

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096468.D
 Acq On : 4 Jul 2017 5:04
 Operator : SJ/MA
 Sample : I3998-03 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 05:30:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

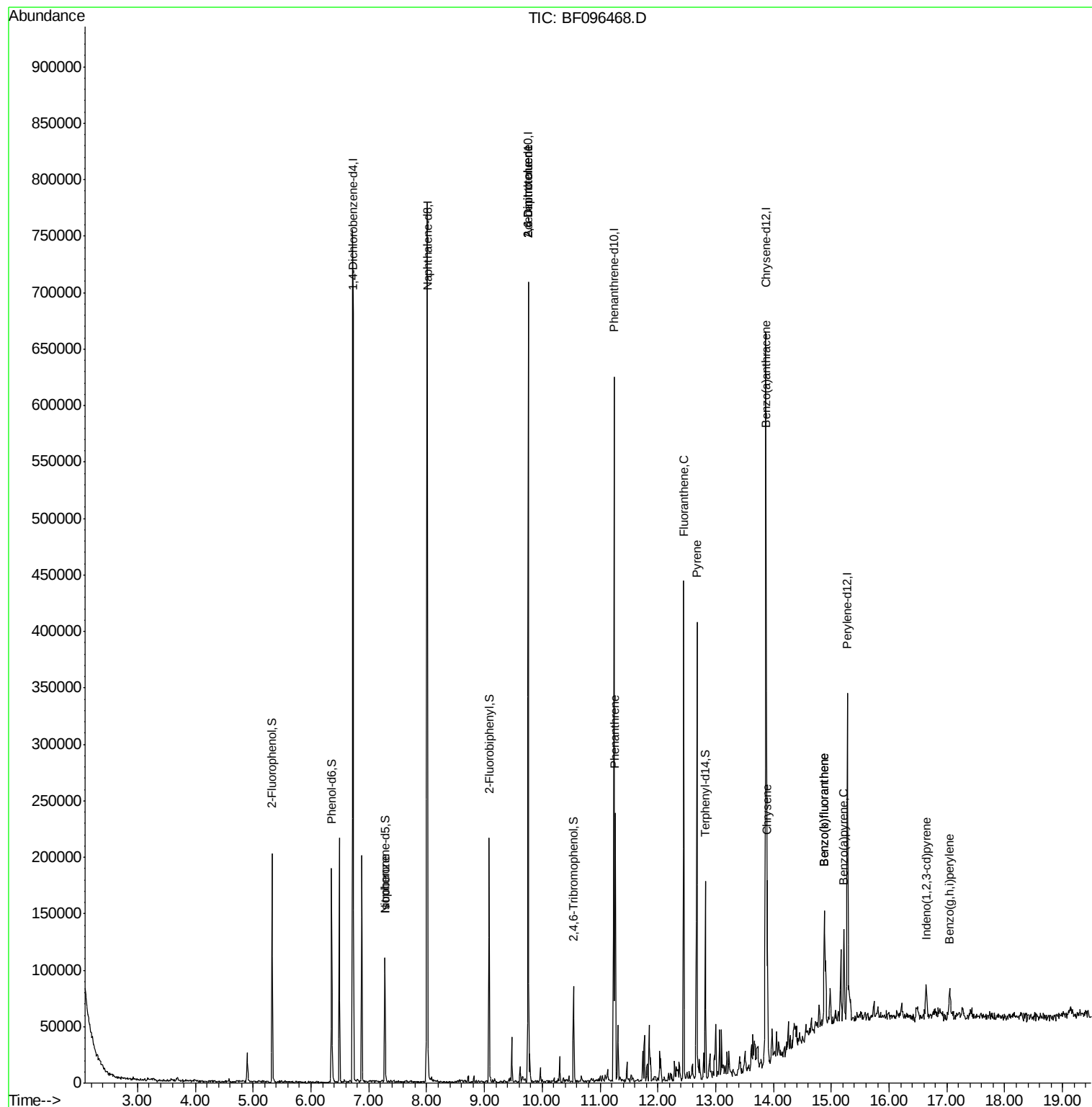
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	109707	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	376696	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	129811	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	216639	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	182811	20.00	ng	-0.01
86) Perylene-d12	15.28	264	114696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	53048	7.14	ng	-0.02
7) Phenol-d6	6.35	99	63304	6.93	ng	-0.02
23) Nitrobenzene-d5	7.28	82	31939	5.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	7883	7.77	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	62545	8.24	ng	-0.02
78) Terphenyl-d14	12.82	244	46915	5.48	ng	-0.01
Target Compounds						
25) Isophorone	7.28	82	31643	2.60	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	15962	7.45	ng	# 33
56) 2,4-Dinitrotoluene	9.76	165	15962	5.88	ng	# 32
70) Phenanthrene	11.26	178	87659	7.49	ng	98
74) Fluoranthene	12.45	202	165881	14.45	ng	99
77) Pyrene	12.67	202	157234	10.72	ng	98
80) Benzo(a)anthracene	13.86	228	60664	5.73	ng	97
82) Chrysene	13.89	228	54073	4.88	ng	96
85) Indeno(1,2,3-cd)pyrene	16.64	276	20562	2.35	ng	96
87) Benzo(b)fluoranthene	14.88	252	65699	9.14	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	65699	10.22	ng	96
89) Benzo(a)pyrene	15.22	252	35347	5.51	ng	96
91) Benzo(a,h,i)perylene	17.05	276	19425	3.71	ng	94

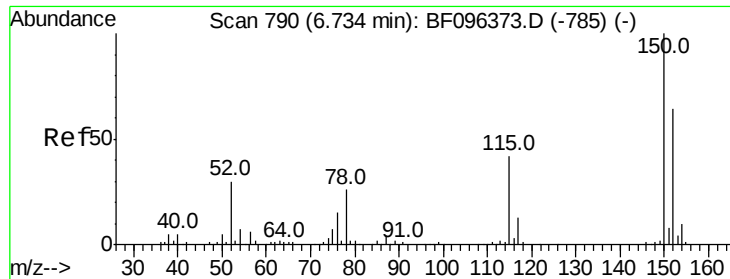
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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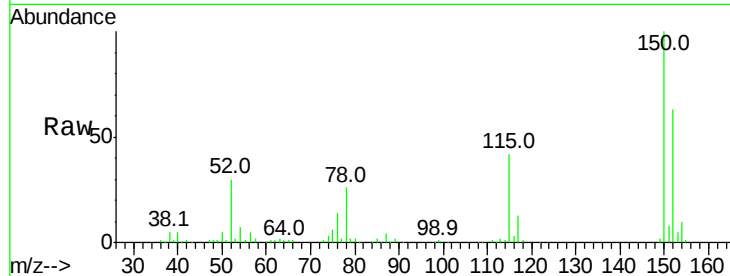


#1

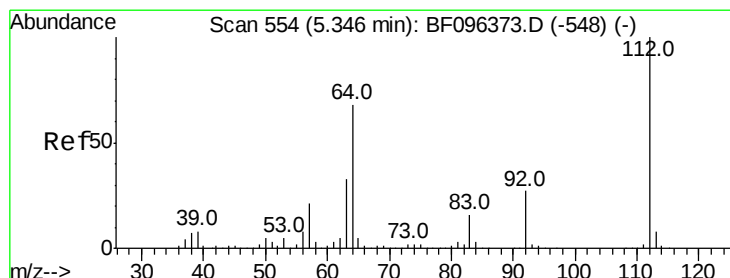
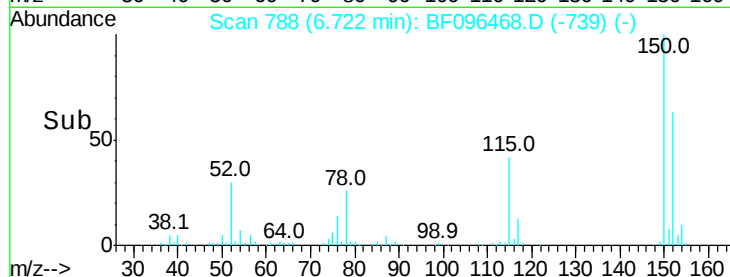
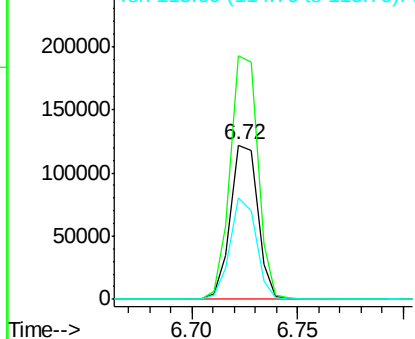
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	66.2	52.2	78.2



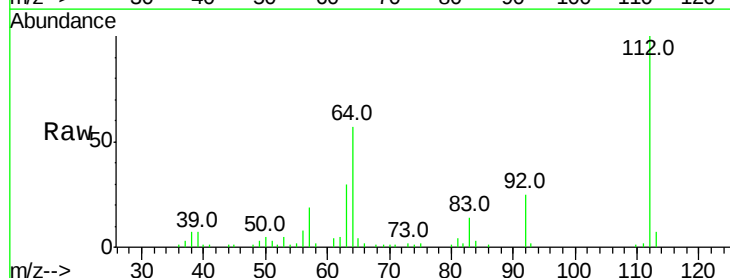
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



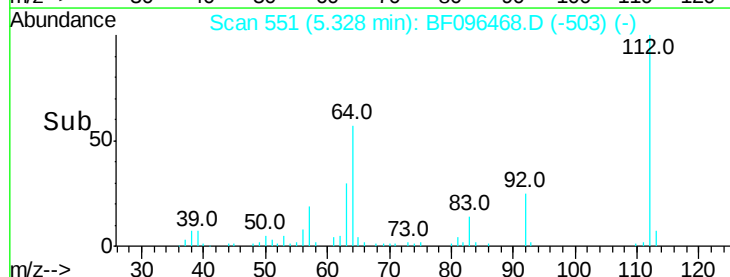
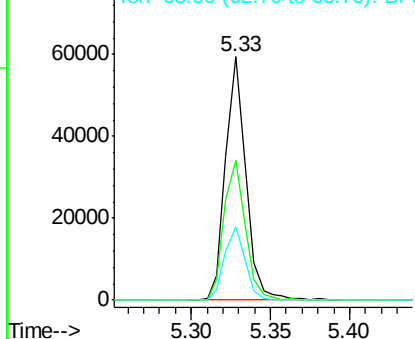
#5

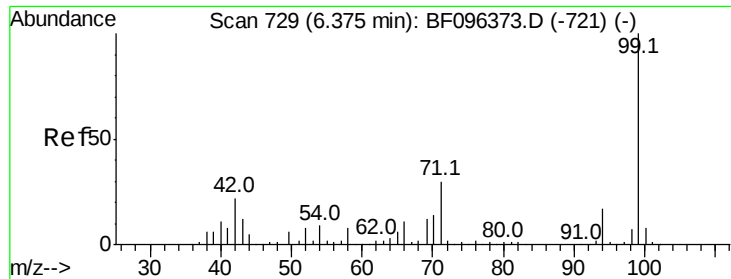
2-Fluorophenol
Concen: 7.14 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	30.2	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: 6.93 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

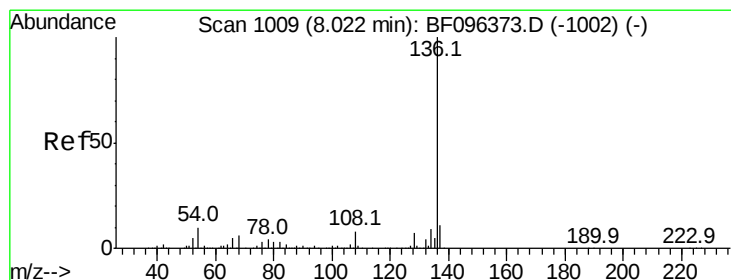
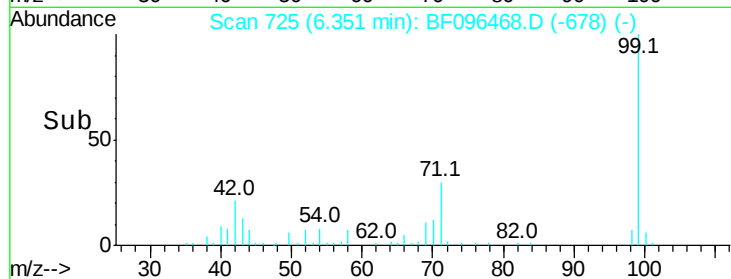
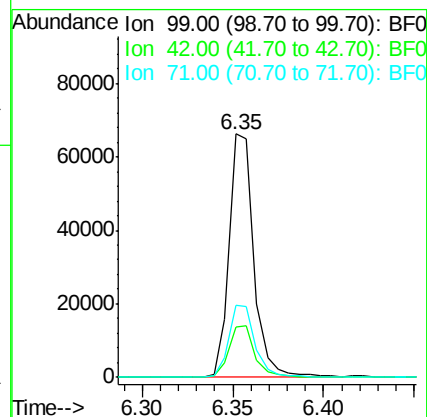
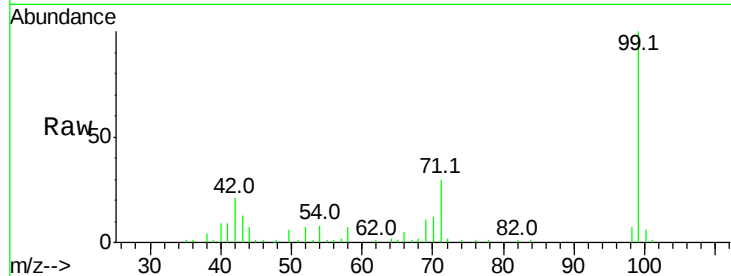
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 63304

Ion	Ratio	Lower	Upper
99	100		
42	20.8	13.5	20.3#
71	29.7	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 1007

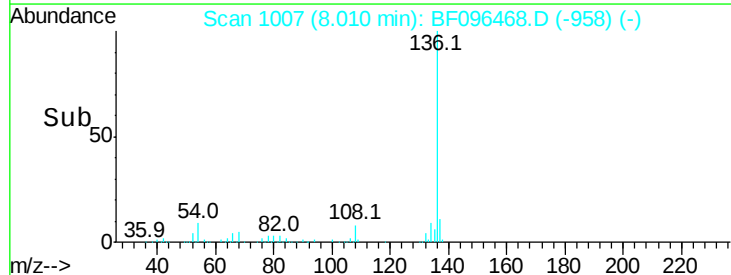
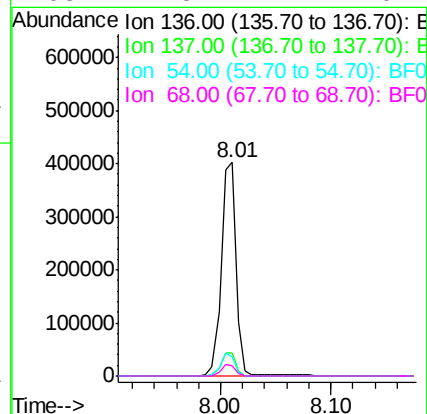
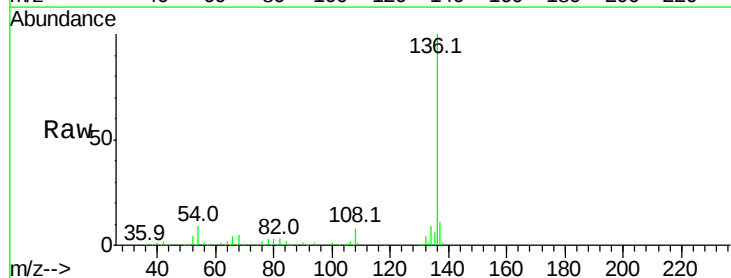
Delta R.T. -0.01 min

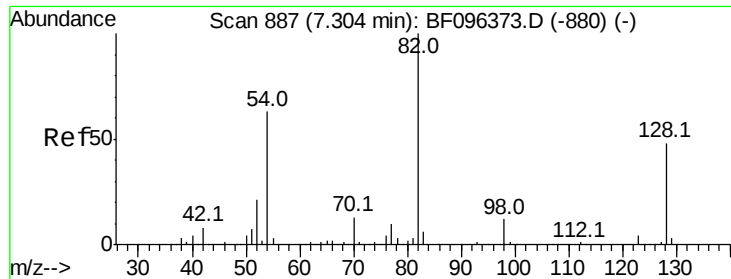
Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

Tgt Ion: 136 Resp: 376696

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.2	4.9	7.3#
68	4.8	4.1	6.1

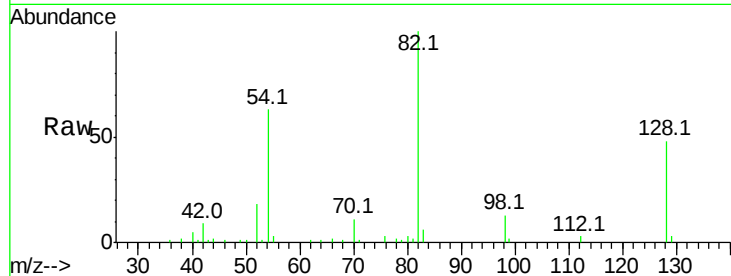




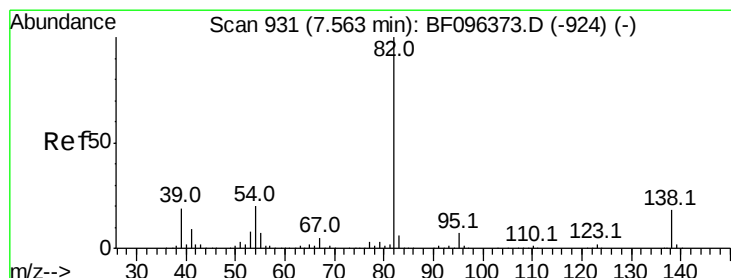
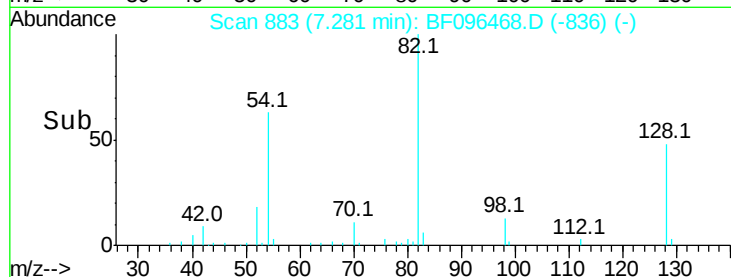
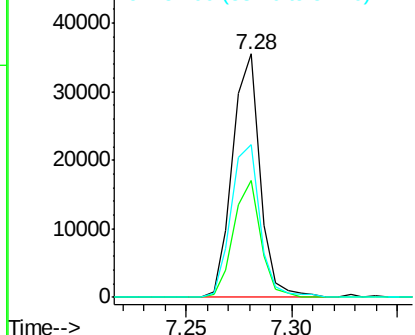
#23
 Nitrobenzene-d5
 Concen: 5.09 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	31939
Ion Ratio	Lower	Upper	
82	100		
128	48.2	34.0	51.0
54	63.0	42.2	63.2

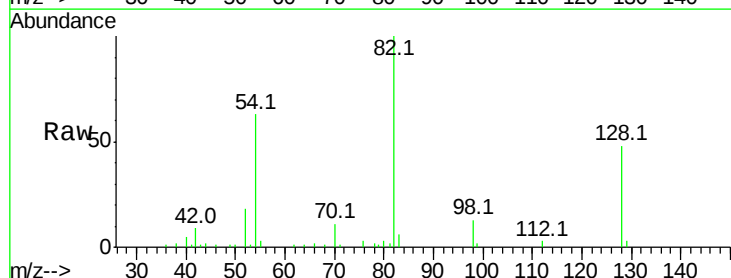


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

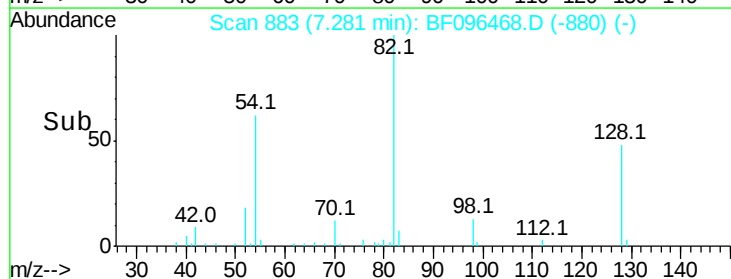
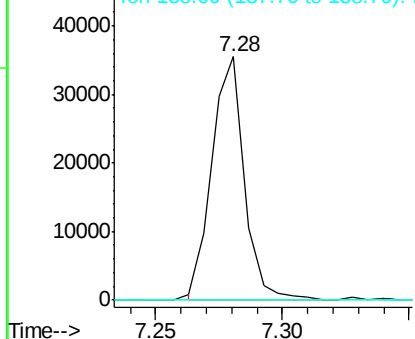


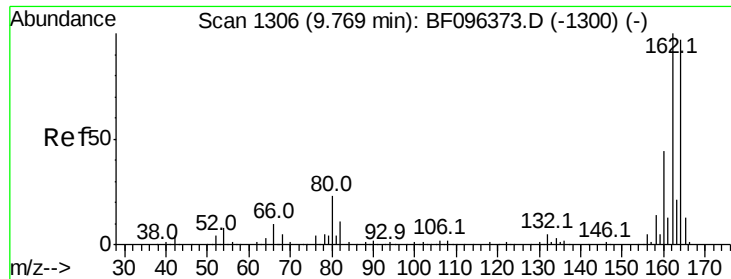
#25
 Isophorone
 Concen: 2.60 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.28 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Tgt Ion	82	Resp	31643
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

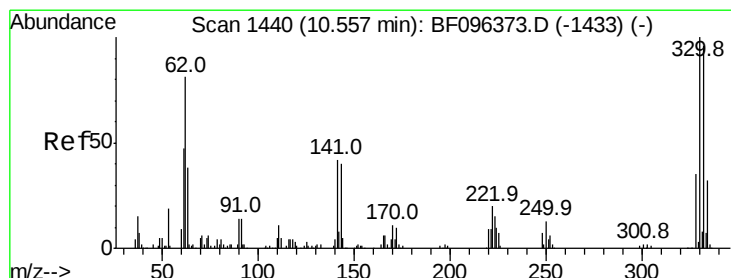
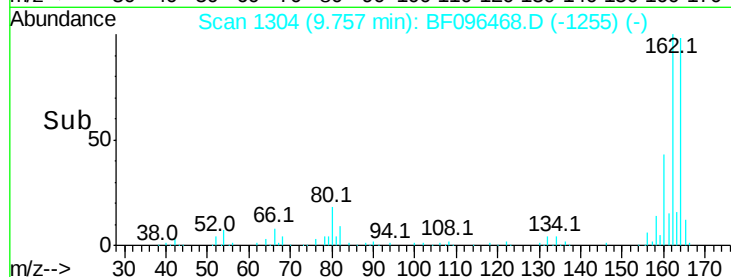
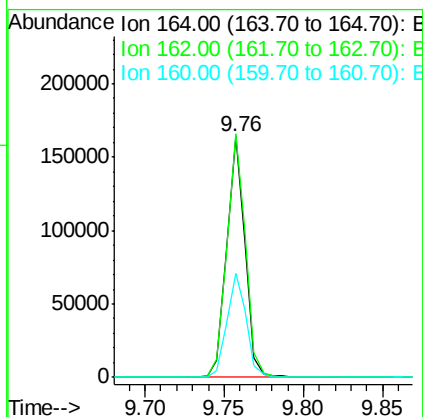
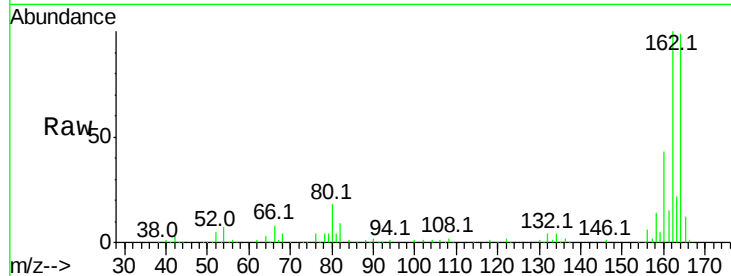




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

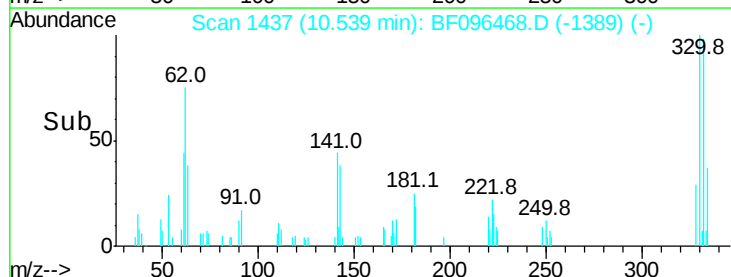
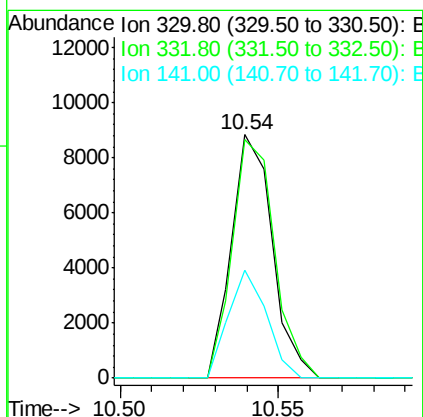
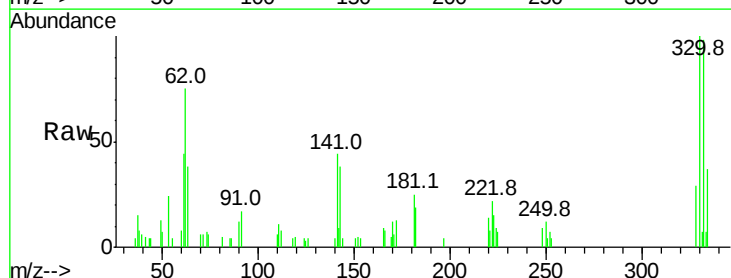
Instrument :
BNA_F
ClientSampleId :

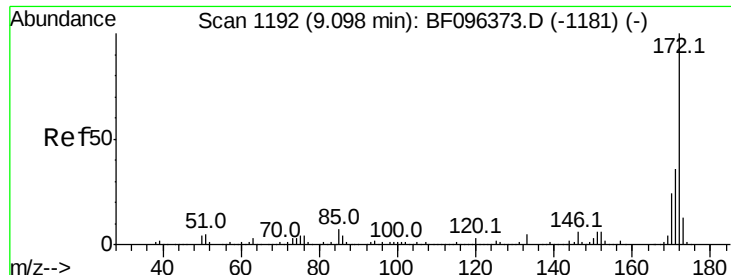
Tot Ion:164 Resp: 129811
Ion Ratio Lower Upper
164 100
162 101.1 82.6 123.8
160 43.4 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 7.77 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:330 Resp: 7883
Ion Ratio Lower Upper
330 100
332 101.2 76.6 115.0
141 41.1 31.4 47.2

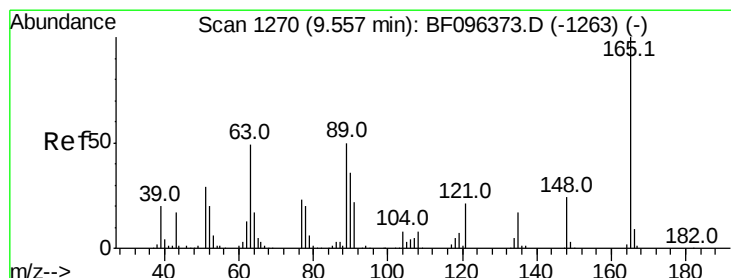
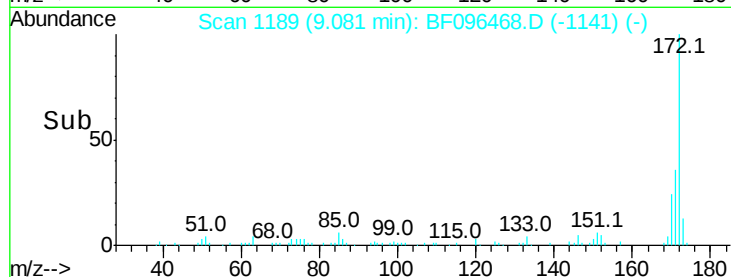
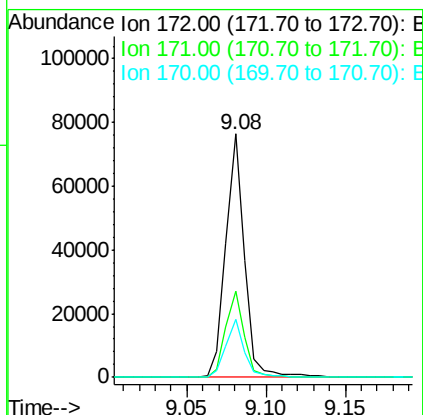
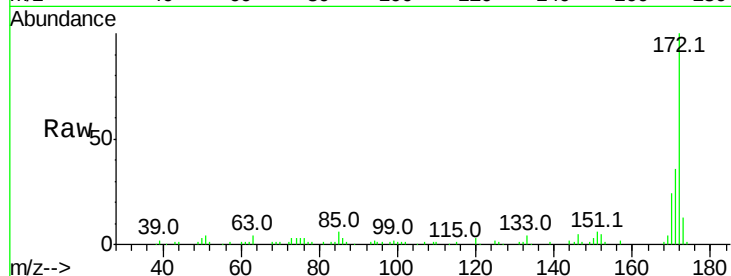




#44
 2-Fluorobiphenyl
 Concen: 8.24 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

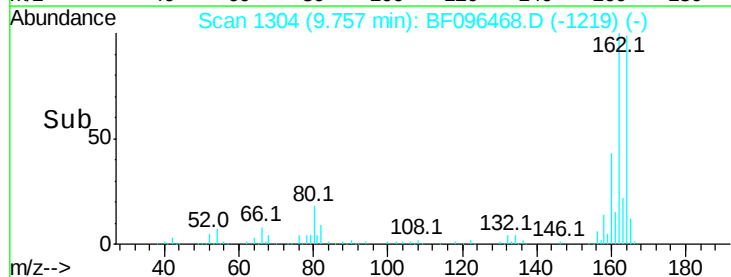
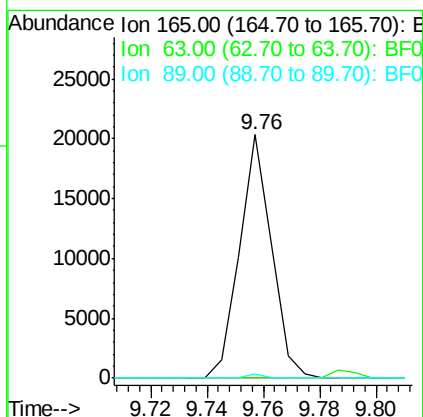
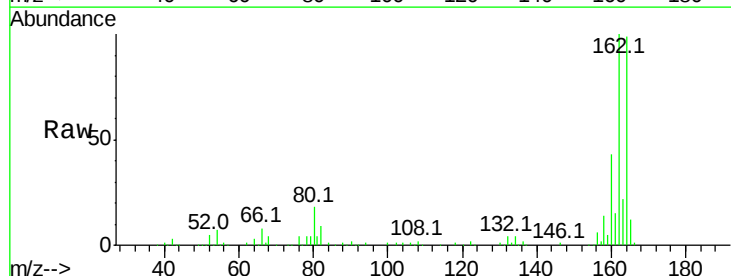
Instrument :
 BNA_F
 ClientSampleId :

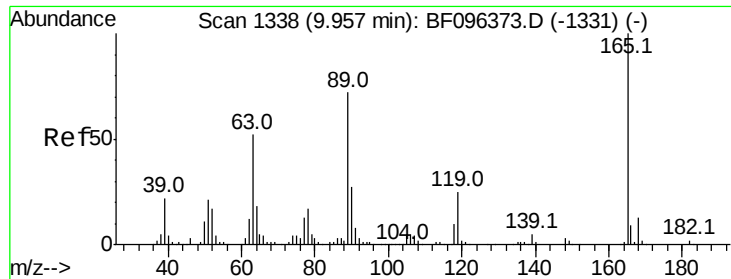
Tot Ion:172 Resp: 62545
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.6 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Tgt Ion:165 Resp: 15962
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 1.6 37.1 55.7#

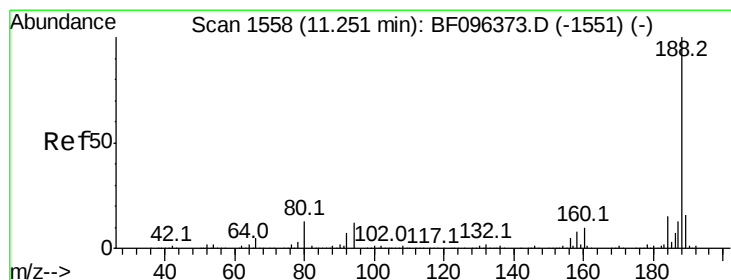
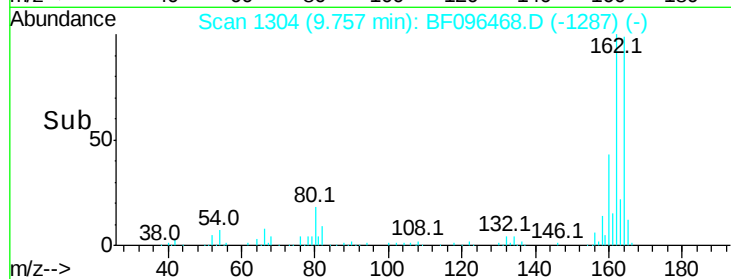
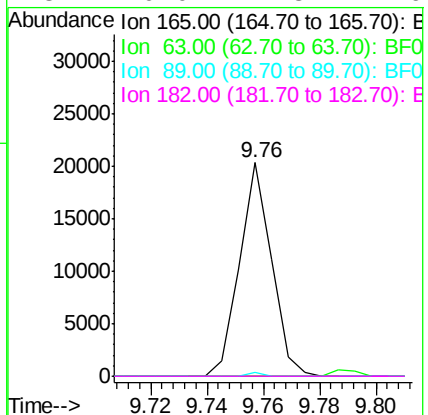
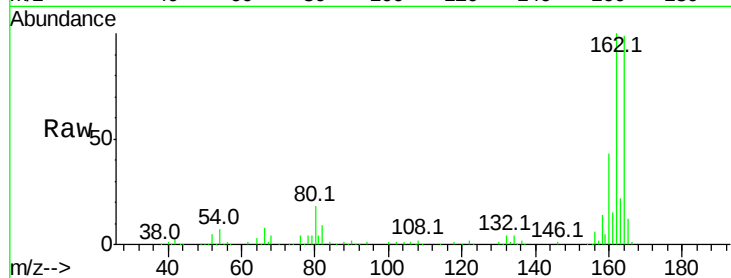




#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

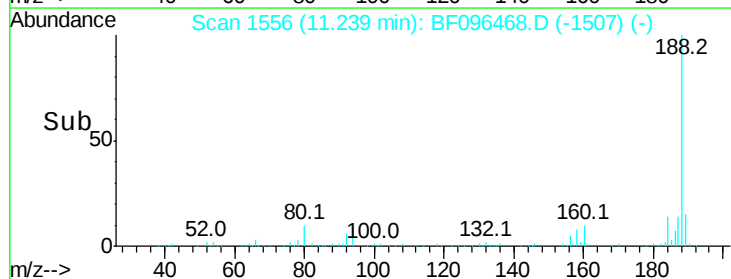
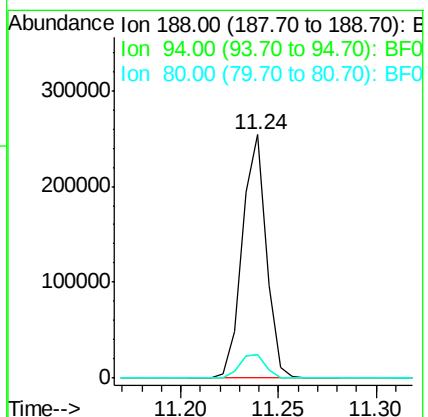
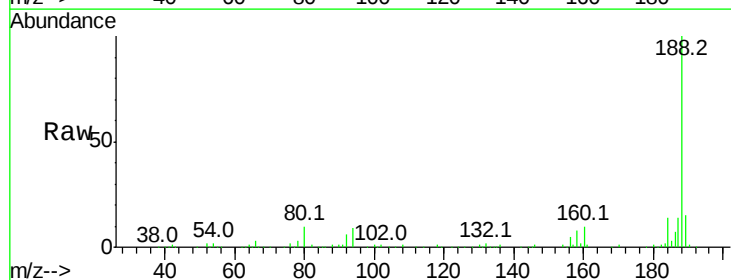
Instrument :
 BNA_F
 ClientSampleId :

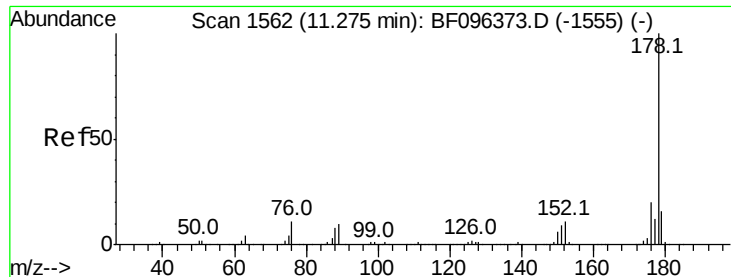
Tot Ion:165 Resp: 15962
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Tgt Ion:188 Resp: 216639
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 9.7 10.2 15.2#

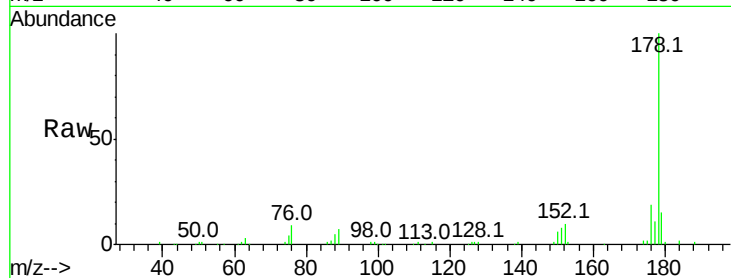




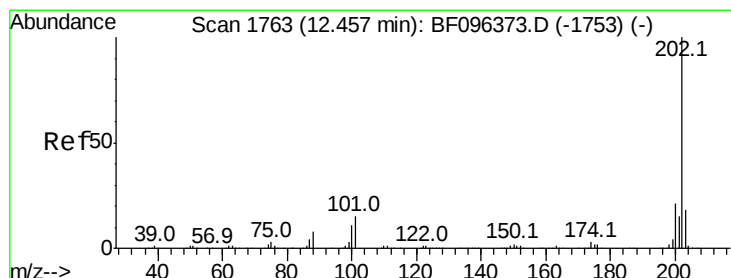
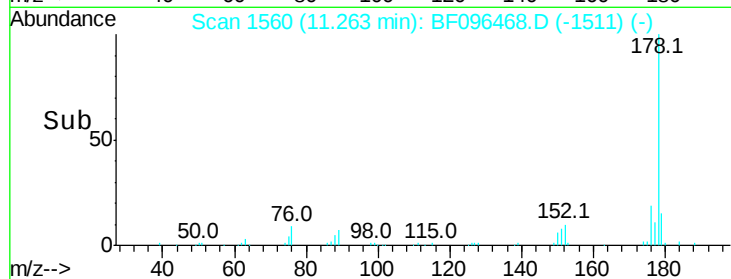
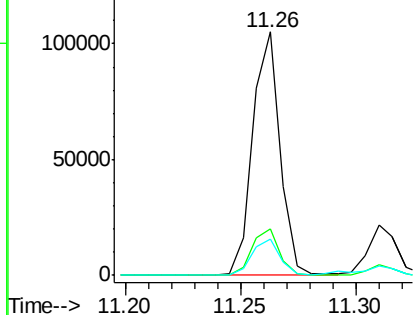
#70
 Phenanthrene
 Concen: 7.49 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 87659
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 14.8 12.6 19.0

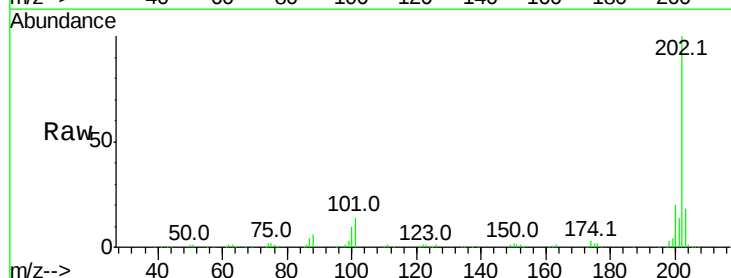


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

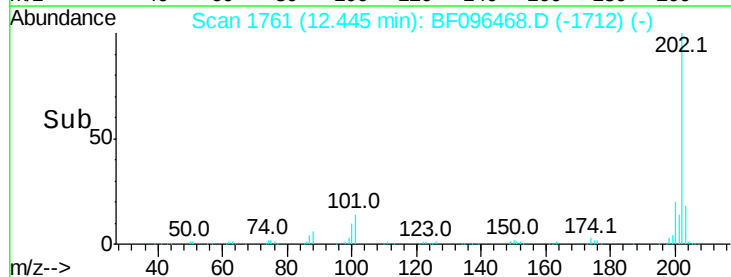
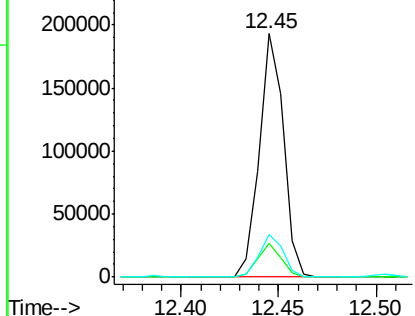


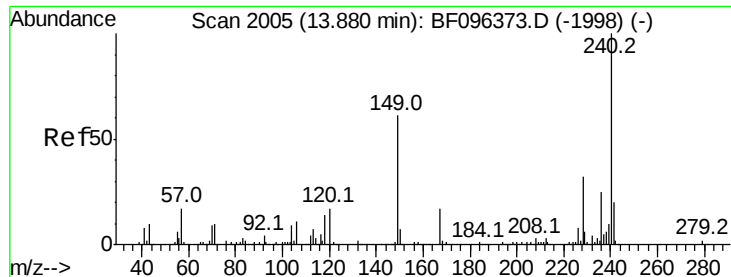
#74
 Fluoranthene
 Concen: 14.45 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Tgt Ion:202 Resp: 165881
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 33.2
 203 17.7 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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

Instrument :

BNA_F

ClientSampled :

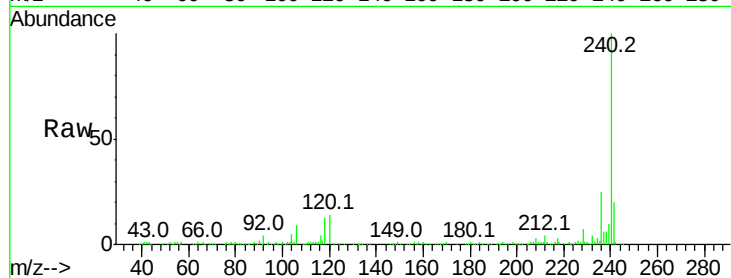
Tot Ion:240 Resp: 182811

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

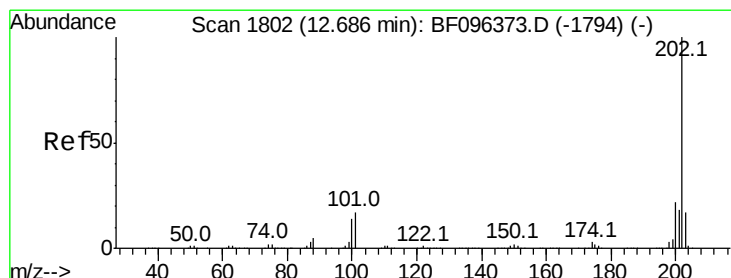
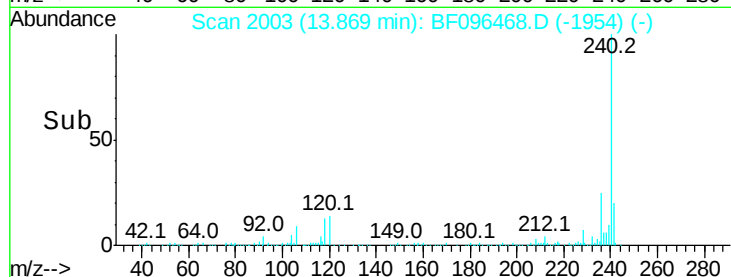
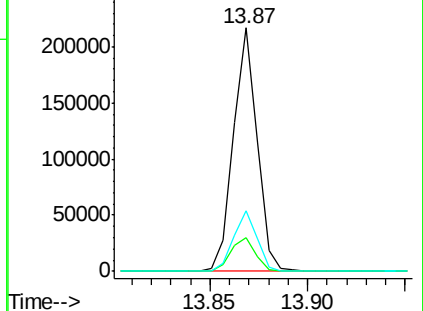
236 24.8 20.5 30.7



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: 10.72 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

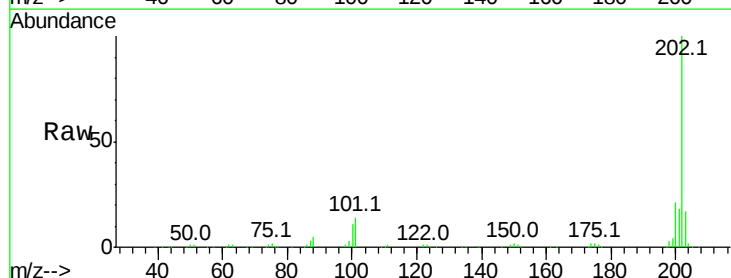
Tgt Ion:202 Resp: 157234

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

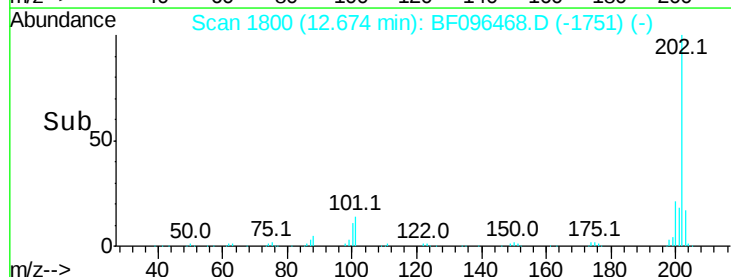
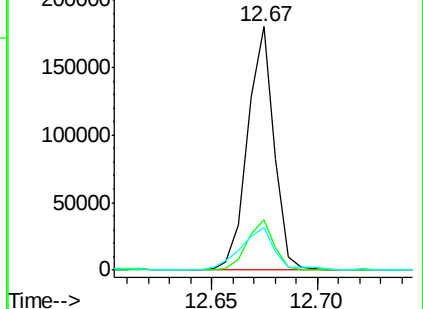
203 17.5 14.4 21.6

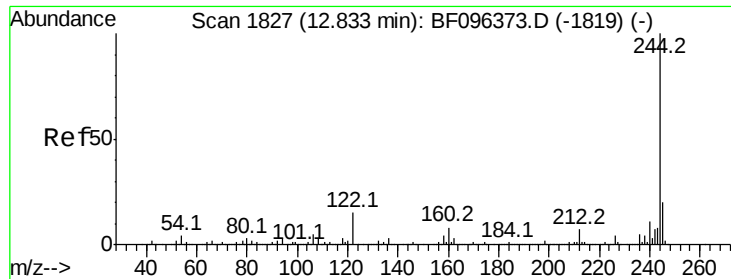


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

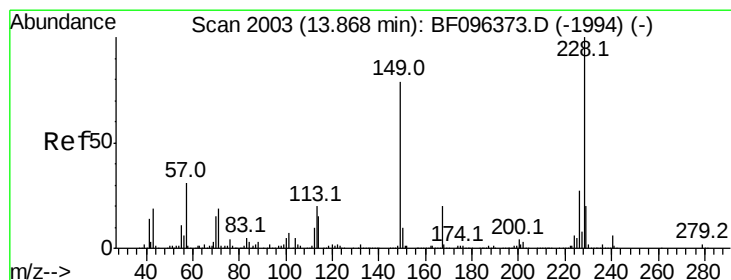
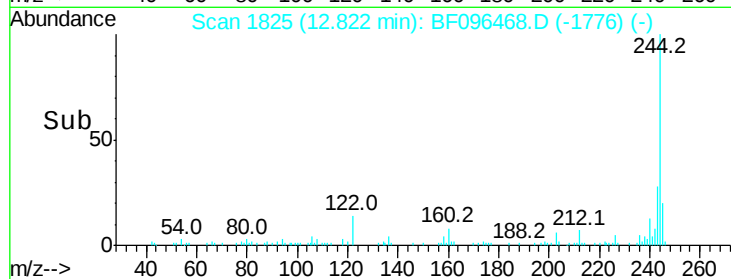
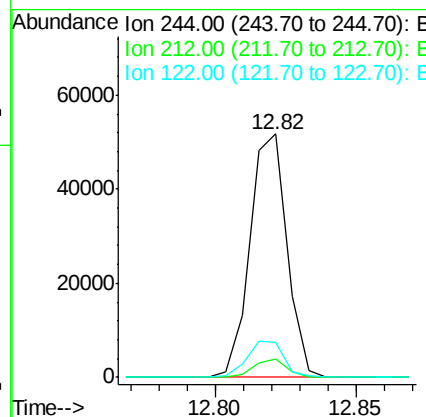
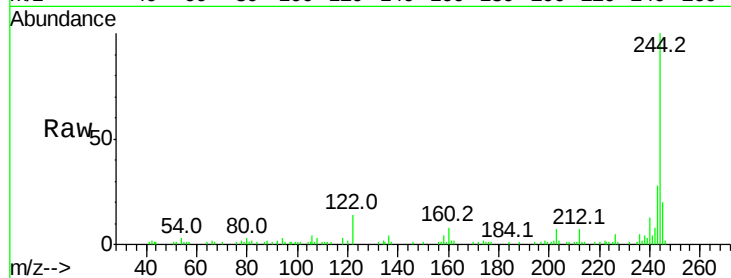




#78
 Terphenyl-d14
 Concen: 5.48 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

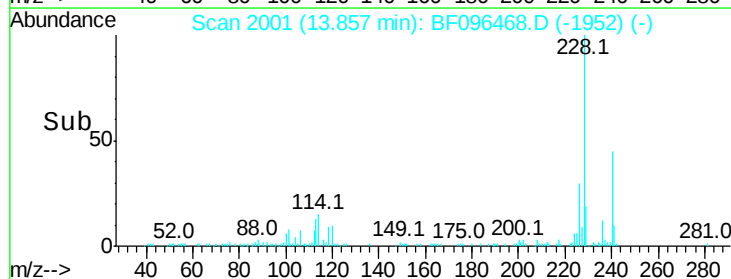
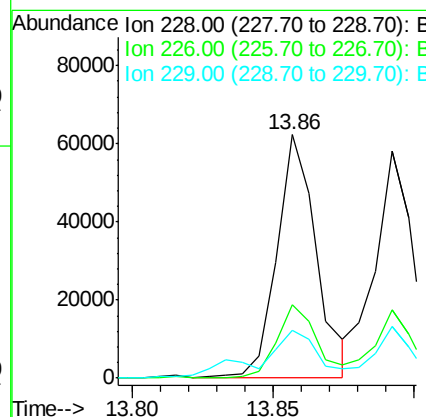
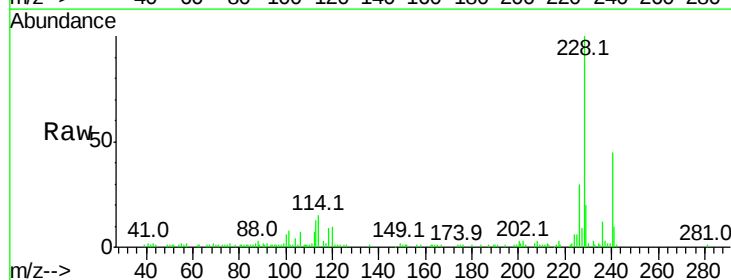
Instrument :
 BNA_F
 ClientSampleId :

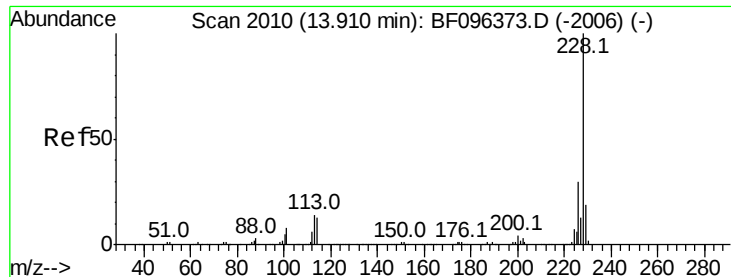
Tot Ion:244 Resp: 46915
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 5.73 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096468.D
 Acq: 4 Jul 2017 5:04

Tgt Ion:228 Resp: 60664
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 19.7 16.3 24.5





#82

Chrysene

Concen: 4.88 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

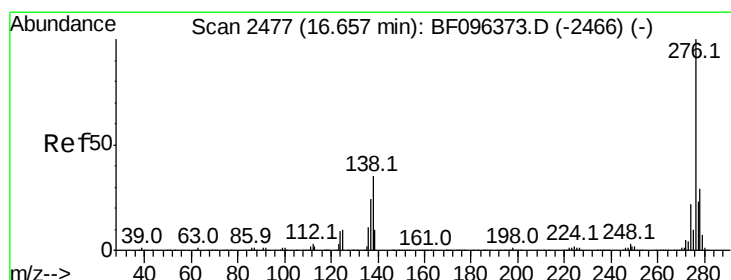
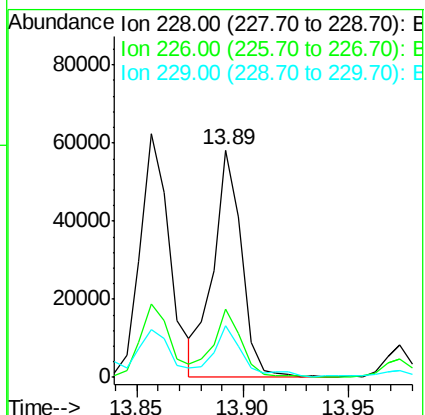
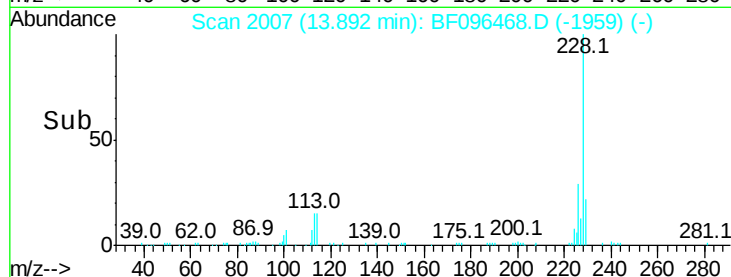
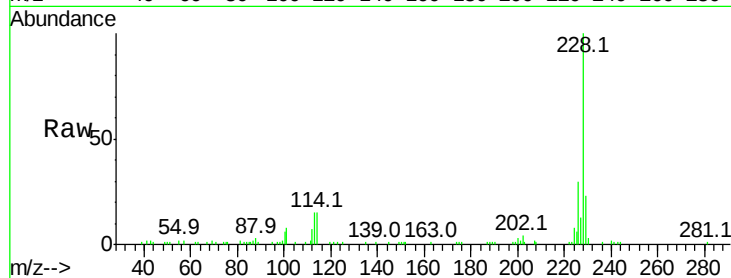
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 54073

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.7	15.8	23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.35 ng

RT: 16.64 min Scan# 2474

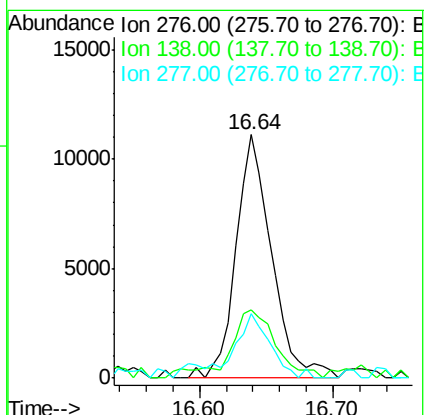
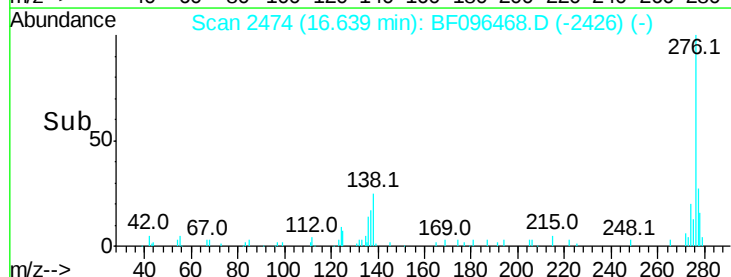
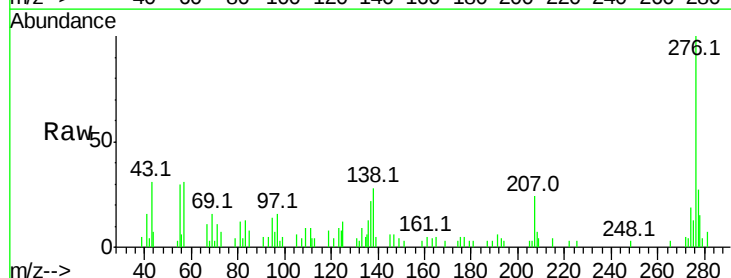
Delta R.T. -0.02 min

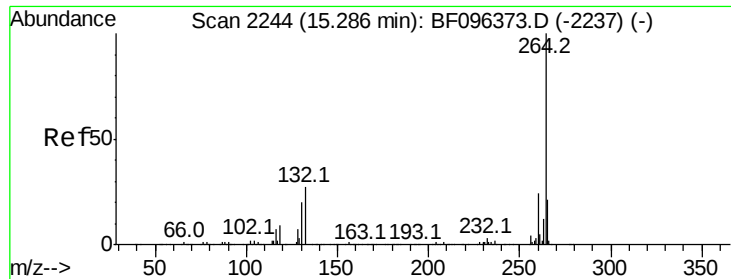
Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

Tgt Ion:276 Resp: 20562

Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	23.4	20.2	30.4

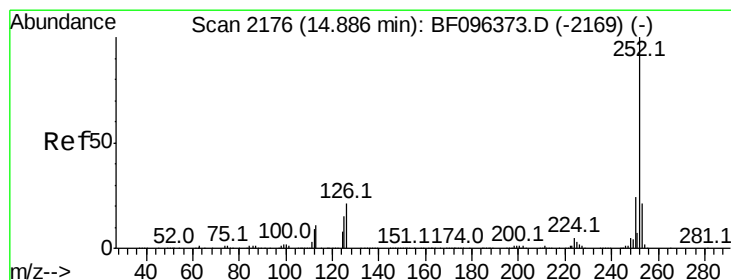
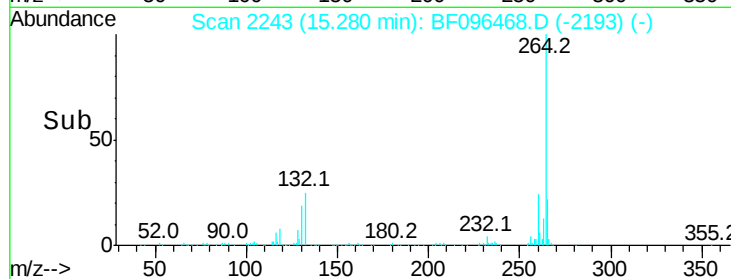
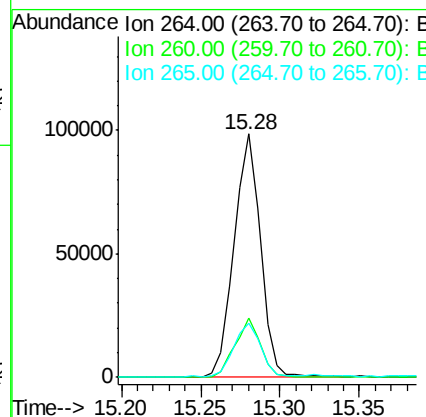
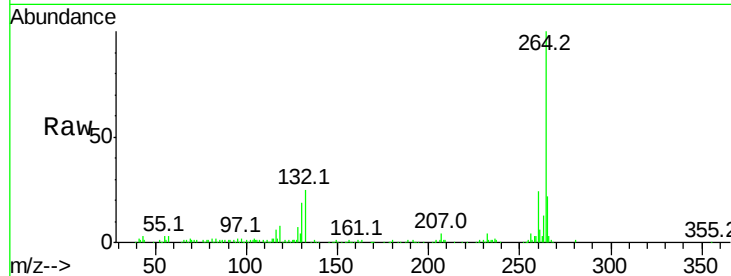




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

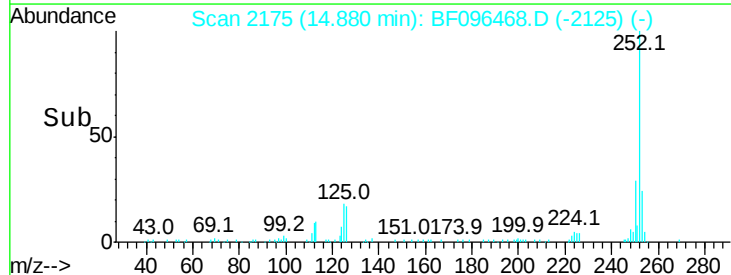
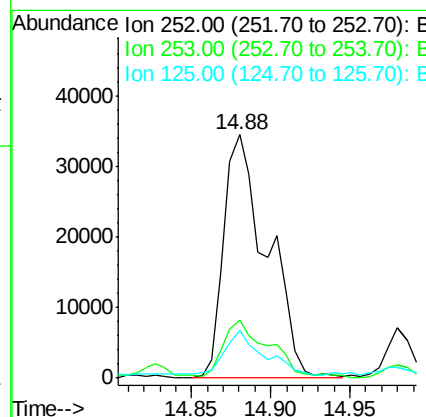
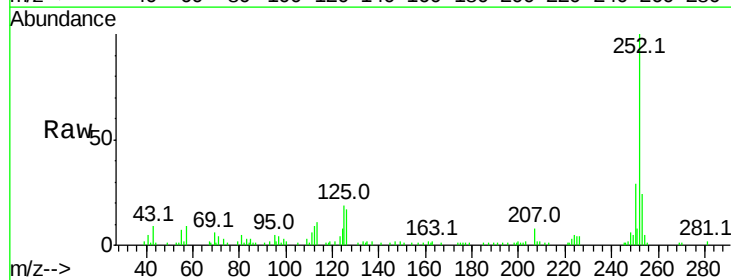
Instrument :
BNA_F
ClientSampled :

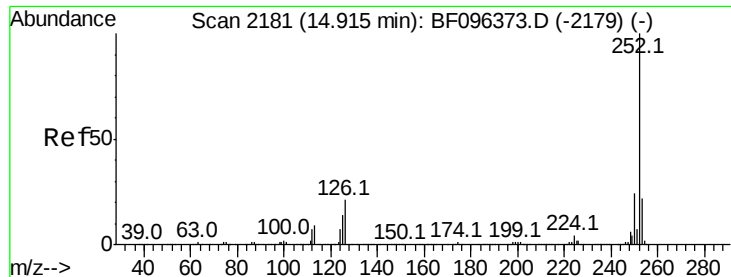
Tot Ion:264 Resp: 114696
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.14 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:252 Resp: 65699
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 19.5 9.8 14.8#

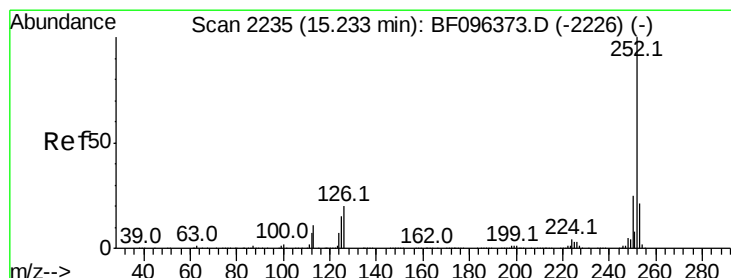
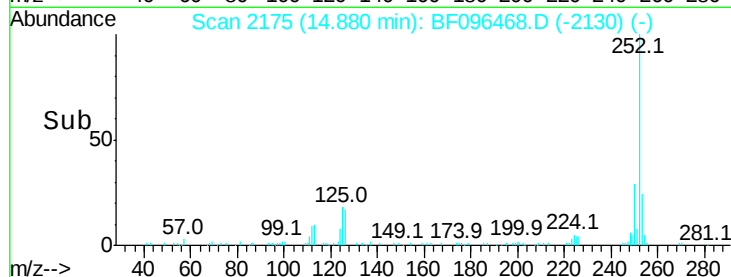
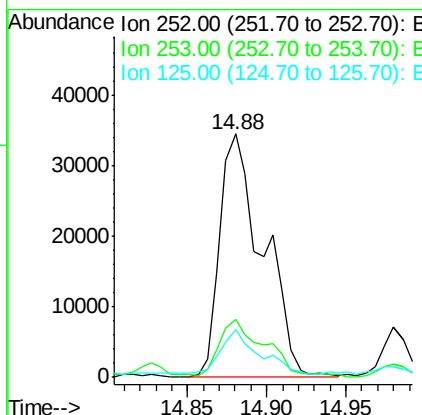
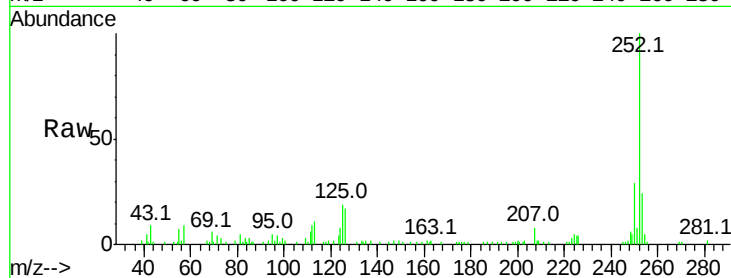




#88
Benzo(k)fluoranthene
Concen: 10.22 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

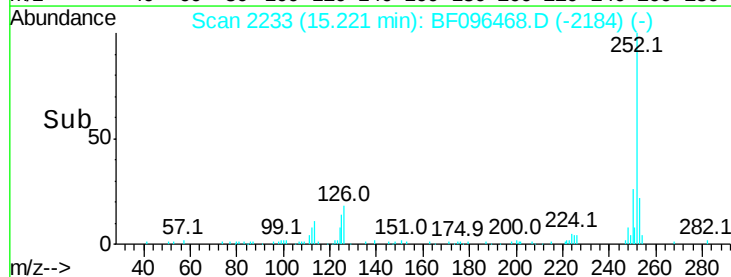
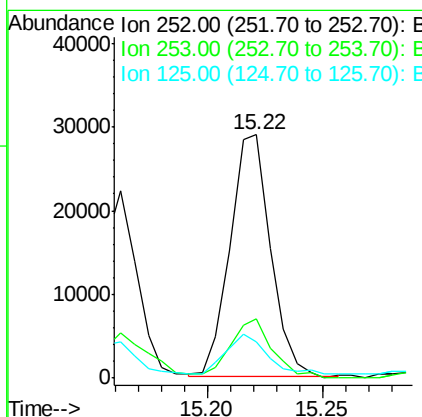
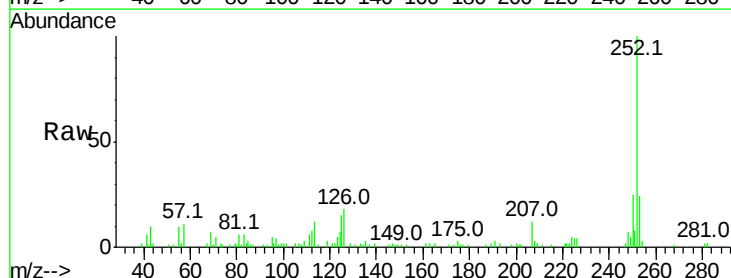
Instrument :
BNA_F
ClientSampleId :

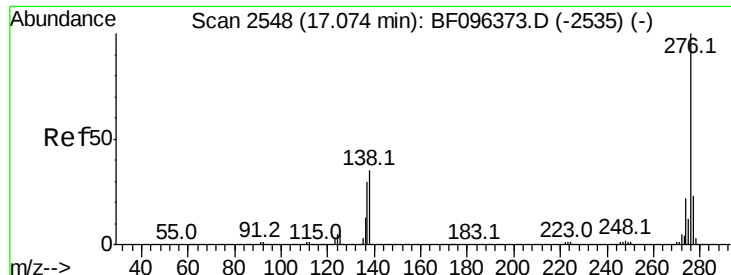
Tot Ion:252 Resp: 65699
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 19.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.51 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:252 Resp: 35347
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 15.1 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.71 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.02 min

Lab File: BF096468.D

Acq: 4 Jul 2017 5:04

Instrument :

BNA_F

ClientSampleId :

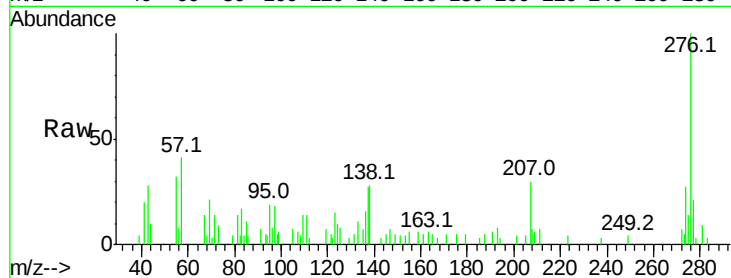
Tot Ion:276 Resp: 19425

Ion Ratio Lower Upper

276 100

277 20.7 18.6 28.0

138 28.1 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

