

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096513.D
 Acq On : 6 Jul 2017 5:38
 Operator : SJ/MA
 Sample : I3975-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B7-8-10

Quant Time: Jul 06 06:34:12 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

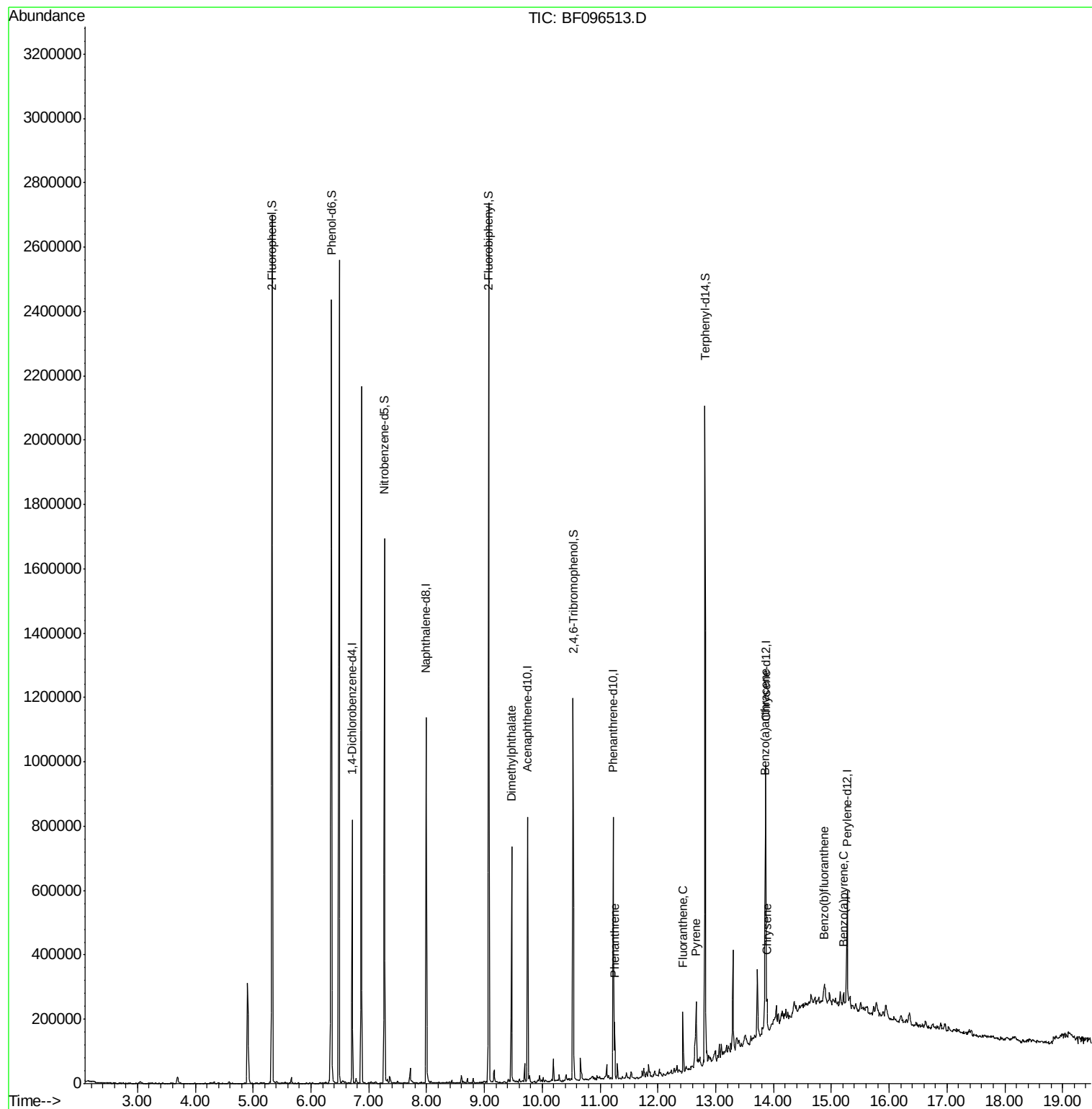
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	119553	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	475533	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	163721	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	261022	20.00	ng	0.00
75) Chrysene-d12	13.86	240	243610	20.00	ng	0.00
86) Perylene-d12	15.27	264	154197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	764309	94.36	ng	0.00
7) Phenol-d6	6.35	99	886576	89.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	488385	61.71	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	124692	97.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	822266	85.87	ng	0.00
78) Terphenyl-d14	12.82	244	615509	53.99	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	300869	24.62	ng	98
70) Phenanthrene	11.25	178	57204	4.05	ng	98
74) Fluoranthene	12.43	202	75038	5.42	ng	97
77) Pyrene	12.66	202	75890	3.88	ng	98
80) Benzo(a)anthracene	13.85	228	35505m	2.52	ng	
82) Chrysene	13.89	228	30386m	2.06	ng	
87) Benzo(b)fluoranthene	14.87	252	24926m	2.58	ng	
89) Benzo(a)pyrene	15.21	252	17711	2.05	ng	# 80

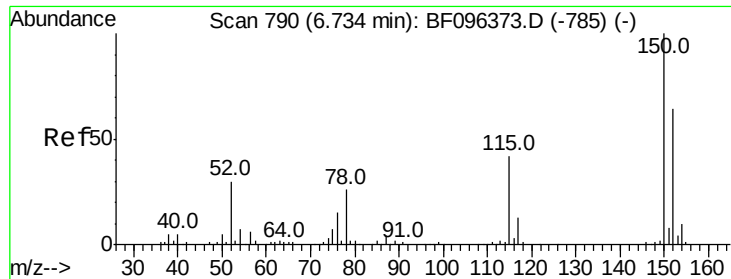
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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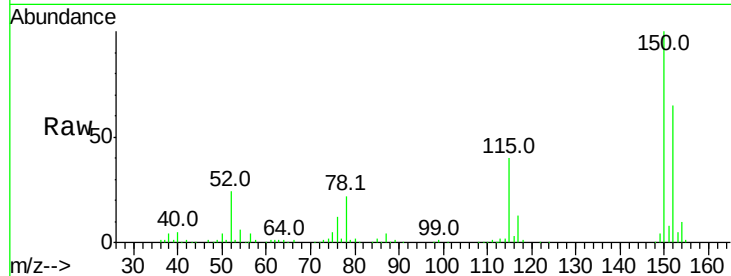


#1

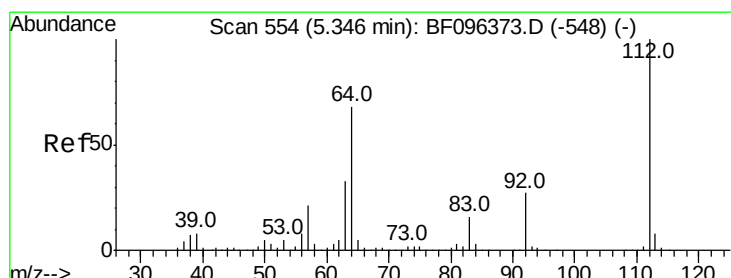
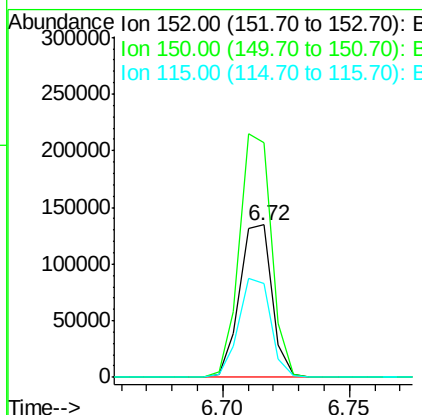
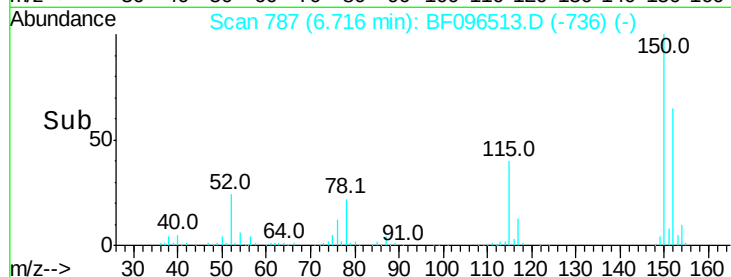
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Instrument :
BNA_F
ClientSampleId :
B7-8-10

Tot Ion:152 Resp: 119553
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 62.0 52.2 78.2



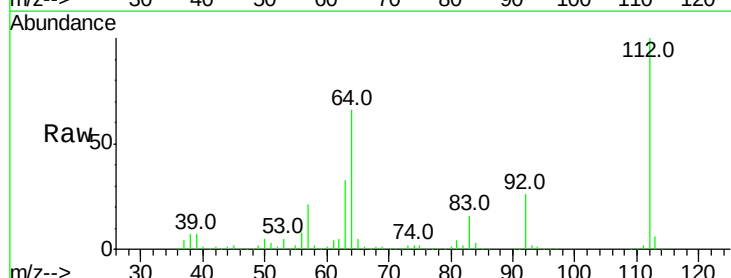
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



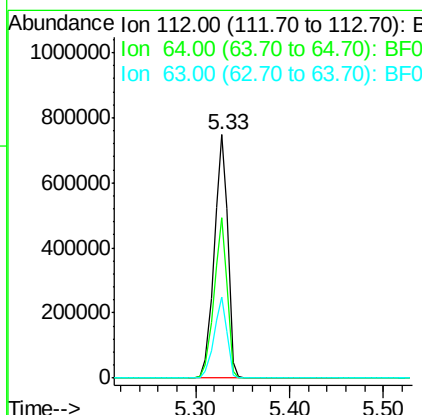
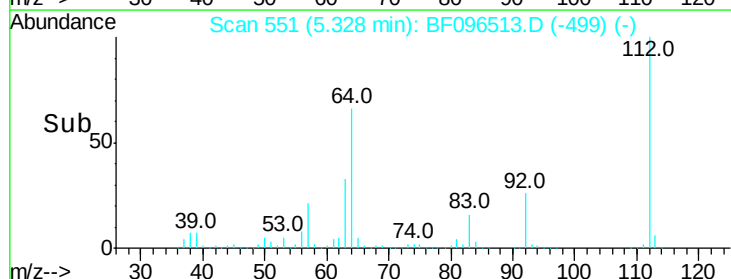
#5

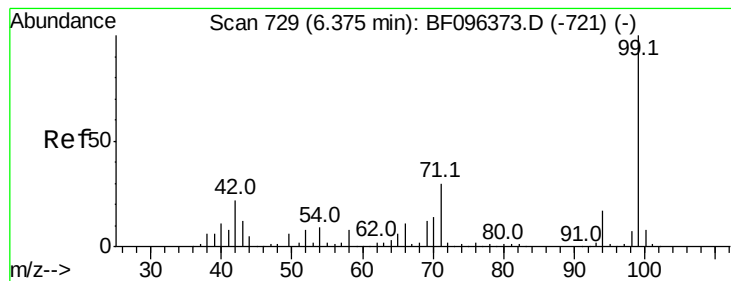
2-Fluorophenol
Concen: 94.36 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:112 Resp: 764309
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: 89.03 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

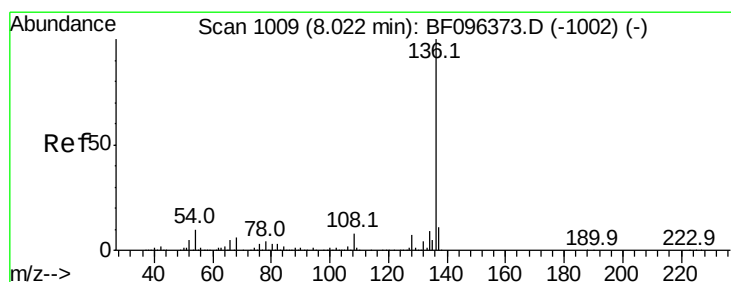
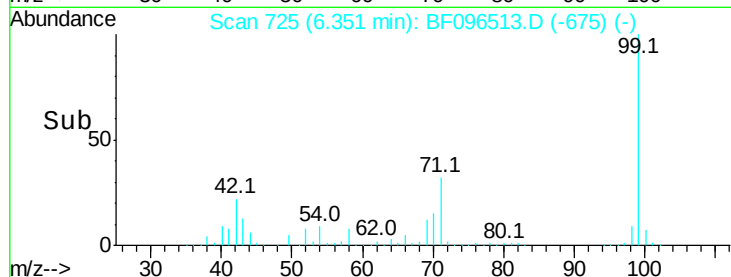
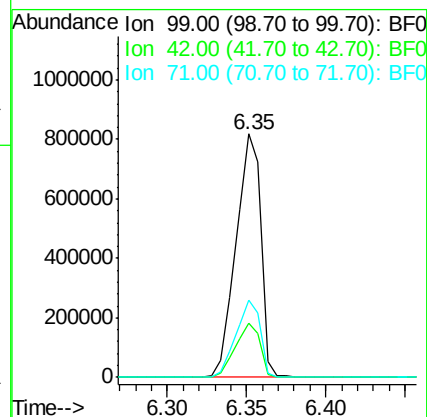
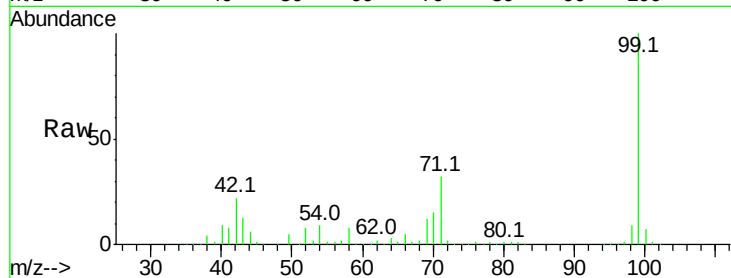
BNA_F

ClientSampleId :

B7-8-10

Tot Ion: 99 Resp: 886576

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	32.0	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

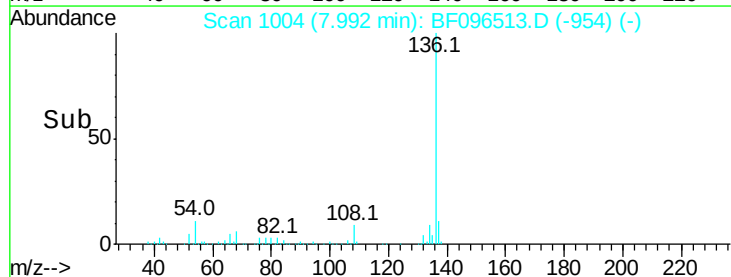
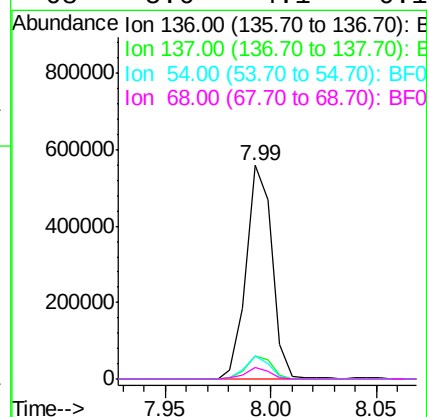
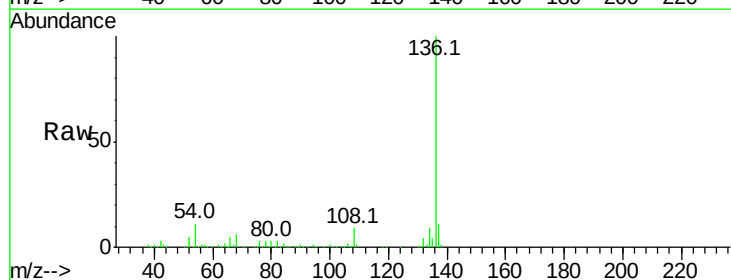
Delta R.T. -0.01 min

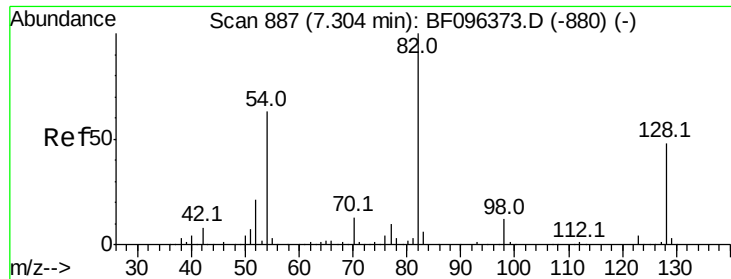
Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Tgt Ion: 136 Resp: 475533

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.8	4.9	7.3#
68	5.6	4.1	6.1

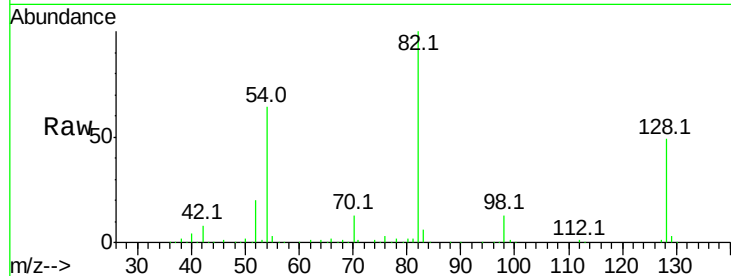




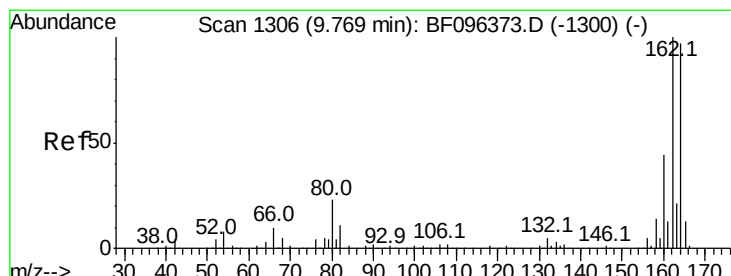
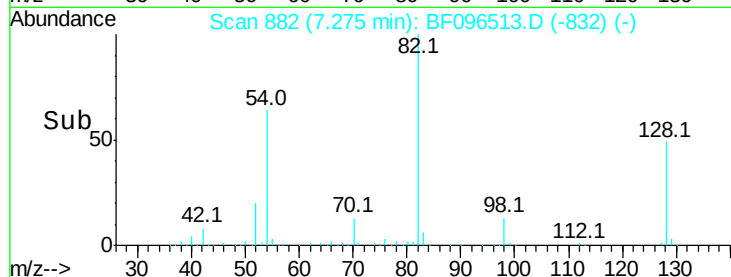
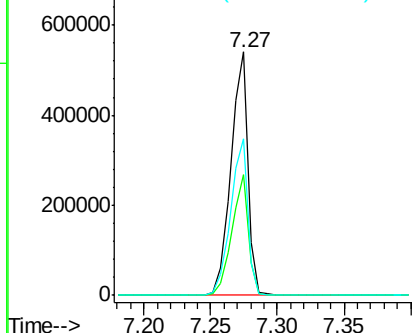
#23
 Nitrobenzene-d5
 Concen: 61.71 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Instrument :
 BNA_F
 ClientSampleId :
 B7-8-10

Tot Ion: 82 Resp: 488385
 Ion Ratio Lower Upper
 82 100
 128 49.5 34.0 51.0
 54 64.1 42.2 63.2#

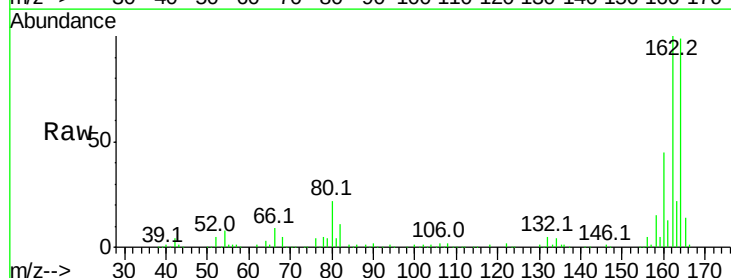


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

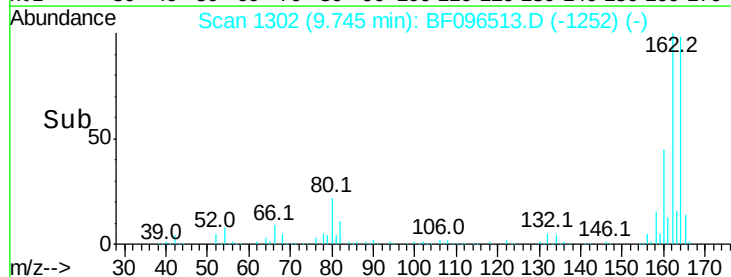
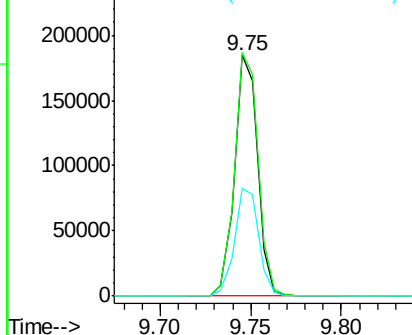


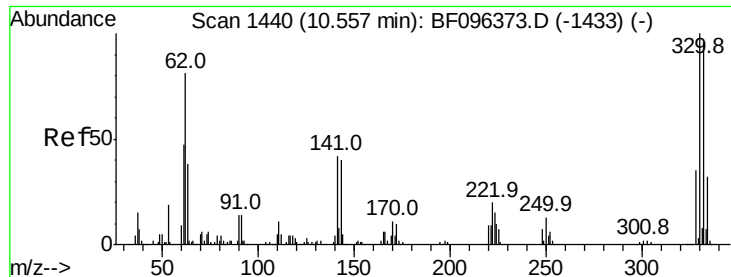
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Tgt Ion:164 Resp: 163721
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.6 123.8
 160 45.1 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: 97.50 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

B7-8-10

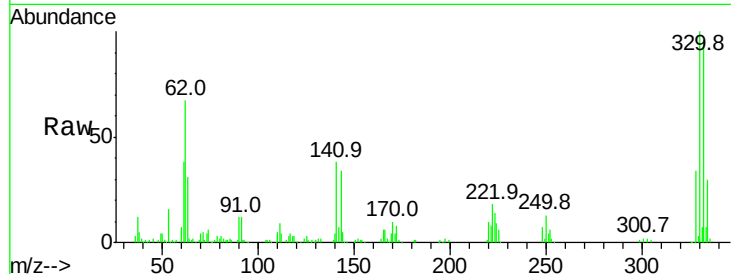
Tot Ion:330 Resp: 124692

Ion Ratio Lower Upper

330 100

332 93.5 76.6 115.0

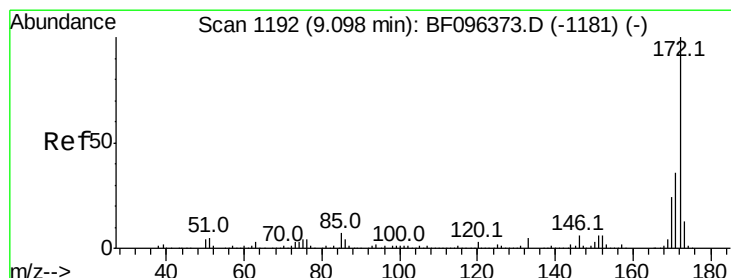
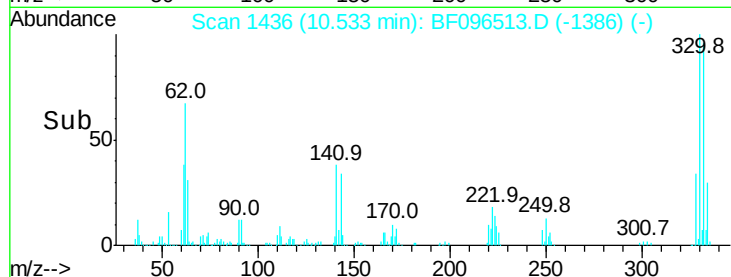
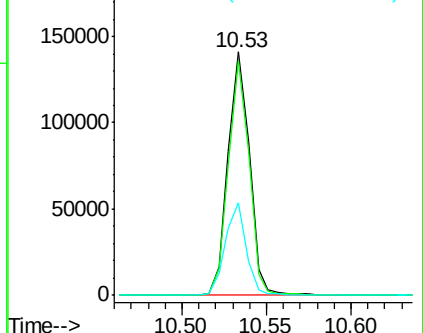
141 37.4 31.4 47.2



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: 85.87 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

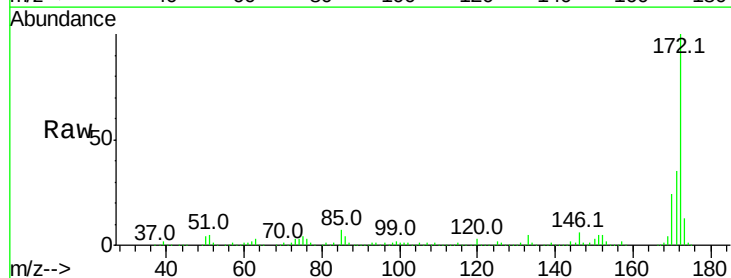
Tgt Ion:172 Resp: 822266

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

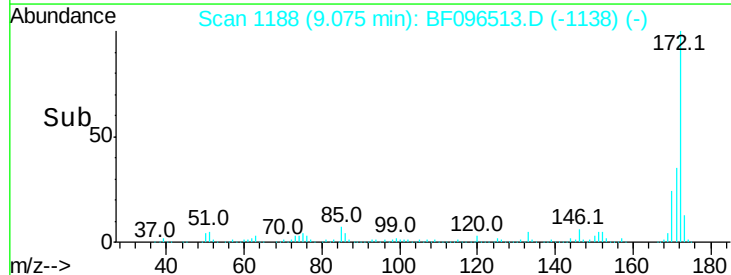
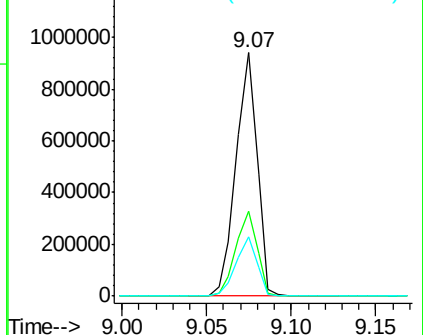
170 24.2 19.8 29.8

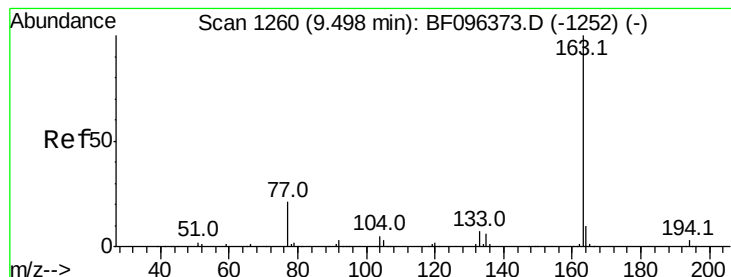


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 24.62 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

B7-8-10

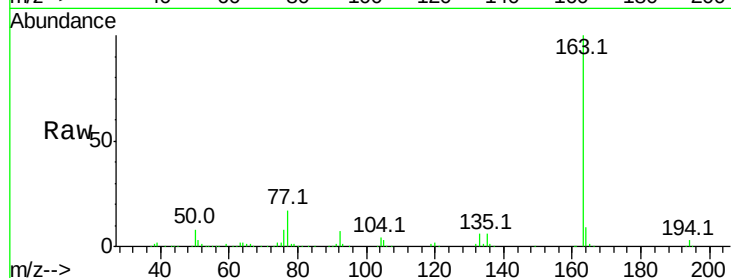
Tot Ion:163 Resp: 300869

Ion Ratio Lower Upper

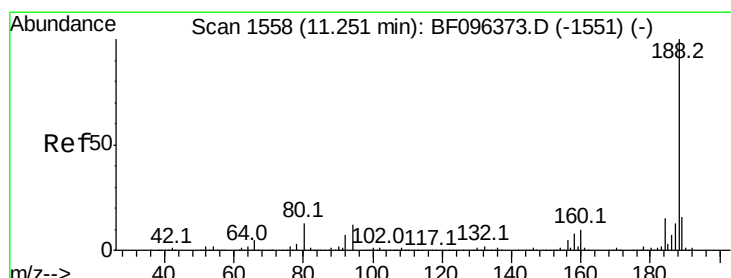
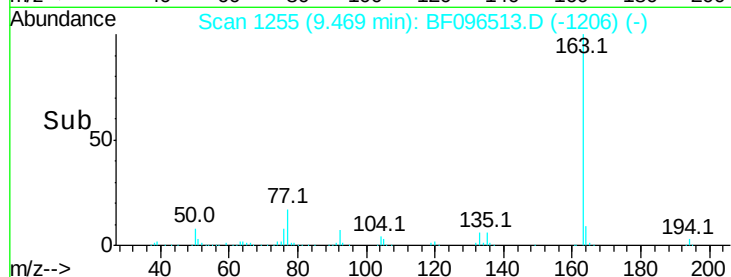
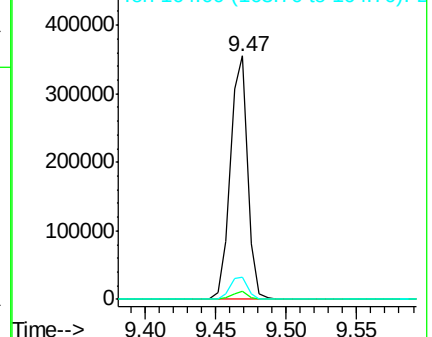
163 100

194 3.3 2.6 4.0

164 9.3 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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

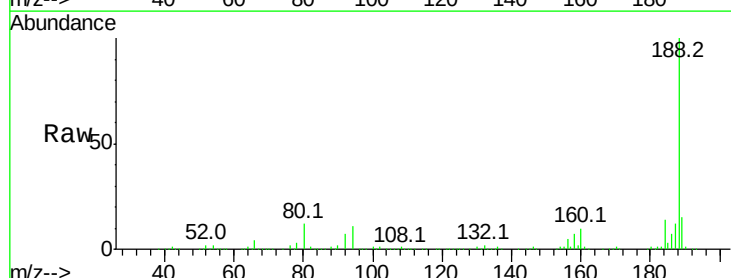
Tgt Ion:188 Resp: 261022

Ion Ratio Lower Upper

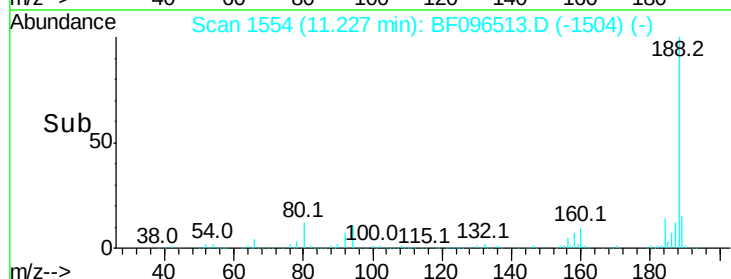
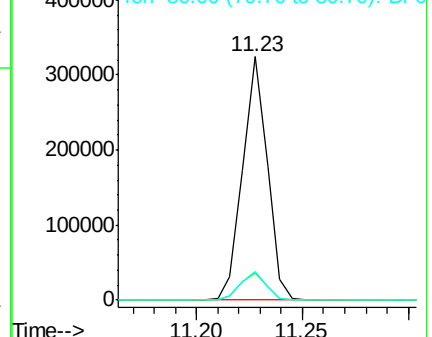
188 100

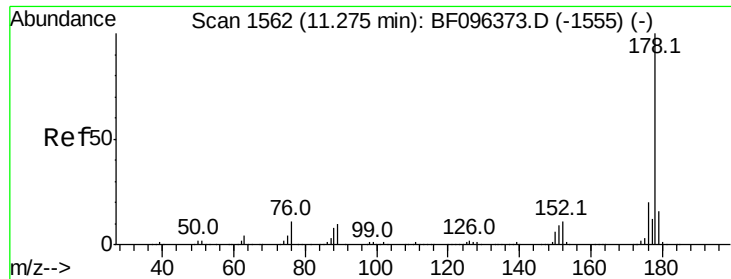
94 11.4 9.4 14.2

80 11.8 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





#70

Phenanthrene

Concen: 4.05 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

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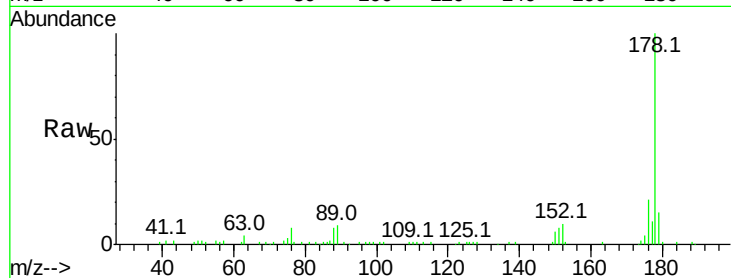
Tot Ion:178 Resp: 57204

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

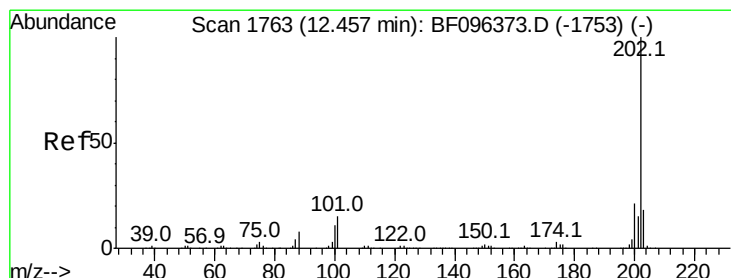
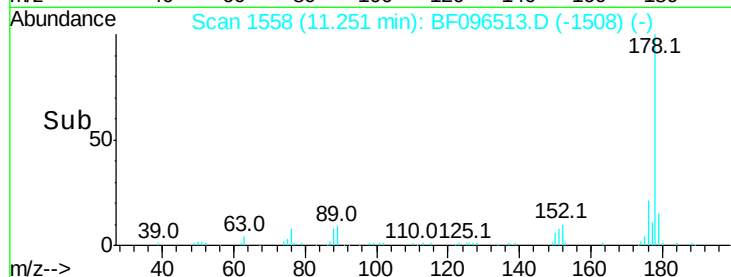
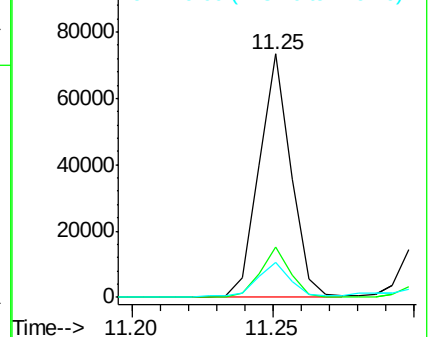
179 14.5 12.6 19.0



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: 5.42 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

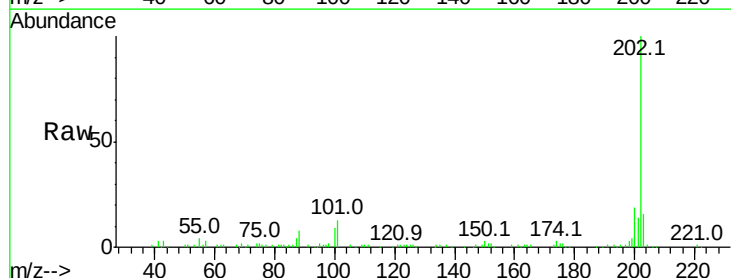
Tgt Ion:202 Resp: 75038

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

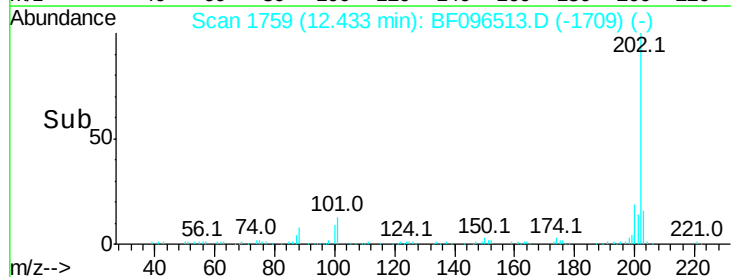
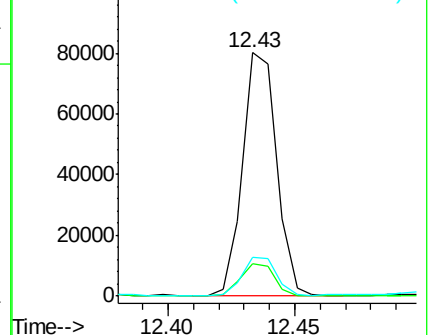
203 15.9 0.0 38.1

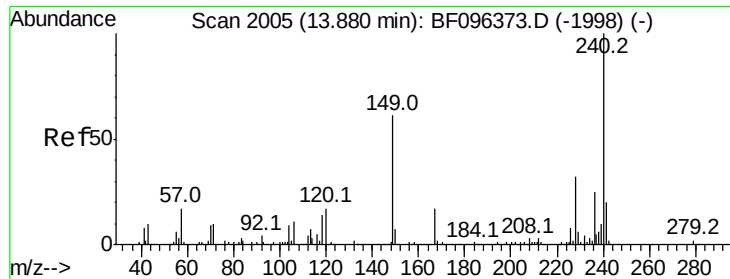


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

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B7-8-10

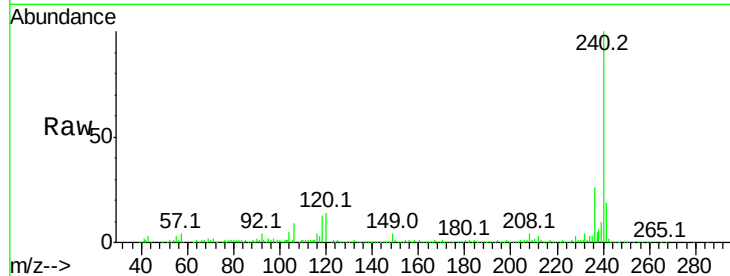
Tot Ion:240 Resp: 243610

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

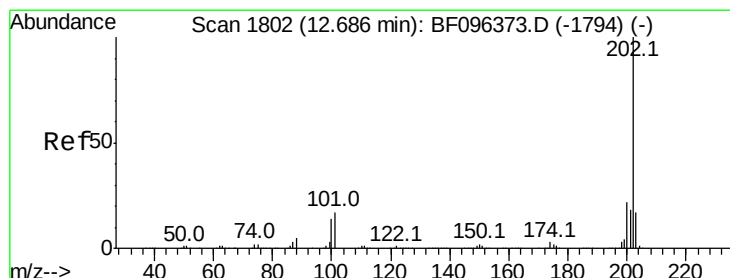
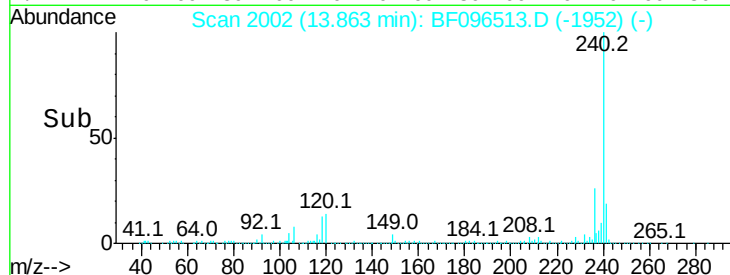
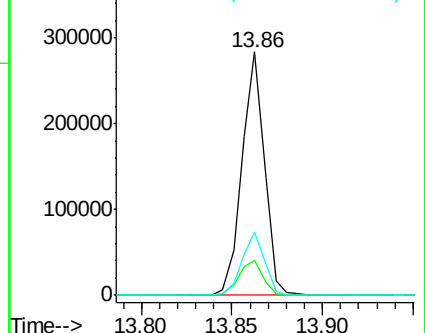
236 25.7 20.5 30.7



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: 3.88 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

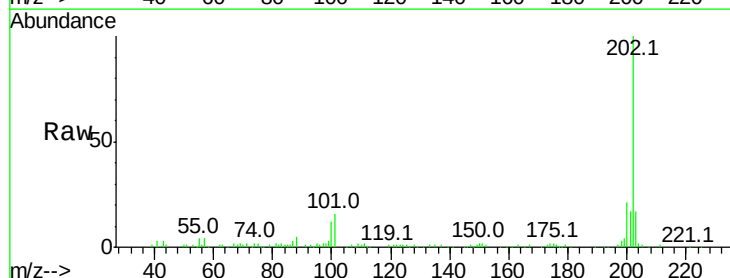
Tgt Ion:202 Resp: 75890

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

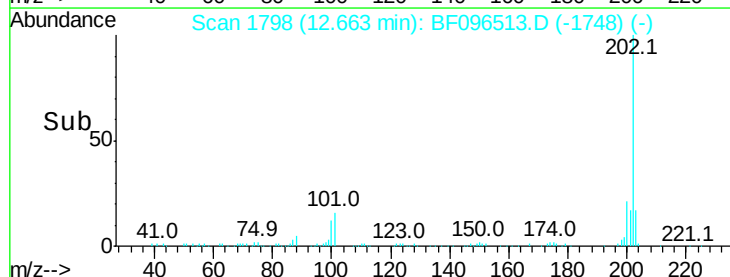
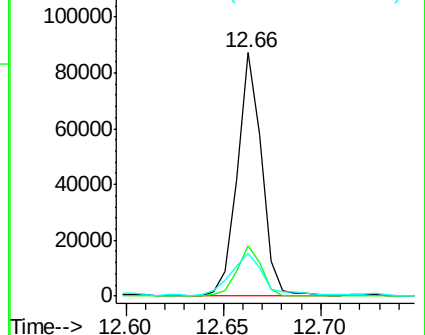
203 17.3 14.4 21.6

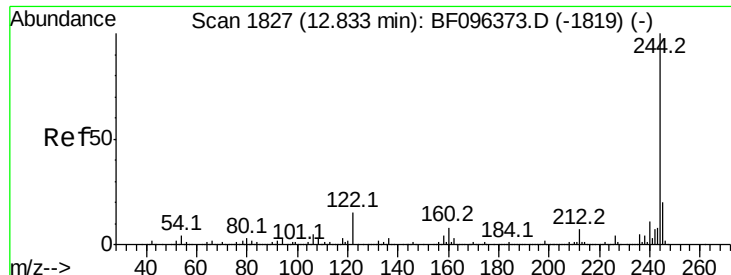


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.99 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

B7-8-10

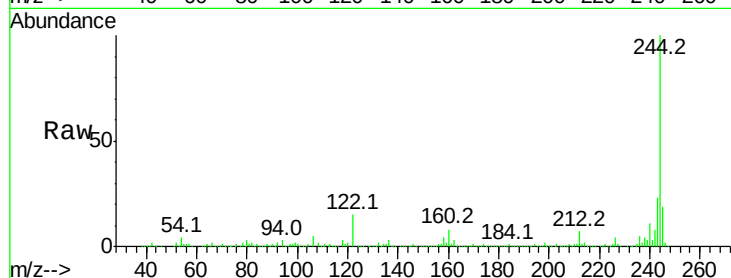
Tot Ion:244 Resp: 615509

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

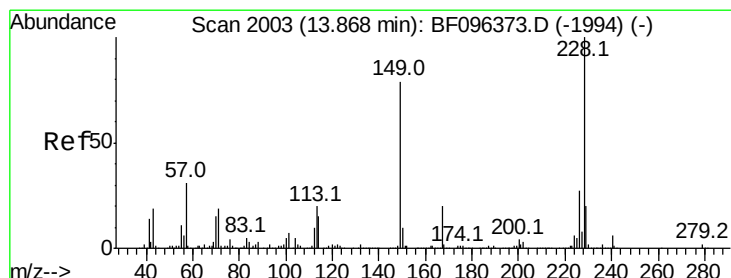
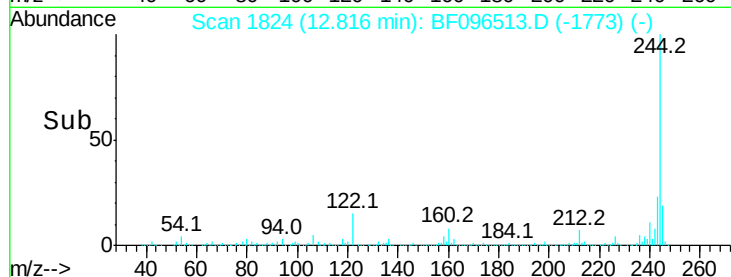
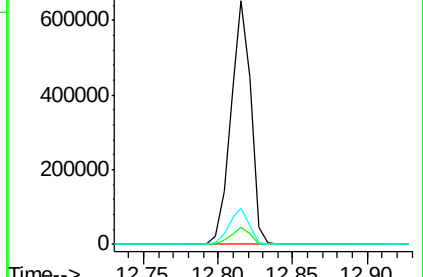
122 14.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.52 ng m

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

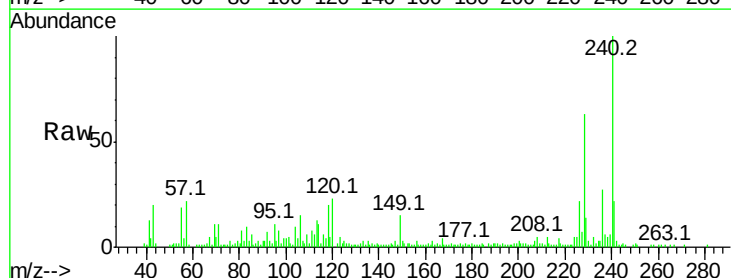
Tgt Ion:228 Resp: 35505

Ion Ratio Lower Upper

228 100

226 34.0 22.6 33.8#

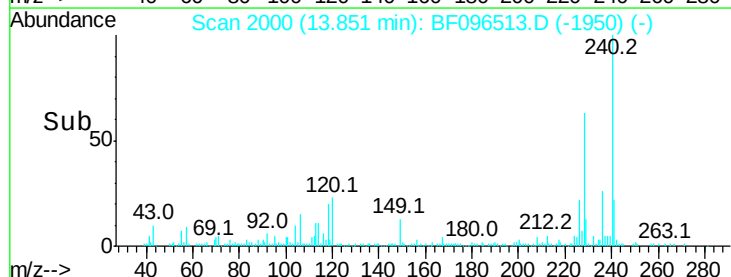
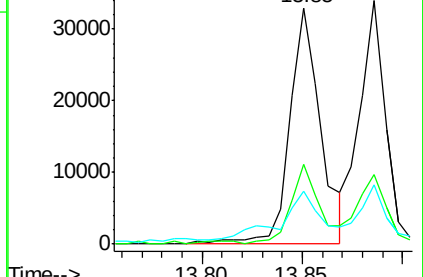
229 22.1 16.3 24.5

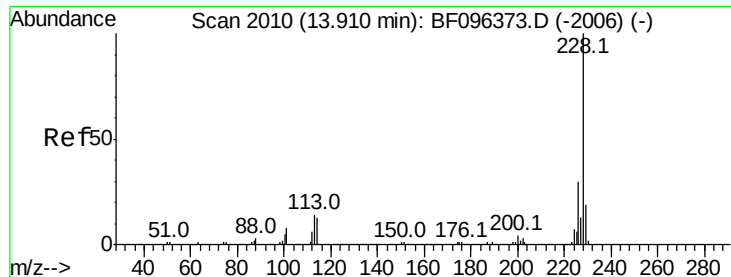


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.06 ng/mL

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleID :

B7-8-10

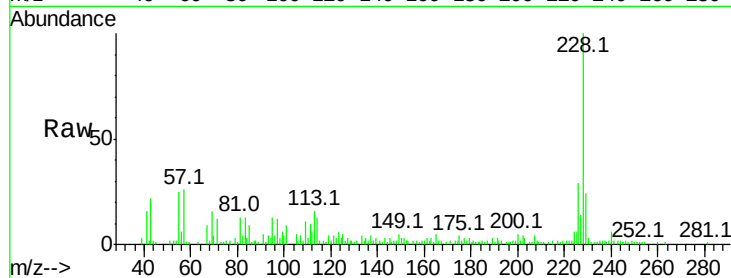
Tot Ion:228 Resp: 30386

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

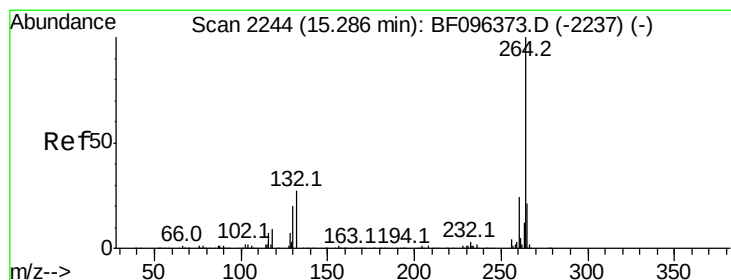
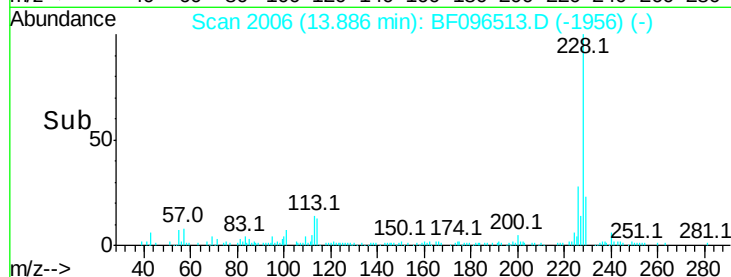
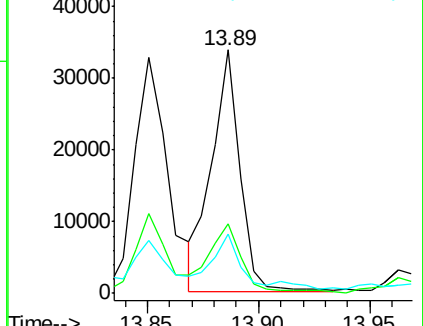
229 24.4 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

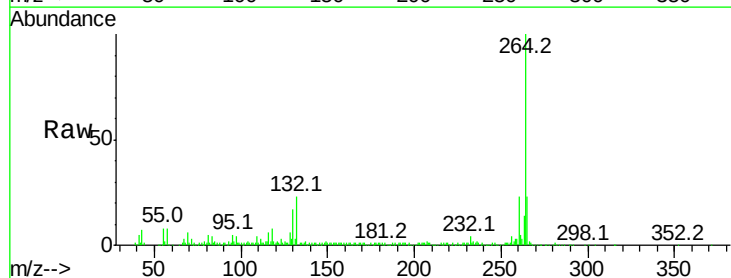
Tgt Ion:264 Resp: 154197

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

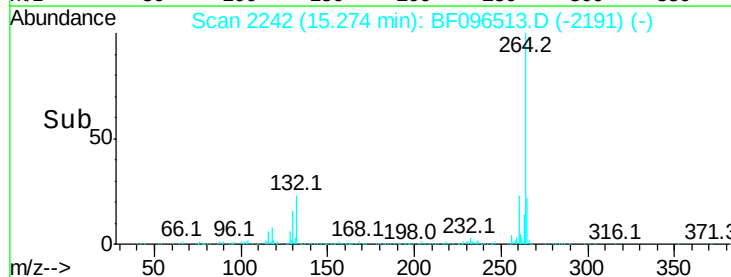
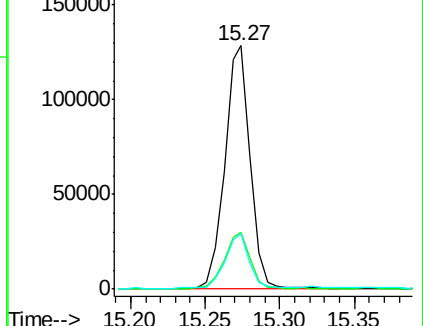
265 22.6 17.2 25.8

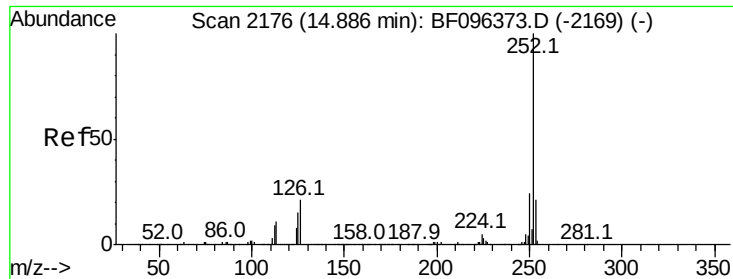


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

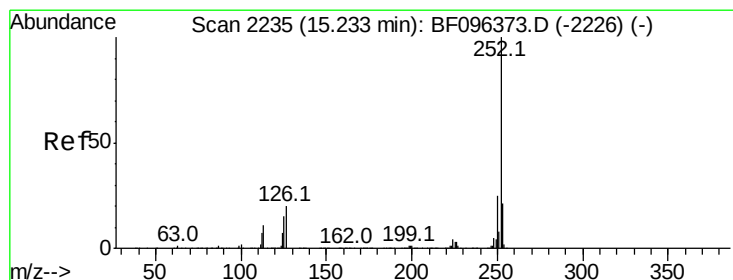
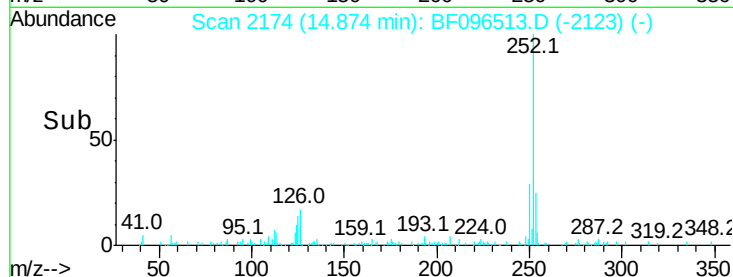
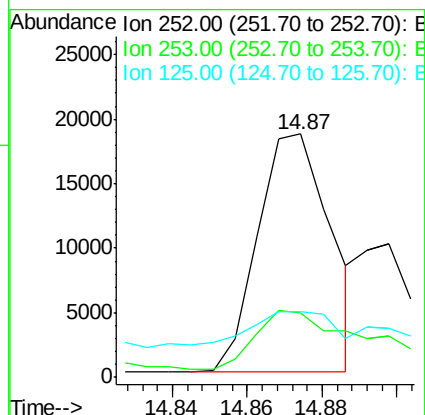
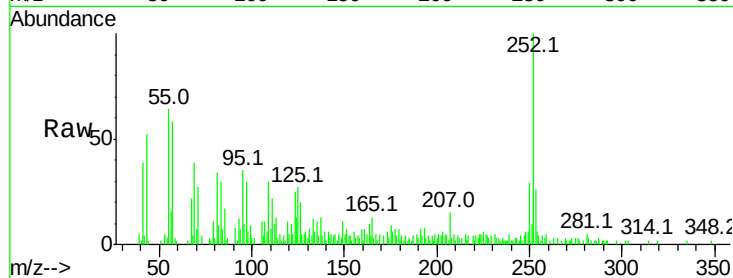




#87
Benzo(b)fluoranthene
Concen: 2.58 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Instrument :
BNA_F
ClientSampleId :
B7-8-10

Tot Ion:252 Resp: 24926
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 26.8 9.8 14.8#



#89
Benzo(a)pyrene
Concen: 2.05 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:252 Resp: 17711
Ion Ratio Lower Upper
252 100
253 27.2 17.5 26.3#
125 27.1 11.0 16.4#

