

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121404.D
 Acq On : 24 Aug 2020 17:50
 Operator : JU/CG
 Sample : L3773-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-COMP

Quant Time: Aug 24 18:13:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 11:54:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	126698	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	399576	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	210219	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	402852	20.00	ng	0.00
76) Chrysene-d12	13.85	240	353742	20.00	ng	-0.01
86) Perylene-d12	15.27	264	332519	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	703459	91.04	ng	0.00
7) Phenol-d6	6.34	99	852045	86.38	ng	-0.01
23) Nitrobenzene-d5	7.26	82	542344	76.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.53	330	172653	70.48	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	915483	83.35	ng	0.00
79) Terphenyl-d14	12.81	244	907560	50.14	ng	0.00

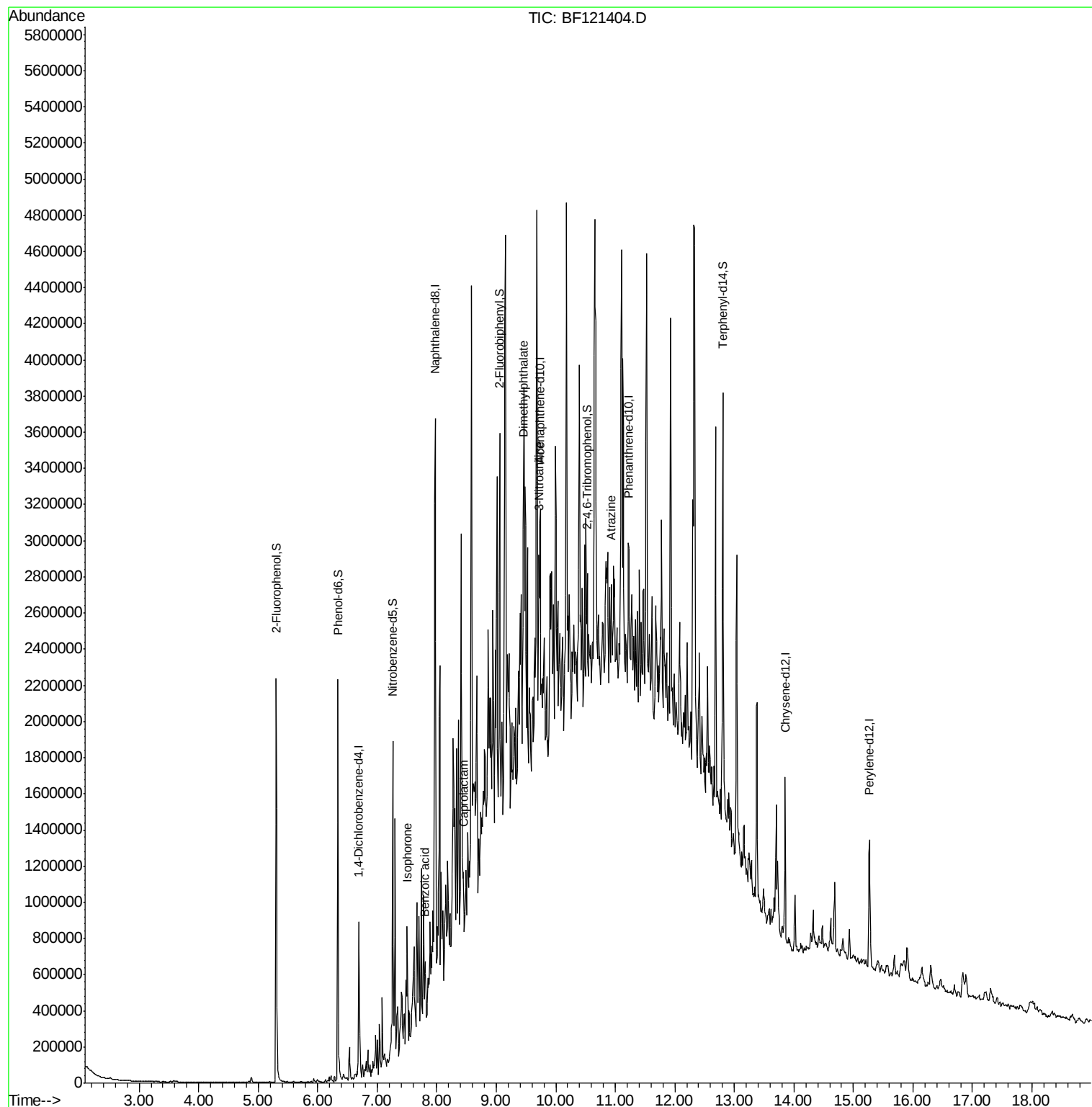
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.16	107	118	Below Cal	#	1
25) Isophorone	7.50	82	28015	2.179 ng	#	1
32) Benzoic acid	7.80	122	1427	7.361 ng	#	1
35) Caprolactam	8.45	113	6535	3.468 ng	#	1
50) Dimethylphthalate	9.45	163	84234	5.508 ng	#	89
53) 3-Nitroaniline	9.72	138	8889	2.175 ng	#	45
55) Dibenzofuran	9.93	168	9211	Below Cal	#	29
58) Fluorene	10.31	166	4016	Below Cal	#	1
61) 4-Chlorophenyl-phenylether	10.29	204	1845	Below Cal	#	1
69) Atrazine	10.94	200	11198	2.909 ng	#	72

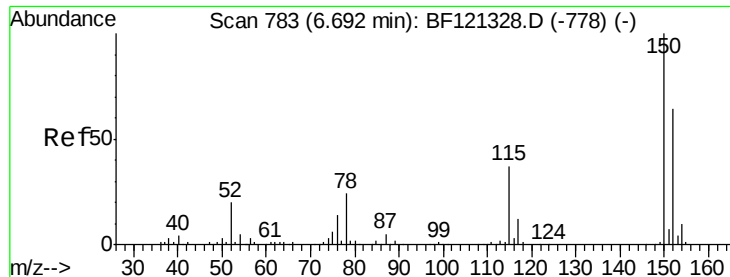
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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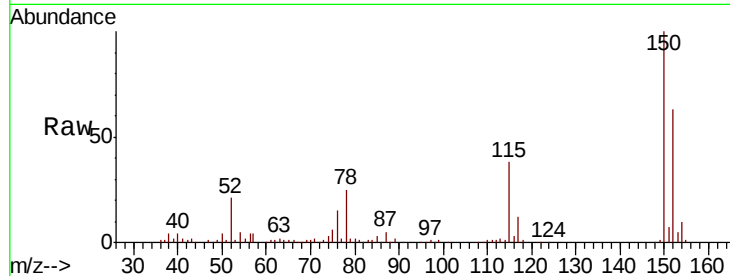


#1

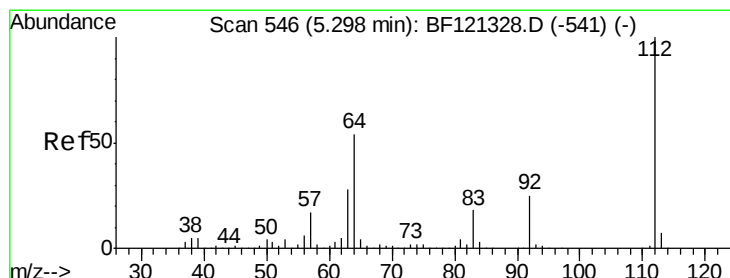
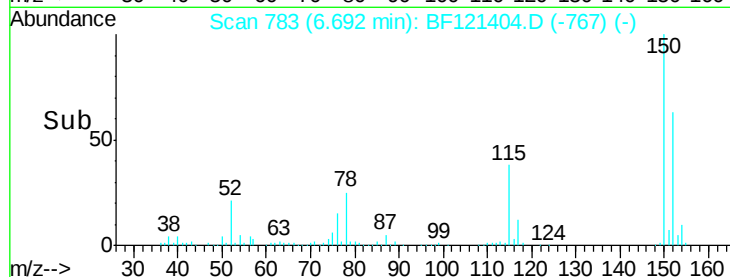
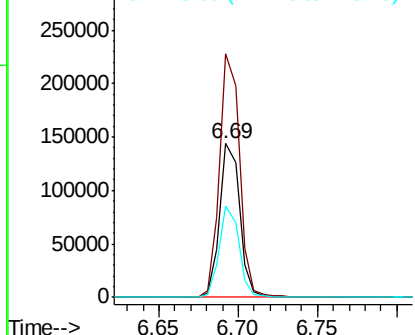
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF121404.D
 Acq: 24 Aug 2020 17:50

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-COMP

Tot Ion:152 Resp: 126698
 Ion Ratio Lower Upper
 152 100
 150 158.5 125.4 188.0
 115 59.6 47.0 70.6



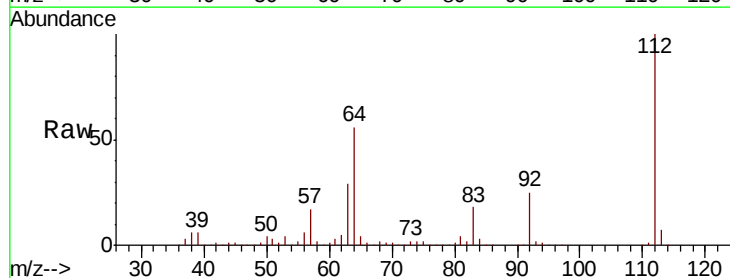
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



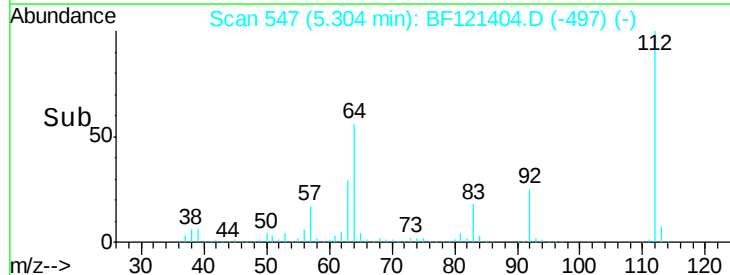
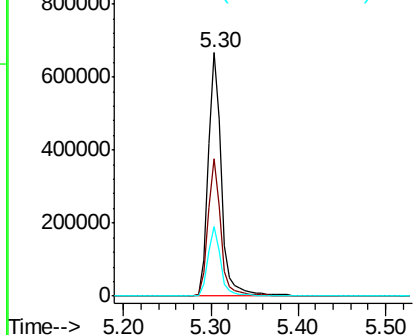
#5

2-Fluorophenol
 Concen: 91.042 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF121404.D
 Acq: 24 Aug 2020 17:50

Tgt Ion:112 Resp: 703459
 Ion Ratio Lower Upper
 112 100
 64 56.4 42.2 63.4
 63 28.6 21.4 32.2



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: 86.380 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Instrument :

BNA_F

ClientSampleId :

DRUM-COMP

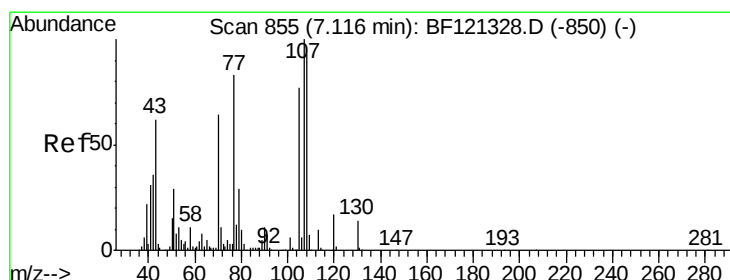
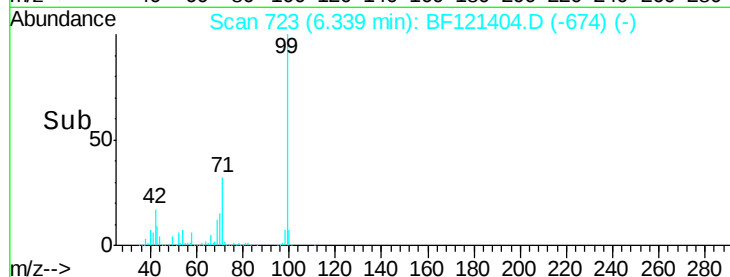
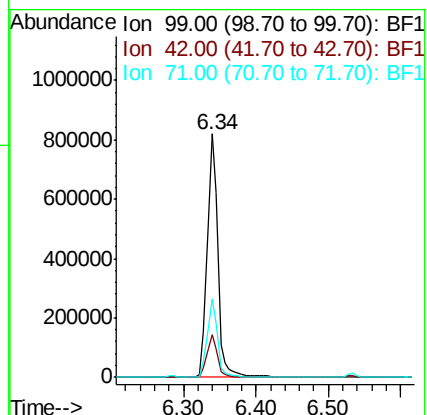
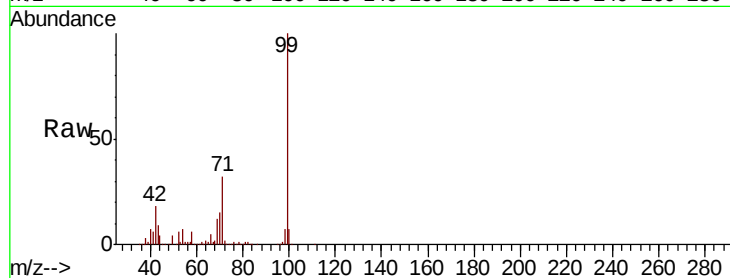
Tot Ion: 99 Resp: 852045

Ion Ratio Lower Upper

99 100

42 17.5 13.9 20.9

71 32.0 25.5 38.3



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. 0.03 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Tgt Ion: 107 Resp: 118

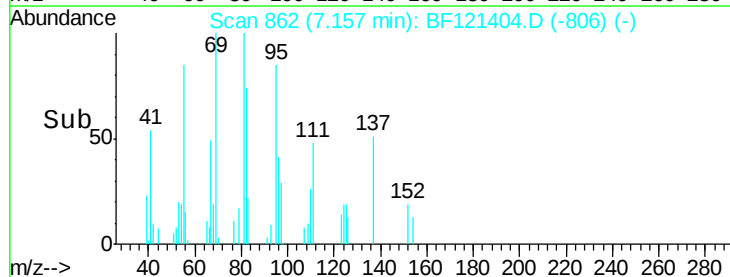
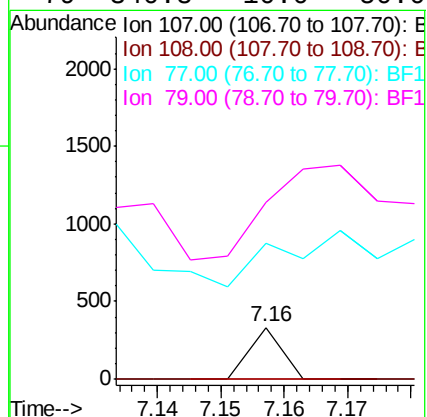
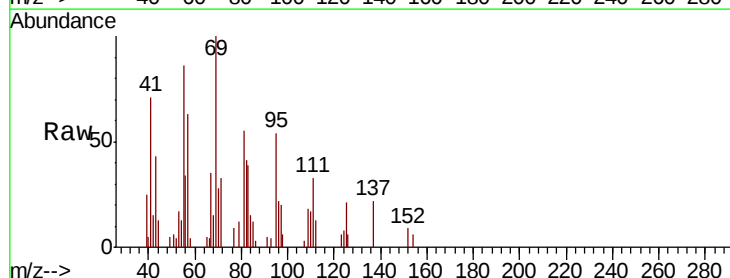
Ion Ratio Lower Upper

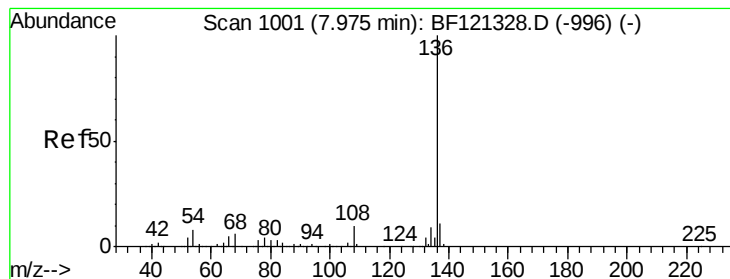
107 100

108 0.0 76.0 116.0#

77 262.2 26.5 66.5#

79 340.8 10.0 50.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Instrument :

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ClientSampleId :

DRUM-COMP

Tot Ion:136 Resp: 399576

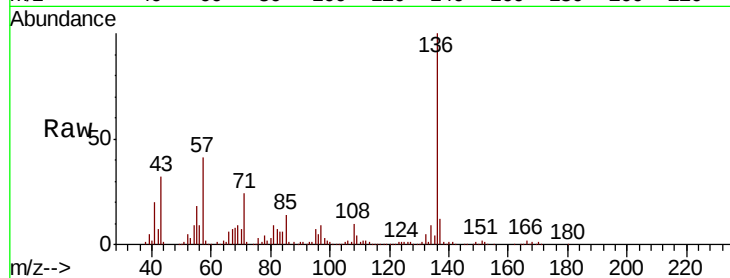
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 9.4 5.8 8.6#

68 8.1 4.7 7.1#

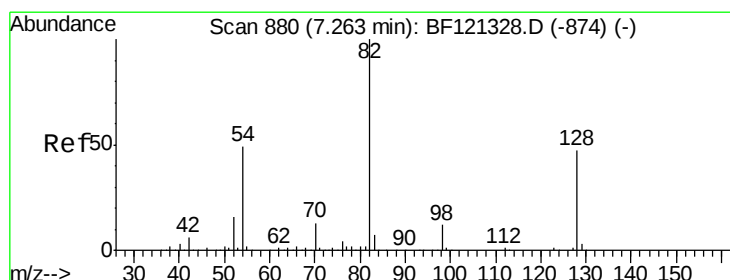
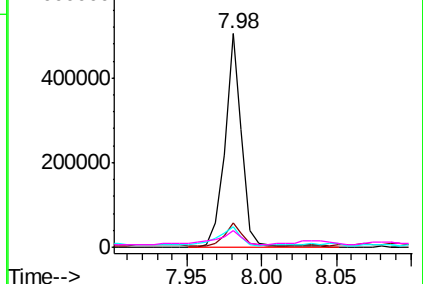
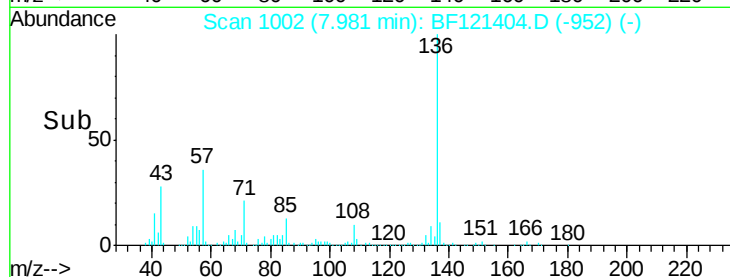


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.764 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

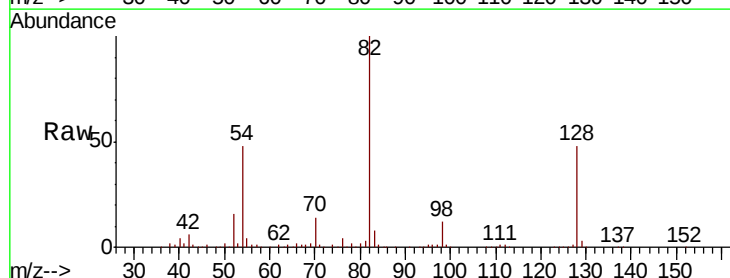
Tgt Ion: 82 Resp: 542344

Ion Ratio Lower Upper

82 100

128 47.5 38.4 57.6

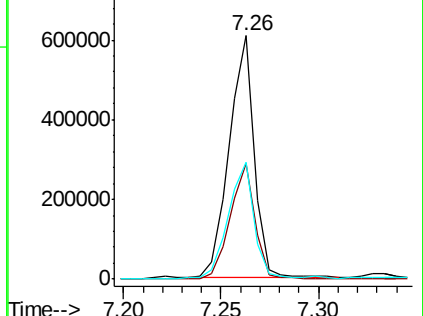
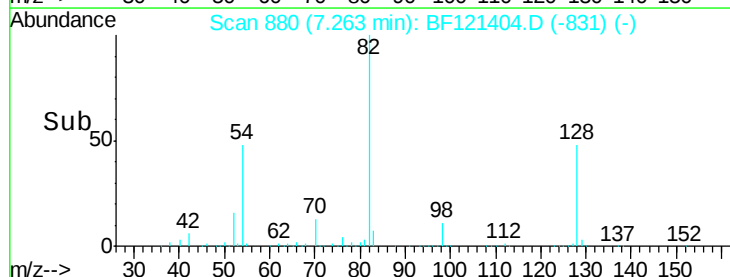
54 48.2 39.0 58.6

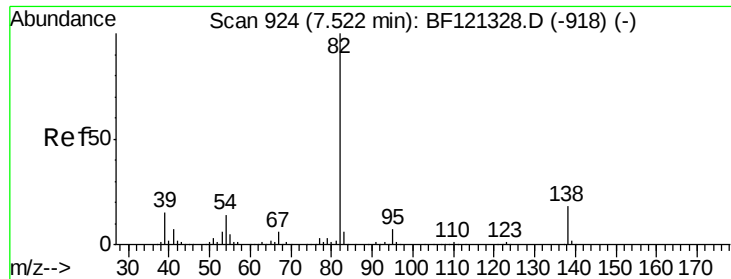


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.179 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

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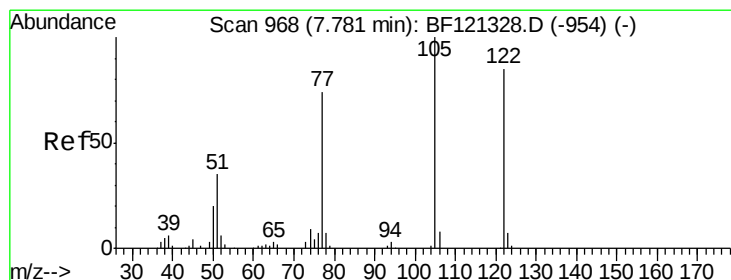
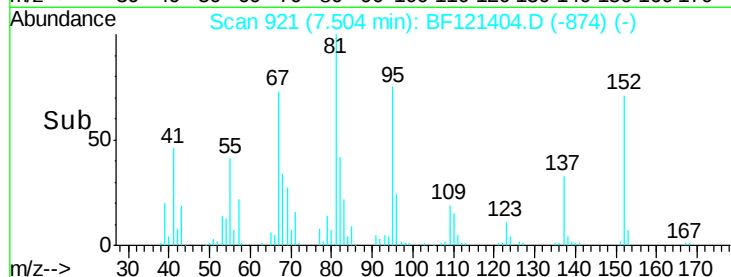
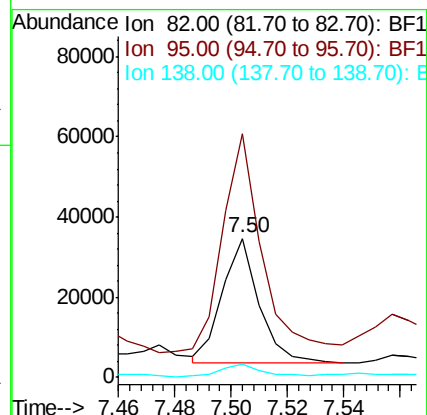
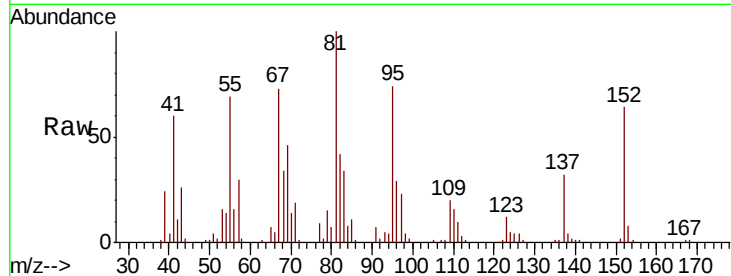
Tot Ion: 82 Resp: 28015

Ion Ratio Lower Upper

82 100

95 175.6 5.3 7.9#

138 9.3 15.0 22.6#



#32

Benzoic acid

Concen: 7.361 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.00 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

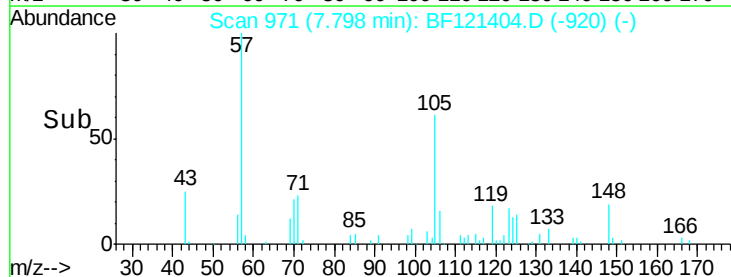
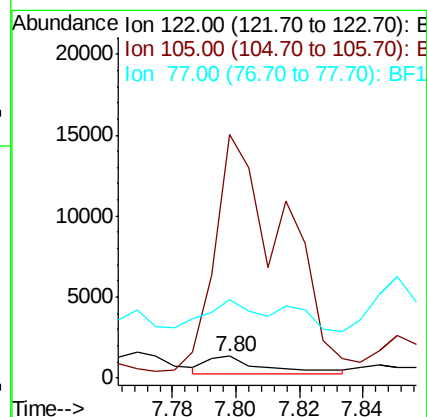
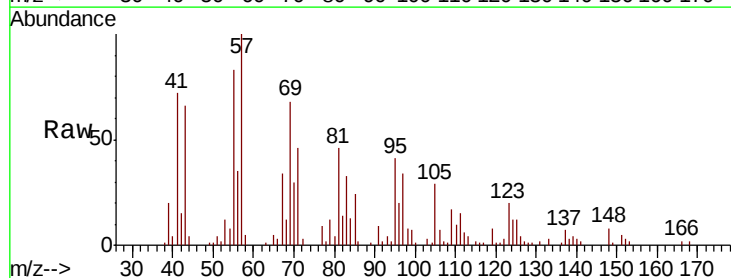
Tgt Ion:122 Resp: 1427

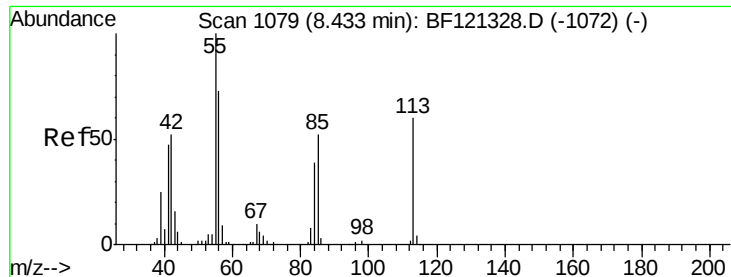
Ion Ratio Lower Upper

122 100

105 1100.5 98.8 138.8#

77 356.1 66.3 106.3#





#35

Caprolactam

Concen: 3.468 ng

RT: 8.45 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Instrument :

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ClientSampleId :

DRUM-COMP

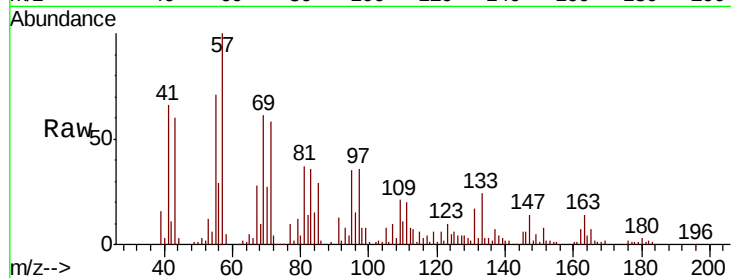
Tot Ion:113 Resp: 6535

Ion Ratio Lower Upper

113 100

55 1086.0 147.4 187.4#

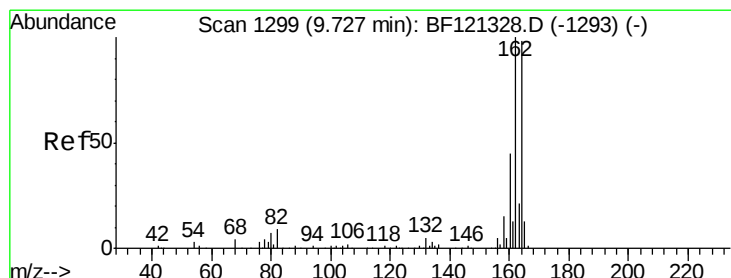
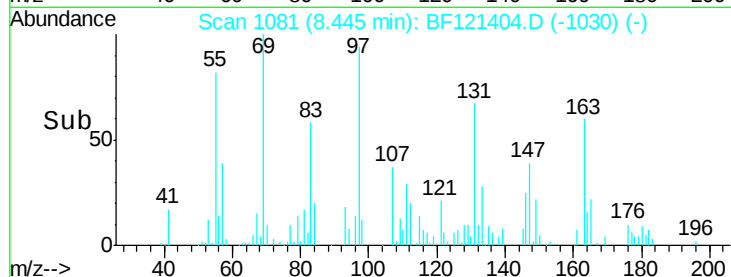
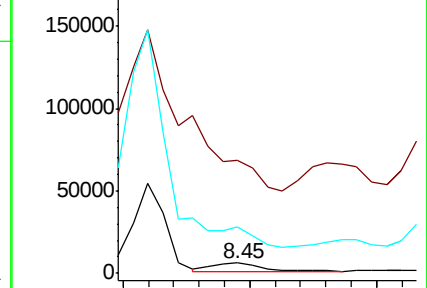
56 448.1 102.7 142.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

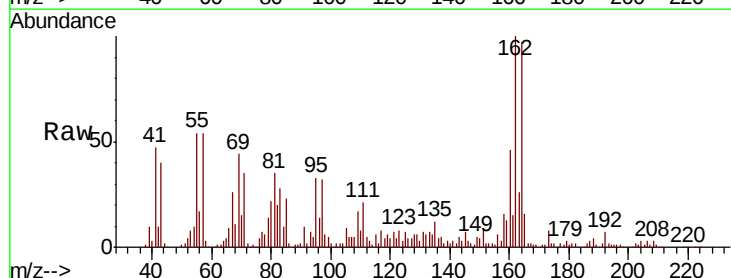
Tgt Ion:164 Resp: 210219

Ion Ratio Lower Upper

164 100

162 103.1 81.9 122.9

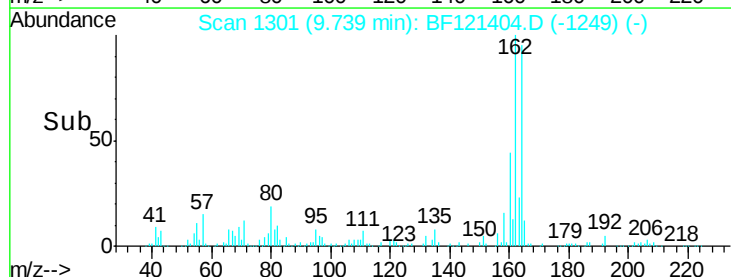
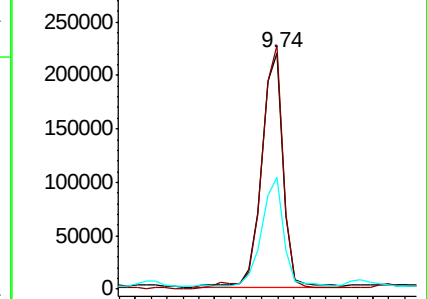
160 47.1 37.1 55.7

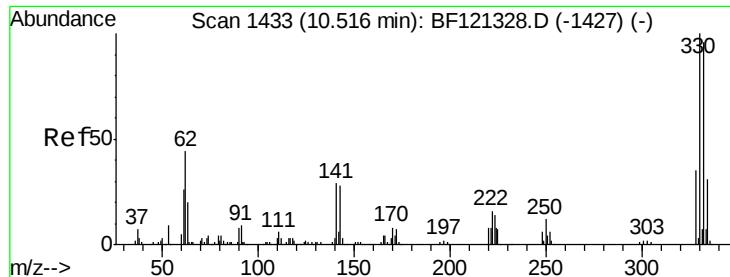


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 70.479 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

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DRUM-COMP

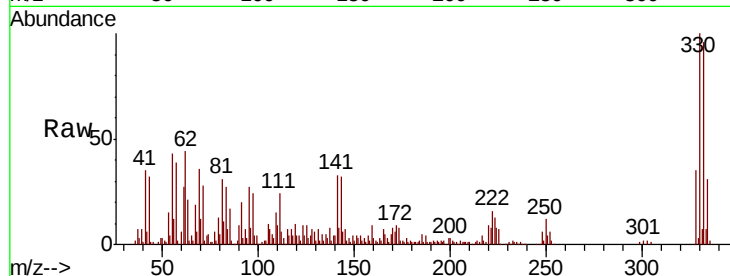
Tot Ion:330 Resp: 172653

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

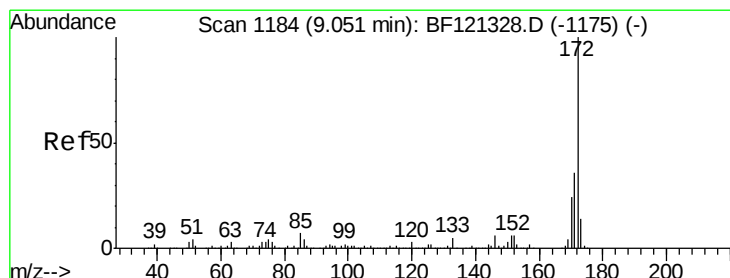
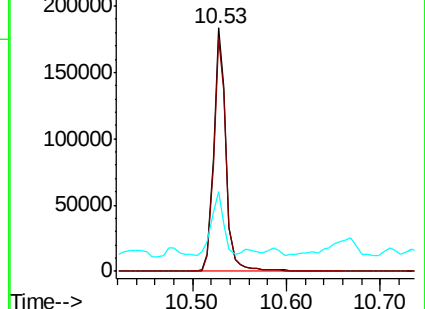
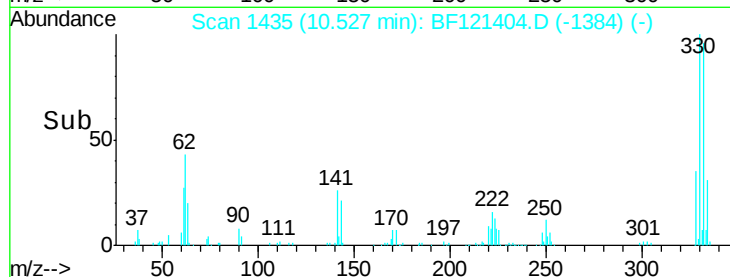
141 25.6 22.8 34.2



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



#45

2-Fluorobiphenyl

Concen: 83.350 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

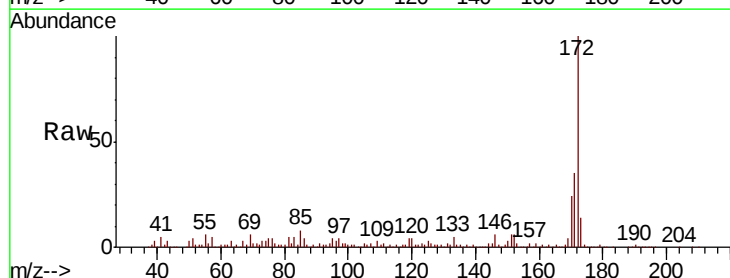
Tgt Ion:172 Resp: 915483

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

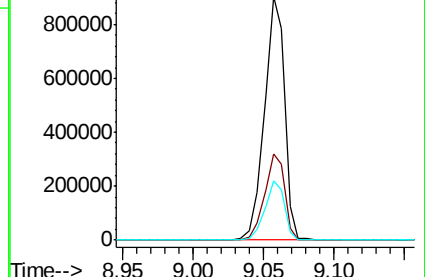
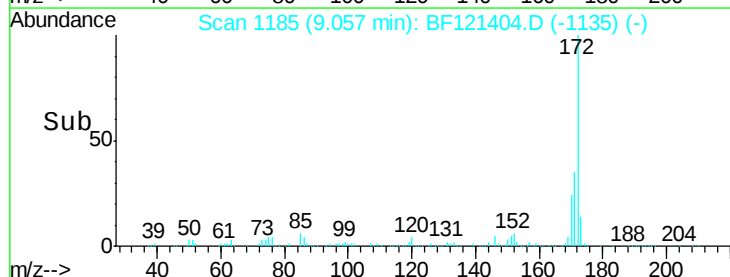
170 24.1 19.6 29.4

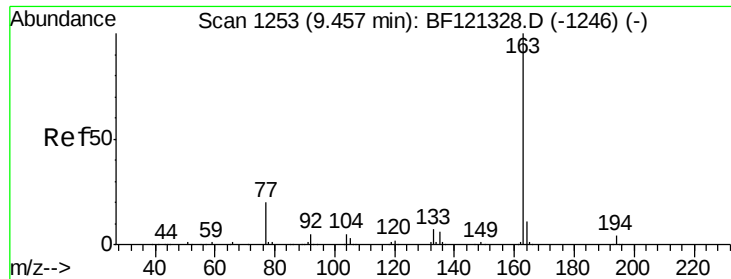


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

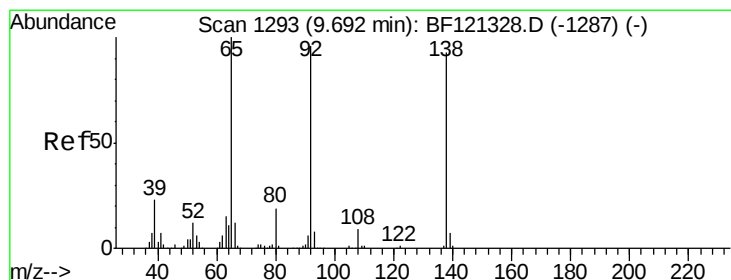
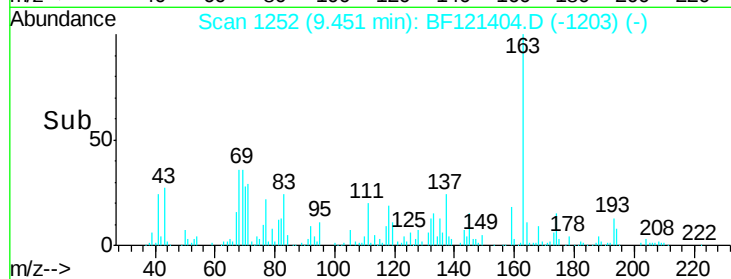
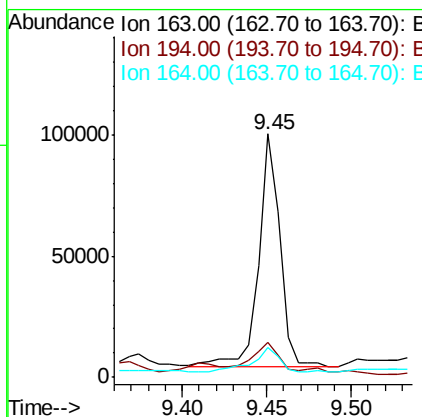
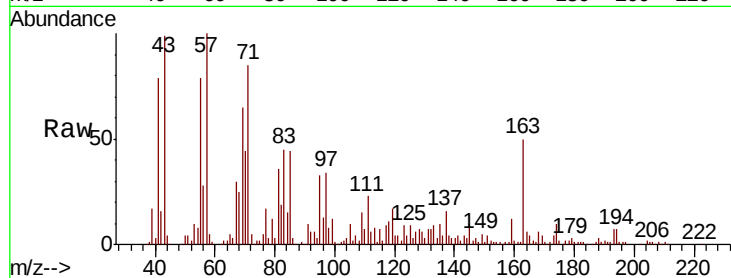




#50
 Dimethylphthalate
 Concen: 5.508 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF121404.D
 Acq: 24 Aug 2020 17:50

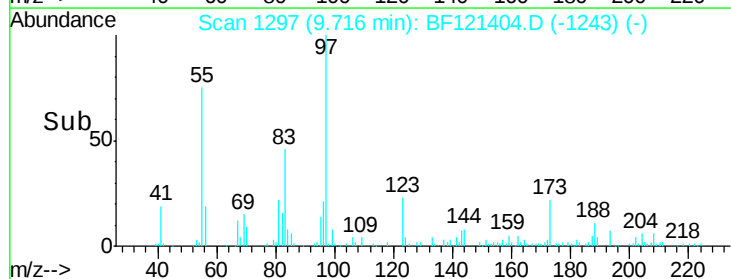
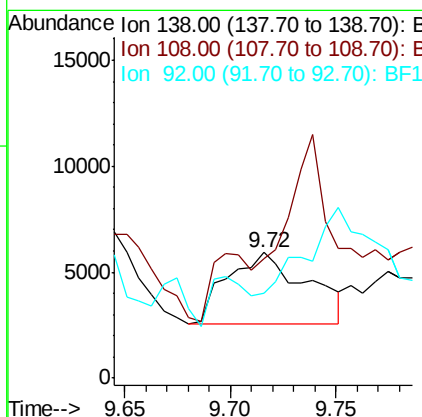
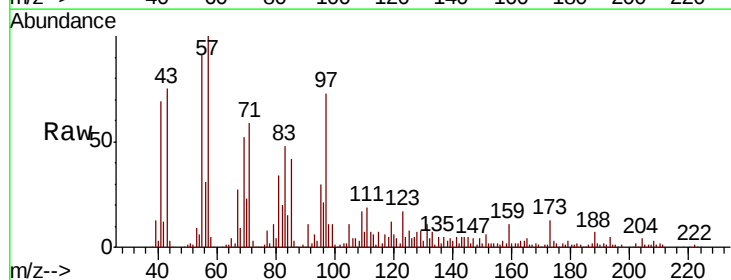
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-COMP

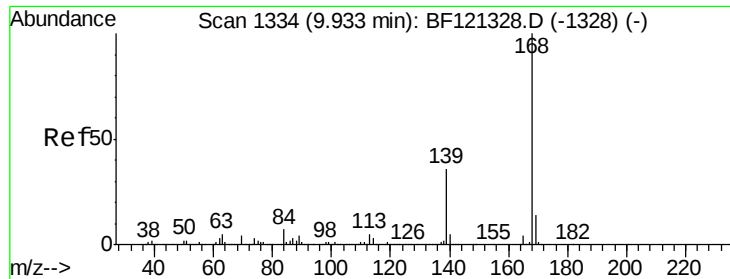
Tot Ion:163 Resp: 84234
 Ion Ratio Lower Upper
 163 100
 194 14.1 3.1 4.7#
 164 12.2 8.5 12.7



#53
 3-Nitroaniline
 Concen: 2.175 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: BF121404.D
 Acq: 24 Aug 2020 17:50

Tgt Ion:138 Resp: 8889
 Ion Ratio Lower Upper
 138 100
 108 94.7 7.9 11.9#
 92 67.6 87.2 130.8#





#55

Dibenzenofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Instrument :

BNA_F

ClientSampleId :

DRUM-COMP

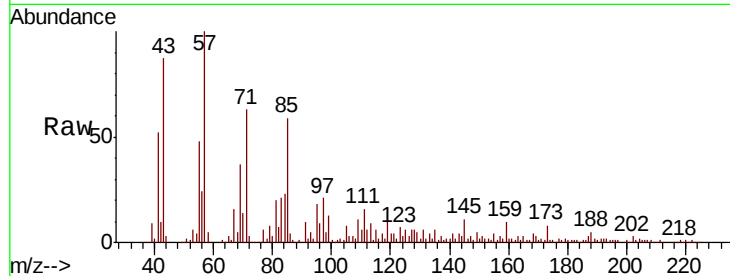
Tot Ion:168 Resp: 9211

Ion Ratio Lower Upper

168 100

139 58.6 28.2 42.4#

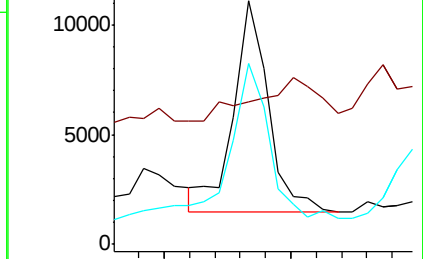
169 74.3 10.6 16.0#



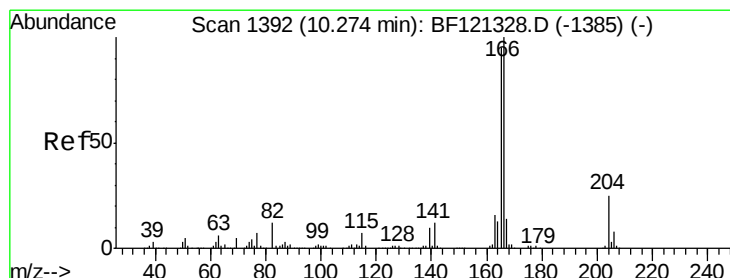
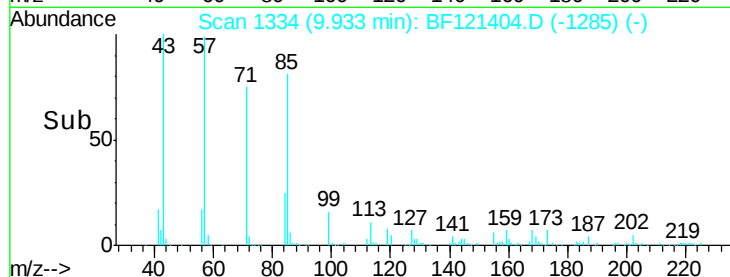
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



Time-->



#58

Fluorene

Concen: Below Cal

RT: 10.31 min Scan# 1398

Delta R.T. 0.02 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

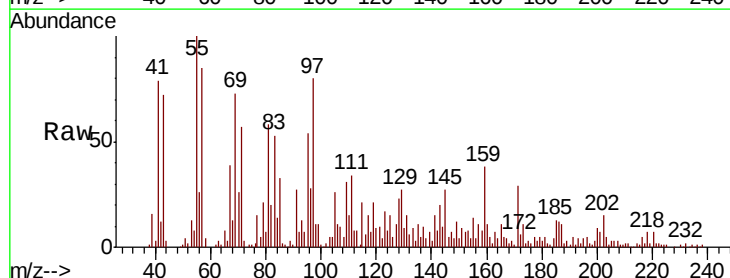
Tgt Ion:166 Resp: 4016

Ion Ratio Lower Upper

166 100

165 218.7 75.0 112.6#

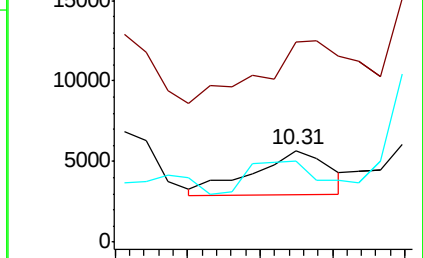
167 87.9 10.8 16.2#



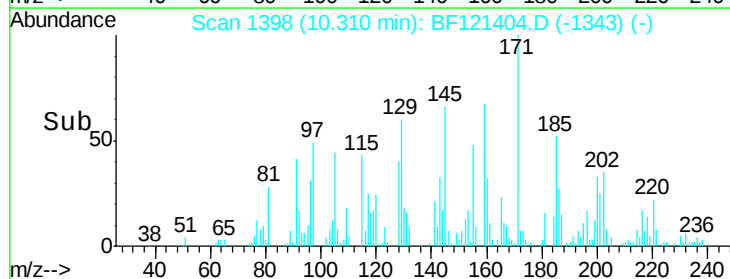
Abundance Ion 166.00 (165.70 to 166.70): E

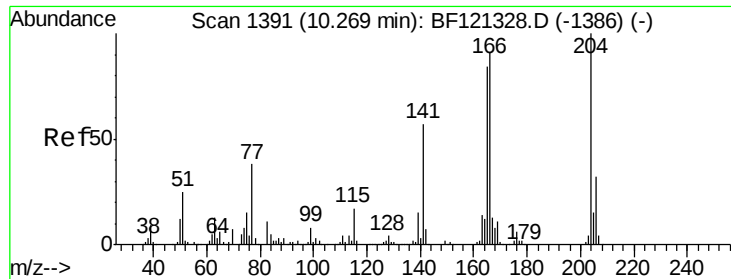
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

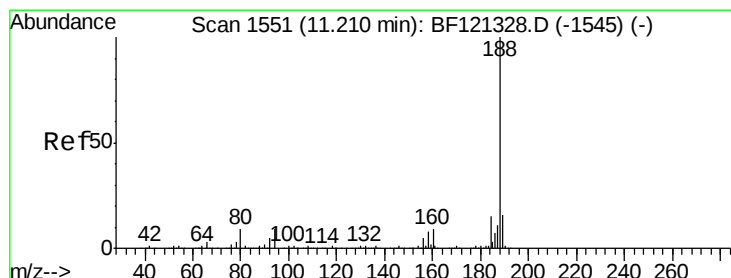
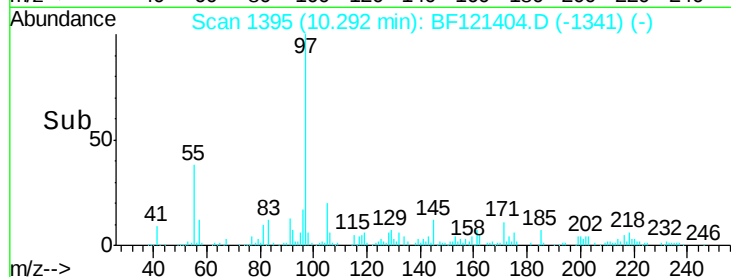
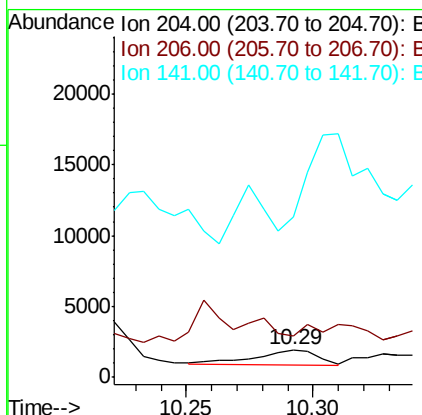
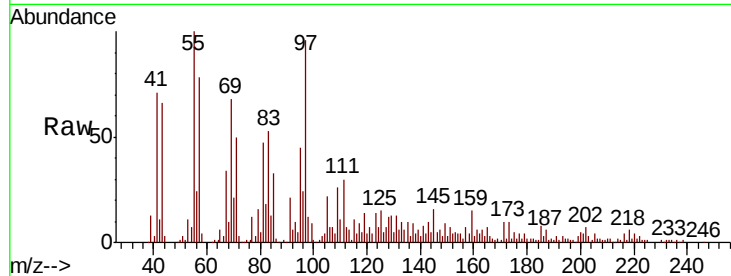




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.29 min Scan# 1395
Delta R.T. 0.02 min
Lab File: BF121404.D
Acq: 24 Aug 2020 17:50

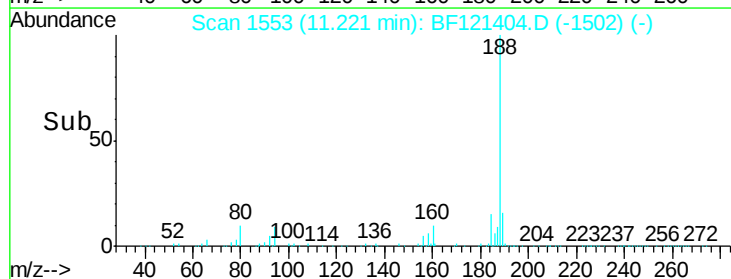
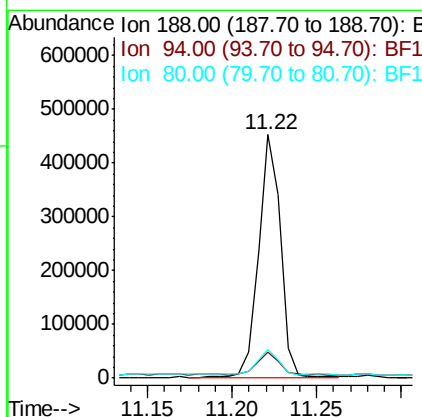
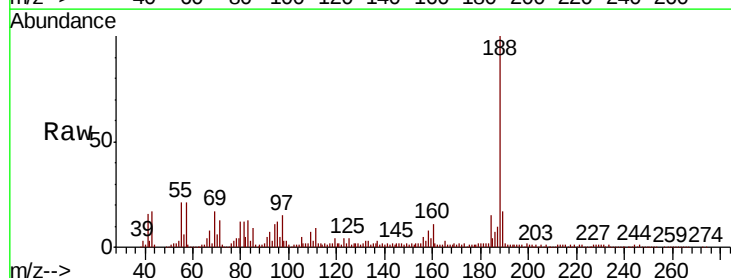
Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

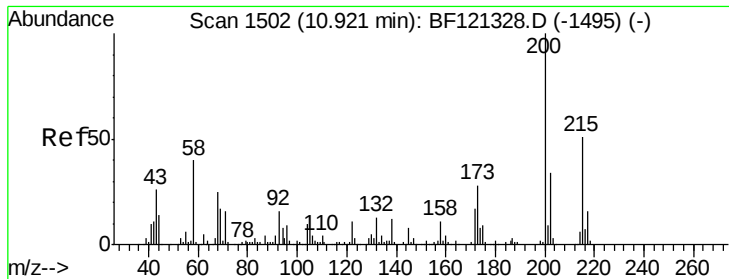
Tot Ion:204 Resp: 1845
Ion Ratio Lower Upper
204 100
206 151.8 26.2 39.4#
141 582.8 46.2 69.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.00 min
Lab File: BF121404.D
Acq: 24 Aug 2020 17:50

Tgt Ion:188 Resp: 402852
Ion Ratio Lower Upper
188 100
94 10.9 7.1 10.7#
80 11.6 7.1 10.7#

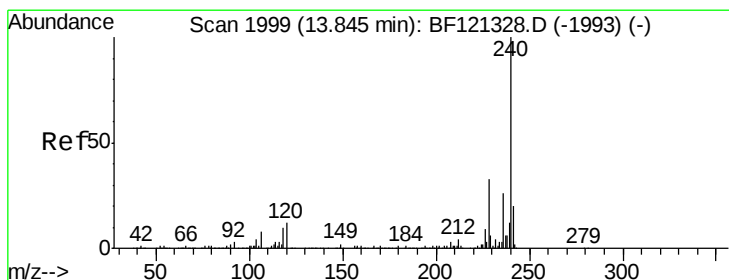
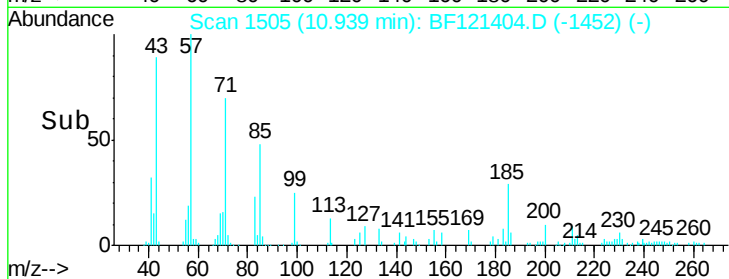
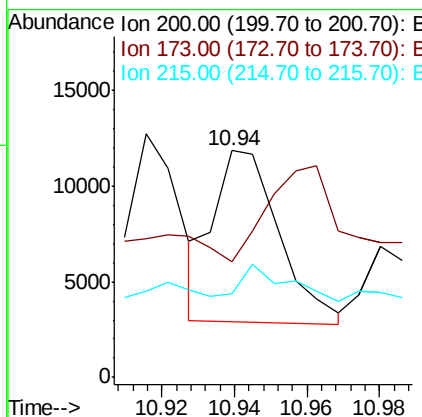
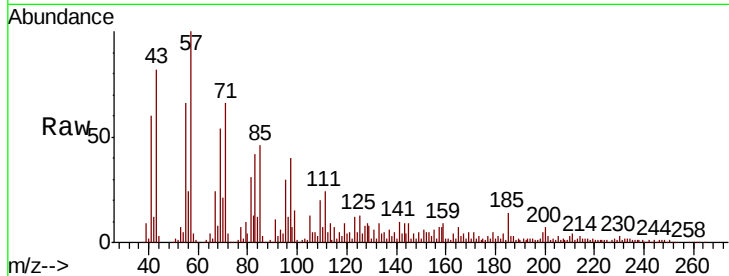




#69
Atrazine
Concen: 2.909 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BF121404.D
Acq: 24 Aug 2020 17:50

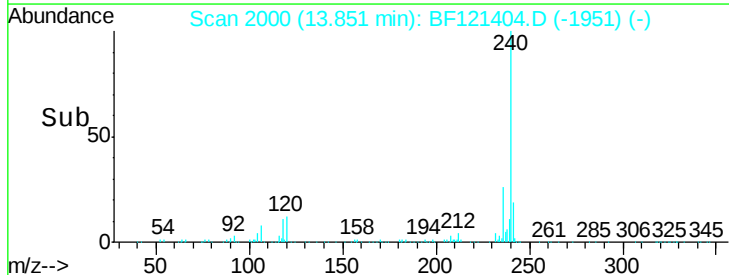
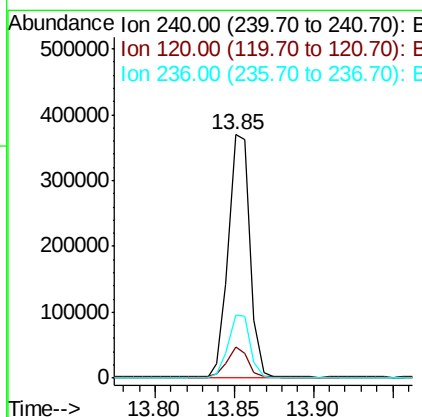
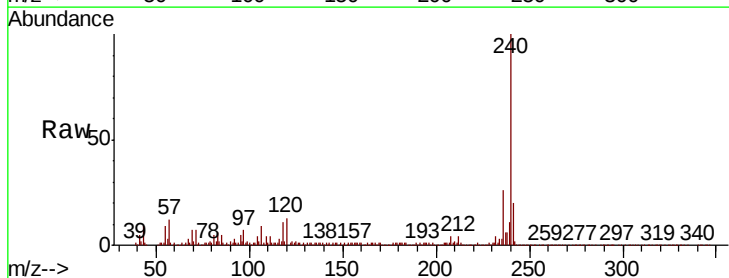
Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

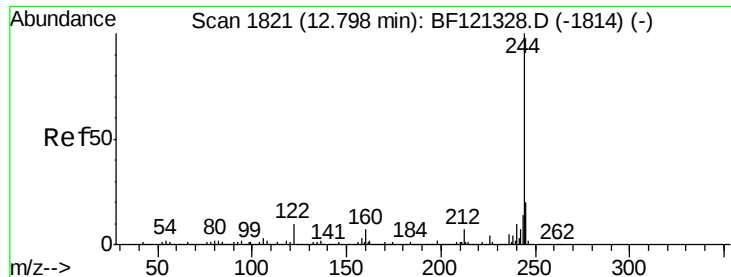
Tot Ion:200 Resp: 11198
Ion Ratio Lower Upper
200 100
173 51.2 8.5 48.5#
215 37.0 30.3 70.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF121404.D
Acq: 24 Aug 2020 17:50

Tgt Ion:240 Resp: 353742
Ion Ratio Lower Upper
240 100
120 13.0 8.7 13.1
236 26.2 21.0 31.4





#79

Terphenyl-d14

Concen: 50.136 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

Instrument :

BNA_F

ClientSampleId :

DRUM-COMP

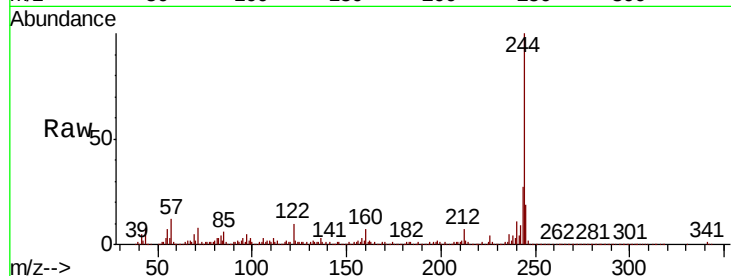
Tot Ion:244 Resp: 907560

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

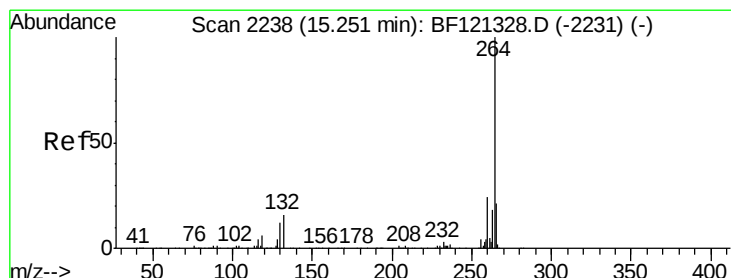
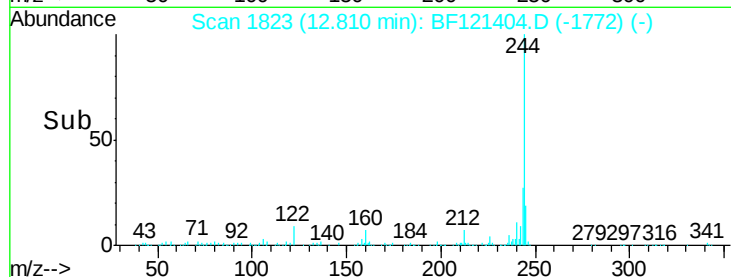
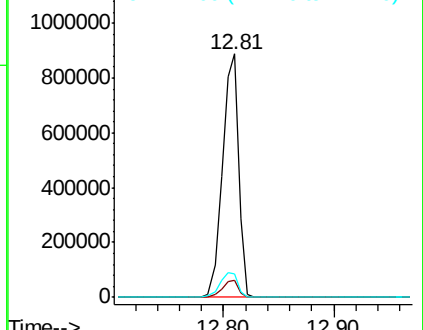
122 9.8 7.7 11.5



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: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF121404.D

Acq: 24 Aug 2020 17:50

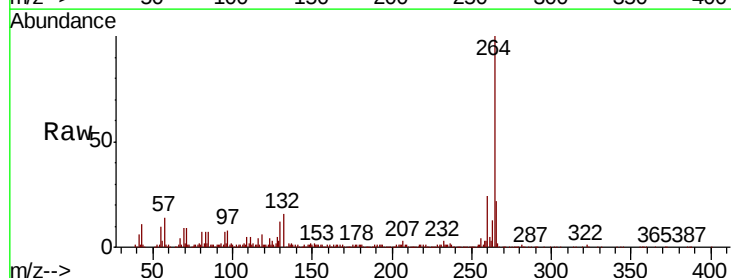
Tgt Ion:264 Resp: 332519

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 17.3 25.9



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

