

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101491.D
 Acq On : 18 Dec 2017 20:03
 Operator : SJ/JU
 Sample : I6908-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Quant Time: Dec 19 01:24:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

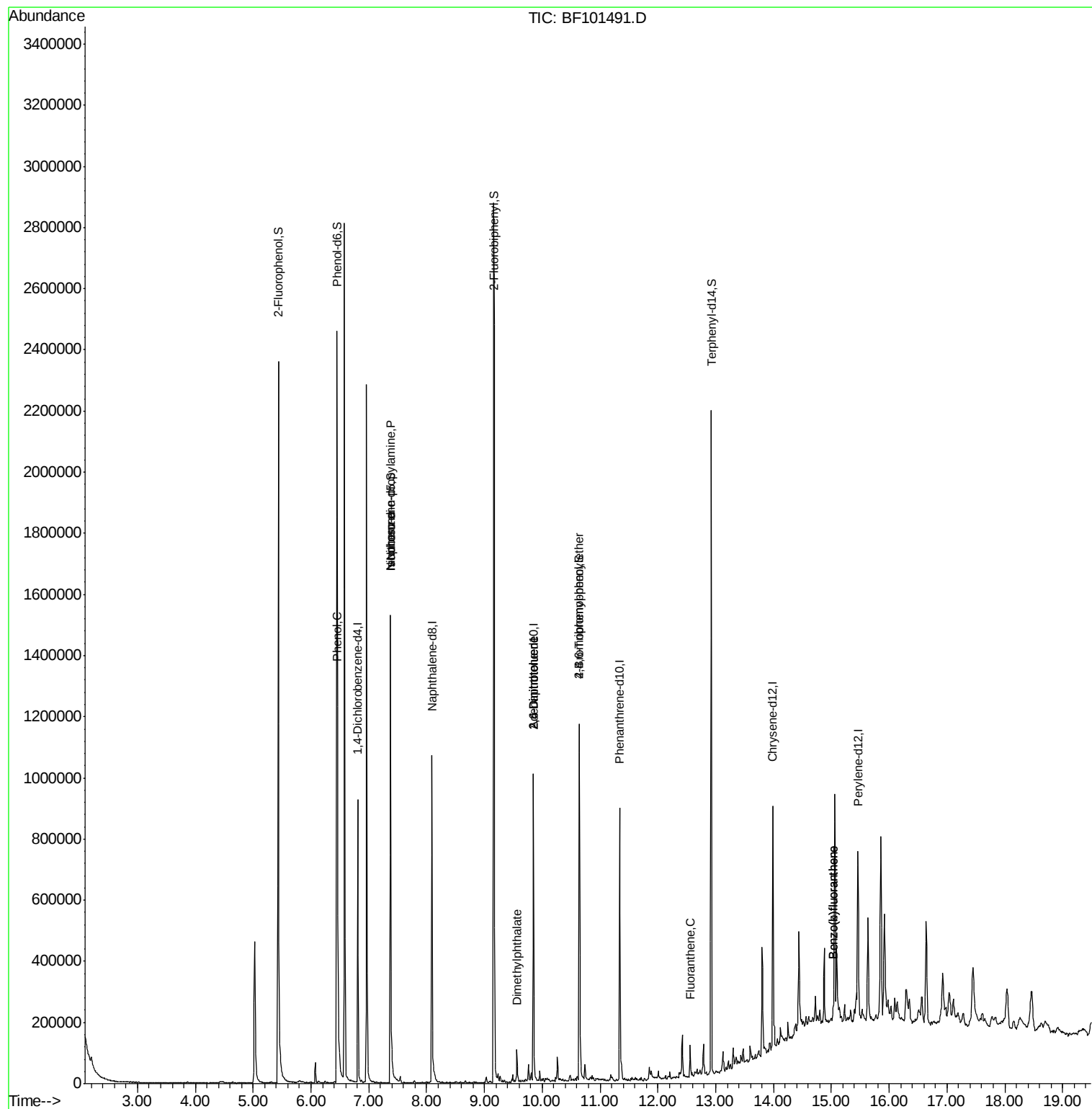
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139277	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	531204	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	204336	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	316554	20.00	ng	0.00
75) Chrysene-d12	13.99	240	286361	20.00	ng	0.00
86) Perylene-d12	15.46	264	281876	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	794281	84.95	ng	0.01
7) Phenol-d6	6.45	99	936495	80.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	563926	59.09	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	161350	81.95	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	977559	74.21	ng	0.00
78) Terphenyl-d14	12.92	244	691326	58.20	ng	0.00
Target Compounds						
10) Phenol	6.46	94	53716	4.05	ng	86
19) n-Nitroso-di-n-propylamine	7.37	70	72536	9.49	ng	# 84
25) Isophorone	7.37	82	563970	29.46	ng	# 64
49) Dimethylphthalate	9.56	163	43290	2.63	ng	99
50) 2,6-Dinitrotoluene	9.85	165	26194	7.84	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	26194	6.96	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	9996	2.81	ng	# 1
74) Fluoranthene	12.56	202	40292	2.18	ng	99
87) Benzo(b)fluoranthene	15.03	252	44333	2.58	ng	# 88
88) Benzo(k)fluoranthene	15.03	252	44333	2.65	ng	# 91

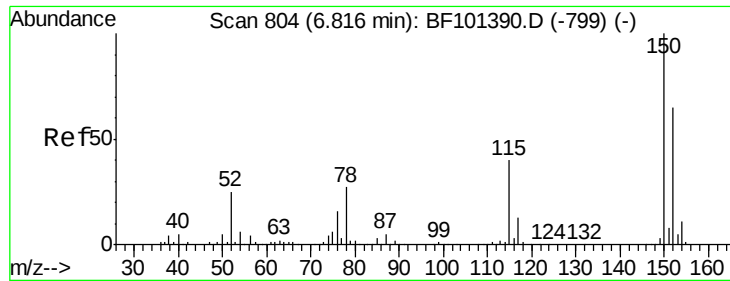
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

Instrument :

BNA_F

ClientSampled :

2

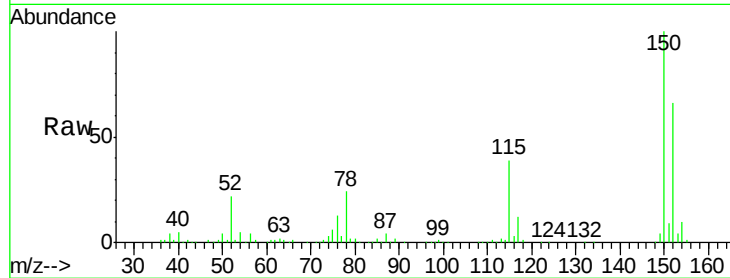
Tot Ion:152 Resp: 139277

Ion Ratio Lower Upper

152 100

150 152.1 124.6 186.8

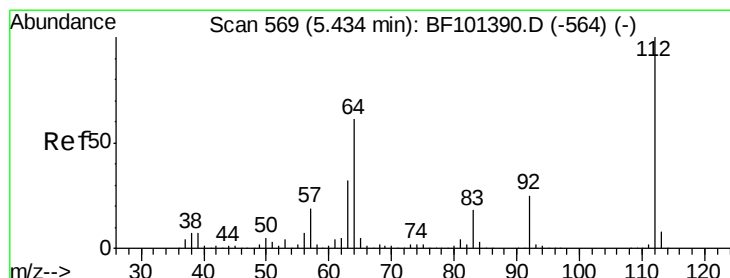
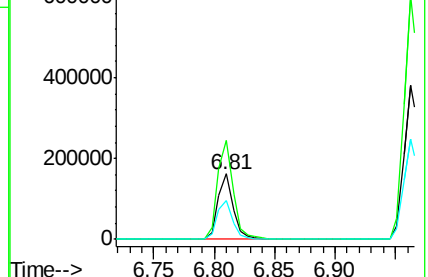
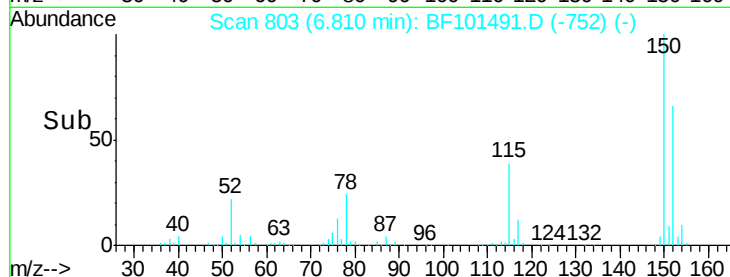
115 59.8 50.1 75.1



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: 84.95 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

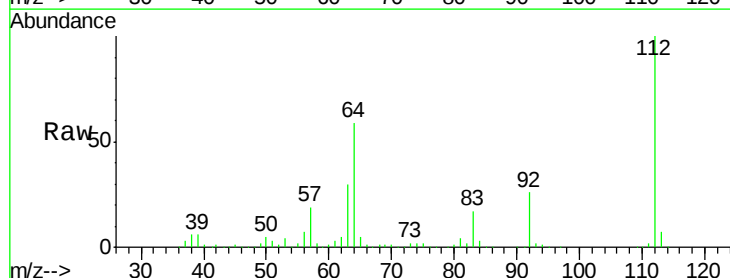
Tgt Ion:112 Resp: 794281

Ion Ratio Lower Upper

112 100

64 59.0 47.9 71.9

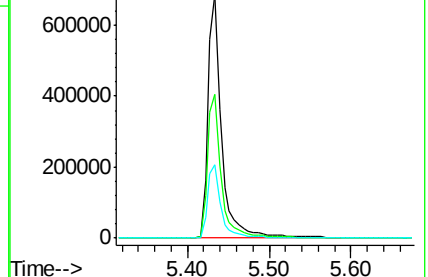
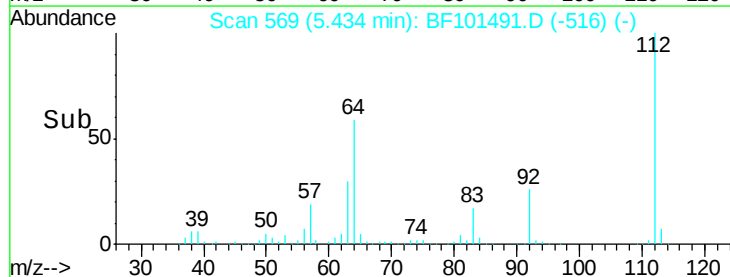
63 30.3 23.7 35.5

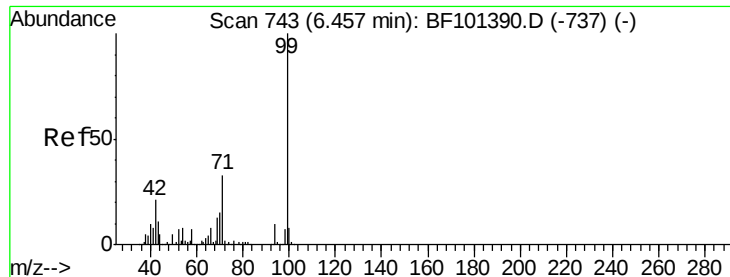


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.48 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

Instrument :

BNA_F

ClientSampleId :

2

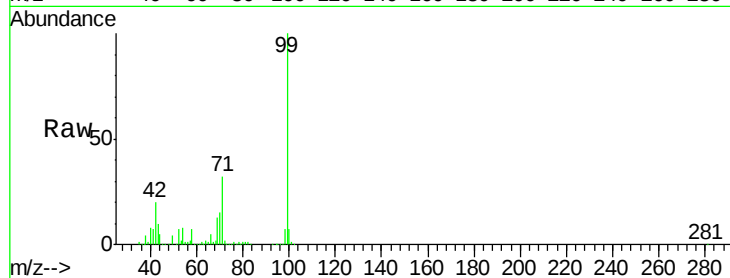
Tot Ion: 99 Resp: 936495

Ion Ratio Lower Upper

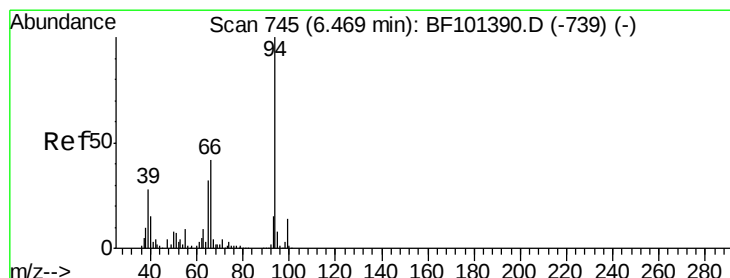
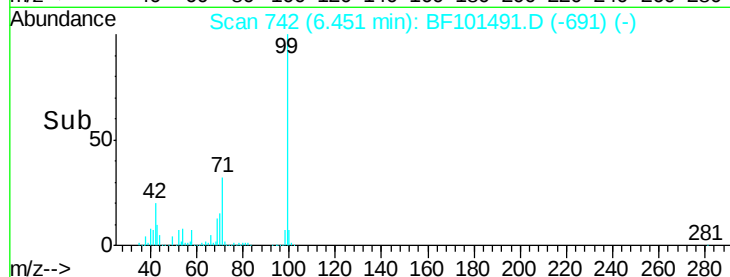
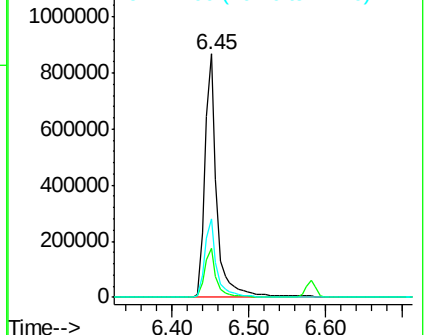
99 100

42 20.1 14.5 21.7

71 32.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.05 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

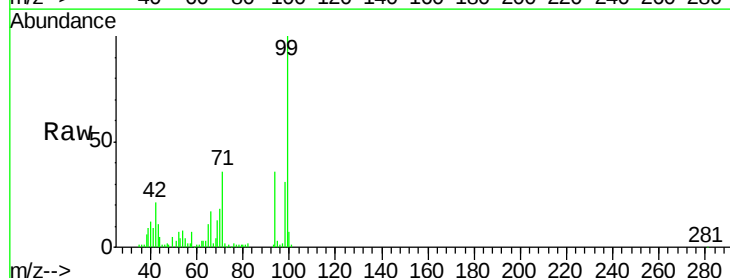
Tgt Ion: 94 Resp: 53716

Ion Ratio Lower Upper

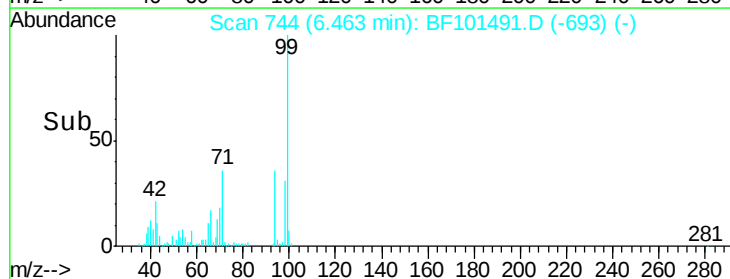
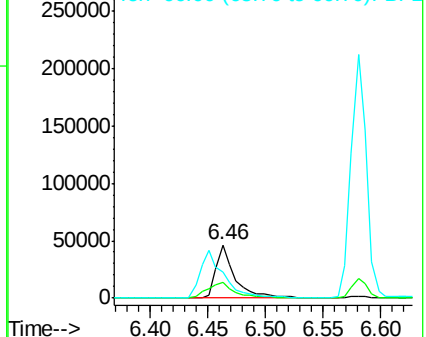
94 100

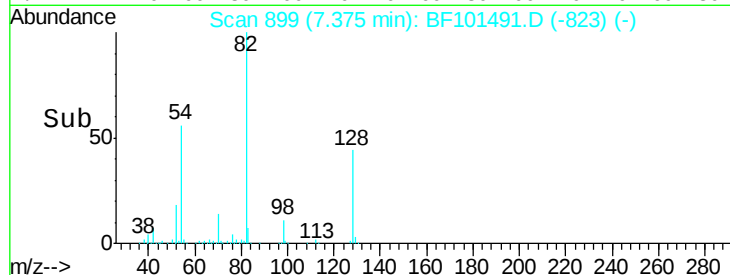
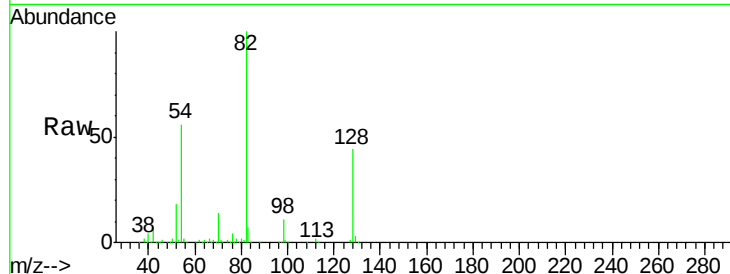
65 30.4 7.9 47.9

66 48.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

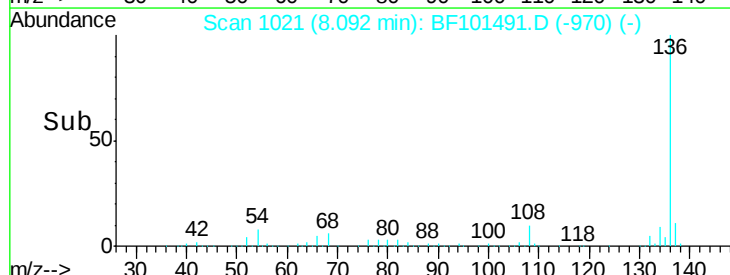
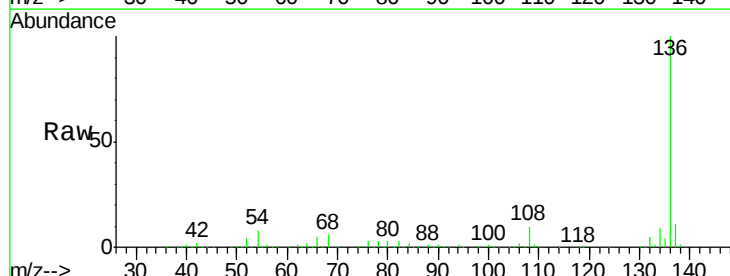
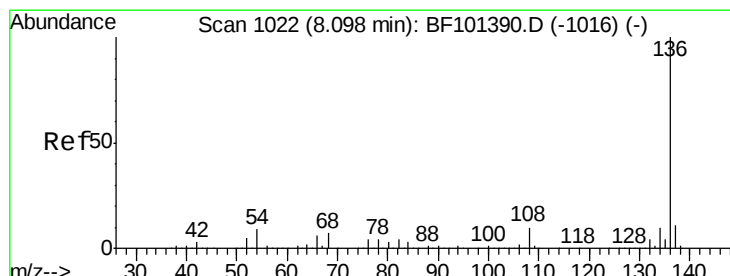
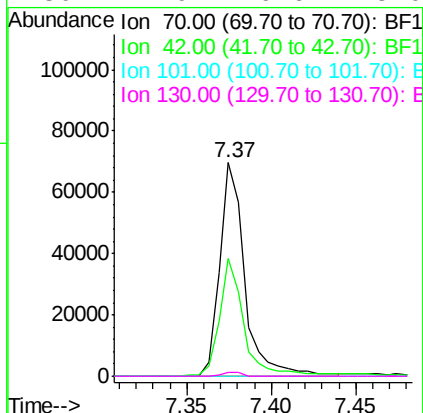




#19
n-Nitroso-di-n-propylamine
Concen: 9.49 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

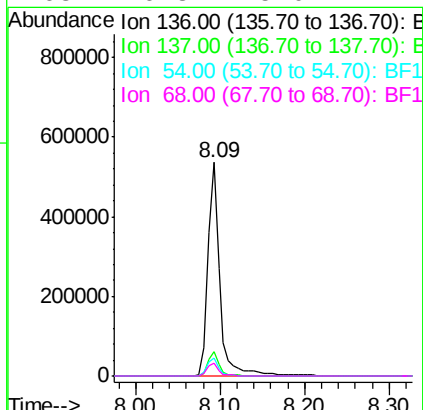
Instrument :
BNA_F
ClientSampled :
2

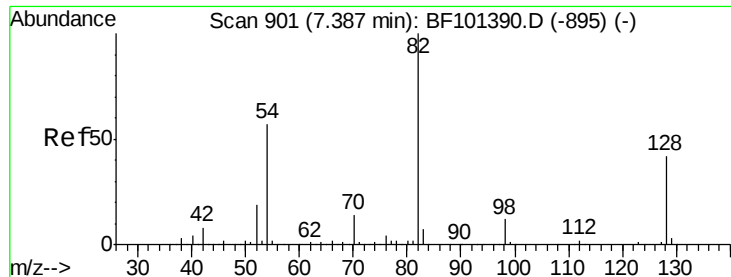
Tot Ion: 70 Resp: 72536
Ion Ratio Lower Upper
70 100
42 55.0 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

Tgt Ion: 136 Resp: 531204
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.4 6.6 9.8
68 6.3 5.0 7.4

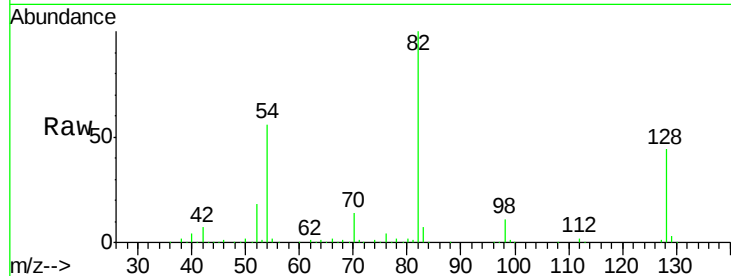




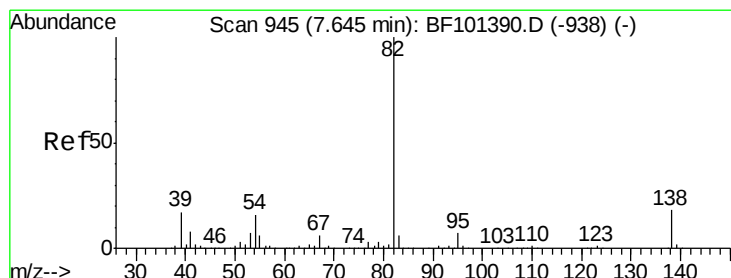
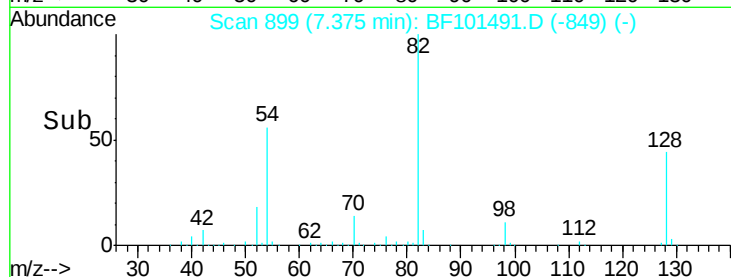
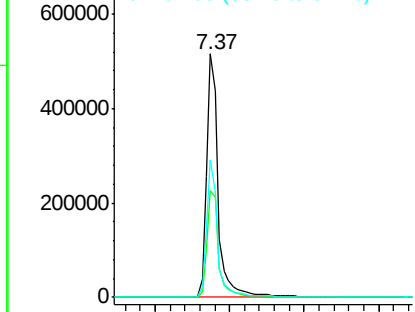
#23
 Nitrobenzene-d5
 Concen: 59.09 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion: 82 Resp: 563926
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.1 54.1
 54 56.3 41.4 62.2

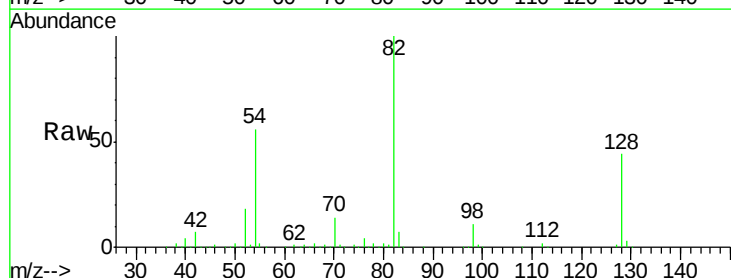


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

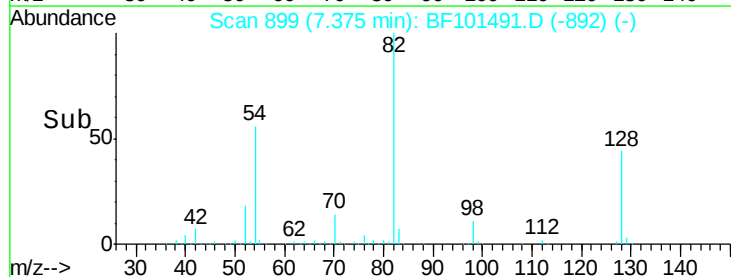
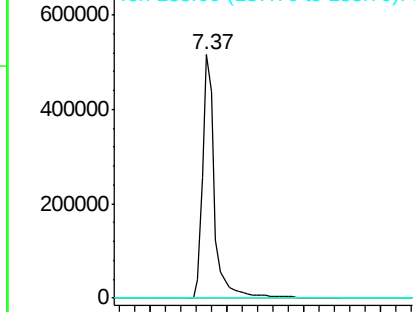


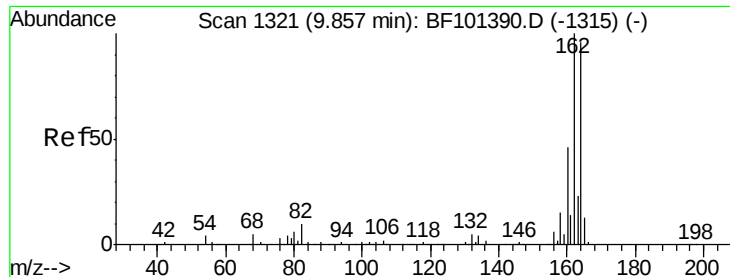
#25
 Isophorone
 Concen: 29.46 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Tgt Ion: 82 Resp: 563970
 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): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

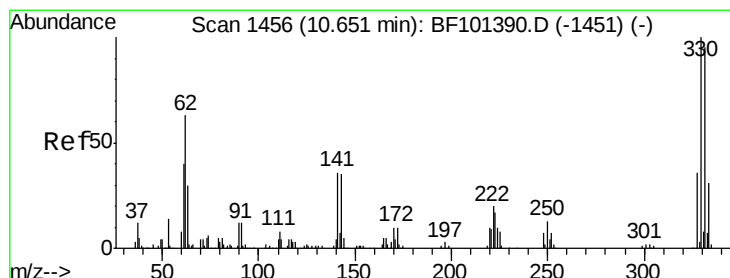
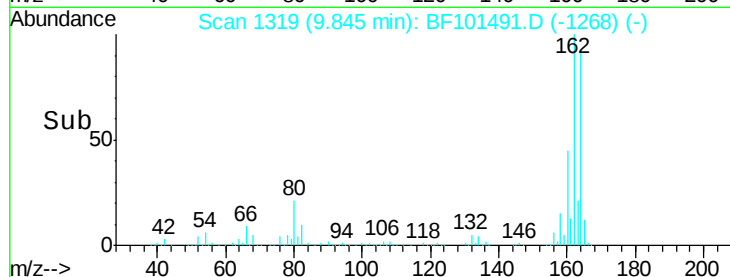
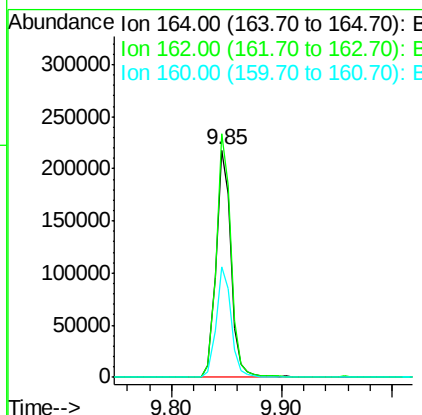
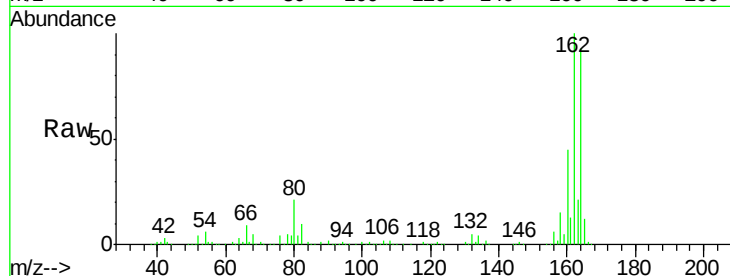




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

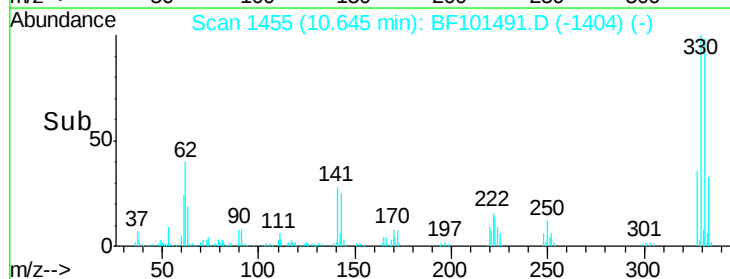
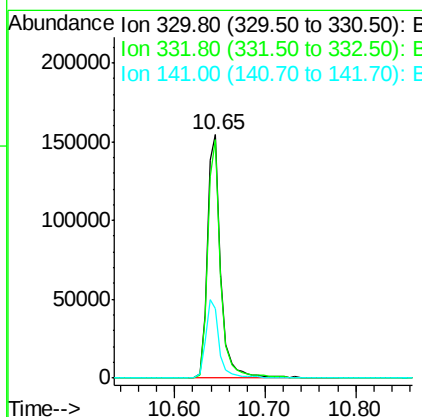
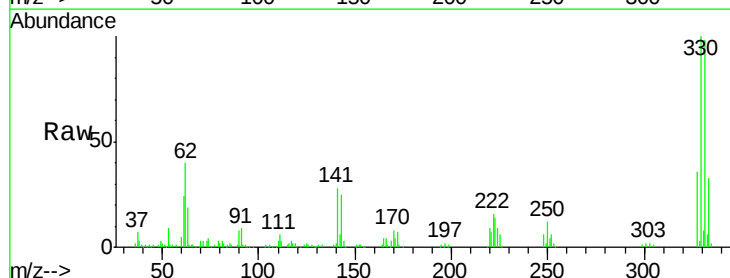
Instrument :
 BNA_F
 ClientSampleId :
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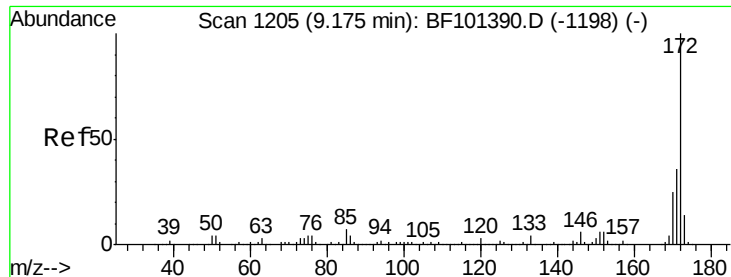
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.1	86.1	129.1
160	48.5	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 81.95 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	32.3	29.9	44.9

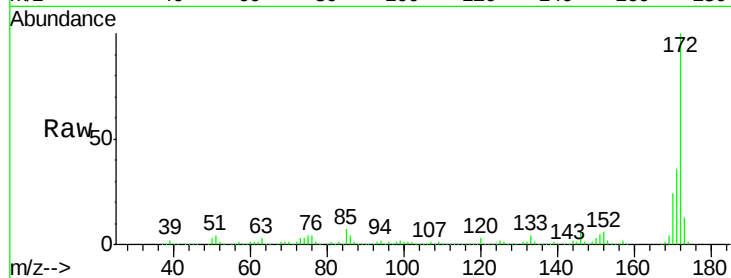




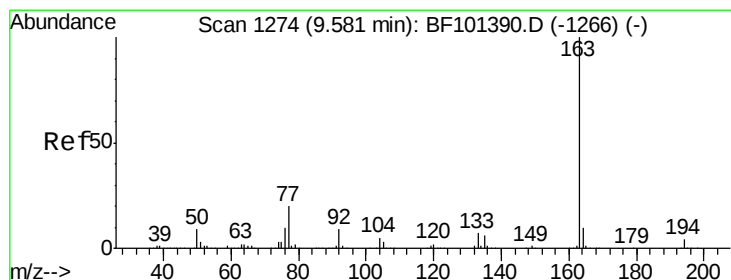
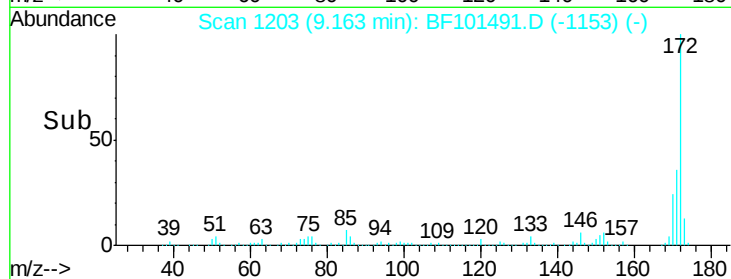
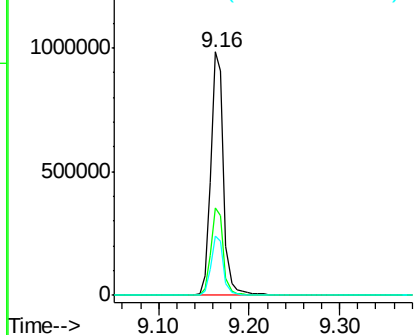
#44
2-Fluorobiphenyl
Concen: 74.21 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

Instrument :
BNA_F
ClientSampled :
2

Tot Ion:172 Resp: 977559
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4

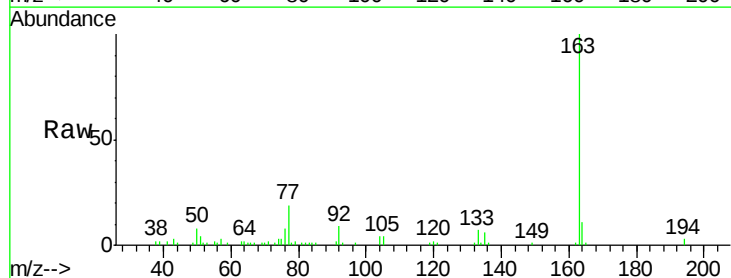


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

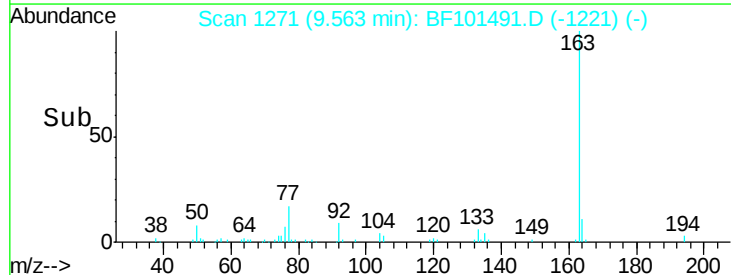
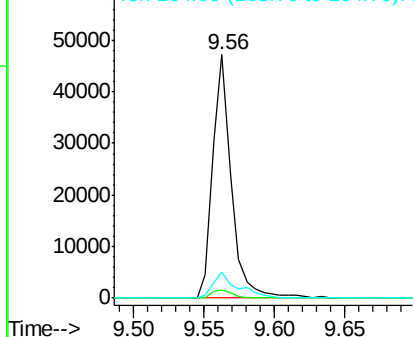


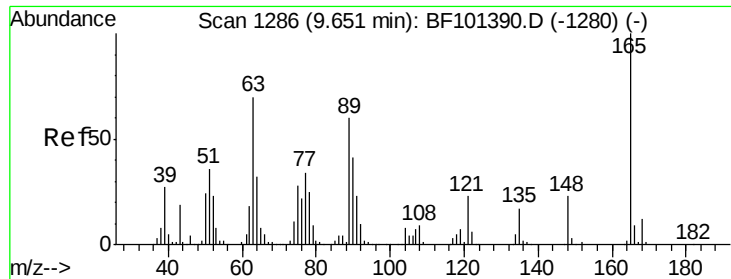
#49
Dimethylphthalate
Concen: 2.63 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

Tgt Ion:163 Resp: 43290
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.7 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

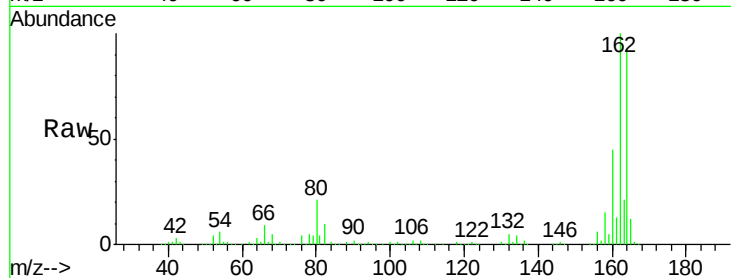




#50
 2,6-Dinitrotoluene
 Concen: 7.84 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.20 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Instrument :
 BNA_F
 ClientSampleId :
 2

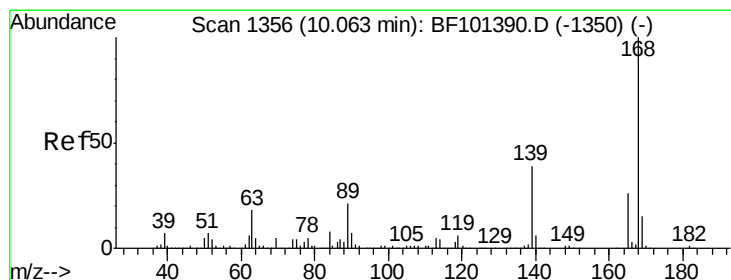
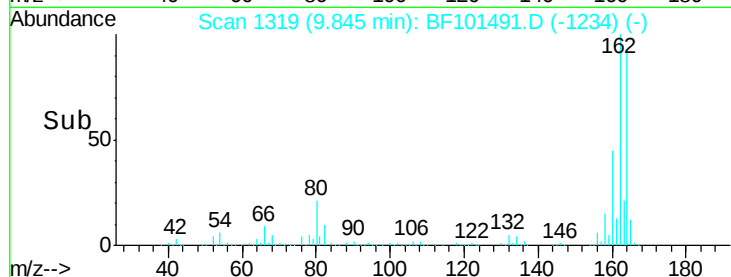
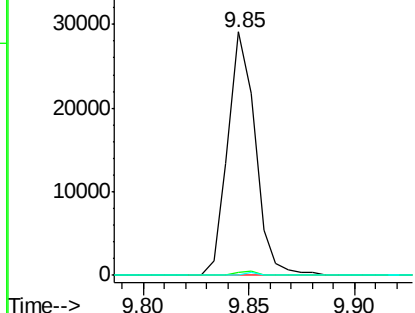
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

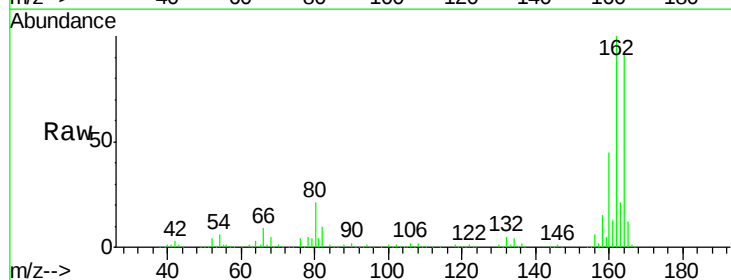
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

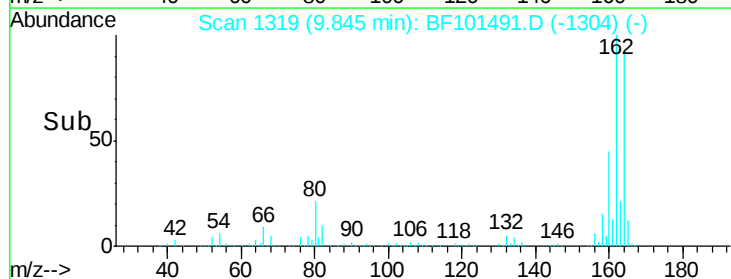
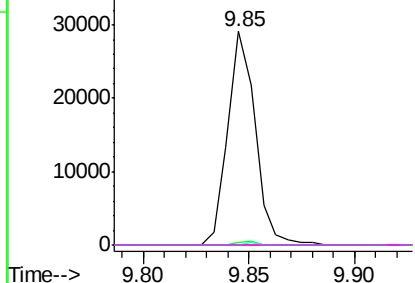


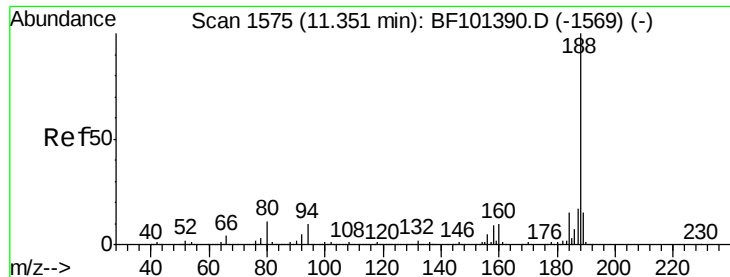
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

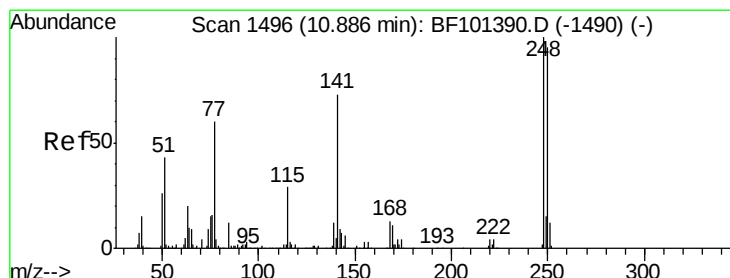
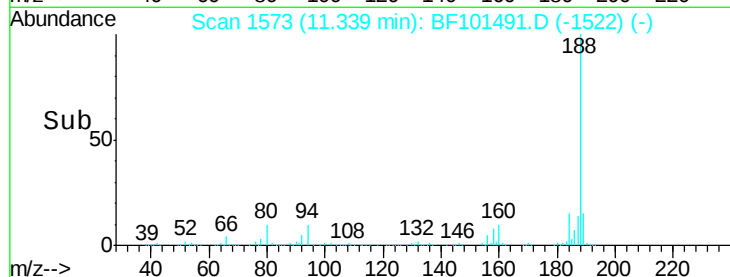
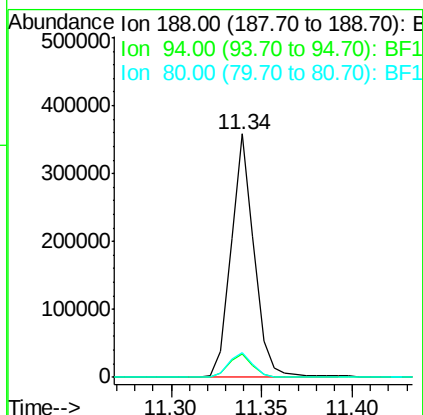
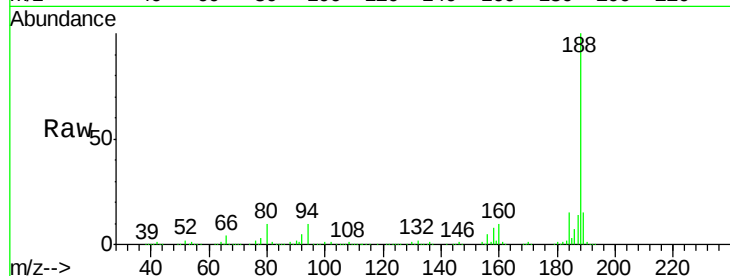




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

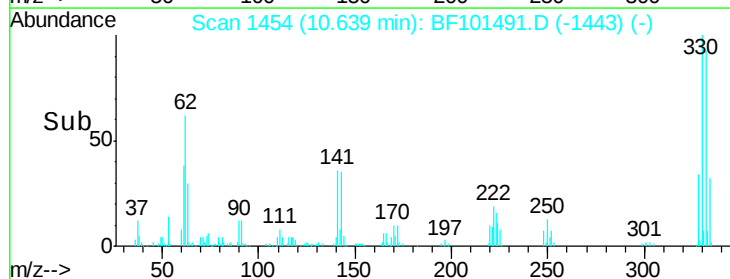
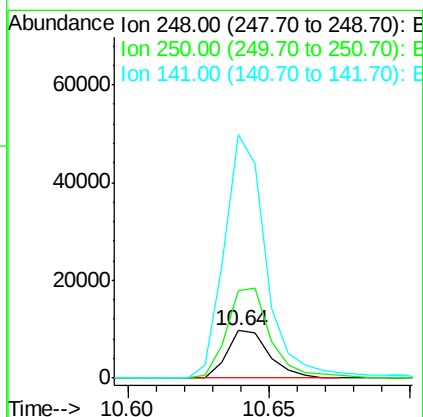
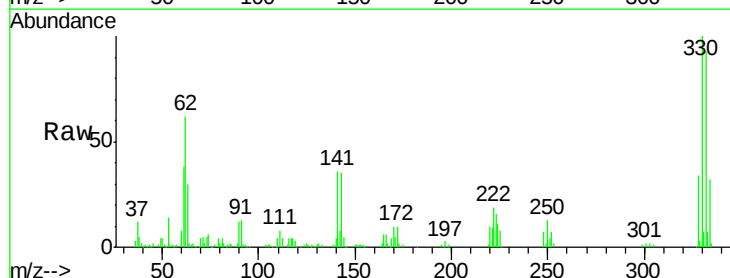
Instrument :
BNA_F
ClientSampleId :
2

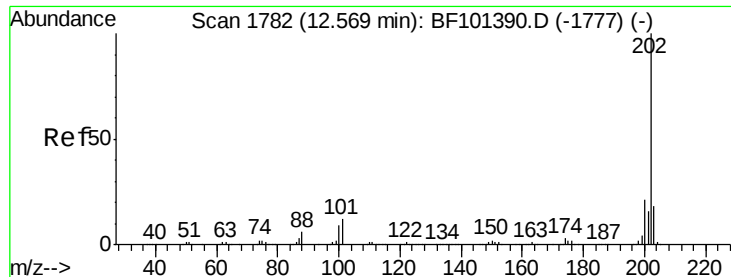
Tot Ion:188 Resp: 316554
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.81 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF101491.D
Acq: 18 Dec 2017 20:03

Tgt Ion:248 Resp: 9996
Ion Ratio Lower Upper
248 100
250 183.3 76.9 115.3#
141 513.5 74.4 111.6#





#74

Fluoranthene

Concen: 2.18 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

Instrument :

BNA_F

ClientSampleId :

2

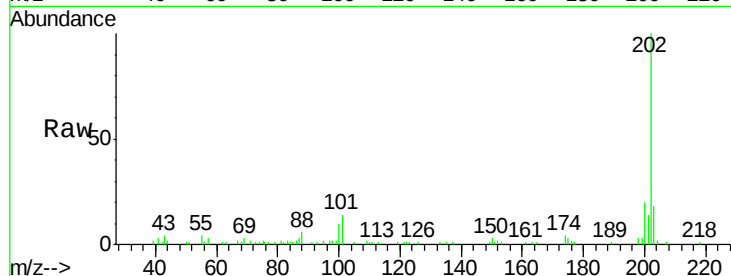
Tot Ion:202 Resp: 40292

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

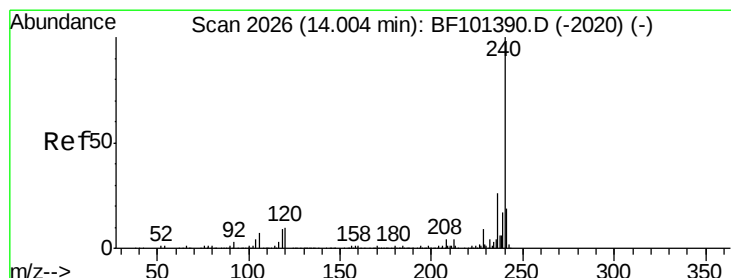
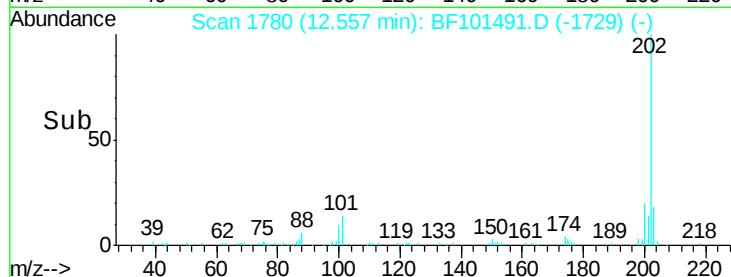
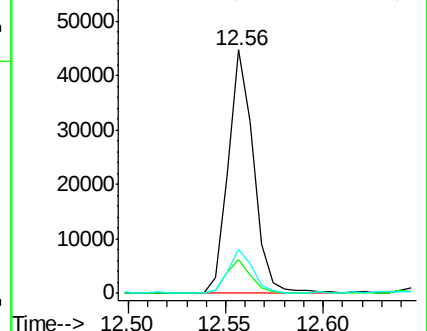
203 17.9 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

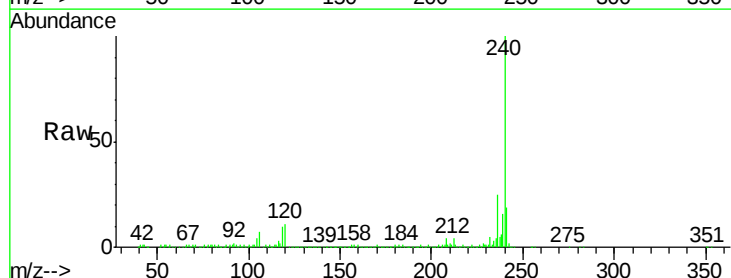
Tgt Ion:240 Resp: 286361

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

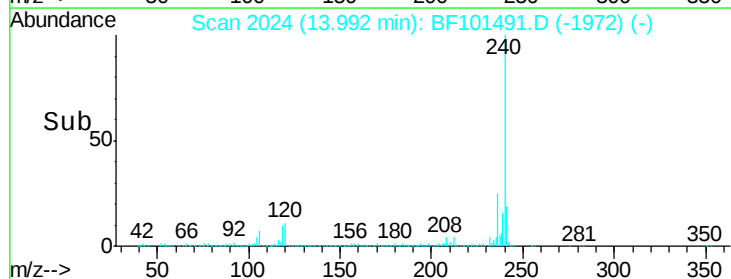
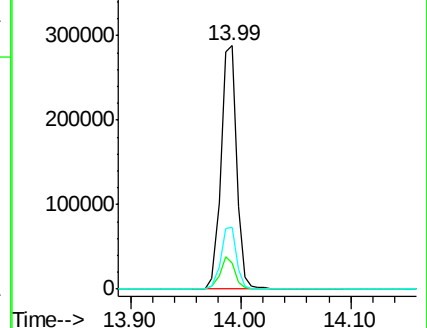
236 25.3 20.7 31.1

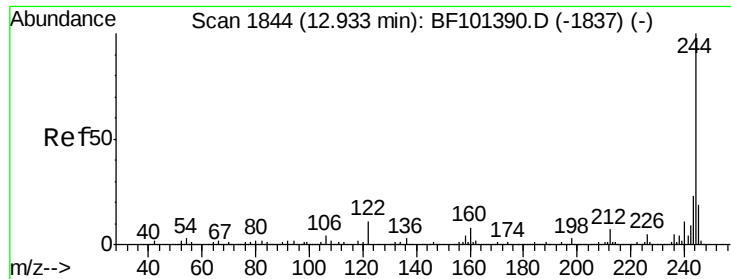


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

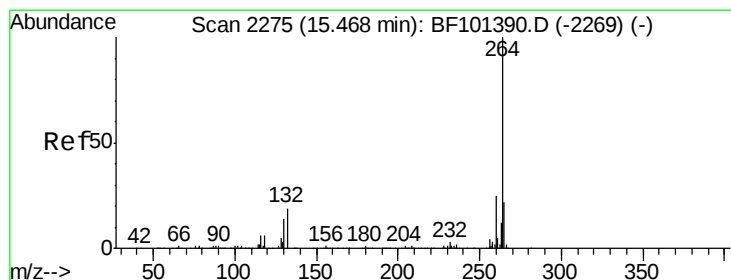
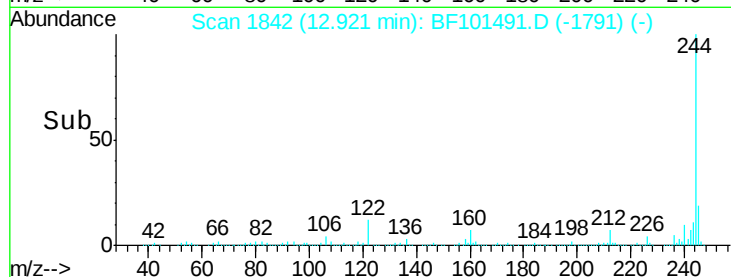
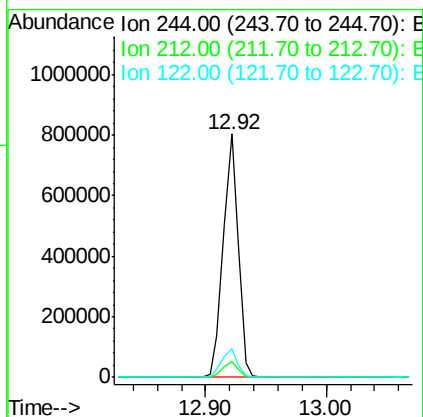
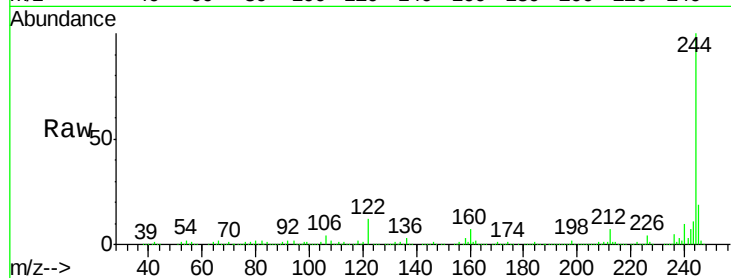




#78
 Terphenyl-d14
 Concen: 58.20 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

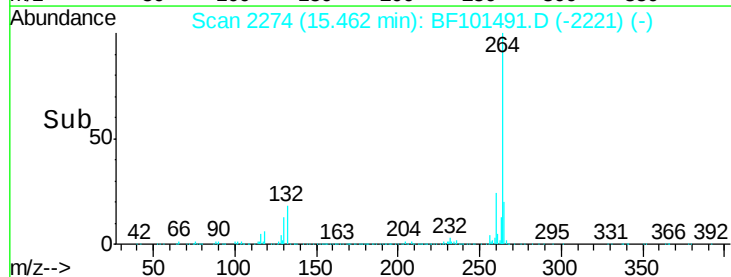
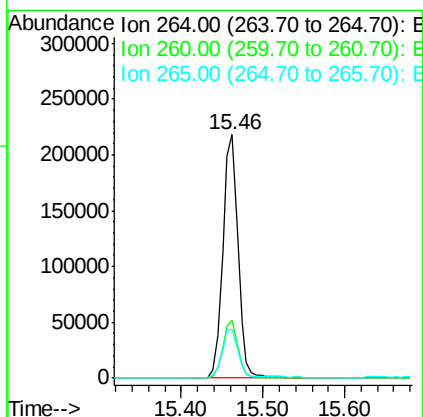
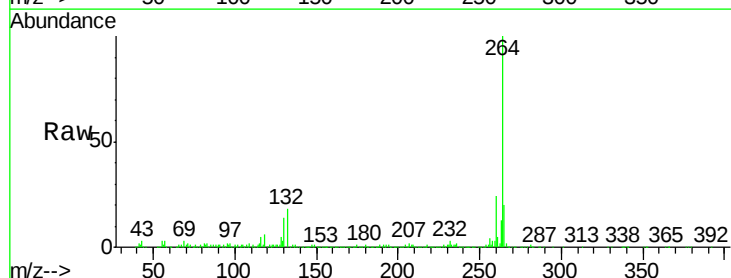
Instrument :
 BNA_F
 ClientSampleId :
 2

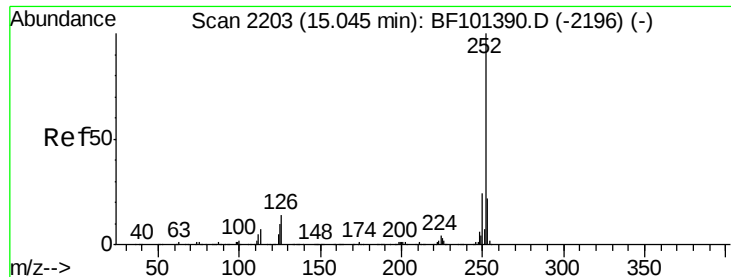
Tot Ion:244 Resp: 691326
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF101491.D
 Acq: 18 Dec 2017 20:03

Tgt Ion:264 Resp: 281876
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 20.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.58 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

Instrument :

BNA_F

ClientSampled :

2

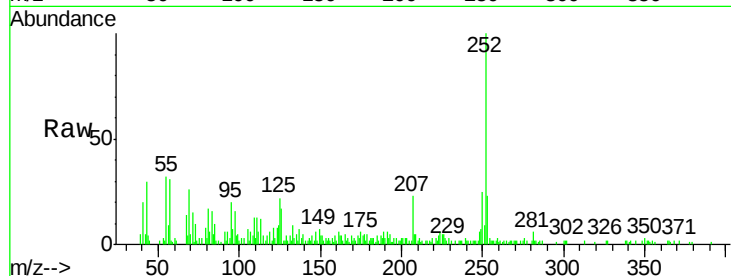
Tot Ion:252 Resp: 44333

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

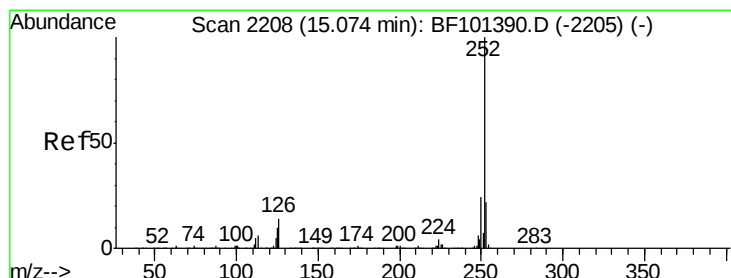
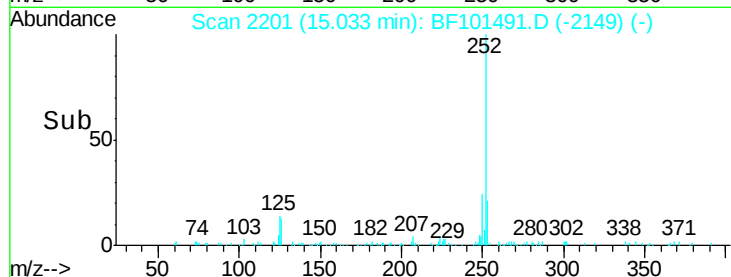
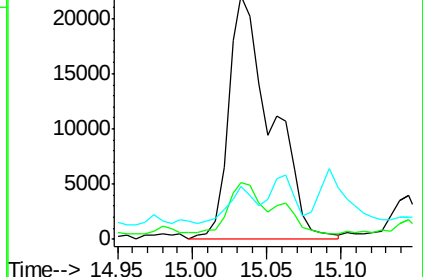
125 21.9 9.0 13.6#



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: 2.65 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101491.D

Acq: 18 Dec 2017 20:03

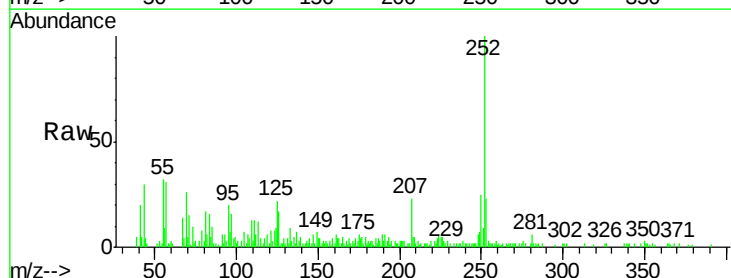
Tgt Ion:252 Resp: 44333

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 21.9 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

