

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046654.D
 Acq On : 17 Sep 2020 00:03
 Operator : CG/JU
 Sample : L4018-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-229

Quant Time: Sep 17 02:15:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 11:07:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68155	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	280913	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	193349	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	441351	20.00	ng	0.00
76) Chrysene-d12	21.54	240	464284	20.00	ng	0.00
86) Perylene-d12	24.64	264	448943	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	453047	117.74	ng	0.00
7) Phenol-d6	7.10	99	542994	99.54	ng	0.00
23) Nitrobenzene-d5	9.08	82	448434	91.24	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	285502	108.98	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1148957	90.71	ng	0.00
79) Terphenyl-d14	19.91	244	1746802	80.07	ng	0.00

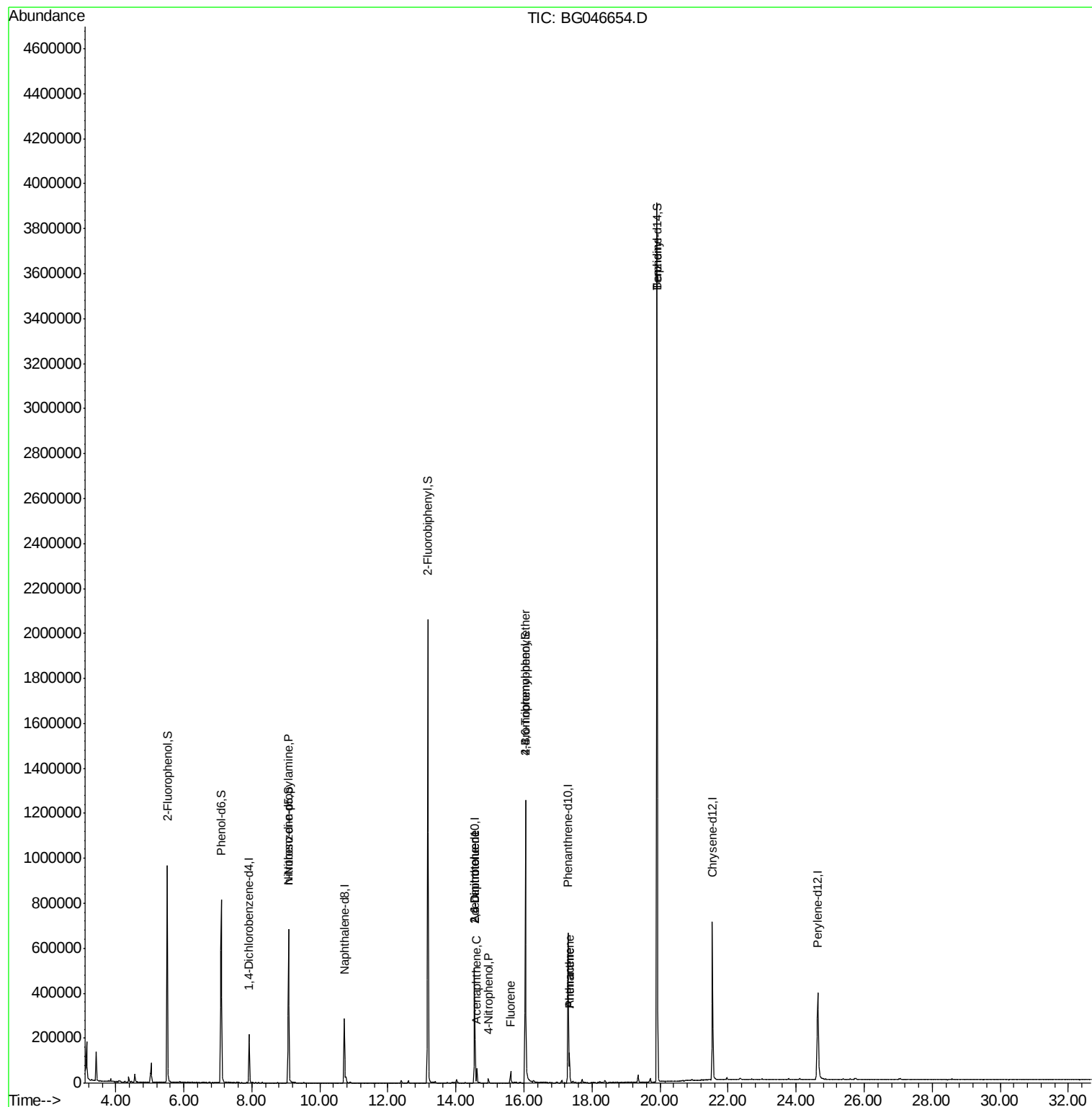
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.08	70	57203	17.531	ng	# 75
51) 2,6-Dinitrotoluene	14.55	165	25695	7.793	ng	# 34
52) Acenaphthene	14.61	154	25877	2.414	ng	# 95
56) 4-Nitrophenol	14.96	139	5928	2.255	ng	# 11
57) 2,4-Dinitrotoluene	14.55	165	25695	5.465	ng	# 32
58) Fluorene	15.61	166	30100	2.084	ng	# 97
67) 4-Bromophenyl-phenylether	16.04	248	21165	4.110	ng	# 1
71) Phenanthrene	17.34	178	91719	4.100	ng	# 96
72) Anthracene	17.34	178	91719	4.156	ng	# 96
77) Benzydine	19.91	184	26990	2.502	ng	# 93

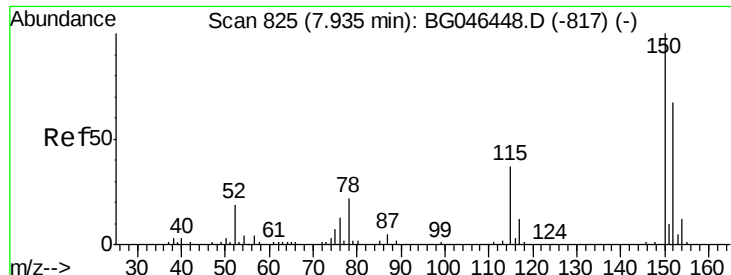
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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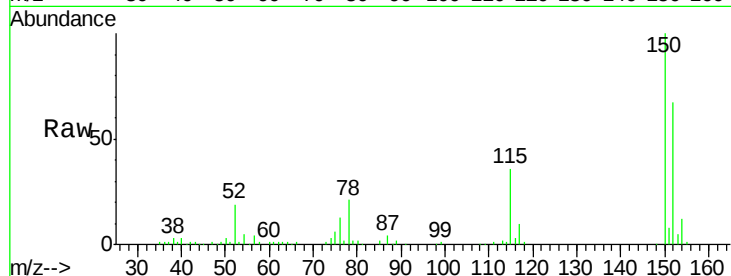




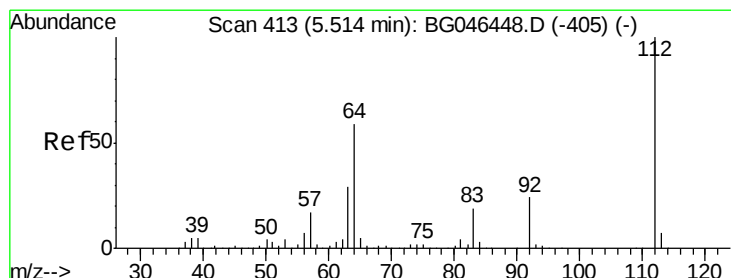
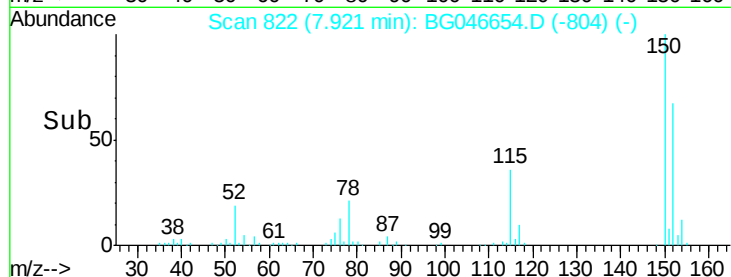
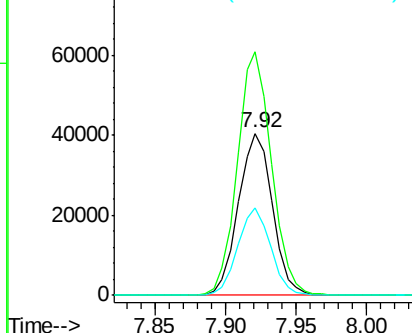
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BG046654.D
 Acq: 17 Sep 2020 00:03

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-229

Tot Ion:152 Resp: 68155
 Ion Ratio Lower Upper
 152 100
 150 150.1 125.0 187.6
 115 53.6 41.8 62.6

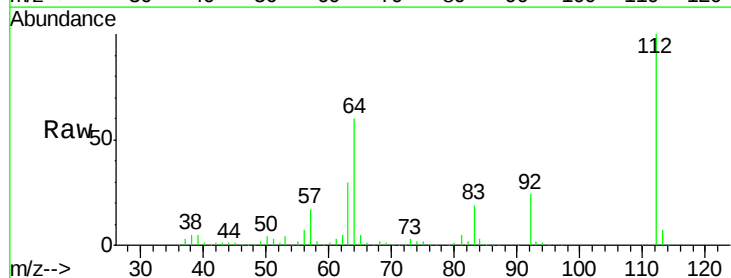


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

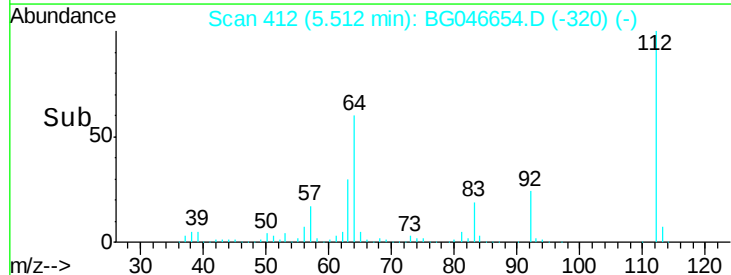
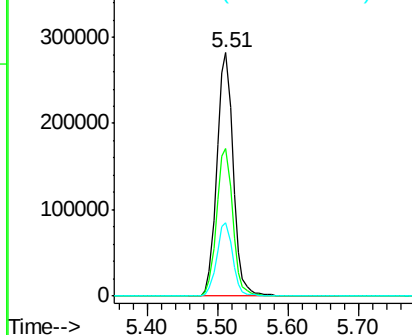


#5
 2-Fluorophenol
 Concen: 117.736 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046654.D
 Acq: 17 Sep 2020 00:03

Tgt Ion:112 Resp: 453047
 Ion Ratio Lower Upper
 112 100
 64 60.5 46.7 70.1
 63 30.1 22.8 34.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 99.542 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

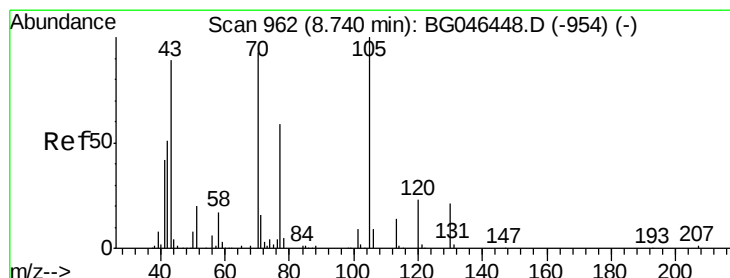
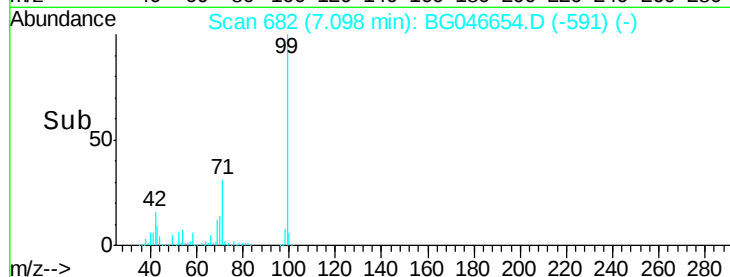
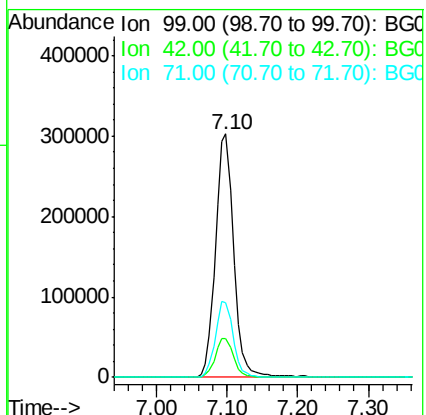
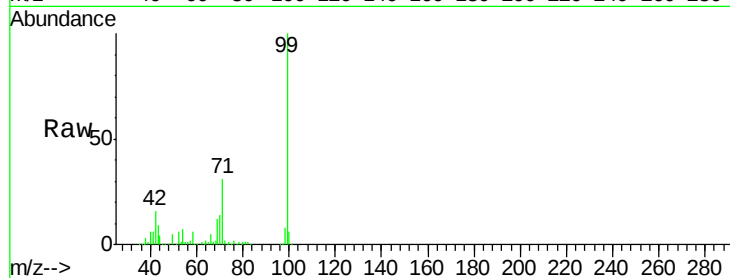
Tot Ion: 99 Resp: 542994

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

71 30.8 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.531 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Tgt Ion: 70 Resp: 57203

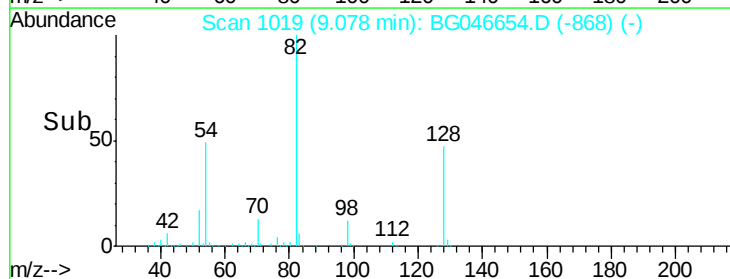
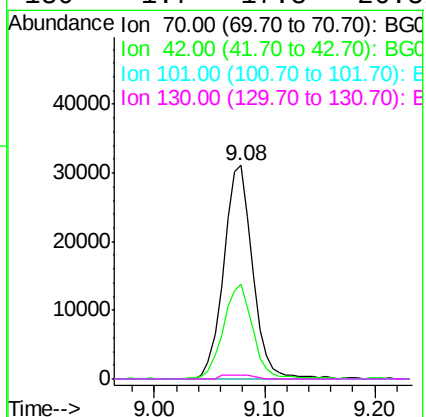
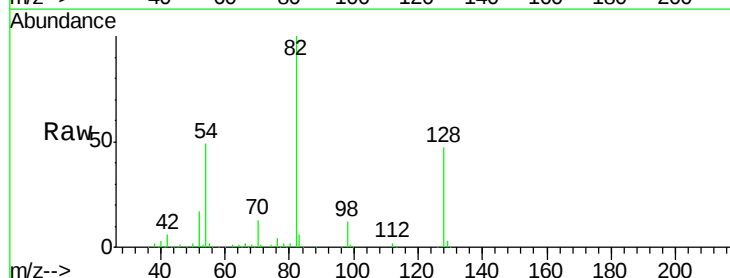
Ion Ratio Lower Upper

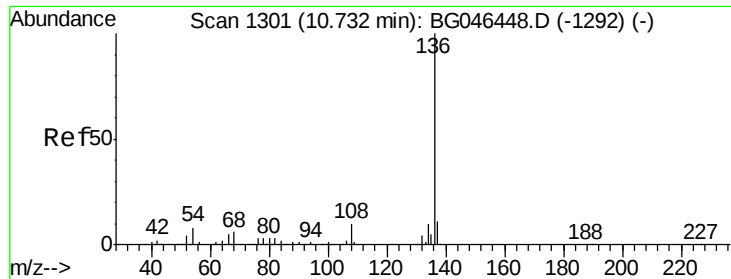
70 100

42 44.5 45.6 68.4#

101 0.0 8.4 12.6#

130 1.7 17.8 26.8#

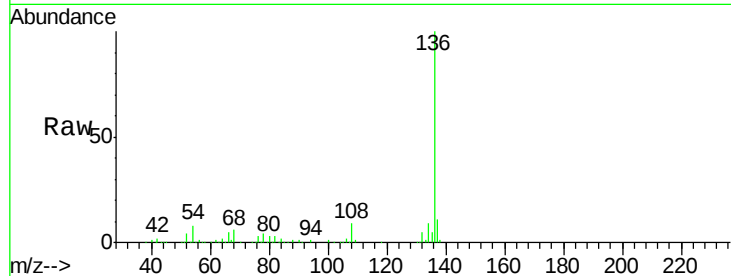




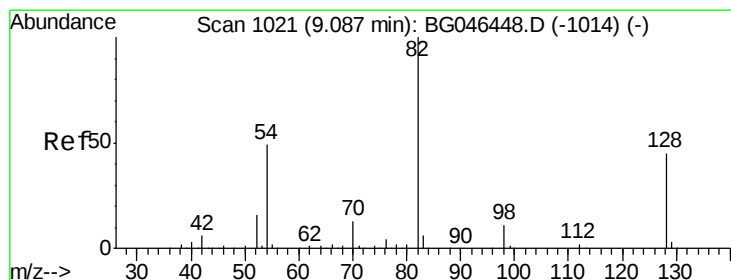
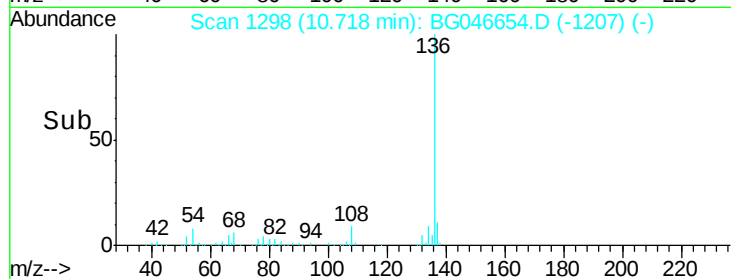
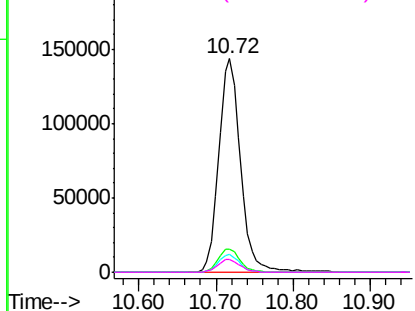
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Instrument :
BNA_G
ClientSampleId :
VNJ-229

Tot Ion:136	Resp:	280913
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.1 13.7
54	8.2	6.2 9.4
68	6.1	5.0 7.4

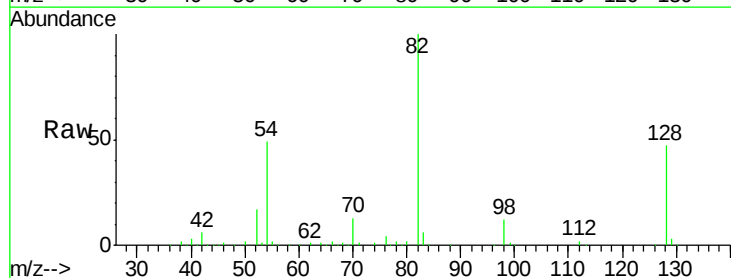


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

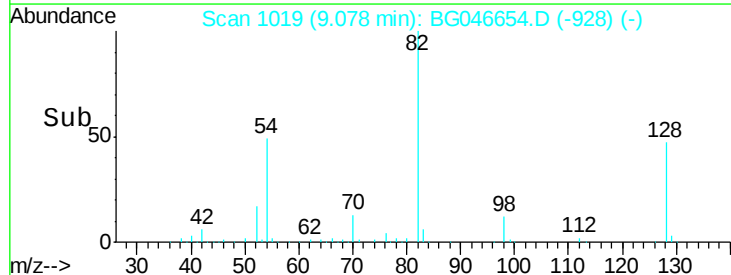
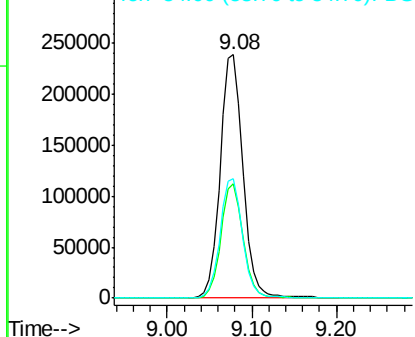


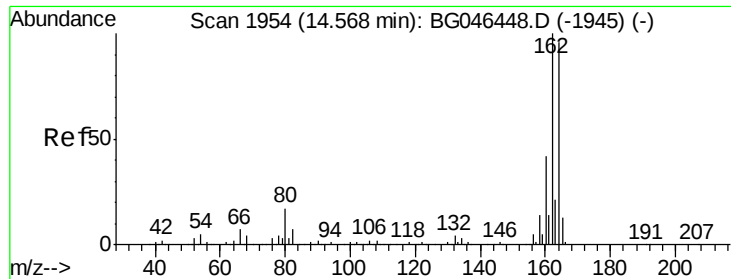
#23
Nitrobenzene-d5
Concen: 91.239 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion: 82	Resp:	448434
Ion	Ratio	Lower Upper
82	100	
128	46.9	37.0 55.6
54	49.1	39.0 58.4



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

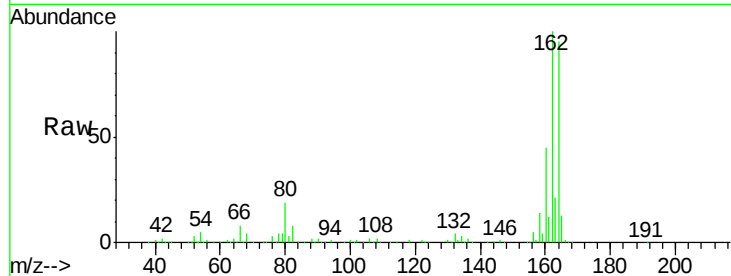
Tot Ion:164 Resp: 193349

Ion Ratio Lower Upper

164 100

162 105.6 82.3 123.5

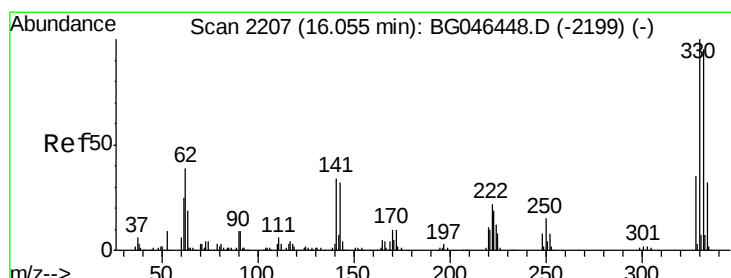
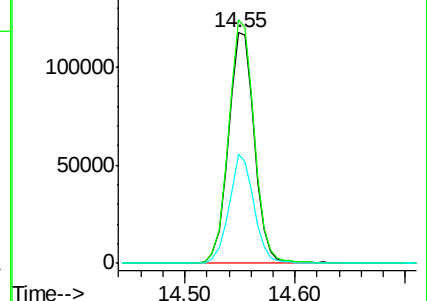
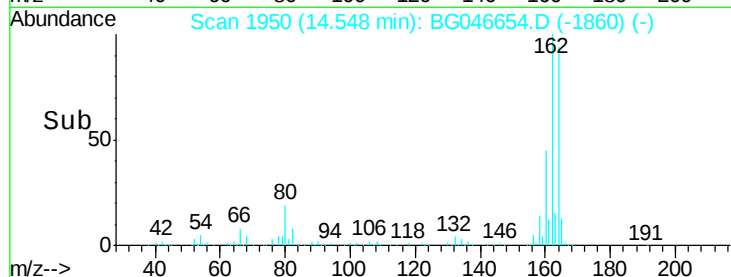
160 47.2 35.3 52.9



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: 108.981 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

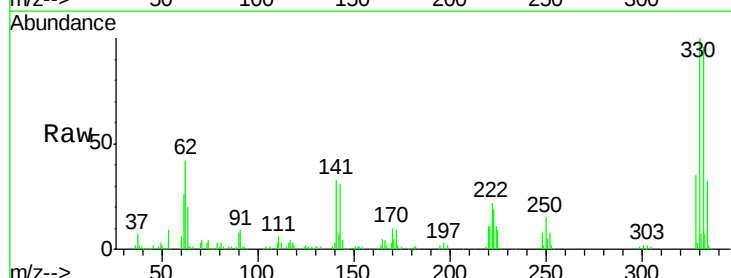
Tgt Ion:330 Resp: 285502

Ion Ratio Lower Upper

330 100

332 97.8 76.5 114.7

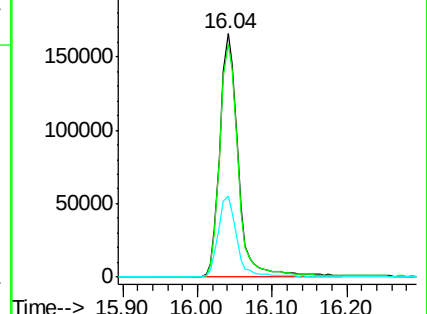
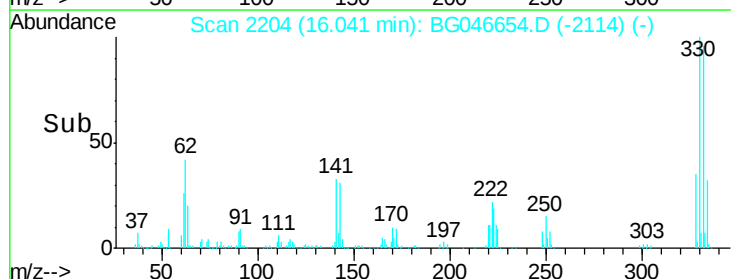
141 33.5 26.0 39.0

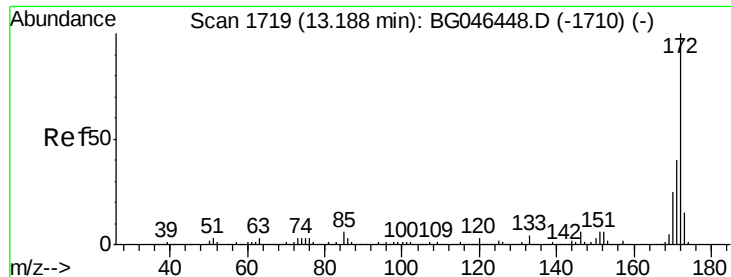


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



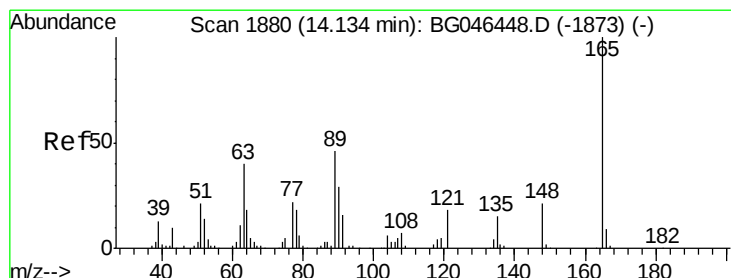
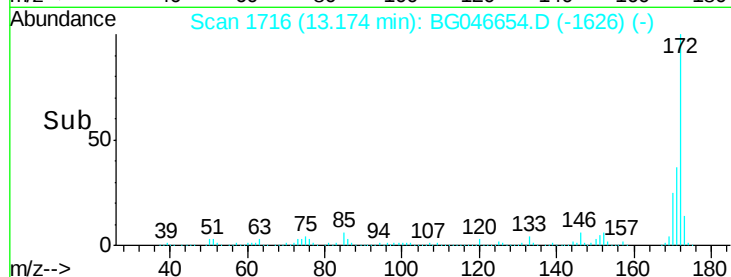
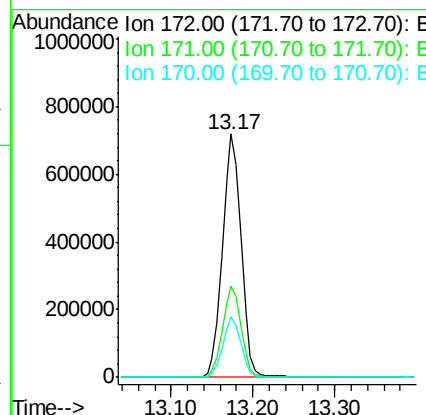
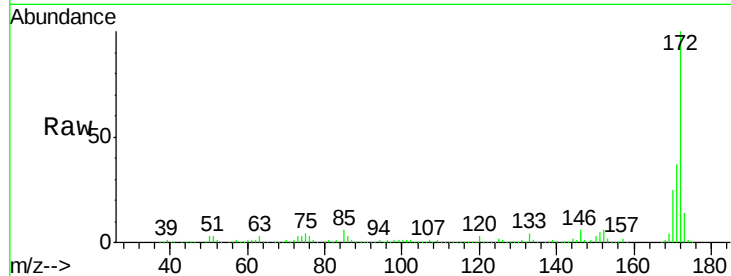


#45
 2-Fluorobiphenyl
 Concen: 90.714 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG046654.D
 Acq: 17 Sep 2020 00:03

Instrument :
 BNA_G
 ClientSampleID :
 VNJ-229

Tot Ion:172 Resp: 1148957

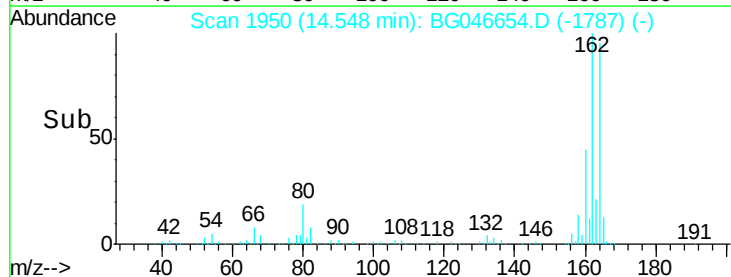
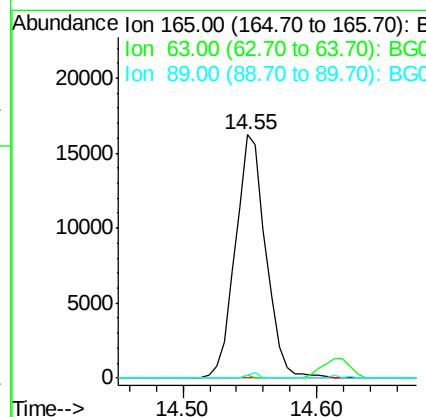
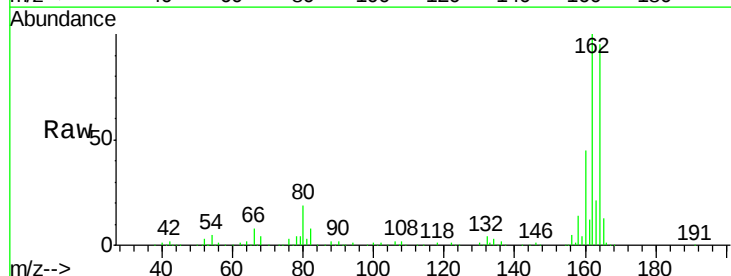
Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.3	46.9
170	25.0	20.8	31.2

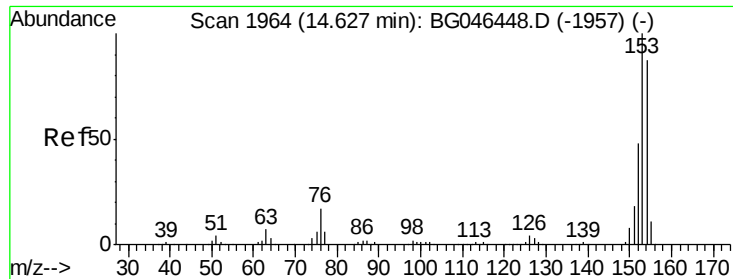


#51
 2,6-Dinitrotoluene
 Concen: 7.793 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. 0.43 min
 Lab File: BG046654.D
 Acq: 17 Sep 2020 00:03

Tgt Ion:165 Resp: 25695

Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.7	50.5#
89	1.2	36.6	54.8#





#52

Acenaphthene

Concen: 2.414 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

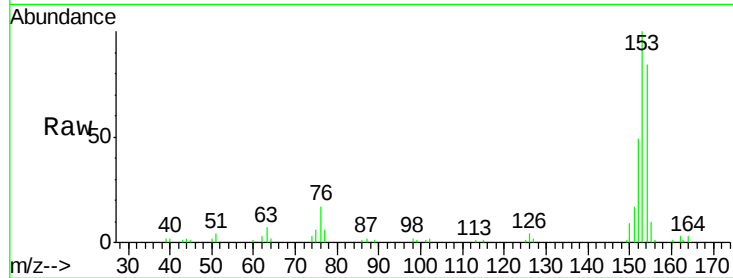
Tot Ion:154 Resp: 25877

Ion Ratio Lower Upper

154 100

153 119.2 90.3 135.5

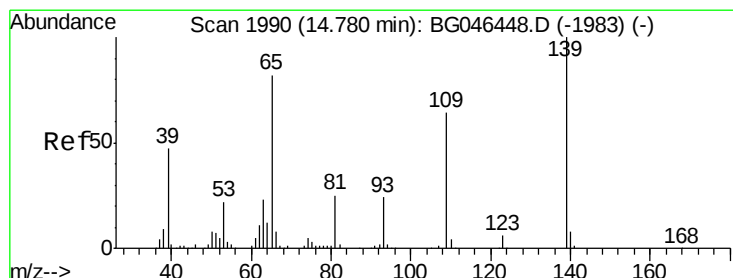
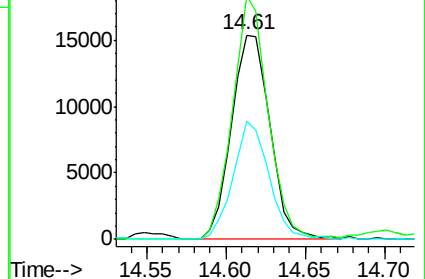
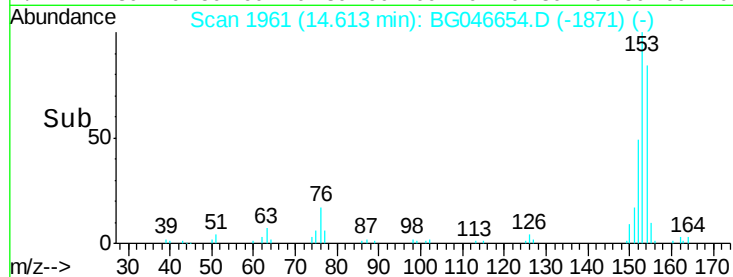
152 58.0 43.8 65.8



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



#56

4-Nitrophenol

Concen: 2.255 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.18 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

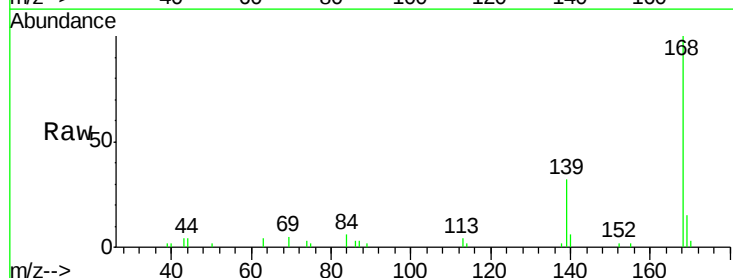
Tgt Ion:139 Resp: 5928

Ion Ratio Lower Upper

139 100

109 0.0 45.9 85.9#

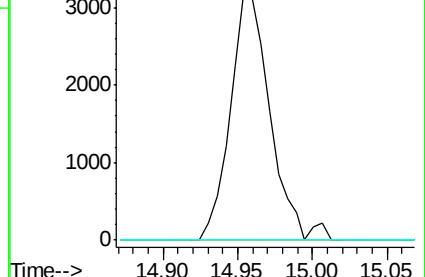
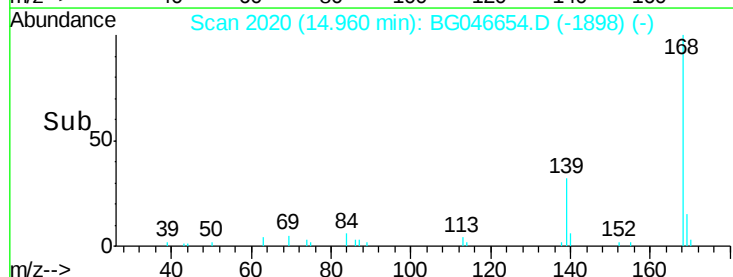
65 0.0 65.4 105.4#

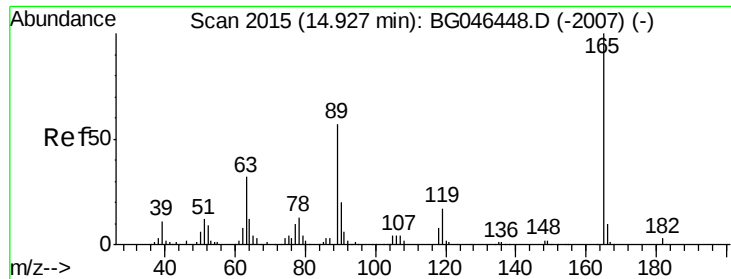


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

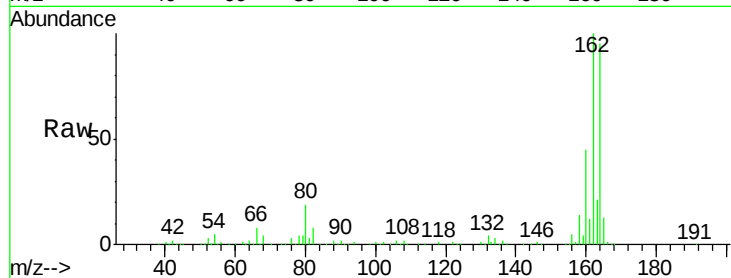




#57
2,4-Dinitrotoluene
Concen: 5.465 ng
RT: 14.55 min Scan# 1950
Delta R.T. -0.37 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Instrument :
BNA_G
ClientSampleId :
VNJ-229

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	26.4	39.6#
89	1.2	47.8	71.8#
182	0.0	2.6	4.0#

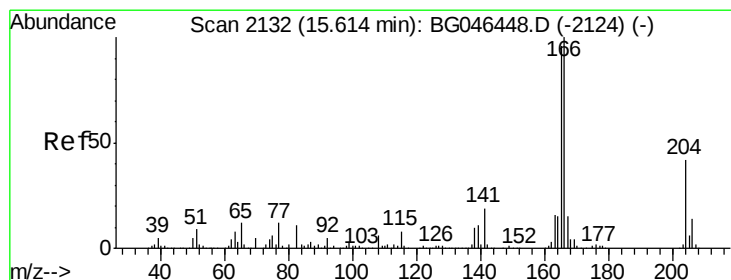
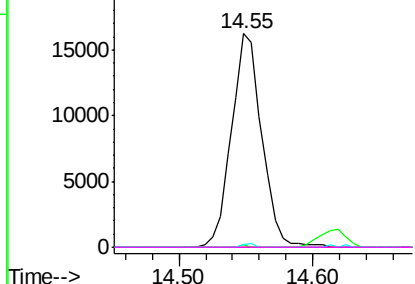
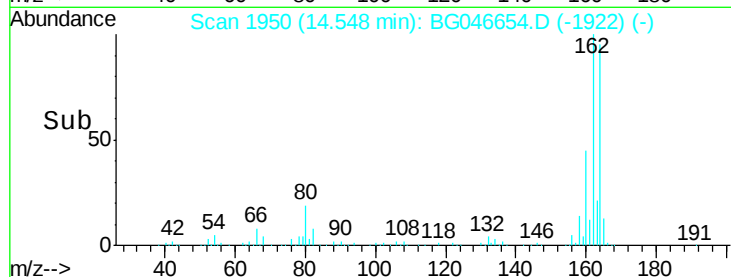


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

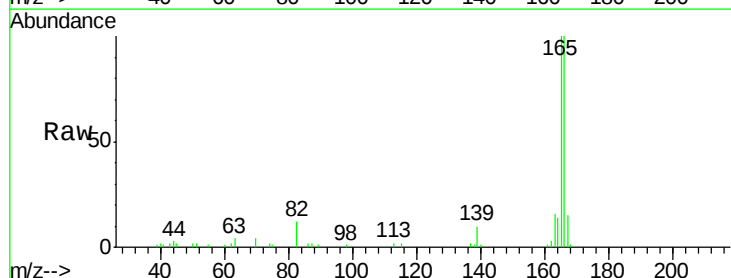
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 2.084 ng
RT: 15.61 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

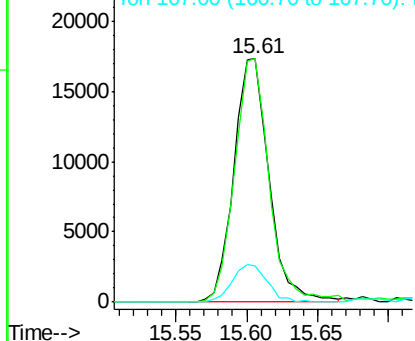
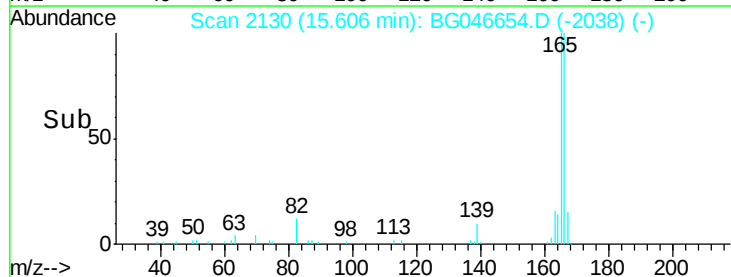
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.2	115.8
167	14.8	11.4	17.2

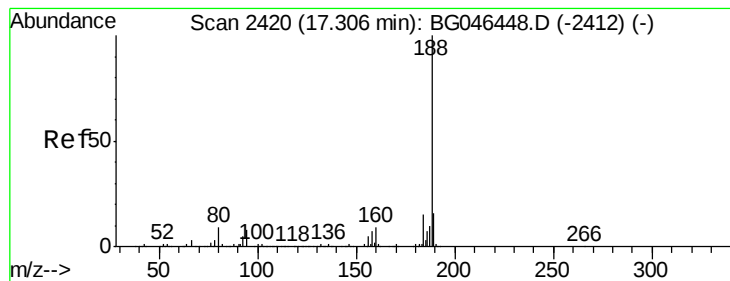


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

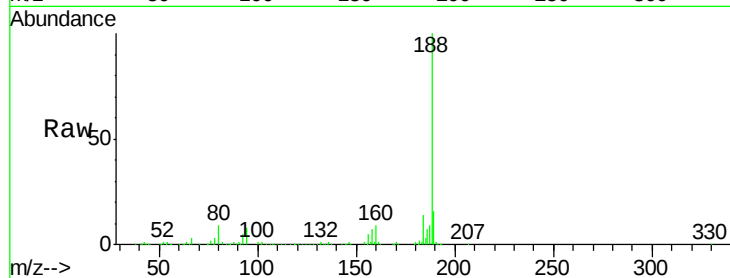
Tot Ion:188 Resp: 441351

Ion Ratio Lower Upper

188 100

94 8.0 6.3 9.5

80 8.9 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

300000

200000

100000

0

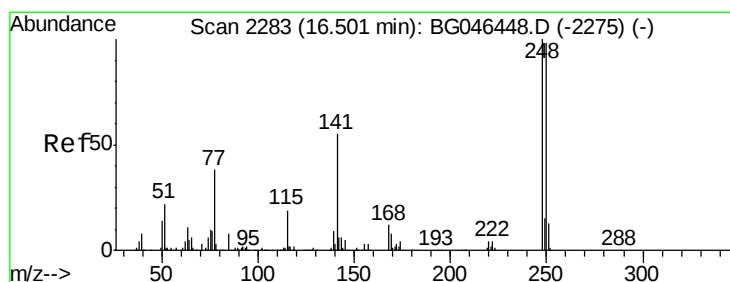
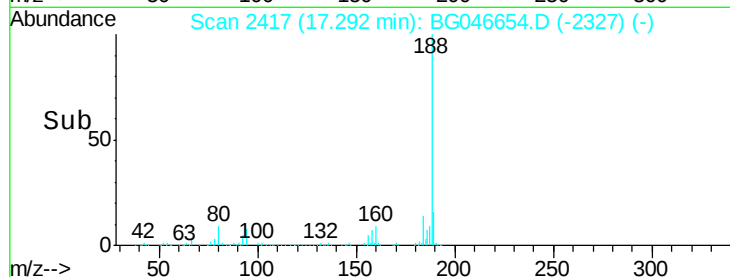
17.29

17.20

17.30

17.40

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.110 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.44 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

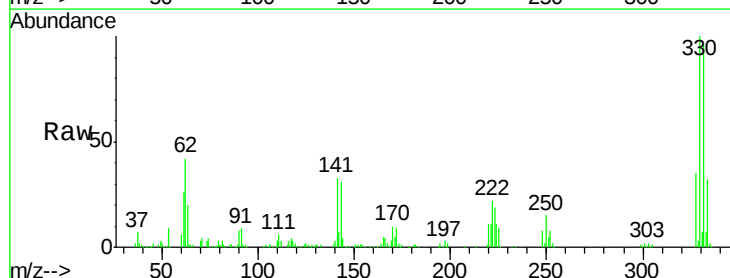
Tgt Ion:248 Resp: 21165

Ion Ratio Lower Upper

248 100

250 191.2 78.9 118.3#

141 430.1 46.2 69.4#



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

60000

40000

20000

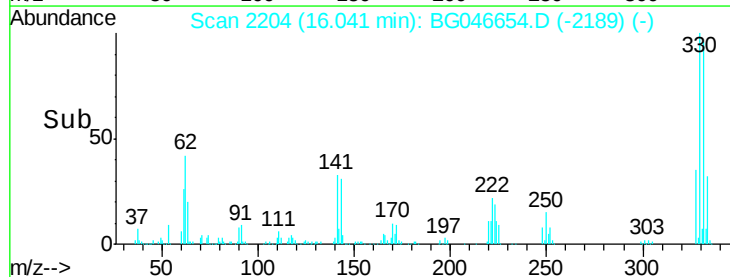
0

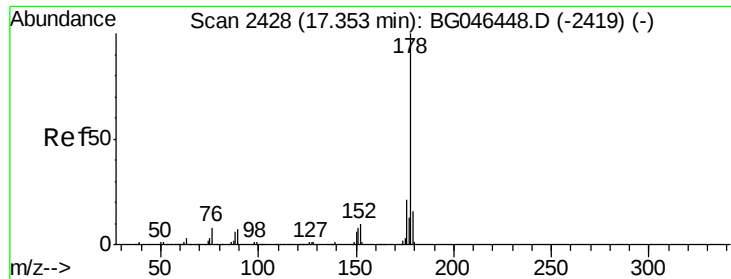
16.04

16.00

16.10

Time-->

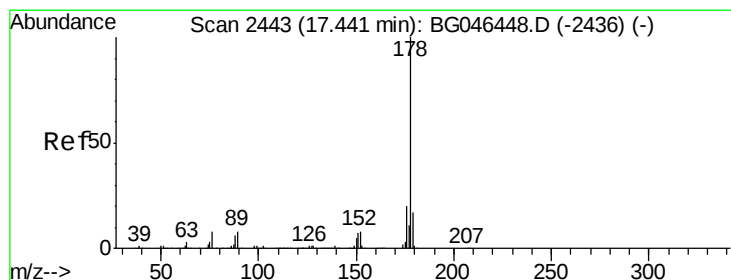
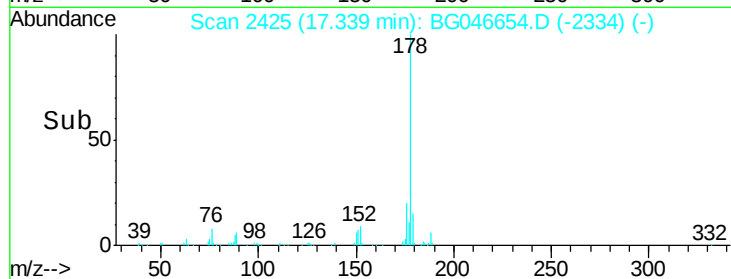
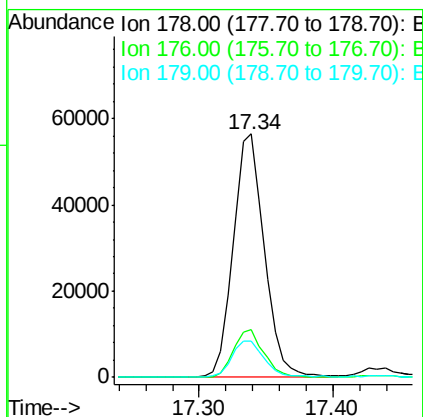
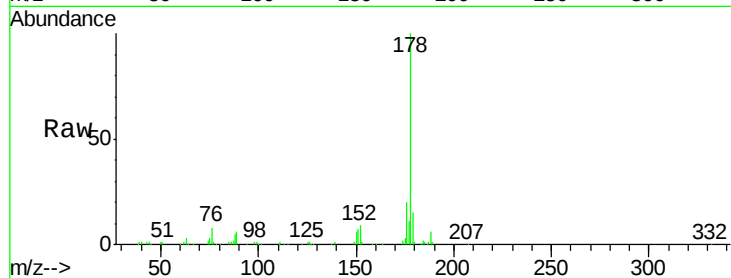




#71
Phenanthrene
Concen: 4.100 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

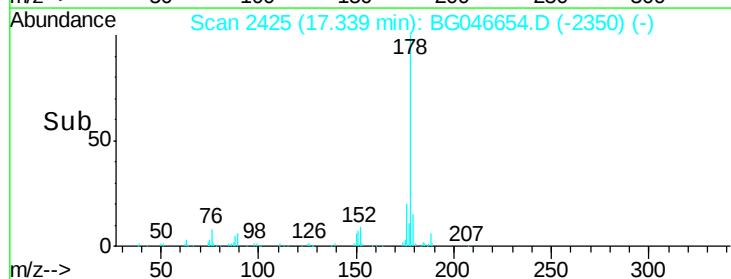
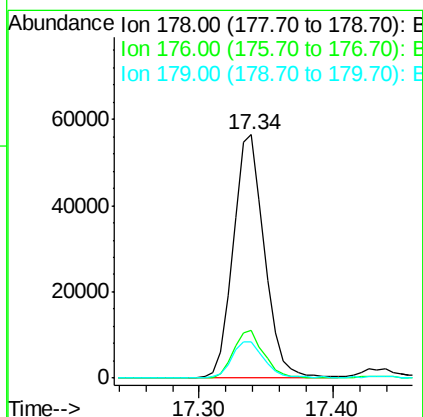
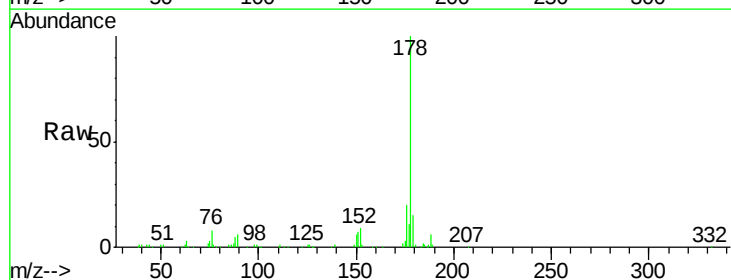
Instrument :
BNA_G
ClientSampleId :
VNJ-229

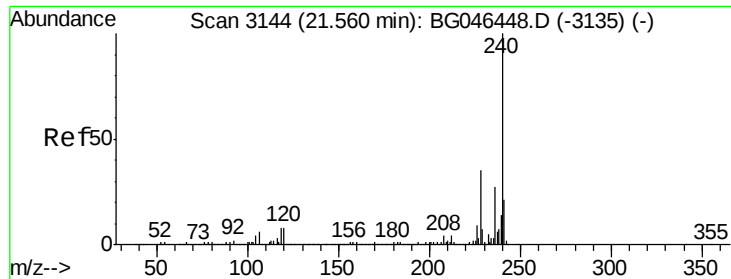
Tot Ion:178 Resp: 91719
Ion Ratio Lower Upper
178 100
176 19.7 16.7 25.1
179 14.8 14.0 21.0



#72
Anthracene
Concen: 4.156 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.09 min
Lab File: BG046654.D
Acq: 17 Sep 2020 00:03

Tgt Ion:178 Resp: 91719
Ion Ratio Lower Upper
178 100
176 19.7 16.4 24.6
179 14.8 13.8 20.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

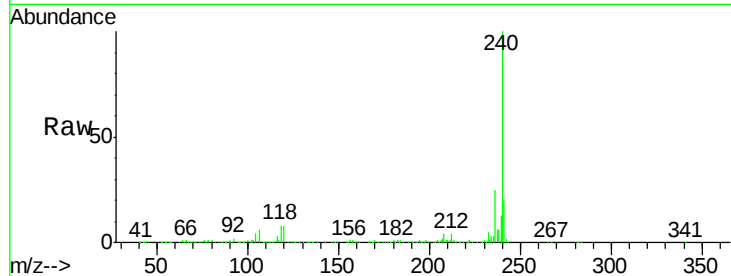
Tot Ion:240 Resp: 464284

Ion Ratio Lower Upper

240 100

120 8.2 6.2 9.4

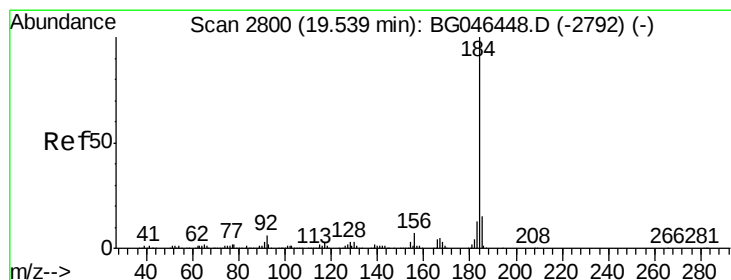
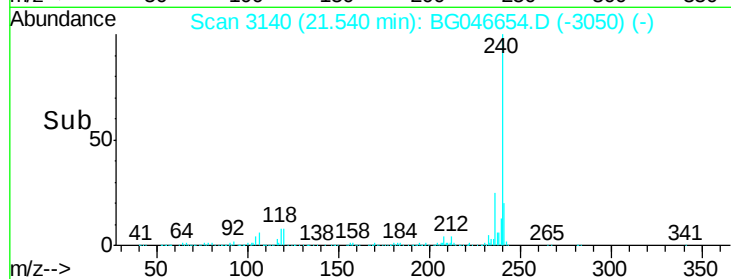
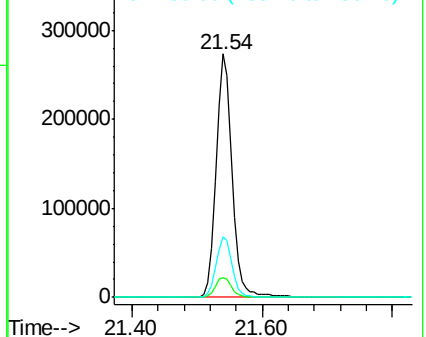
236 25.0 20.5 30.7



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

Benzidine

Concen: 2.502 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.39 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

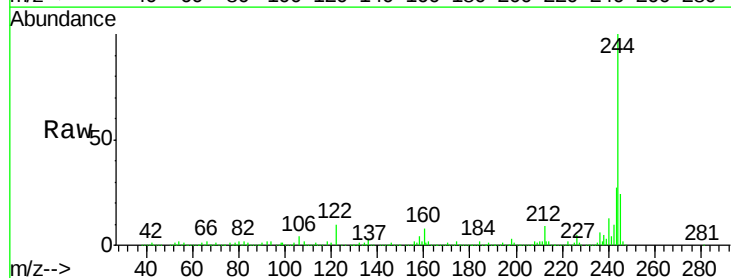
Tgt Ion:184 Resp: 26990

Ion Ratio Lower Upper

184 100

185 18.3 12.4 18.6

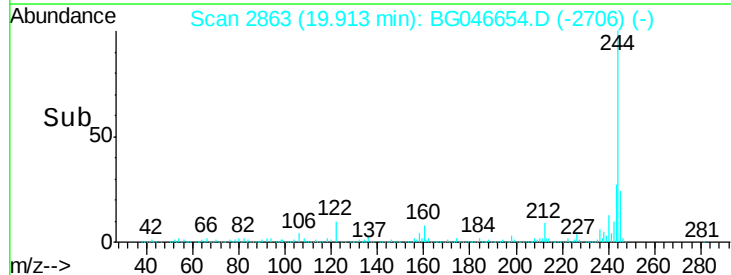
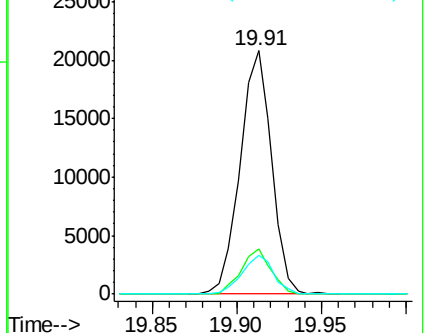
183 15.9 10.6 15.8#

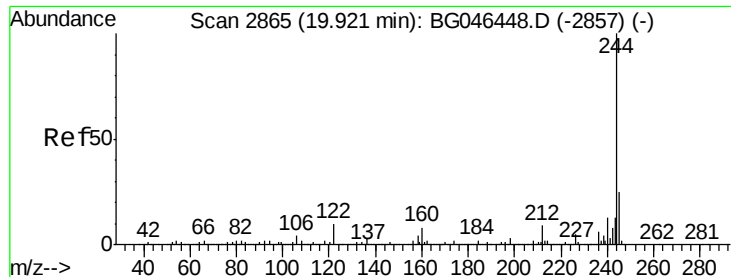


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 80.070 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

Instrument :

BNA_G

ClientSampleId :

VNJ-229

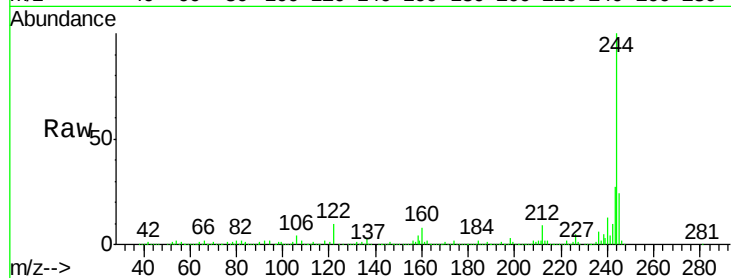
Tot Ion:244 Resp: 1746802

Ion Ratio Lower Upper

244 100

212 8.8 6.7 10.1

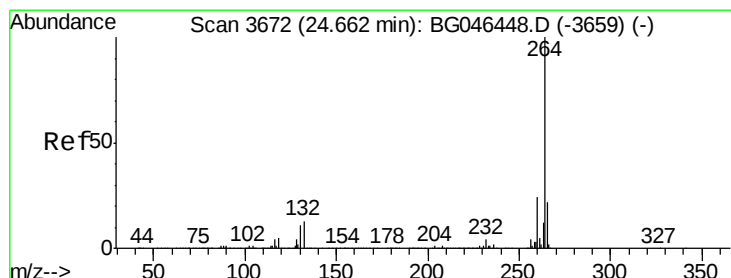
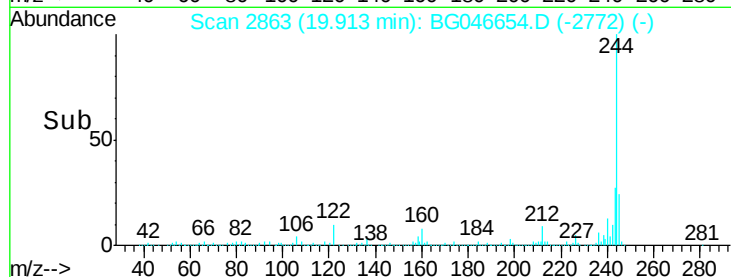
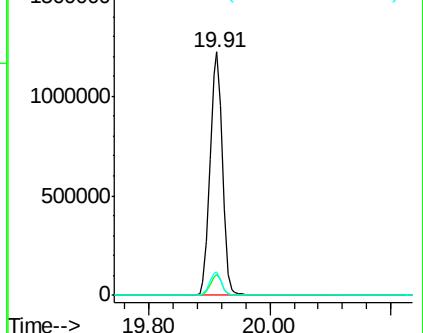
122 9.7 7.8 11.6



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: 24.64 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BG046654.D

Acq: 17 Sep 2020 00:03

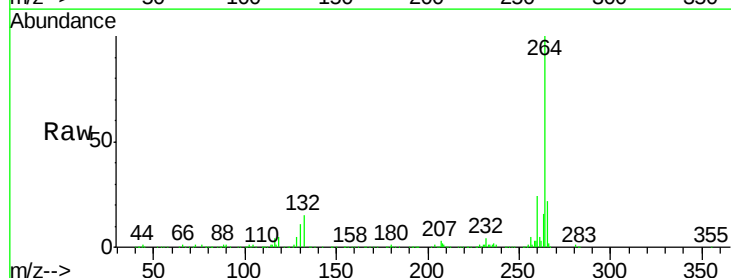
Tgt Ion:264 Resp: 448943

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 21.8 17.8 26.8



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

