

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099202.D
 Acq On : 7 Oct 2017 18:56
 Operator : SJ/JU
 Sample : I5586-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:38:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	120159	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	446390	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	172649	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	267535	20.00	ng	0.00
75) Chrysene-d12	14.03	240	218787	20.00	ng	0.00
86) Perylene-d12	15.51	264	171869	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	147774	19.58	ng	0.00
7) Phenol-d6	6.49	99	174044	18.69	ng	0.00
23) Nitrobenzene-d5	7.42	82	91184	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	21795	15.43	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	172131	16.64	ng	-0.01
78) Terphenyl-d14	12.97	244	119095	12.38	ng	0.00

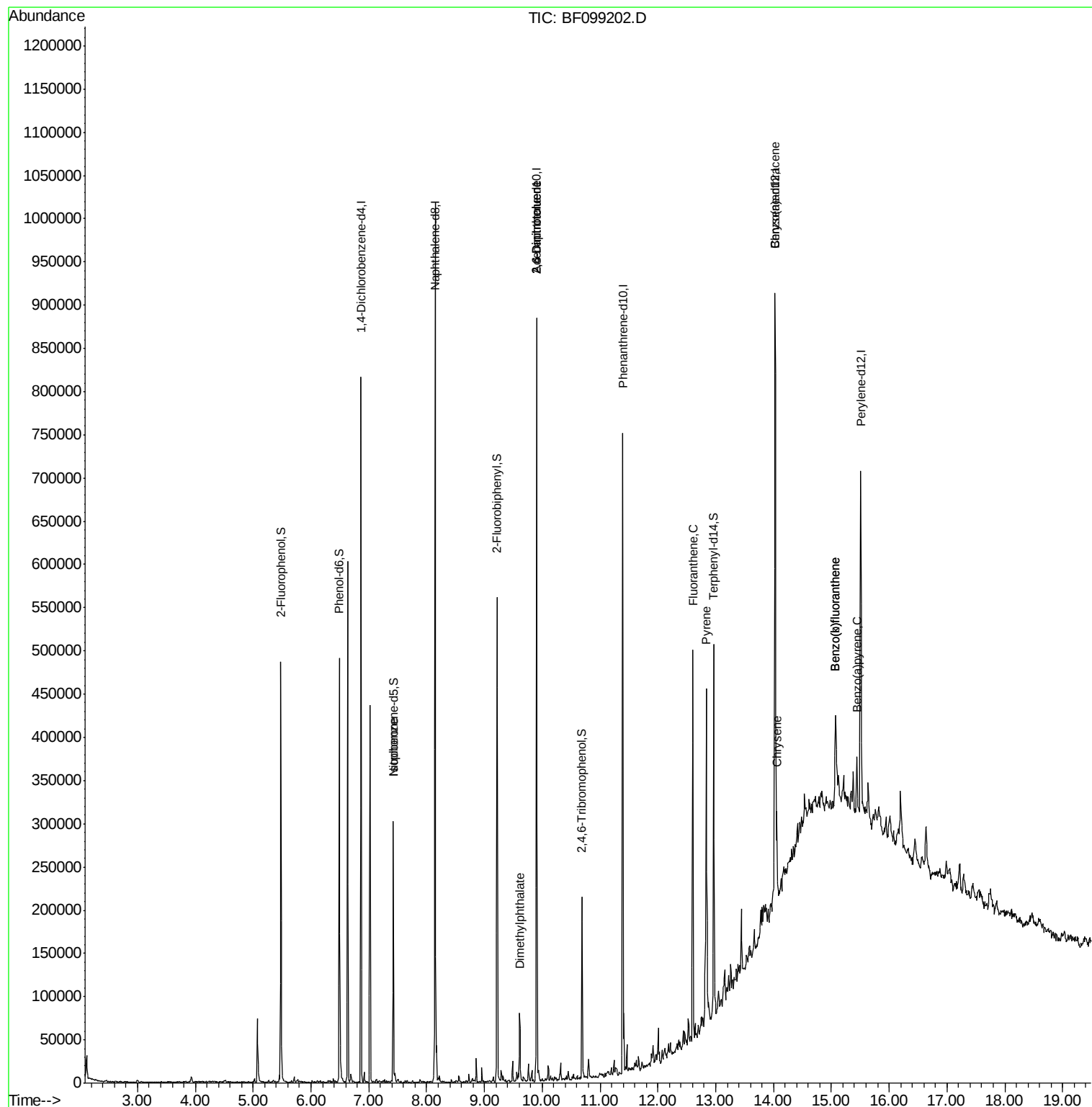
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.42	82	91183	6.336	ng	# 64
49) Dimethylphthalate	9.61	163	28712	2.203	ng	98
50) 2,6-Dinitrotoluene	9.90	165	21819	7.691	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	21819	5.926	ng	# 22
74) Fluoranthene	12.60	202	162196	11.185	ng	98
77) Pyrene	12.83	202	145564	8.725	ng	98
80) Benzo(a)anthracene	14.02	228	51188	3.864	ng	95
82) Chrysene	14.06	228	43796	3.472	ng	96
87) Benzo(b)fluoranthene	15.07	252	62523	5.917	ng	# 88
88) Benzo(k)fluoranthene	15.07	252	62523	5.990	ng	# 91
89) Benzo(a)pyrene	15.44	252	22268	2.296	ng	# 79

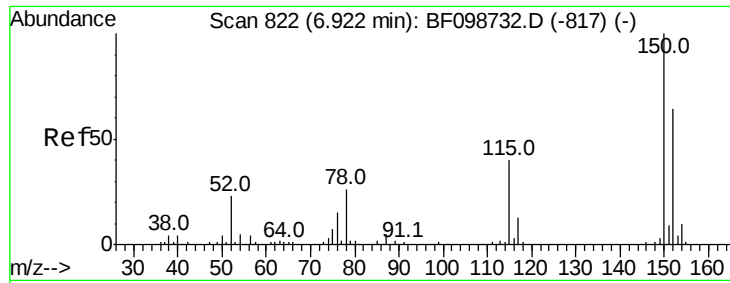
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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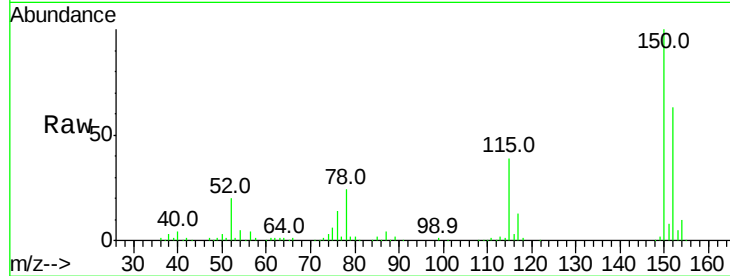


#1

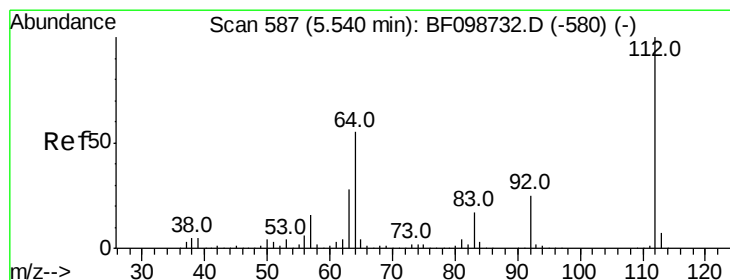
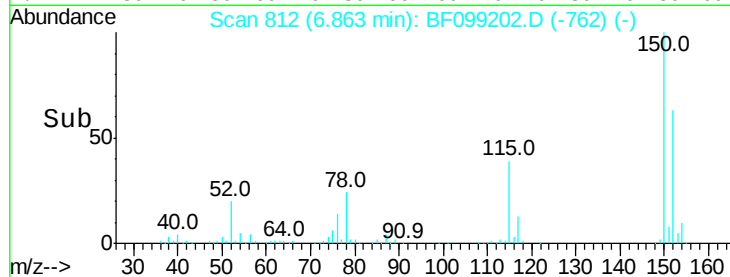
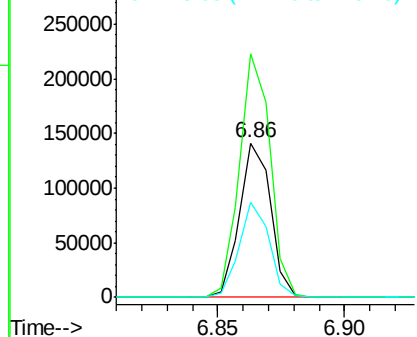
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 120159
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 61.5 50.1 75.1



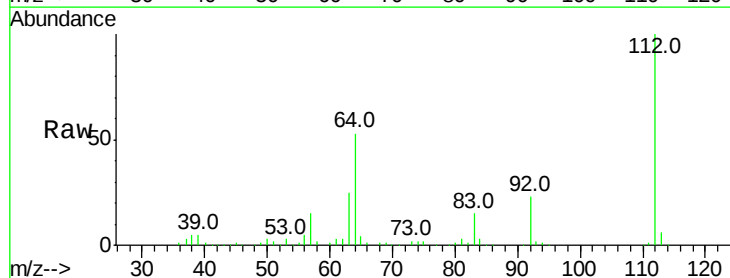
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



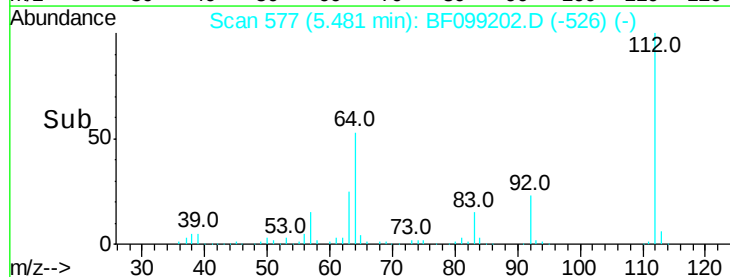
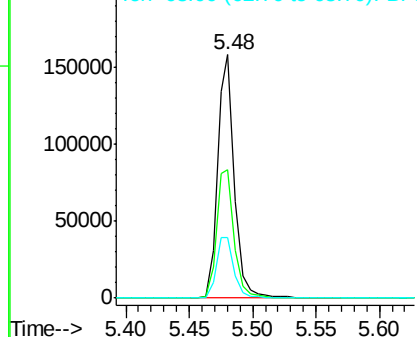
#5

2-Fluorophenol
Concen: 19.578 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion:112 Resp: 147774
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 24.8 23.7 35.5



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: 18.691 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

Instrument :

BNA_F

ClientSampleId :

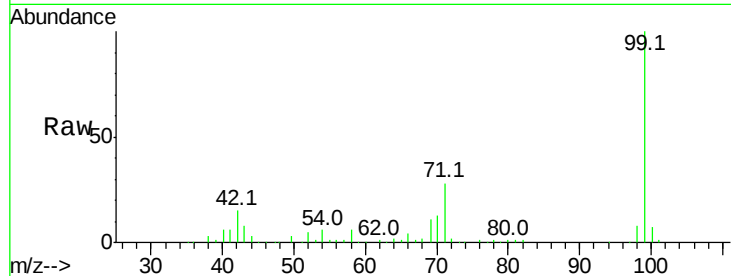
Tot Ion: 99 Resp: 174044

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

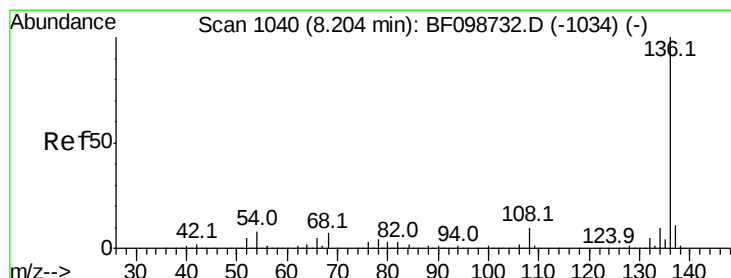
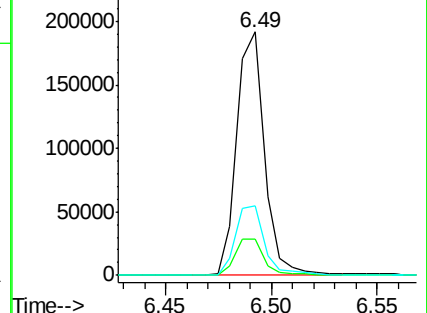
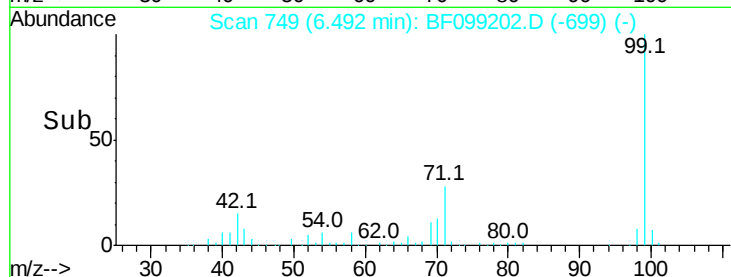
71 28.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

Tgt Ion:136 Resp: 446390

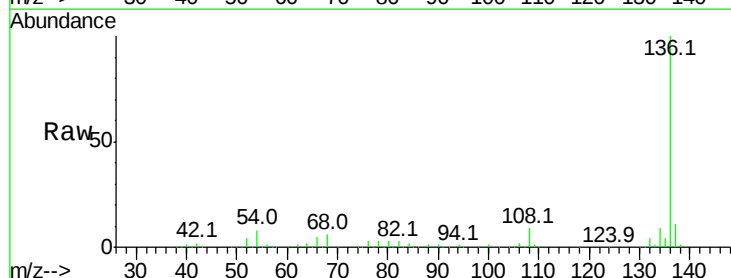
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 6.4 5.0 7.4

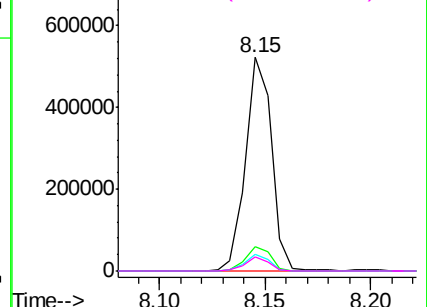
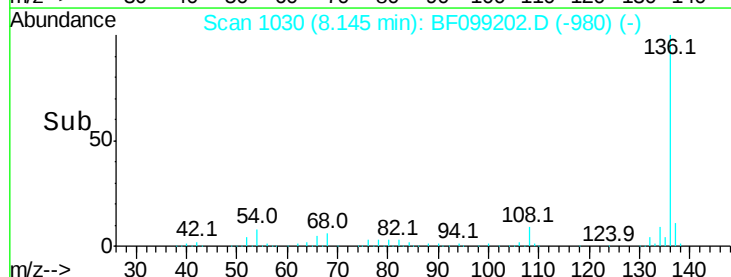


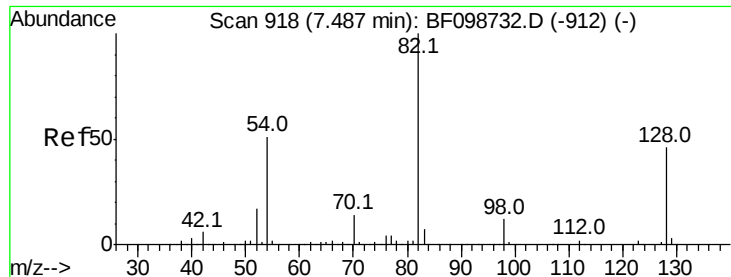
Abundance Ion 136.00 (135.70 to 136.70): E

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

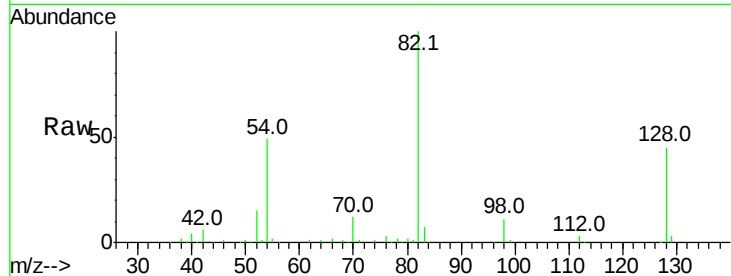




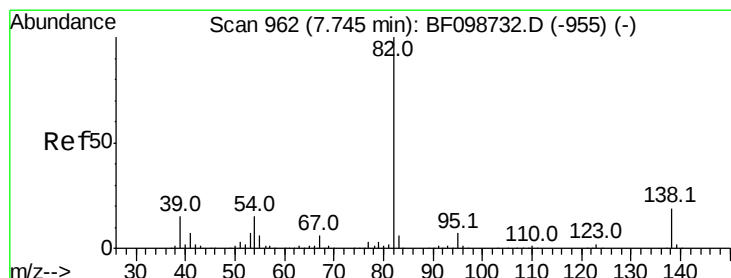
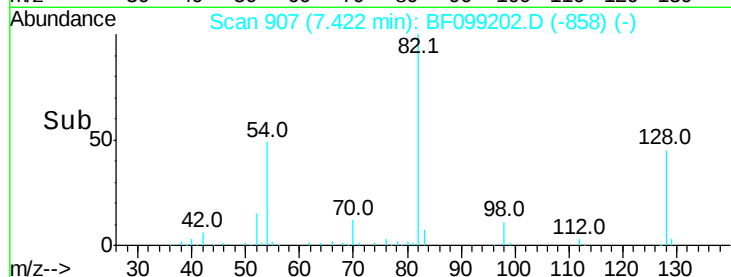
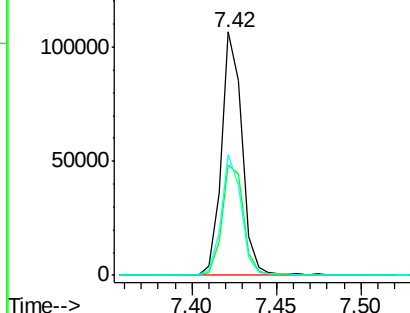
#23
Nitrobenzene-d5
Concen: 13.100 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	49.4	41.4	62.2

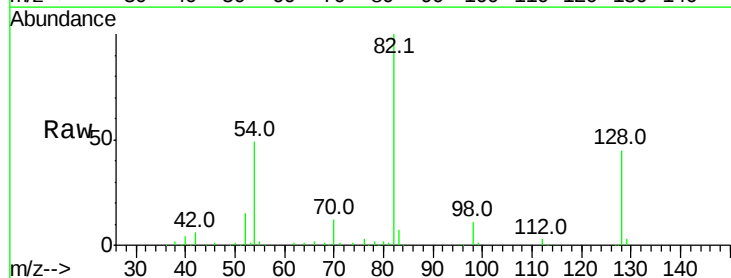


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

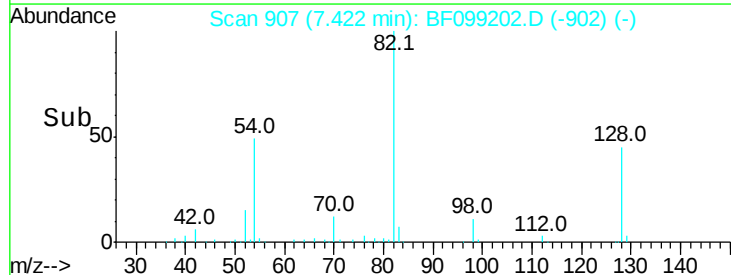
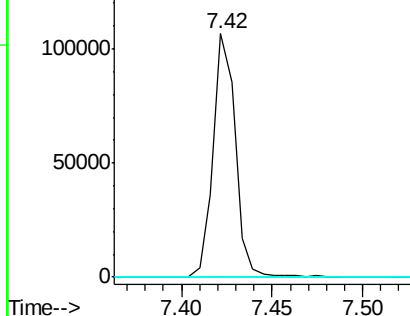


#25
Isophorone
Concen: 6.336 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.27 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

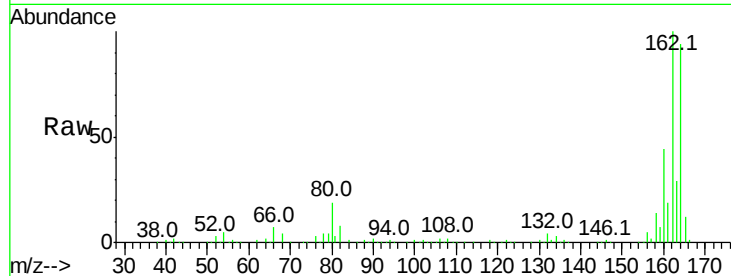




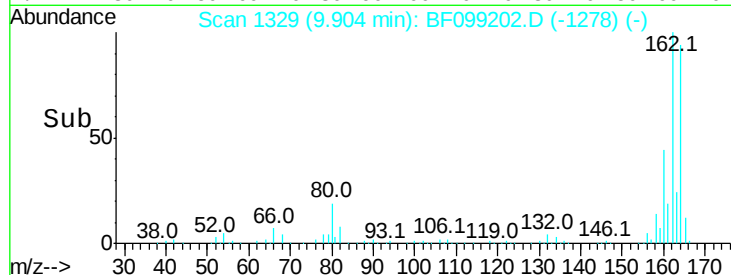
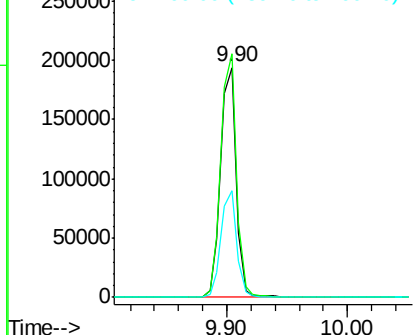
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 172649
Ion Ratio Lower Upper
164 100
162 106.1 86.1 129.1
160 46.7 38.3 57.5

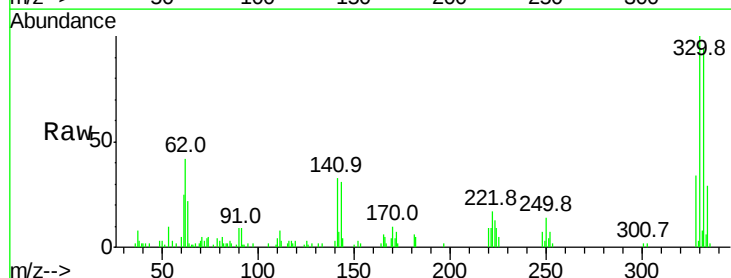


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

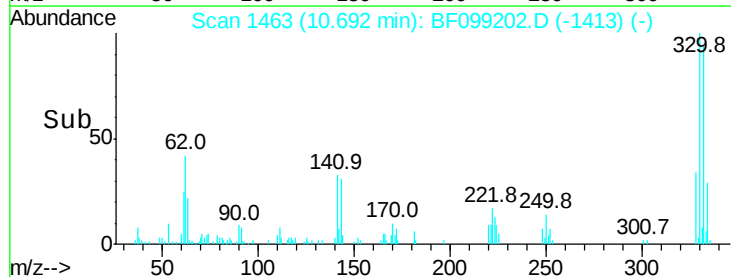
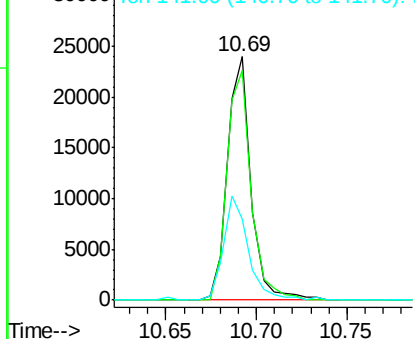


#41
2,4,6-Tribromophenol
Concen: 15.428 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion:330 Resp: 21795
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 45.0 29.9 44.9#



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

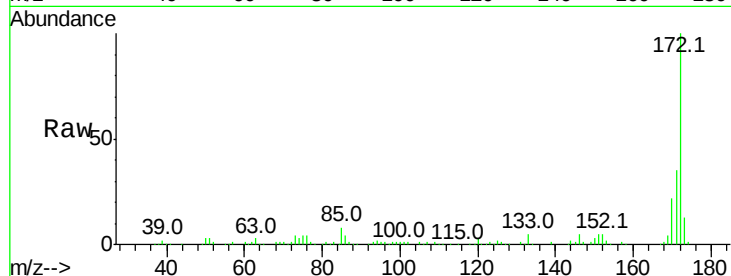




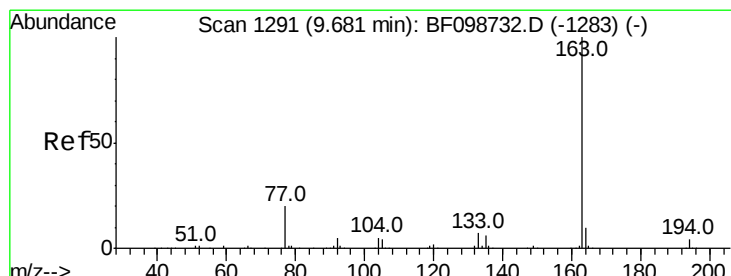
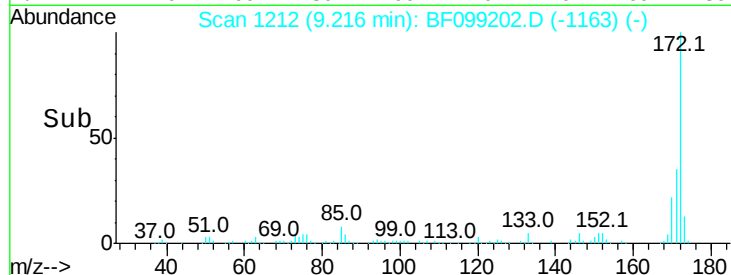
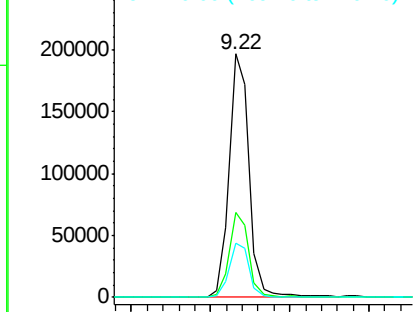
#44
2-Fluorobiphenyl
Concen: 16.644 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 172131
Ion Ratio Lower Upper
172 100
171 34.6 29.7 44.5
170 22.2 19.6 29.4

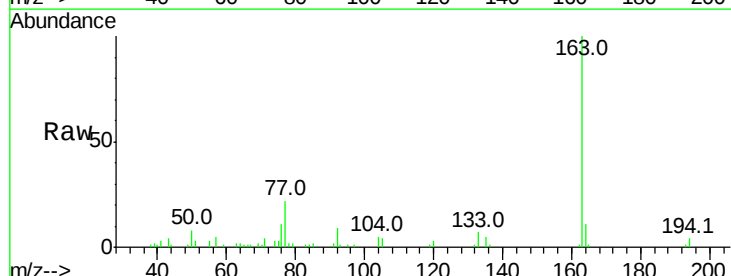


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

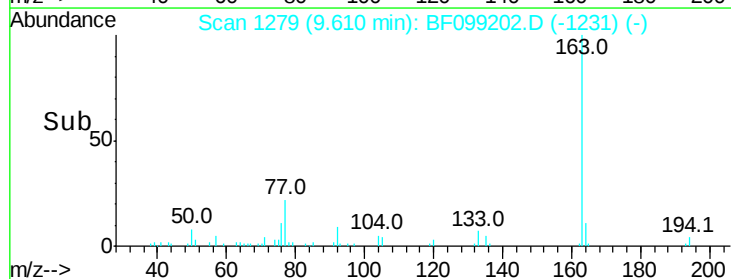
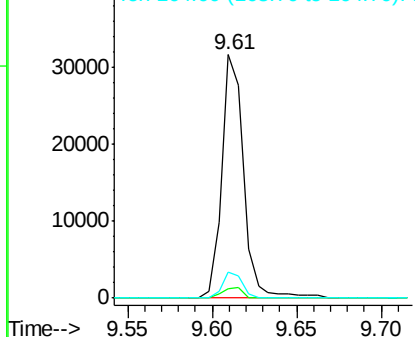


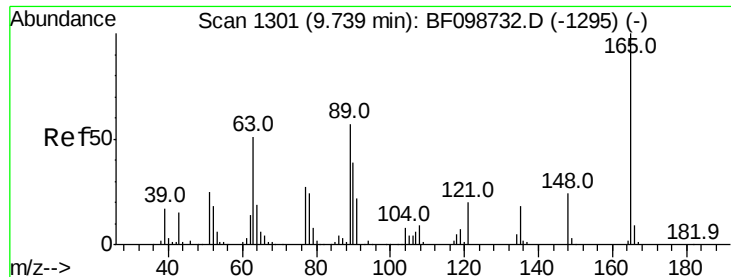
#49
Dimethylphthalate
Concen: 2.203 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion:163 Resp: 28712
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.8 8.2 12.2



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

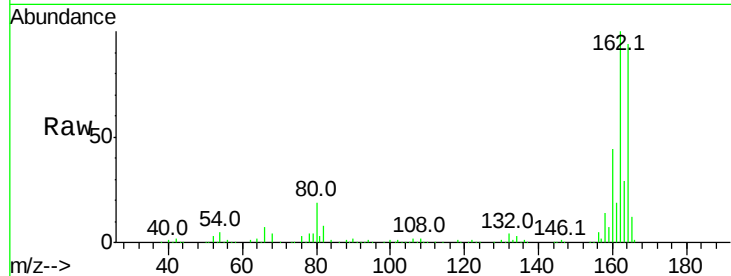




#50
2,6-Dinitrotoluene
Concen: 7.691 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampleId :

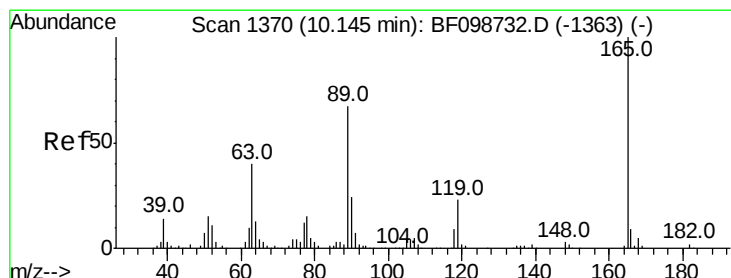
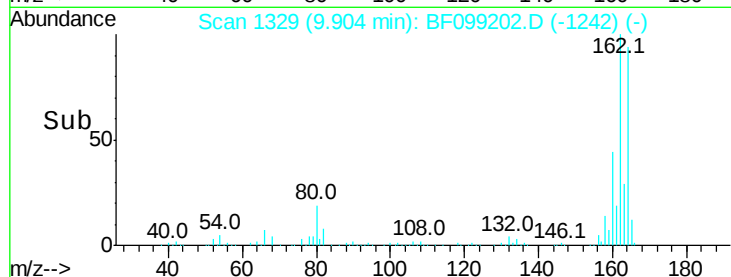
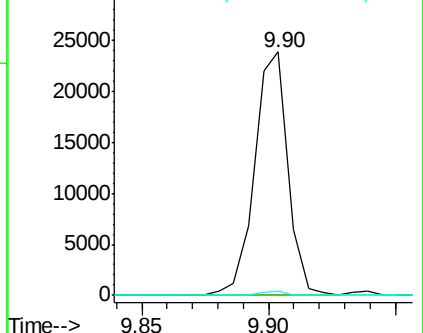
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 5.926 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.19 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

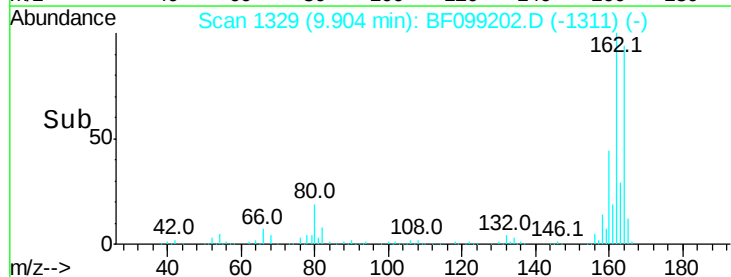
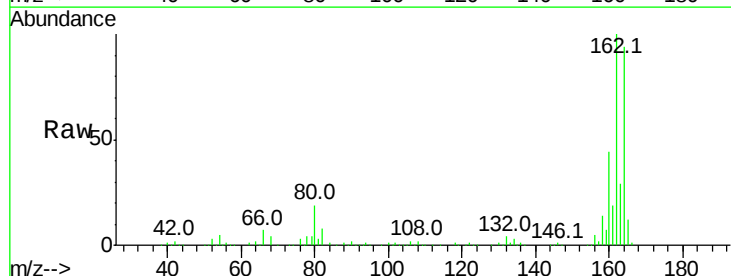
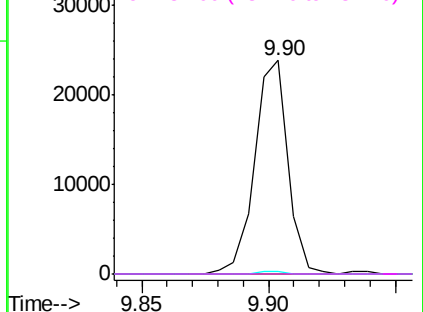
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

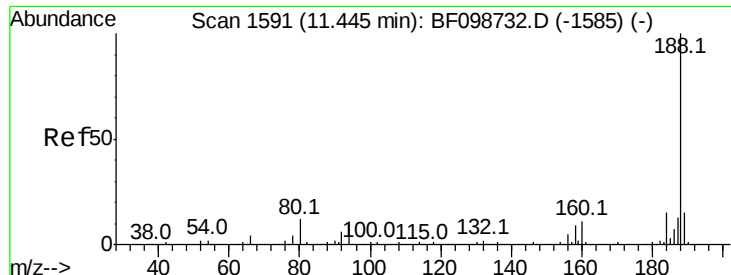
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

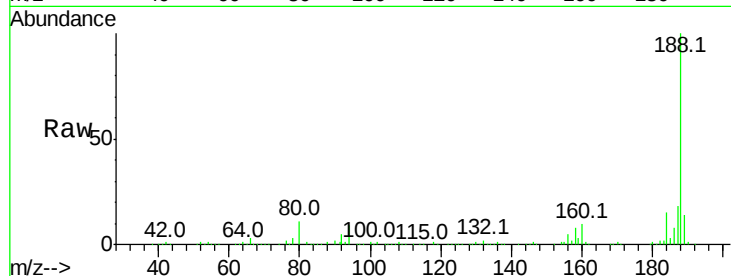




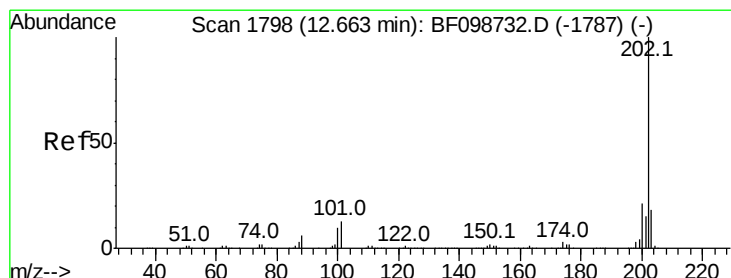
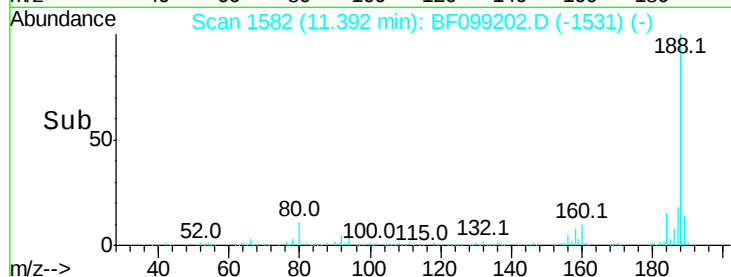
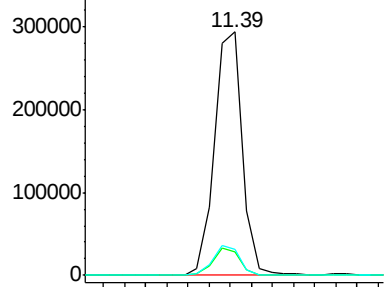
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 267535
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.6 9.2 13.8

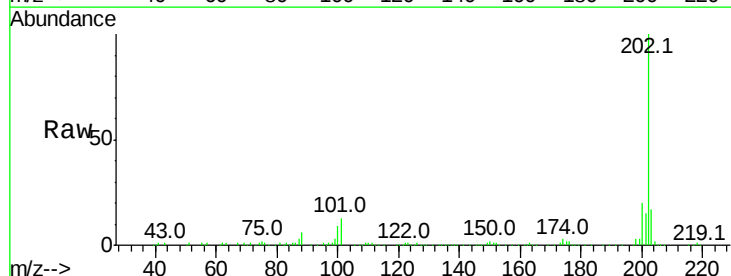


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

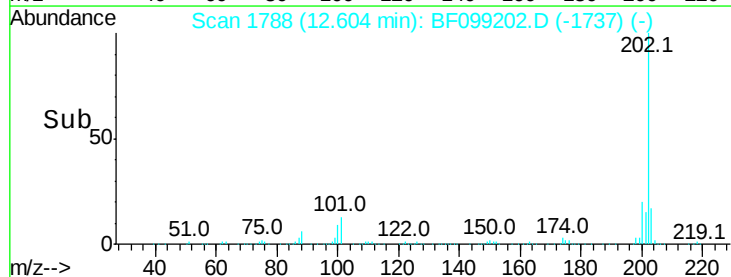
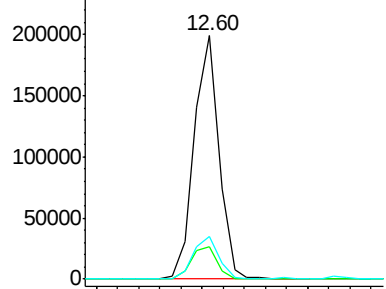


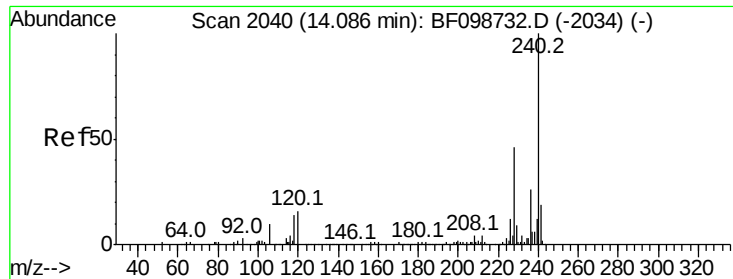
#74
Fluoranthene
Concen: 11.185 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion:202 Resp: 162196
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.1
203 17.3 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

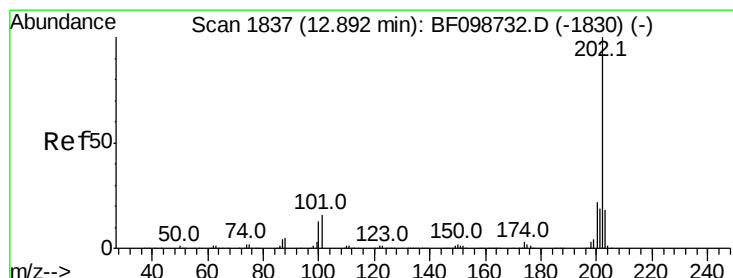
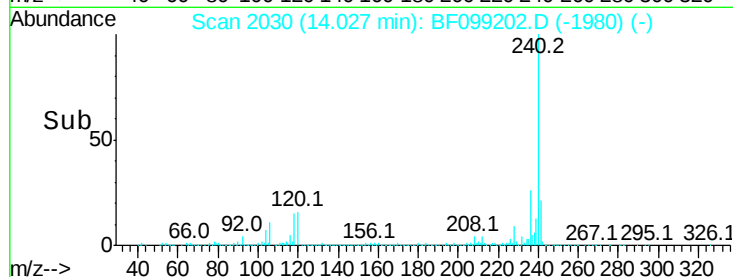
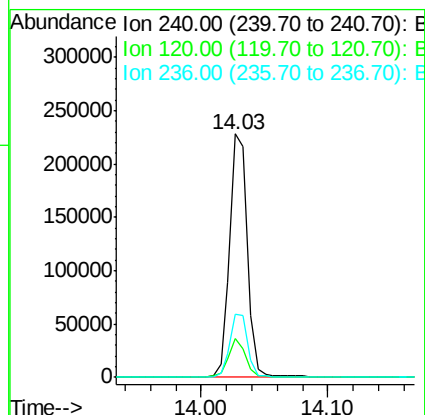
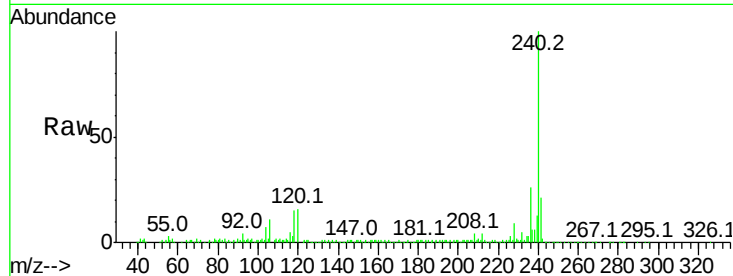




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

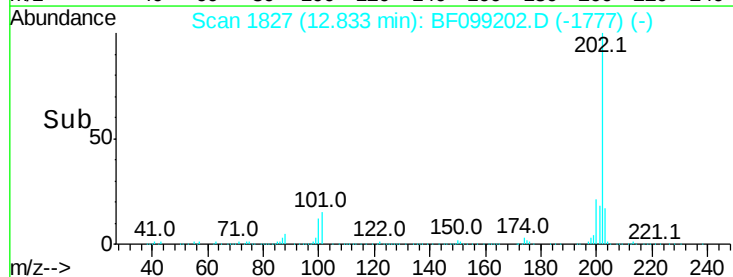
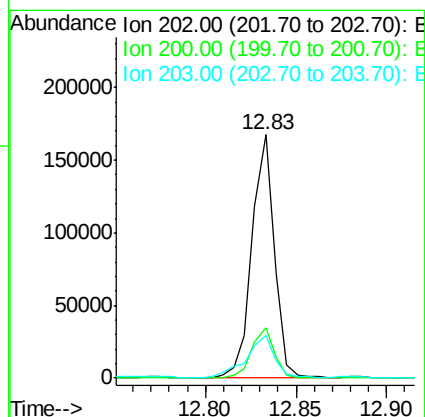
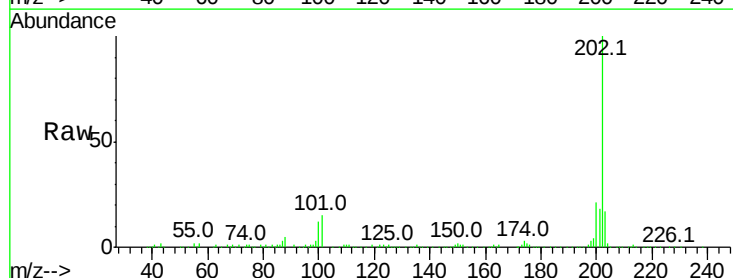
Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 218787
Ion Ratio Lower Upper
240 100
120 15.9 9.5 14.3#
236 26.0 20.7 31.1



#77
Pyrene
Concen: 8.725 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF099202.D
Acq: 7 Oct 2017 18:56

Tgt Ion:202 Resp: 145564
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.3 14.3 21.5

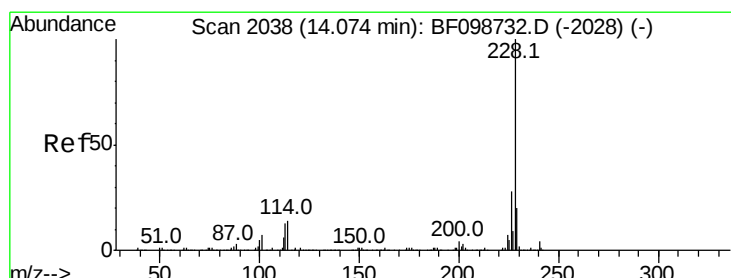
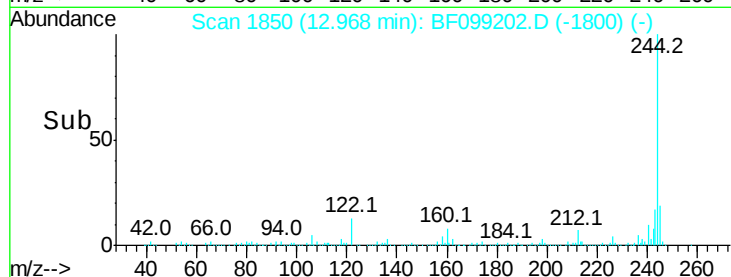
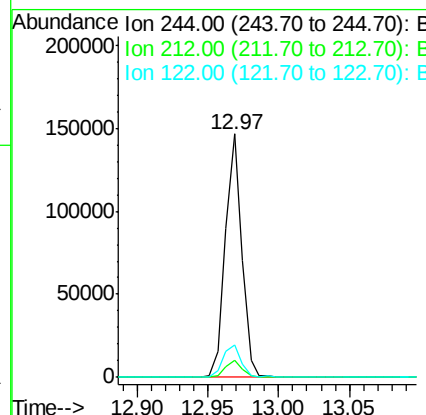
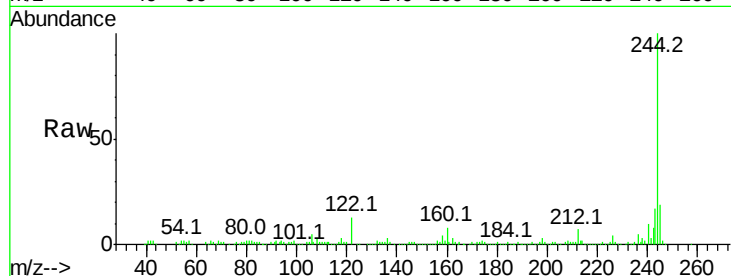




#78
 Terphenyl-d14
 Concen: 12.379 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099202.D
 Acq: 7 Oct 2017 18:56

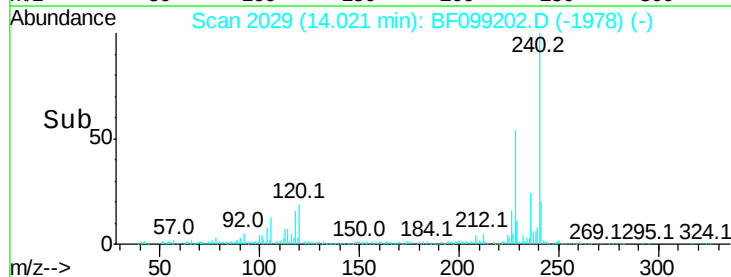
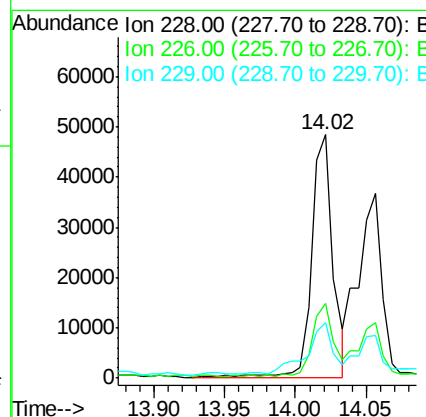
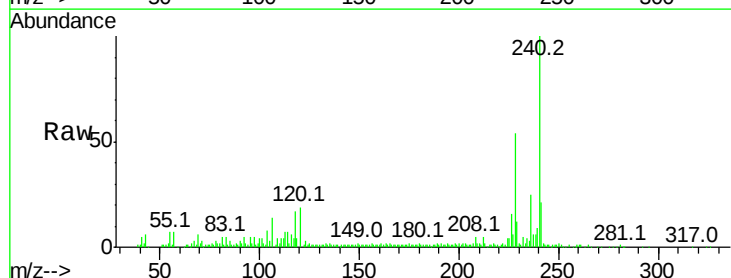
Instrument :
 BNA_F
 ClientSampleId :

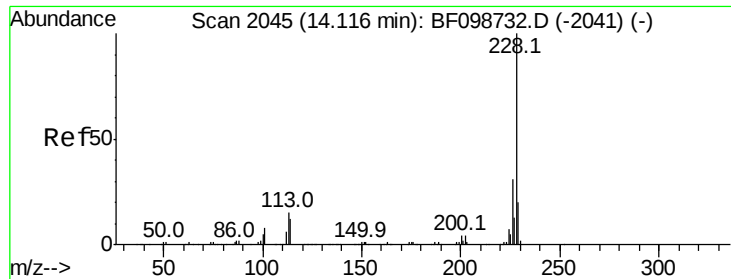
Tot Ion:244 Resp: 119095
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.864 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF099202.D
 Acq: 7 Oct 2017 18:56

Tgt Ion:228 Resp: 51188
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 22.6 15.8 23.6





#82

Chrysene

Concen: 3.472 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

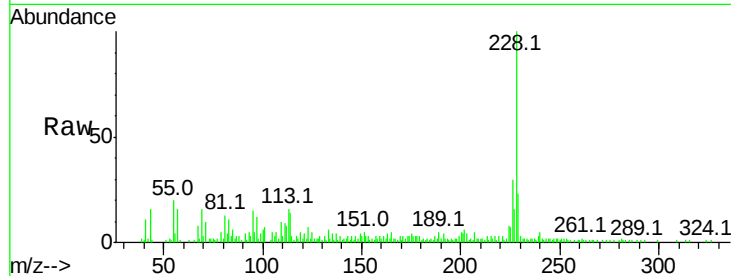
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 43796

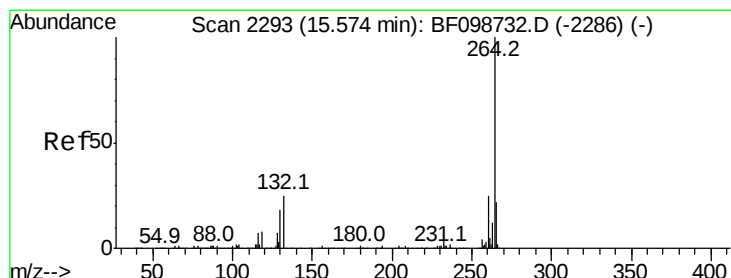
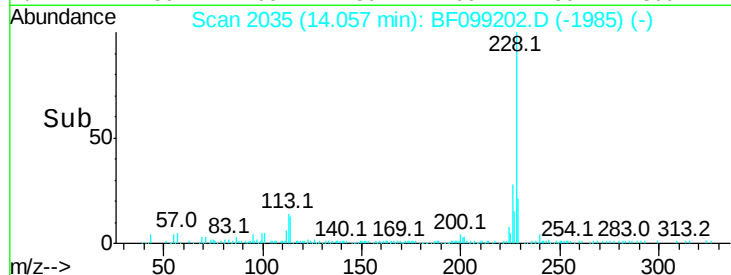
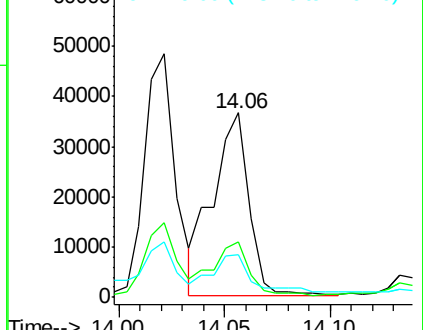
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.4	16.2	24.4



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: 20.000 ng

RT: 15.51 min Scan# 2282

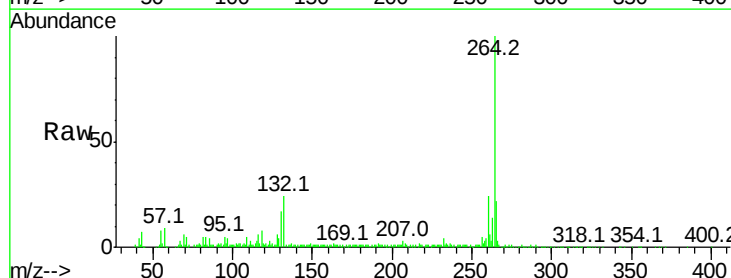
Delta R.T. 0.01 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

Tgt Ion:264 Resp: 171869

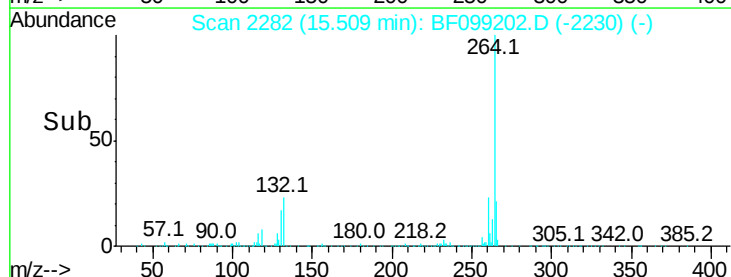
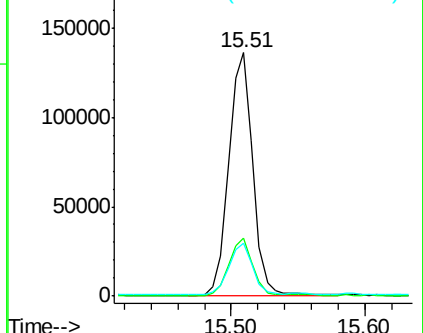
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

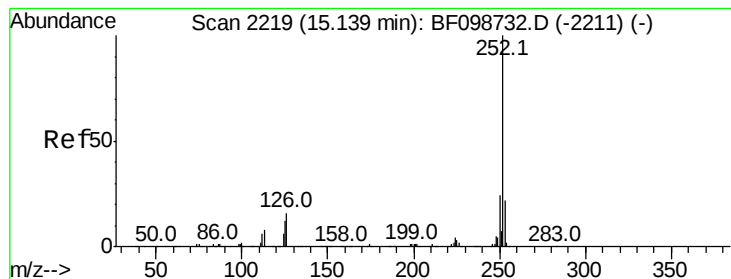


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.917 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

Instrument :

BNA_F

ClientSampleId :

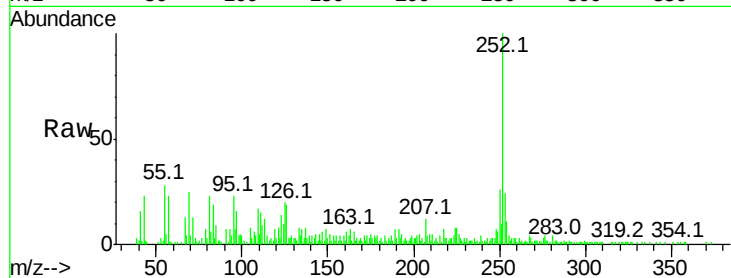
Tot Ion:252 Resp: 62523

Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

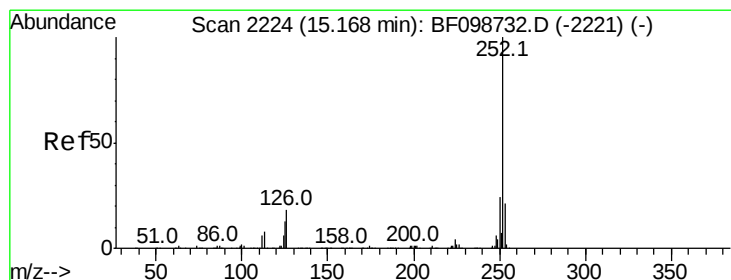
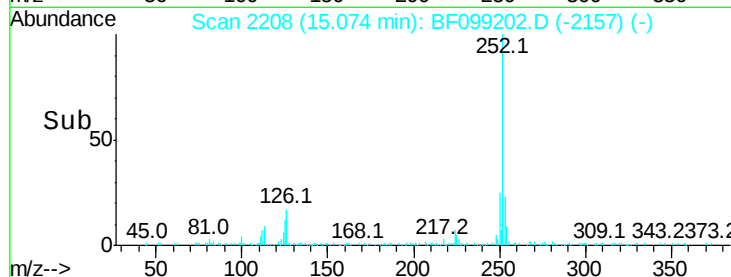
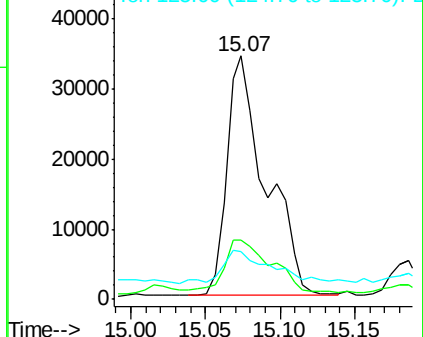
125 19.7 9.0 13.6#



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: 5.990 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

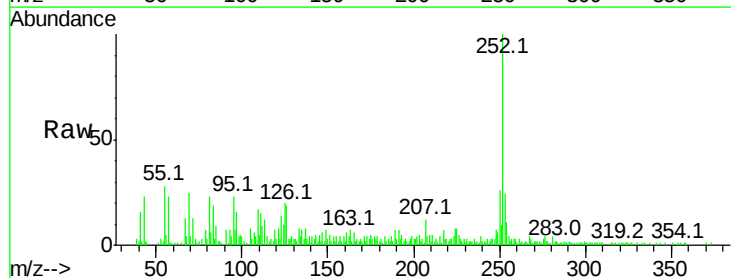
Tgt Ion:252 Resp: 62523

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

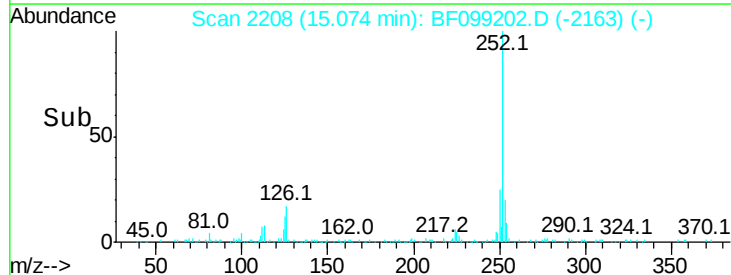
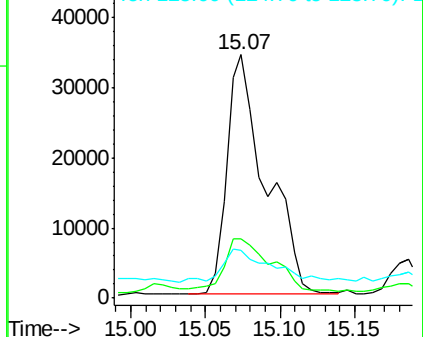
125 19.7 10.2 15.2#

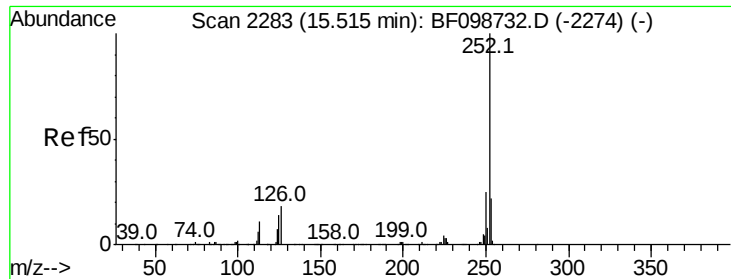


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.296 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF099202.D

Acq: 7 Oct 2017 18:56

Instrument :

BNA_F

ClientSampleId :

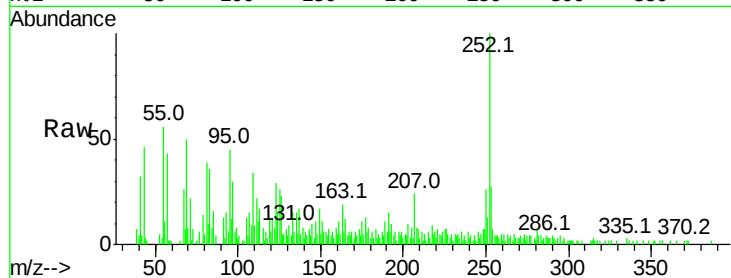
Tot Ion: 252 Resp: 22268

Ion Ratio Lower Upper

252 100

253 27.3 17.1 25.7#

125 25.7 9.8 14.6#



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

