

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097565.D
 Acq On : 10 Aug 2017 18:36
 Operator : SJ/JU
 Sample : I4666-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124019-72-12014

Quant Time: Aug 11 01:00:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

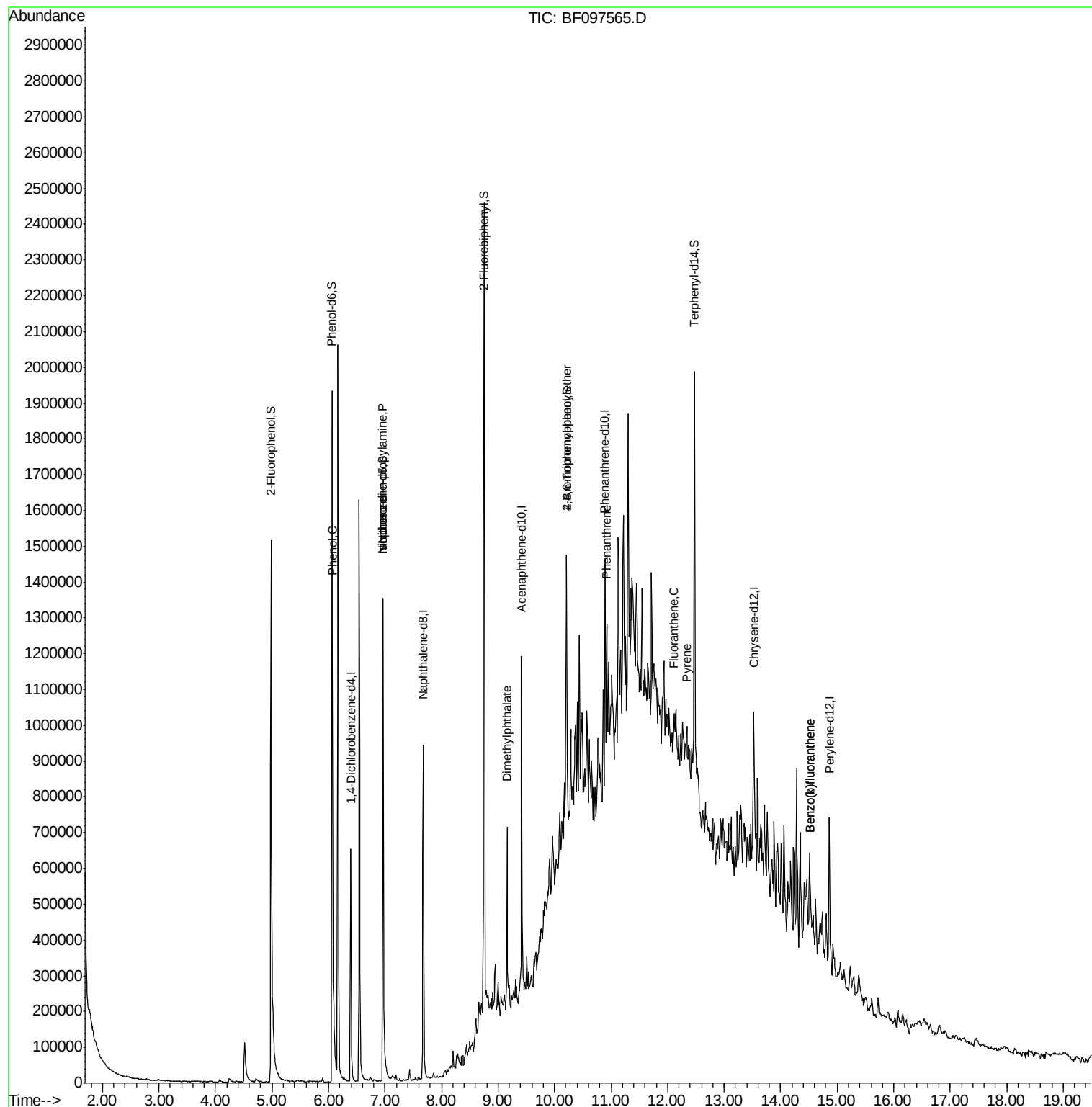
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	110056	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	455512	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	185937	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	277100	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	154299	20.00	ng	-0.02
86) Perylene-d12	14.86	264	179988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.98	112	642021	87.94	ng	-0.02
7) Phenol-d6	6.06	99	782923	93.94	ng	-0.02
23) Nitrobenzene-d5	6.96	82	466053	60.02	ng	-0.03
41) 2,4,6-Tribromophenol	10.21	330	109883	74.80	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	730937	66.71	ng	-0.02
78) Terphenyl-d14	12.47	244	431999	57.08	ng	-0.02
Target Compounds						
10) Phenol	6.07	94	20481	2.07	ng	# 22
19) n-Nitroso-di-n-propylamine	6.96	70	62444	11.38	ng	# 87
25) Isophorone	6.96	82	466050	30.65	ng	# 67
49) Dimethylphthalate	9.16	163	175883	12.46	ng	# 98
66) 4-Bromophenyl-phenylether	10.21	248	7366	2.66	ng	# 1
70) Phenanthrene	10.92	178	30949	2.08	ng	# 85
74) Fluoranthene	12.10	202	40808	2.81	ng	# 68
77) Pyrene	12.33	202	33448	2.65	ng	# 46
87) Benzo(b)fluoranthene	14.53	252	26076	2.41	ng	# 75
88) Benzo(k)fluoranthene	14.53	252	26076	2.53	ng	# 77

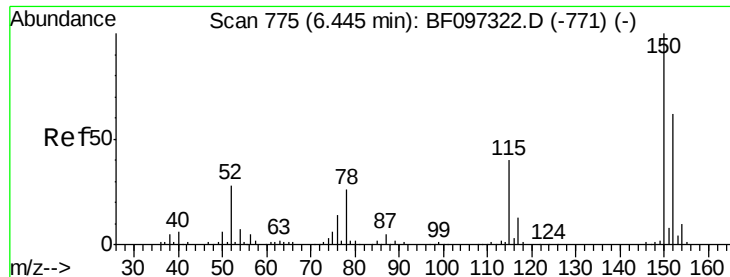
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.39 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

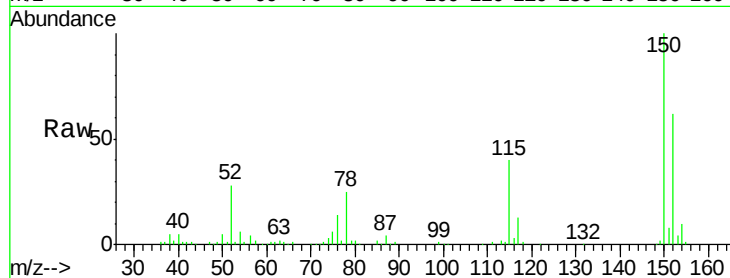
Tot Ion:152 Resp: 110056

Ion Ratio Lower Upper

152 100

150 161.5 126.2 189.2

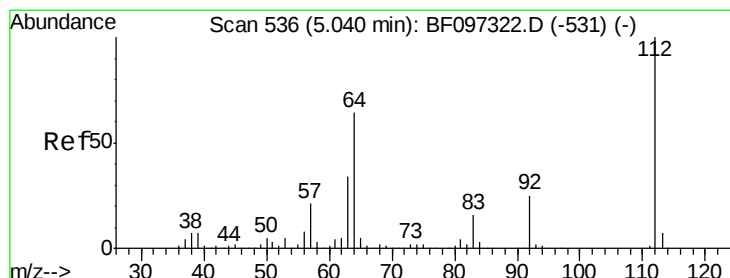
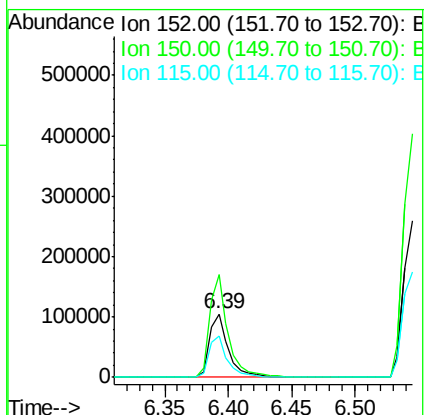
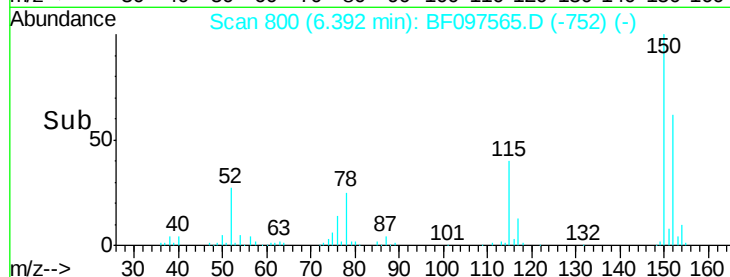
115 64.4 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 87.94 ng

RT: 4.98 min Scan# 560

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

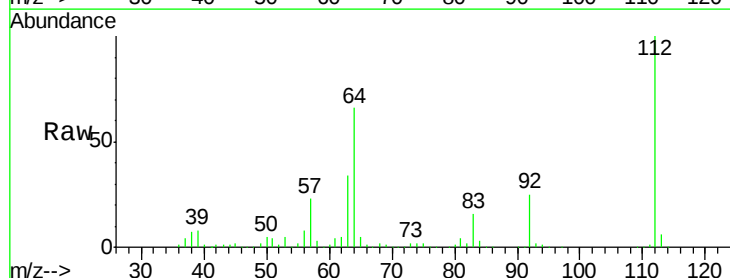
Tgt Ion:112 Resp: 642021

Ion Ratio Lower Upper

112 100

64 66.3 46.0 69.0

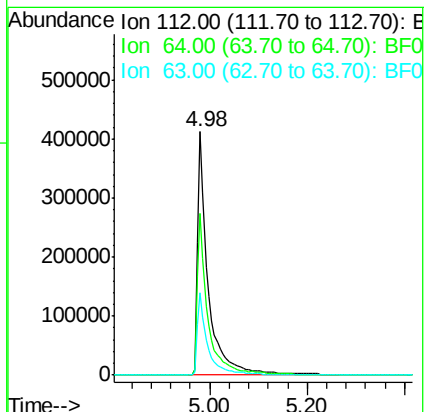
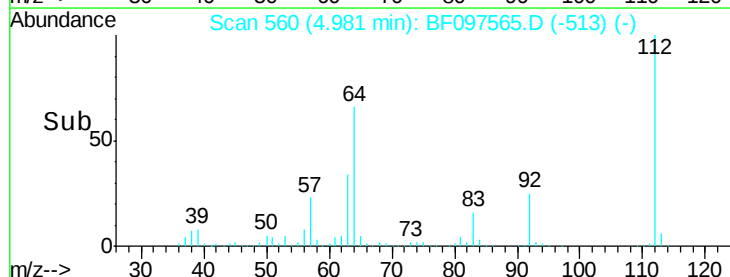
63 34.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.94 ng

RT: 6.06 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

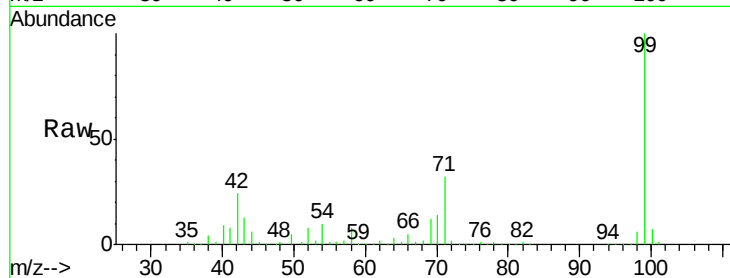
Tot Ion: 99 Resp: 782923

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

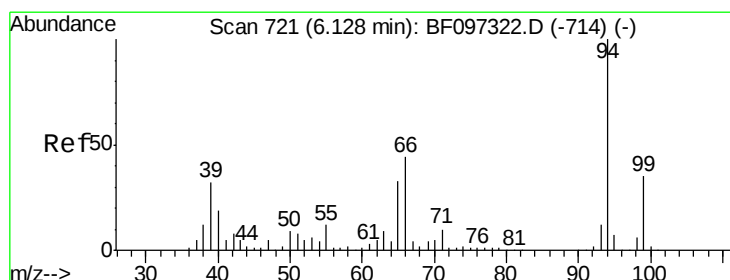
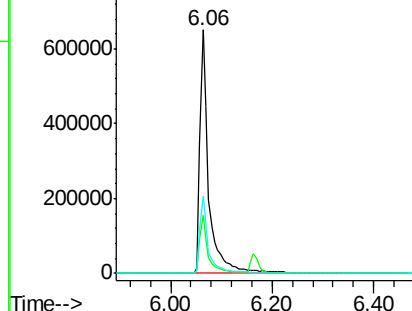
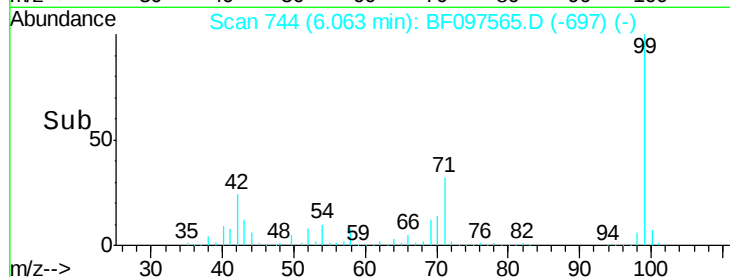
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.07 ng

RT: 6.07 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

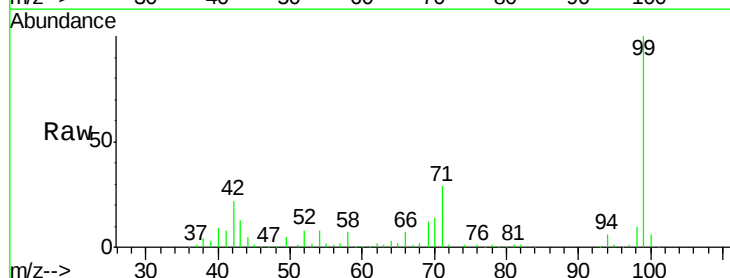
Tgt Ion: 94 Resp: 20481

Ion Ratio Lower Upper

94 100

65 43.5 9.9 49.9

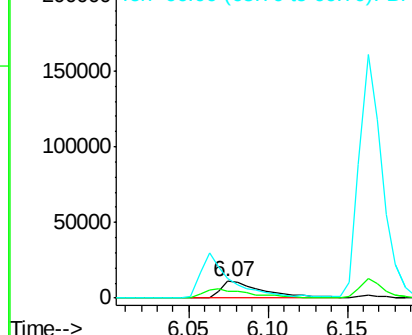
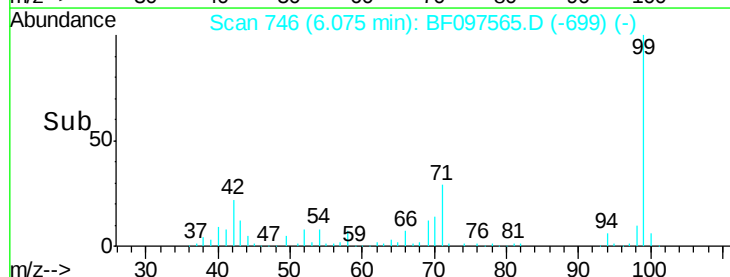
66 116.5 23.1 63.1#

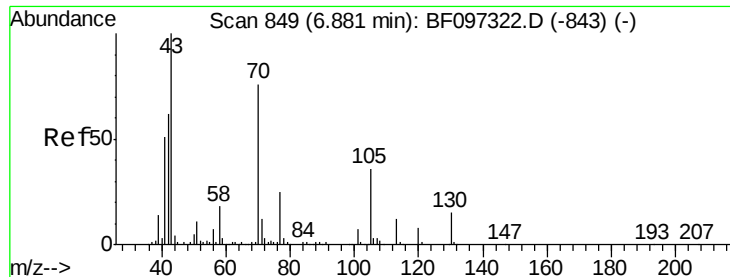


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

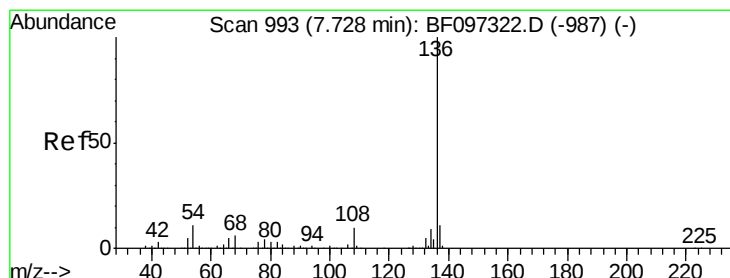
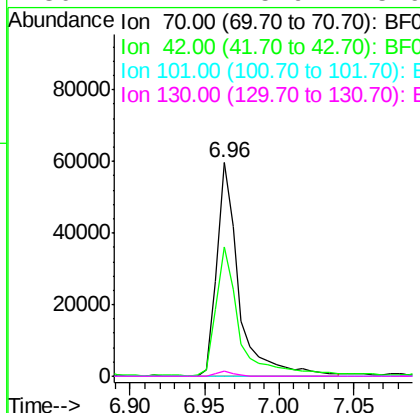
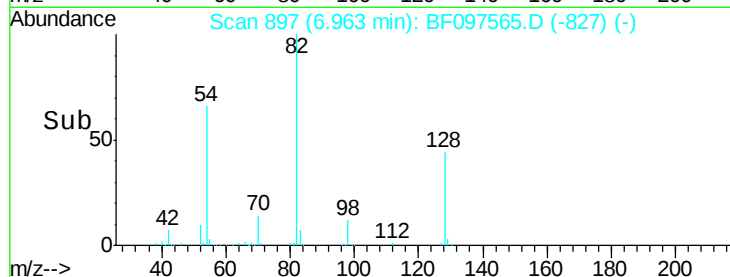
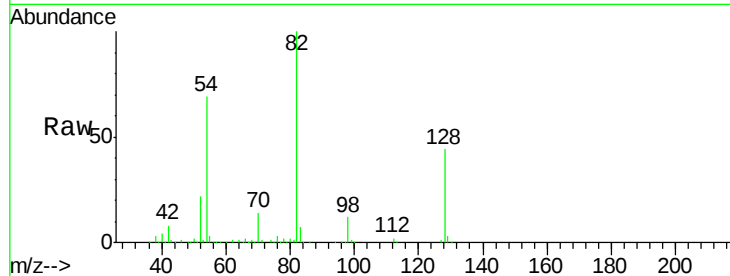




#19
n-Nitroso-di-n-propylamine
Concen: 11.38 ng
RT: 6.96 min Scan# 897
Delta R.T. 0.11 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

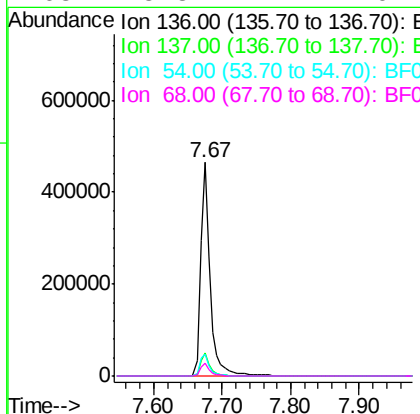
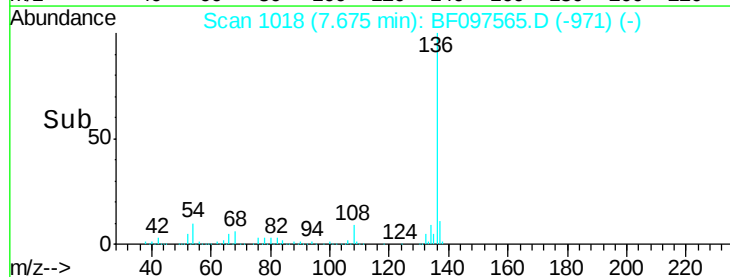
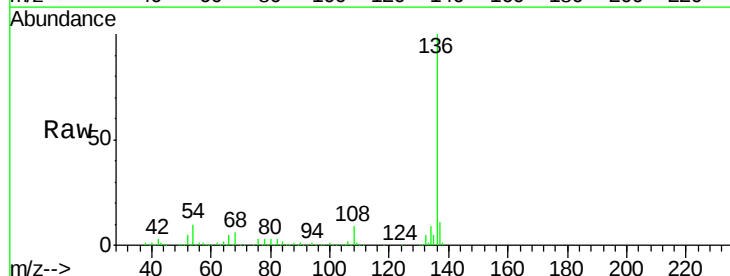
Instrument :
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ClientSampleId :
RO-124019-72-12014

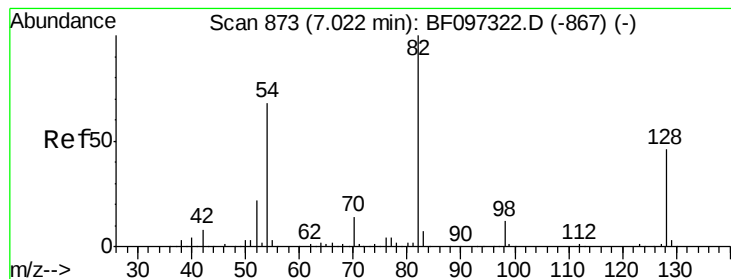
Tot Ion: 70 Resp: 62444
Ion Ratio Lower Upper
70 100
42 60.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.67 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

Tgt Ion: 136 Resp: 455512
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.4 4.9 7.3#
68 5.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 60.02 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.03 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

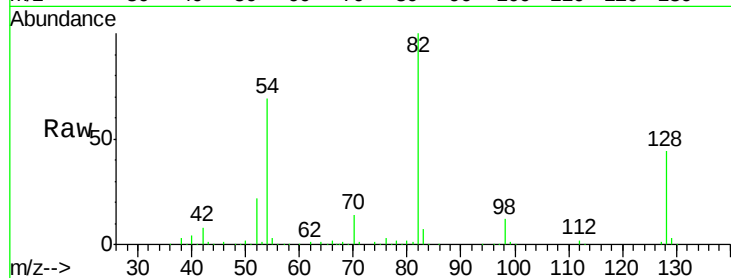
Tot Ion: 82 Resp: 466053

Ion Ratio Lower Upper

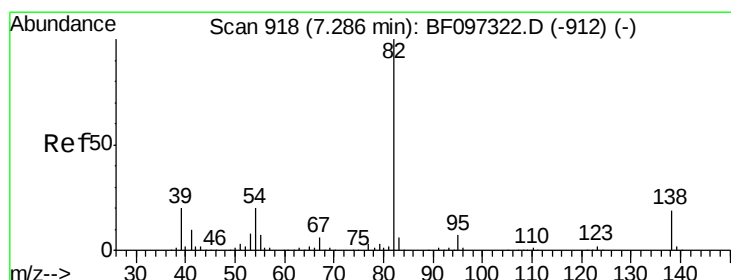
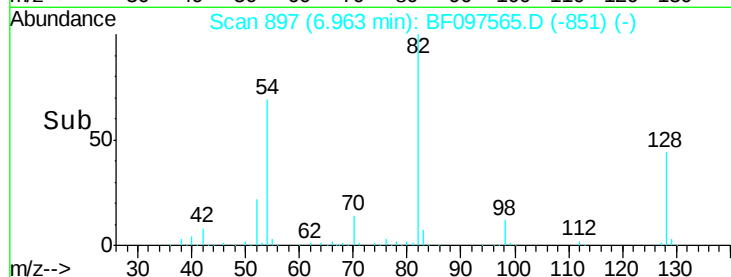
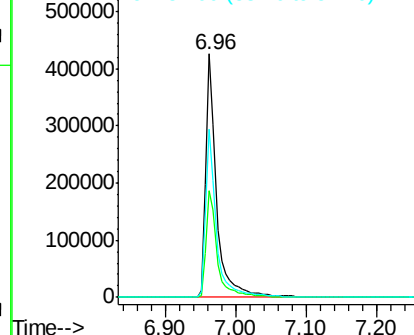
82 100

128 43.9 34.0 51.0

54 68.9 42.2 63.2#



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: 30.65 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.29 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

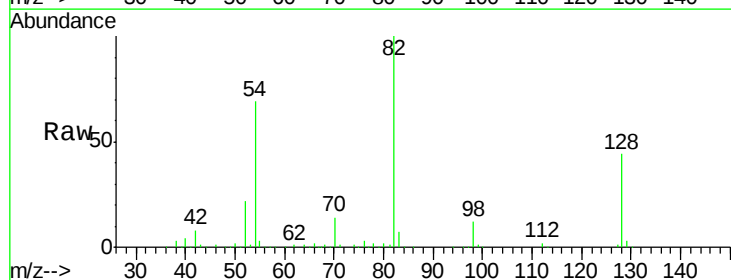
Tgt Ion: 82 Resp: 466050

Ion Ratio Lower Upper

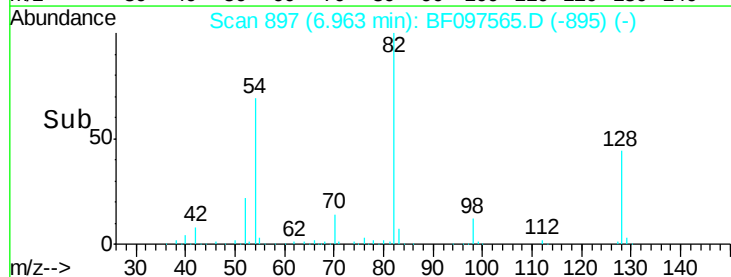
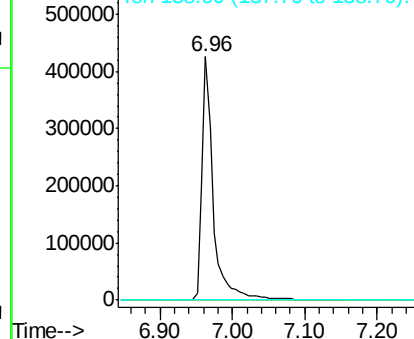
82 100

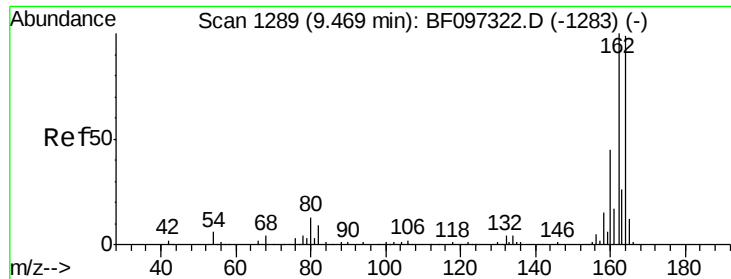
95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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

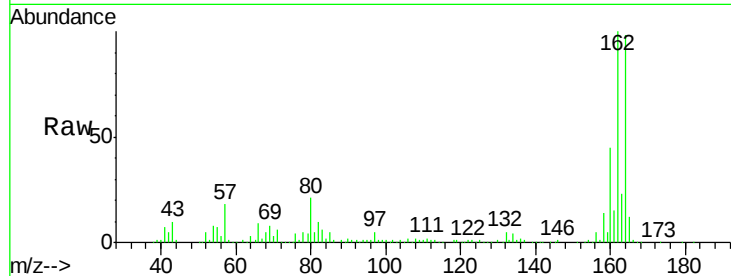




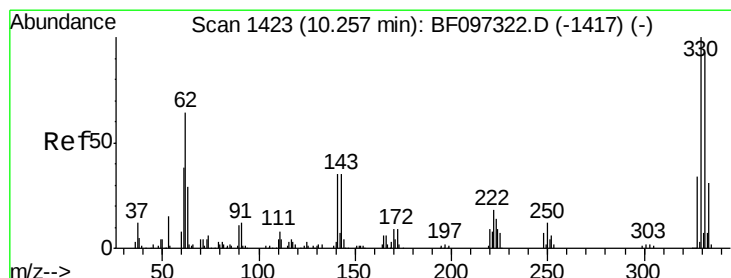
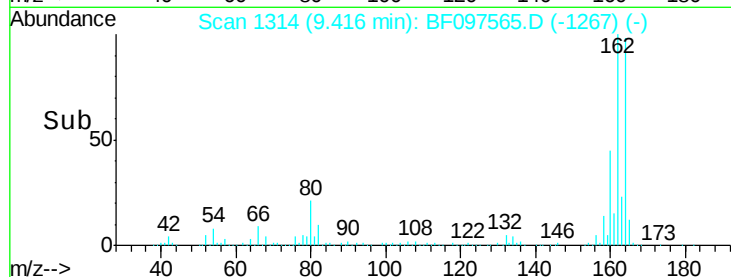
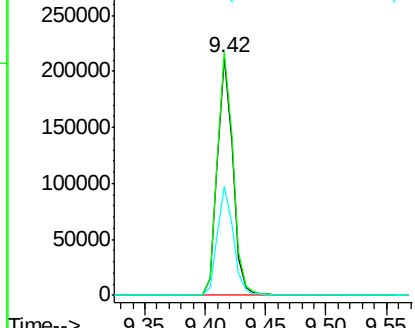
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF097565.D
 Acq: 10 Aug 2017 18:36

Instrument :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	45.7	36.2	54.2

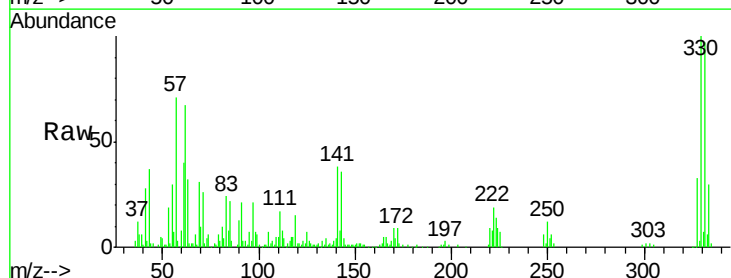


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

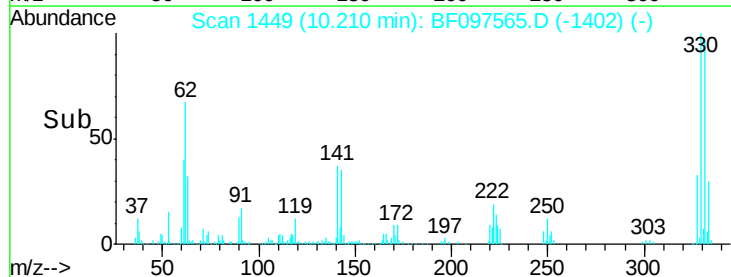
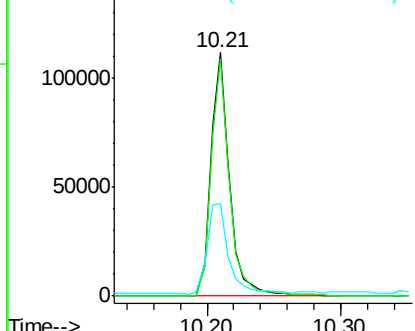


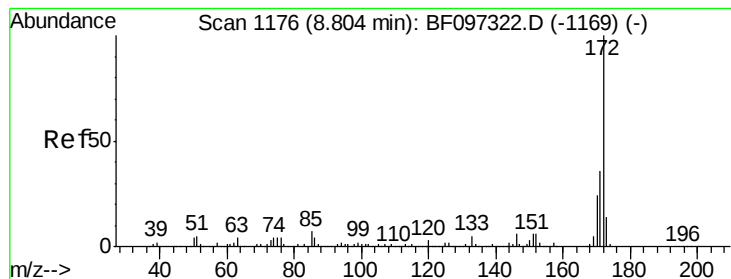
#41
 2,4,6-Tribromophenol
 Concen: 74.80 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097565.D
 Acq: 10 Aug 2017 18:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	43.6	31.4	47.2



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

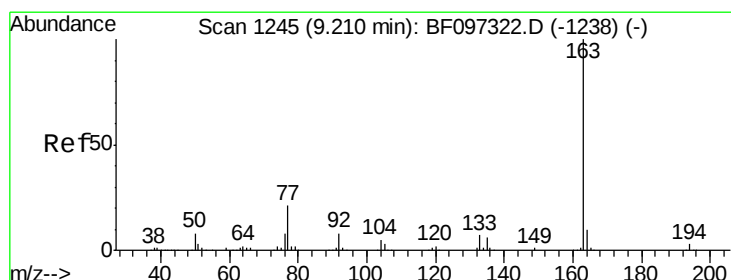
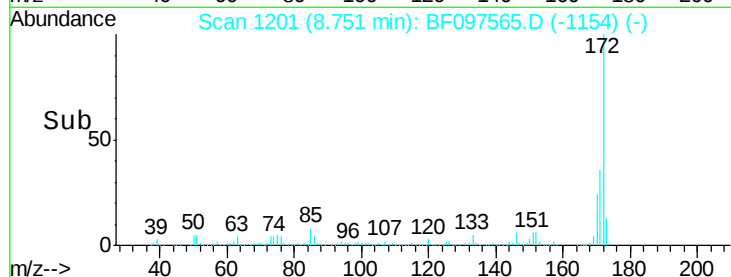
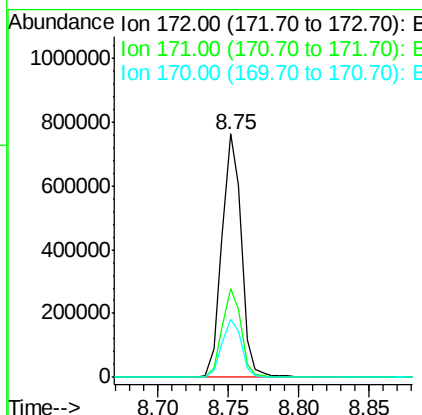
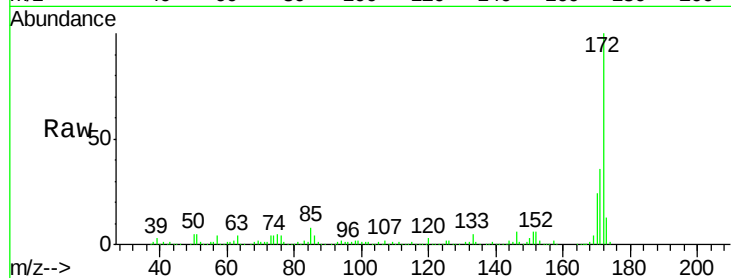




#44
2-Fluorobiphenyl
Concen: 66.71 ng
RT: 8.75 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

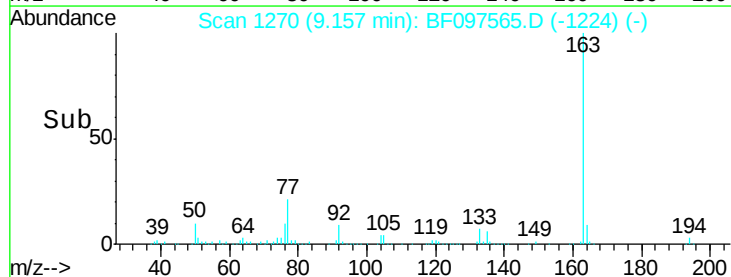
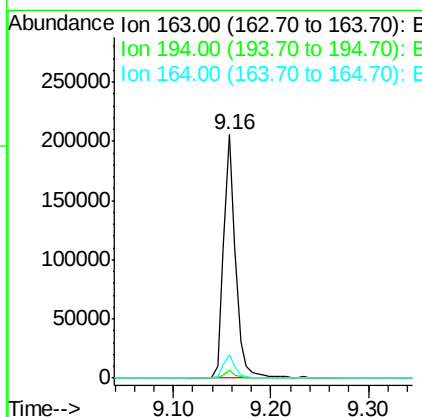
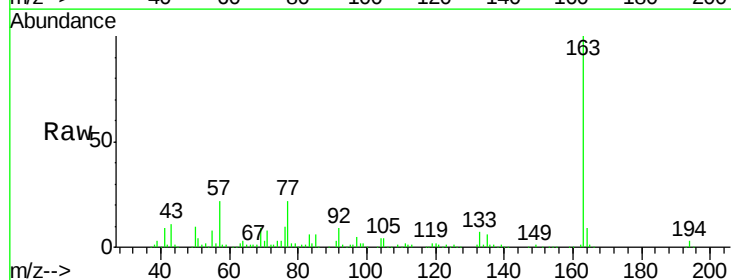
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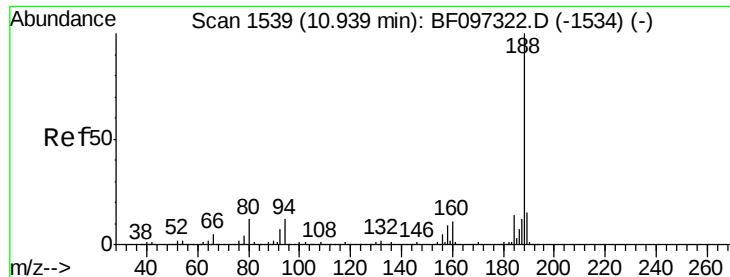
Tot Ion:172 Resp: 730937
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 12.46 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

Tgt Ion:163 Resp: 175883
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.4 8.4 12.6

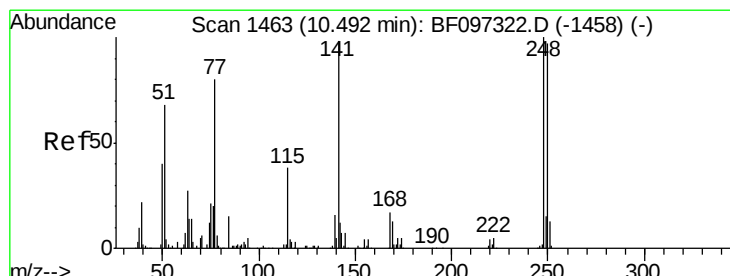
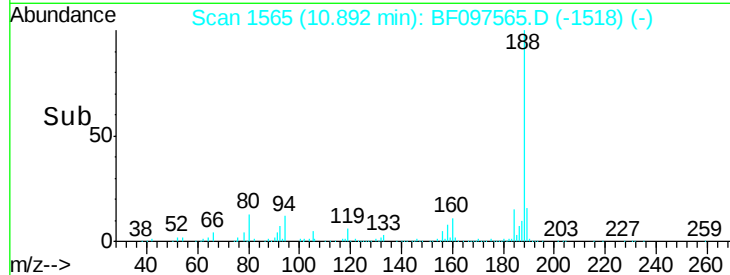
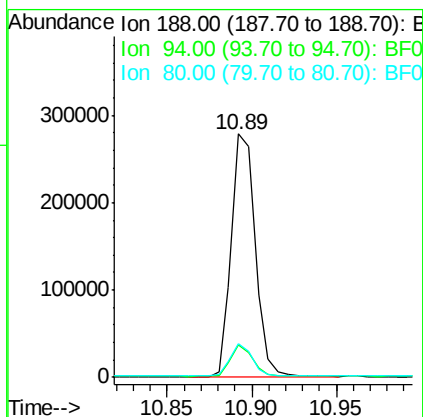
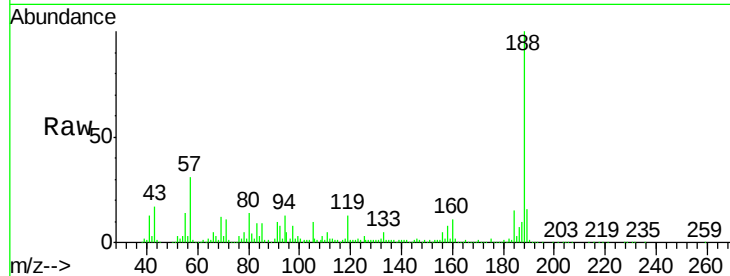




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

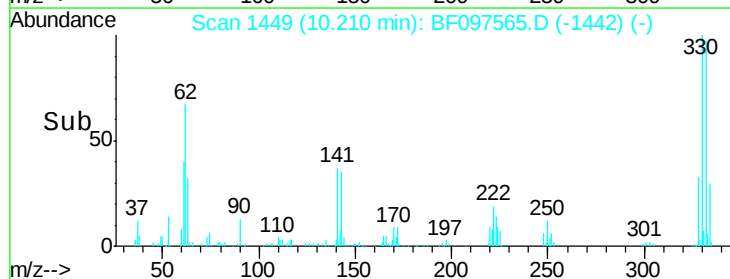
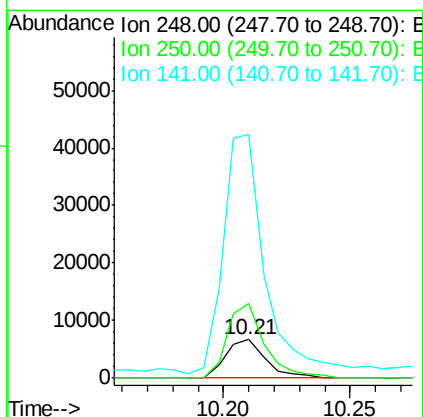
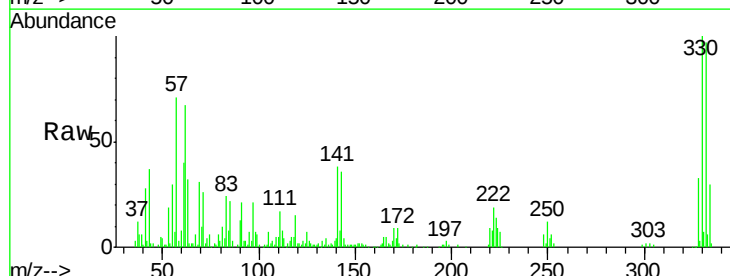
Instrument :
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ClientSampleId :
RO-124019-72-12014

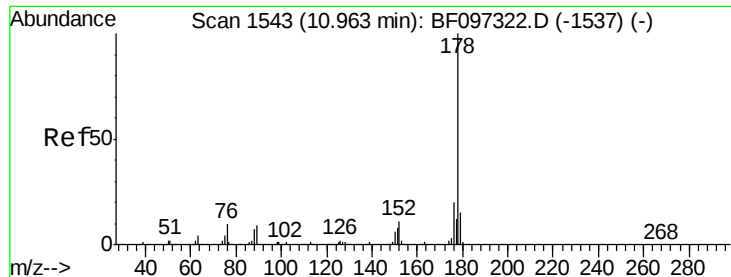
Tot Ion:188 Resp: 277100
Ion Ratio Lower Upper
188 100
94 13.2 9.4 14.2
80 13.7 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.21 min Scan# 1449
Delta R.T. -0.26 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

Tgt Ion:248 Resp: 7366
Ion Ratio Lower Upper
248 100
250 195.3 76.8 115.2#
141 632.6 68.6 103.0#

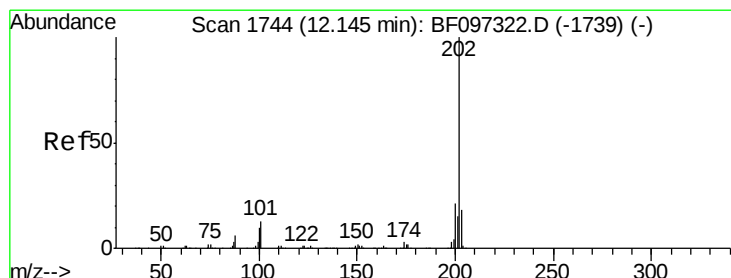
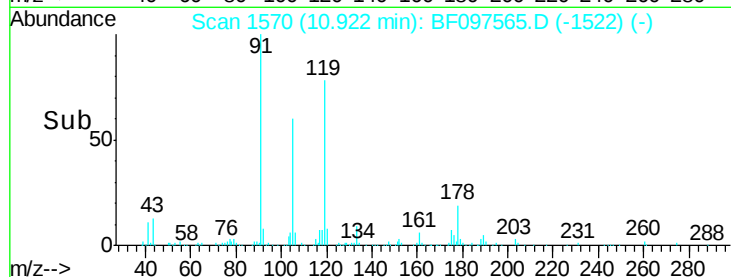
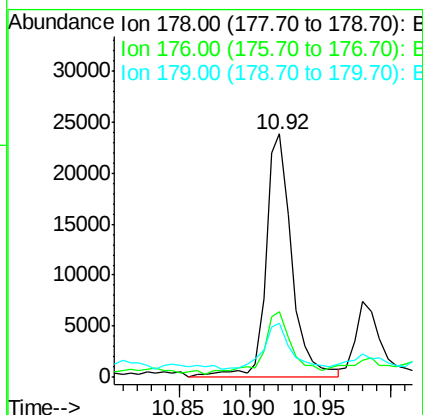
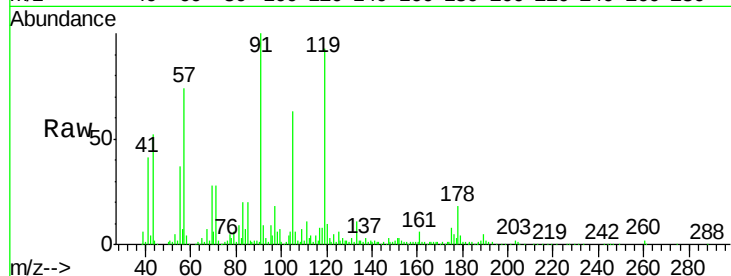




#70
Phenanthrene
Concen: 2.08 ng
RT: 10.92 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

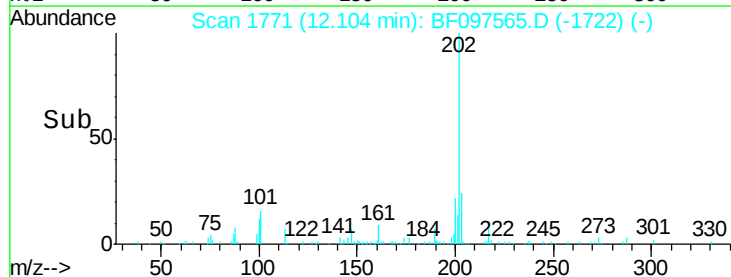
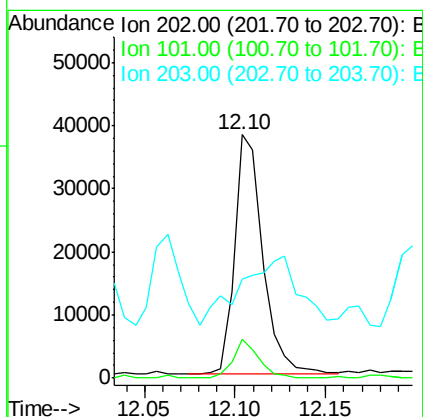
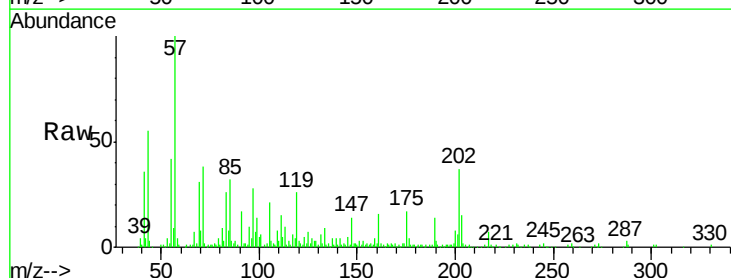
Instrument :
BNA_F
ClientSampleId :
RO-124019-72-12014

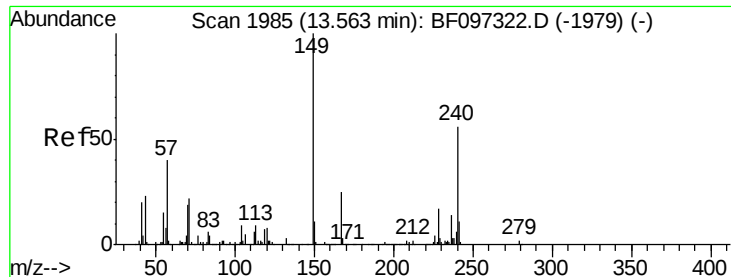
Tot Ion:178 Resp: 30949
Ion Ratio Lower Upper
178 100
176 27.0 16.2 24.4#
179 22.3 12.6 19.0#



#74
Fluoranthene
Concen: 2.81 ng
RT: 12.10 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097565.D
Acq: 10 Aug 2017 18:36

Tgt Ion:202 Resp: 40808
Ion Ratio Lower Upper
202 100
101 15.7 0.0 33.2
203 40.5 0.0 38.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

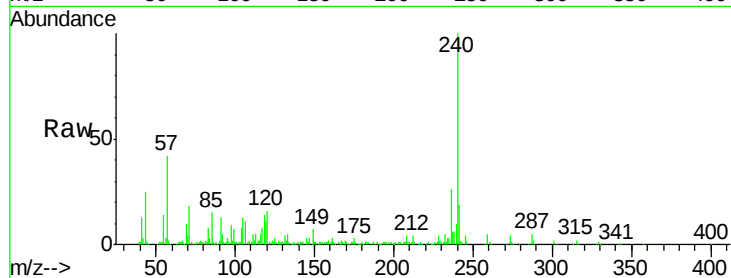
Tot Ion:240 Resp: 154299

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

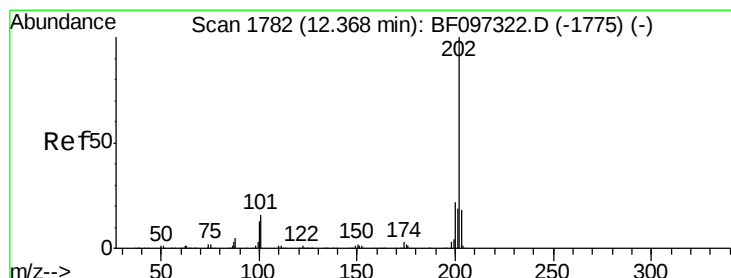
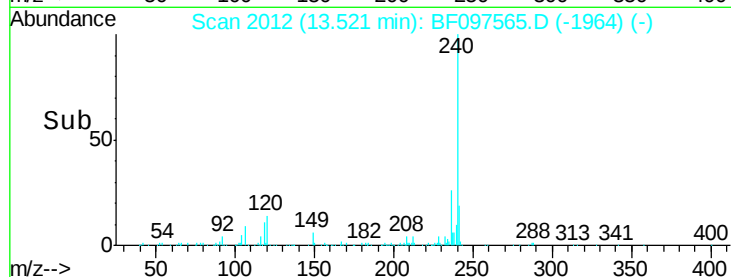
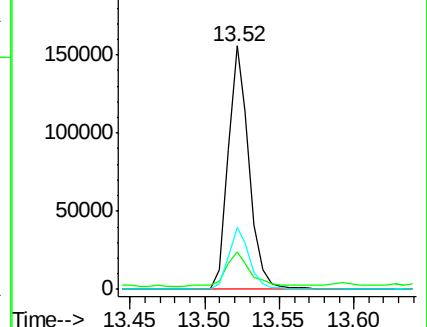
236 25.5 20.5 30.7



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: 2.65 ng

RT: 12.33 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

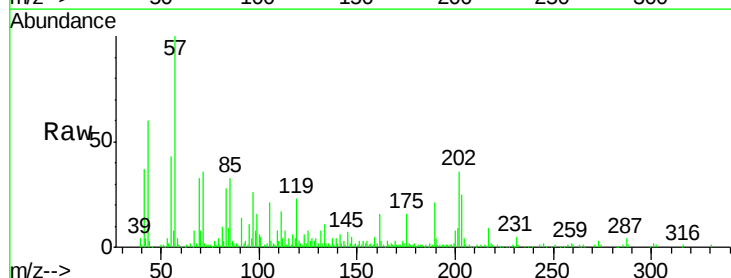
Tgt Ion:202 Resp: 33448

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

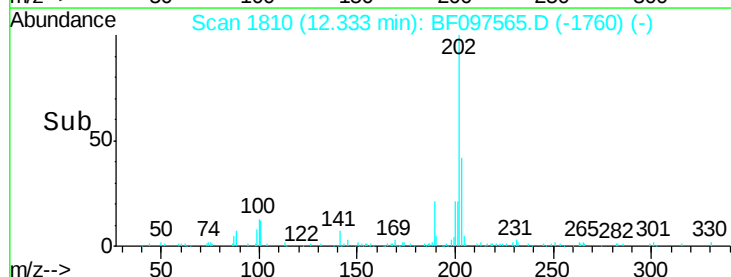
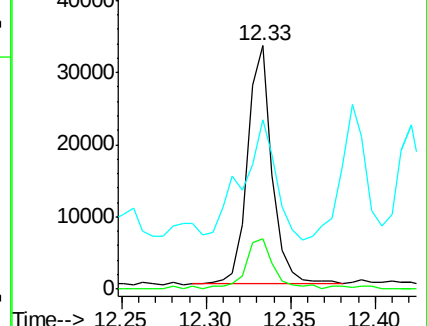
203 69.7 14.4 21.6#

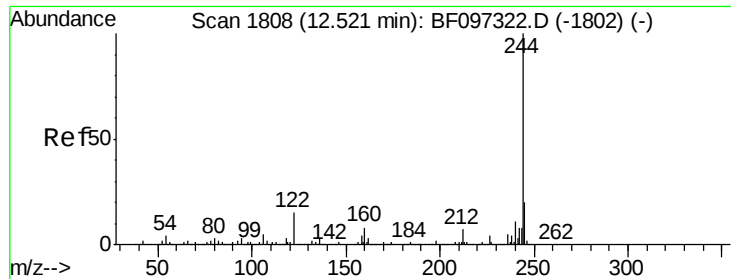


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.08 ng

RT: 12.47 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

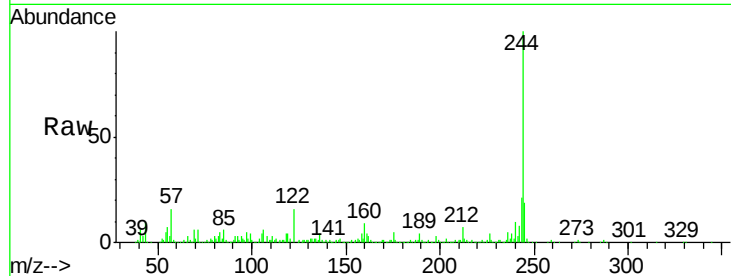
Tot Ion:244 Resp: 431999

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

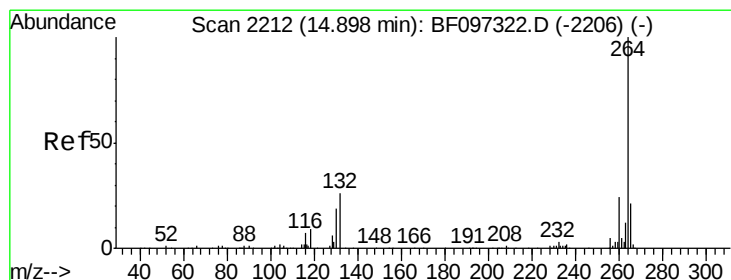
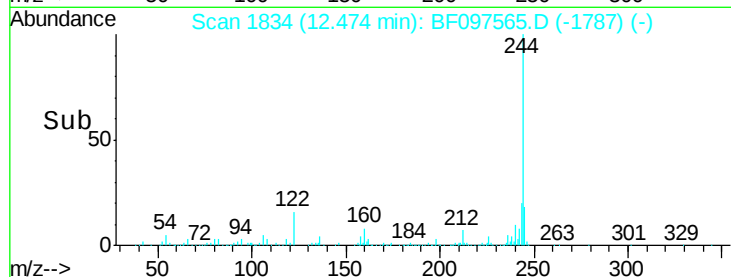
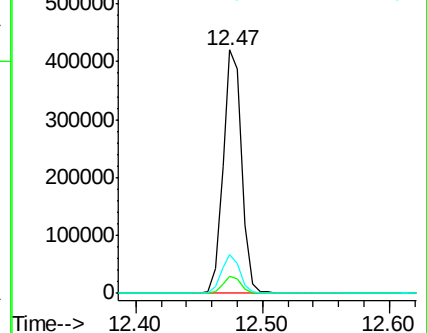
122 16.1 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.86 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

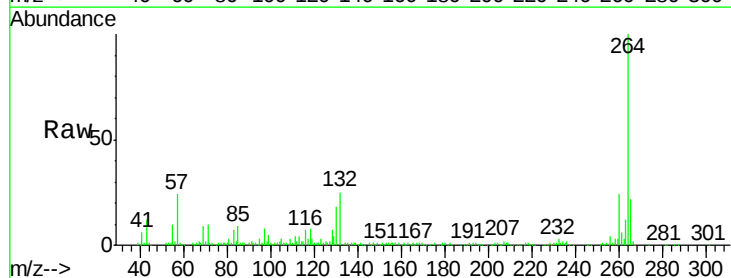
Tgt Ion:264 Resp: 179988

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

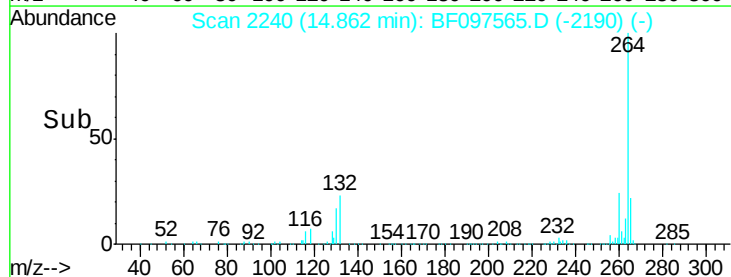
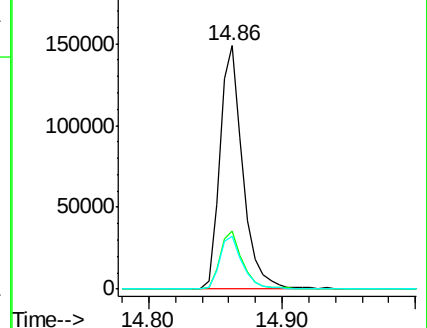
265 21.9 17.2 25.8

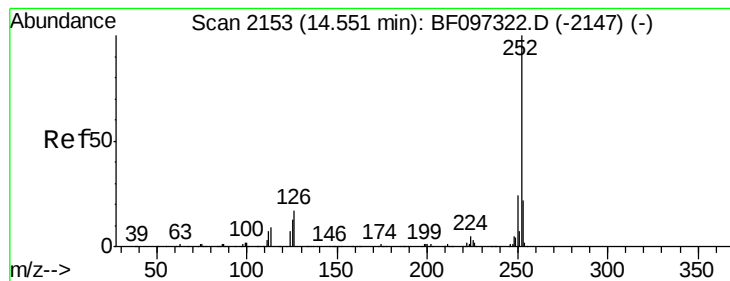


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.41 ng

RT: 14.53 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

Instrument :

BNA_F

ClientSampleId :

RO-124019-72-12014

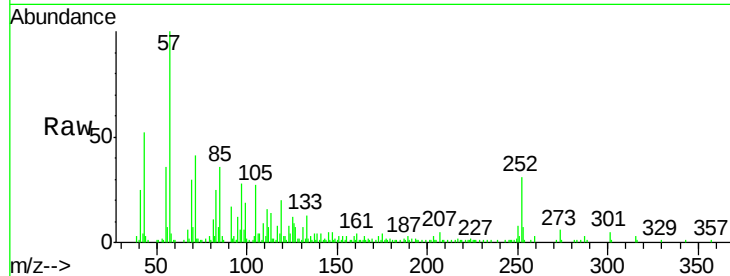
Tot Ion:252 Resp: 26076

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

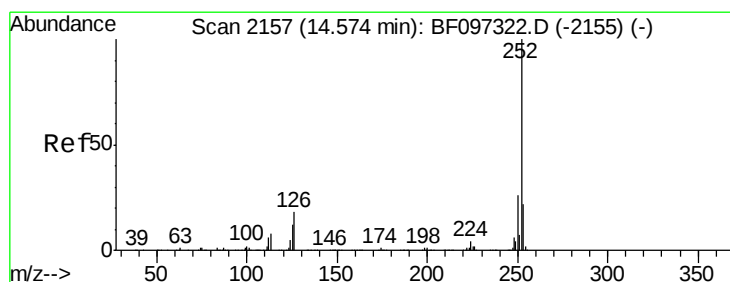
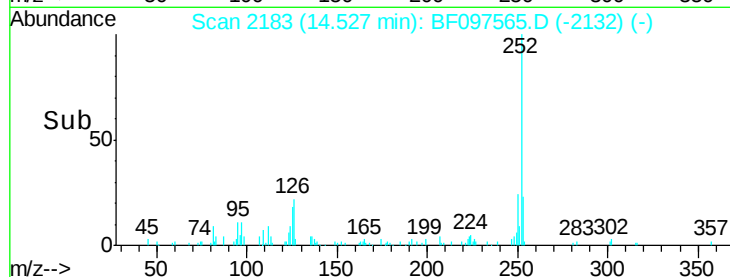
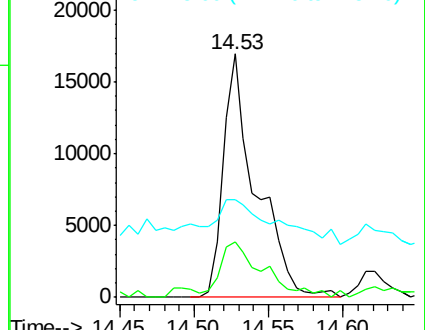
125 39.9 9.8 14.8#



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: 2.53 ng

RT: 14.53 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF097565.D

Acq: 10 Aug 2017 18:36

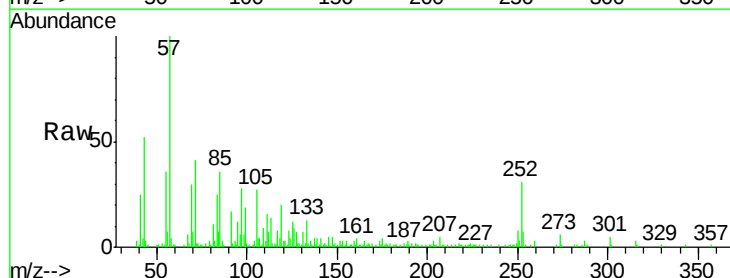
Tgt Ion:252 Resp: 26076

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 39.9 13.1 19.7#



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

