

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095966.D
 Acq On : 16 Jun 2017 20:50
 Operator : SJ/MA
 Sample : I3689-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 16 23:06:28 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

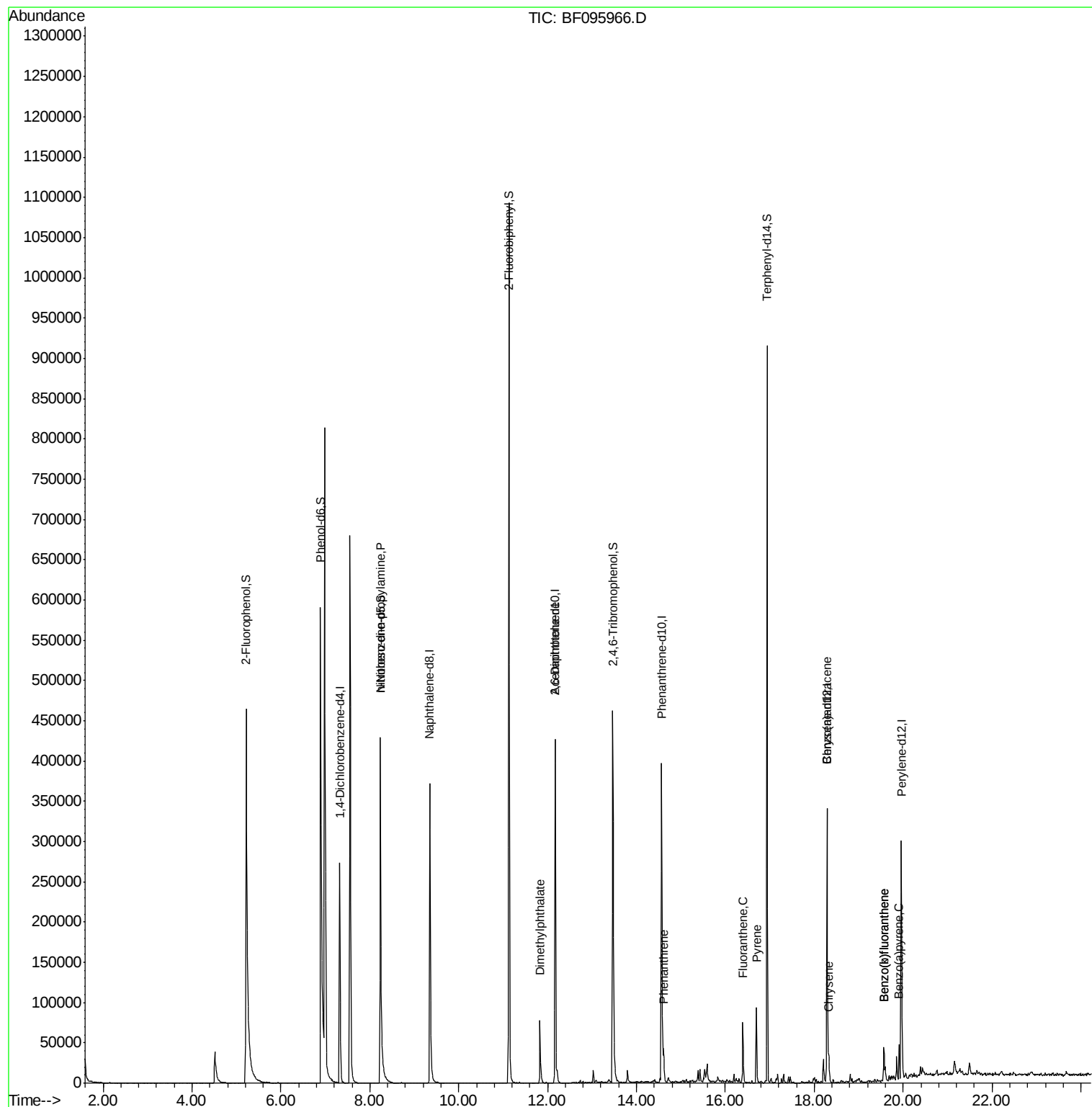
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	70106	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	291251	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	125879	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	211394	20.00	ng	0.00
75) Chrysene-d12	18.29	240	140289	20.00	ng	-0.01
86) Perylene-d12	19.96	264	144689	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	370418	84.19	ng	0.00
7) Phenol-d6	6.89	99	453740	86.15	ng	-0.02
23) Nitrobenzene-d5	8.24	82	257100	54.82	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	89926	80.74	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	523617	57.89	ng	0.00
78) Terphenyl-d14	16.94	244	329592	58.31	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.24	70	31126	9.33	ng	# 81
49) Dimethylphthalate	11.83	163	60816	6.36	ng	98
50) 2,6-Dinitrotoluene	12.17	165	16010	7.68	ng	# 31
70) Phenanthrene	14.60	178	31547	2.59	ng	96
74) Fluoranthene	16.39	202	48540	4.02	ng	98
77) Pyrene	16.70	202	50384	4.81	ng	96
80) Benzo(a)anthracene	18.28	228	20391	2.50	ng	97
82) Chrysene	18.33	228	22976	2.82	ng	97
87) Benzo(b)fluoranthene	19.57	252	23919	2.64	ng	# 95
88) Benzo(k)fluoranthene	19.57	252	23919	2.76	ng	97
89) Benzo(a)pyrene	19.91	252	18631	2.24	ng	97

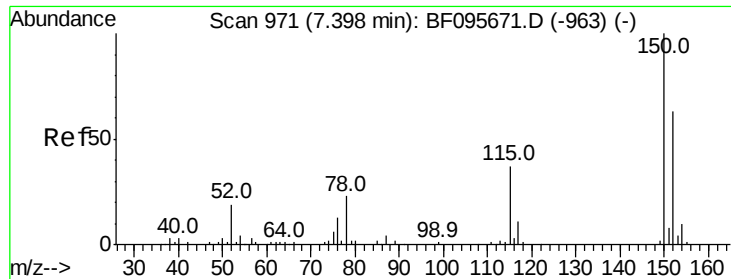
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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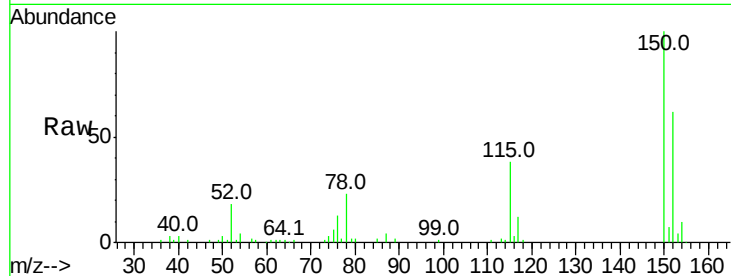


#1

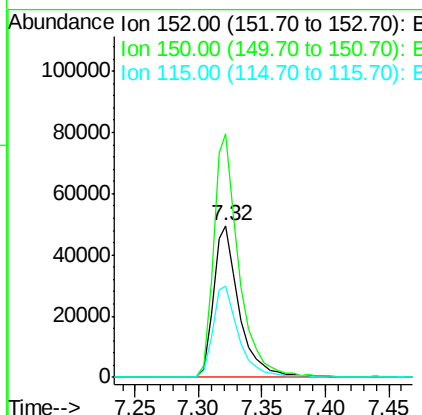
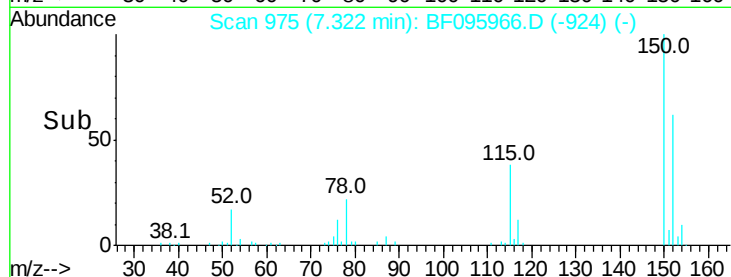
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.32 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 70106
 Ion Ratio Lower Upper
 152 100
 150 160.6 126.2 189.2
 115 60.7 52.2 78.2



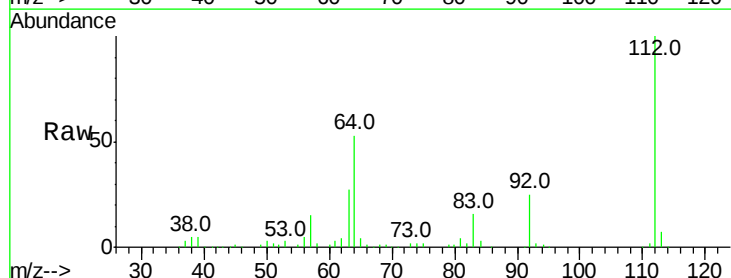
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



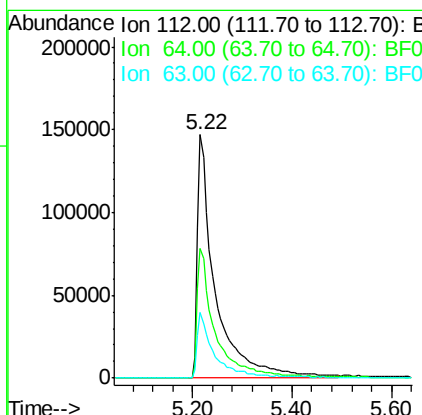
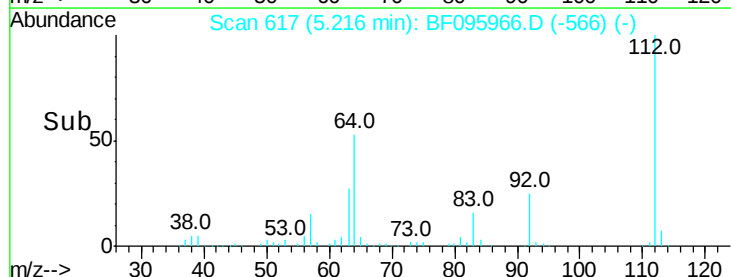
#5

2-Fluorophenol
 Concen: 84.19 ng
 RT: 5.22 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

Tgt Ion:112 Resp: 370418
 Ion Ratio Lower Upper
 112 100
 64 53.4 46.0 69.0
 63 27.0 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: 86.15 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095966.D

Acq: 16 Jun 2017 20:50

Instrument :

BNA_F

ClientSampleId :

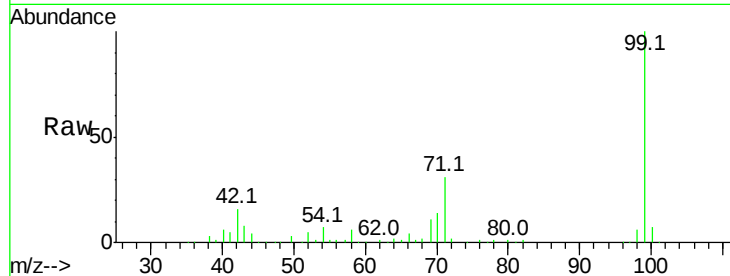
Tot Ion: 99 Resp: 453740

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

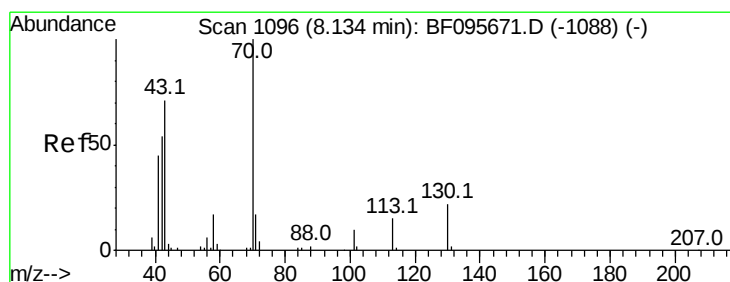
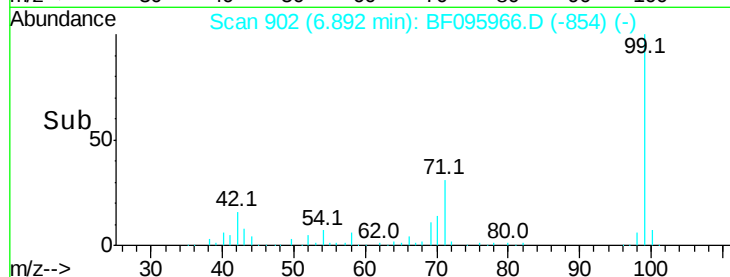
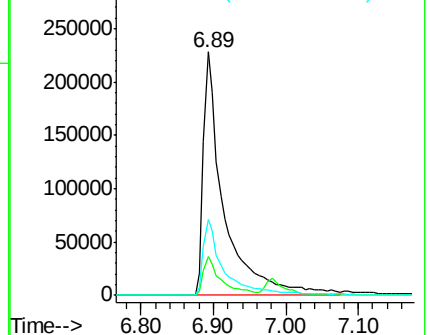
71 31.0 24.5 36.7



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: 9.33 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095966.D

Acq: 16 Jun 2017 20:50

Tgt Ion: 70 Resp: 31126

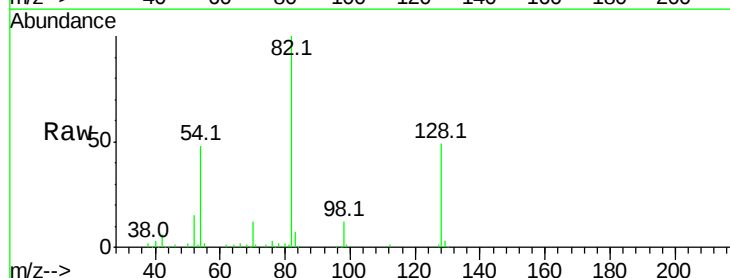
Ion Ratio Lower Upper

70 100

42 50.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

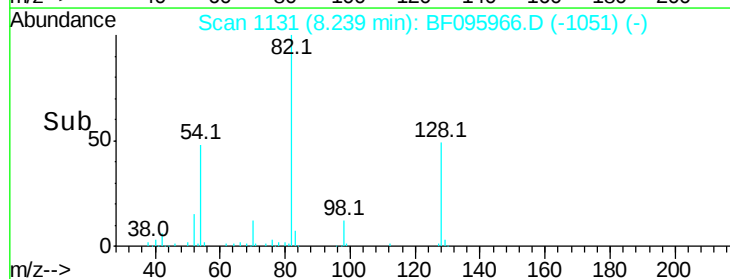
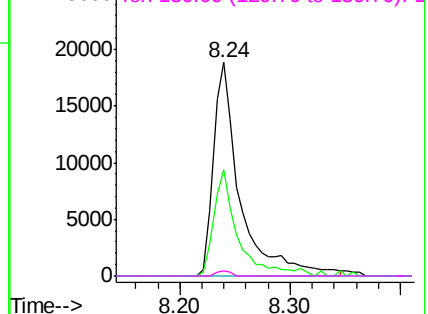


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

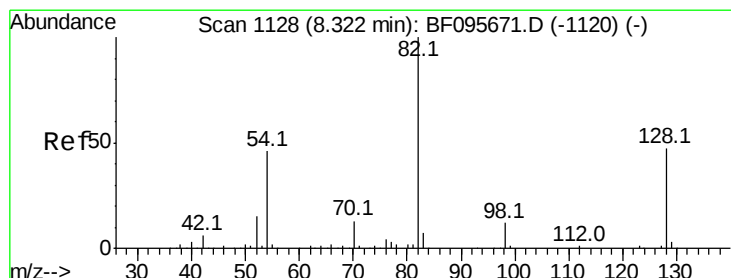
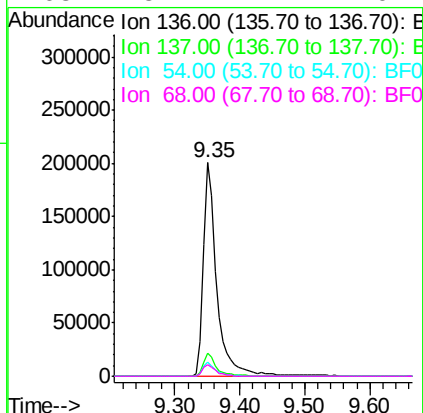
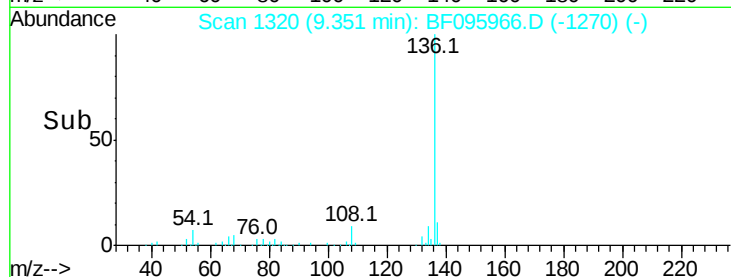
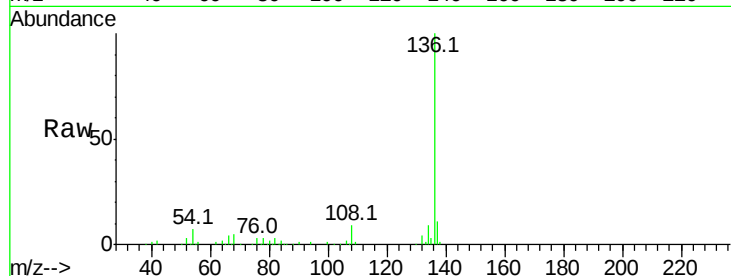




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.35 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

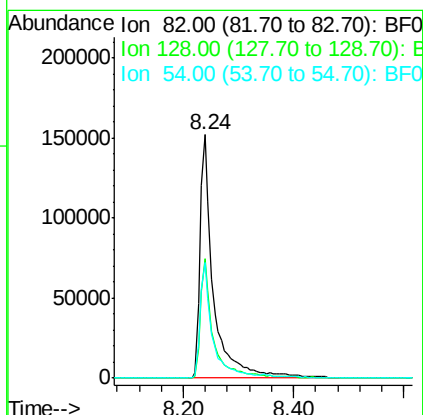
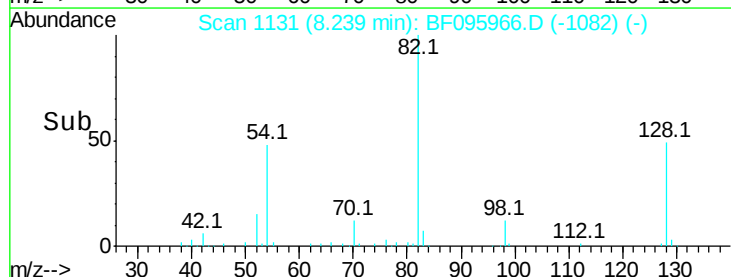
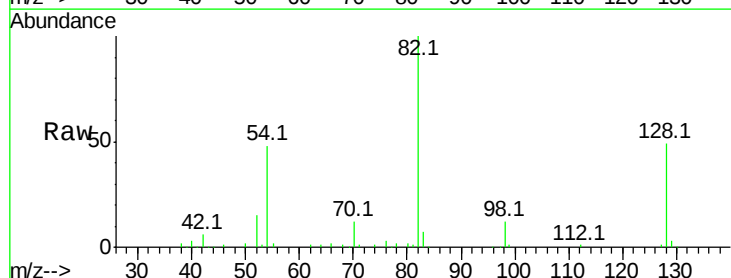
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	291251
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	6.7	4.9 7.3
68	5.1	4.1 6.1



#23
Nitrobenzene-d5
Concen: 54.82 ng
RT: 8.24 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion: 82	Resp:	257100
Ion	Ratio	Lower Upper
82	100	
128	49.2	34.0 51.0
54	47.7	42.2 63.2

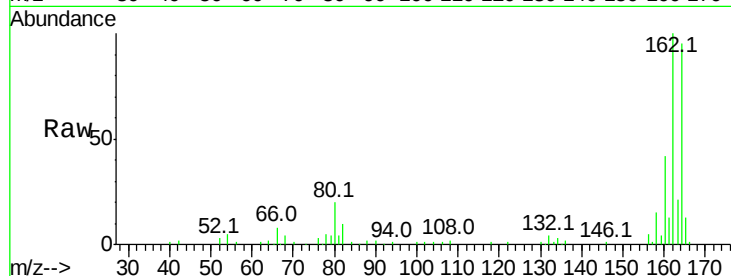




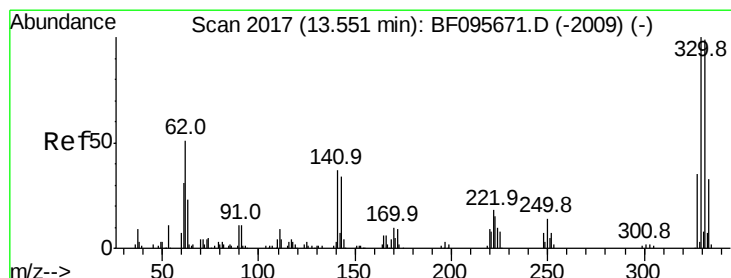
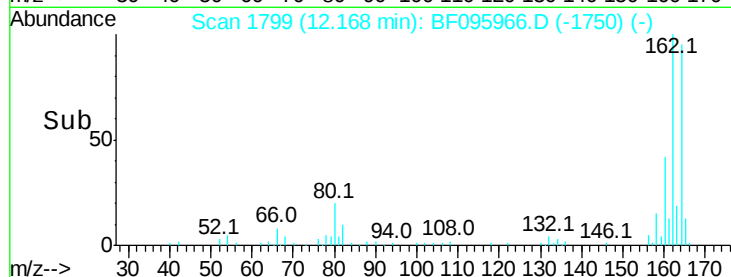
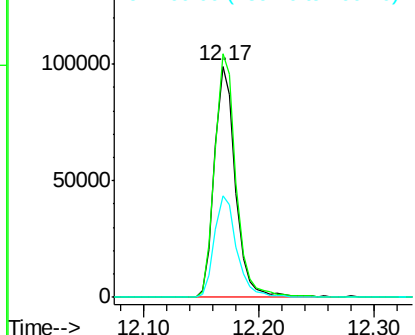
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.17 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 125879
Ion Ratio Lower Upper
164 100
162 105.3 82.6 123.8
160 44.1 36.2 54.2

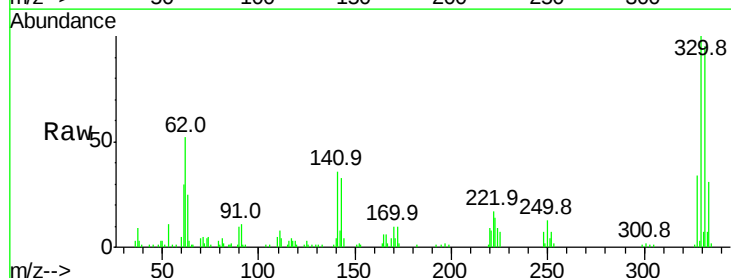


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

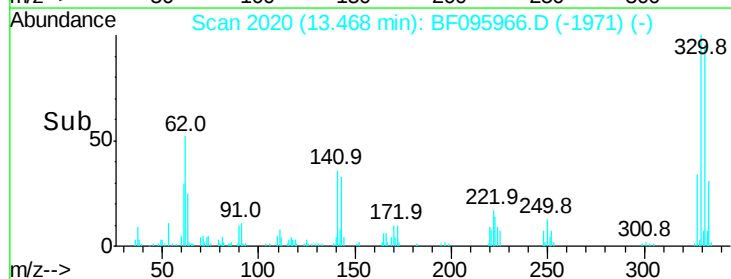
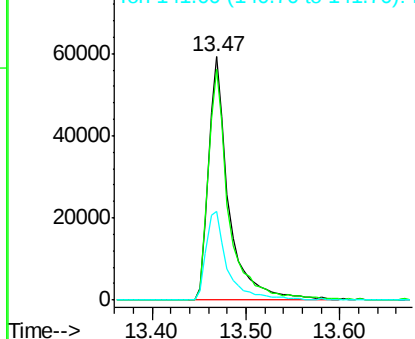


#41
2,4,6-Tribromophenol
Concen: 80.74 ng
RT: 13.47 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion:330 Resp: 89926
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 37.9 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

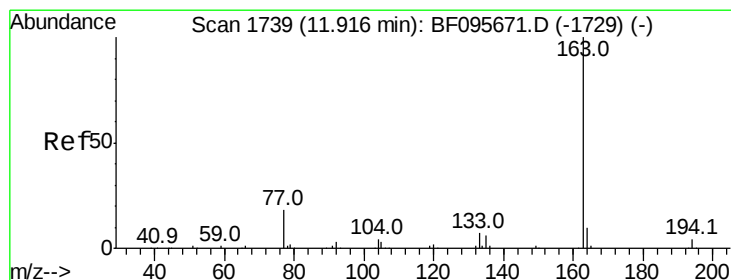
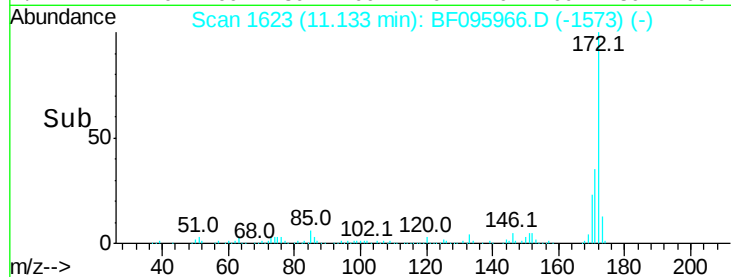
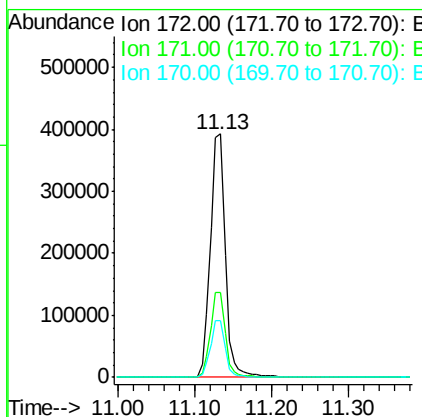
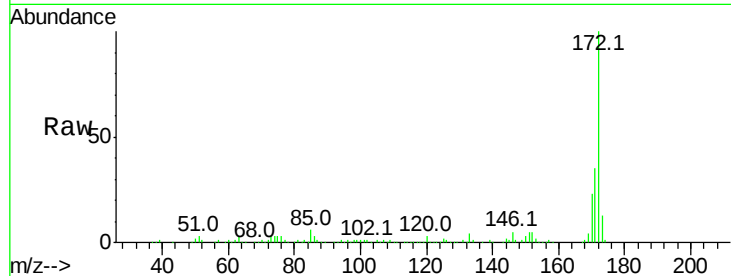




#44
2-Fluorobiphenyl
Concen: 57.89 ng
RT: 11.13 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

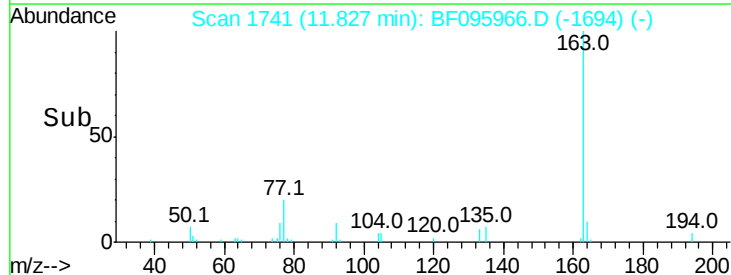
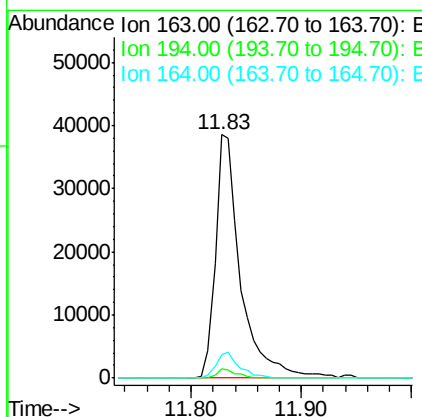
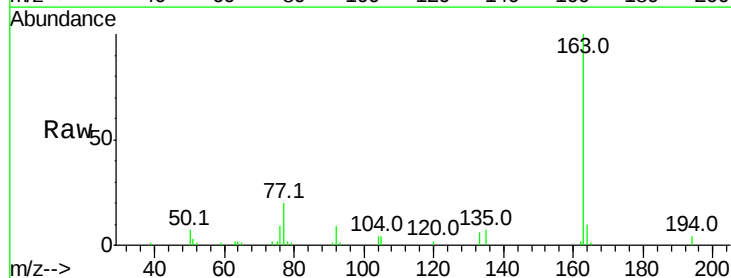
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 523617
Ion Ratio Lower Upper
172 100
171 34.7 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 6.36 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion:163 Resp: 60816
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.8 8.4 12.6

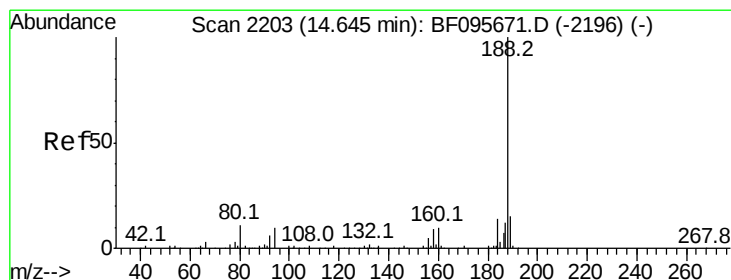
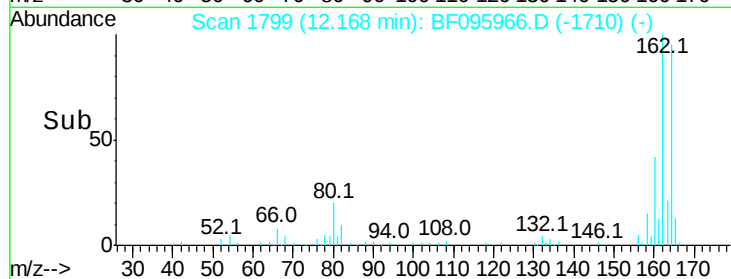
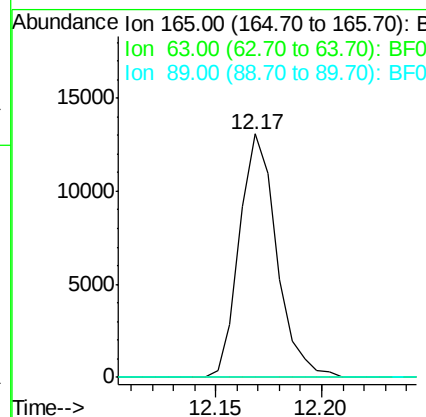
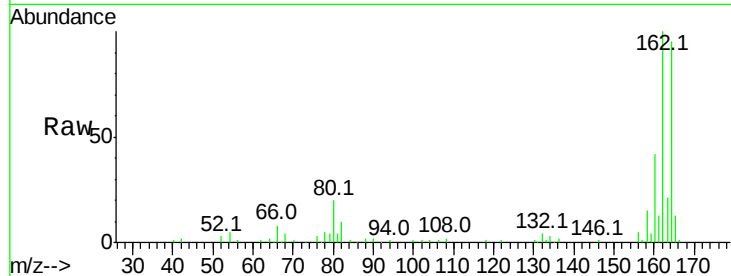




#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 12.17 min Scan# 1799
 Delta R.T. 0.22 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

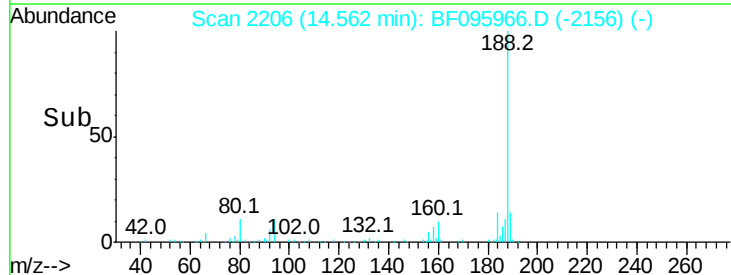
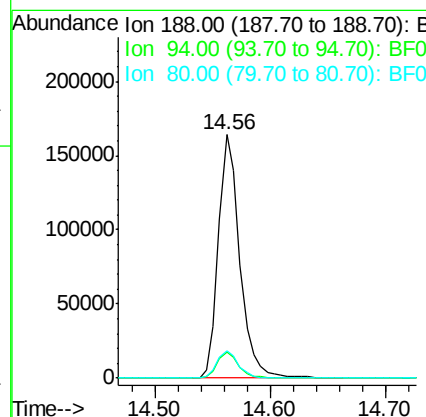
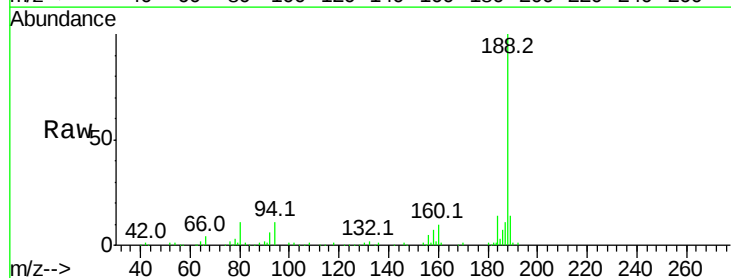
Instrument :
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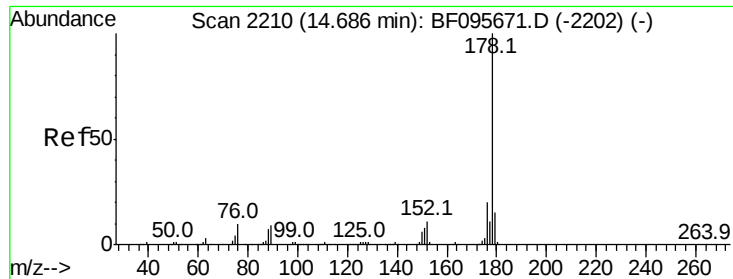
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.4	10.2	15.2

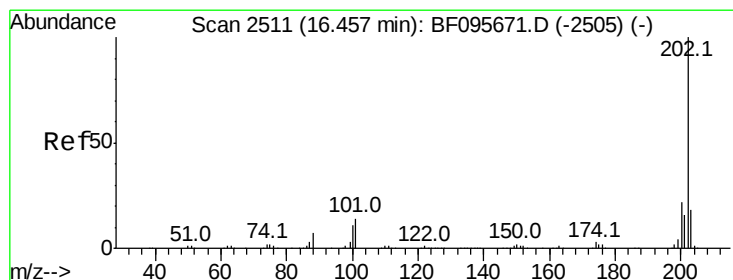
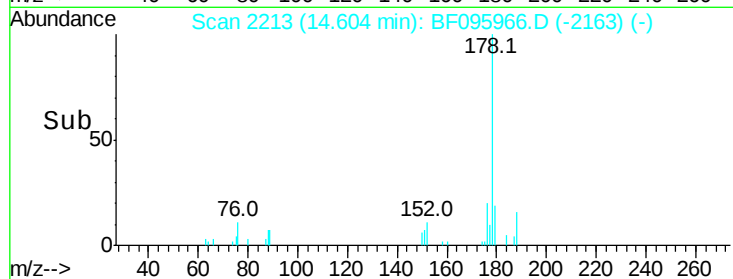
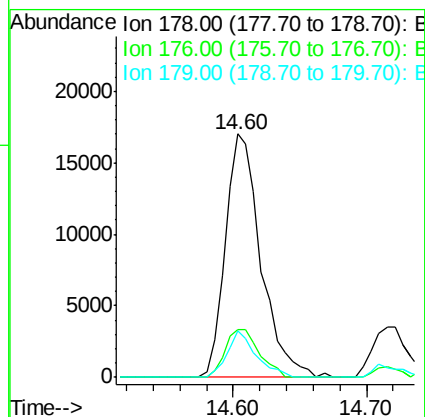
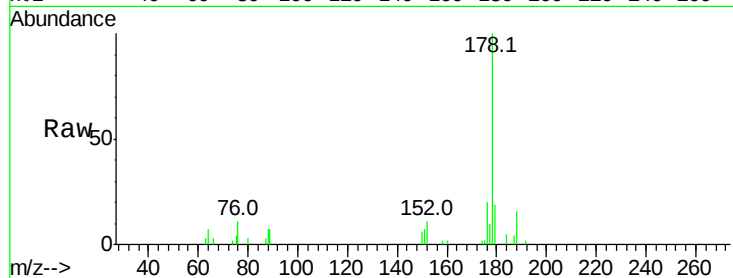




#70
Phenanthrene
Concen: 2.59 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

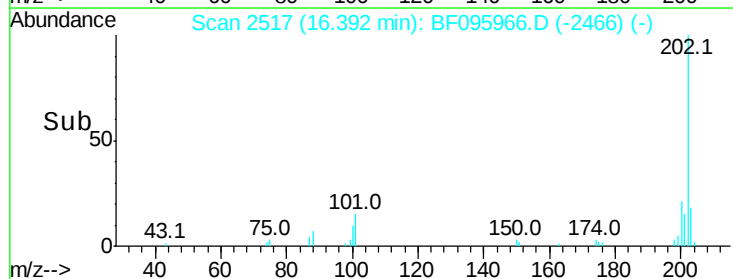
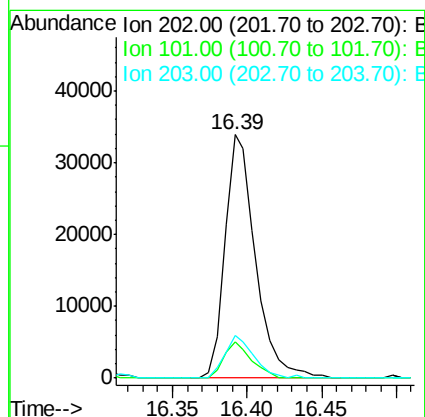
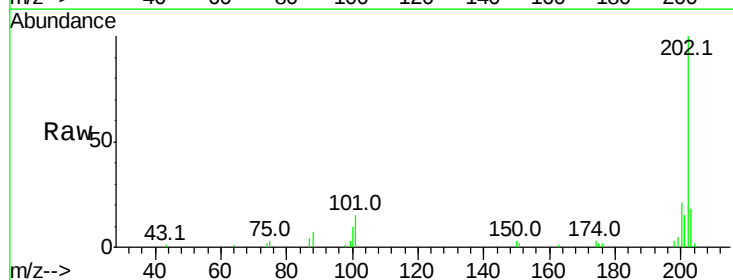
Instrument :
BNA_F
ClientSampleId :

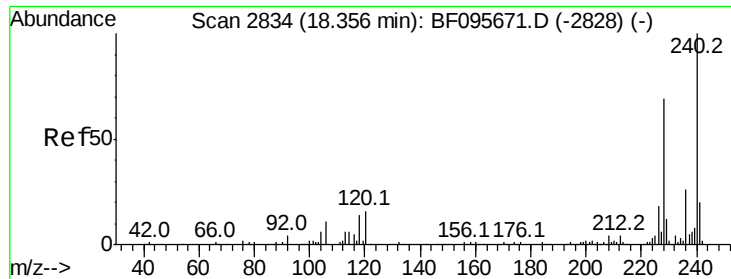
Tot Ion:178 Resp: 31547
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 18.9 12.6 19.0



#74
Fluoranthene
Concen: 4.02 ng
RT: 16.39 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion:202 Resp: 48540
Ion Ratio Lower Upper
202 100
101 15.0 0.0 33.2
203 17.8 0.0 38.1

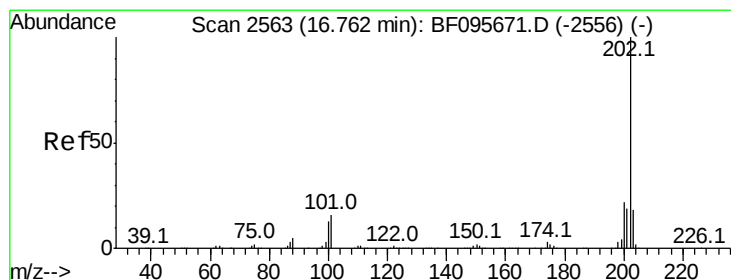
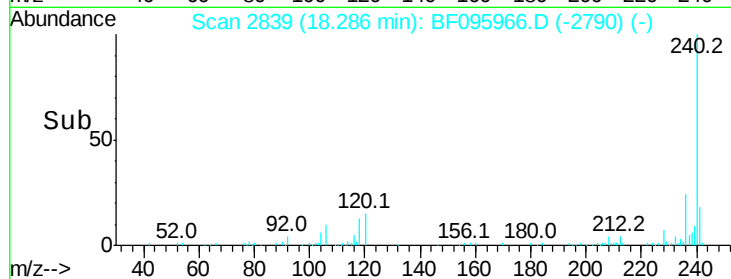
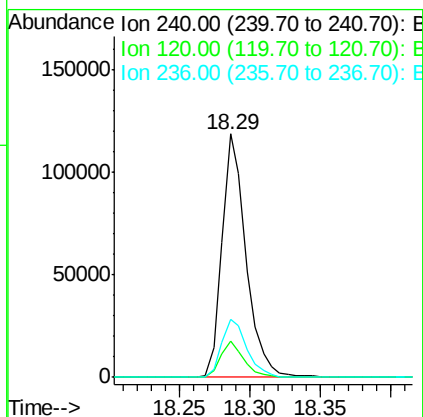
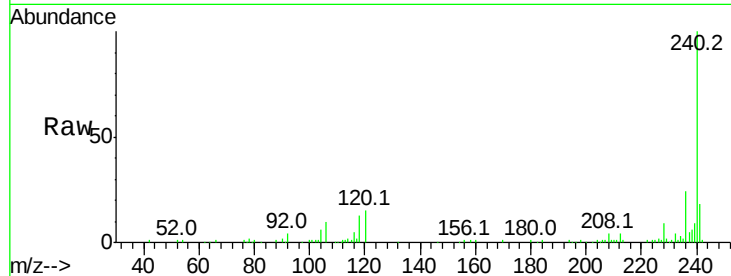




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

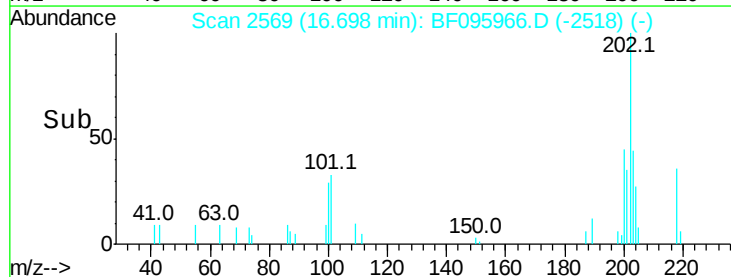
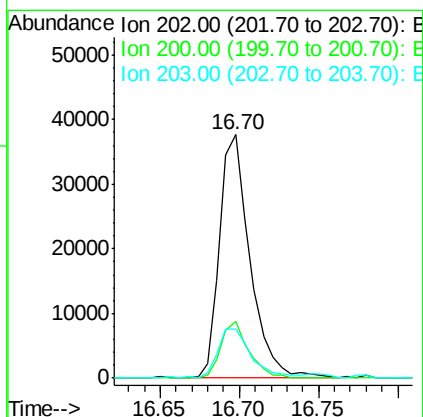
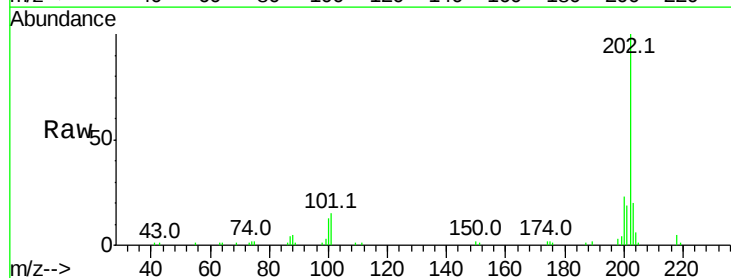
Instrument :
 BNA_F
 ClientSampleId :

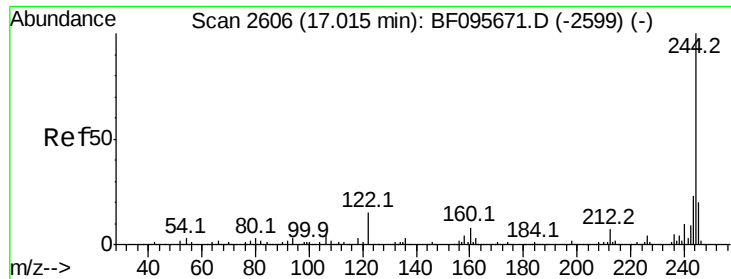
Tot Ion:240 Resp: 140289
 Ion Ratio Lower Upper
 240 100
 120 14.7 5.8 8.8#
 236 23.9 20.5 30.7



#77
 Pyrene
 Concen: 4.81 ng
 RT: 16.70 min Scan# 2569
 Delta R.T. 0.00 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

Tgt Ion:202 Resp: 50384
 Ion Ratio Lower Upper
 202 100
 200 23.3 17.6 26.4
 203 20.2 14.4 21.6

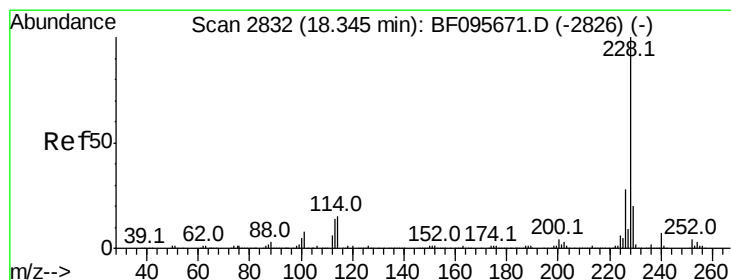
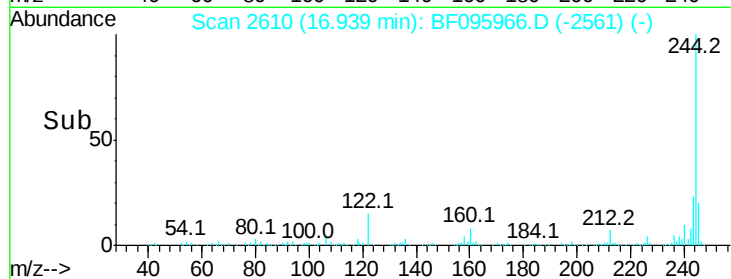
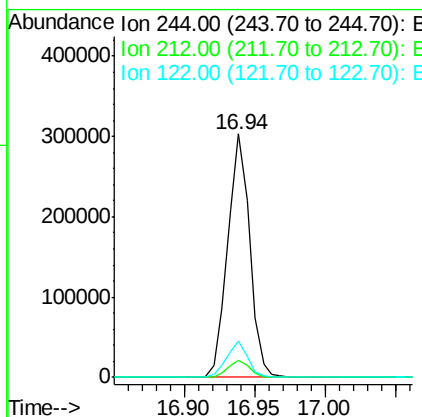
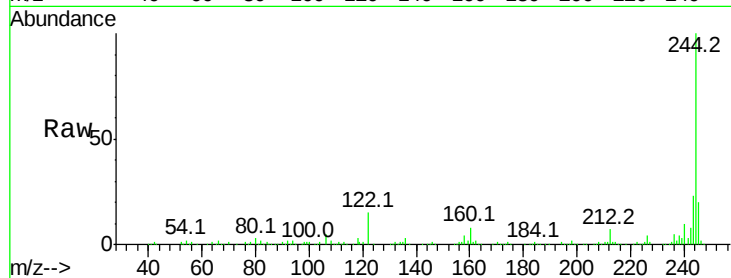




#78
 Terphenyl-d14
 Concen: 58.31 ng
 RT: 16.94 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

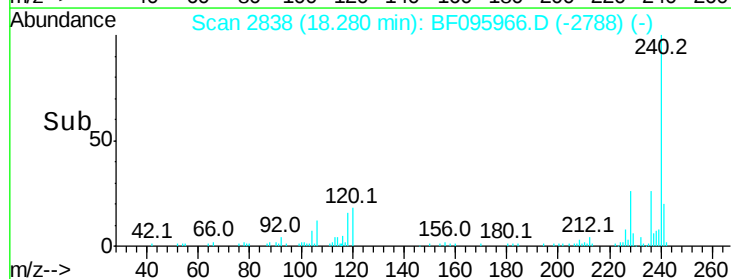
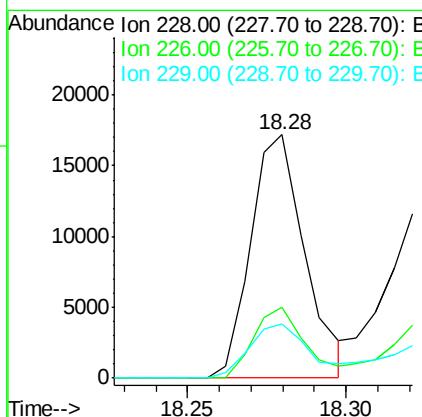
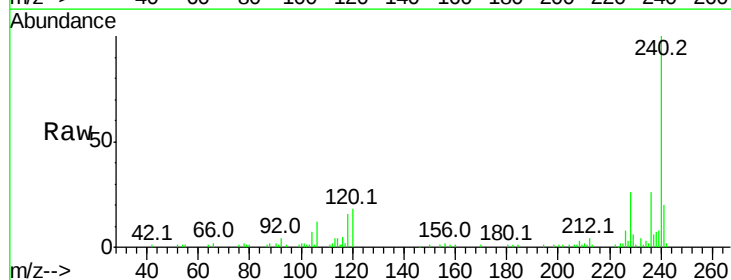
Instrument :
 BNA_F
 ClientSampleId :

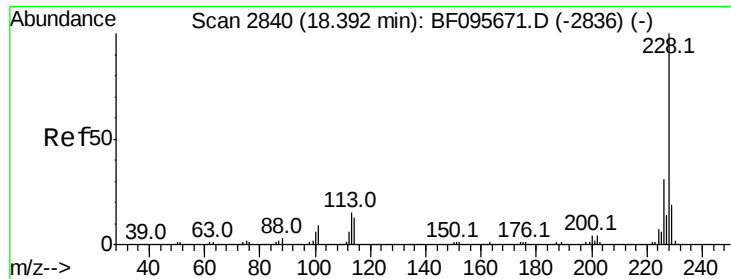
Tot Ion:244 Resp: 329592
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.50 ng
 RT: 18.28 min Scan# 2838
 Delta R.T. -0.01 min
 Lab File: BF095966.D
 Acq: 16 Jun 2017 20:50

Tgt Ion:228 Resp: 20391
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 22.2 16.3 24.5

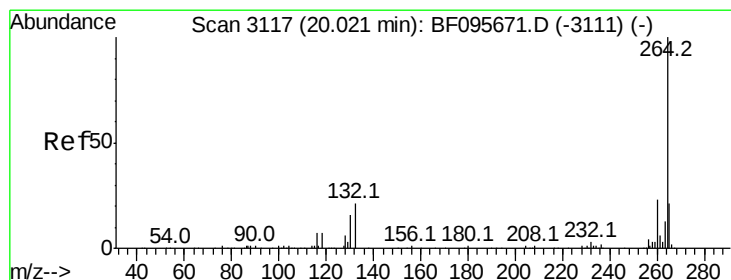
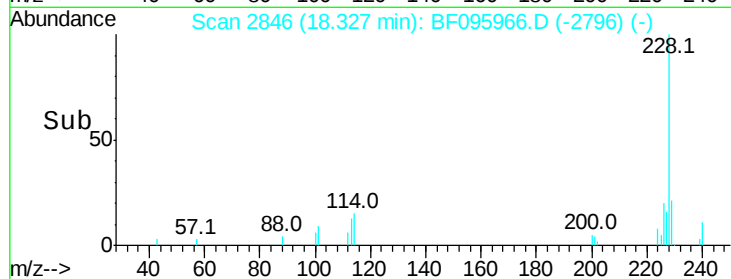
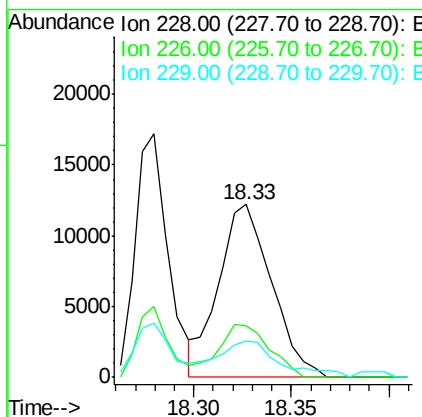
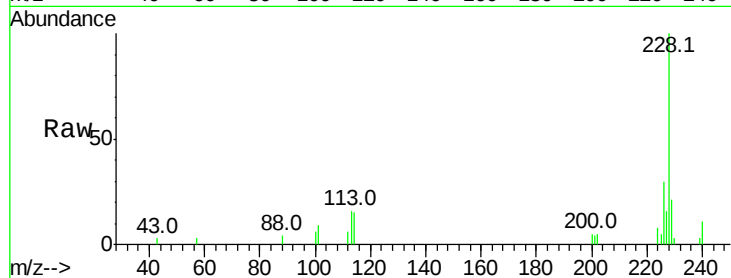




#82
Chrysene
Concen: 2.82 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

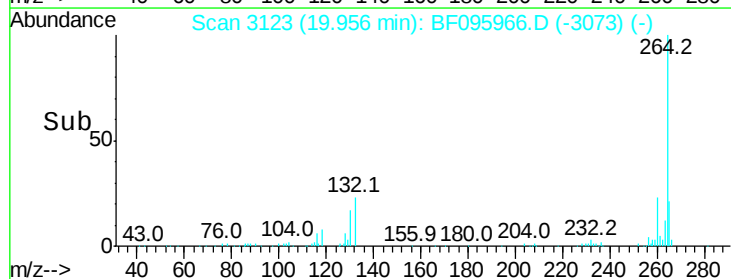
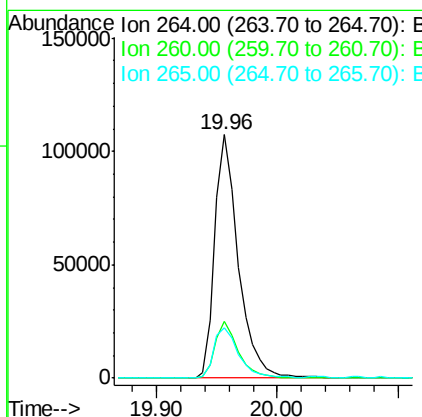
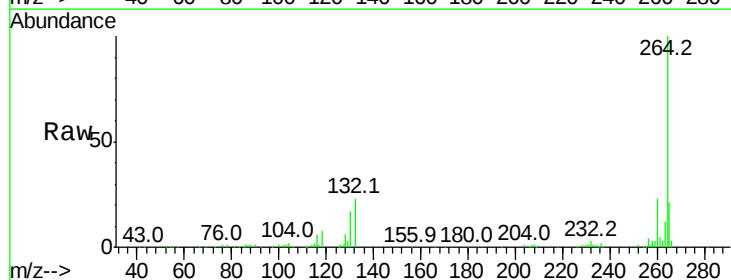
Instrument :
BNA_F
ClientSampled :

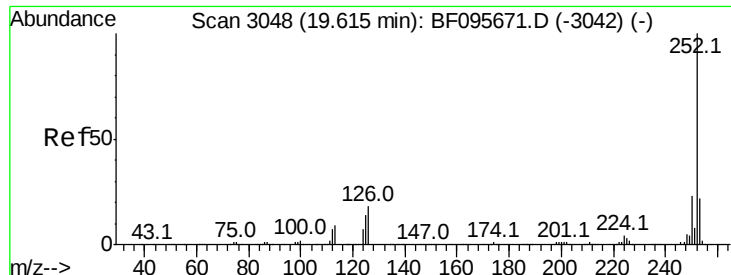
Tot Ion:228 Resp: 22976
Ion Ratio Lower Upper
228 100
226 29.5 24.9 37.3
229 20.8 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion:264 Resp: 144689
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 20.5 17.2 25.8

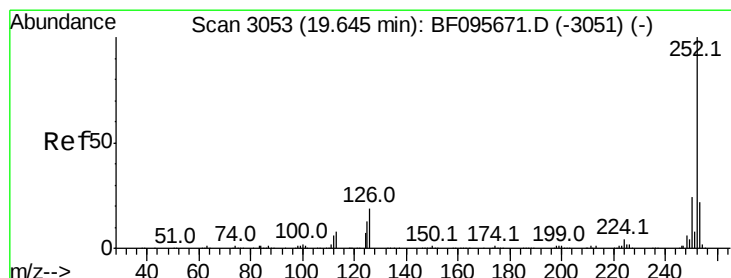
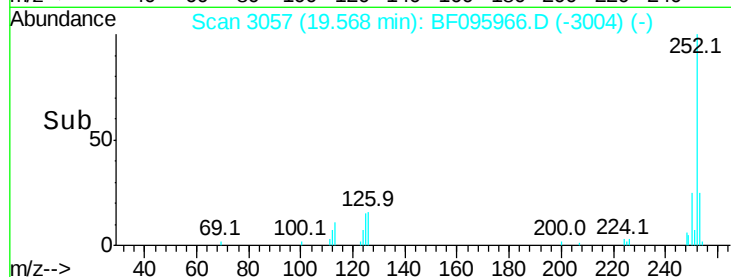
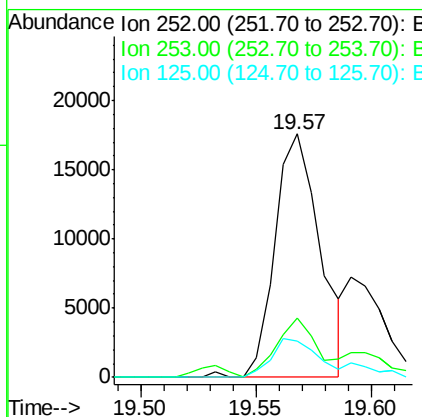
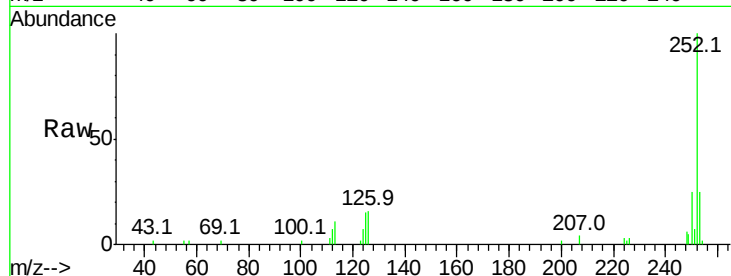




#87
Benzo(b)fluoranthene
Concen: 2.64 ng
RT: 19.57 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

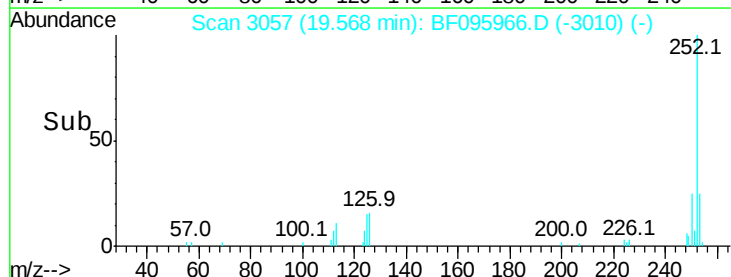
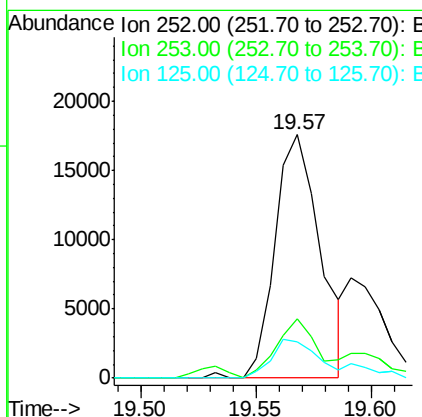
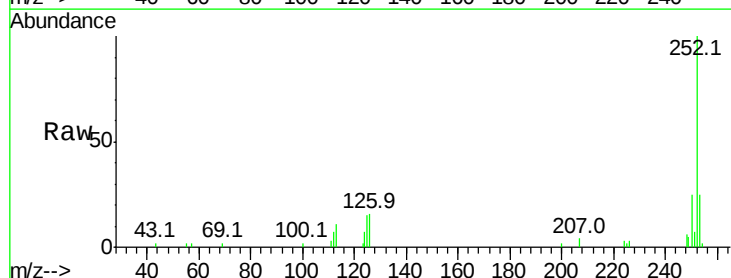
Instrument :
BNA_F
ClientSampleId :

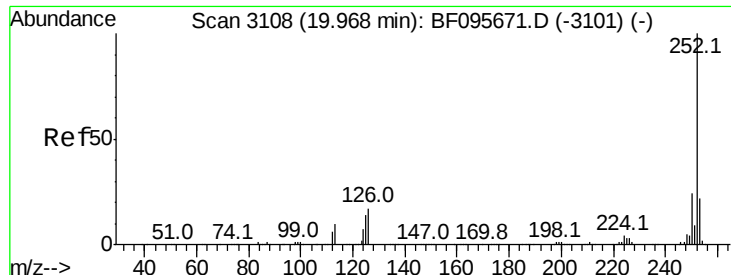
Tot Ion:252 Resp: 23919
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 15.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.76 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF095966.D
Acq: 16 Jun 2017 20:50

Tgt Ion:252 Resp: 23919
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 15.1 13.1 19.7





#89

Benzo(a)pyrene

Concen: 2.24 ng

RT: 19.91 min Scan# 3115

Delta R.T. 0.00 min

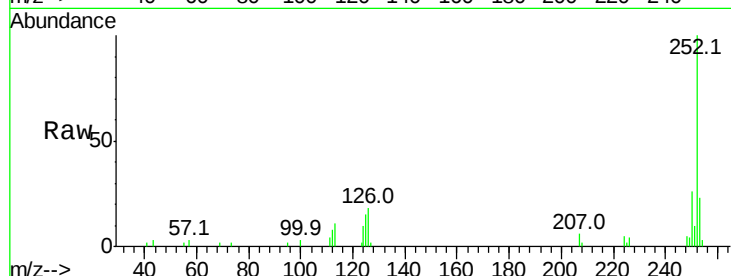
Lab File: BF095966.D

Acq: 16 Jun 2017 20:50

Instrument :

BNA_F

ClientSampleId :



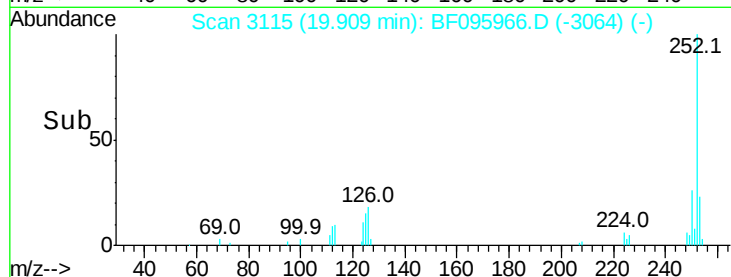
Tot Ion:252 Resp: 18631

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 15.3 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

