

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041032.D
 Acq On : 3 Jun 2019 13:43
 Operator : HP/JU
 Sample : K3036-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FEQC-DUP-052319

Quant Time: Jun 03 15:27:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	54729	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	215543	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	154362	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	389282	20.00	ng	0.00
76) Chrysene-d12	21.77	240	407936	20.00	ng	-0.01
87) Perylene-d12	25.11	264	425333	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	456995	150.57	ng	0.00
7) Phenol-d6	7.27	99	672887	143.55	ng	0.00
23) Nitrobenzene-d5	9.30	82	459561	94.65	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	328099	143.17	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	944809	88.15	ng	-0.01
79) Terphenyl-d14	20.09	244	1666109	86.68	ng	0.00

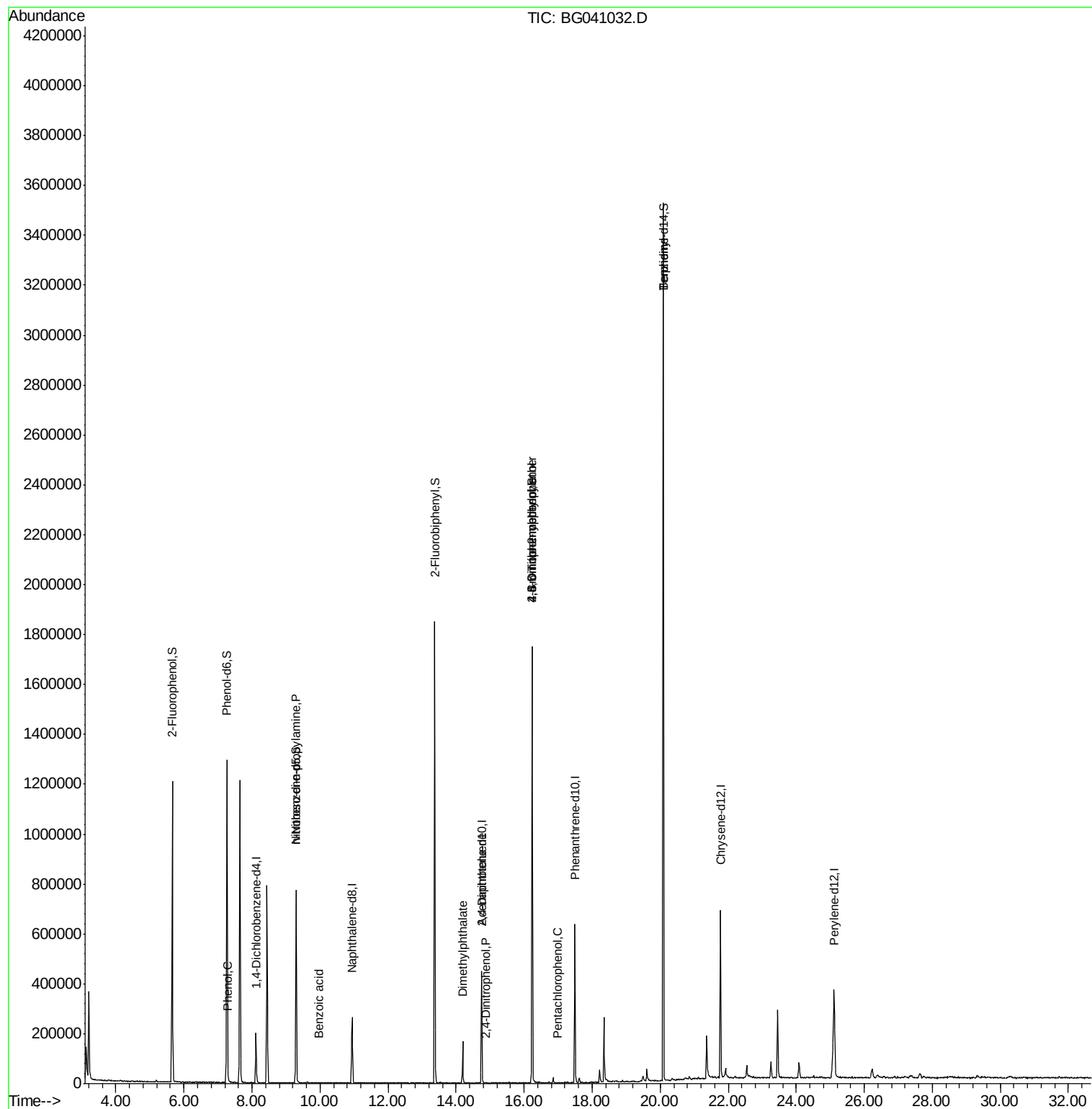
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	10481	2.085	ng	83
19) n-Nitroso-di-n-propylamine	9.30	70	66034	18.306	ng	# 78
32) Benzoic acid	9.96	122	60	8.149	ng	# 1
50) Dimethylphthalate	14.19	163	105344	8.062	ng	99
54) 2,4-Dinitrophenol	14.87	184	82	8.321	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	19289	4.847	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.24	198	1333	9.114	ng	# 71
67) 4-Bromophenyl-phenylether	16.24	248	24910	4.742	ng	# 1
70) Pentachlorophenol	16.98	266	63	4.276	ng	# 18
77) Benzidine	20.09	184	27888	2.866	ng	# 97

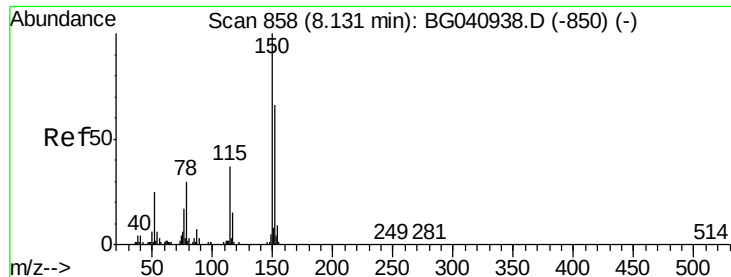
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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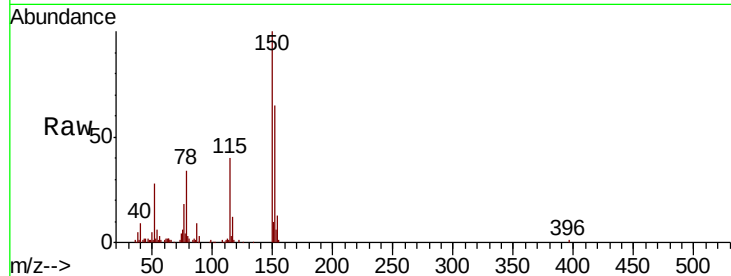


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Instrument :
BNA_G
ClientSampleId :
FEQC-DUP-052319

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	120.6	180.8
115	62.0	45.1	67.7

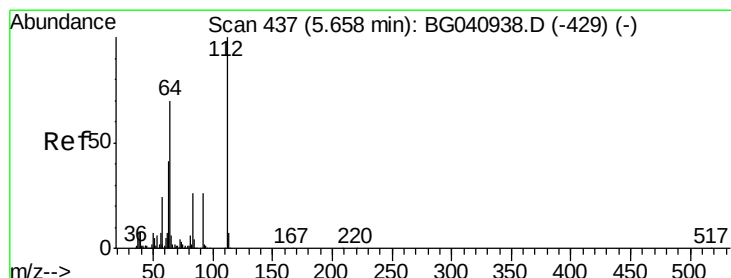
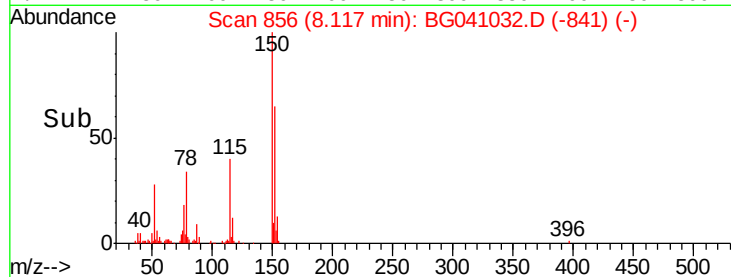
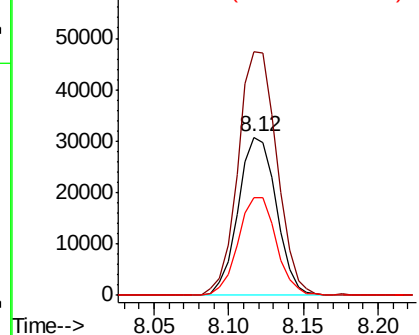


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

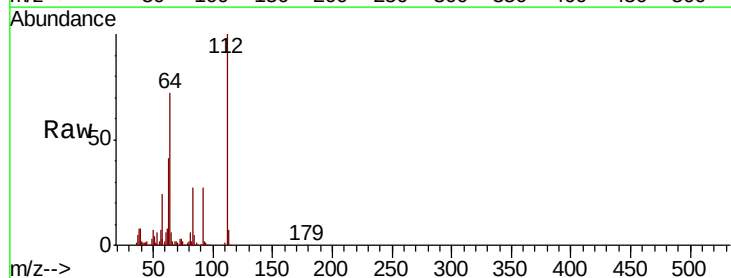
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 150.571 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	56.2	84.2
63	41.2	32.8	49.2

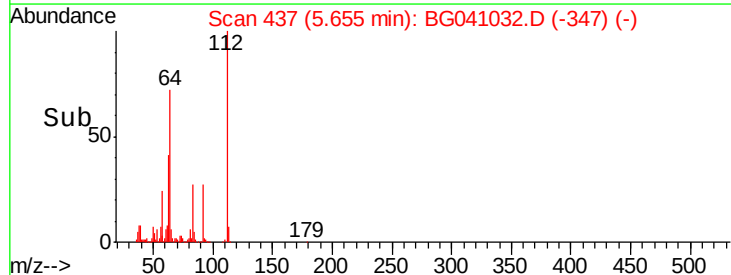
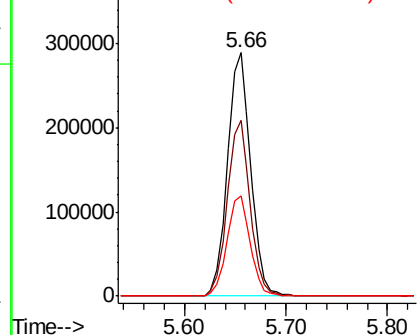


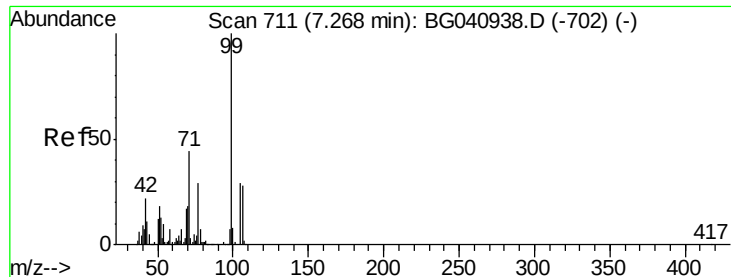
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 143.553 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

Instrument :

BNA_G

ClientSampleId :

FEQC-DUP-052319

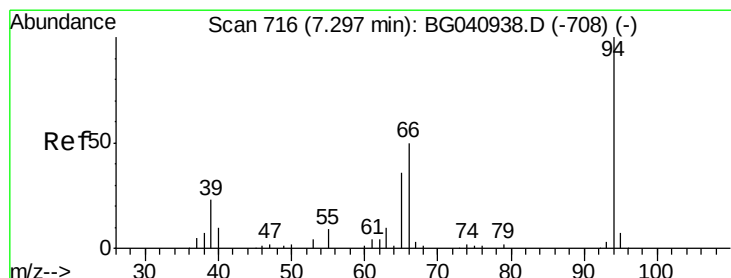
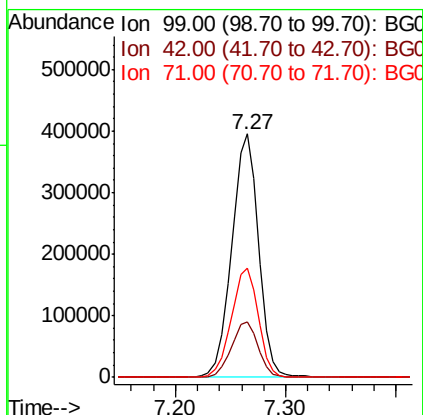
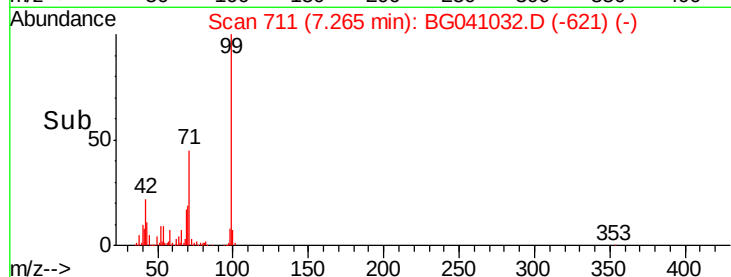
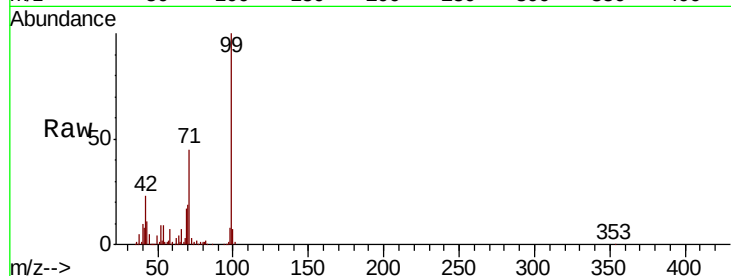
Tot Ion: 99 Resp: 672887

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

71 44.8 35.4 53.0



#10

Phenol

Concen: 2.085 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

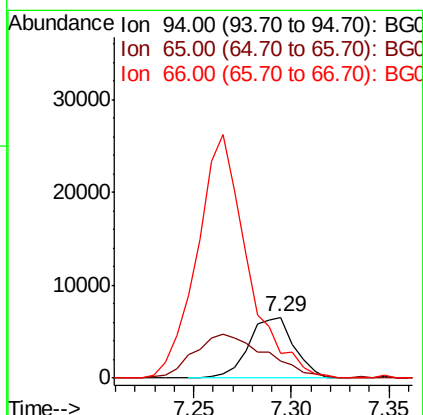
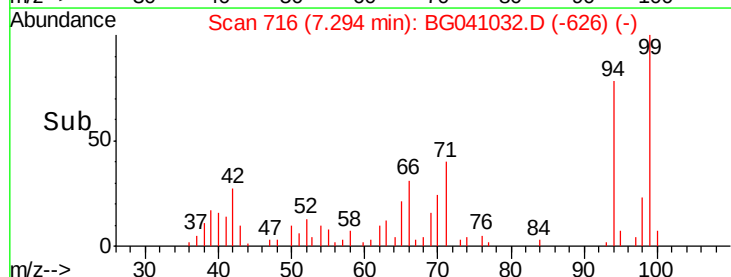
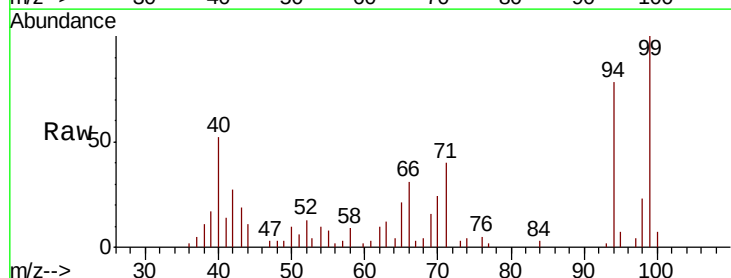
Tgt Ion: 94 Resp: 10481

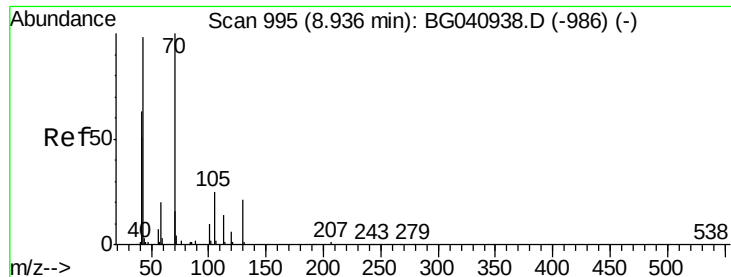
Ion Ratio Lower Upper

94 100

65 27.5 17.0 57.0

66 40.3 32.4 72.4

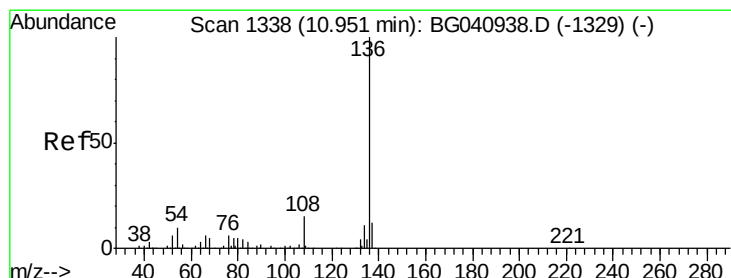
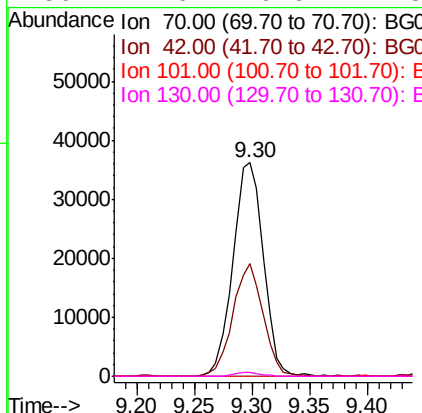
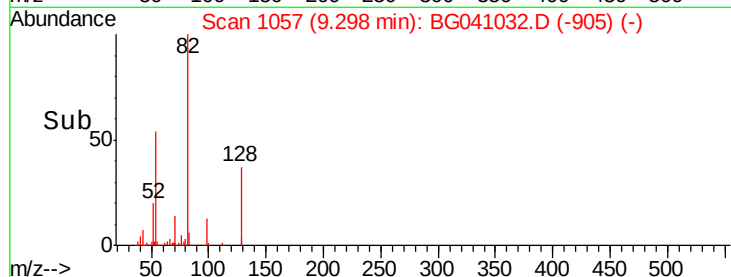
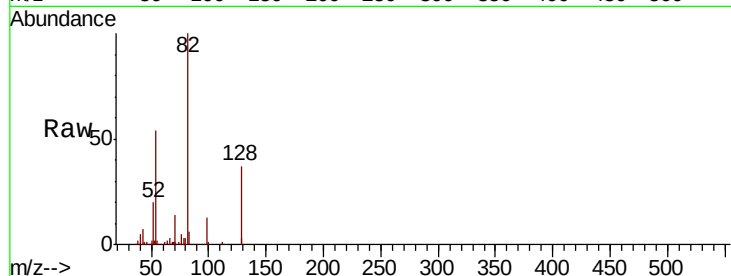




#19
n-Nitroso-di-n-propylamine
Concen: 18.306 ng
RT: 9.30 min Scan# 1057
Delta R.T. 0.36 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

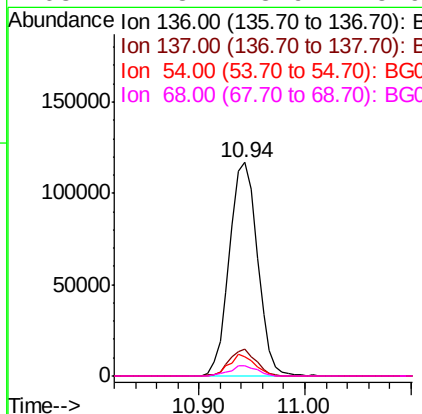
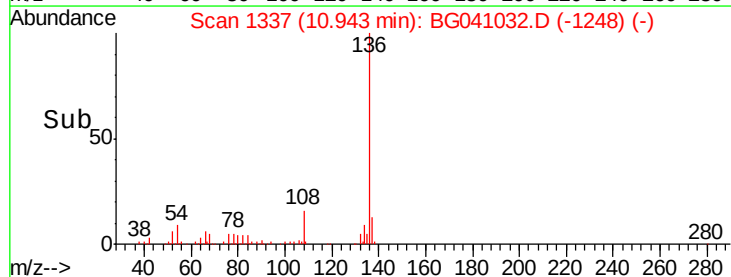
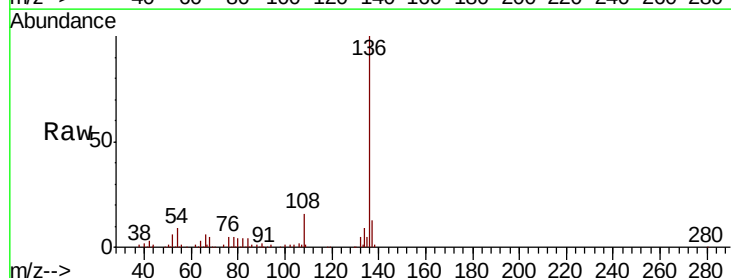
Instrument :
BNA_G
ClientSampleId :
FEQC-DUP-052319

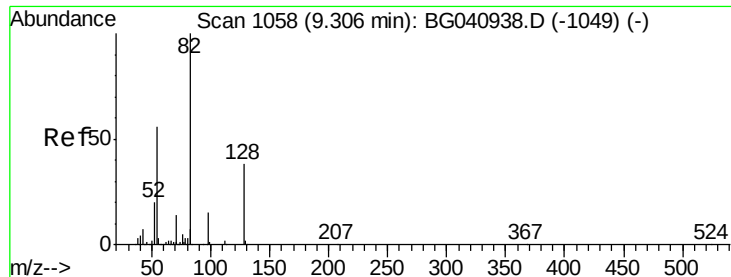
Tot Ion:	70	Resp:	66034
Ion	Ratio	Lower	Upper
70	100		
42	53.0	51.5	77.3
101	0.0	8.1	12.1#
130	1.6	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion:	136	Resp:	215543
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	8.8	7.6	11.4
68	4.8	3.9	5.9





#23

Nitrobenzene-d5

Concen: 94.652 ng

RT: 9.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

Instrument :

BNA_G

ClientSampleId :

FEQC-DUP-052319

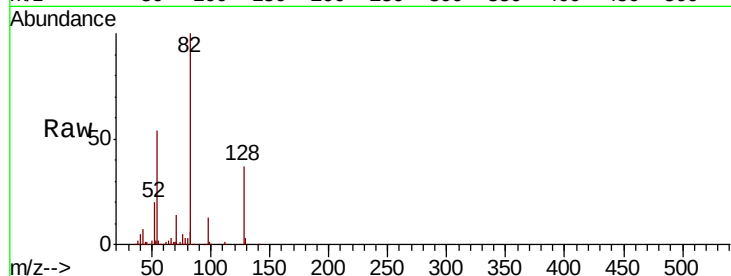
Tot Ion: 82 Resp: 459561

Ion Ratio Lower Upper

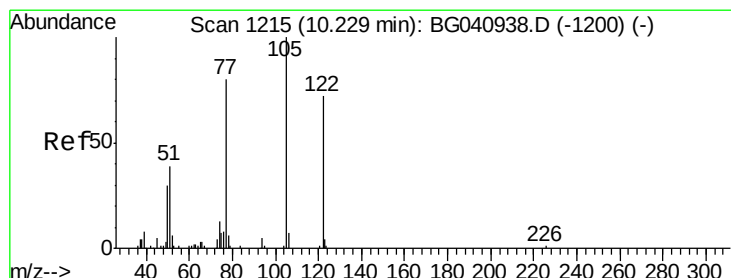
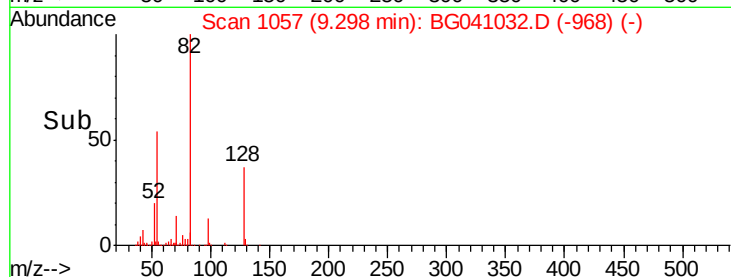
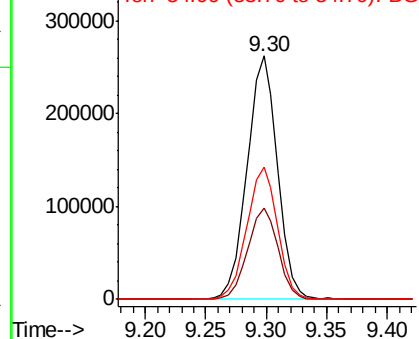
82 100

128 37.4 30.5 45.7

54 54.2 44.6 66.8



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



#32

Benzoic acid

Concen: 8.149 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.27 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

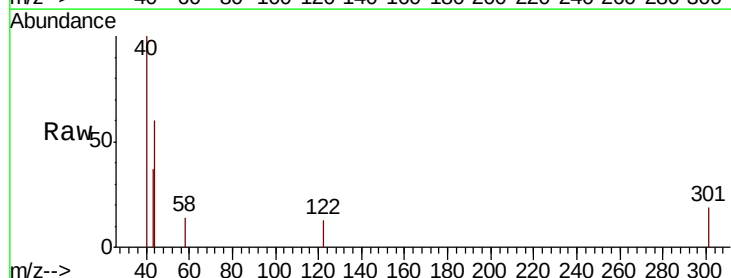
Tgt Ion: 122 Resp: 60

Ion Ratio Lower Upper

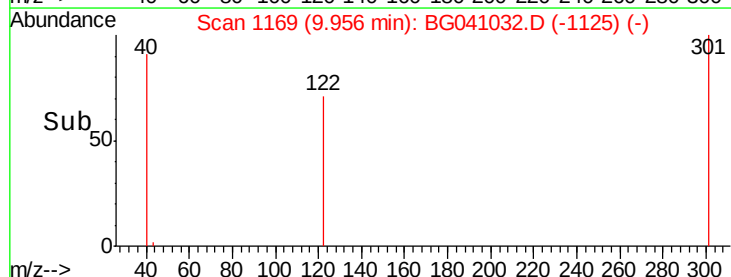
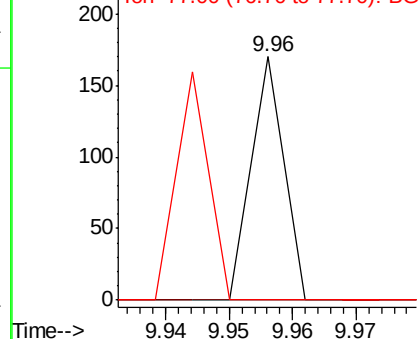
122 100

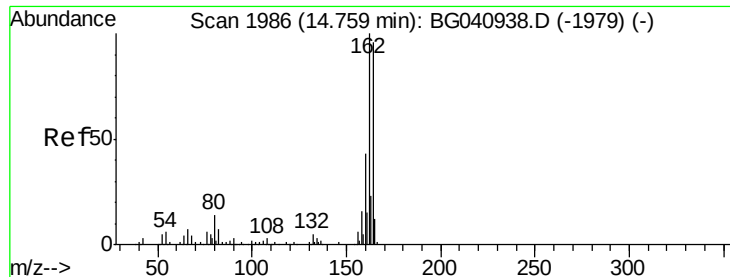
105 0.0 114.8 154.8#

77 0.0 89.9 129.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

Instrument :

BNA_G

ClientSampleId :

FEQC-DUP-052319

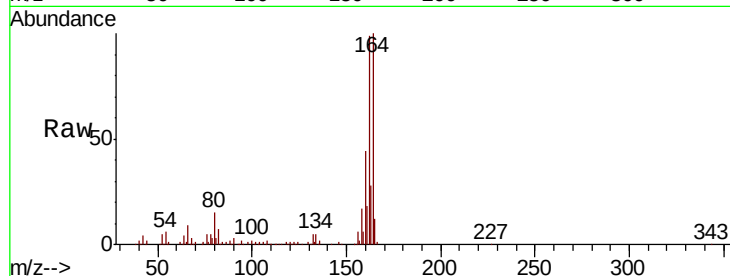
Tot Ion:164 Resp: 154362

Ion Ratio Lower Upper

164 100

162 99.4 83.0 124.4

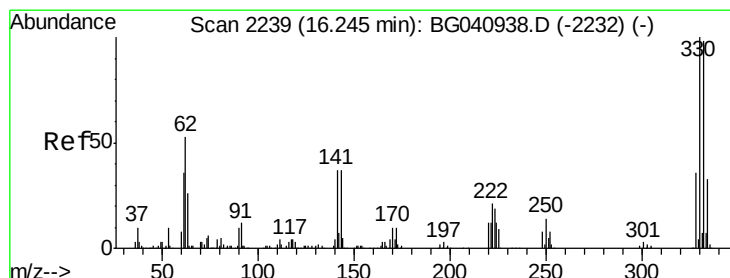
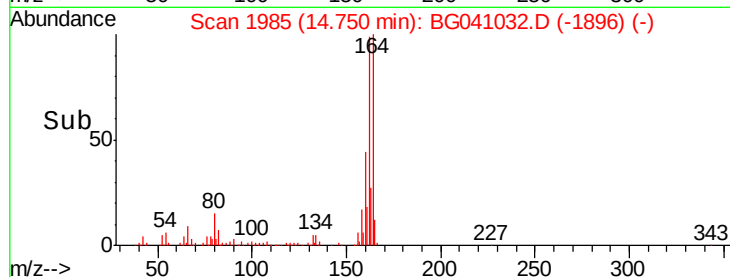
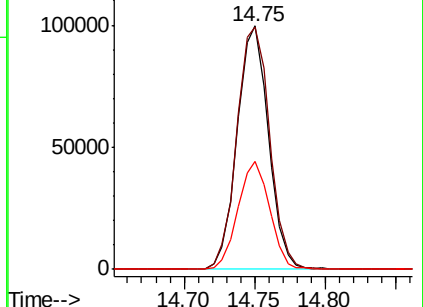
160 44.3 35.6 53.4



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: 143.174 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

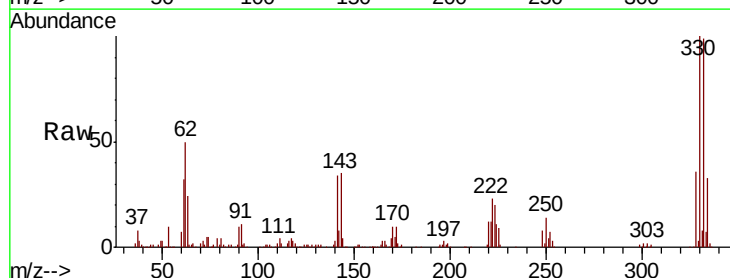
Tgt Ion:330 Resp: 328099

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

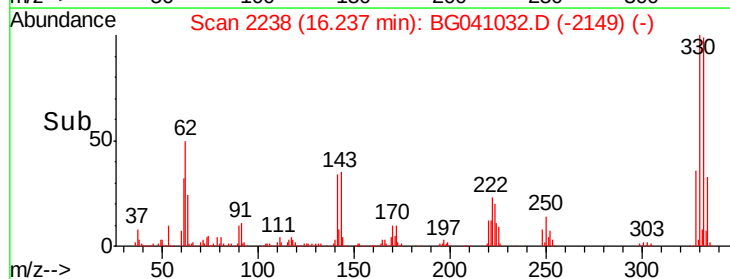
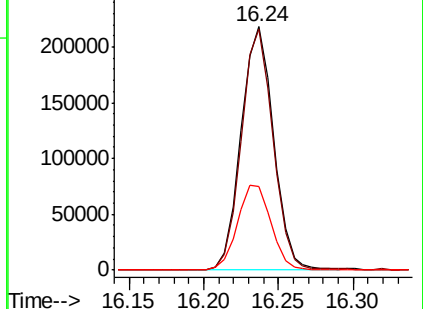
141 36.5 28.7 43.1

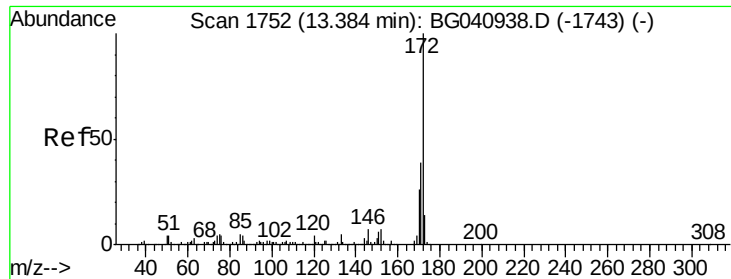


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

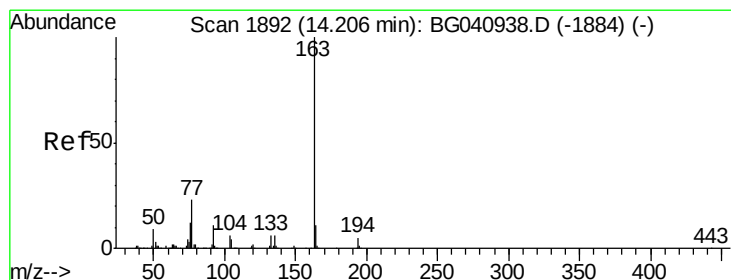
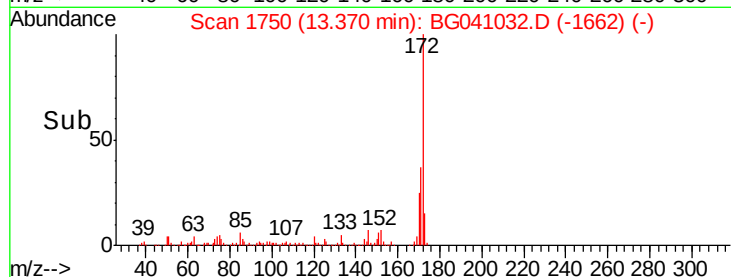
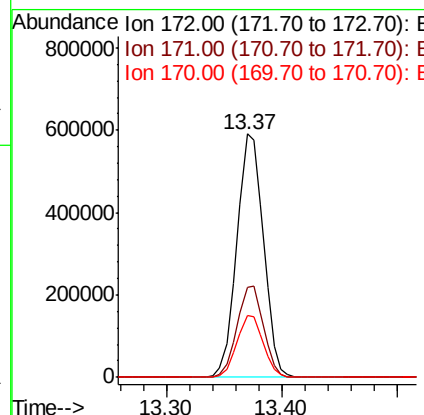
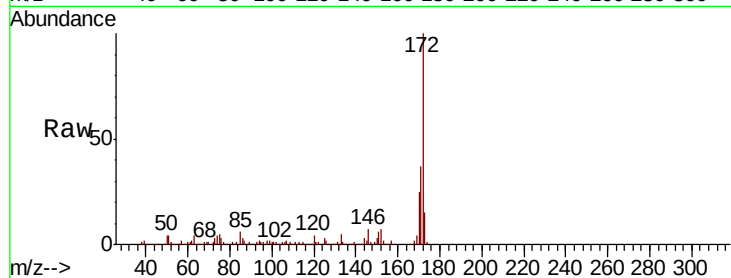




#45
2-Fluorobiphenyl
Concen: 88.145 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

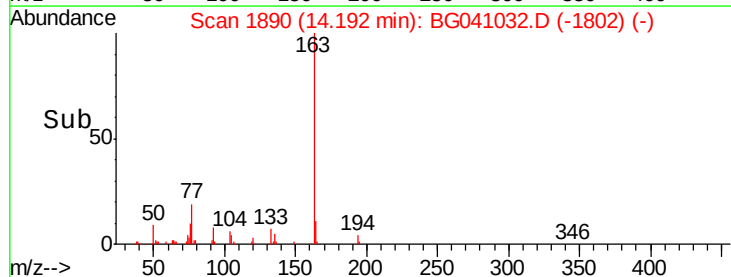
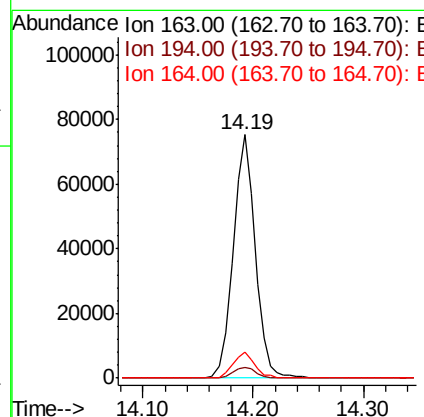
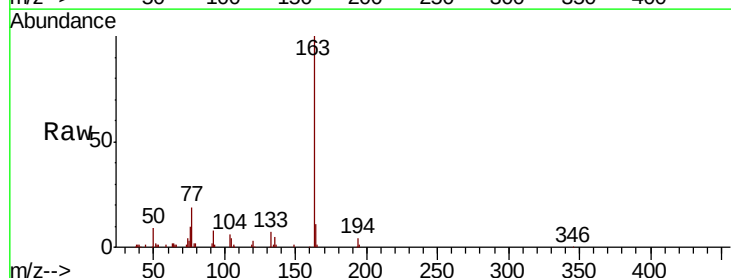
Instrument :
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FEQC-DUP-052319

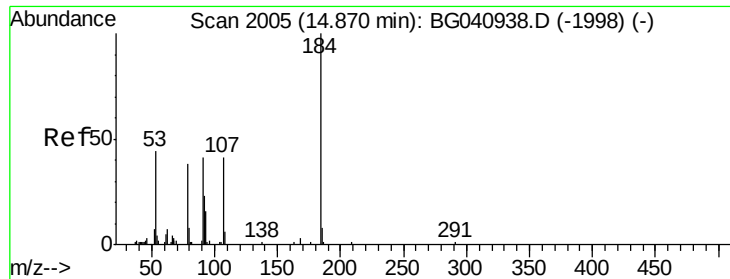
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.1	46.7
170	25.5	20.5	30.7



#50
Dimethylphthalate
Concen: 8.062 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.8	5.8
164	10.5	8.7	13.1

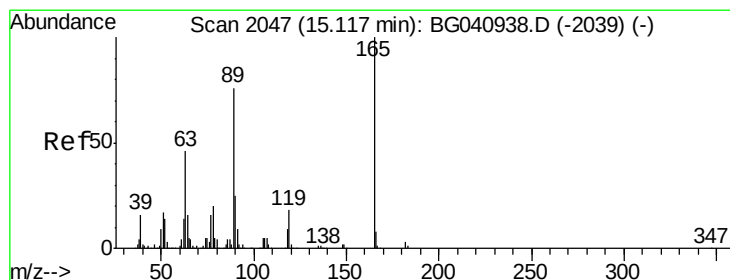
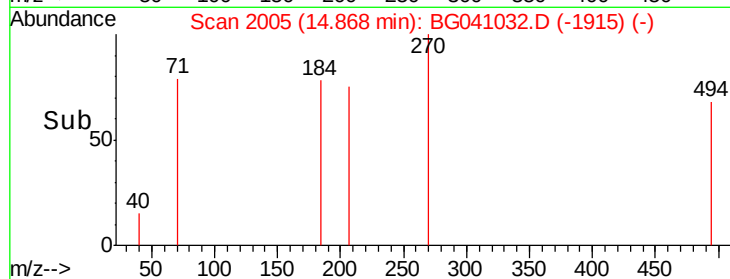
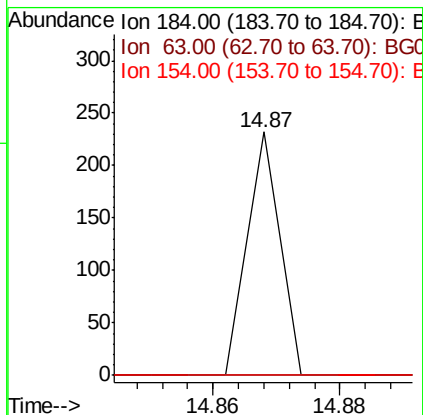
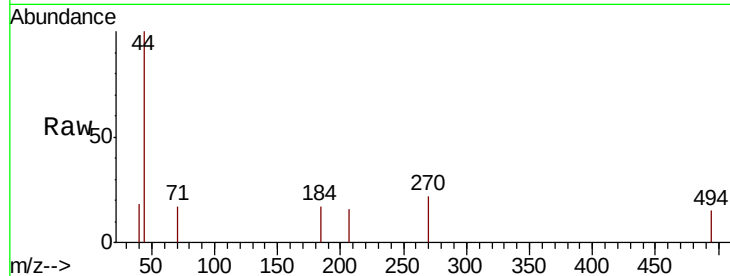




#54
2,4-Dinitrophenol
Concen: 8.321 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

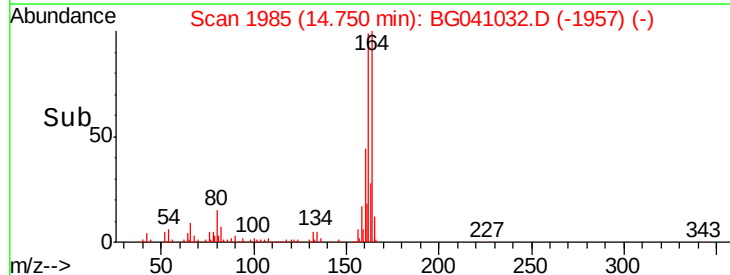
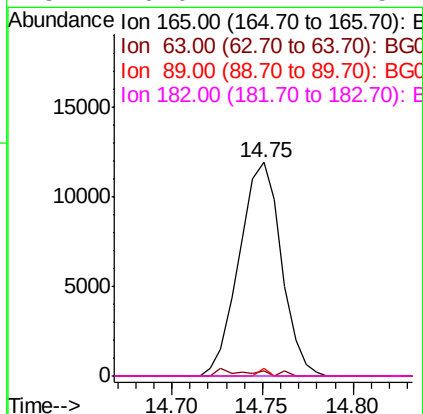
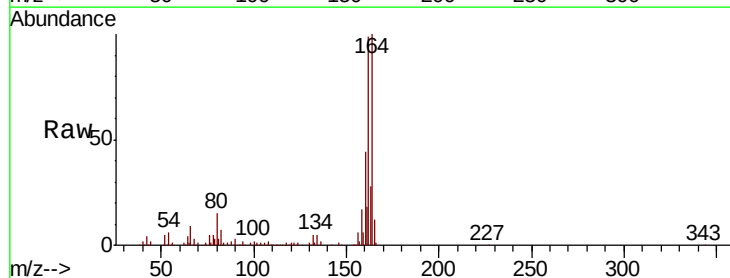
Instrument :
BNA_G
ClientSampleId :
FEQC-DUP-052319

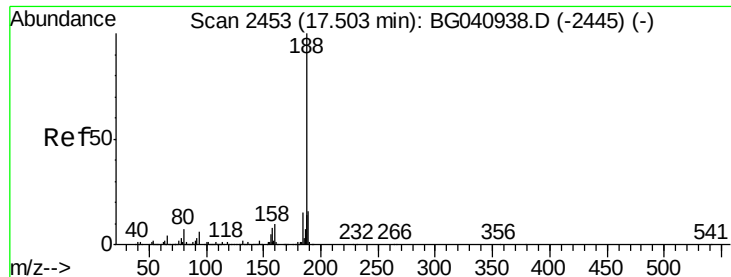
Tot Ion:184 Resp: 82
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 0.0 52.2 78.4#



#57
2,4-Dinitrotoluene
Concen: 4.847 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion:165 Resp: 19289
Ion Ratio Lower Upper
165 100
63 2.2 37.3 55.9#
89 3.8 61.0 91.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

Instrument :

BNA_G

ClientSampleId :

FEQC-DUP-052319

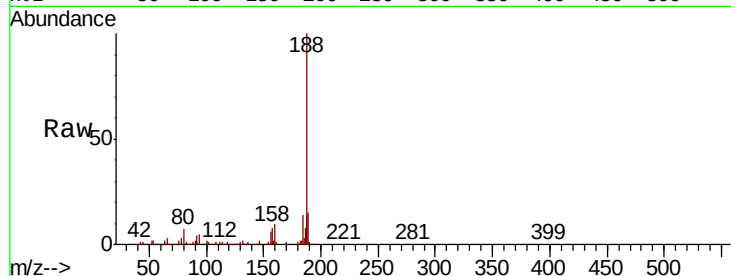
Tot Ion:188 Resp: 389282

Ion Ratio Lower Upper

188 100

94 4.9 4.7 7.1

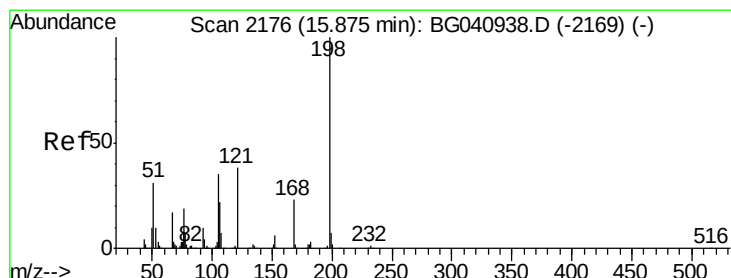
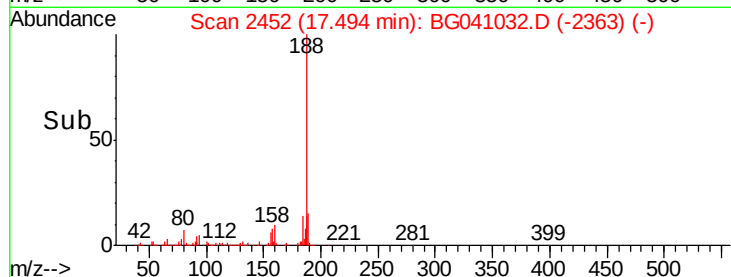
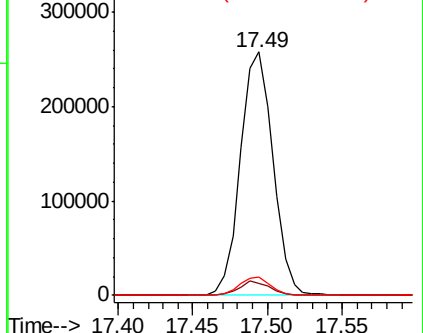
80 7.4 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 9.114 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

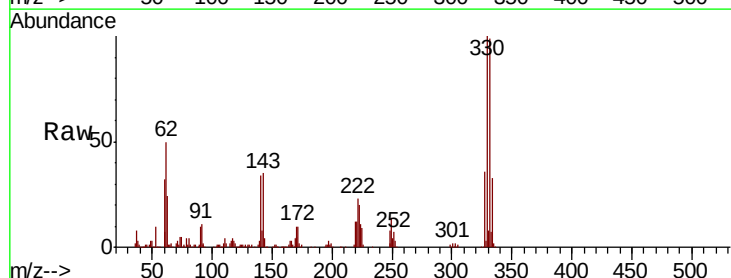
Tgt Ion:198 Resp: 1333

Ion Ratio Lower Upper

198 100

51 19.0 21.6 61.6#

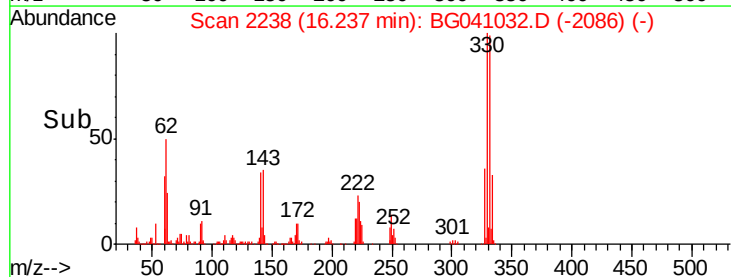
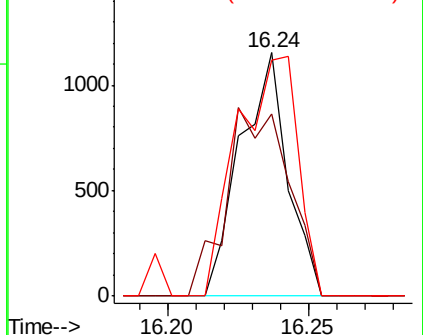
105 24.7 17.5 57.5

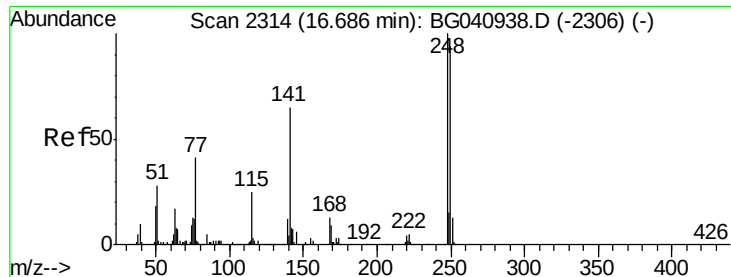


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

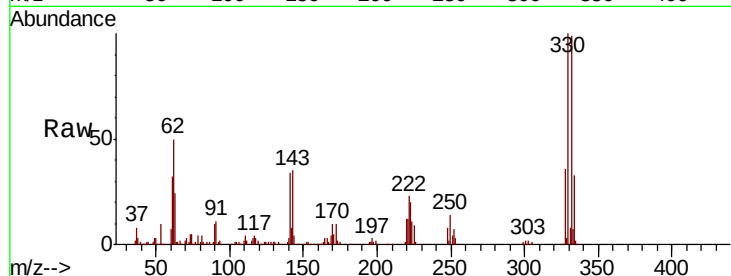




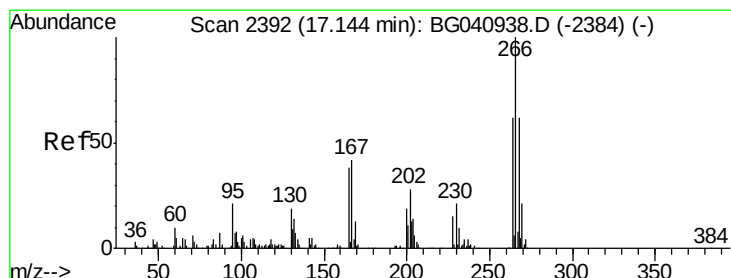
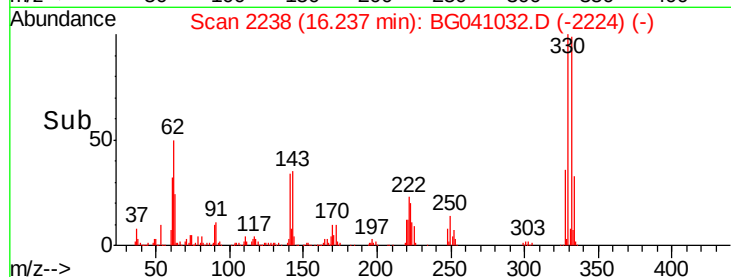
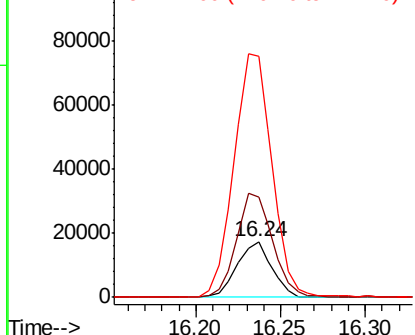
#67
4-Bromophenyl-phenylether
Concen: 4.742 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Instrument :
BNA_G
ClientSampleId :
FEQC-DUP-052319

Tot Ion:248 Resp: 24910
Ion Ratio Lower Upper
248 100
250 179.7 75.0 112.4#
141 433.4 52.4 78.6#

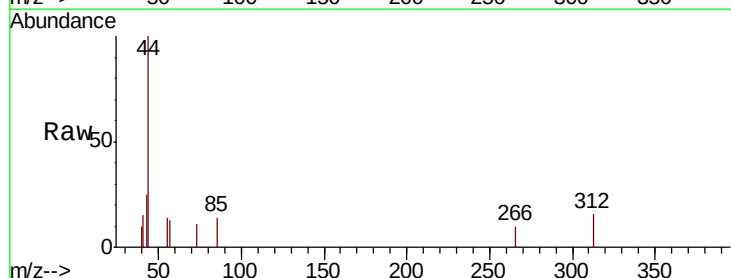


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

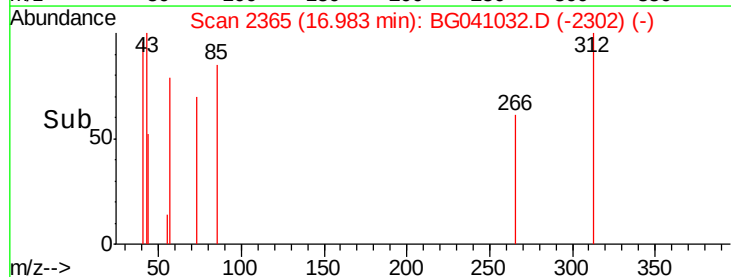
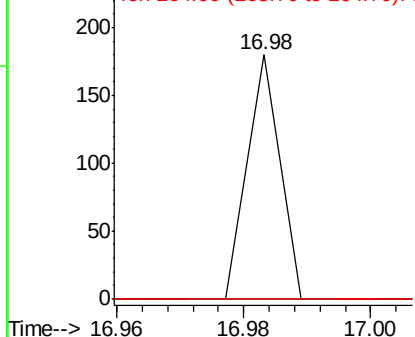


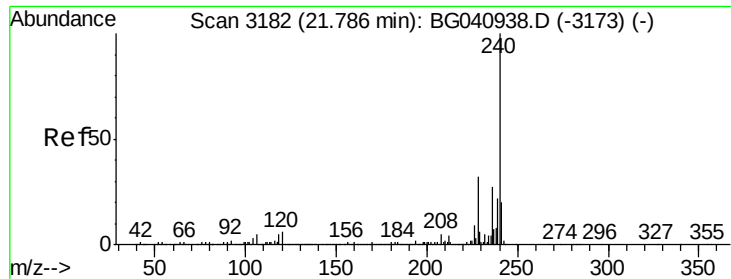
#70
Pentachlorophenol
Concen: 4.276 ng
RT: 16.98 min Scan# 2365
Delta R.T. -0.16 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion:266 Resp: 63
Ion Ratio Lower Upper
266 100
268 0.0 53.1 79.7#
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

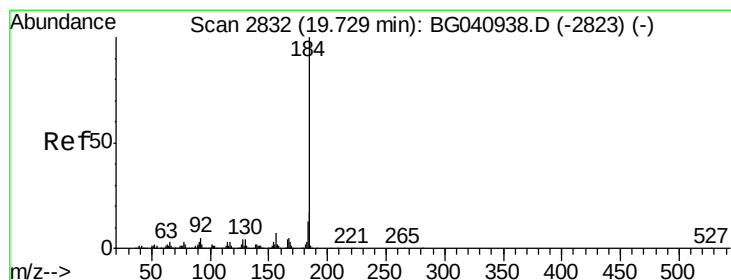
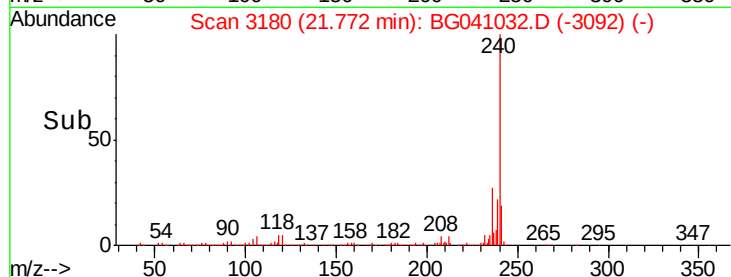
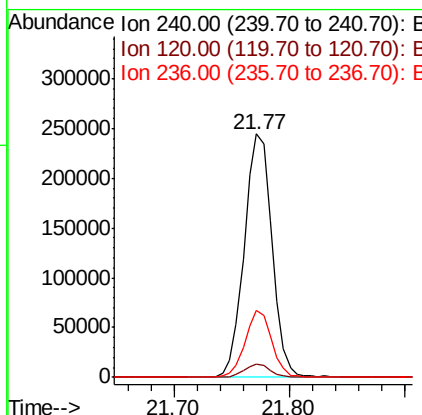
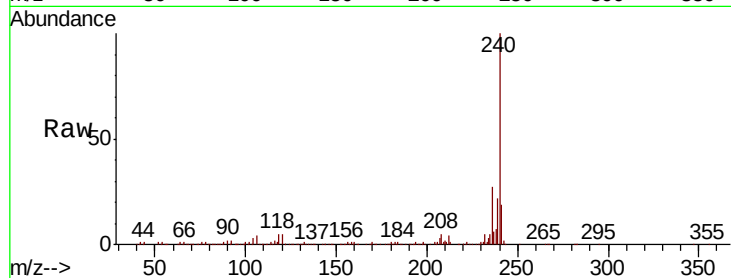




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

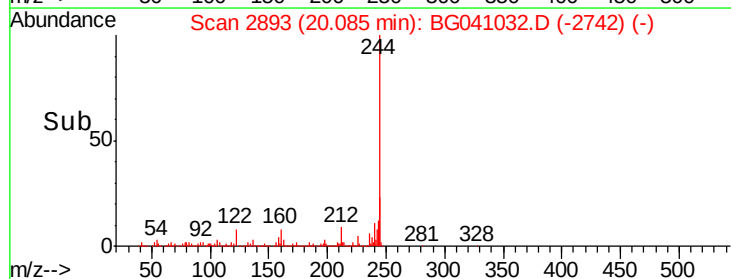
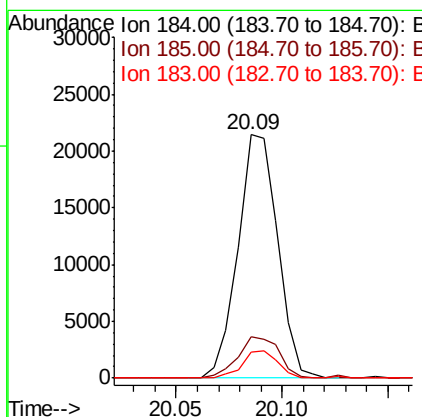
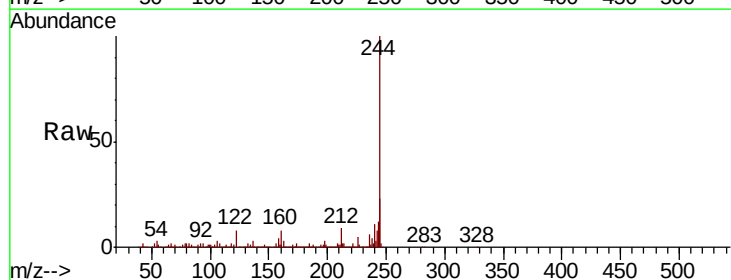
Instrument :
BNA_G
ClientSampleId :
FEQC-DUP-052319

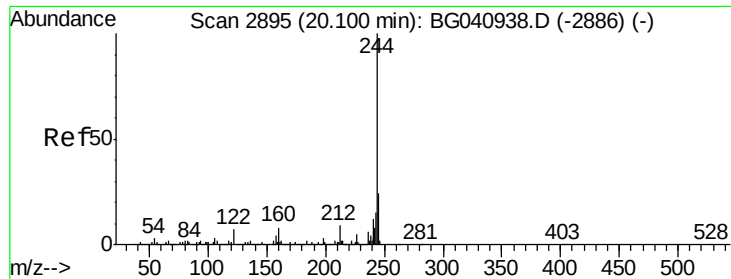
Tot Ion:240 Resp: 407936
Ion Ratio Lower Upper
240 100
120 5.3 4.5 6.7
236 27.5 21.3 31.9



#77
Benzidine
Concen: 2.866 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.36 min
Lab File: BG041032.D
Acq: 3 Jun 2019 13:43

Tgt Ion:184 Resp: 27888
Ion Ratio Lower Upper
184 100
185 16.7 13.3 19.9
183 10.5 10.7 16.1#





#79

Terphenyl-d14

Concen: 86.682 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

Instrument :

BNA_G

ClientSampleId :

FEQC-DUP-052319

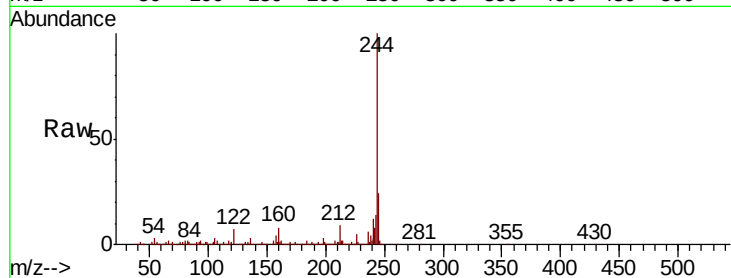
Tot Ion:244 Resp: 1666109

Ion Ratio Lower Upper

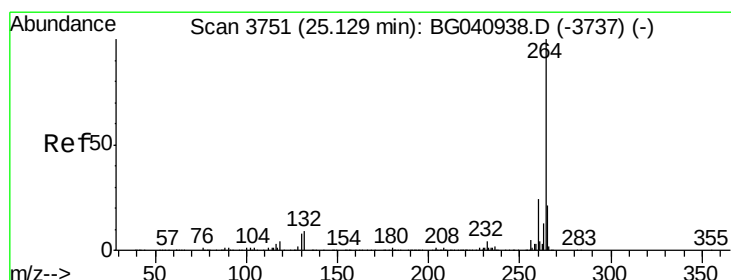
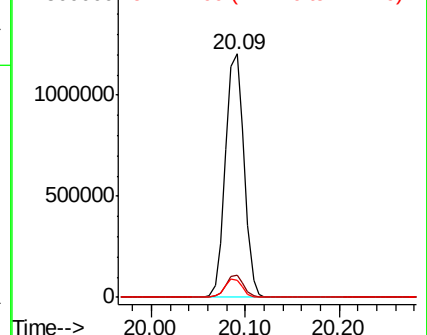
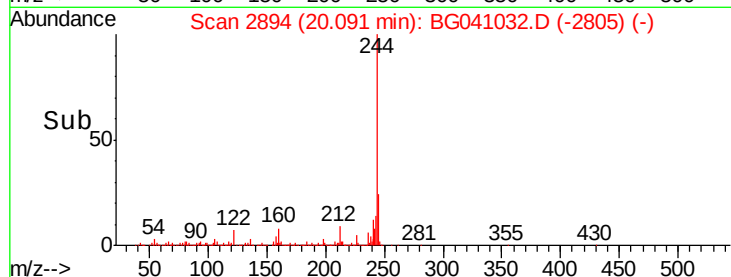
244 100

212 8.9 7.0 10.4

122 6.9 5.4 8.0



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: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG041032.D

Acq: 3 Jun 2019 13:43

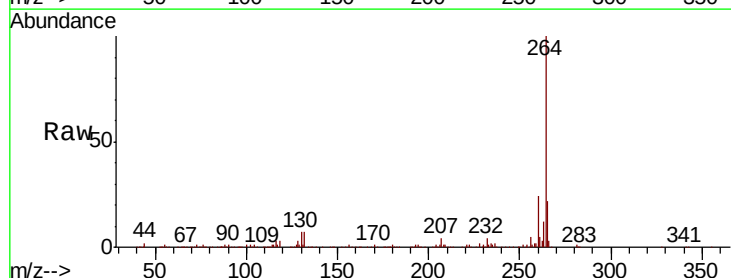
Tgt Ion:264 Resp: 425333

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 22.3 17.0 25.4



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

