

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096032.D
 Acq On : 20 Jun 2017 7:24
 Operator : SJ/MA
 Sample : I3688-10 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 08:08:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

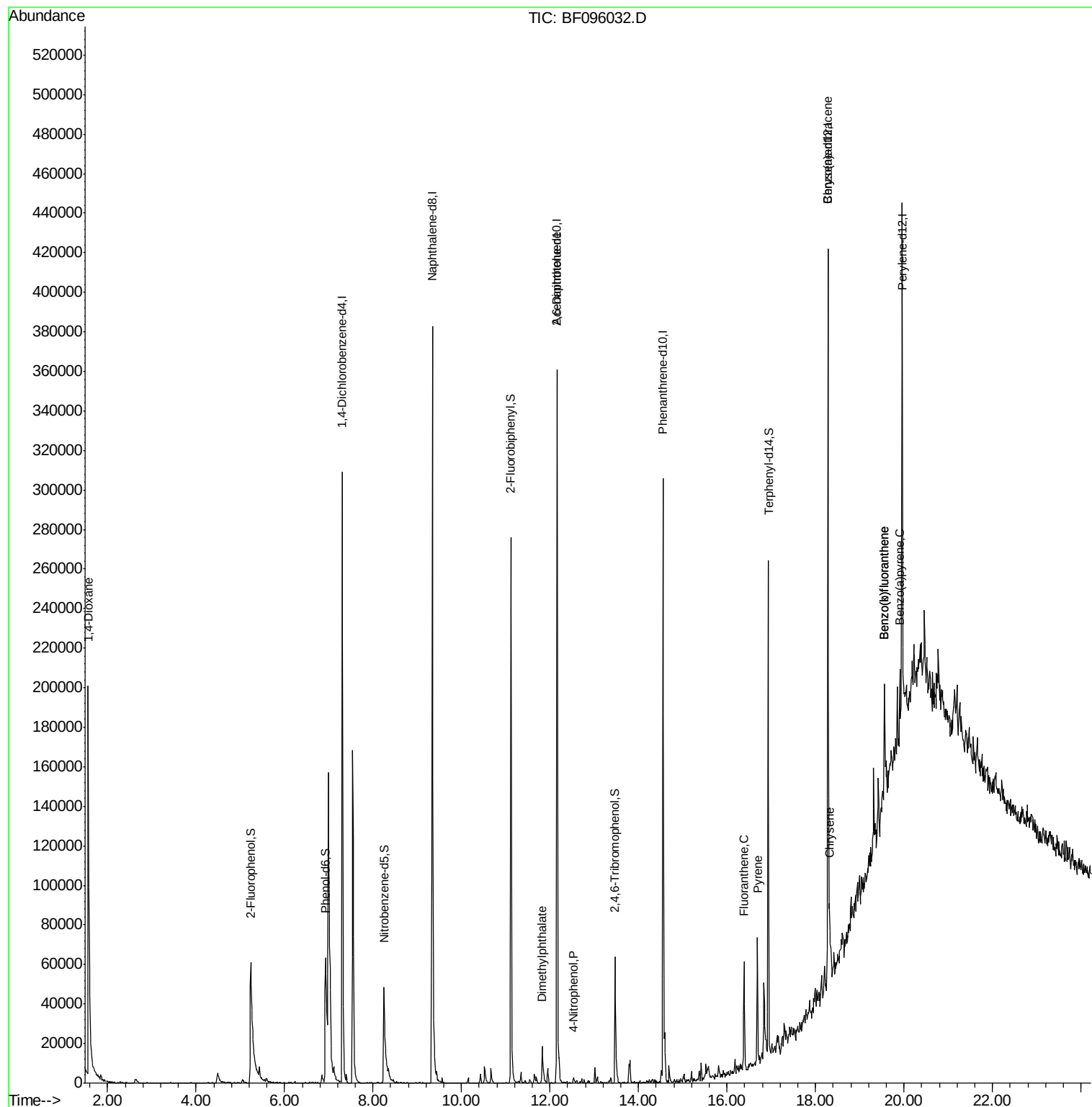
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	75467	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	286860	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	111608	20.00	ng	-0.02
63) Phenanthrene-d10	14.56	188	175819	20.00	ng	-0.01
75) Chrysene-d12	18.28	240	142656	20.00	ng	-0.02
86) Perylene-d12	19.96	264	109621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	83288	17.59	ng	0.02
7) Phenol-d6	6.92	99	108892	19.21	ng	0.01
23) Nitrobenzene-d5	8.24	82	58888	12.75	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	14944	15.13	ng	0.00
44) 2-Fluorobiphenyl	11.12	172	136511	17.02	ng	-0.02
78) Terphenyl-d14	16.93	244	90895	15.81	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.56	88	9793	4.35	ng	# 24
49) Dimethylphthalate	11.83	163	17164	2.03	ng	# 99
50) 2,6-Dinitrotoluene	12.16	165	14487	7.84	ng	# 31
55) 4-Nitrophenol	12.53	139	864	5.27	ng	# 25
74) Fluoranthene	16.39	202	32117	3.20	ng	# 97
77) Pyrene	16.69	202	31652	2.97	ng	# 93
80) Benzo(a)anthracene	18.27	228	18366	2.21	ng	# 89
82) Chrysene	18.32	228	21576	2.60	ng	# 94
87) Benzo(b)fluoranthene	19.56	252	35095	5.11	ng	# 89
88) Benzo(k)fluoranthene	19.56	252	35095	5.35	ng	# 94
89) Benzo(a)pyrene	19.91	252	13092	2.08	ng	# 76

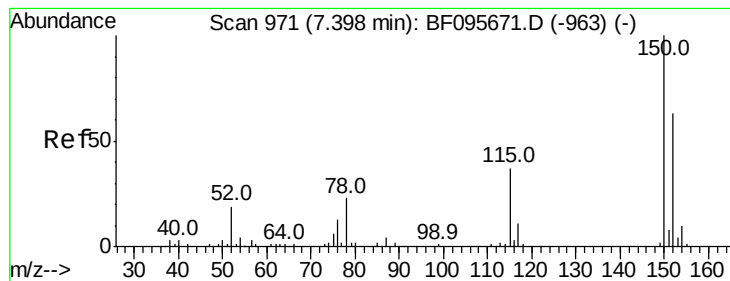
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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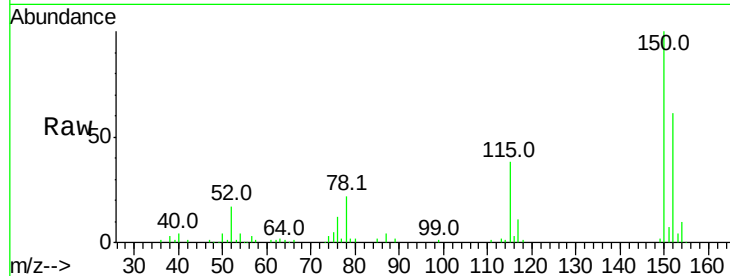


#1

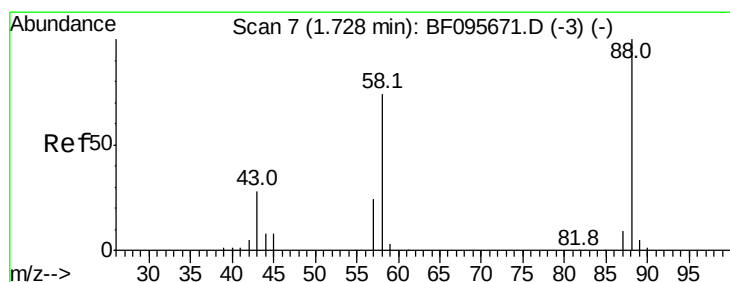
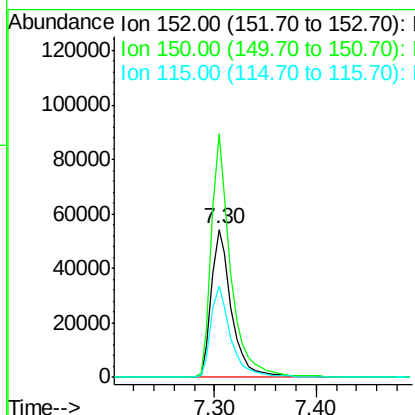
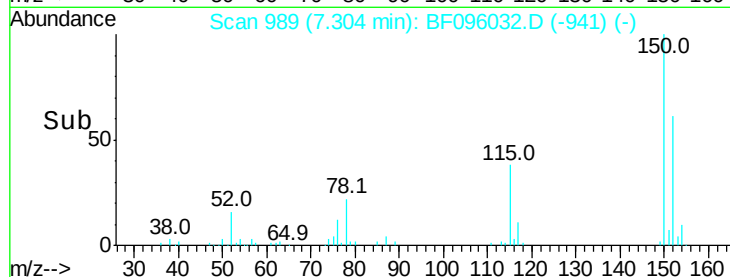
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 75467
Ion Ratio Lower Upper
152 100
150 164.8 126.2 189.2
115 62.1 52.2 78.2



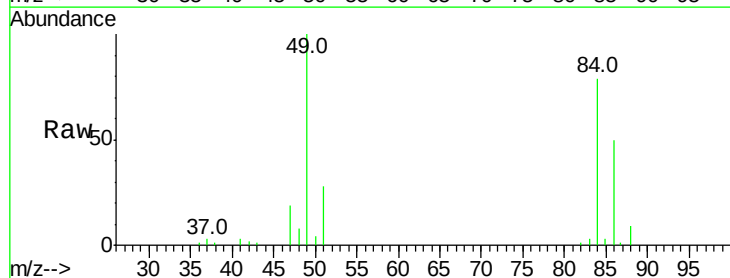
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



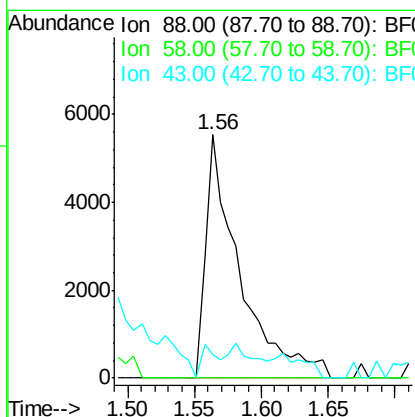
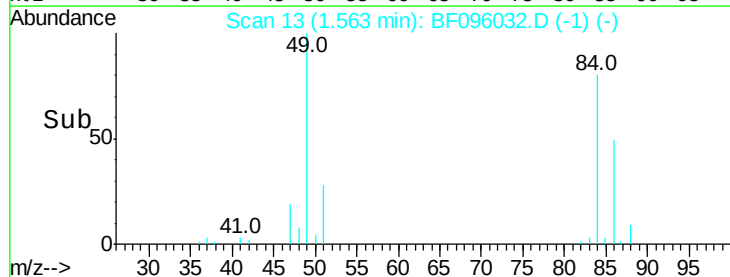
#2

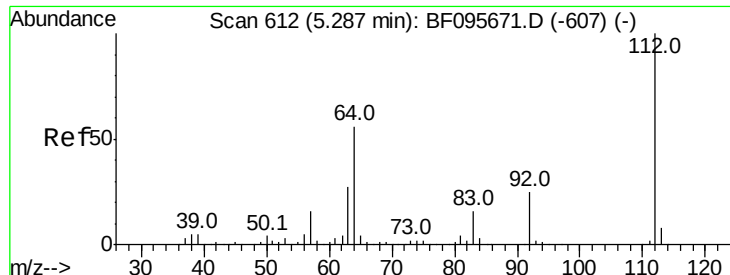
1,4-Dioxane
Concen: 4.35 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.07 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Tgt Ion: 88 Resp: 9793
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 6.3 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

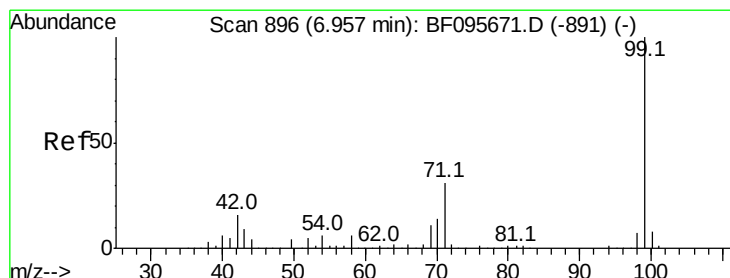
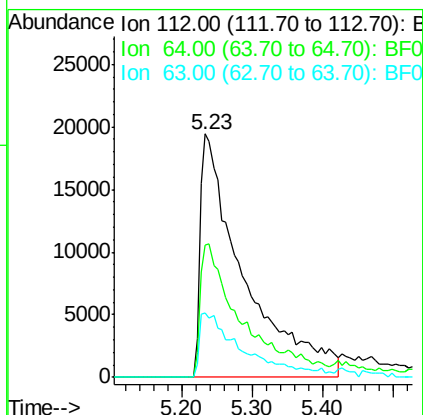
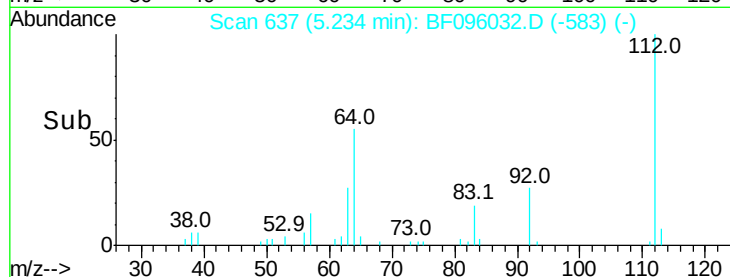
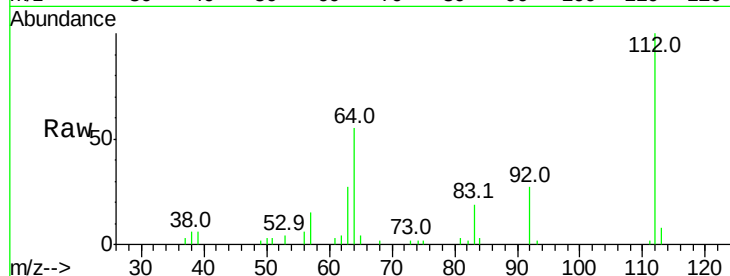




#5
 2-Fluorophenol
 Concen: 17.59 ng
 RT: 5.23 min Scan# 637
 Delta R.T. 0.02 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

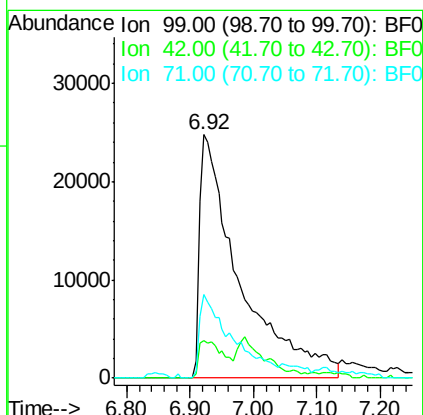
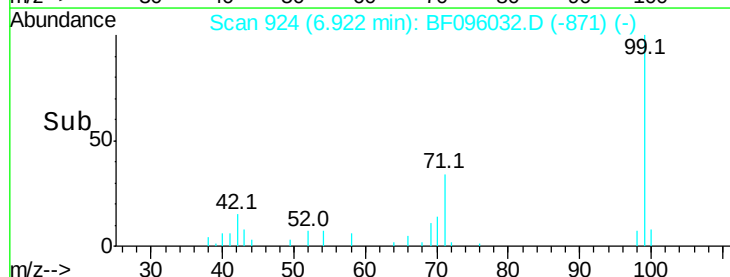
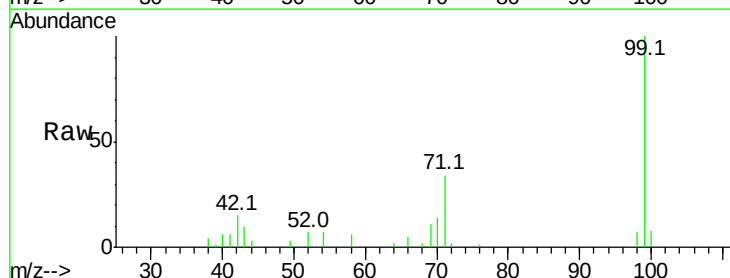
Instrument :
 BNA_F
 ClientSampleId :

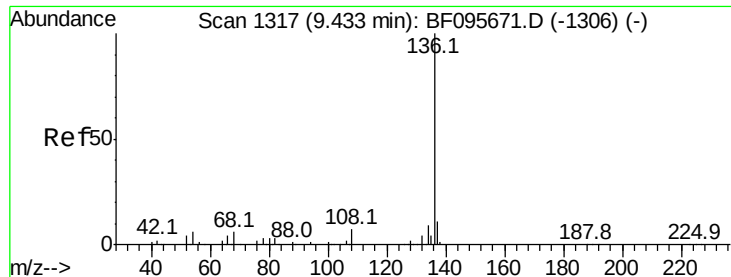
Tot Ion:	112	Resp:	83288
Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.5	23.4	35.0



#7
 Phenol-d6
 Concen: 19.21 ng
 RT: 6.92 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

Tgt Ion:	99	Resp:	108892
Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	34.4	24.5	36.7

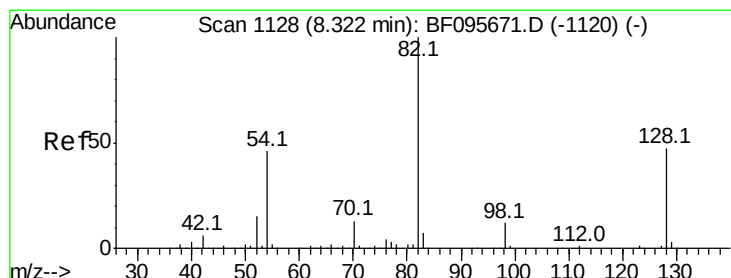
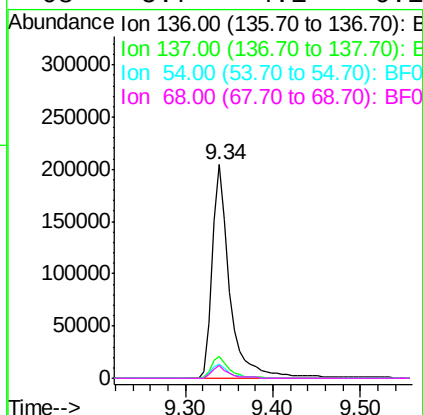
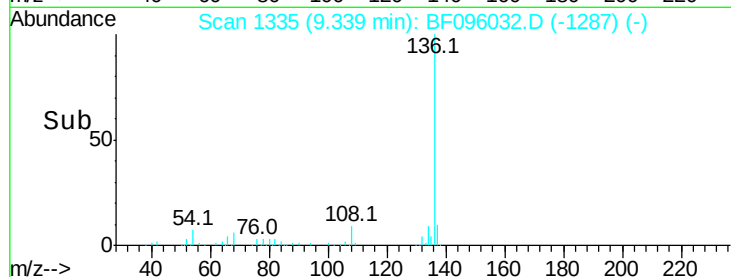
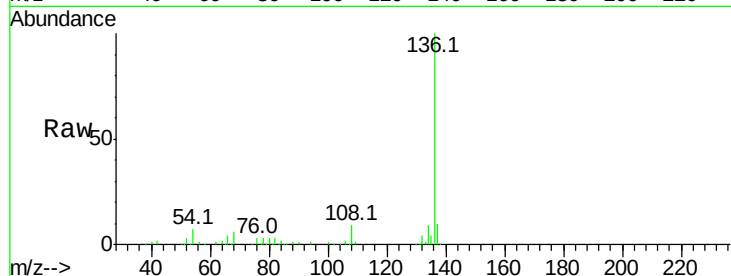




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.34 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

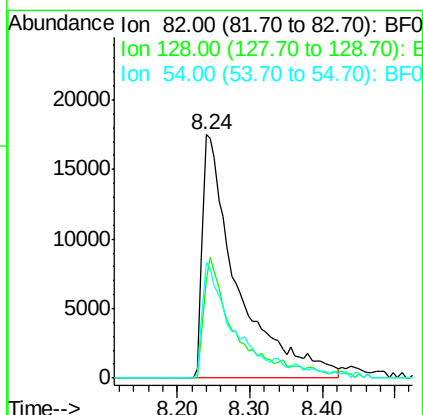
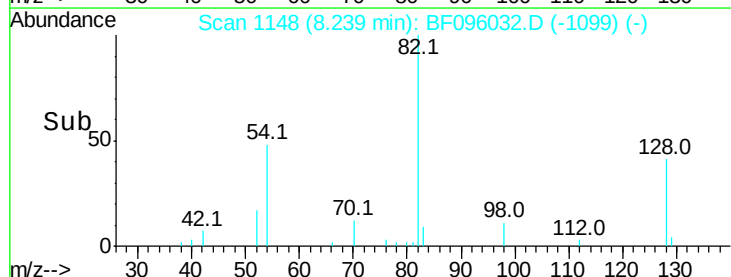
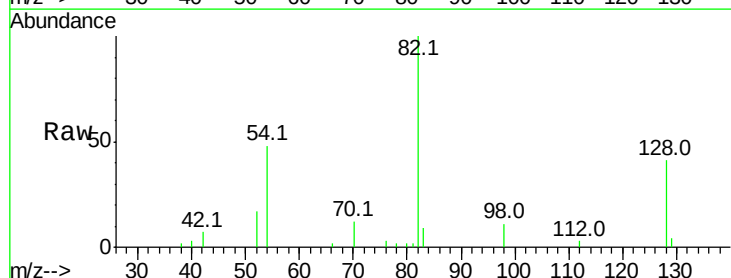
Instrument :
BNA_F
ClientSampleId :

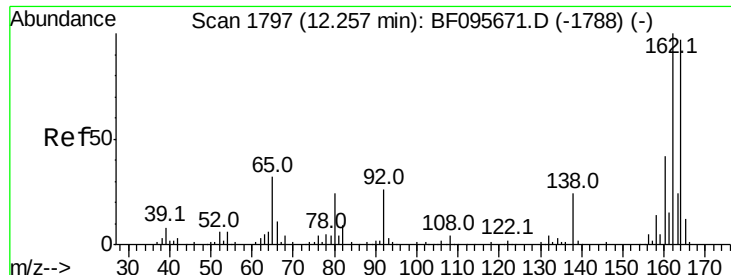
Tot Ion:136	Resp:	286860
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	6.8	4.9 7.3
68	5.7	4.1 6.1



#23
Nitrobenzene-d5
Concen: 12.75 ng
RT: 8.24 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Tgt Ion: 82	Resp:	58888
Ion Ratio	Lower	Upper
82	100	
128	40.8	34.0 51.0
54	47.5	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.16 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

Instrument :

BNA_F

ClientSampleId :

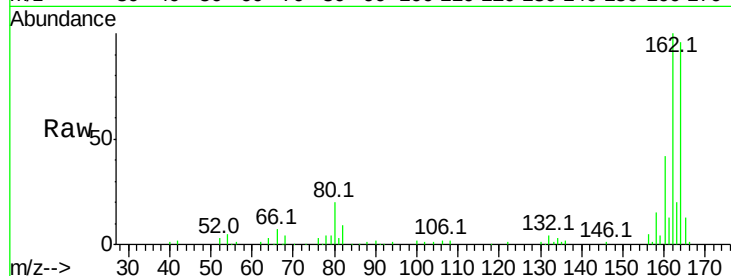
Tot Ion:164 Resp: 111608

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

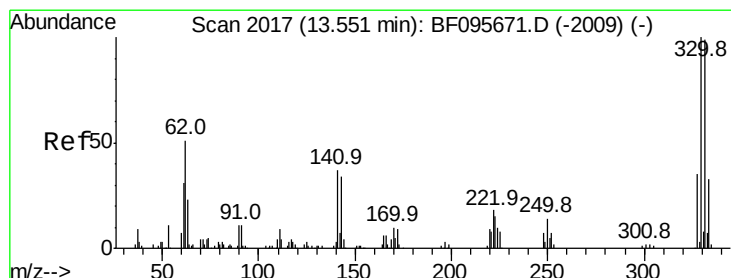
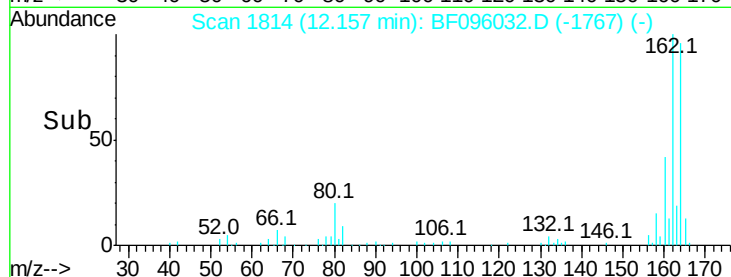
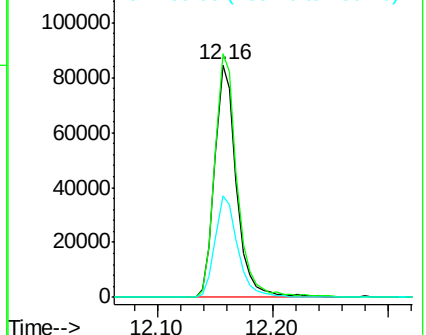
160 43.6 36.2 54.2



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: 15.13 ng

RT: 13.47 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

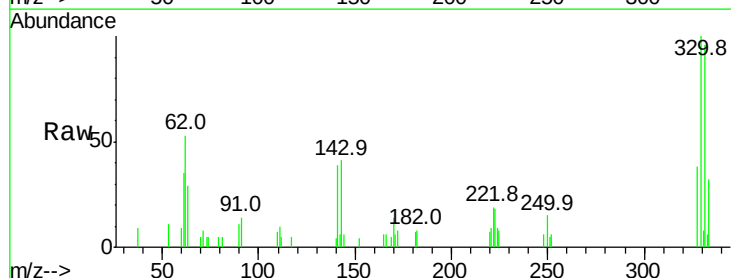
Tgt Ion:330 Resp: 14944

Ion Ratio Lower Upper

330 100

332 100.9 76.6 115.0

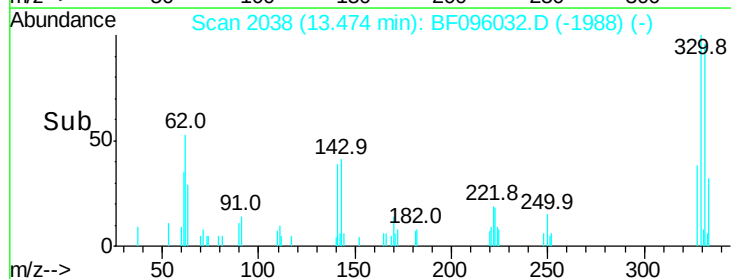
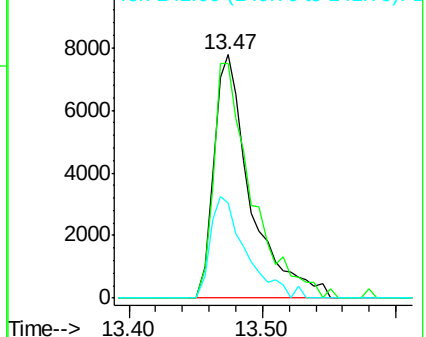
141 40.4 31.4 47.2

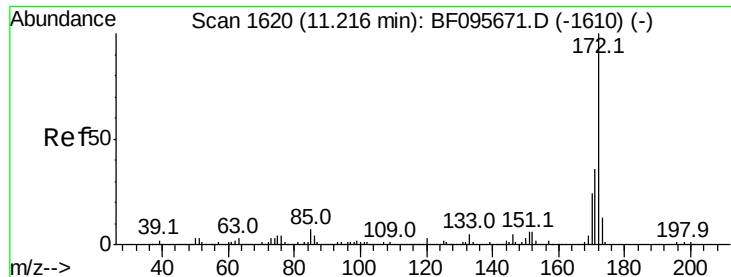


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

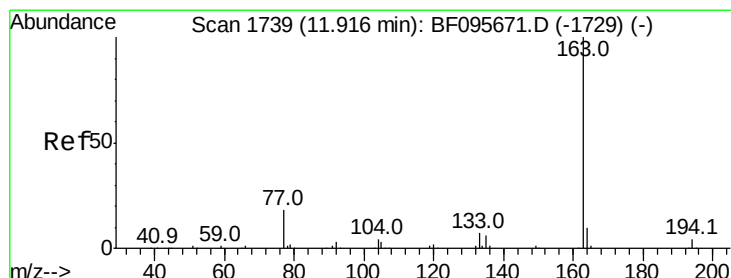
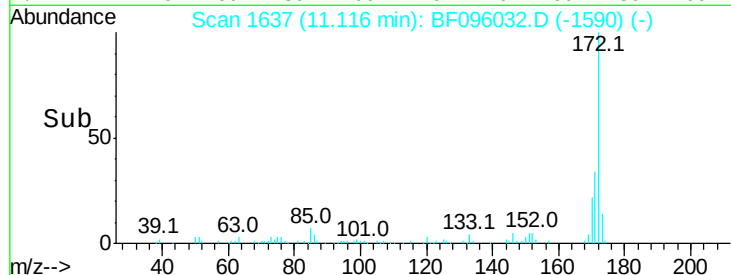
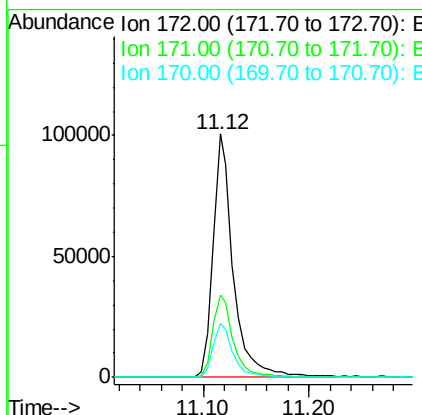
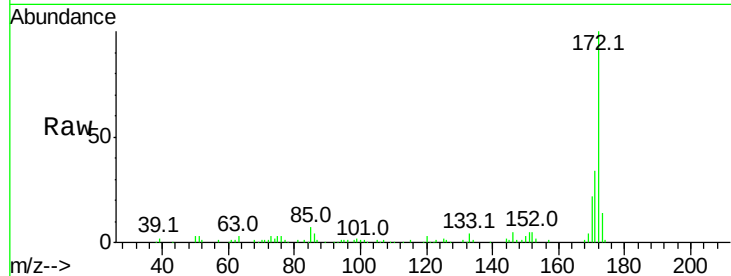




#44
2-Fluorobiphenyl
Concen: 17.02 ng
RT: 11.12 min Scan# 1637
Delta R.T. -0.02 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

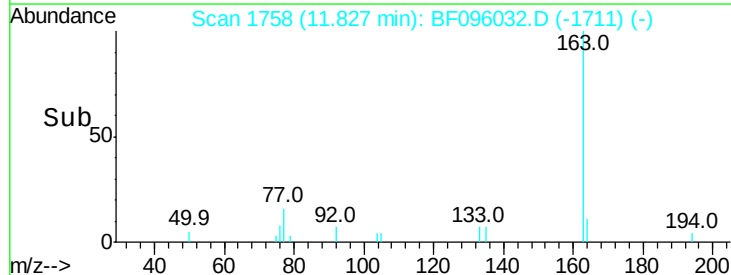
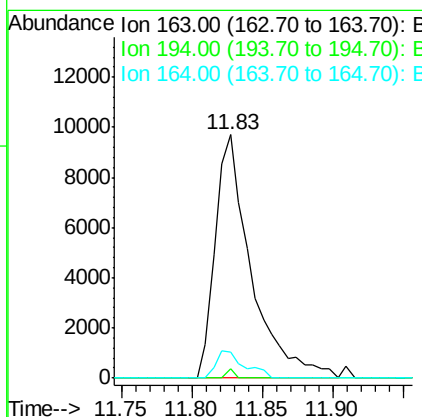
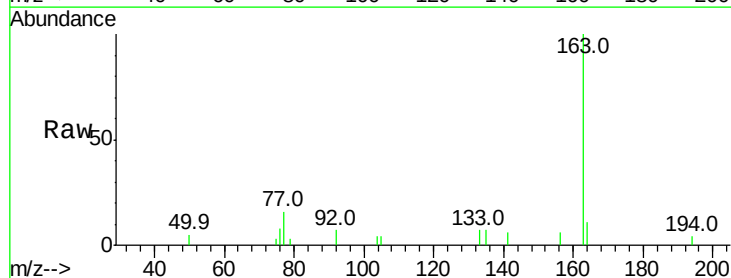
Instrument :
BNA_F
ClientSampled :

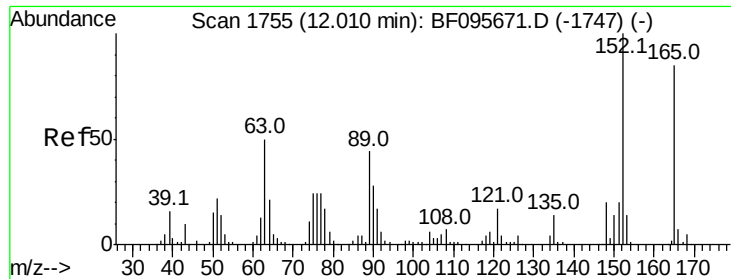
Tot Ion:172 Resp: 136511
Ion Ratio Lower Upper
172 100
171 33.8 29.6 44.4
170 22.5 19.8 29.8



#49
Dimethylphthalate
Concen: 2.03 ng
RT: 11.83 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Tgt Ion:163 Resp: 17164
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.6 8.4 12.6

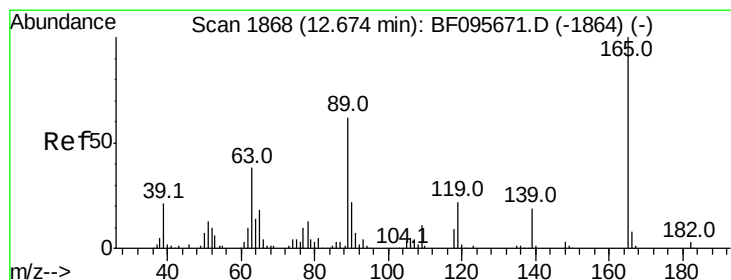
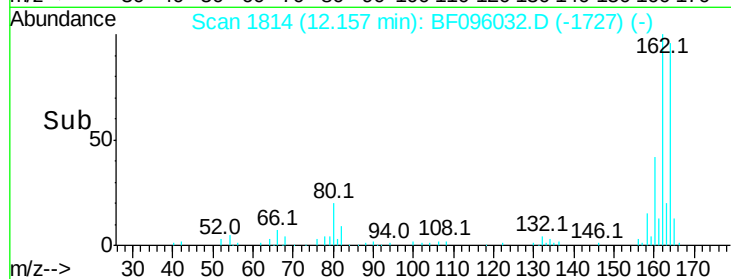
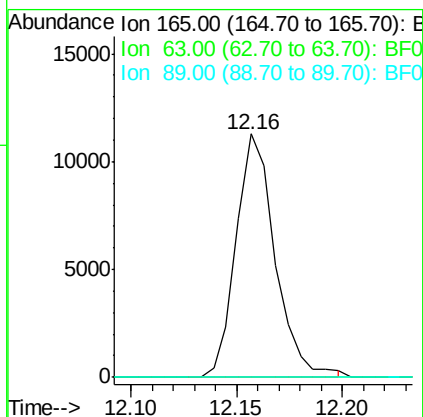
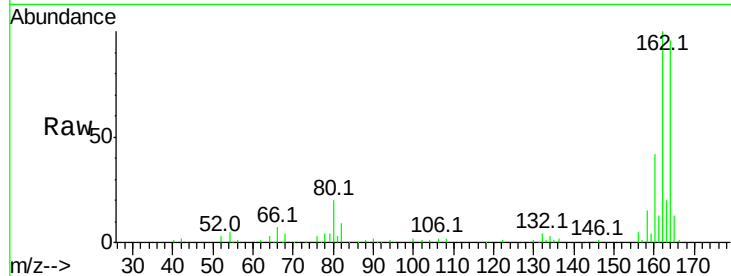




#50
 2,6-Dinitrotoluene
 Concen: 7.84 ng
 RT: 12.16 min Scan# 1814
 Delta R.T. 0.21 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

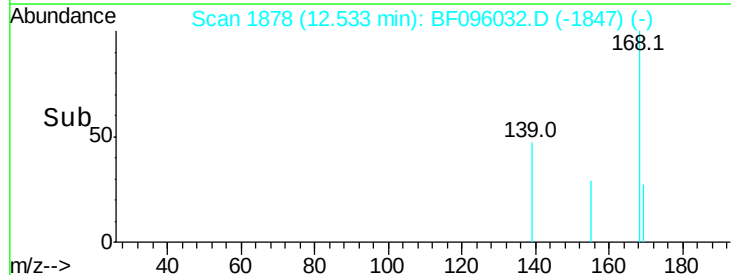
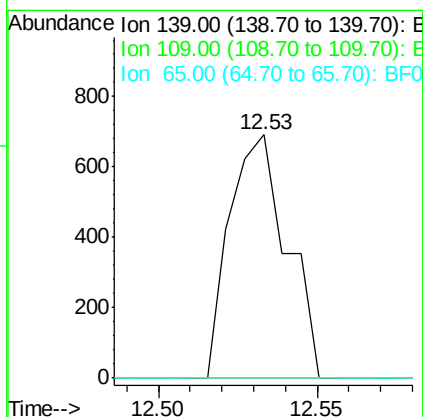
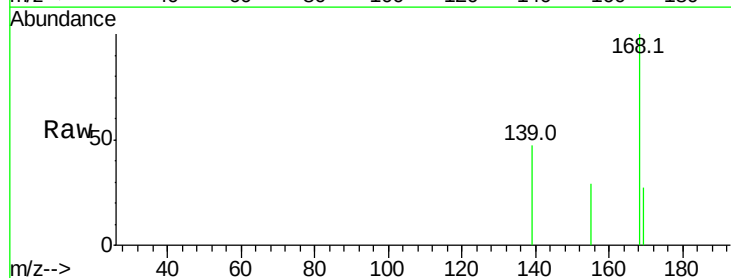
Instrument :
 BNA_F
 ClientSampleId :

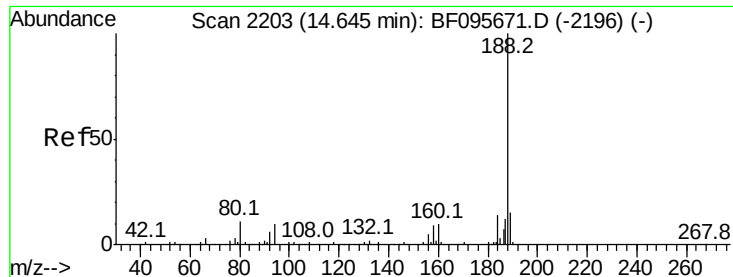
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 5.27 ng
 RT: 12.53 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

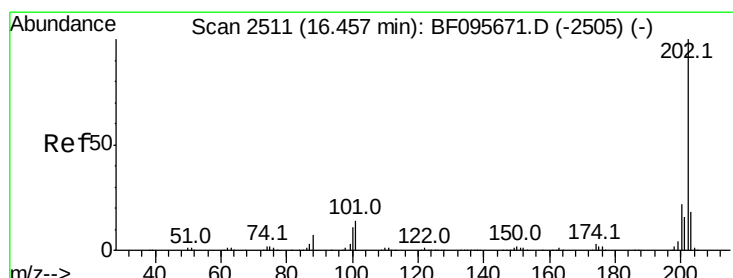
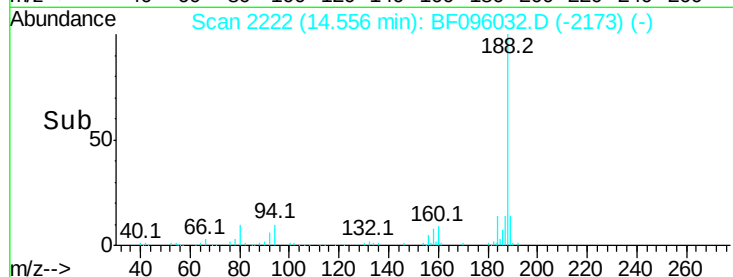
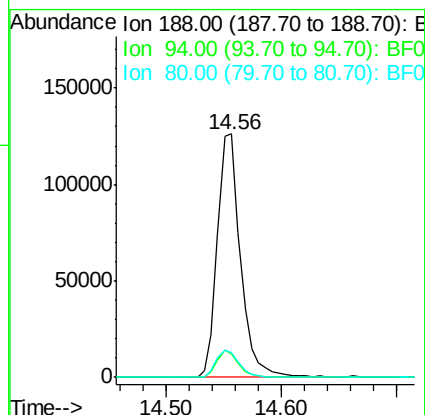
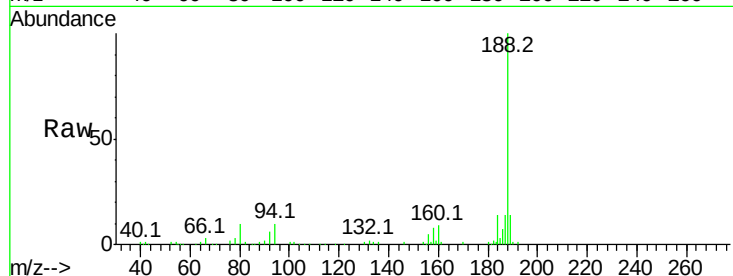




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

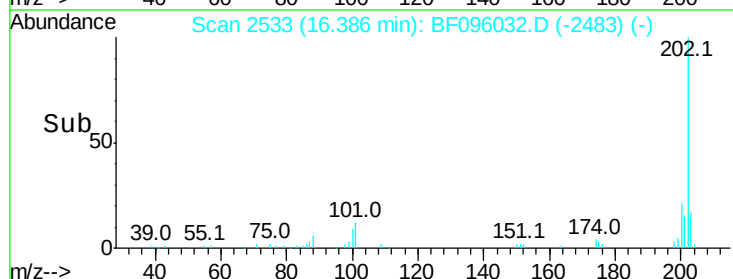
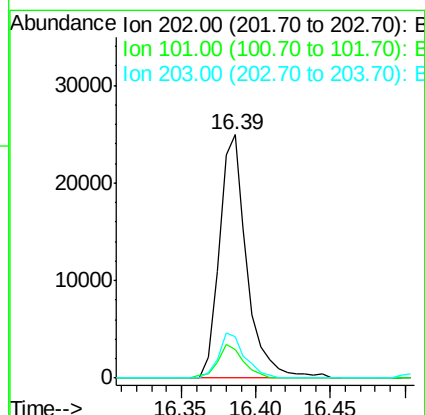
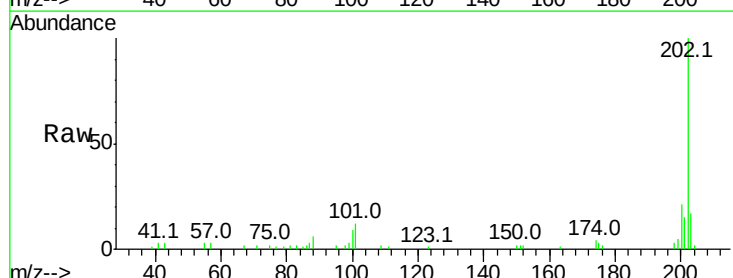
Instrument :
BNA_F
ClientSampleId :

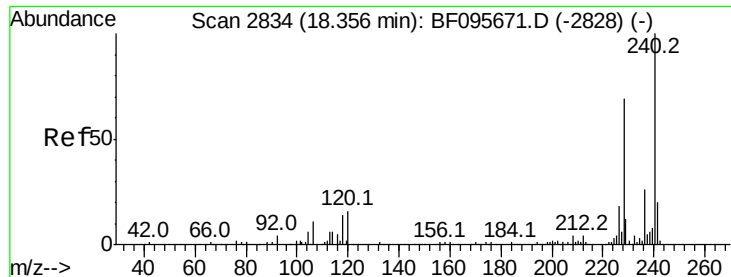
Tot Ion:188 Resp: 175819
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 10.1 10.2 15.2#



#74
Fluoranthene
Concen: 3.20 ng
RT: 16.39 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Tgt Ion:202 Resp: 32117
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.28 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

Instrument :

BNA_F

ClientSampleId :

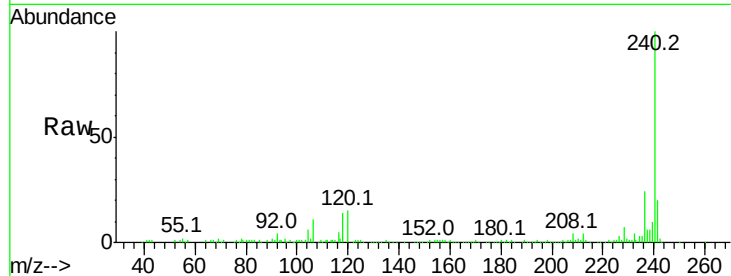
Tot Ion:240 Resp: 142656

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

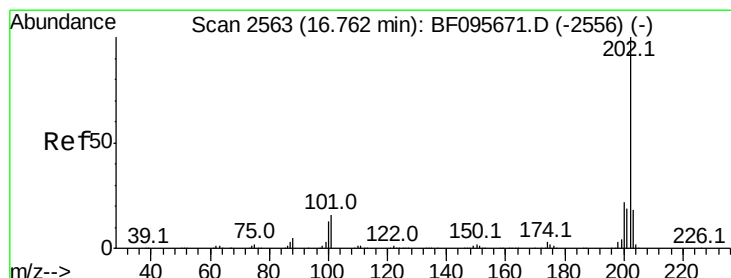
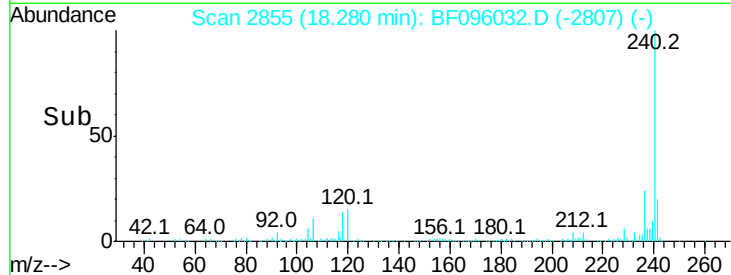
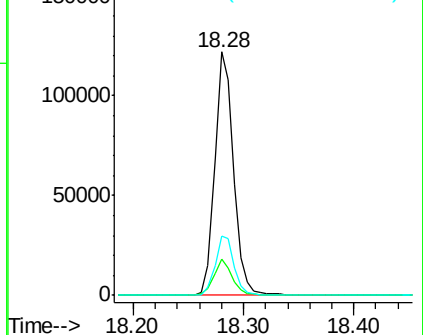
236 24.4 20.5 30.7



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: 2.97 ng

RT: 16.69 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

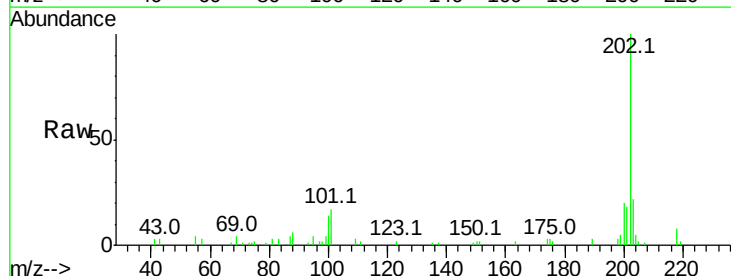
Tgt Ion:202 Resp: 31652

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

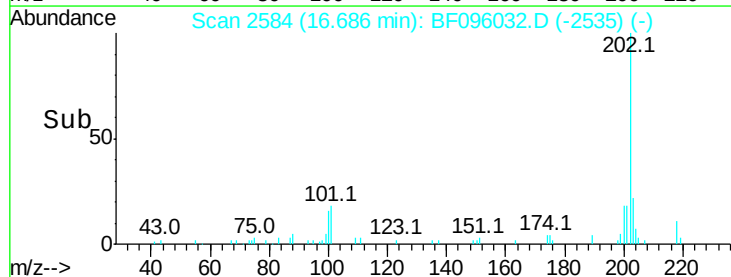
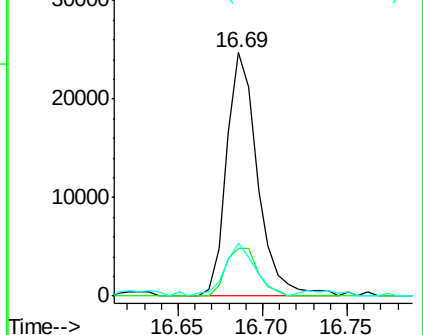
203 21.8 14.4 21.6#

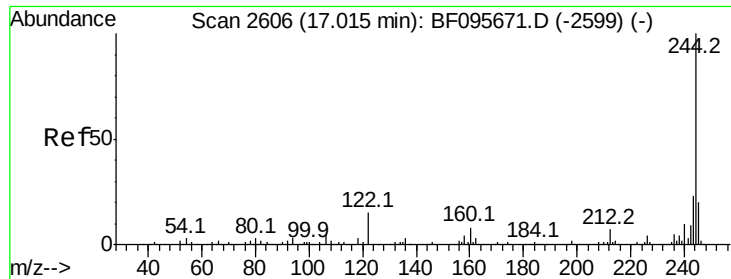


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

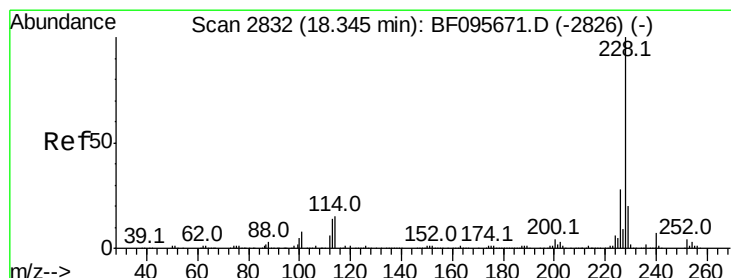
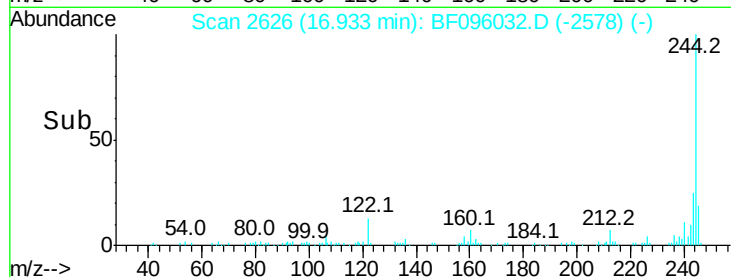
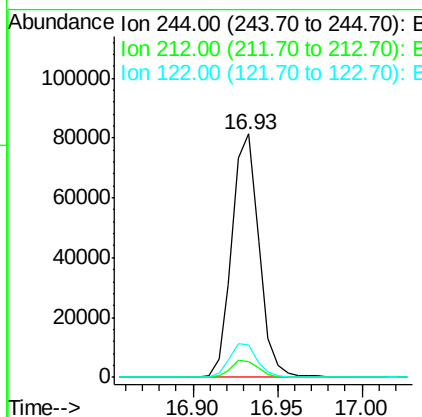
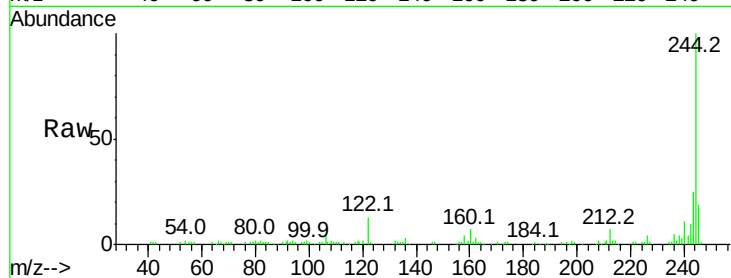




#78
 Terphenyl-d14
 Concen: 15.81 ng
 RT: 16.93 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

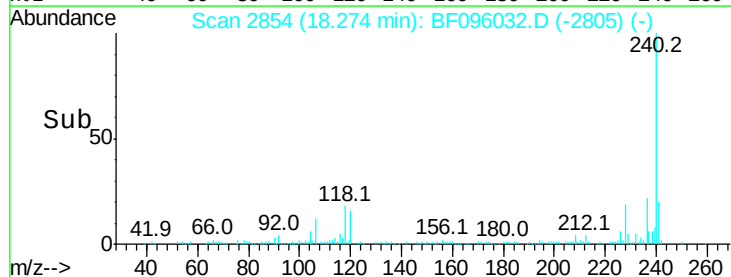
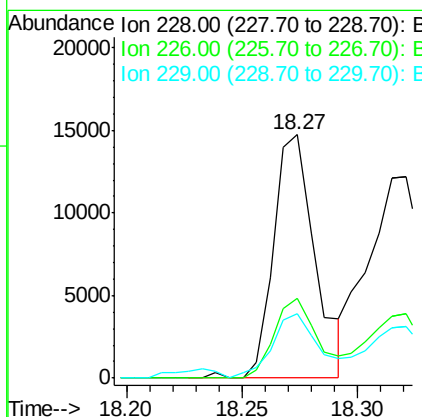
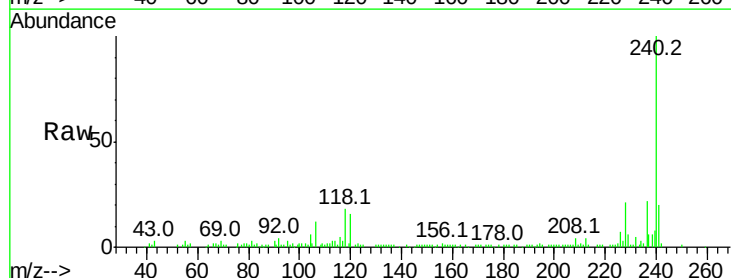
Instrument :
 BNA_F
 ClientSampleId :

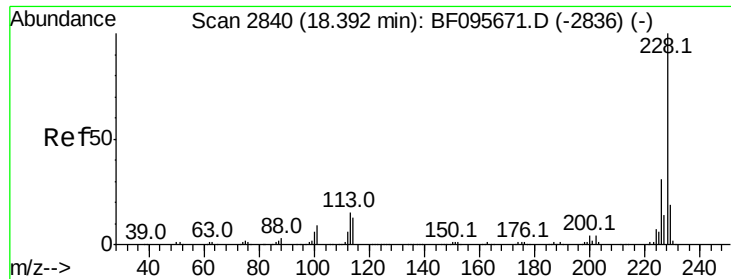
Tot Ion:244 Resp: 90895
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.21 ng
 RT: 18.27 min Scan# 2854
 Delta R.T. -0.01 min
 Lab File: BF096032.D
 Acq: 20 Jun 2017 7:24

Tgt Ion:228 Resp: 18366
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.6 33.8
 229 26.5 16.3 24.5#

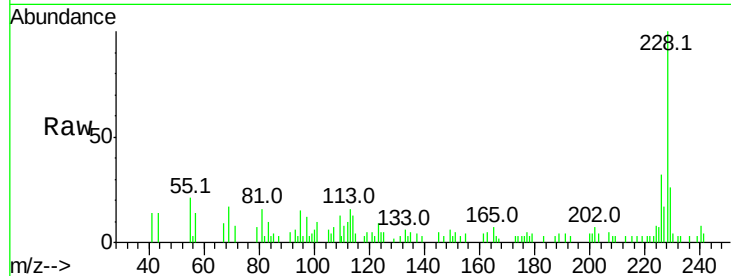




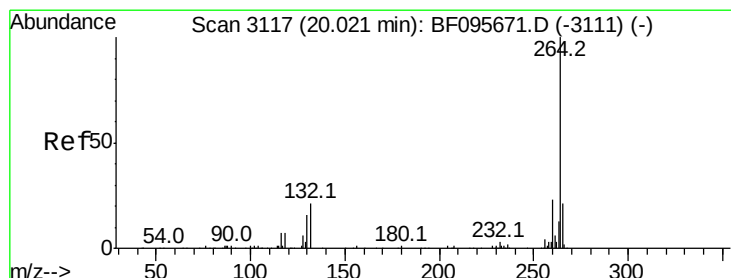
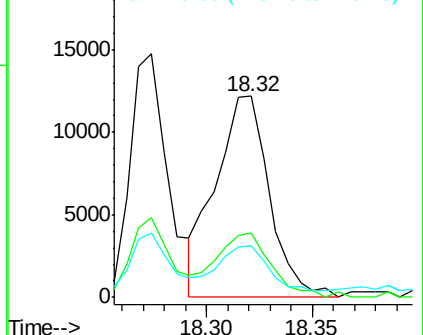
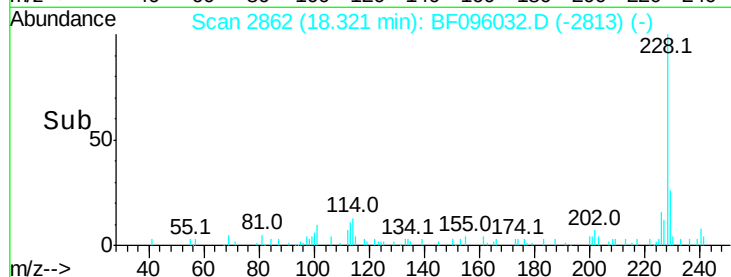
#82
Chrysene
Concen: 2.60 ng
RT: 18.32 min Scan# 2862
Delta R.T. -0.01 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 21576
Ion Ratio Lower Upper
228 100
226 32.1 24.9 37.3
229 25.8 15.8 23.6#

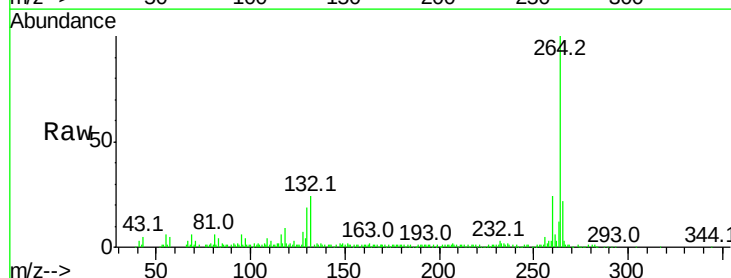


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

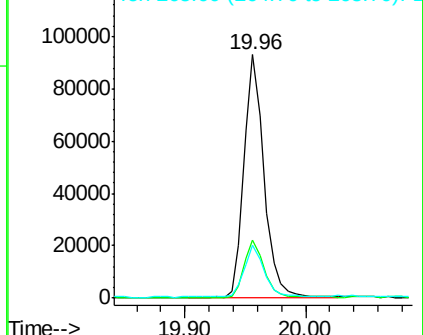
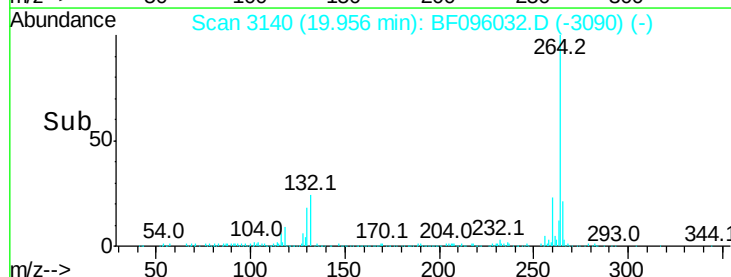


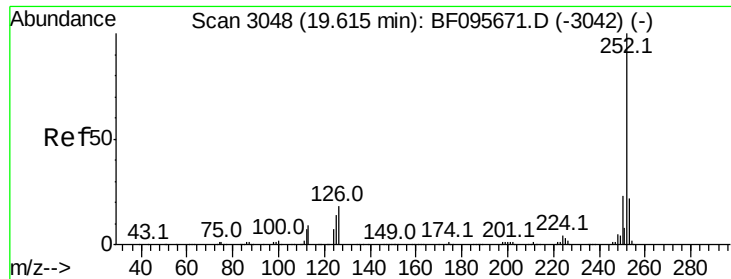
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BF096032.D
Acq: 20 Jun 2017 7:24

Tgt Ion:264 Resp: 109621
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.8 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: 5.11 ng

RT: 19.56 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BF096032.D

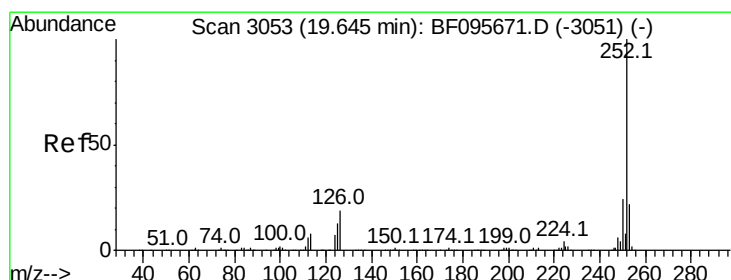
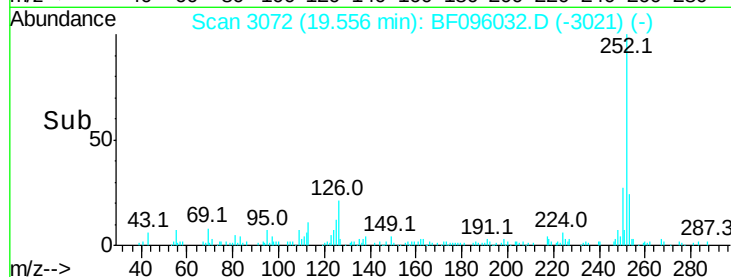
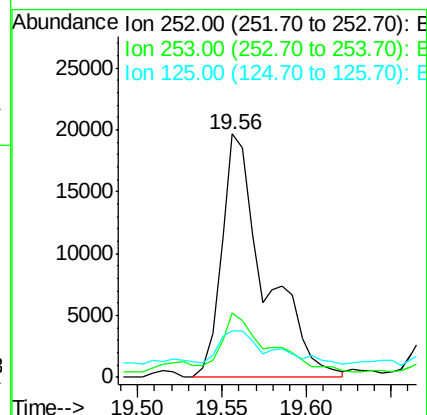
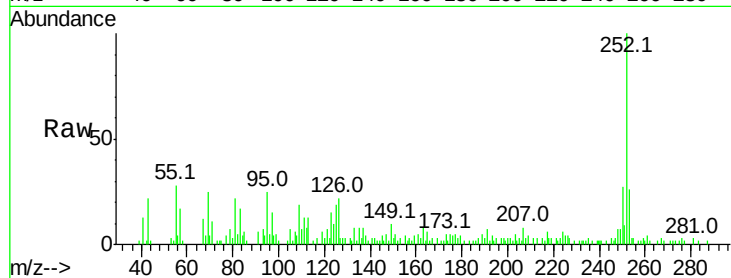
Acq: 20 Jun 2017 7:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	35095
Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	19.1	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 5.35 ng

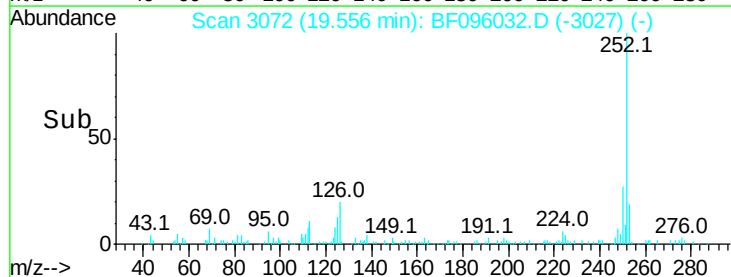
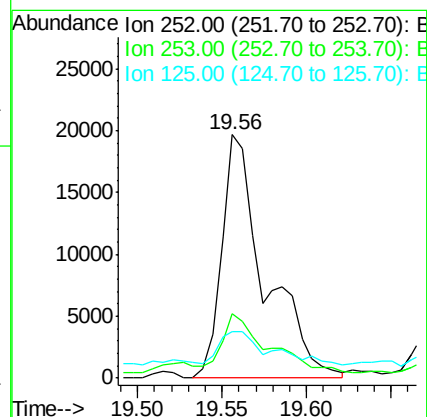
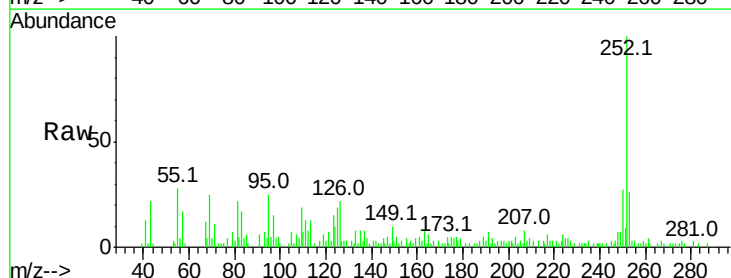
RT: 19.56 min Scan# 3072

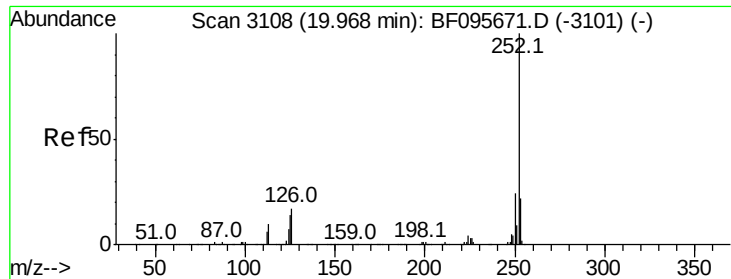
Delta R.T. -0.04 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

Tgt Ion:	252	Resp:	35095
Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.4	27.6
125	19.1	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.08 ng

RT: 19.91 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BF096032.D

Acq: 20 Jun 2017 7:24

Instrument :

BNA_F

ClientSampleId :

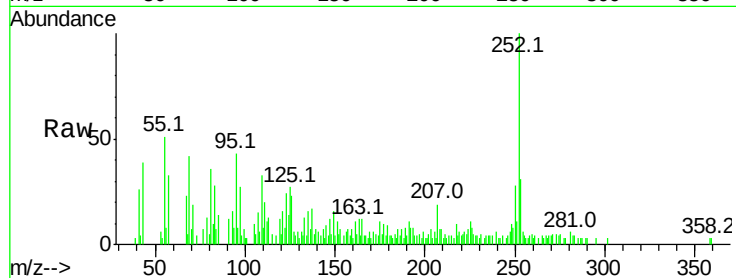
Tot Ion: 252 Resp: 13092

Ion Ratio Lower Upper

252 100

253 31.0 17.5 26.3#

125 26.8 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

