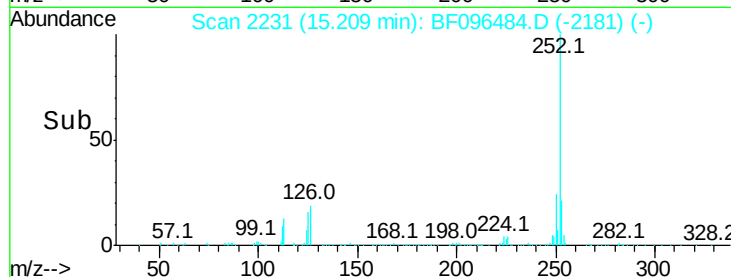
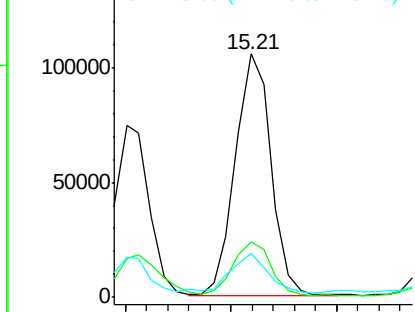
#89
Benzo(a)pyrene
Concen: 11.82 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 124081
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 18.2 11.0 16.4#

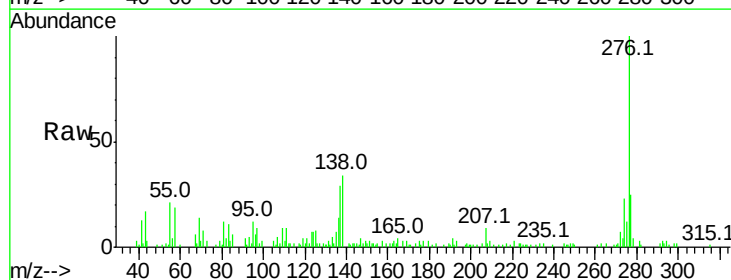


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.71 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF096484.D
Acq: 5 Jul 2017 15:20

Tgt Ion:276 Resp: 57469
Ion Ratio Lower Upper
276 100
277 25.3 18.6 28.0
138 34.1 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

