

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096622.D
 Acq On : 11 Jul 2017 1:01
 Operator : SJ/JU
 Sample : I4108-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 05:24:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

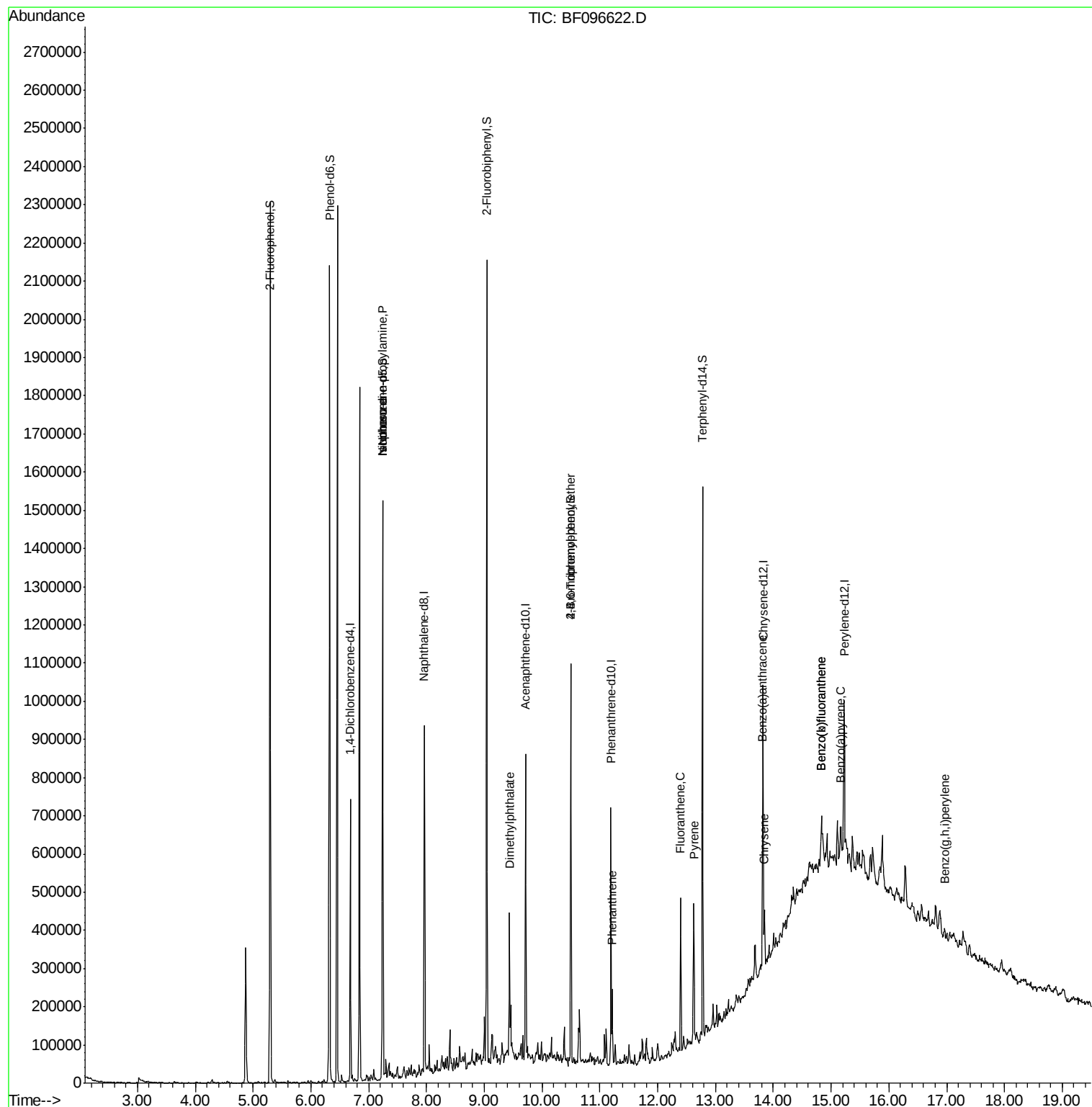
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	109791	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	413421	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	148536	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	221387	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	226391	20.00	ng	-0.02
86) Perylene-d12	15.23	264	184863	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	640393	86.09	ng	-0.01
7) Phenol-d6	6.33	99	744589	81.42	ng	-0.02
23) Nitrobenzene-d5	7.25	82	433325	62.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	107205	92.40	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	679470	78.21	ng	-0.02
78) Terphenyl-d14	12.78	244	456831	43.12	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	59765	10.97	ng	# 86
25) Isophorone	7.25	82	428648	32.13	ng	# 67
49) Dimethylphthalate	9.43	163	130042	11.73	ng	99
66) 4-Bromophenyl-phenylether	10.50	248	7319	3.40	ng	# 1
70) Phenanthrene	11.22	178	63527	5.31	ng	98
74) Fluoranthene	12.40	202	146995	12.53	ng	98
77) Pyrene	12.63	202	141624	7.79	ng	98
80) Benzo(a)anthracene	13.81	228	63707	4.86	ng	97
82) Chrysene	13.84	228	60447	4.40	ng	97
87) Benzo(b)fluoranthene	14.83	252	85465	7.38	ng	# 79
88) Benzo(k)fluoranthene	14.83	252	85465	8.25	ng	# 84
89) Benzo(a)pyrene	15.17	252	42234	4.08	ng	# 84
91) Benzo(a,h,i)perylene	16.97	276	19894	2.36	ng	# 88

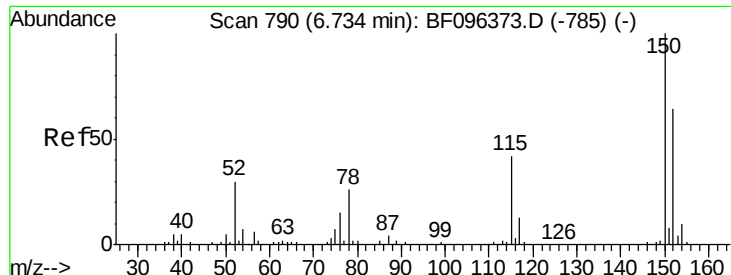
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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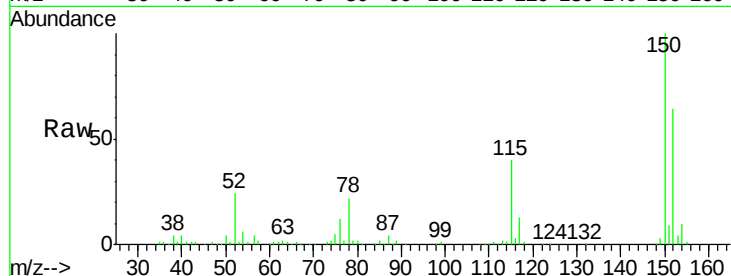


#1

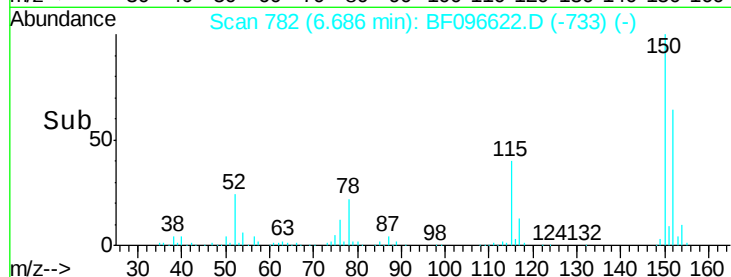
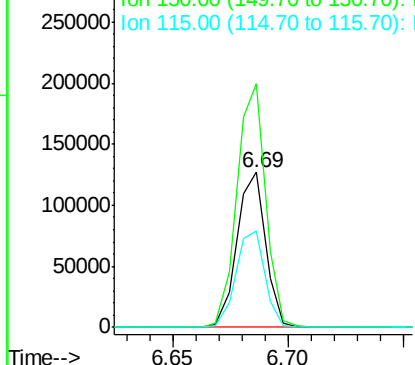
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	62.6	52.2	78.2



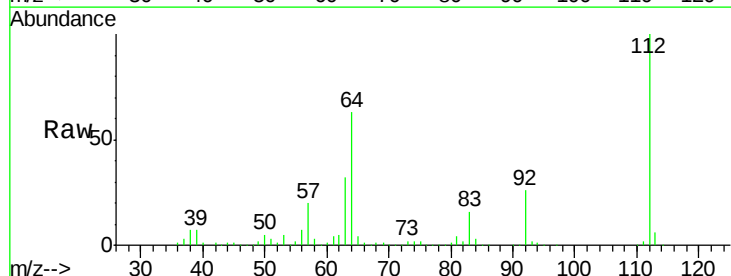
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



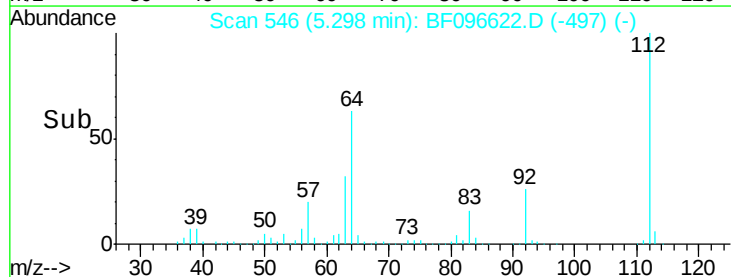
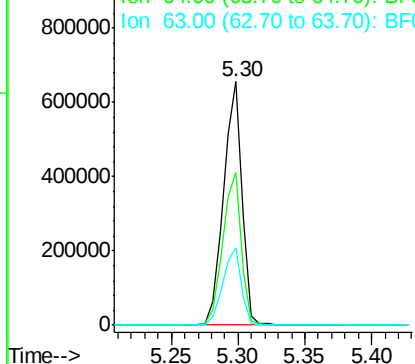
#5

2-Fluorophenol
Concen: 86.09 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	46.0	69.0
63	31.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.42 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Instrument :

BNA_F

ClientSampleId :

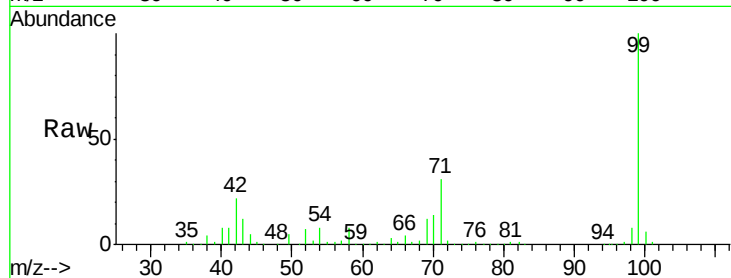
Tot Ion: 99 Resp: 744589

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

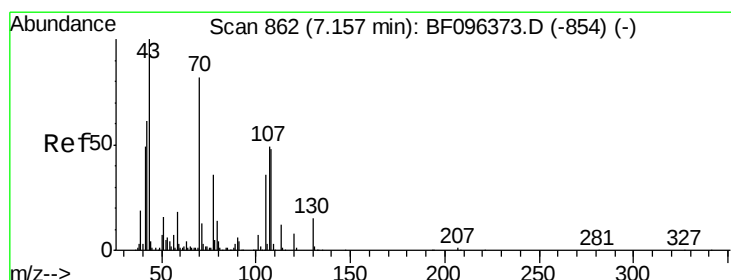
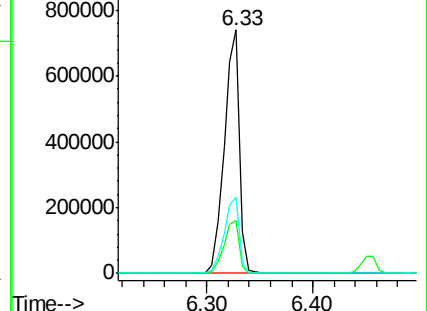
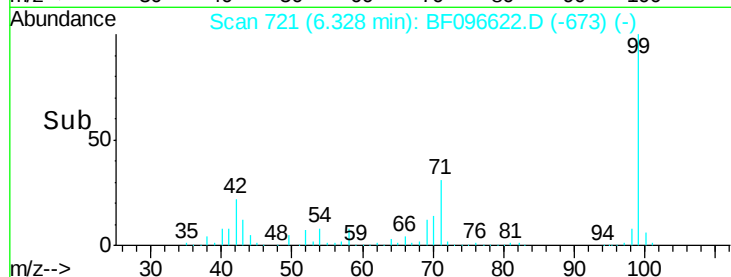
71 31.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.97 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Tgt Ion: 70 Resp: 59765

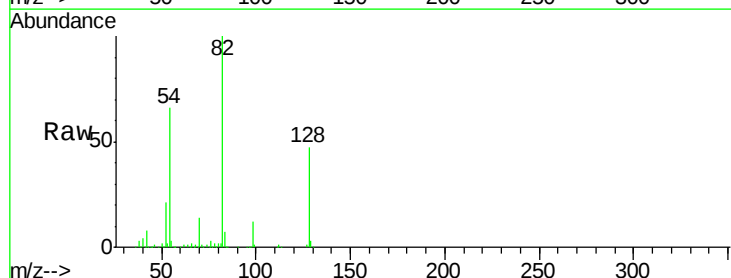
Ion Ratio Lower Upper

70 100

42 55.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

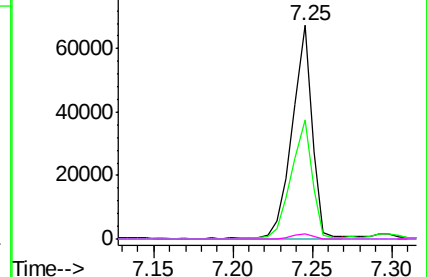
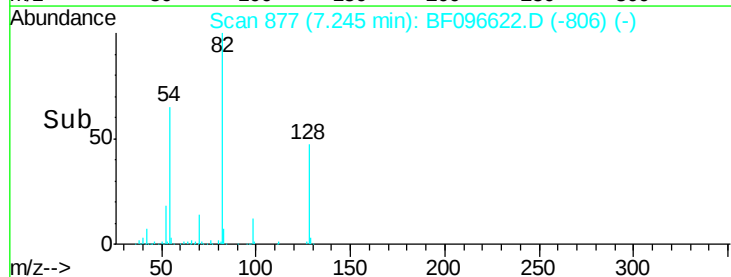


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

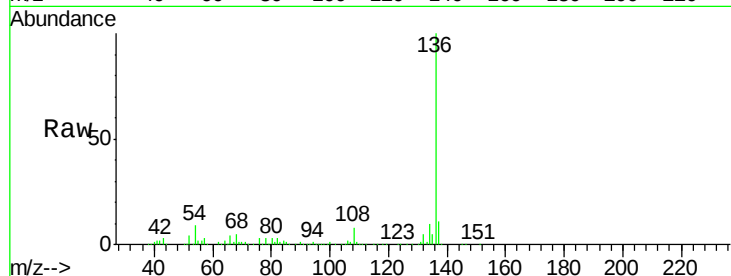




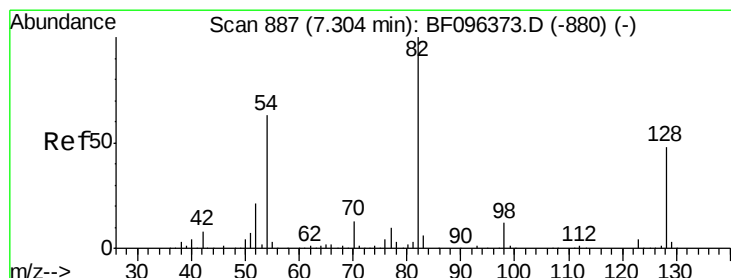
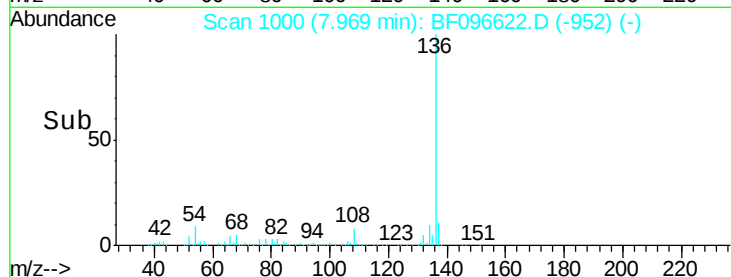
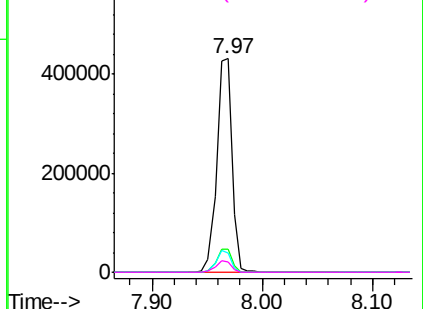
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	413421
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	9.2	4.9 7.3#
68	4.6	4.1 6.1

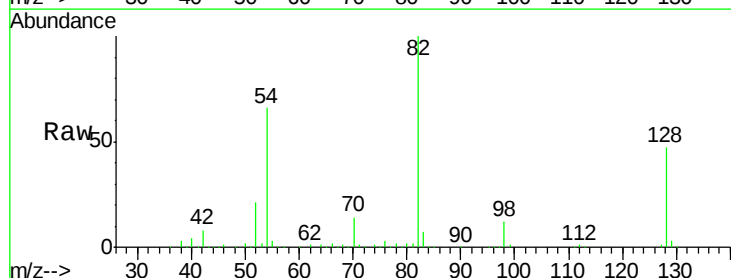


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

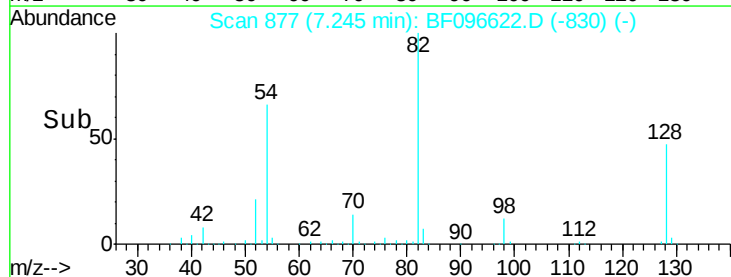
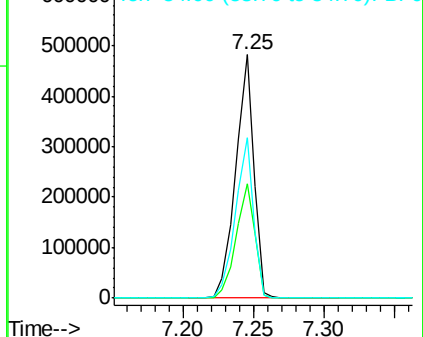


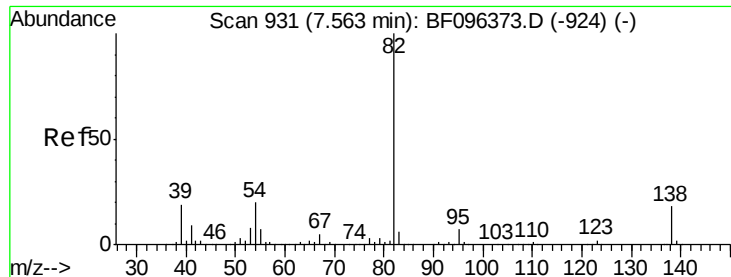
#23
Nitrobenzene-d5
Concen: 62.98 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion: 82	Resp:	433325
Ion Ratio	Lower	Upper
82	100	
128	46.9	34.0 51.0
54	66.1	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

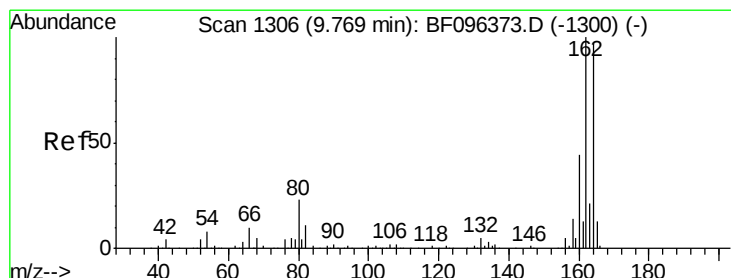
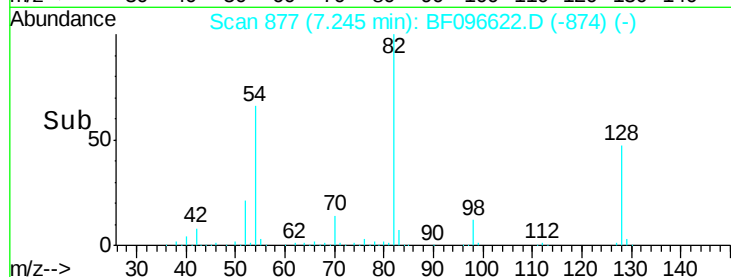
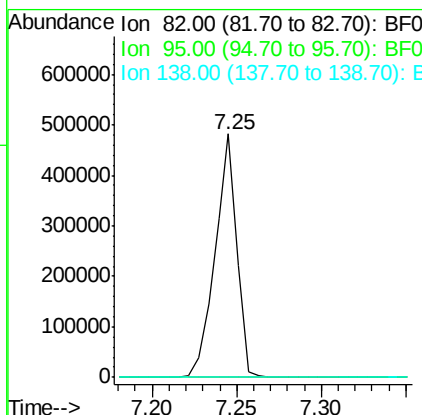
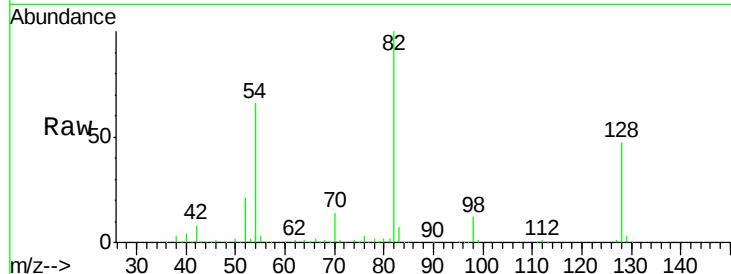




#25
Isophorone
Concen: 32.13 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.28 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

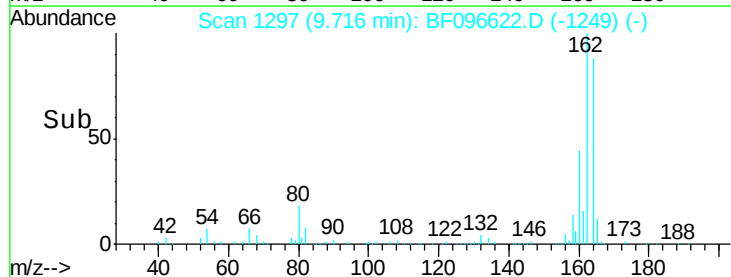
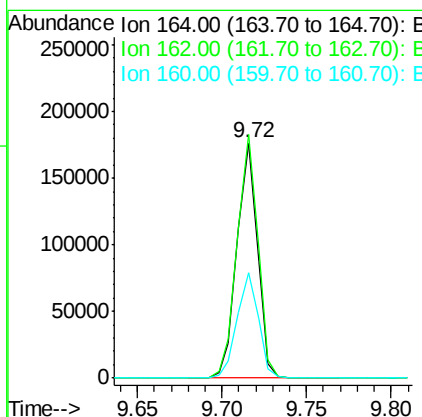
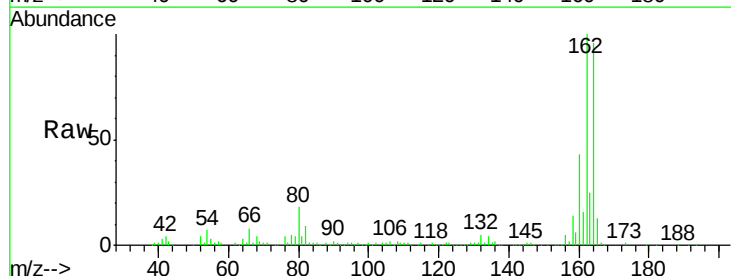
Instrument :
BNA_F
ClientSampleId :

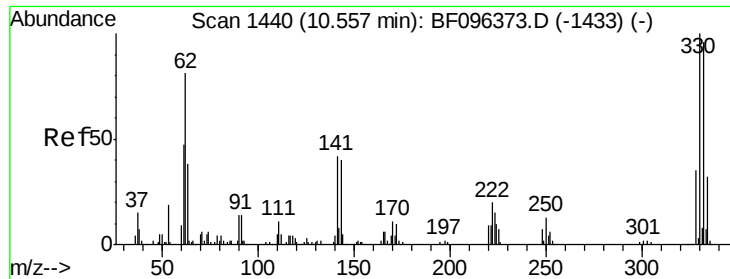
Tot Ion: 82 Resp: 428648
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion:164 Resp: 148536
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 44.7 36.2 54.2

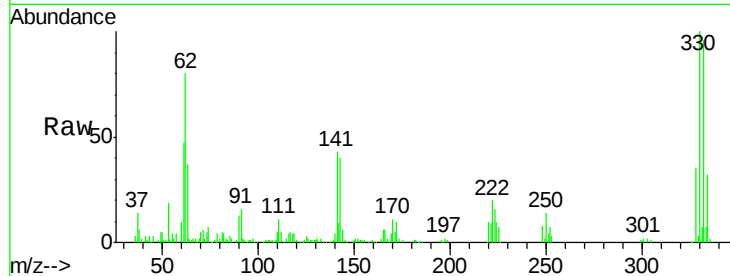




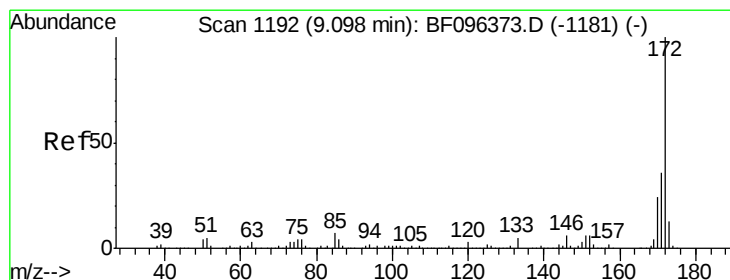
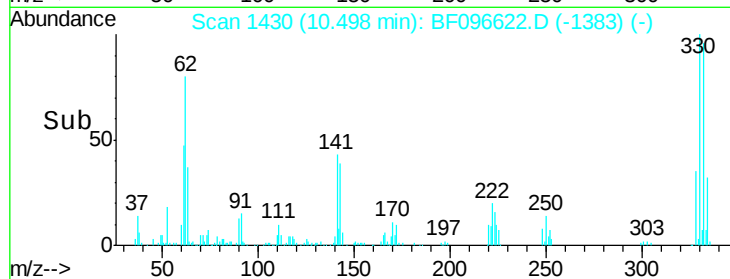
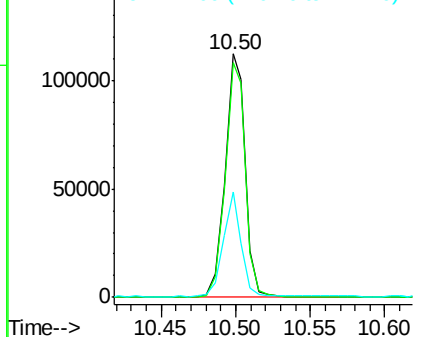
#41
 2,4,6-Tribromophenol
 Concen: 92.40 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096622.D
 Acq: 11 Jul 2017 1:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 107205
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 39.5 31.4 47.2

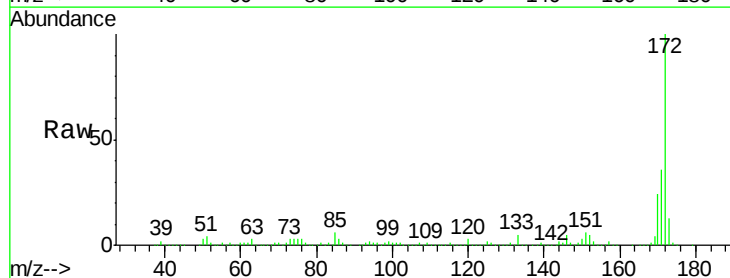


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

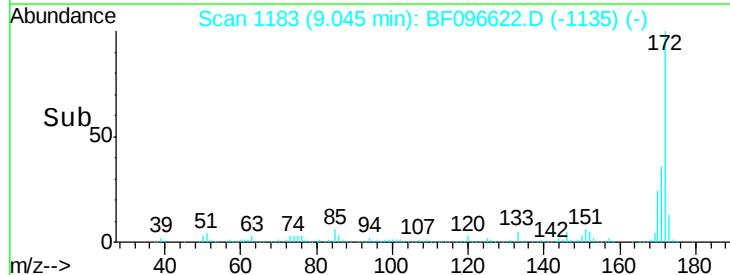
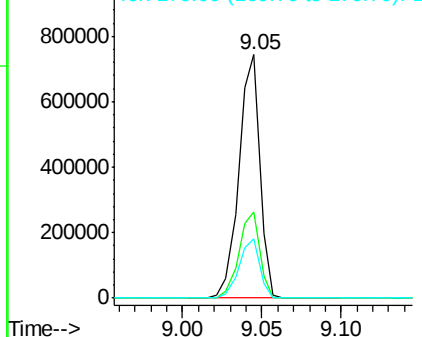


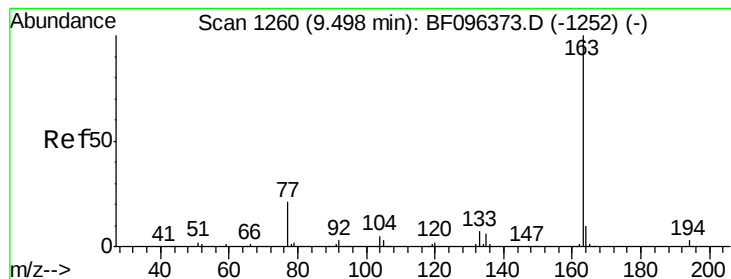
#44
 2-Fluorobiphenyl
 Concen: 78.21 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096622.D
 Acq: 11 Jul 2017 1:01

Tgt Ion:172 Resp: 679470
 Ion Ratio Lower Upper
 172 100
 171 35.6 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: 11.73 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.04 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Instrument :

BNA_F

ClientSampleId :

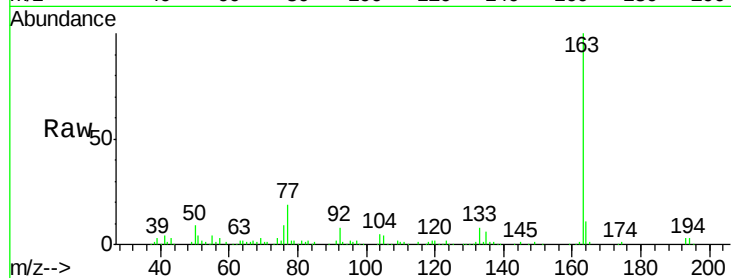
Tot Ion:163 Resp: 130042

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

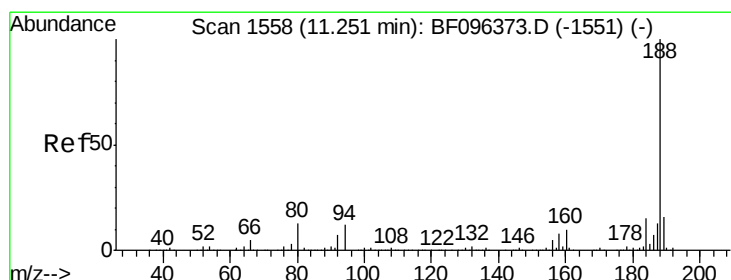
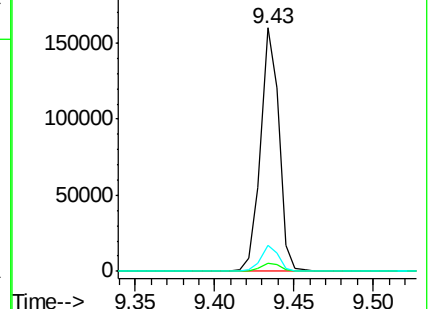
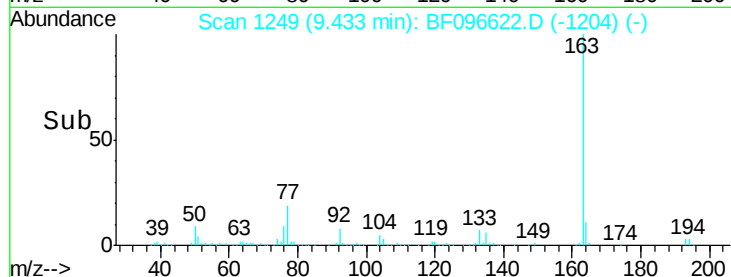
164 10.8 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

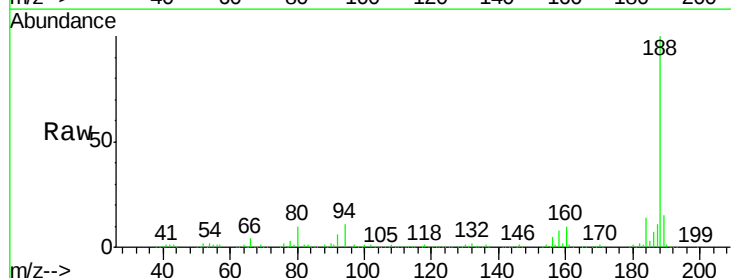
Tgt Ion:188 Resp: 221387

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

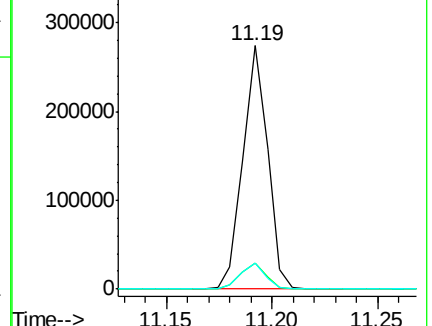
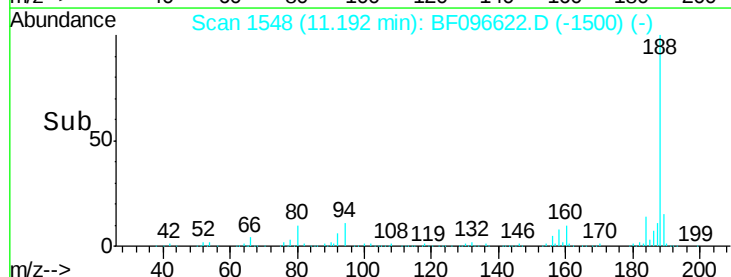
80 10.5 10.2 15.2

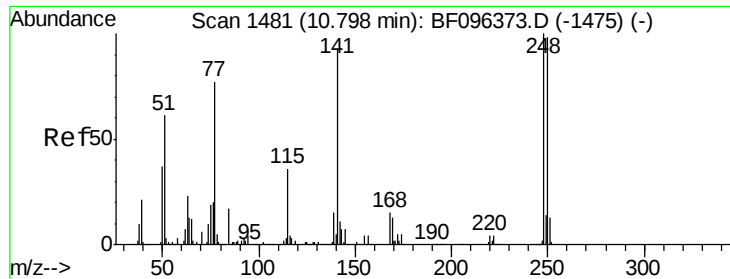


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

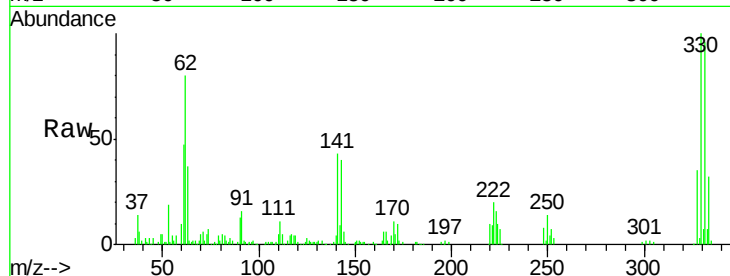




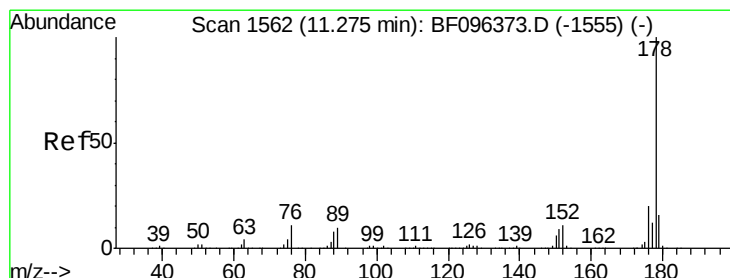
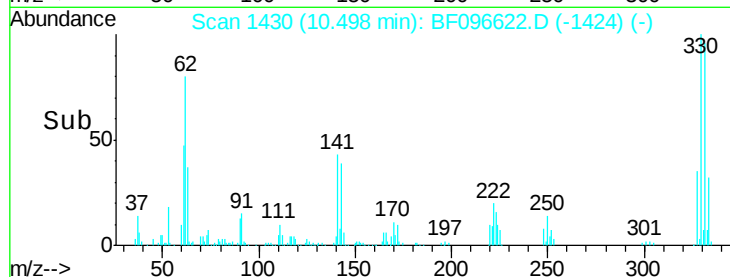
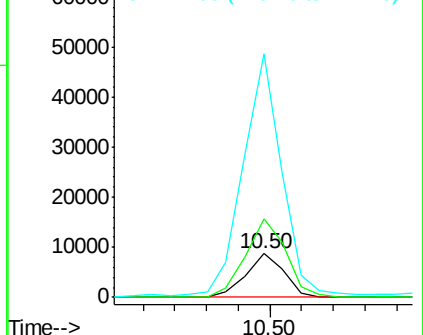
#66
4-Bromophenyl-phenylether
Concen: 3.40 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7319
Ion Ratio Lower Upper
248 100
250 179.3 76.8 115.2#
141 559.5 68.6 103.0#

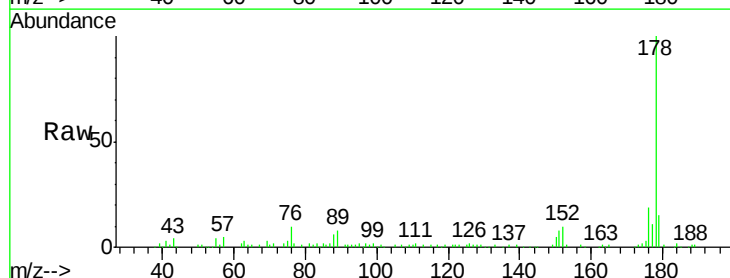


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

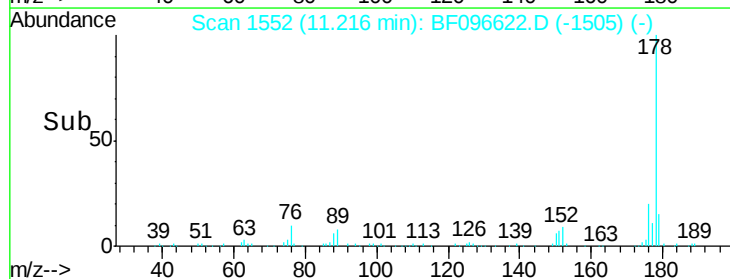
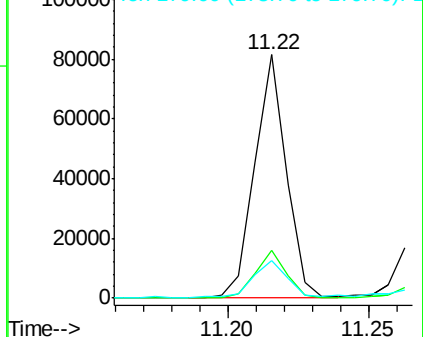


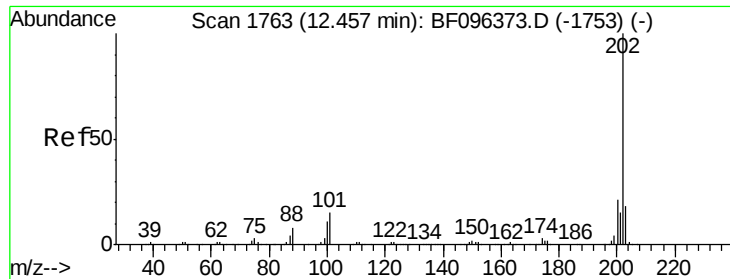
#70
Phenanthrene
Concen: 5.31 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion:178 Resp: 63527
Ion Ratio Lower Upper
178 100
176 19.5 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





#74

Fluoranthene

Concen: 12.53 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Instrument :

BNA_F

ClientSampleId :

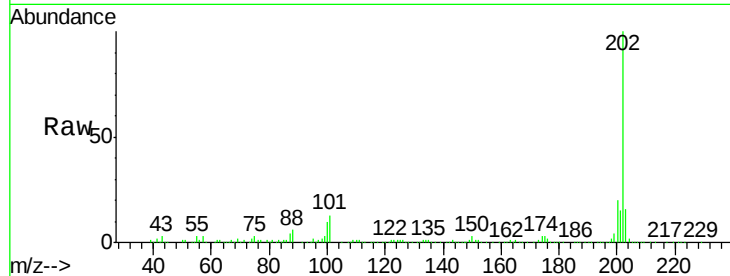
Tot Ion:202 Resp: 146995

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

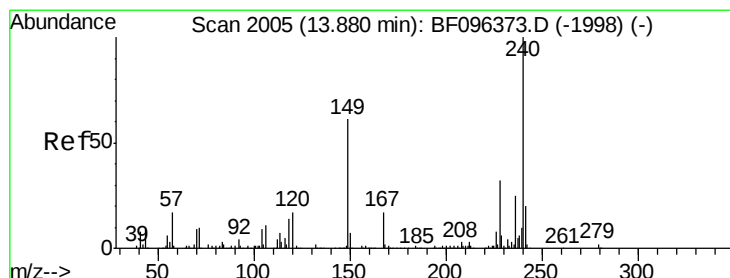
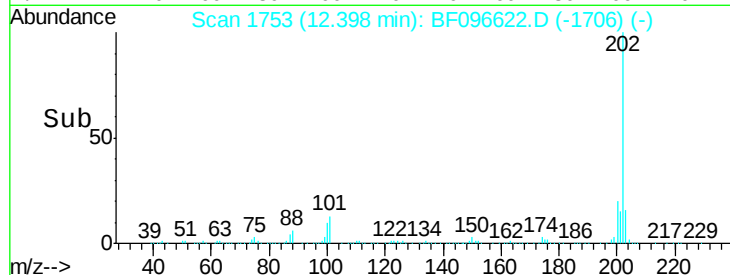
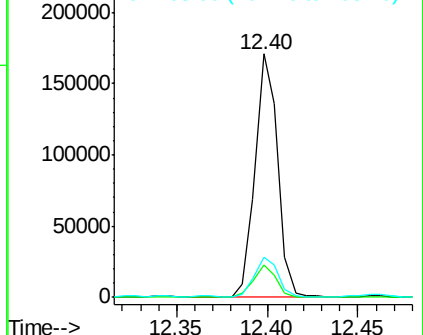
203 16.2 0.0 38.1



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: 20.00 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

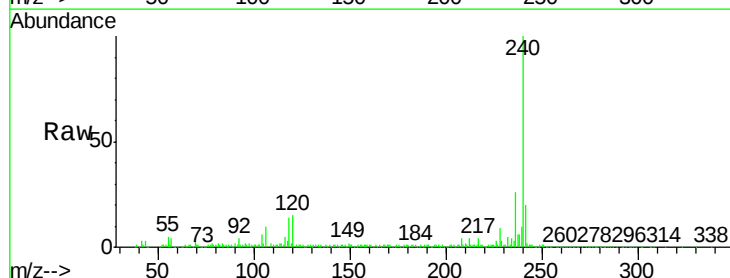
Tgt Ion:240 Resp: 226391

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

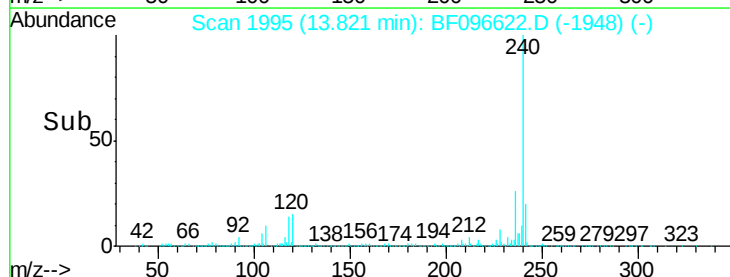
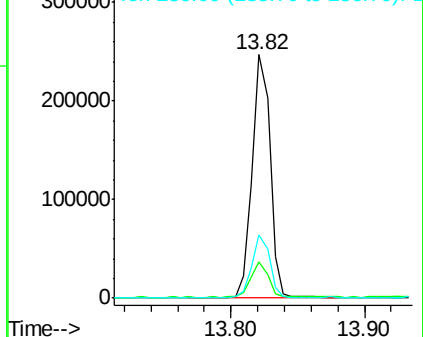
236 26.1 20.5 30.7

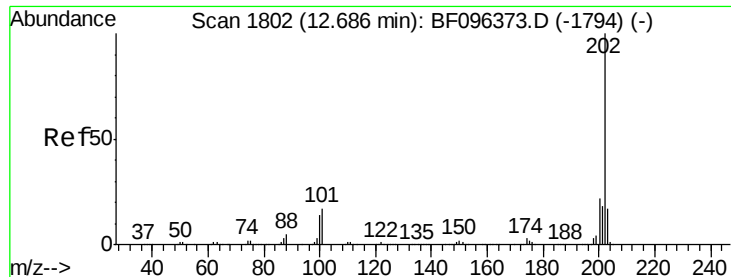


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

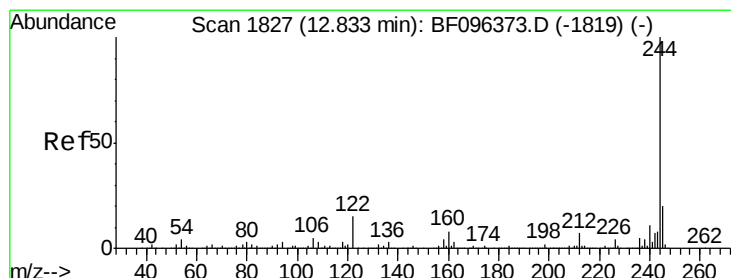
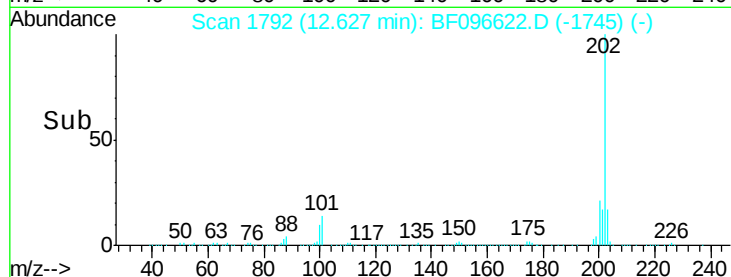
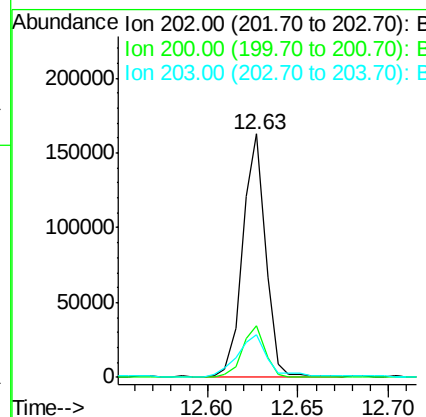
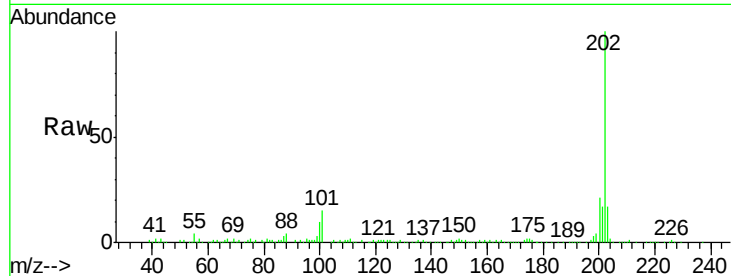




#77
Pvrene
Concen: 7.79 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

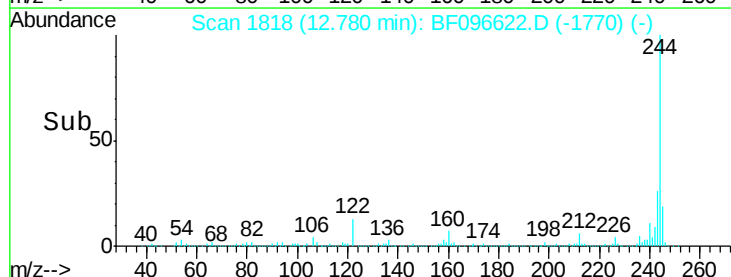
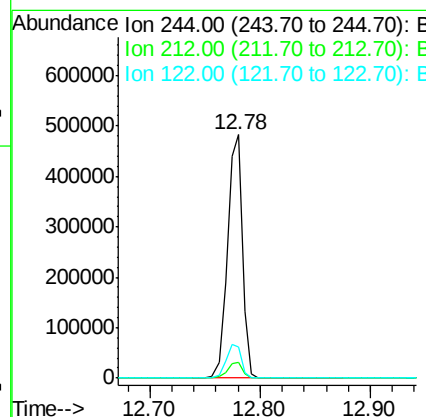
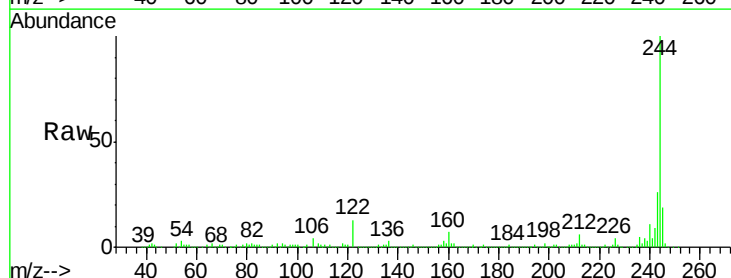
Instrument :
BNA_F
ClientSampleId :

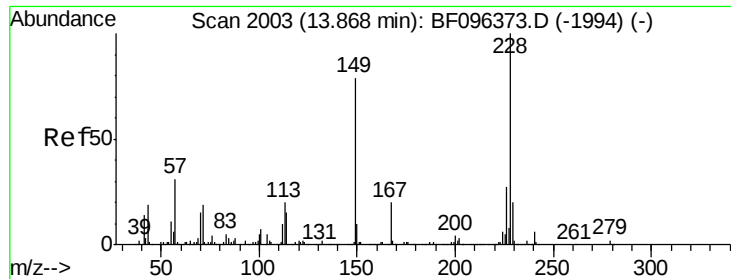
Tot Ion:202 Resp: 141624
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 43.12 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion:244 Resp: 456831
Ion Ratio Lower Upper
244 100
212 6.3 6.0 9.0
122 12.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 4.86 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Instrument :

BNA_F

ClientSampleId :

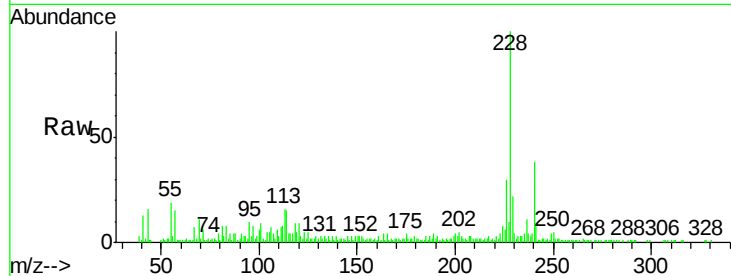
Tot Ion:228 Resp: 63707

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

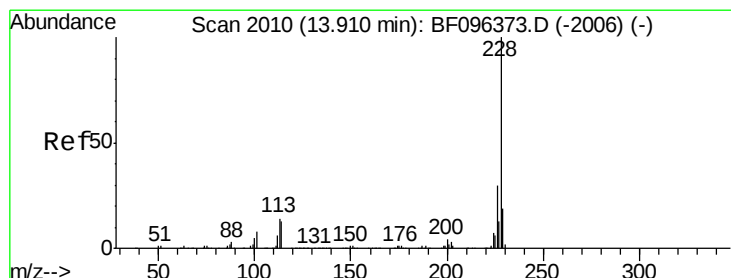
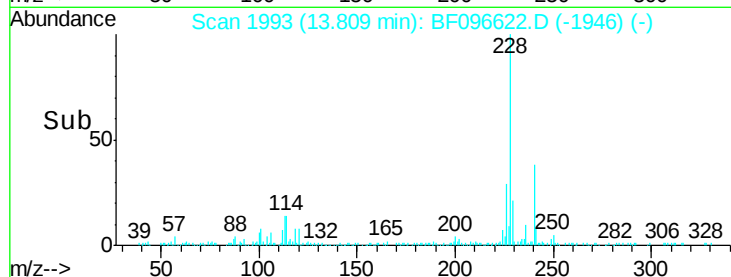
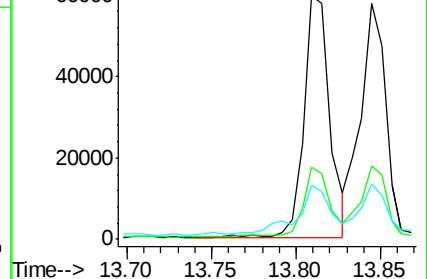
229 22.3 16.3 24.5



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: 4.40 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

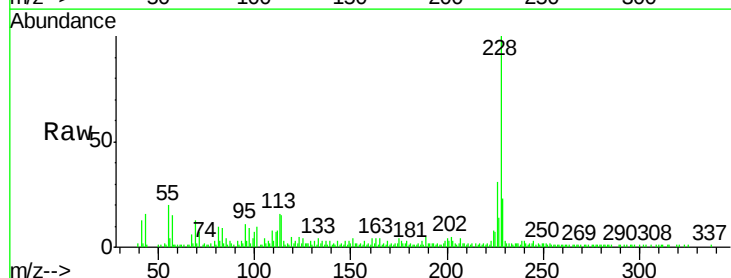
Tgt Ion:228 Resp: 60447

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

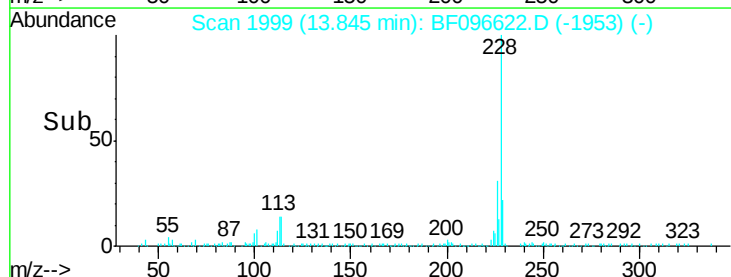
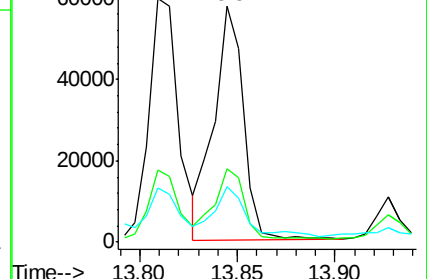
229 23.3 15.8 23.6

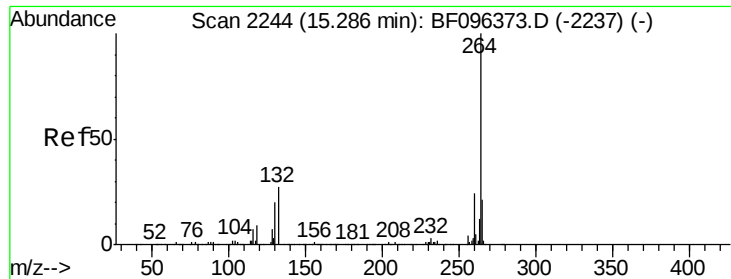


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

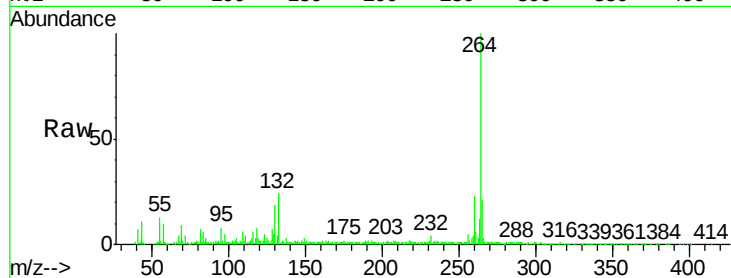




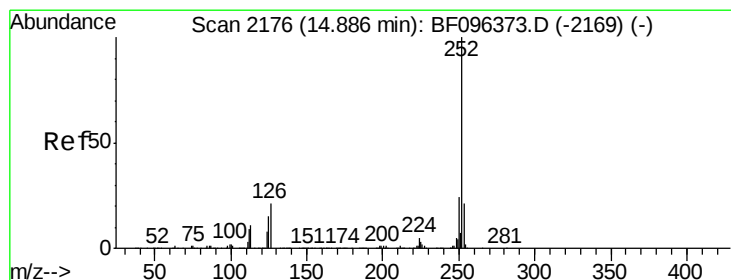
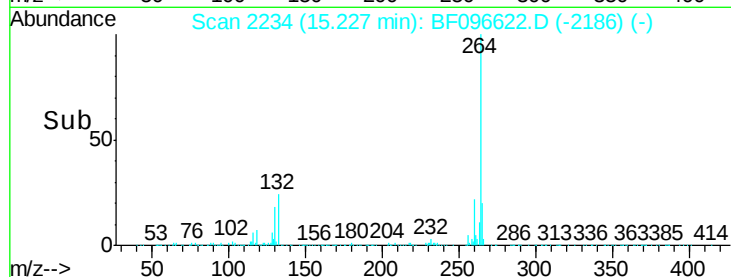
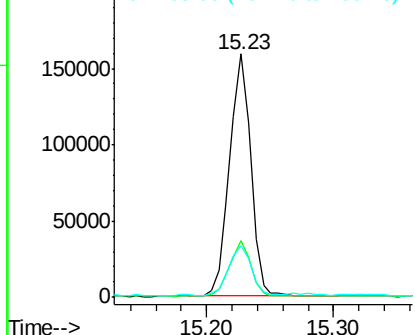
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 184863
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.1 17.2 25.8

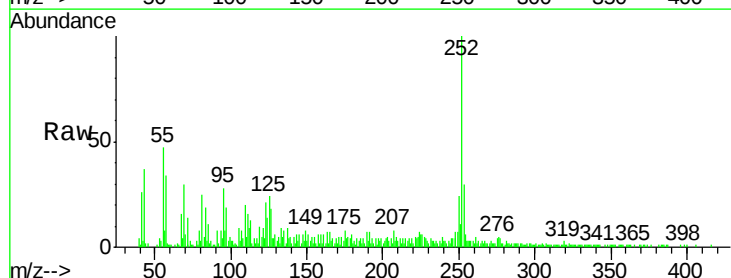


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

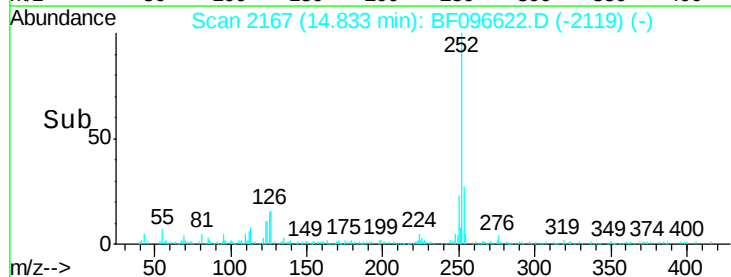
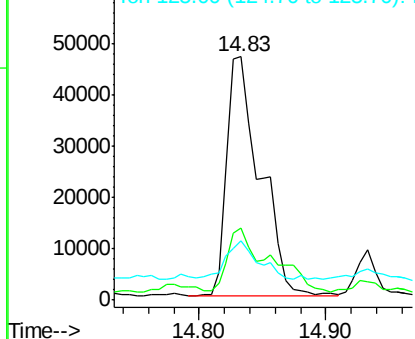


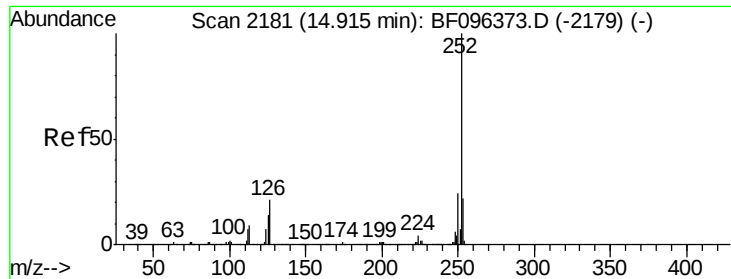
#87
Benzo(b)fluoranthene
Concen: 7.38 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion:252 Resp: 85465
Ion Ratio Lower Upper
252 100
253 29.7 18.1 27.1#
125 24.4 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

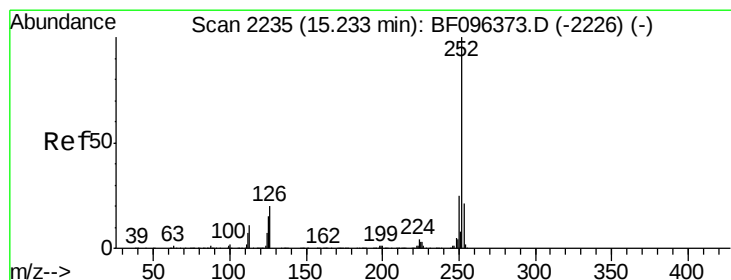
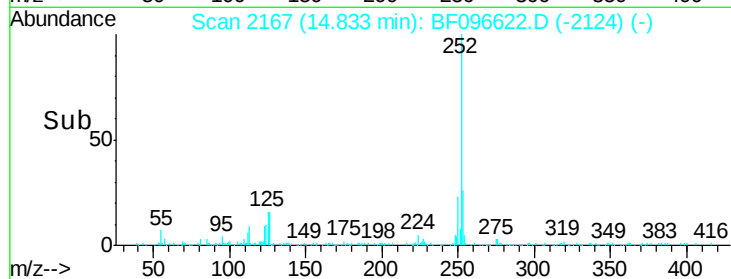
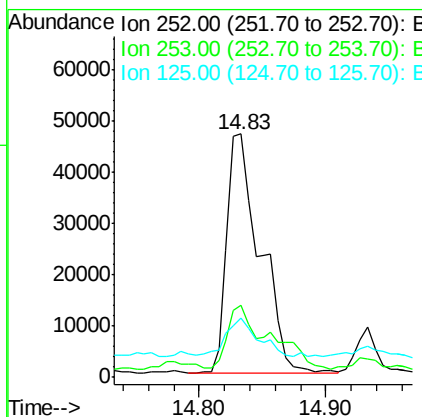
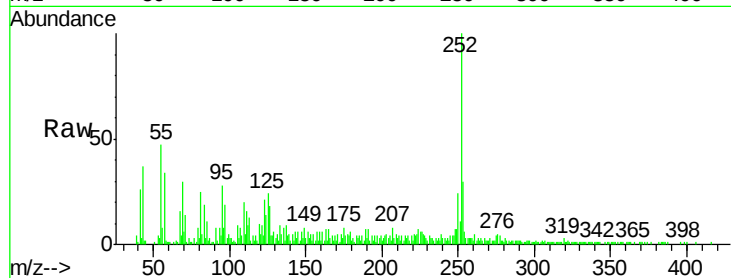




#88
Benzo(k)fluoranthene
Concen: 8.25 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

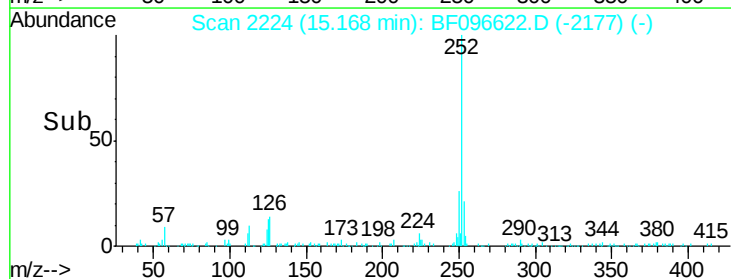
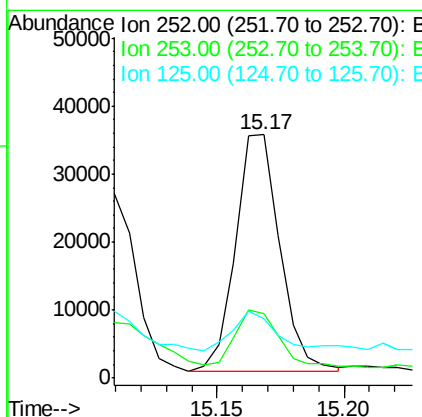
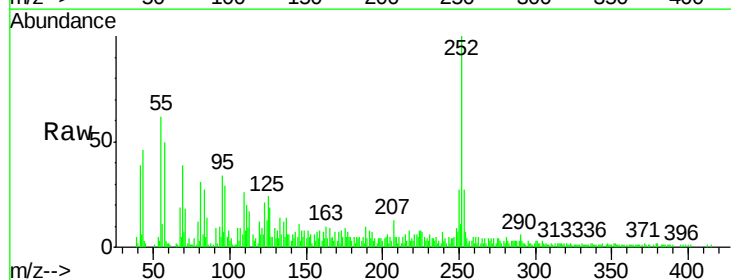
Instrument :
BNA_F
ClientSampleId :

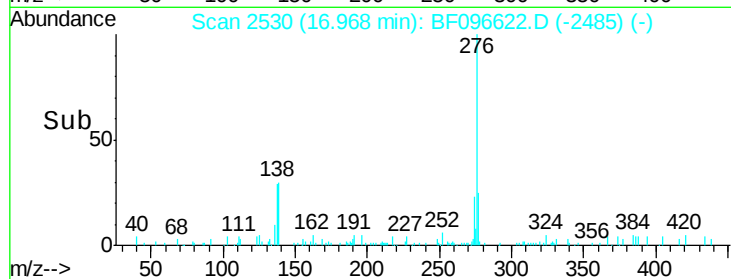
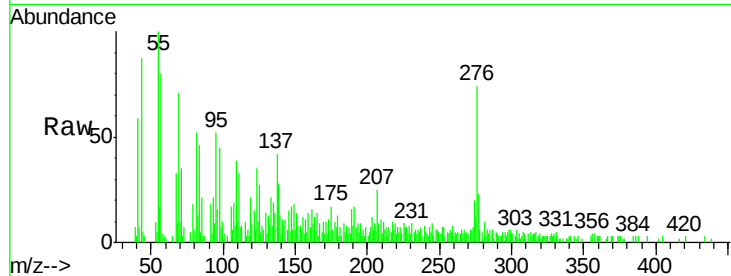
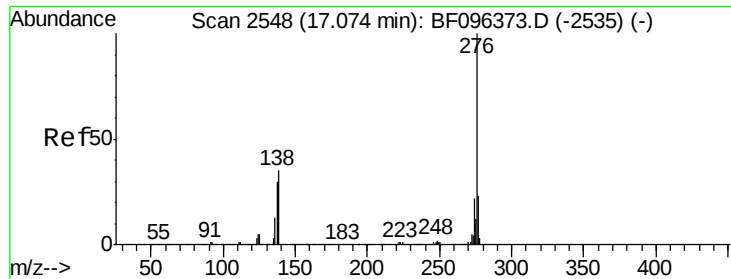
Tot Ion:252 Resp: 85465
Ion Ratio Lower Upper
252 100
253 29.7 18.4 27.6#
125 24.4 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096622.D
Acq: 11 Jul 2017 1:01

Tgt Ion:252 Resp: 42234
Ion Ratio Lower Upper
252 100
253 26.5 17.5 26.3#
125 24.3 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.36 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF096622.D

Acq: 11 Jul 2017 1:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 19894

Ion Ratio Lower Upper

276 100

277 30.6 18.6 28.0#

138 37.4 25.4 38.0

