

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118101.D
 Acq On : 4 Dec 2019 22:11
 Operator : JU
 Sample : K6098-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:41:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	176654	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	629611	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	337921	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	646187	20.00	ng	0.00
76) Chrysene-d12	14.07	240	415295	20.00	ng	0.00
87) Perylene-d12	15.57	264	439557	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1070675	107.28	ng	0.01
7) Phenol-d6	6.50	99	920371	76.46	ng	0.00
23) Nitrobenzene-d5	7.44	82	981733	92.69	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	616803	172.41	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2014367	106.94	ng	0.00
79) Terphenyl-d14	13.02	244	2530631	111.37	ng	0.00

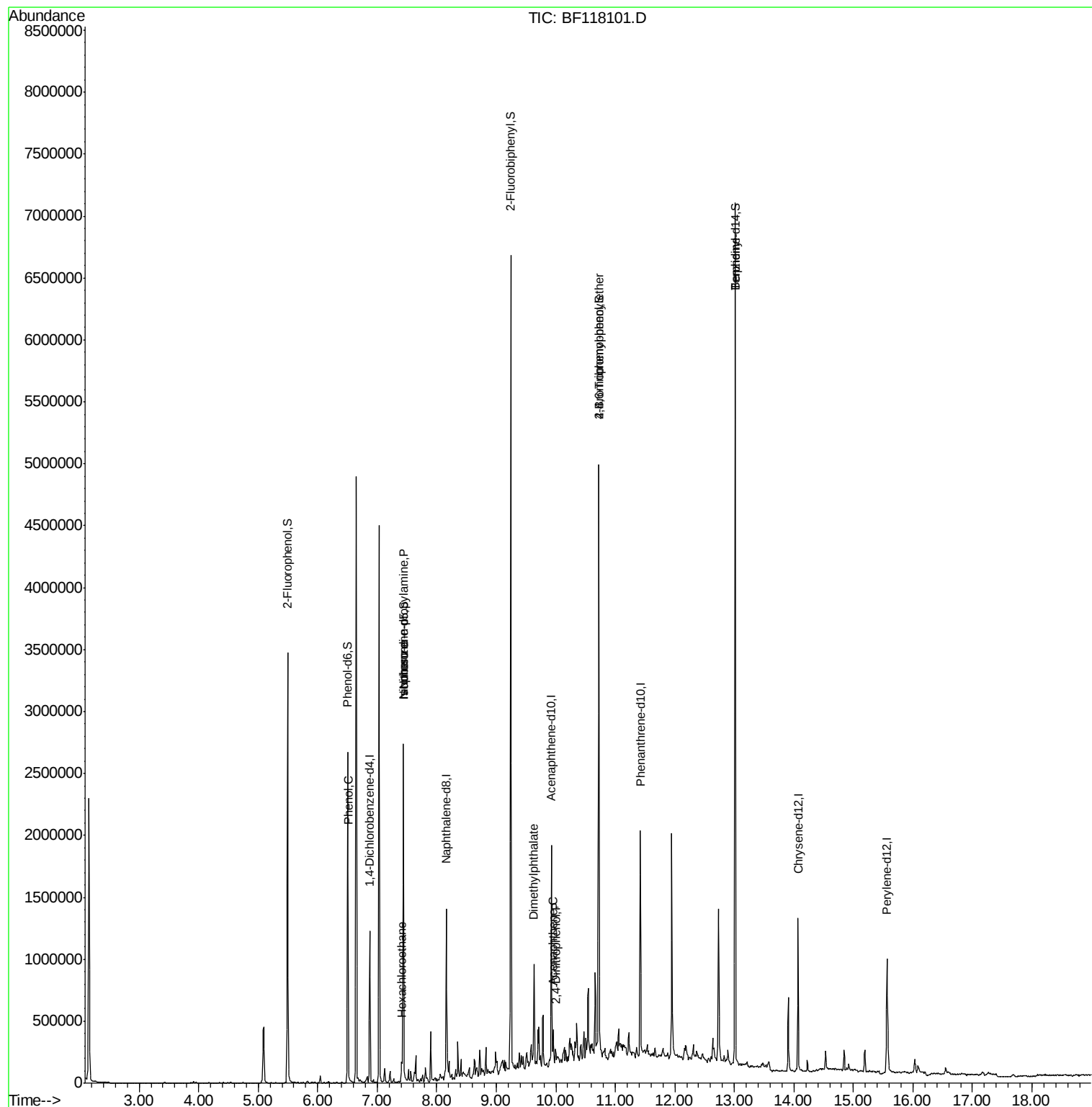
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1702	Below Cal		# 1
10) Phenol	6.52	94	27237	2.177	ng	95
18) Hexachloroethane	7.41	117	16482	3.482	ng	# 12
19) n-Nitroso-di-n-propylamine	7.44	70	130888	17.625	ng	# 74
25) Isophorone	7.44	82	981576	50.565	ng	# 63
50) Dimethylphthalate	9.64	163	354633	14.966	ng	99
52) Acenaphthene	9.96	154	49744	2.582	ng	100
54) 2,4-Dinitrophenol	10.00	184	506	7.398	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	37955	5.444	ng	# 1
75) Fluoranthene	12.64	202	13970	Below Cal		94
77) Benzydine	13.02	184	34920	2.567	ng	# 93

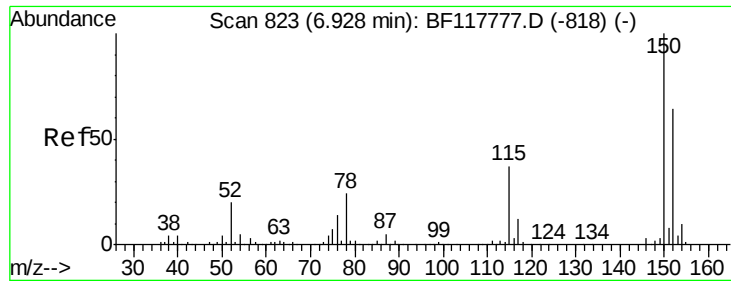
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118101.D
Acq On : 4 Dec 2019 22:11
Operator : JU
Sample : K6098-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 05 00:41:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 03 15:16:53 2019
Response via : Initial Calibration



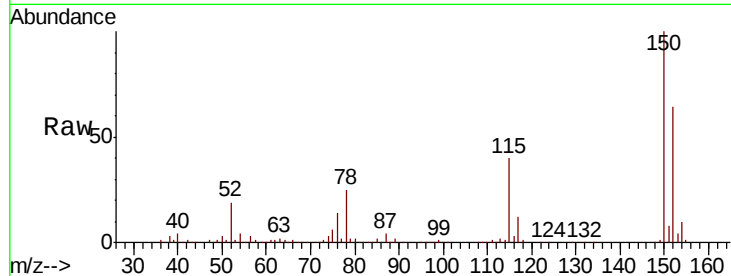


#1

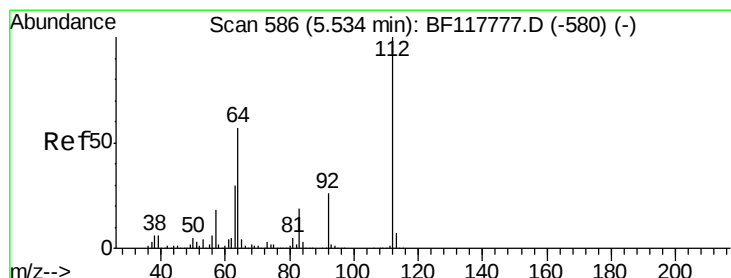
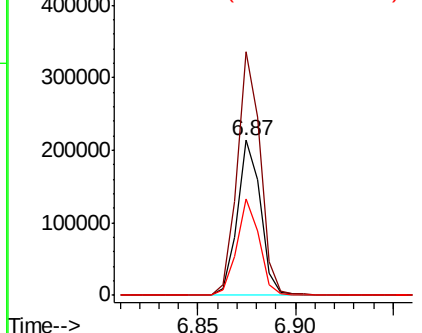
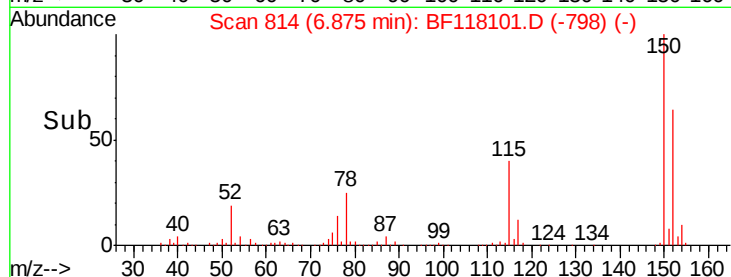
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176654
Ion Ratio Lower Upper
152 100
150 157.3 121.4 182.2
115 62.7 48.8 73.2



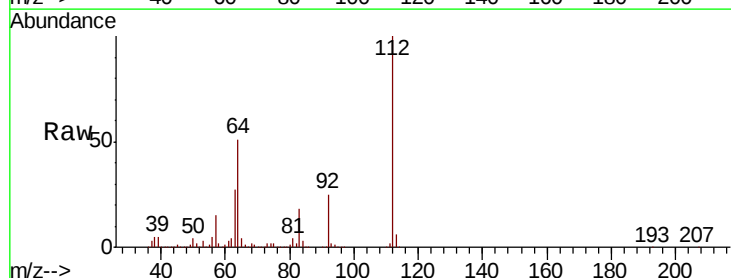
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



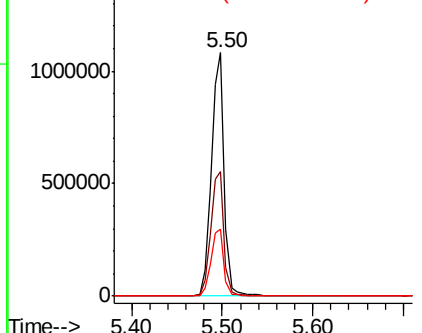
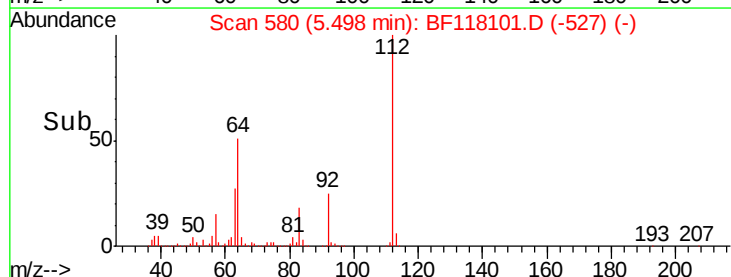
#5

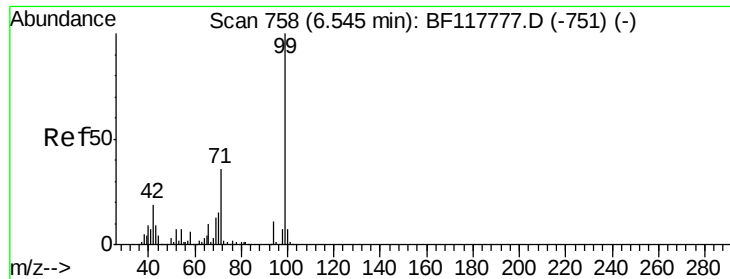
2-Fluorophenol
Concen: 107.284 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Tgt Ion:112 Resp: 1070675
Ion Ratio Lower Upper
112 100
64 51.0 45.1 67.7
63 27.5 24.6 37.0



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: 76.460 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampleId :

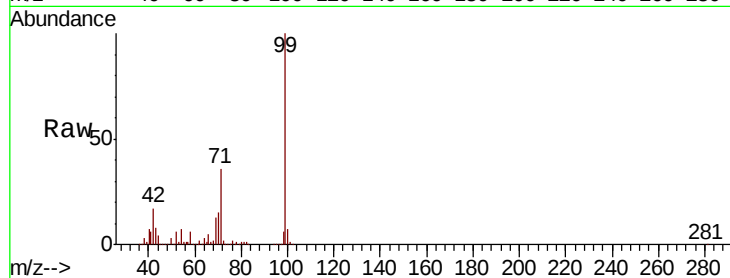
Tot Ion: 99 Resp: 920371

Ion Ratio Lower Upper

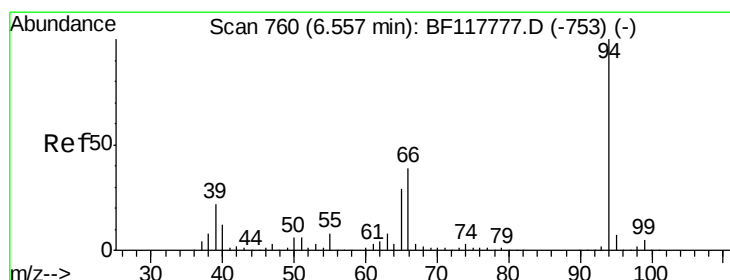
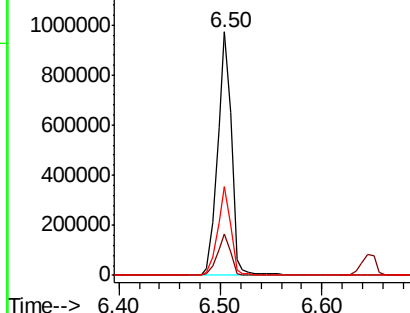
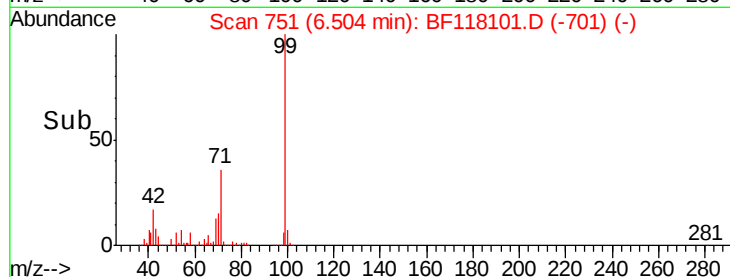
99 100

42 16.9 14.0 21.0

71 36.3 29.2 43.8



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: 2.177 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

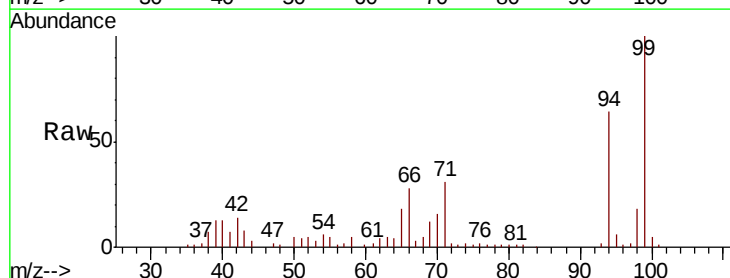
Tgt Ion: 94 Resp: 27237

Ion Ratio Lower Upper

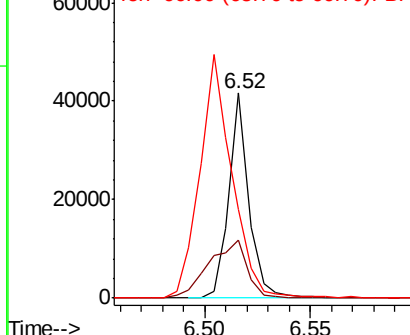
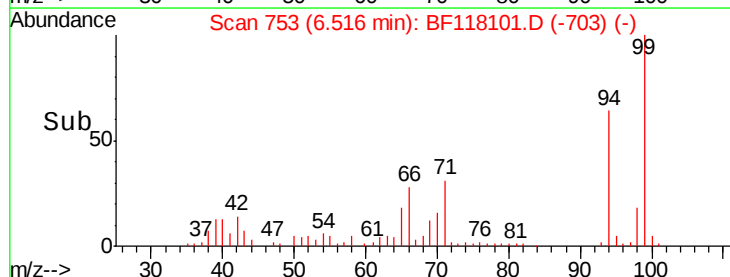
94 100

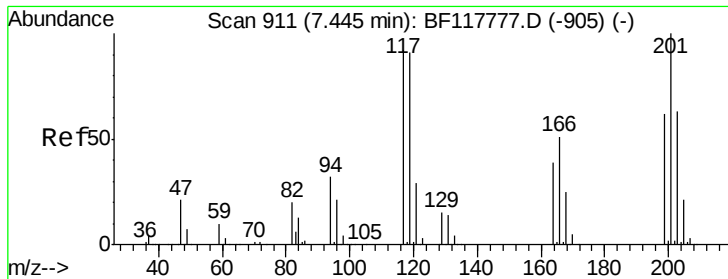
65 28.1 6.9 46.9

66 43.2 18.6 58.6



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

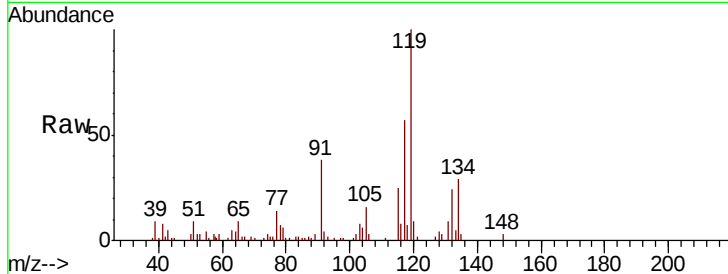




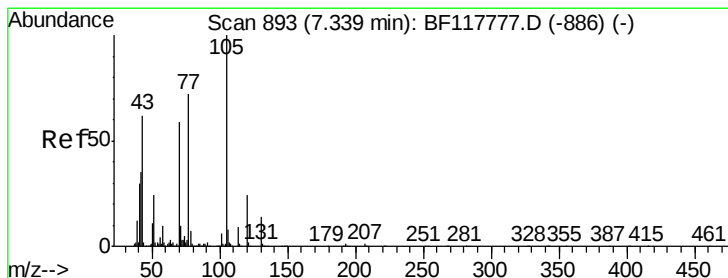
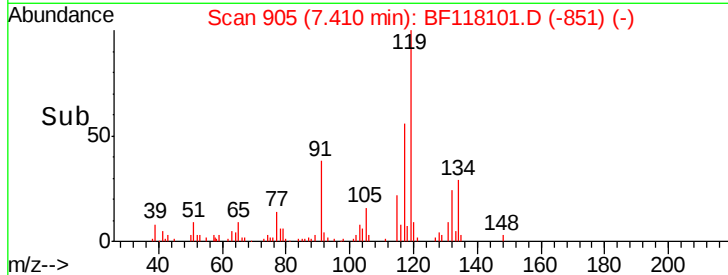
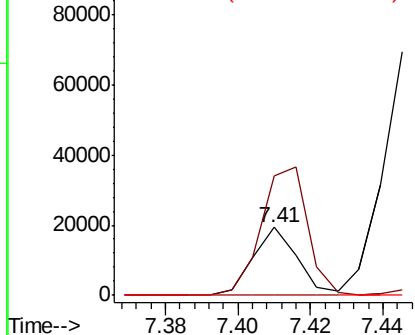
#18
Hexachloroethane
Concen: 3.482 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 16482
Ion Ratio Lower Upper
117 100
119 174.2 76.4 114.6#
201 0.0 71.7 107.5#

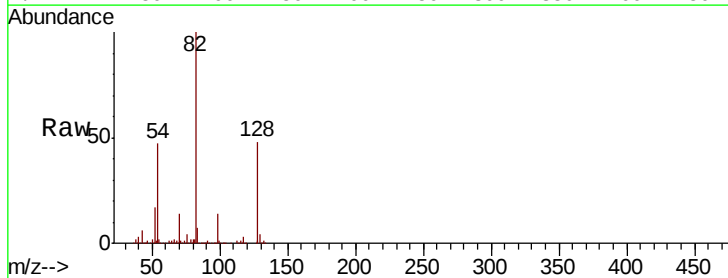


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

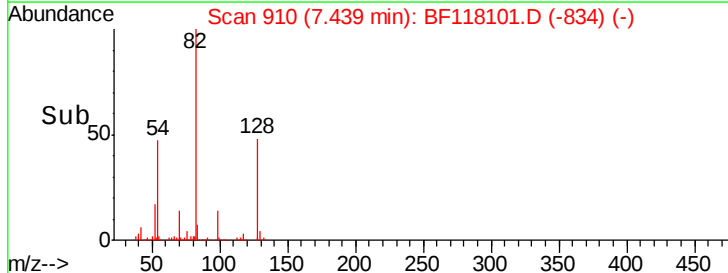
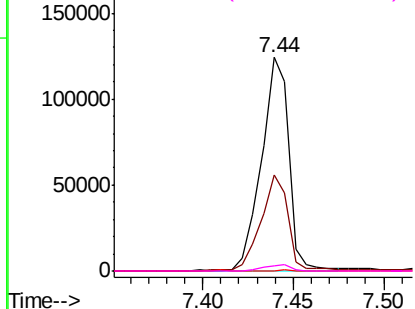


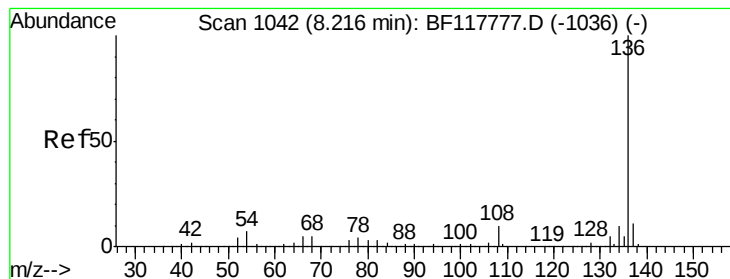
#19
n-Nitroso-di-n-propylamine
Concen: 17.625 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Tgt Ion: 70 Resp: 130888
Ion Ratio Lower Upper
70 100
42 45.1 46.0 69.0#
101 0.0 8.8 13.2#
130 2.4 19.8 29.6#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 629611

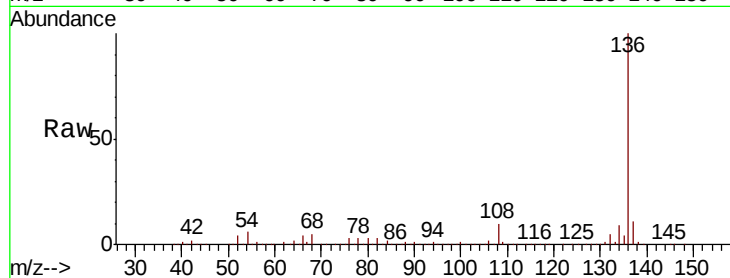
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.5 4.9 7.3

68 5.1 3.6 5.4

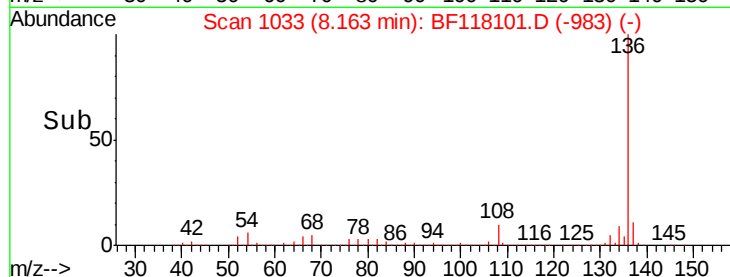


Abundance Ion 136.00 (135.70 to 136.70): E

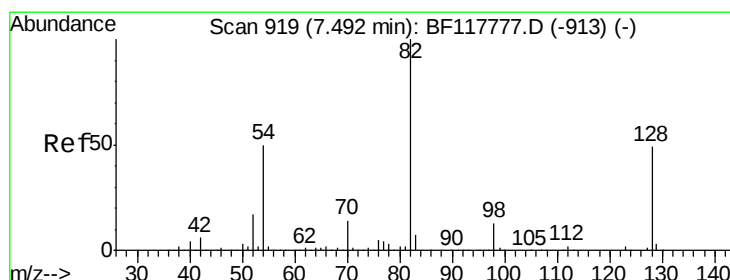
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 92.692 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

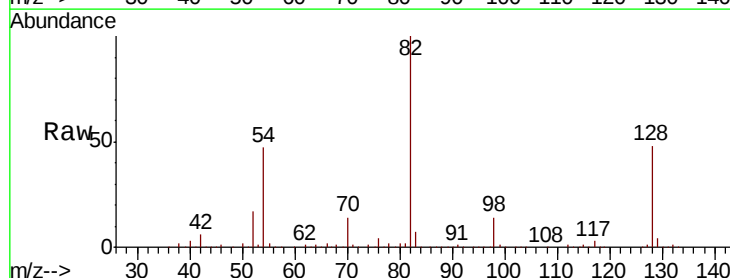
Tgt Ion: 82 Resp: 981733

Ion Ratio Lower Upper

82 100

128 47.7 38.2 57.4

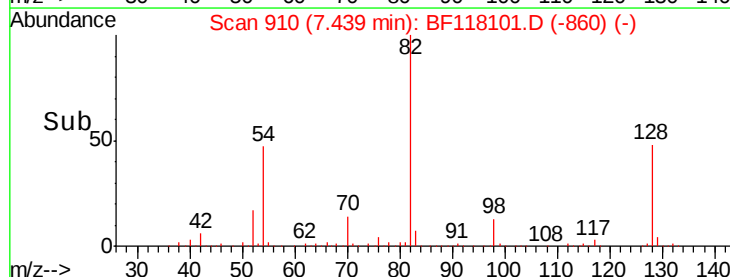
54 46.7 39.0 58.4



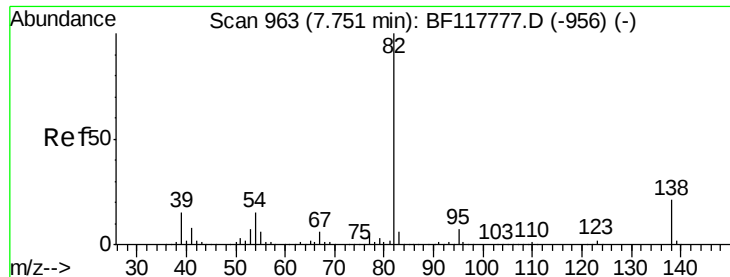
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 50.565 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampleId :

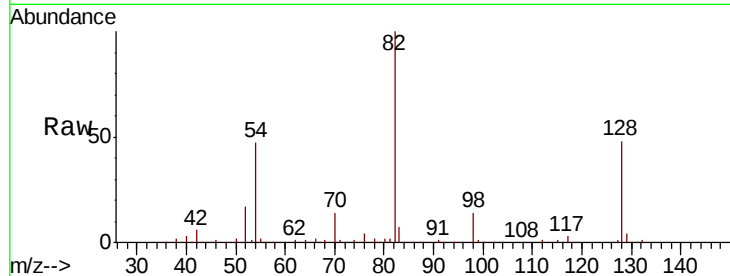
Tot Ion: 82 Resp: 981576

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

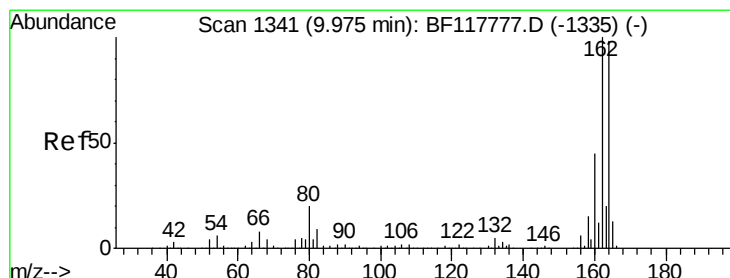
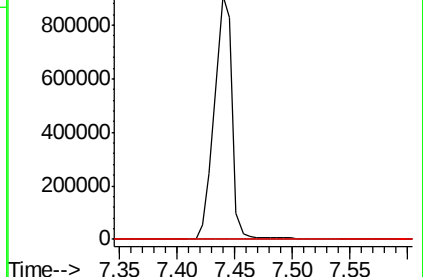
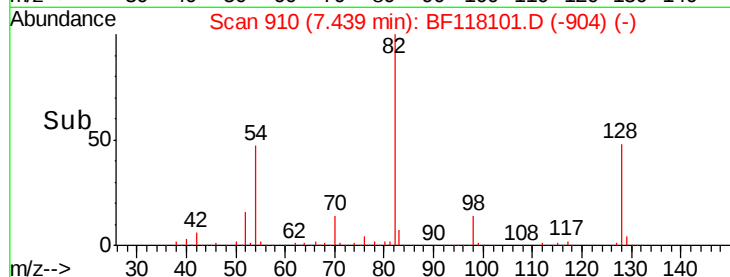
138 0.0 15.9 23.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

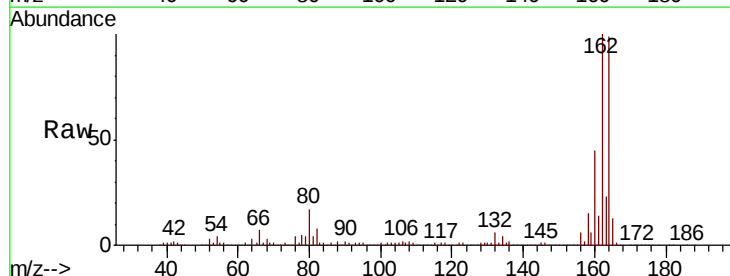
Tgt Ion:164 Resp: 337921

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.8

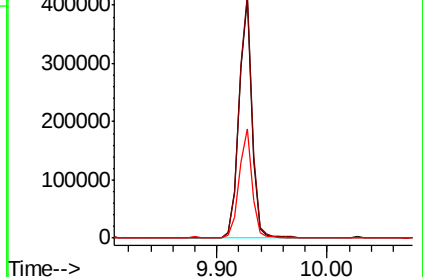
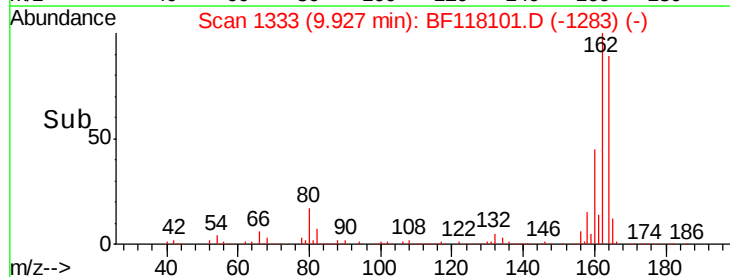
160 45.3 35.9 53.9

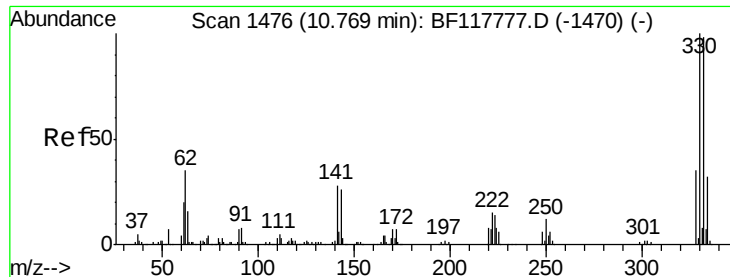


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 172.410 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampleId :

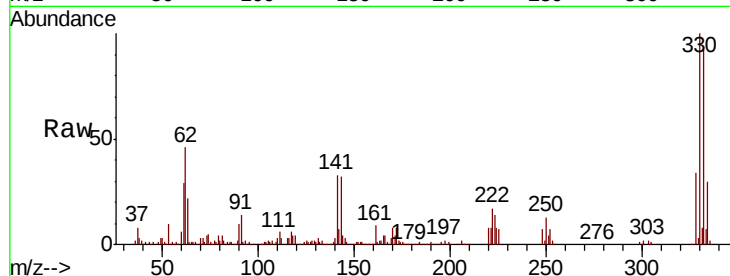
Tot Ion:330 Resp: 616803

Ion Ratio Lower Upper

330 100

332 95.8 78.3 117.5

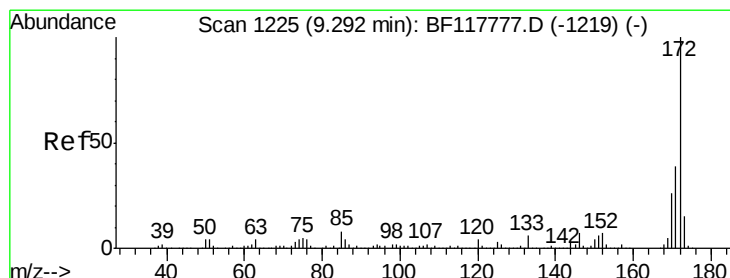
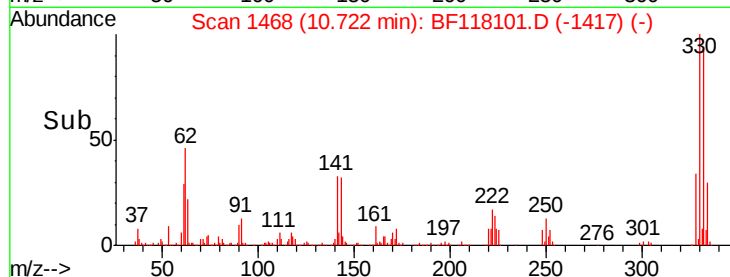
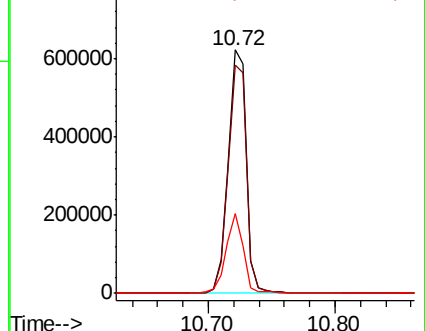
141 30.7 26.4 39.6



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



#45

2-Fluorobiphenyl

Concen: 106.943 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

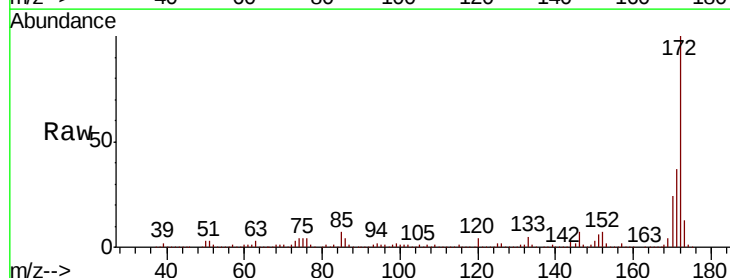
Tgt Ion:172 Resp: 2014367

Ion Ratio Lower Upper

172 100

171 37.2 29.2 43.8

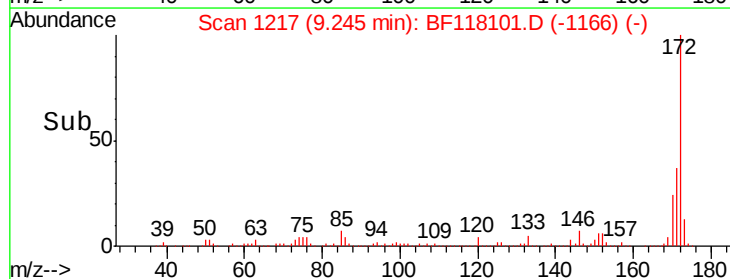
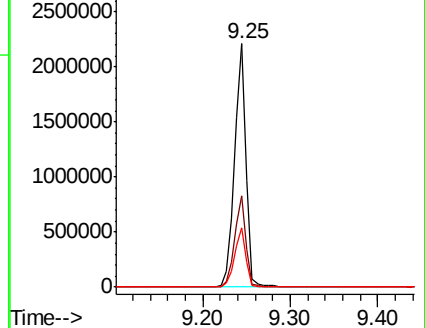
170 24.1 19.3 28.9

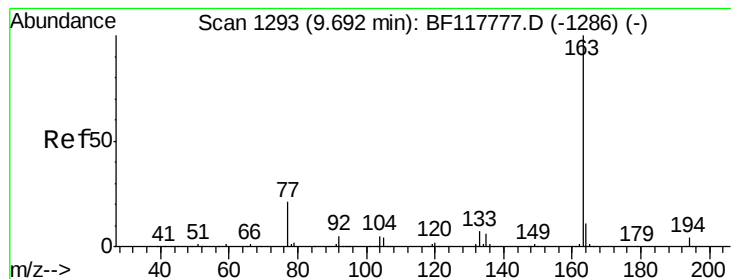


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.966 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampleId :

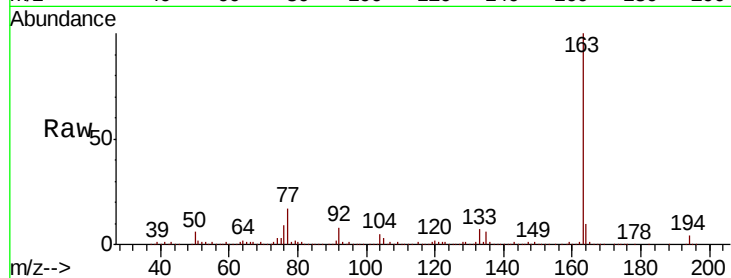
Tot Ion:163 Resp: 354633

Ion Ratio Lower Upper

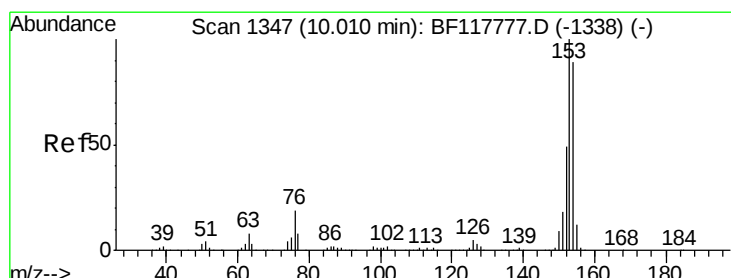
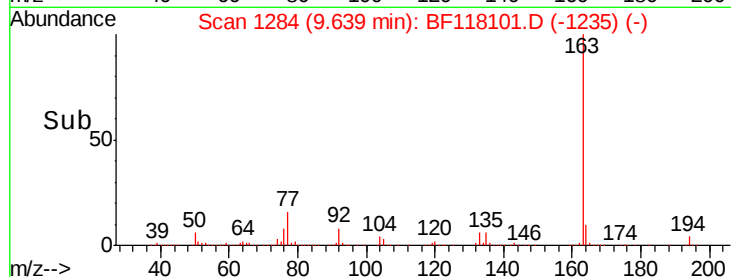
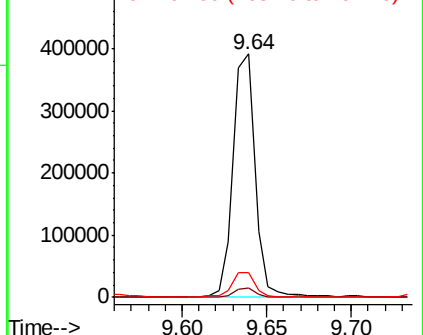
163 100

194 4.1 3.1 4.7

164 10.3 7.9 11.9



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



#52

Acenaphthene

Concen: 2.582 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

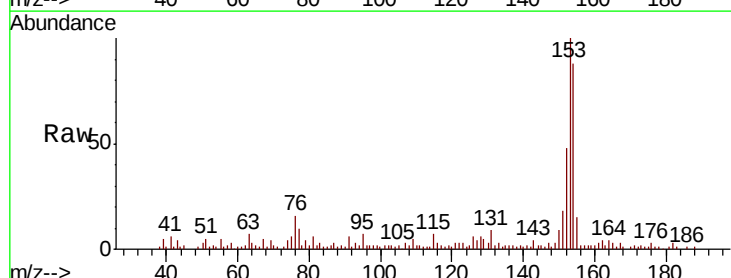
Tgt Ion:154 Resp: 49744

Ion Ratio Lower Upper

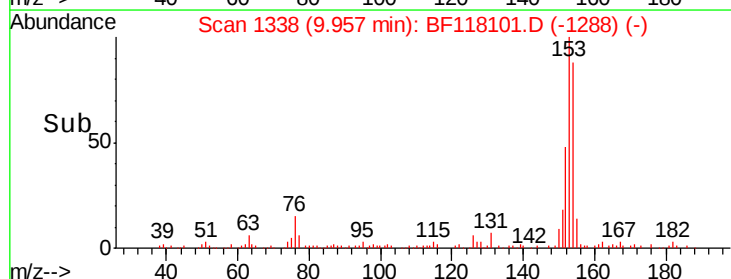
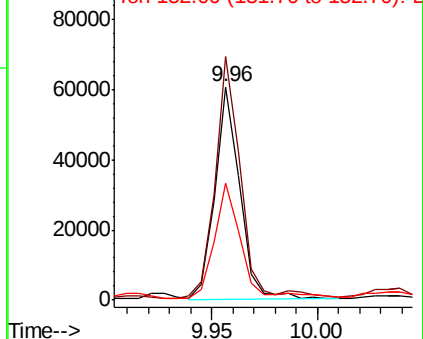
154 100

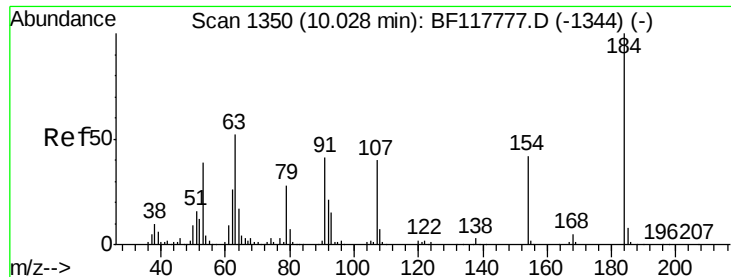
153 114.1 91.2 136.8

152 55.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

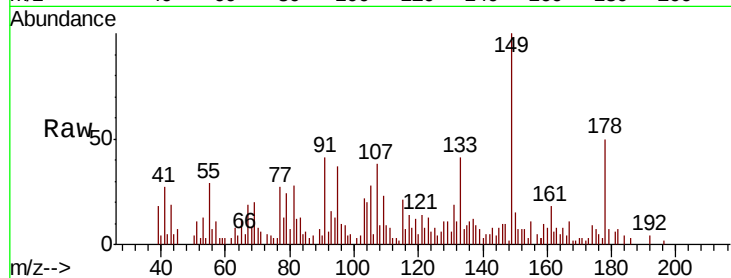




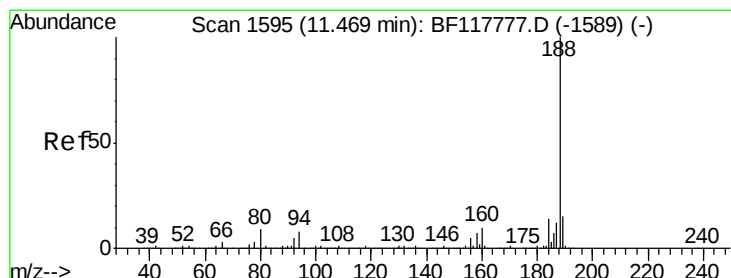
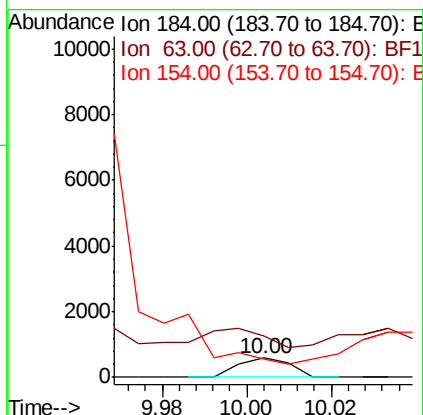
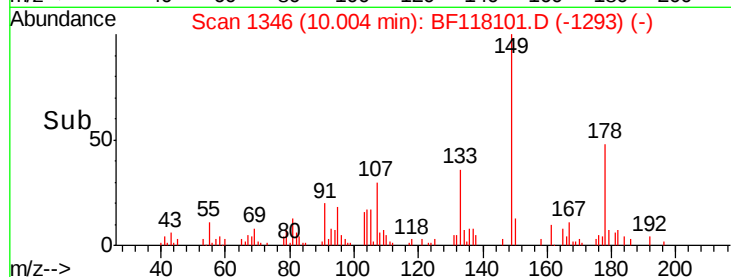
#54
2,4-Dinitrophenol
Concen: 7.398 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 506
Ion Ratio Lower Upper
184 100
63 212.8 45.3 67.9#
154 93.3 51.6 77.4#

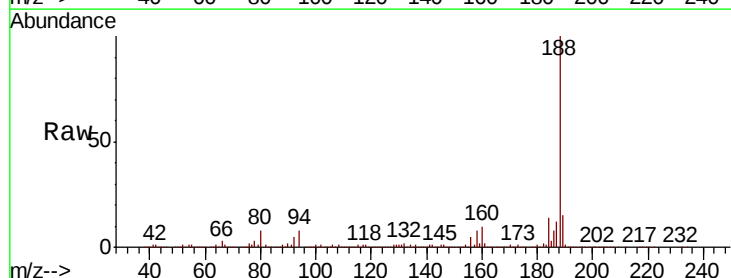


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

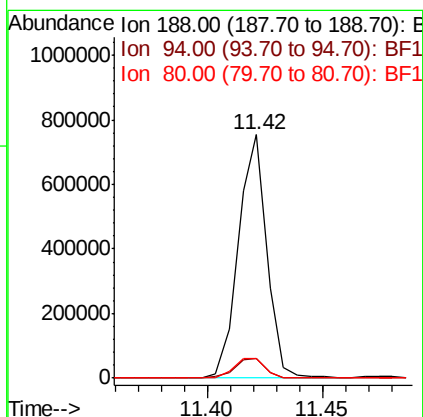
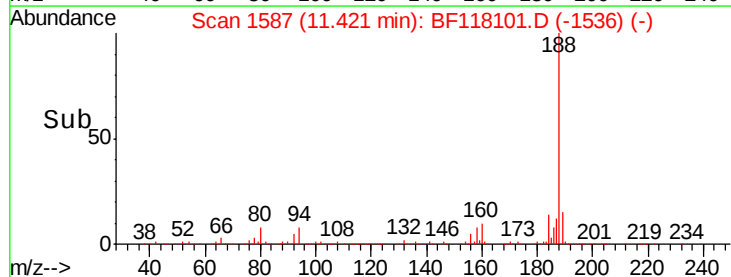


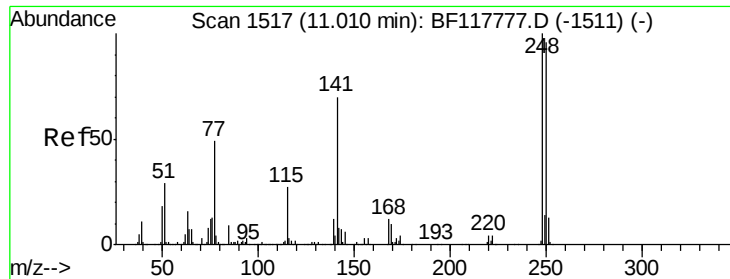
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Tgt Ion:188 Resp: 646187
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.3 7.2 10.8



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

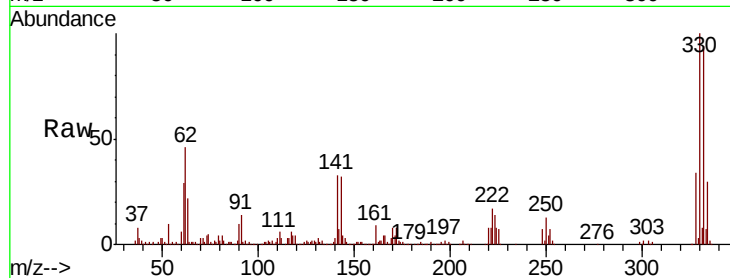




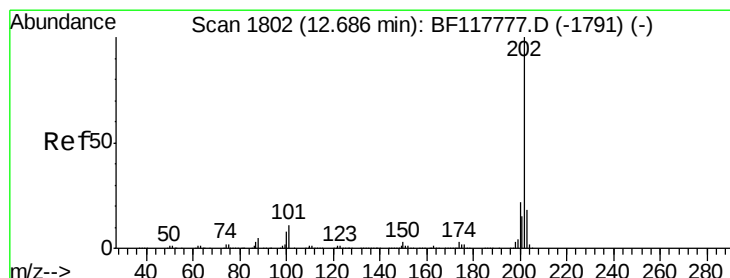
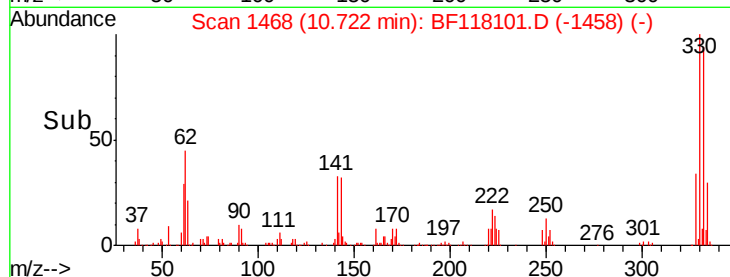
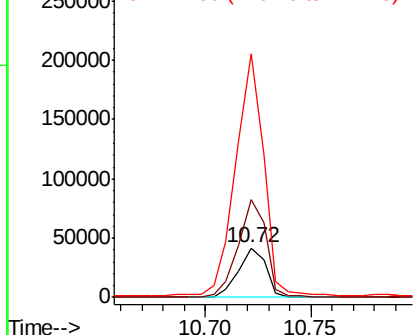
#67
4-Bromophenyl-phenylether
Concen: 5.444 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 37955
Ion Ratio Lower Upper
248 100
250 197.3 78.0 117.0#
141 493.8 64.0 96.0#

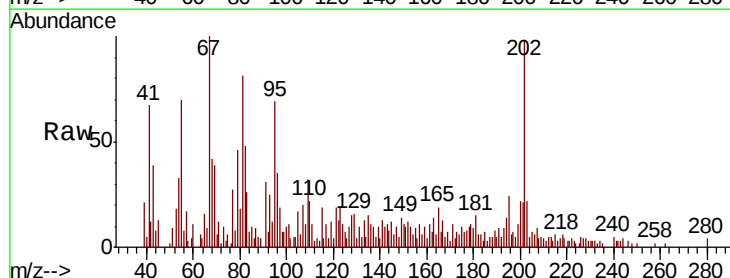


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

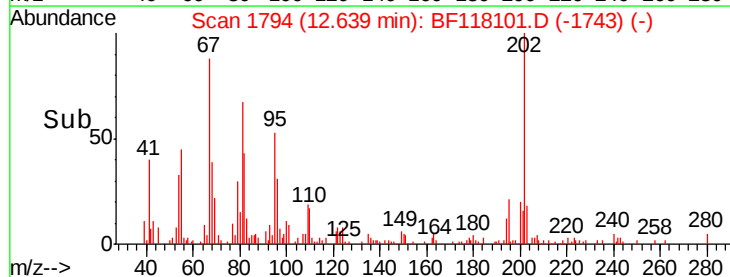
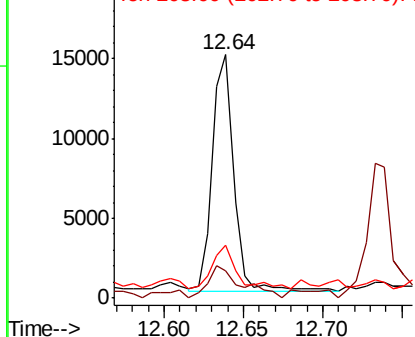


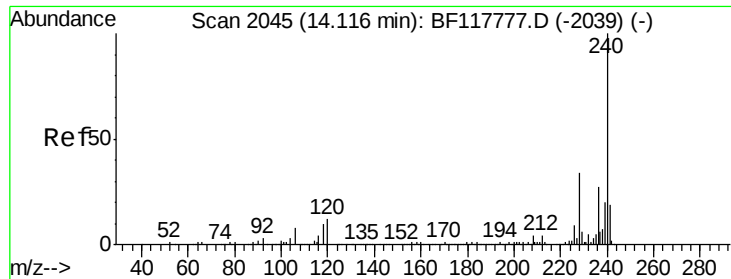
#75
Fluoranthene
Concen: Below Cal
RT: 12.64 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF118101.D
Acq: 4 Dec 2019 22:11

Tgt Ion:202 Resp: 13970
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.5
203 21.8 0.0 37.6



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

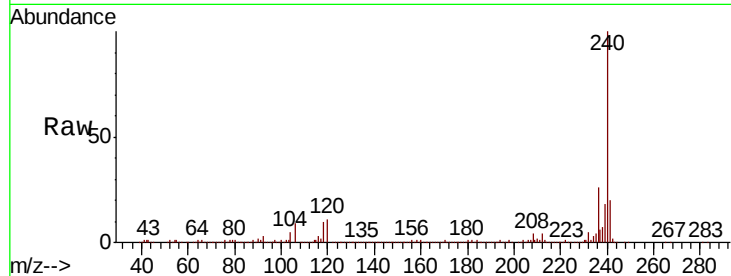




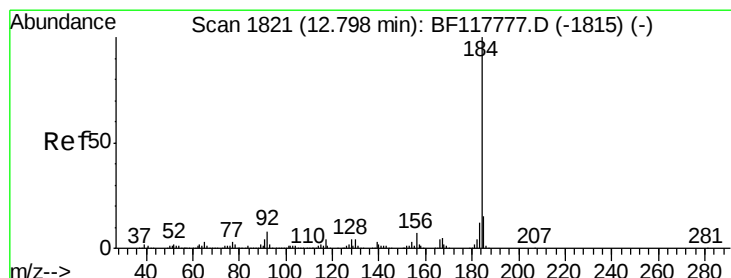
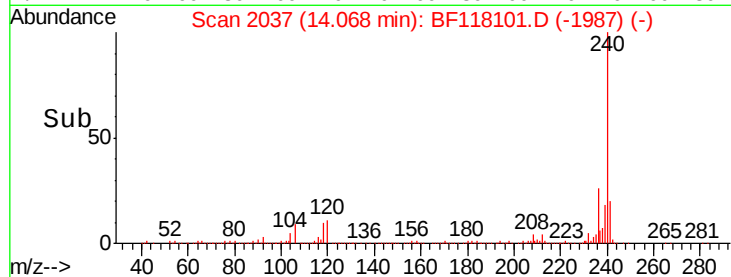
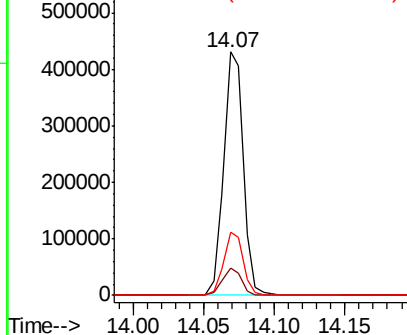
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118101.D
 Acq: 4 Dec 2019 22:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 415295
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.4 12.6
 236 25.7 20.6 31.0

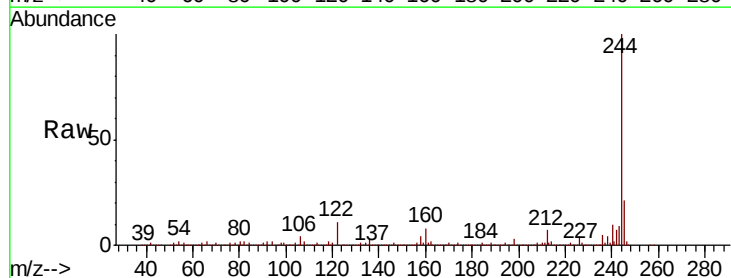


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

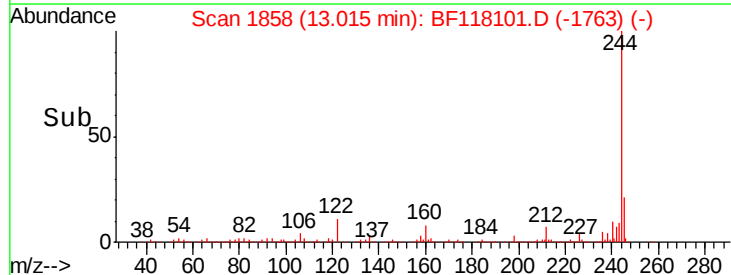
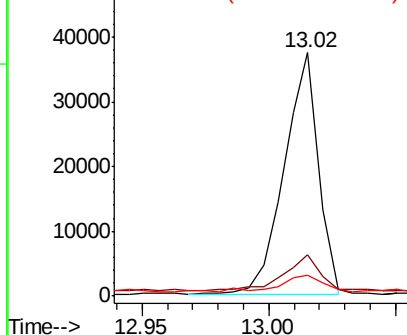


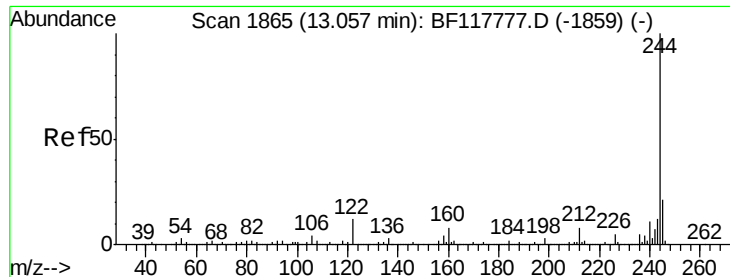
#77
 Benzidine
 Concen: 2.567 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.26 min
 Lab File: BF118101.D
 Acq: 4 Dec 2019 22:11

Tgt Ion:184 Resp: 34920
 Ion Ratio Lower Upper
 184 100
 185 16.9 11.6 17.4
 183 8.5 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 111.367 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

Instrument :

BNA_F

ClientSampleId :

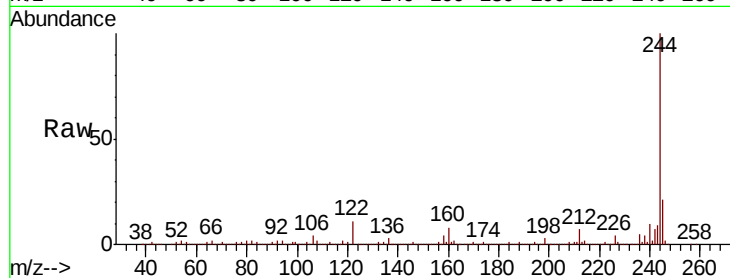
Tot Ion:244 Resp: 2530631

Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

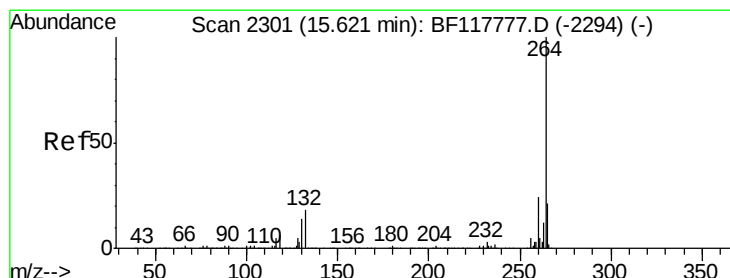
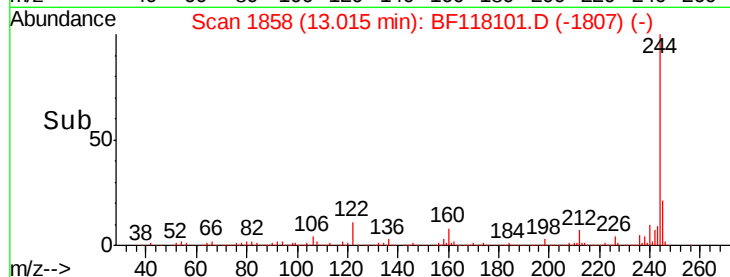
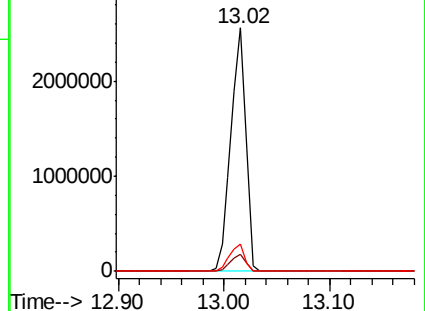
122 11.2 7.2 10.8#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BF118101.D

Acq: 4 Dec 2019 22:11

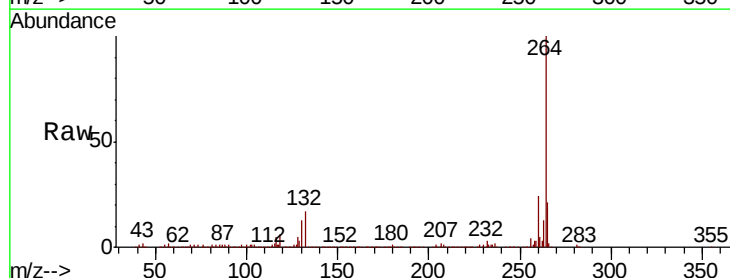
Tgt Ion:264 Resp: 439557

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.3 16.4 24.6



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

