

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101486.D
 Acq On : 18 Dec 2017 17:47
 Operator : SJ/JU
 Sample : I6619-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339

Quant Time: Dec 19 01:23:12 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

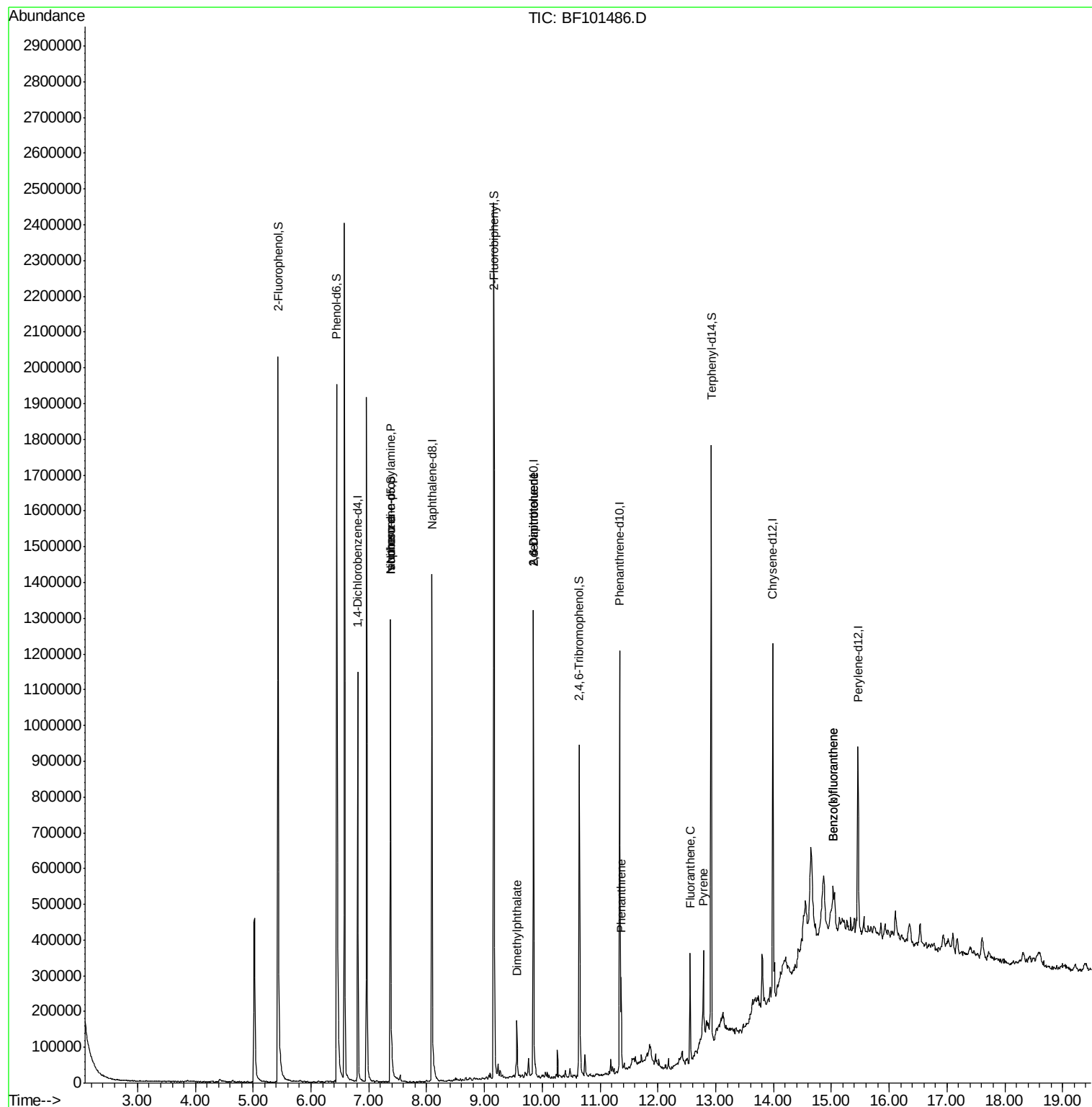
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	188781	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	694377	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	268798	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	419209	20.00	ng	0.00
75) Chrysene-d12	13.99	240	339606	20.00	ng	0.00
86) Perylene-d12	15.46	264	259301	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	665790	52.53	ng	0.00
7) Phenol-d6	6.45	99	790062	50.09	ng	0.00
23) Nitrobenzene-d5	7.37	82	451894	36.23	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	124909	48.23	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	773889	44.66	ng	0.00
78) Terphenyl-d14	12.92	244	538047	38.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	60465	5.84	ng	Qvalue # 81
25) Isophorone	7.37	82	451890	18.06	ng	# 64
49) Dimethylphthalate	9.56	163	62475	2.89	ng	100
50) 2,6-Dinitrotoluene	9.85	165	34944	7.95	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	34944	7.06	ng	# 23
70) Phenanthrene	11.36	178	87945	3.77	ng	100
74) Fluoranthene	12.56	202	113869	4.65	ng	96
77) Pyrene	12.79	202	88608	3.48	ng	97
87) Benzo(b)fluoranthene	15.03	252	50382	3.19	ng	# 89
88) Benzo(k)fluoranthene	15.03	252	50382	3.28	ng	# 92

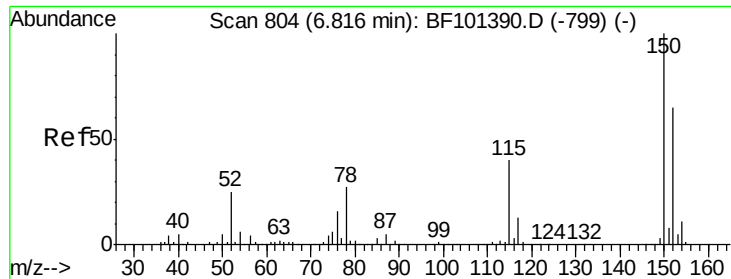
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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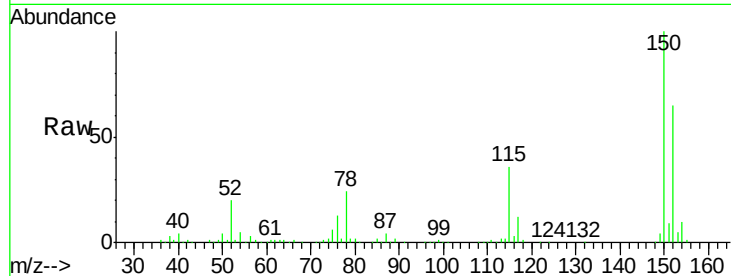


#1

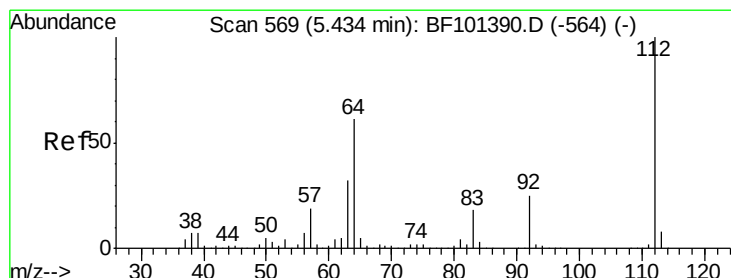
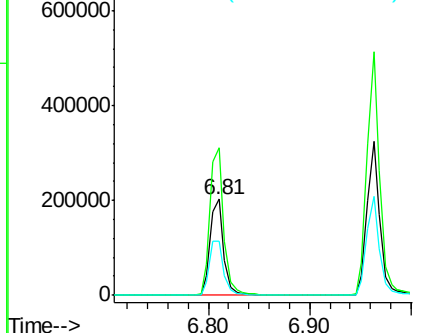
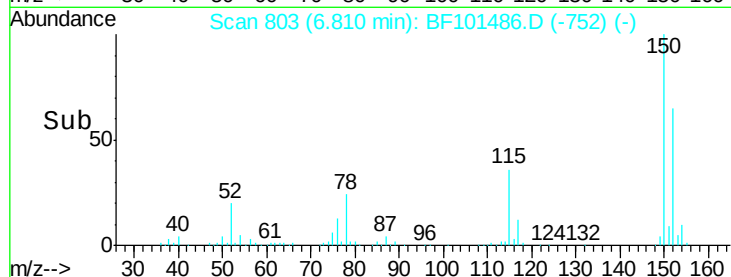
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Instrument :
BNA_F
ClientSampleId :
339

Tot Ion:152 Resp: 188781
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 56.0 50.1 75.1



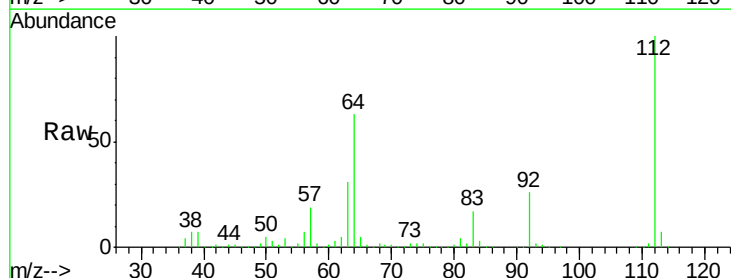
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



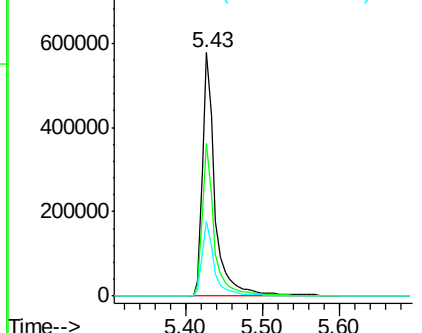
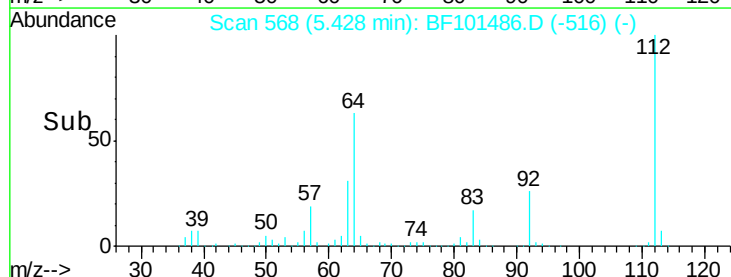
#5

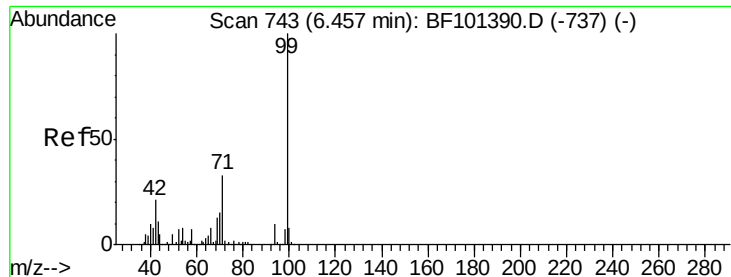
2-Fluorophenol
Concen: 52.53 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Tgt Ion:112 Resp: 665790
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 30.9 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: 50.09 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Instrument :

BNA_F

ClientSampleId :

339

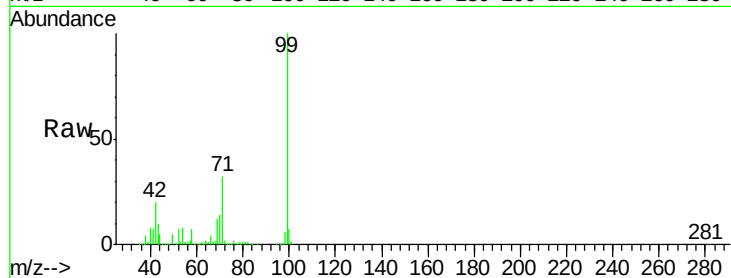
Tot Ion: 99 Resp: 790062

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

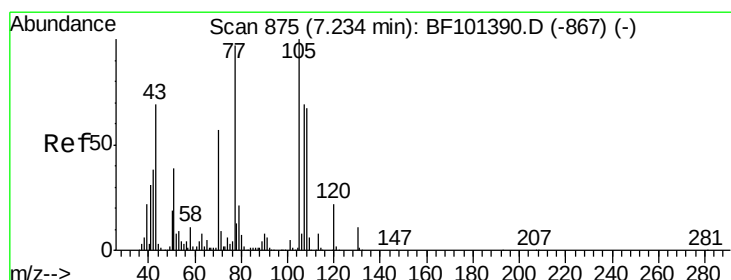
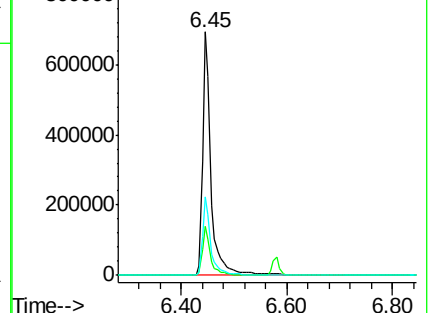
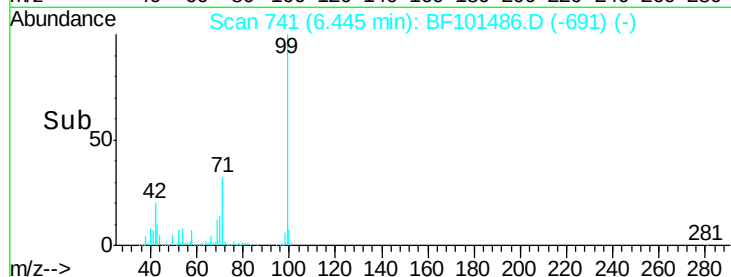
71 32.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.84 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Tgt Ion: 70 Resp: 60465

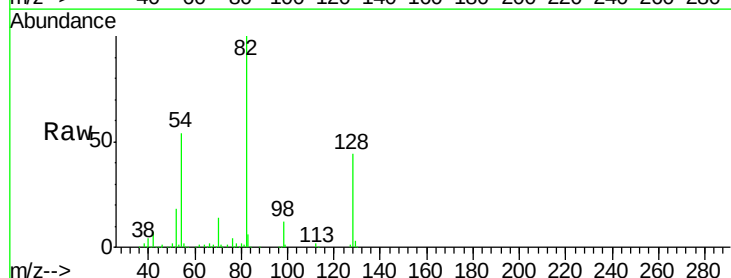
Ion Ratio Lower Upper

70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

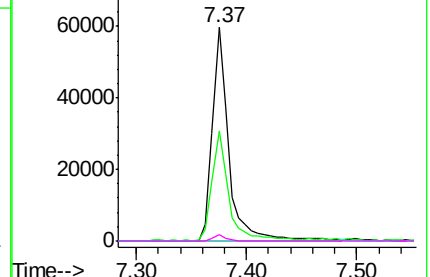
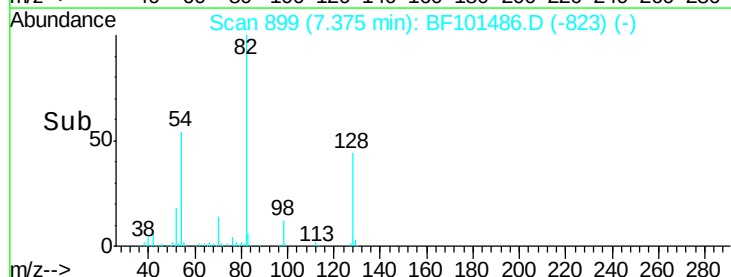


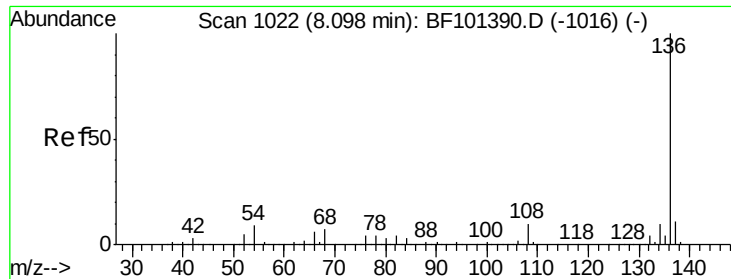
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

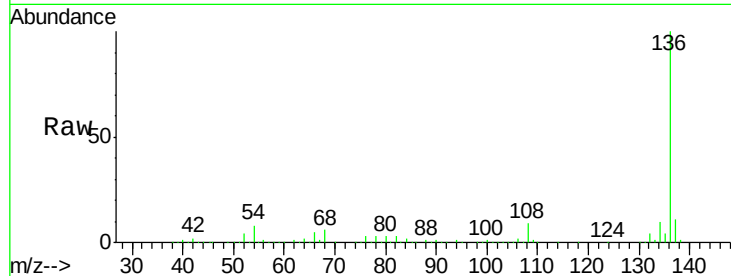




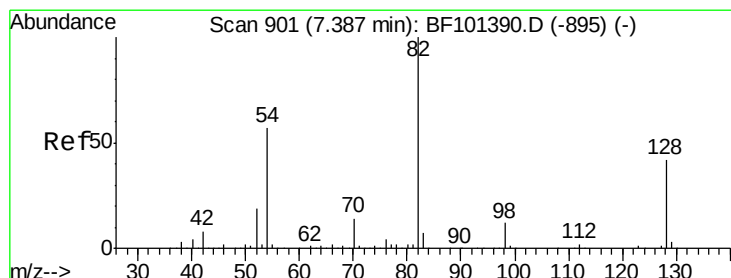
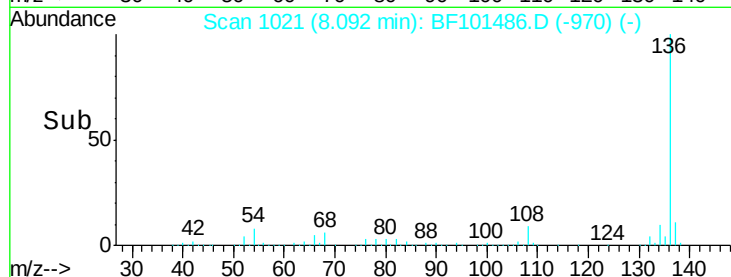
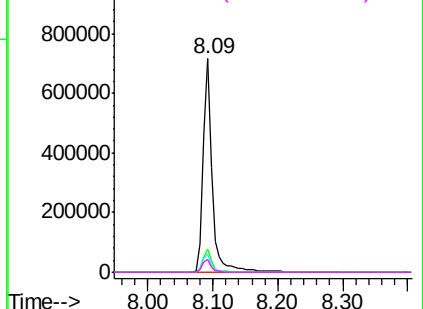
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Instrument :
BNA_F
ClientSampled :
339

Tot Ion:136	Resp:	694377
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	8.5	6.6 9.8
68	6.2	5.0 7.4

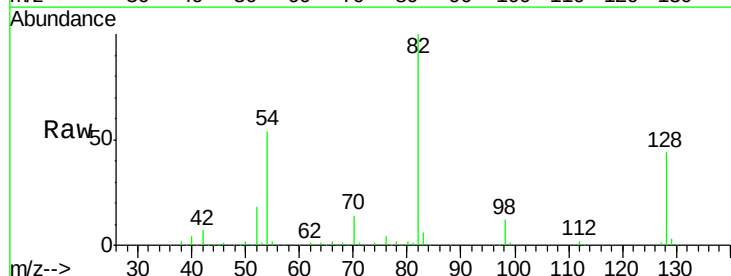


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

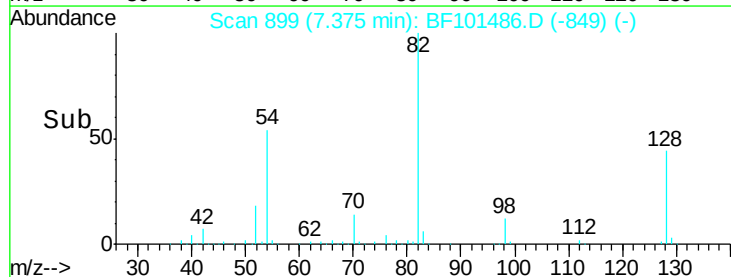
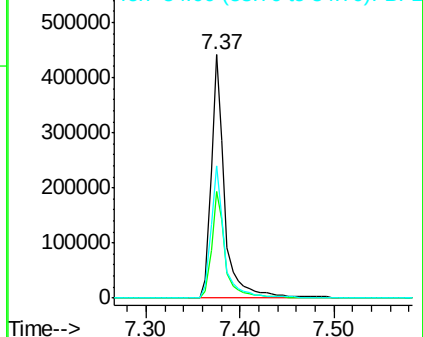


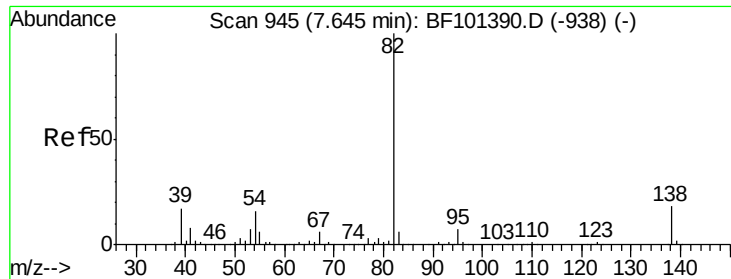
#23
Nitrobenzene-d5
Concen: 36.23 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Tgt Ion: 82	Resp:	451894
Ion Ratio	Lower	Upper
82	100	
128	44.0	36.1 54.1
54	54.4	41.4 62.2



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





#25

Isophorone

Concen: 18.06 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Instrument :

BNA_F

ClientSampleId :

339

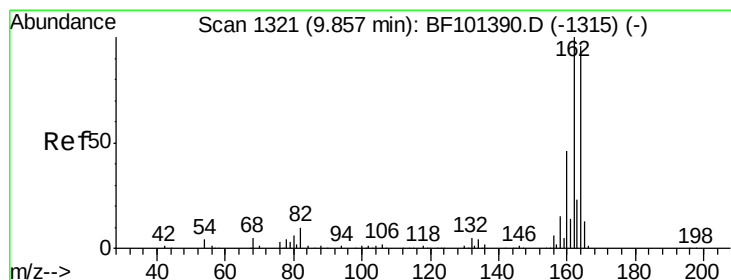
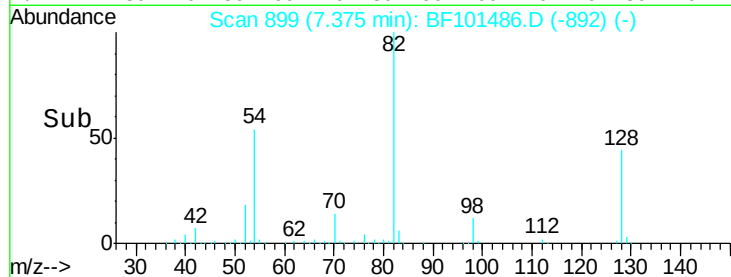
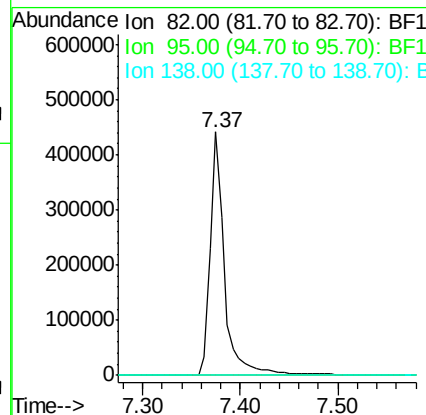
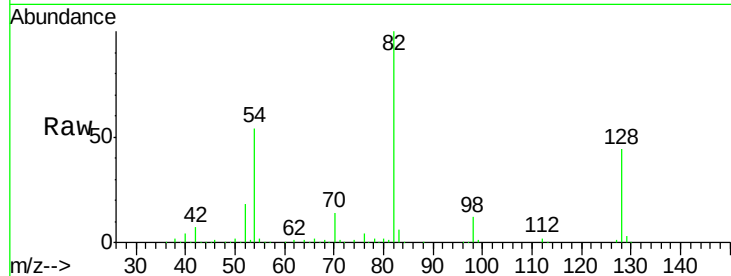
Tot Ion: 82 Resp: 451890

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

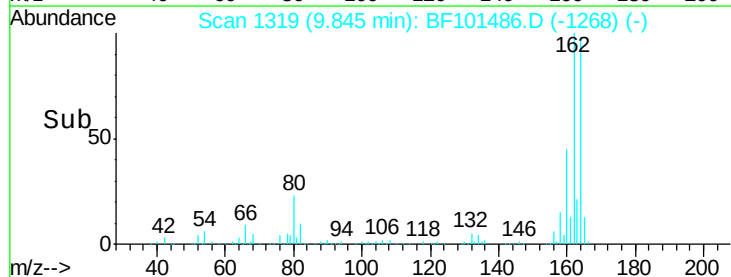
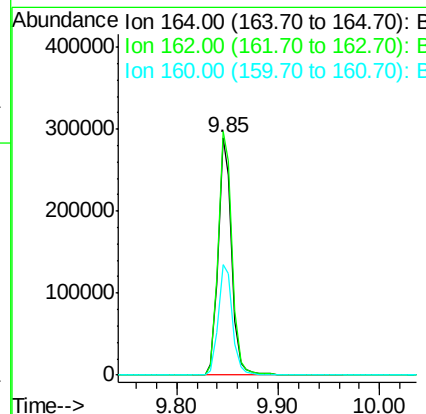
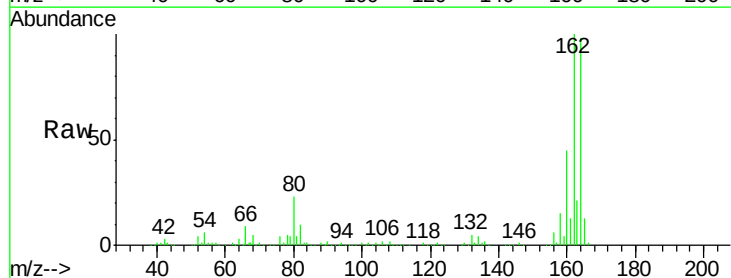
Tgt Ion:164 Resp: 268798

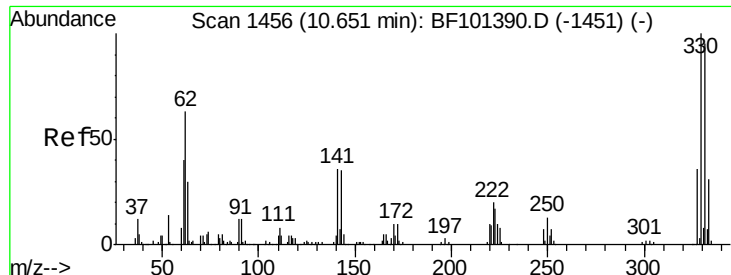
Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

160 46.4 38.3 57.5

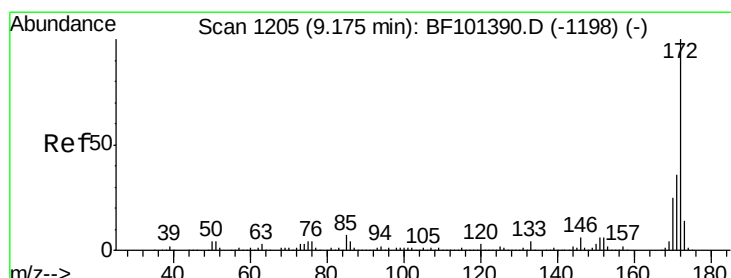
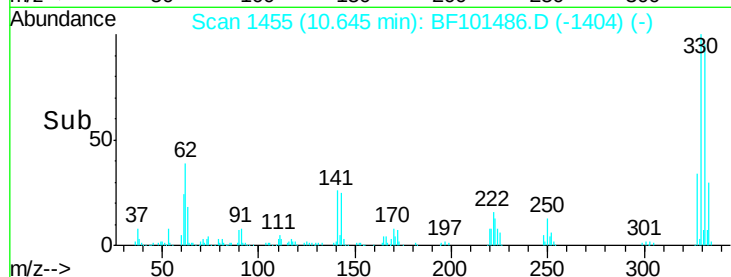
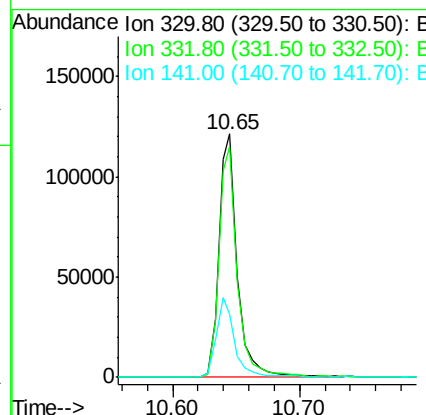
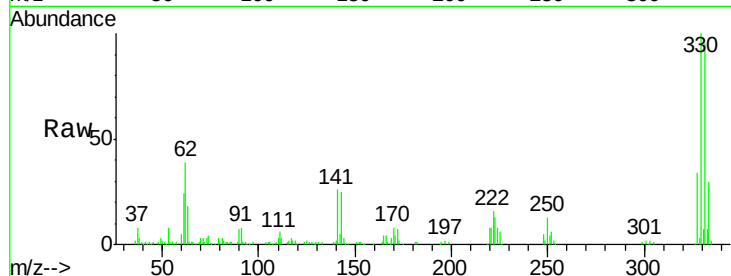




#41
 2,4,6-Tribromophenol
 Concen: 48.23 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101486.D
 Acq: 18 Dec 2017 17:47

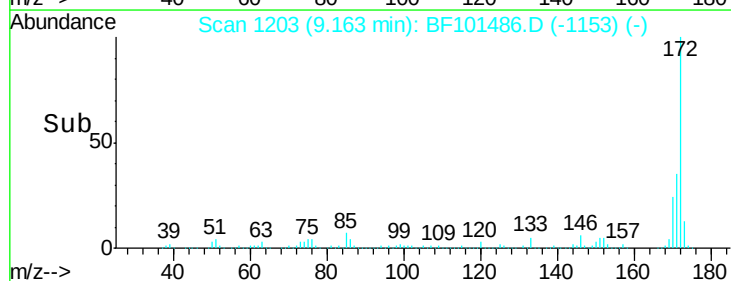
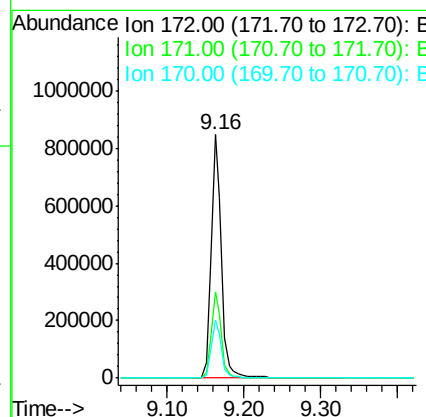
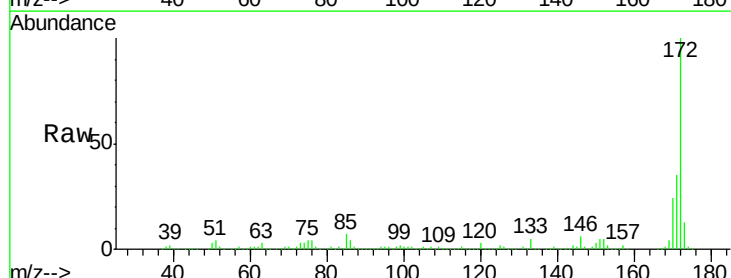
Instrument :
 BNA_F
 ClientSampleId :
 339

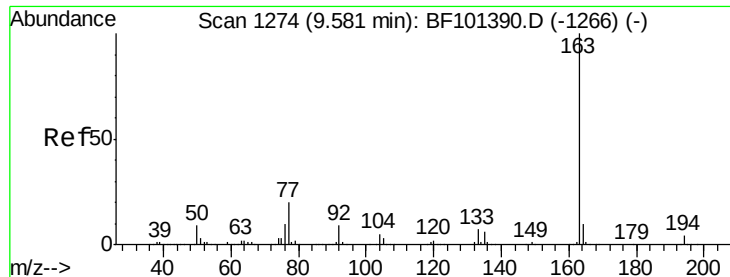
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 44.66 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101486.D
 Acq: 18 Dec 2017 17:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	19.6	29.4

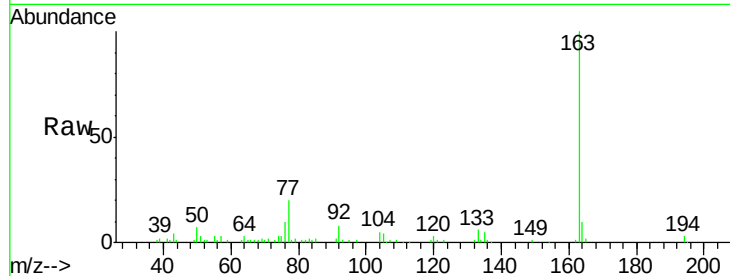




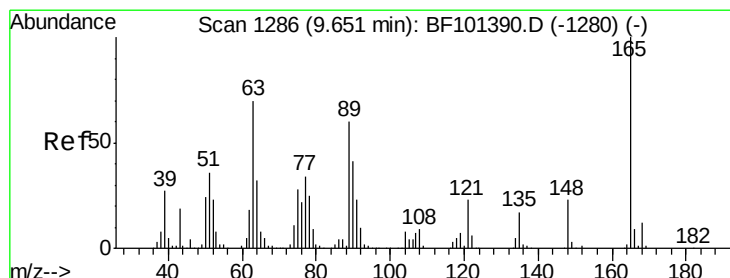
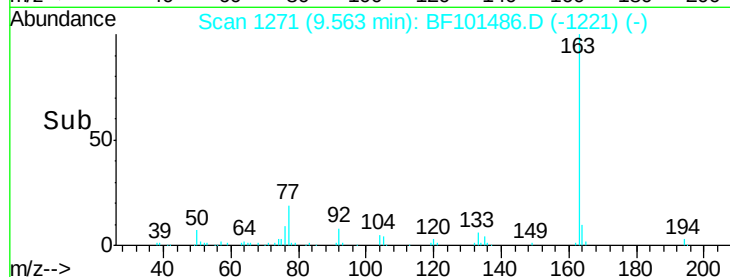
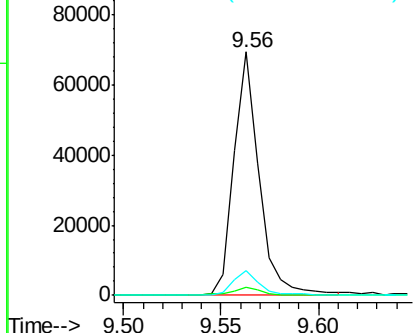
#49
Dimethylphthalate
Concen: 2.89 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Instrument :
BNA_F
ClientSampleId :
339

Tot Ion:163 Resp: 62475
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.4 8.2 12.2

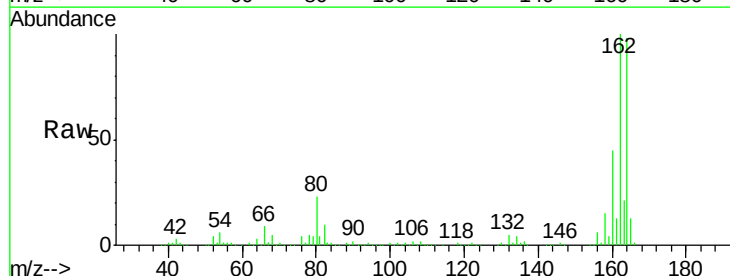


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

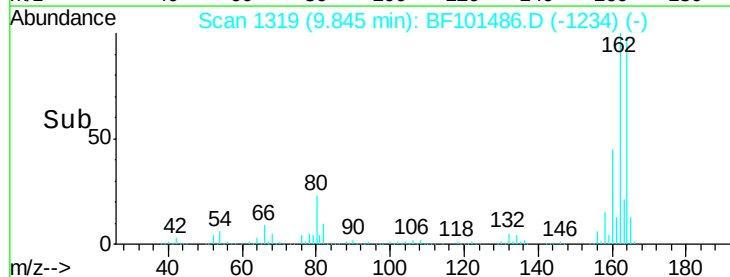
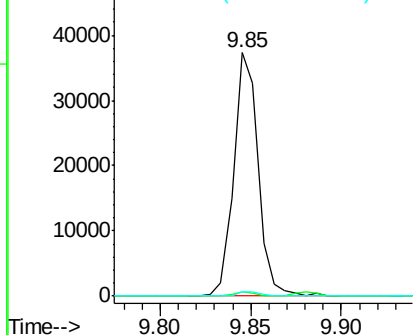


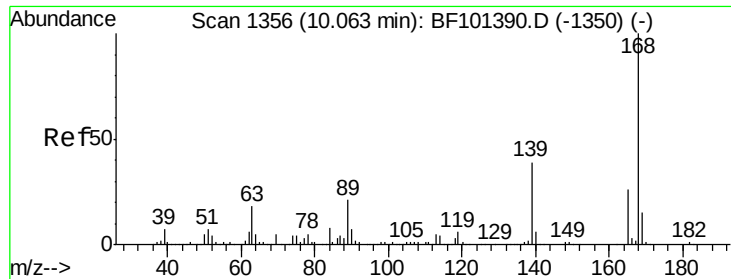
#50
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Tgt Ion:165 Resp: 34944
Ion Ratio Lower Upper
165 100
63 1.5 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): BF1
Ion 89.00 (88.70 to 89.70): BF1

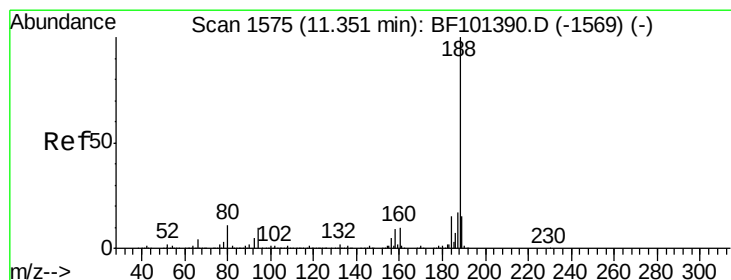
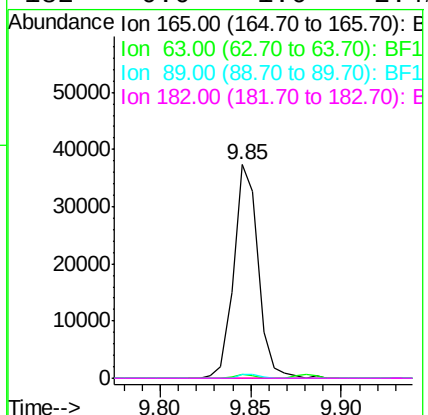
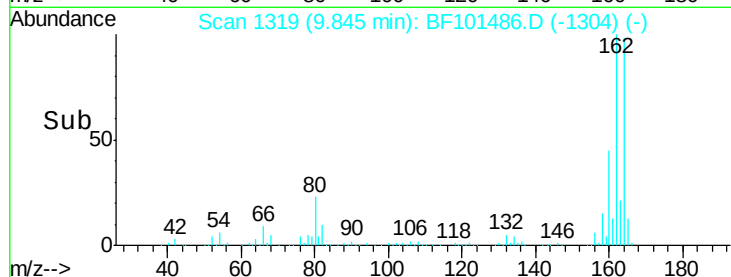
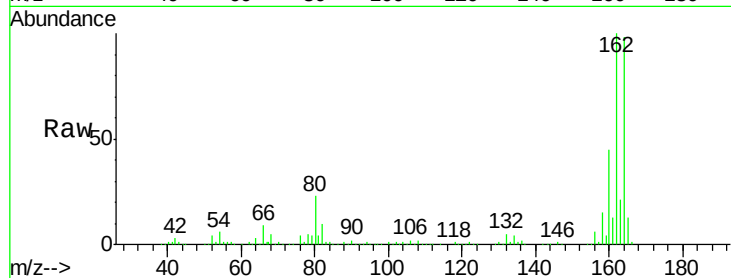




#56
 2,4-Dinitrotoluene
 Concen: 7.06 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF101486.D
 Acq: 18 Dec 2017 17:47

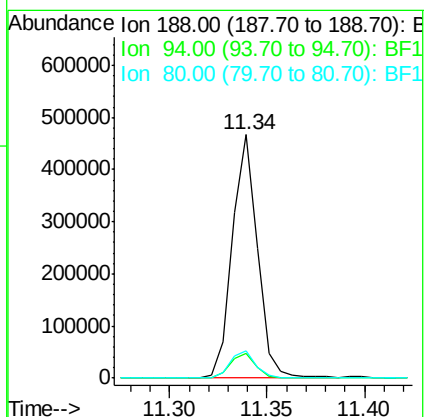
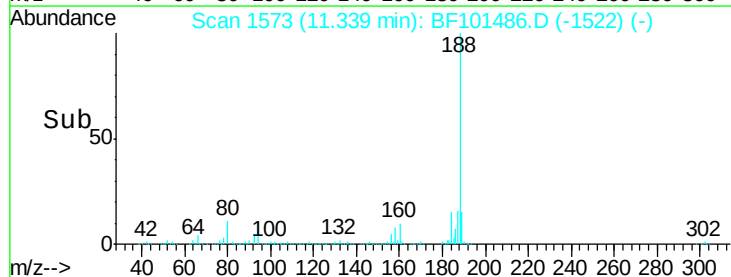
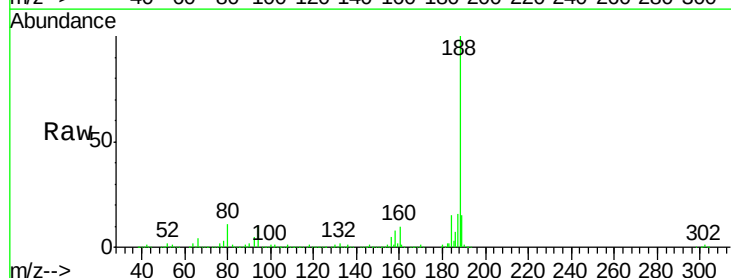
Instrument :
 BNA_F
 ClientSampleId :
 339

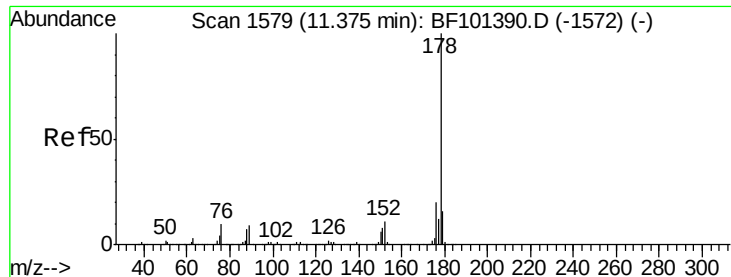
Tot Ion:165	Resp:	34944
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF101486.D
 Acq: 18 Dec 2017 17:47

Tgt Ion:188	Resp:	419209
Ion Ratio	Lower	Upper
188	100	
94	10.0	8.5 12.7
80	11.1	9.2 13.8

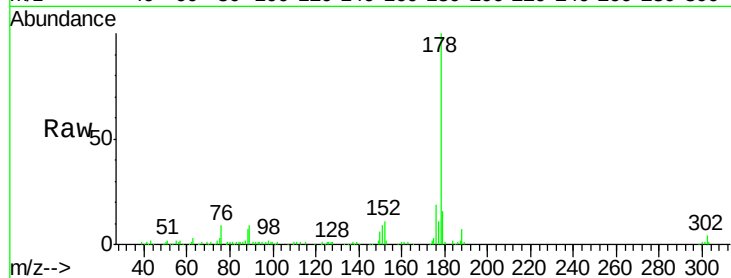




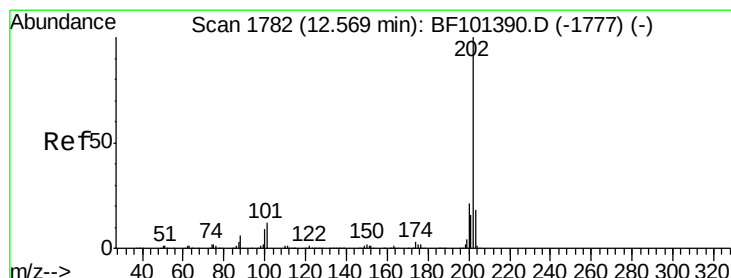
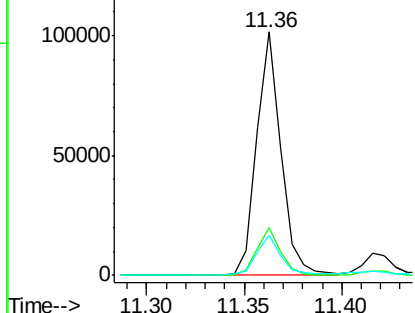
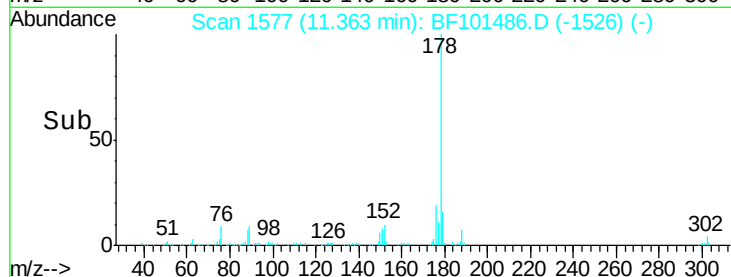
#70
Phenanthrene
Concen: 3.77 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Instrument :
BNA_F
ClientSampled :
339

Tot Ion:178 Resp: 87945
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.3 13.0 19.6

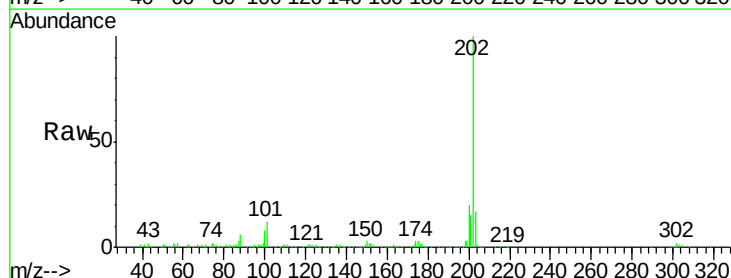


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

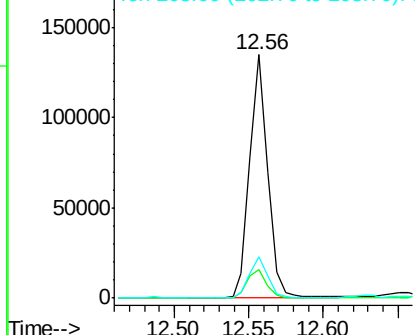
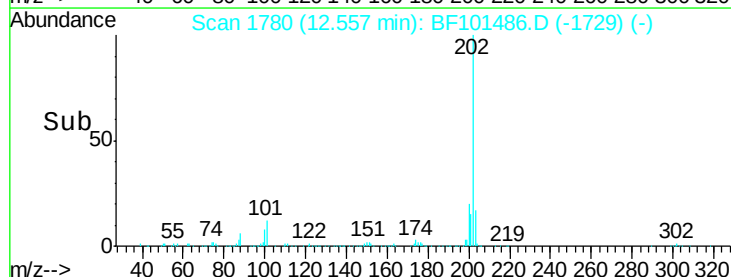


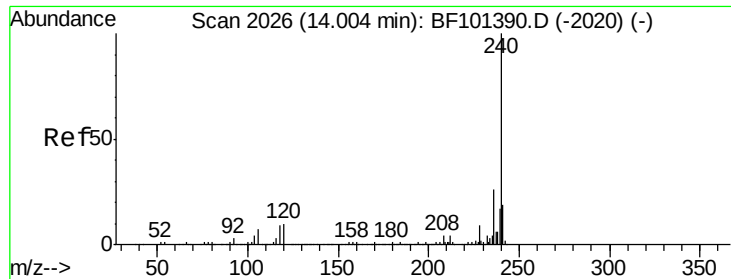
#74
Fluoranthene
Concen: 4.65 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BF101486.D
Acq: 18 Dec 2017 17:47

Tgt Ion:202 Resp: 113869
Ion Ratio Lower Upper
202 100
101 11.9 0.0 34.1
203 17.1 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# 2023

Delta R.T. 0.00 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Instrument :

BNA_F

ClientSampleId :

339

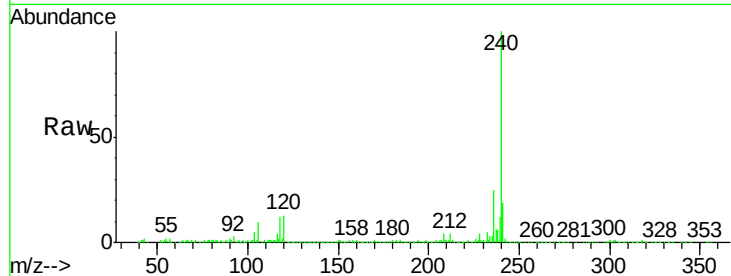
Tot Ion:240 Resp: 339606

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

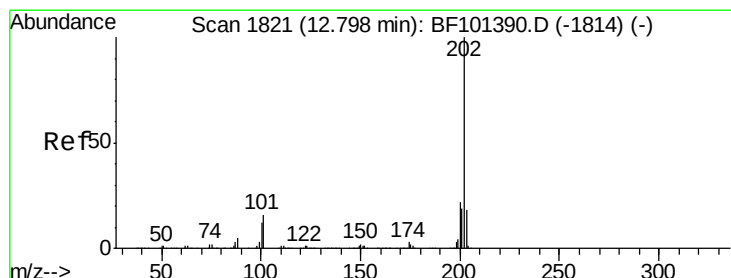
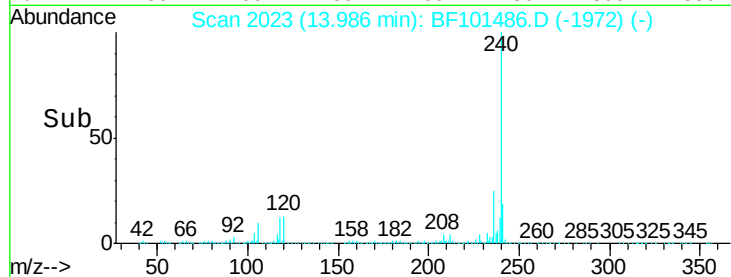
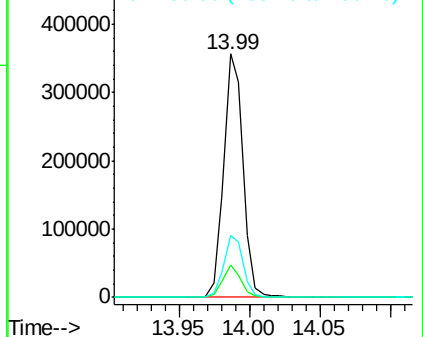
236 25.3 20.7 31.1



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



#77

Pyrene

Concen: 3.48 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

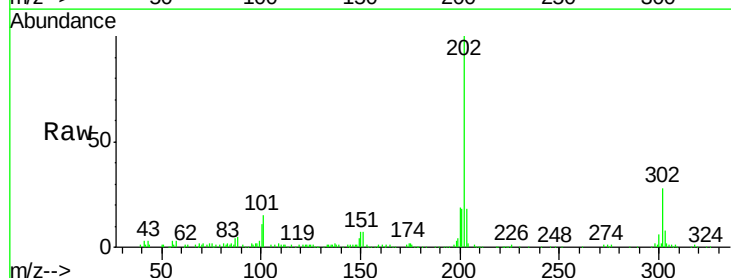
Tgt Ion:202 Resp: 88608

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

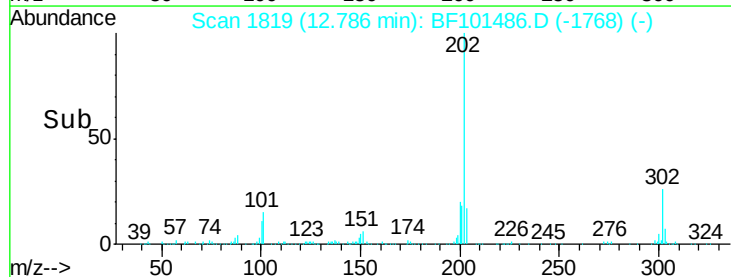
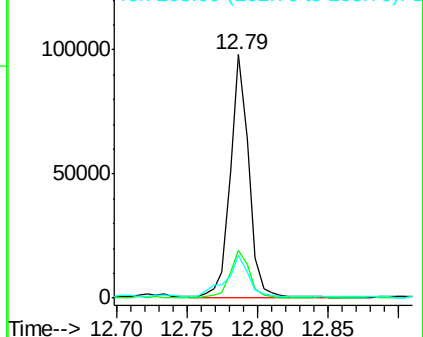
203 17.7 14.3 21.5

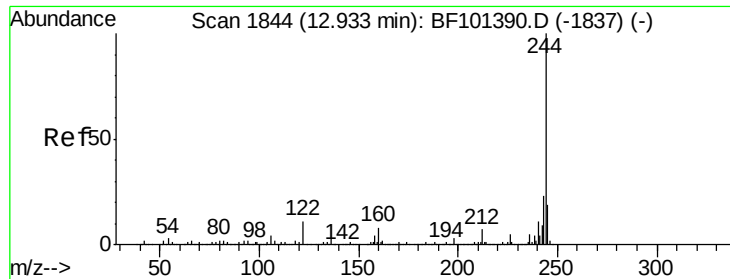


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.19 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Instrument :

BNA_F

ClientSampleId :

339

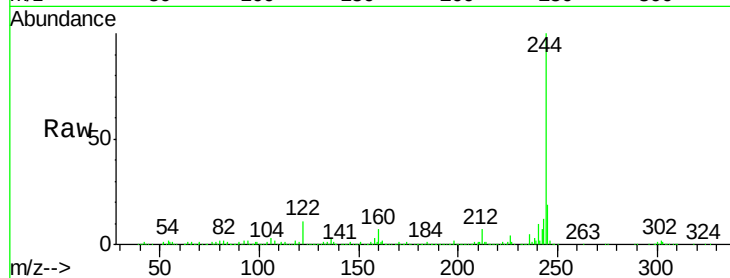
Tot Ion:244 Resp: 538047

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

800000

600000

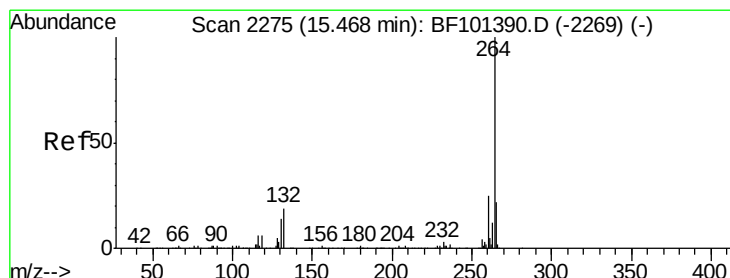
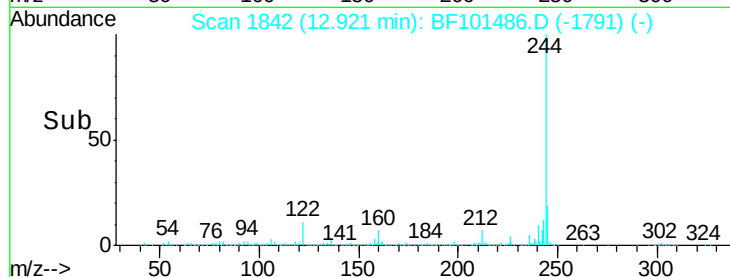
400000

200000

0

12.85 12.90 12.95 13.00

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

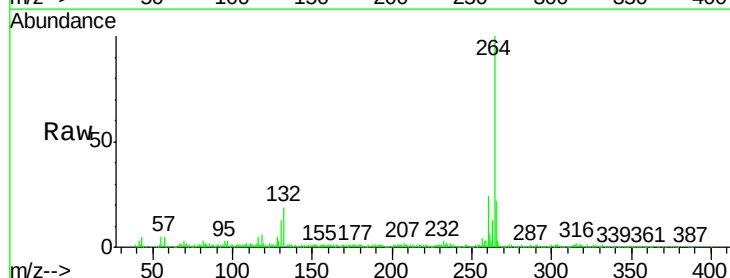
Tgt Ion:264 Resp: 259301

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.7 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

250000

200000

150000

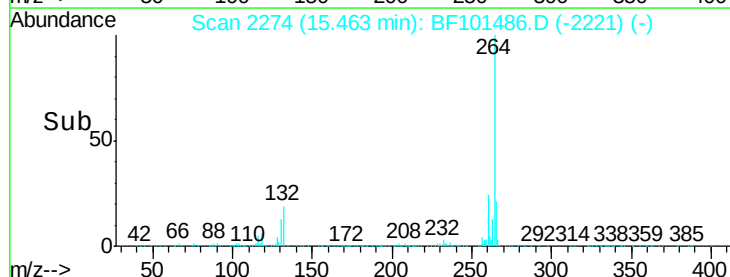
100000

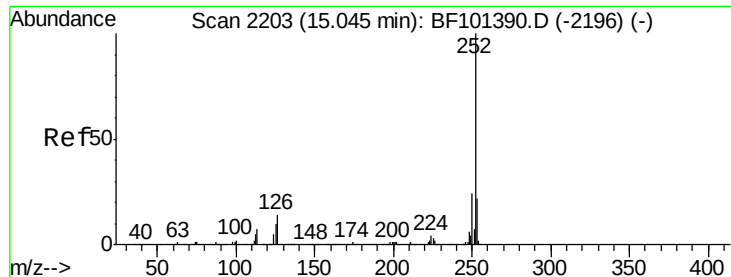
50000

0

15.40 15.45 15.50 15.60

Time-->





#87

Benzo(b)fluoranthene

Concen: 3.19 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

Instrument :

BNA_F

ClientSampleId :

339

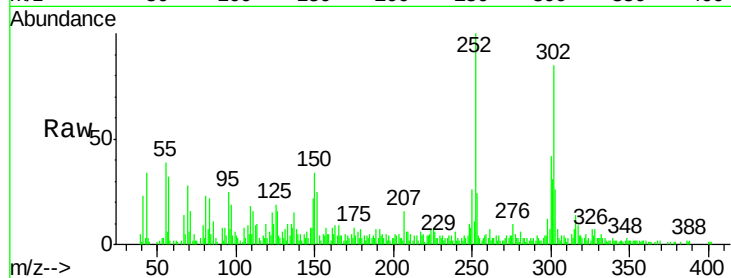
Tot Ion:252 Resp: 50382

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

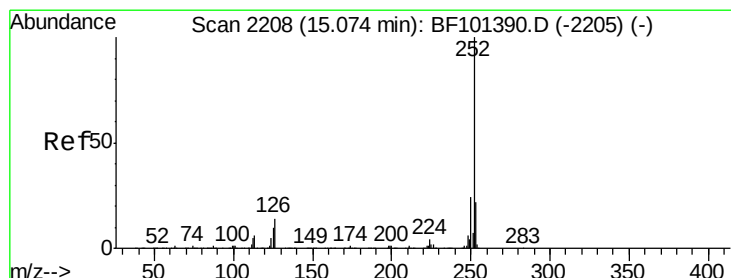
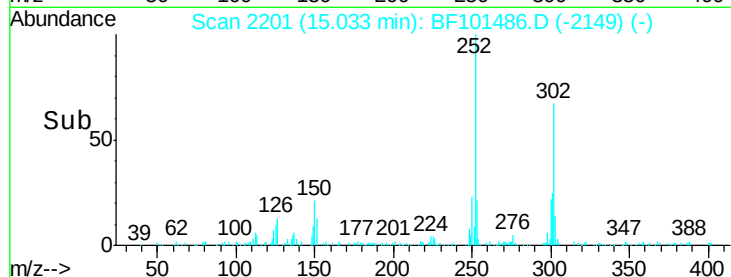
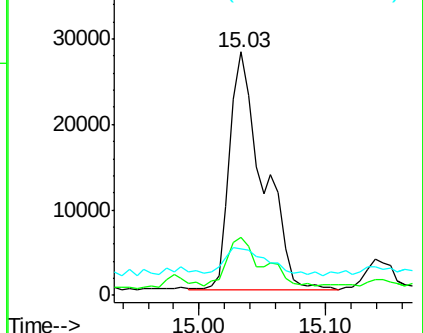
125 19.0 9.0 13.6#



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: 3.28 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101486.D

Acq: 18 Dec 2017 17:47

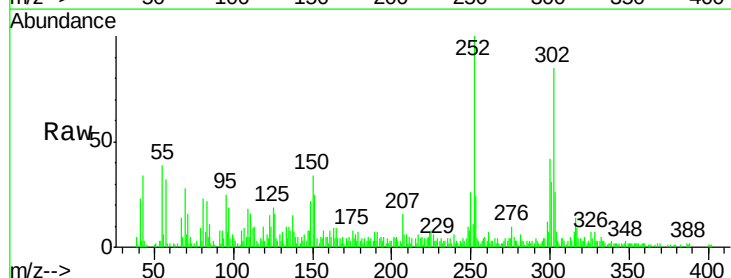
Tgt Ion:252 Resp: 50382

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 19.0 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

