

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101711.D
 Acq On : 26 Dec 2017 13:18
 Operator : SJ/JU
 Sample : I6683-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-A

Quant Time: Dec 26 13:53:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

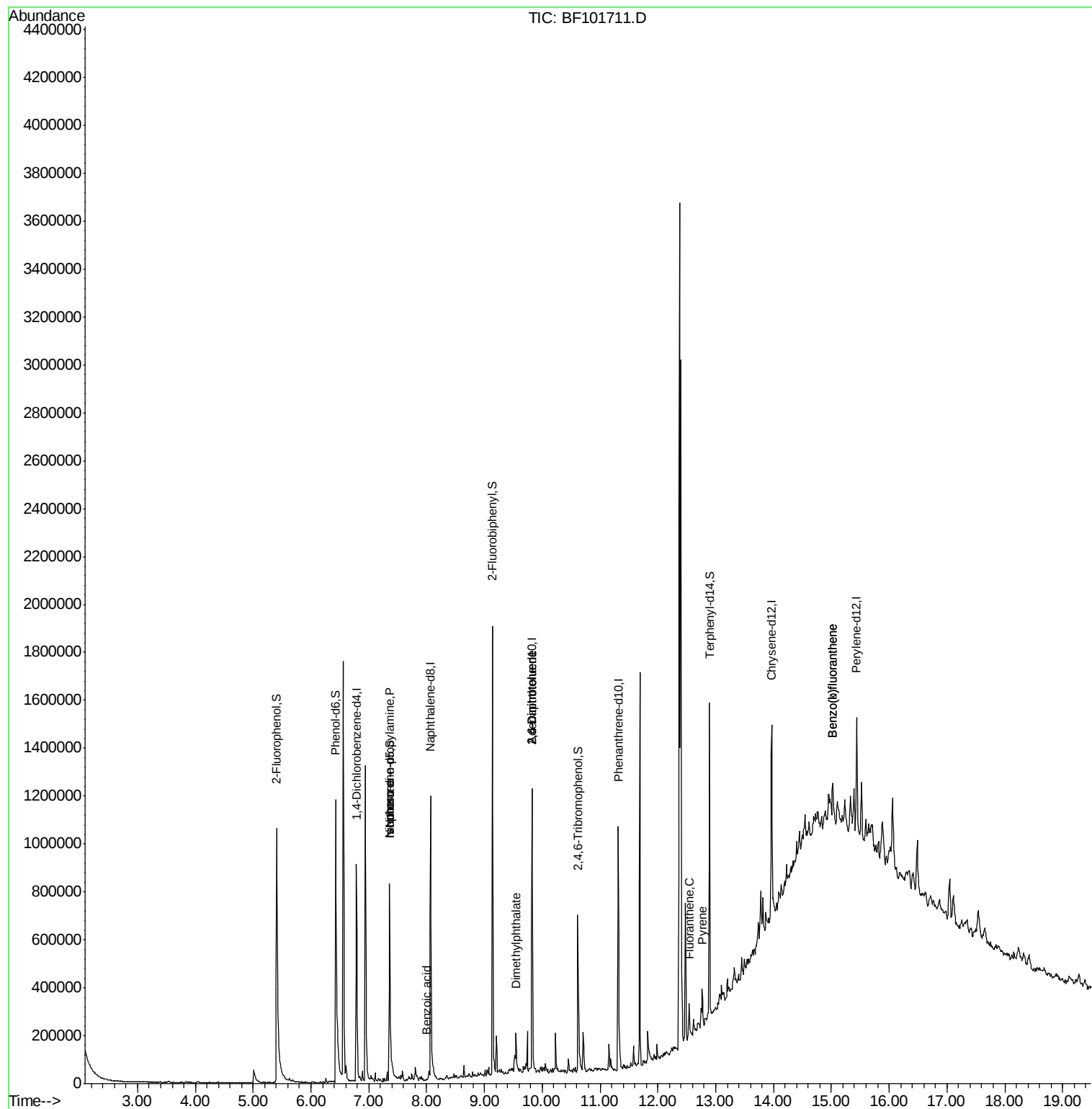
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	151676	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	583932	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	231269	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	375623	20.00	ng	0.00
75) Chrysene-d12	13.97	240	305479	20.00	ng	0.00
86) Perylene-d12	15.44	264	258484	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	543950	53.42	ng	0.00
7) Phenol-d6	6.43	99	654390	51.64	ng	0.00
23) Nitrobenzene-d5	7.36	82	394557	37.61	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	104998	47.12	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	612582	41.09	ng	0.00
78) Terphenyl-d14	12.89	244	449928	35.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	50091	6.019	ng	# 81
25) Isophorone	7.36	82	394557	18.750	ng	# 64
32) Benzoic acid	7.99	122	108	7.977	ng	# 53
49) Dimethylphthalate	9.55	163	76970	4.138	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	30186	7.984	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	30186	7.086	ng	# 23
74) Fluoranthene	12.54	202	46941	2.141	ng	# 98
77) Pyrene	12.77	202	54274	2.367	ng	# 97
87) Benzo(b)fluoranthene	15.02	252	42538	2.700	ng	# 58
88) Benzo(k)fluoranthene	15.02	252	42538	2.777	ng	# 61

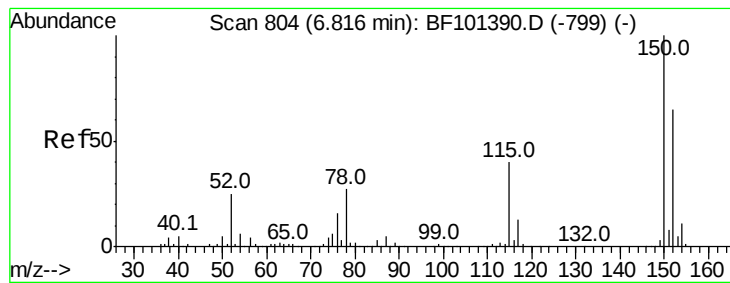
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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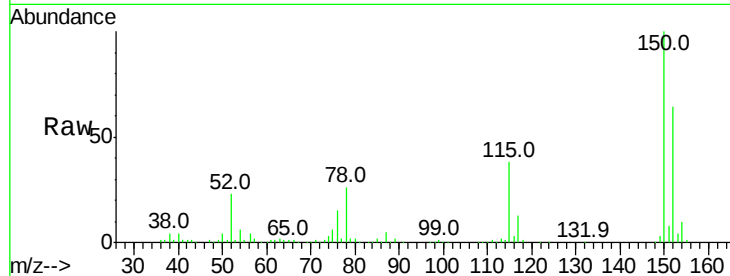


#1

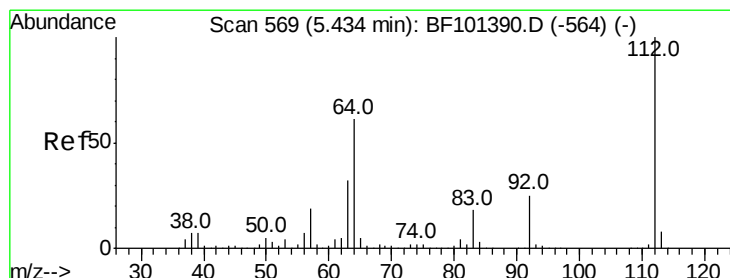
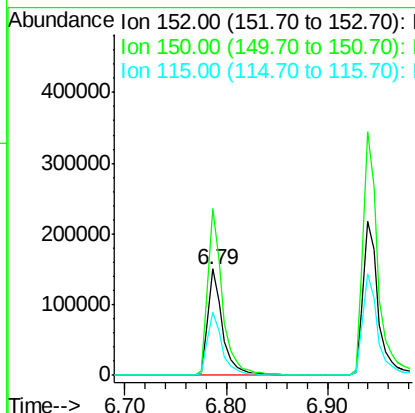
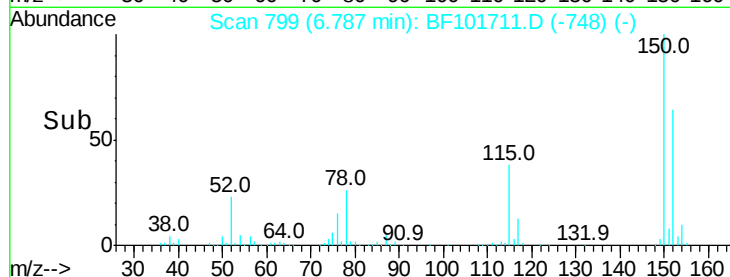
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101711.D
Acq: 26 Dec 2017 13:18

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-A

Tot Ion:152 Resp: 151676
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 59.9 50.1 75.1



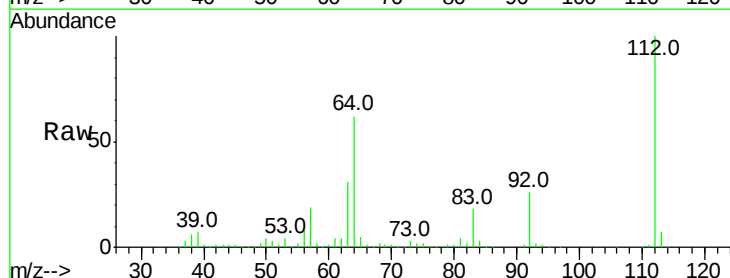
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



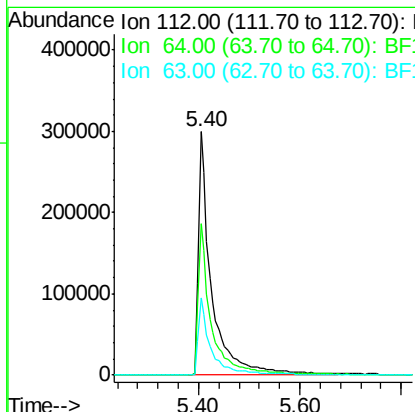
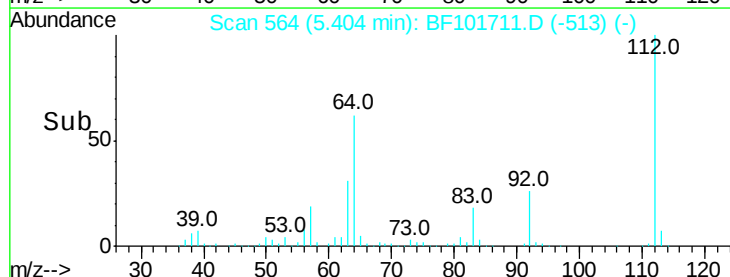
#5

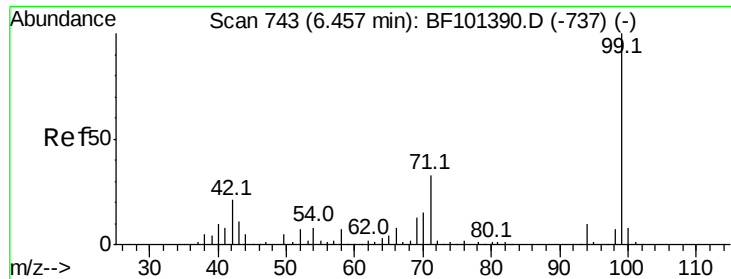
2-Fluorophenol
Concen: 53.420 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101711.D
Acq: 26 Dec 2017 13:18

Tgt Ion:112 Resp: 543950
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 31.5 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: 51.639 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

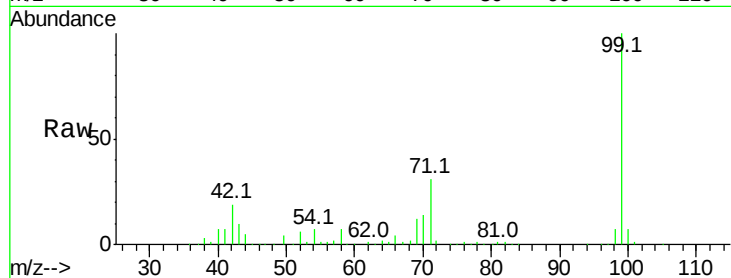
Tot Ion: 99 Resp: 654390

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

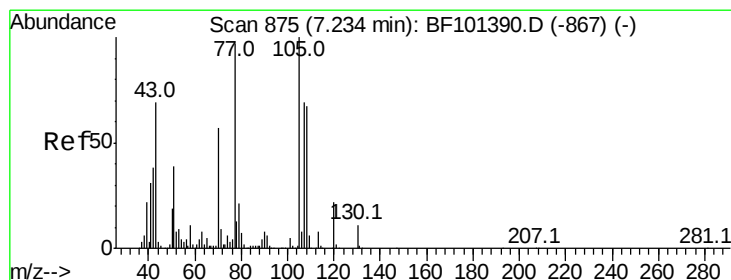
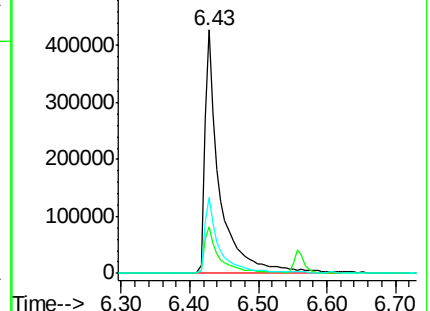
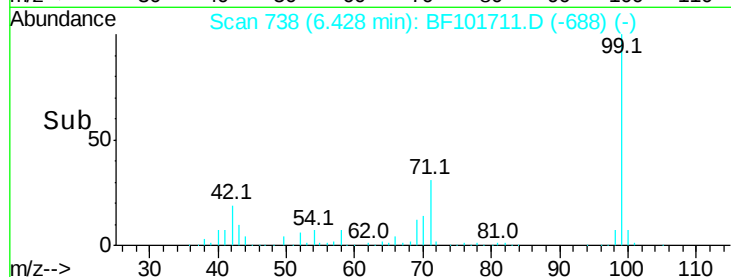
71 31.2 25.4 38.0



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: 6.019 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Tgt Ion: 70 Resp: 50091

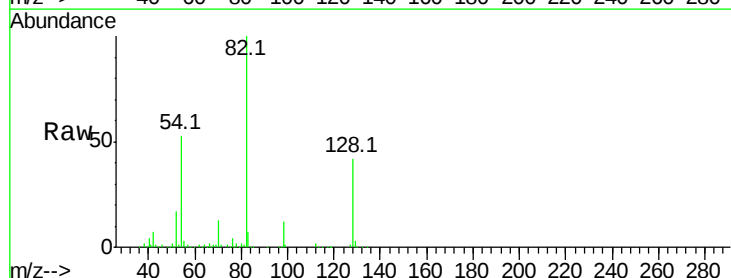
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

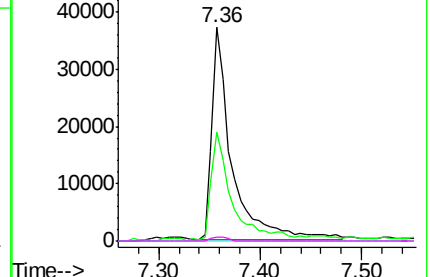
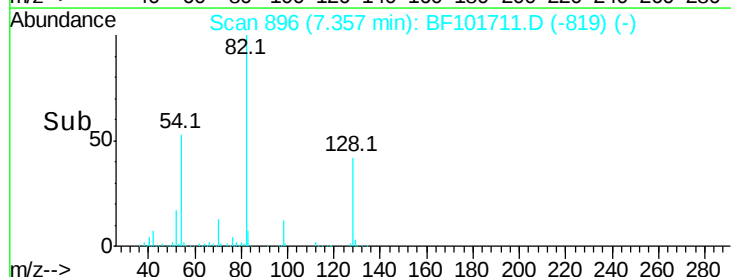


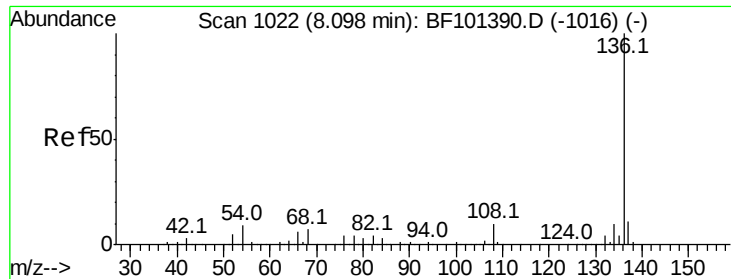
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

Tot Ion:136 Resp: 583932

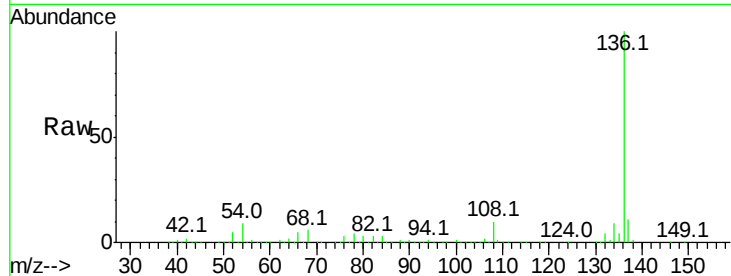
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 6.2 5.0 7.4

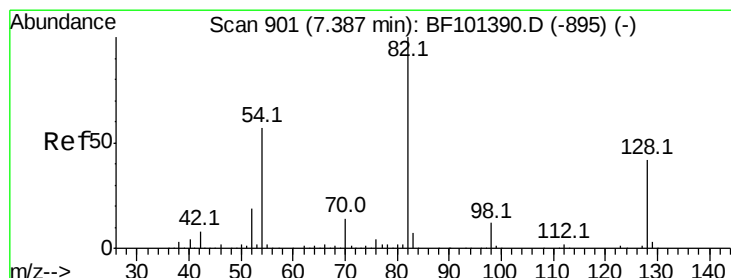
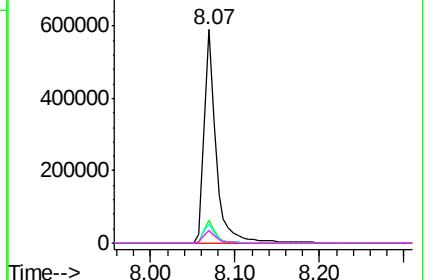
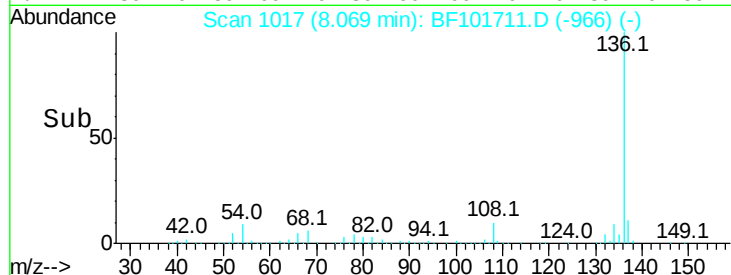


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.613 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

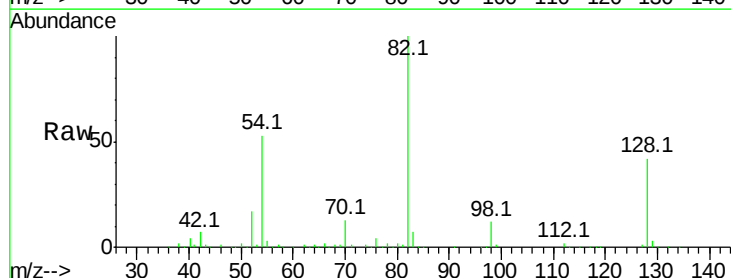
Tgt Ion: 82 Resp: 394557

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

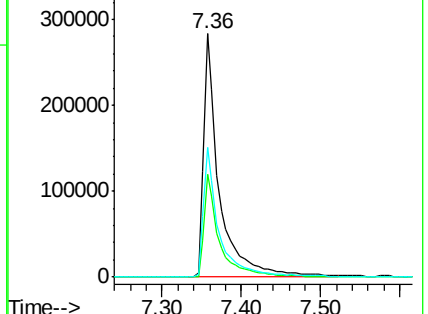
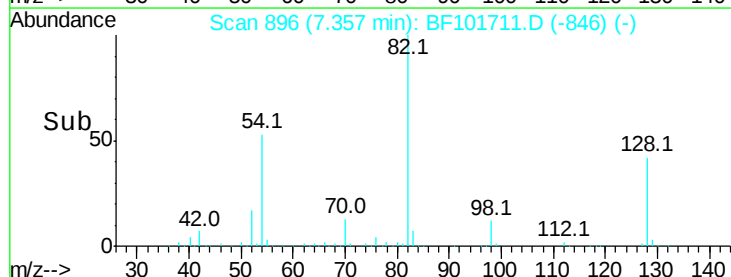
54 53.3 41.4 62.2

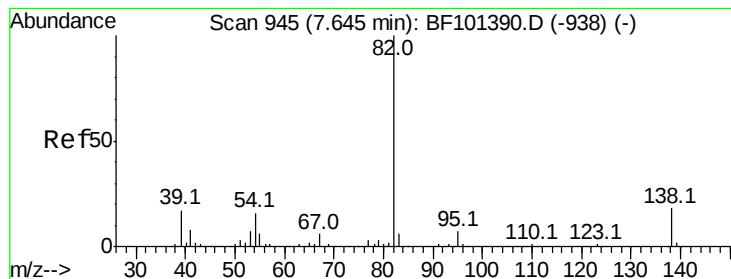


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.750 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

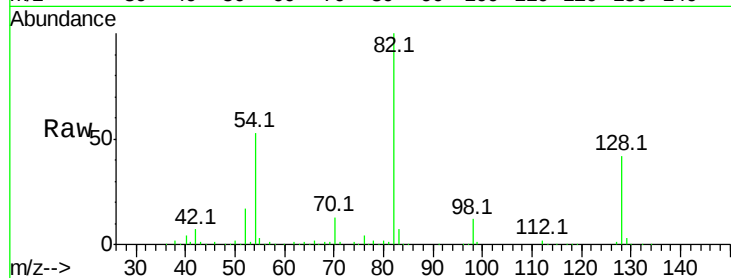
Tot Ion: 82 Resp: 394557

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

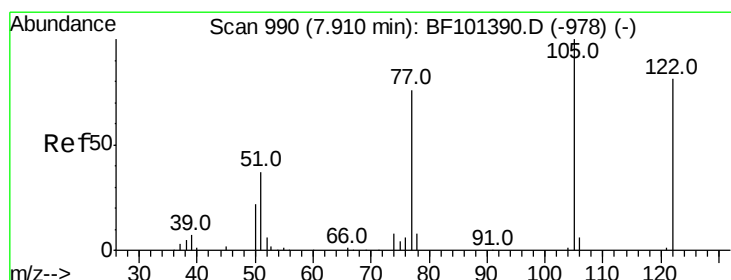
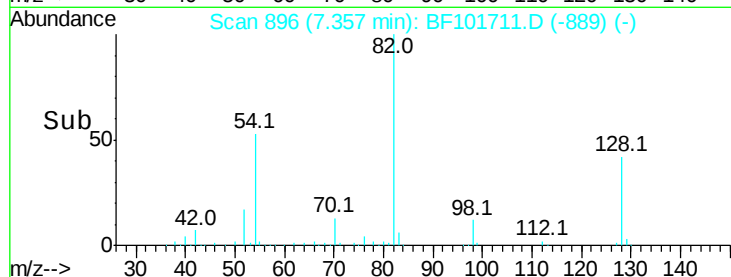
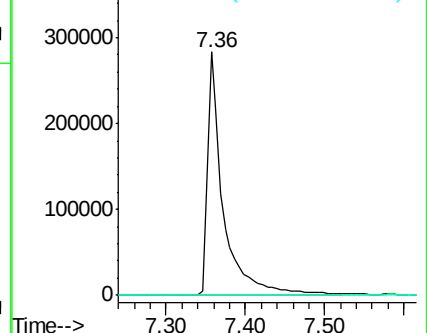
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.977 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

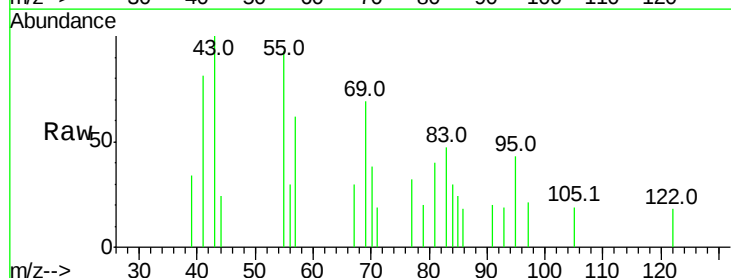
Tgt Ion: 122 Resp: 108

Ion Ratio Lower Upper

122 100

105 108.5 101.1 141.1

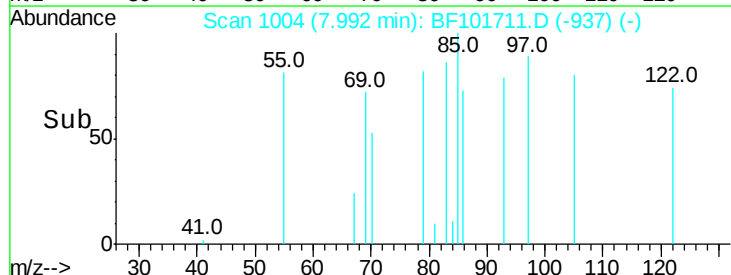
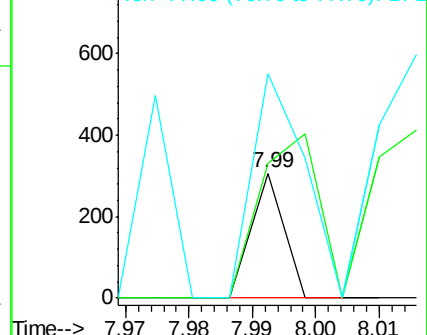
77 180.1 70.7 110.7#

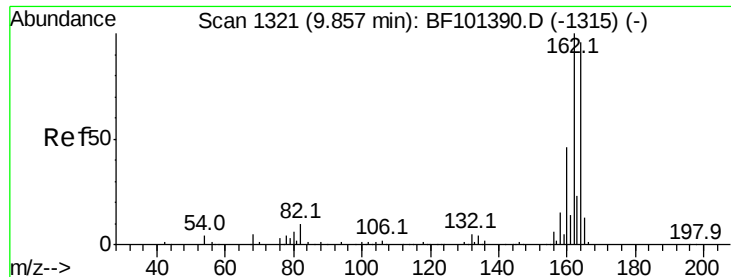


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

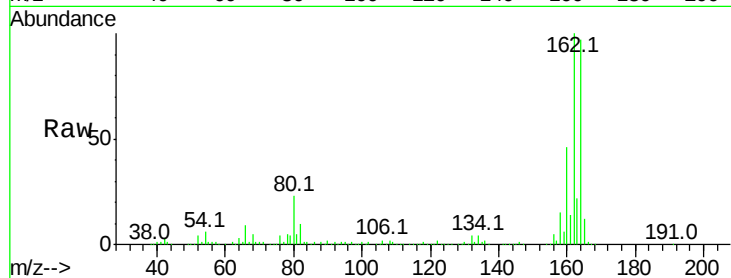
Tot Ion:164 Resp: 231269

Ion Ratio Lower Upper

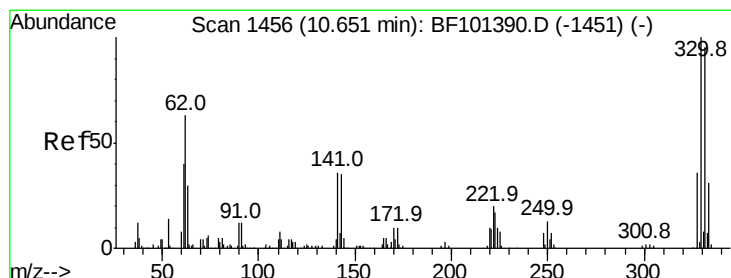
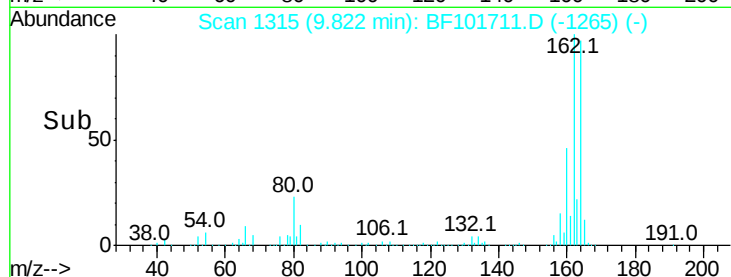
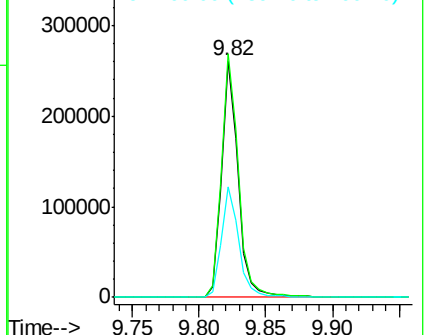
164 100

162 103.1 86.1 129.1

160 47.1 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: 47.117 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

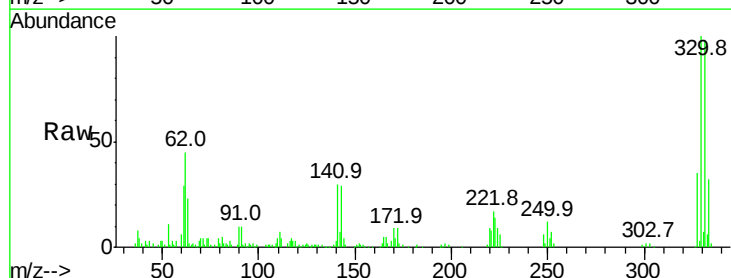
Tgt Ion:330 Resp: 104998

Ion Ratio Lower Upper

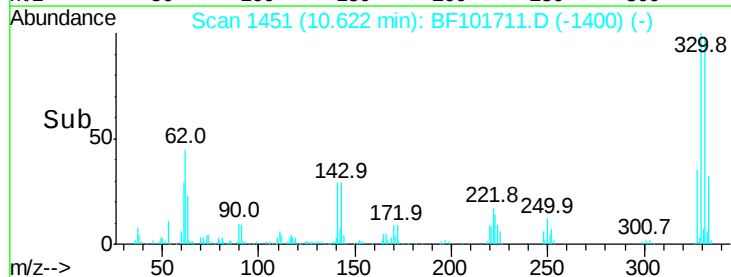
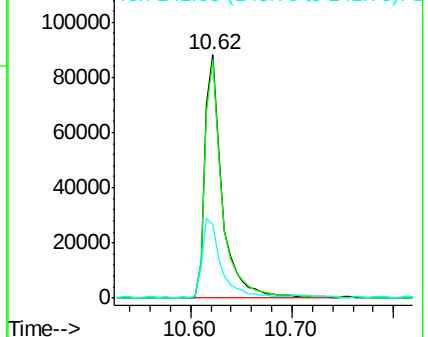
330 100

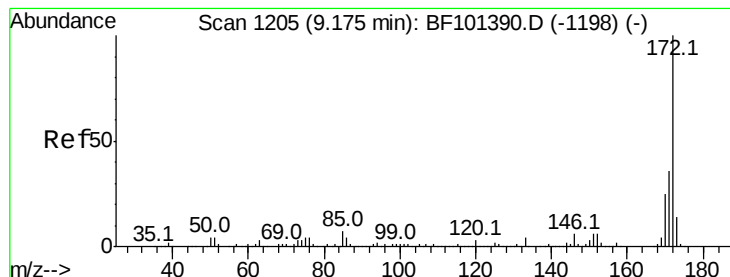
332 98.3 77.0 115.6

141 34.8 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: 41.089 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

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ClientSampleId :

EO-02-122017-A

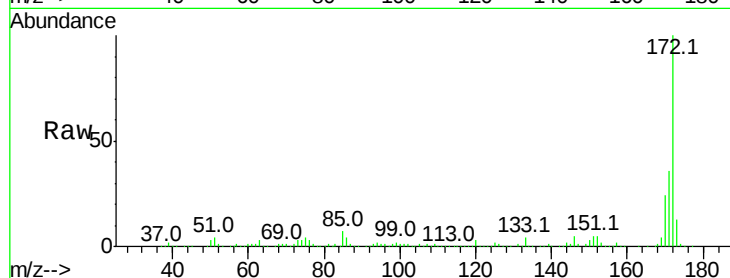
Tot Ion:172 Resp: 612582

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

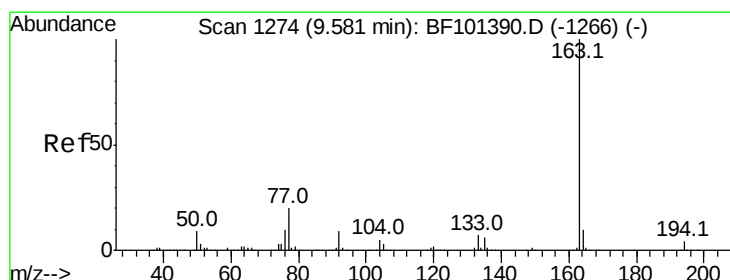
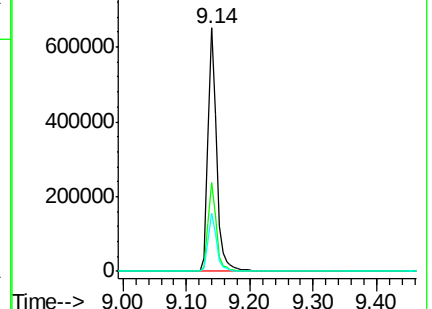
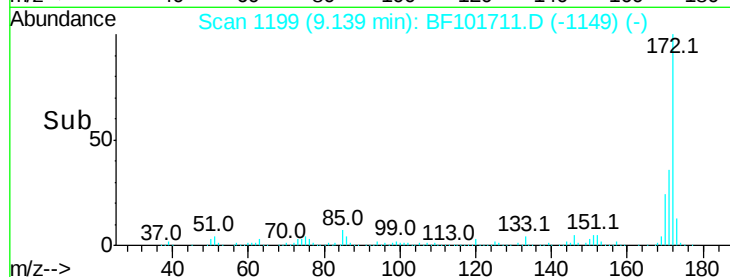
170 23.9 19.6 29.4



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: 4.138 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

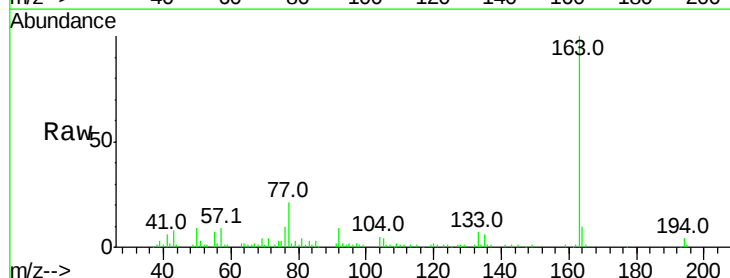
Tgt Ion:163 Resp: 76970

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

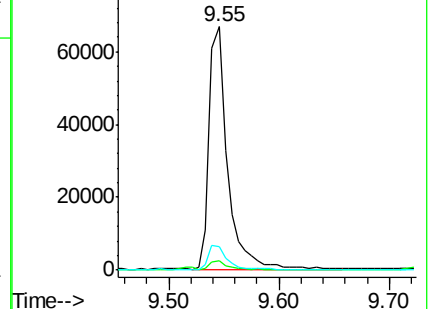
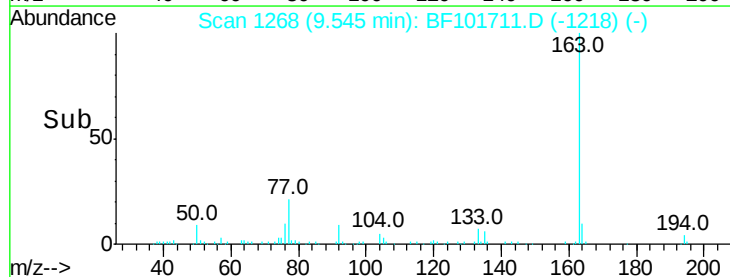
164 9.7 8.2 12.2

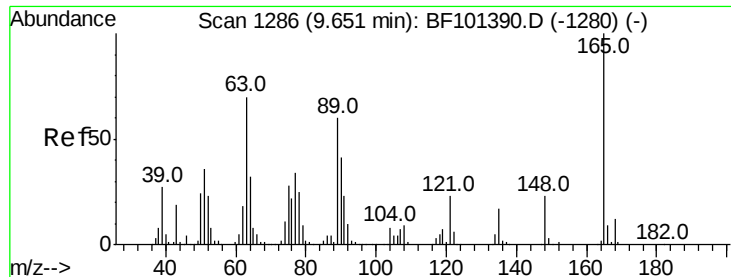


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

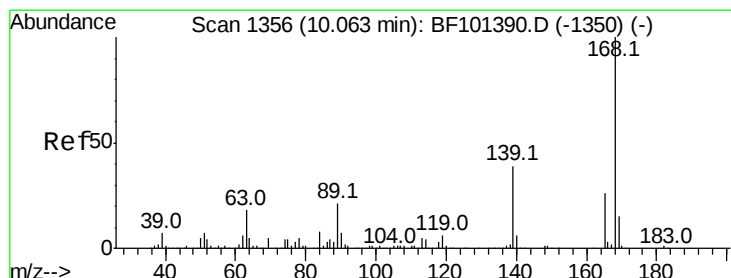
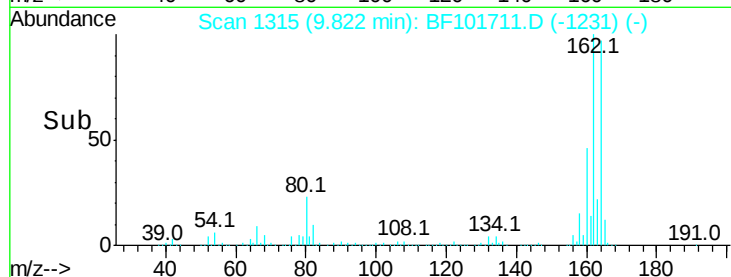
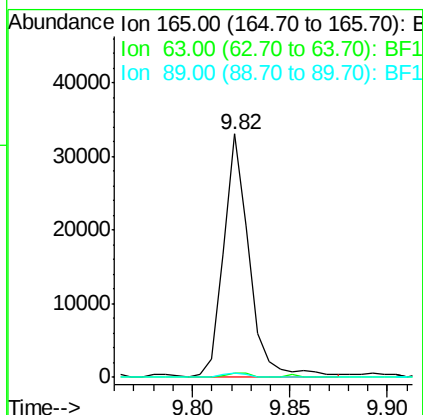
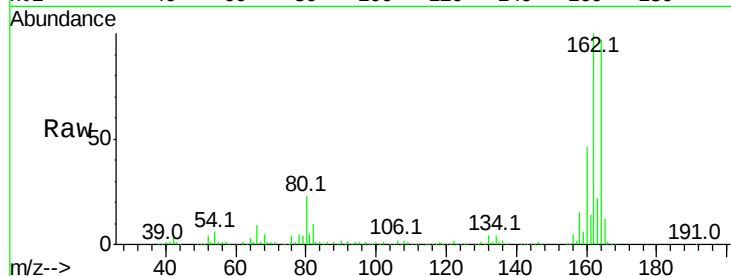




#50
 2,6-Dinitrotoluene
 Concen: 7.984 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101711.D
 Acq: 26 Dec 2017 13:18

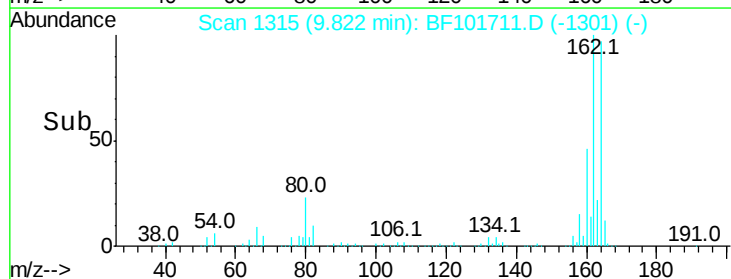
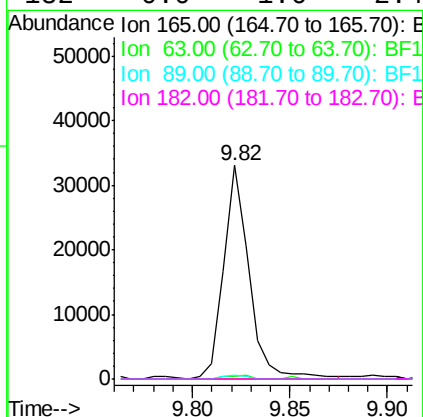
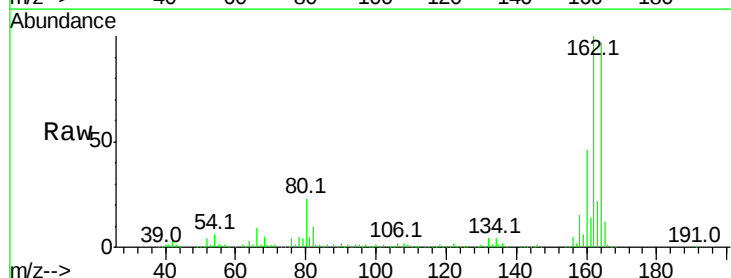
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-A

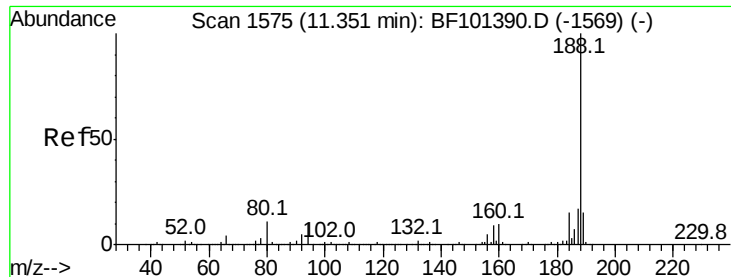
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.086 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101711.D
 Acq: 26 Dec 2017 13:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

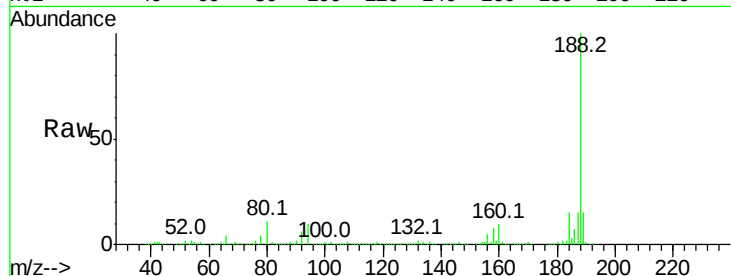
Tot Ion:188 Resp: 375623

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

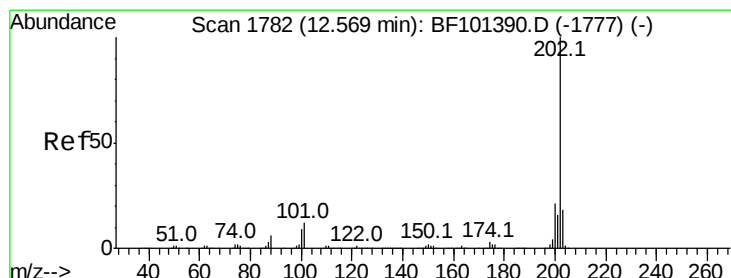
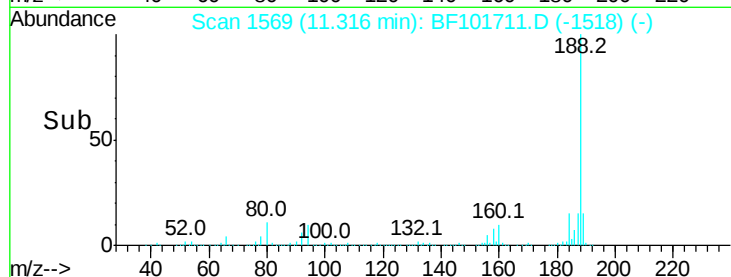
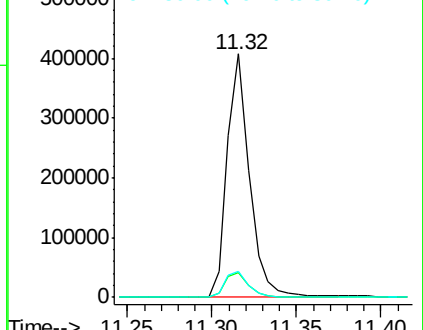
80 10.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#74

Fluoranthene

Concen: 2.141 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

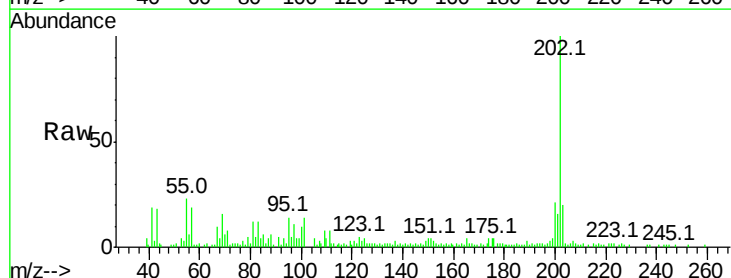
Tgt Ion:202 Resp: 46941

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

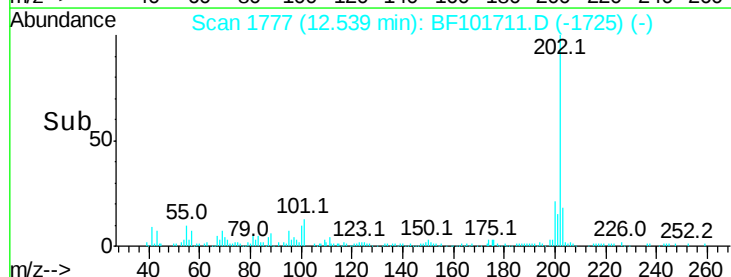
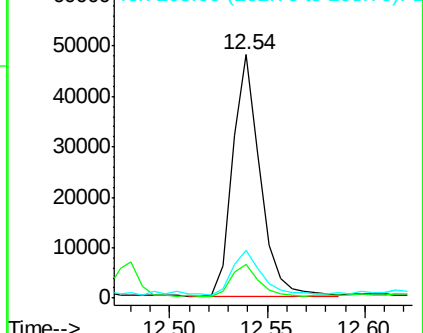
203 19.6 0.0 38.1

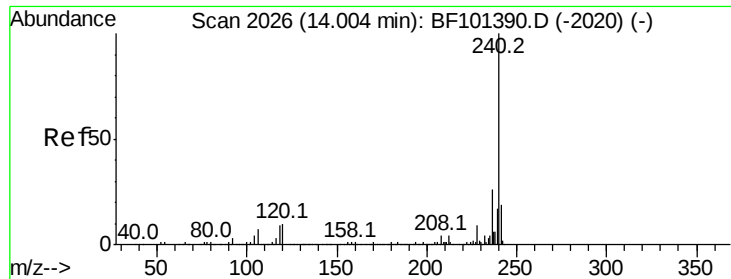


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

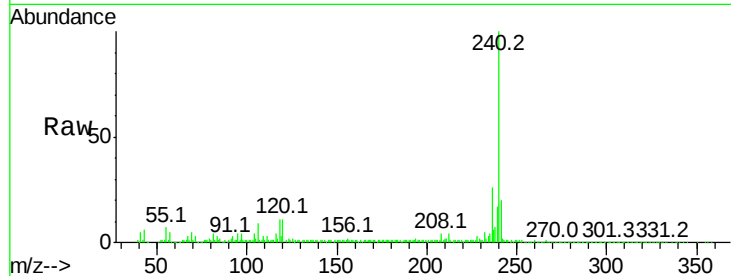
Tot Ion:240 Resp: 305479

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

236 26.0 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

13.97

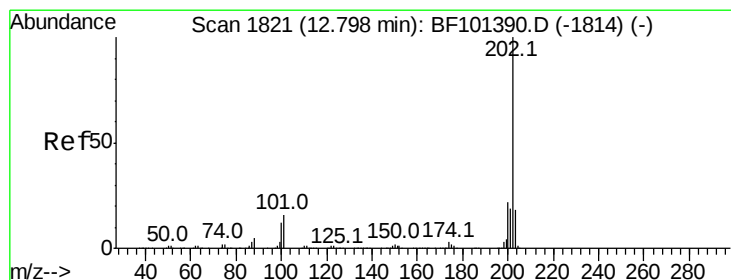
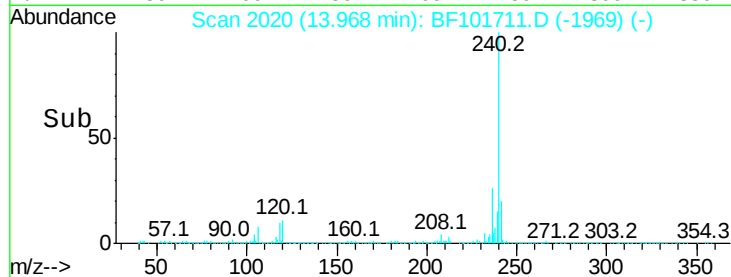
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 2.367 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

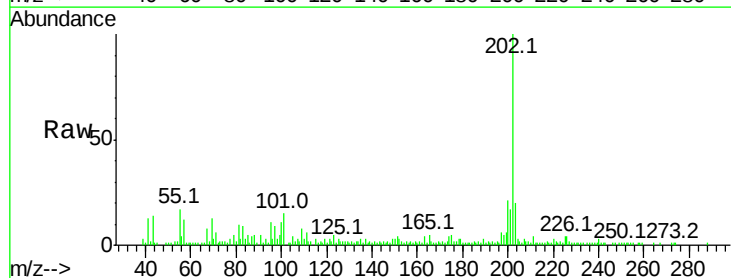
Tgt Ion:202 Resp: 54274

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 19.8 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

12.77

80000

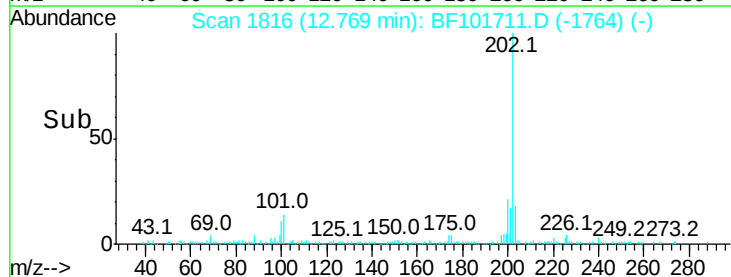
60000

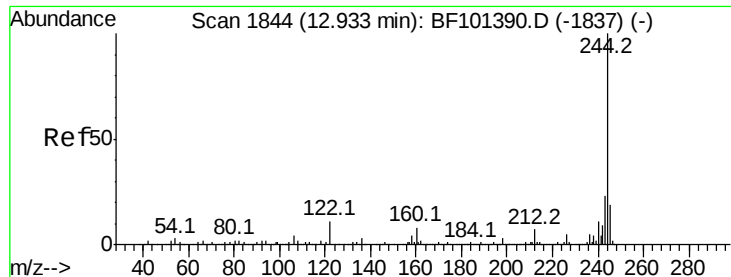
40000

20000

0

Time-->

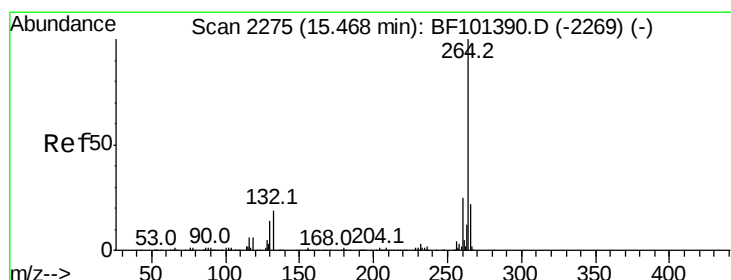
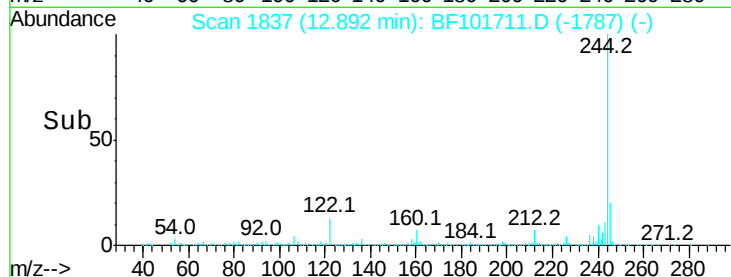
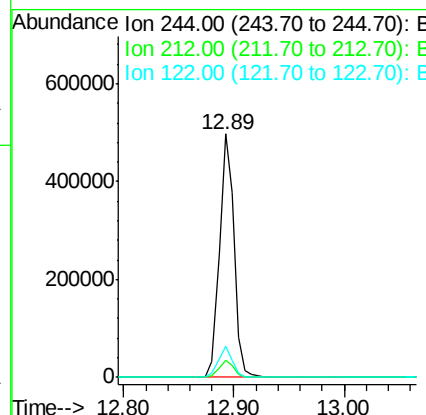
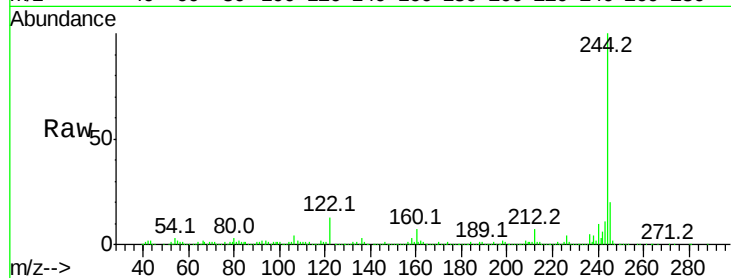




#78
 Terphenyl-d14
 Concen: 35.507 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101711.D
 Acq: 26 Dec 2017 13:18

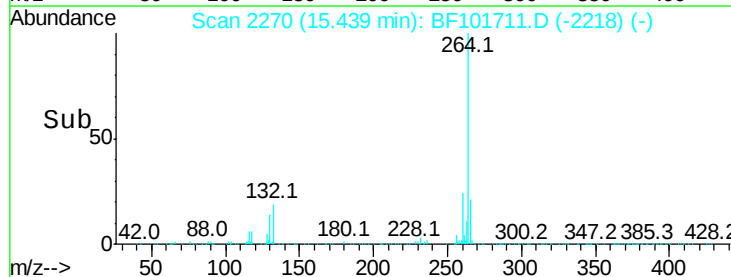
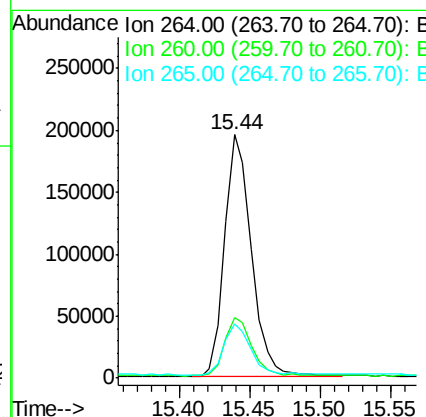
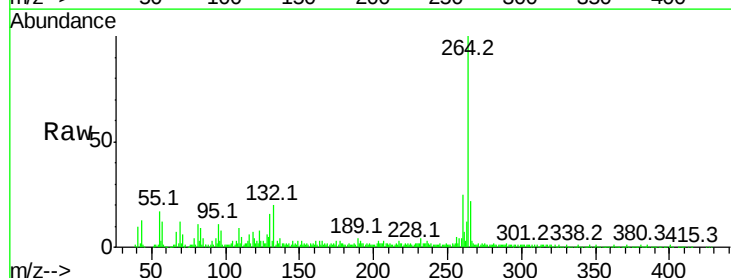
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-A

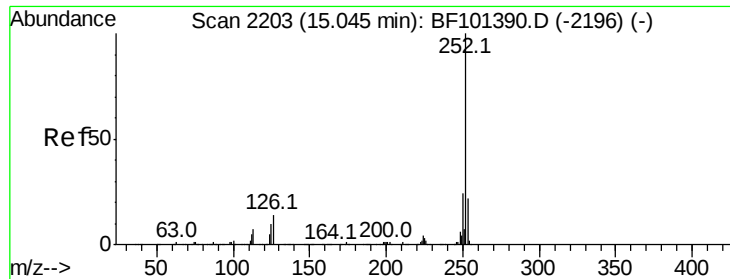
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.6	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF101711.D
 Acq: 26 Dec 2017 13:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.700 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-A

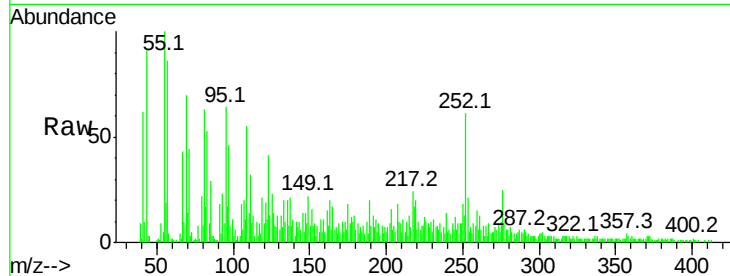
Tot Ion:252 Resp: 42538

Ion Ratio Lower Upper

252 100

253 34.4 17.0 25.6#

125 37.4 9.0 13.6#



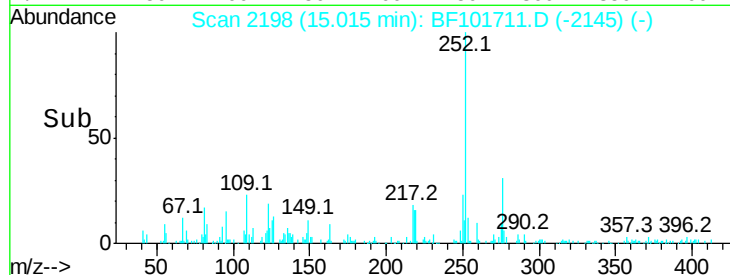
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

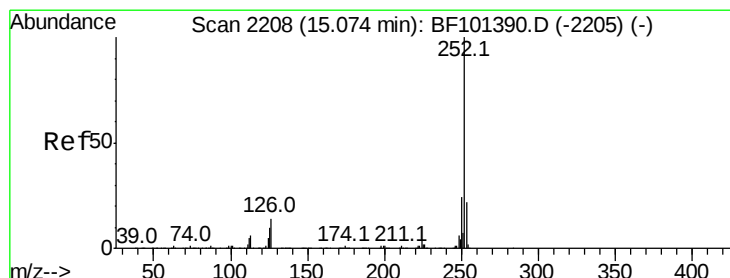
Ion 125.00 (124.70 to 125.70): E

15.02

Time-->



Time-->



#88

Benzo(k)fluoranthene

Concen: 2.777 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101711.D

Acq: 26 Dec 2017 13:18

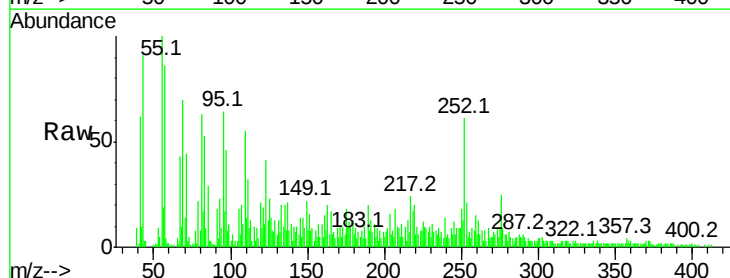
Tgt Ion:252 Resp: 42538

Ion Ratio Lower Upper

252 100

253 34.4 17.9 26.9#

125 37.4 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

15.02

Time-->

