

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043287.D
 Acq On : 18 Oct 2019 22:35
 Operator : JU
 Sample : K5410-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TI-604

Quant Time: Oct 19 00:36:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	43932	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	162926	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	118905	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	281005	20.00	ng	-0.01
76) Chrysene-d12	21.67	240	317376	20.00	ng	-0.02
87) Perylene-d12	24.89	264	378670	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	131396	53.38	ng	-0.02
7) Phenol-d6	7.21	99	120414	33.97	ng	-0.02
23) Nitrobenzene-d5	9.20	82	257546	76.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	199626	97.63	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	695419	84.79	ng	-0.02
79) Terphenyl-d14	20.02	244	1396627	93.77	ng	-0.01

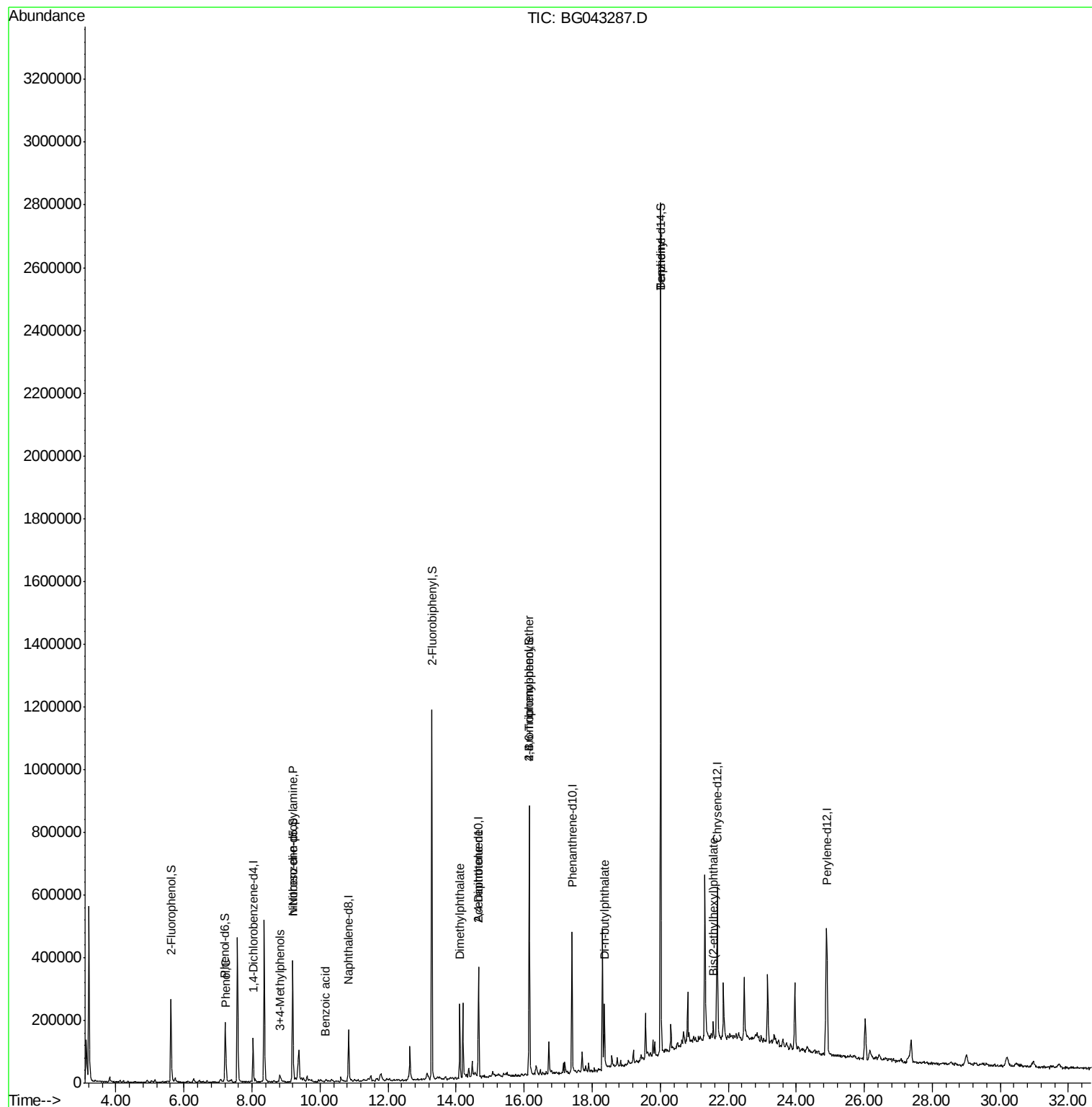
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	24769	7.616	ng	96
19) n-Nitroso-di-n-propylamine	9.20	70	36437	15.653	ng	# 68
20) 3+4-Methylphenols	8.82	107	11860	3.803	ng	93
32) Benzoic acid	10.14	122	120	2.879	ng	# 78
50) Dimethylphthalate	14.11	163	155210	17.421	ng	97
57) 2,4-Dinitrotoluene	14.66	165	15736	5.664	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	12758	3.617	ng	# 1
74) Di-n-butylphthalate	18.36	149	134475	8.875	ng	98
77) Benzidine	20.02	184	21278	2.678	ng	95
84) Bis(2-ethylhexyl)phthalate	21.56	149	22221	2.172	ng	92

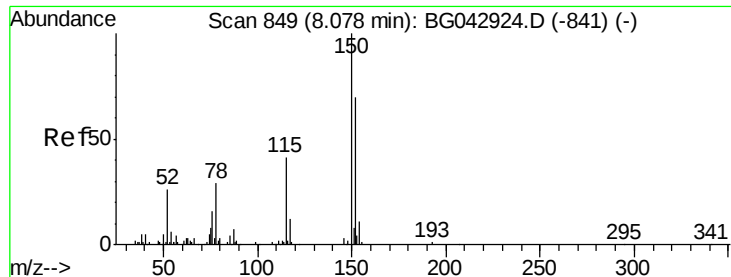
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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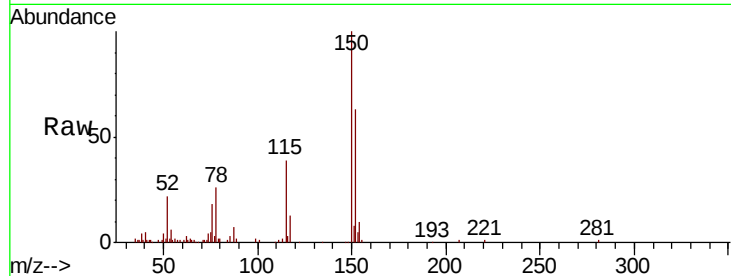


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Instrument :
BNA_G
ClientSampleId :
TI-604

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	115.0	172.4
115	62.2	47.0	70.6

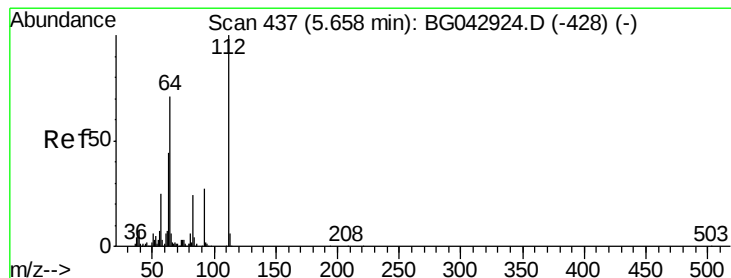
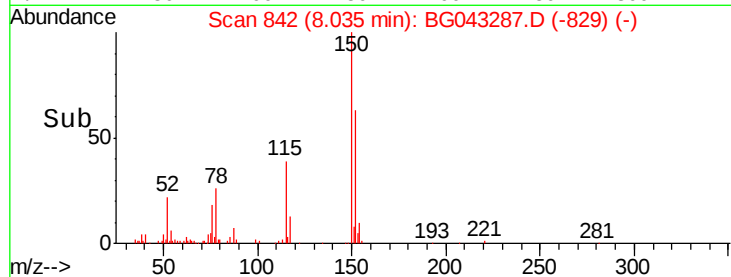
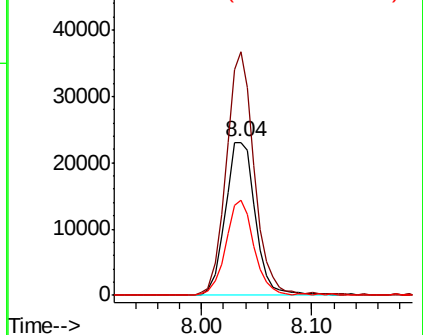


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

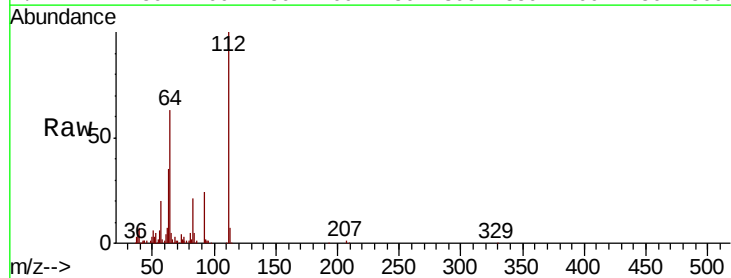
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.376 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	56.6	84.8
63	35.2	35.1	52.7

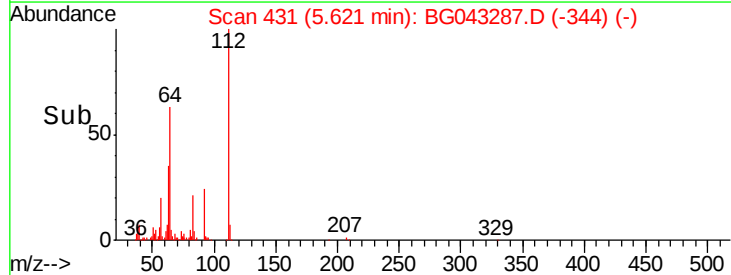
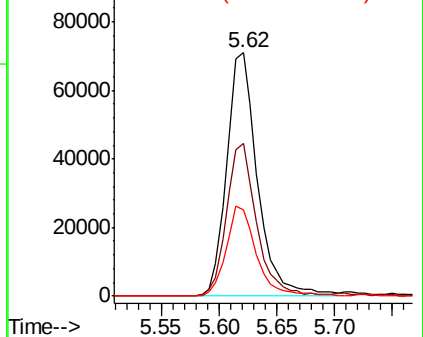


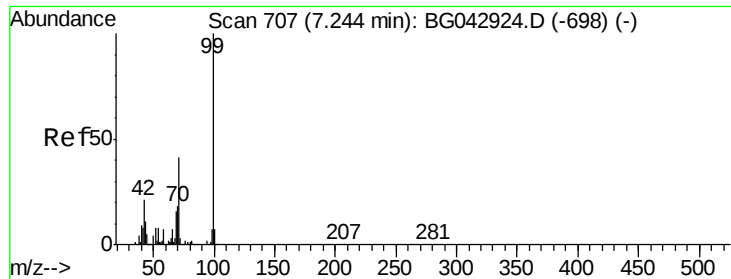
Abundance

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: 33.967 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

Instrument :

BNA_G

ClientSampleId :

TI-604

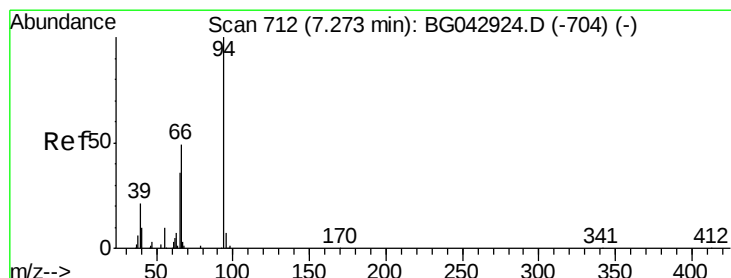
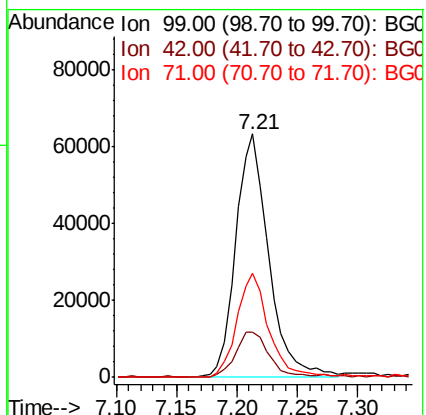
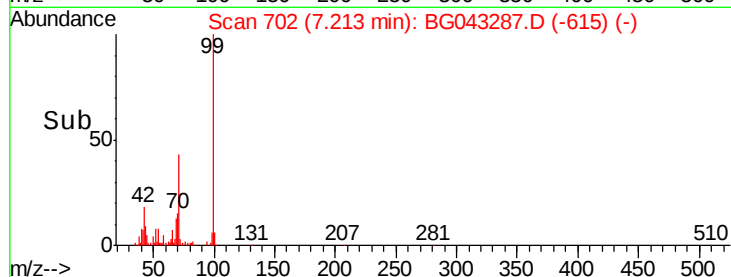
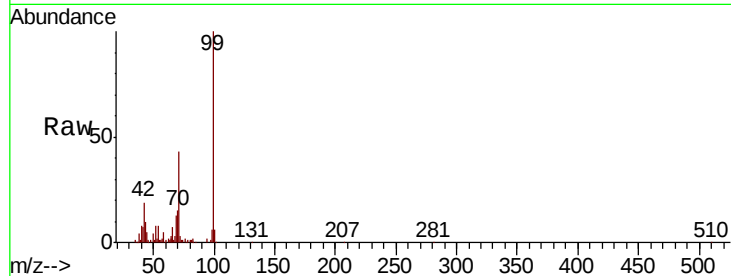
Tot Ion: 99 Resp: 120414

Ion Ratio Lower Upper

99 100

42 18.6 17.2 25.8

71 42.7 33.1 49.7



#10

Phenol

Concen: 7.616 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.02 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

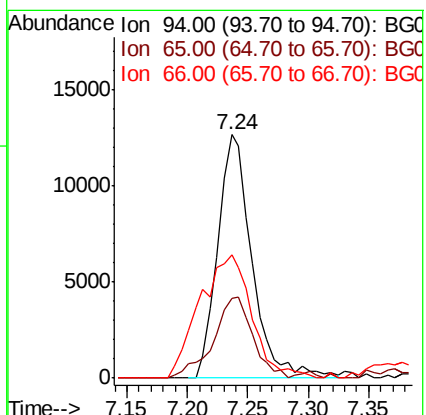
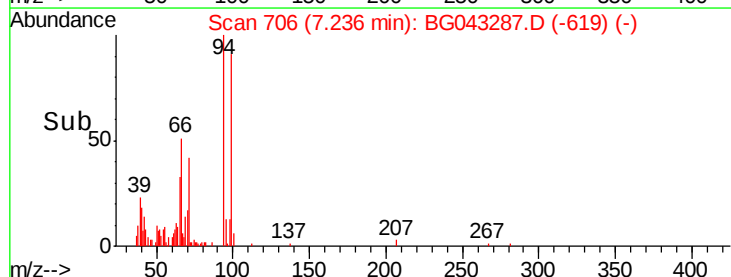
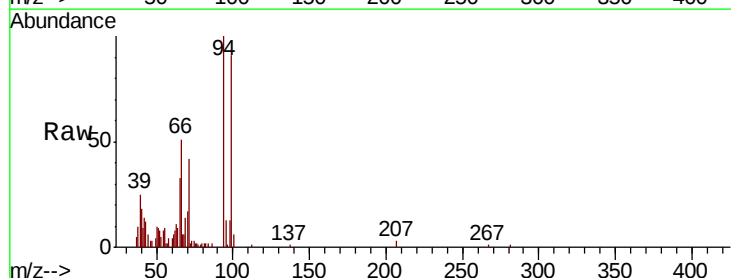
Tgt Ion: 94 Resp: 24769

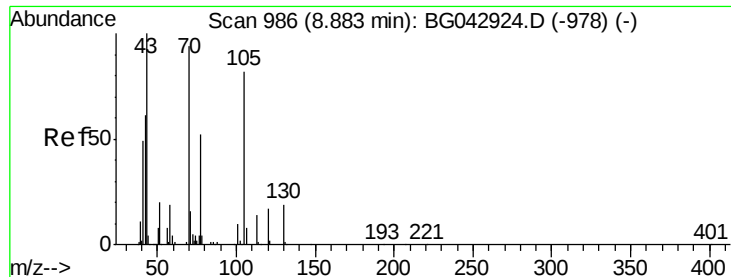
Ion Ratio Lower Upper

94 100

65 32.8 16.6 56.6

66 50.7 32.4 72.4

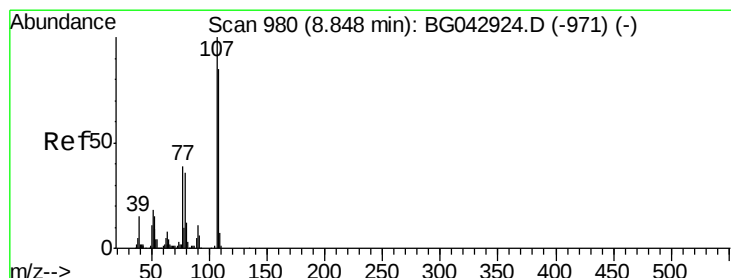
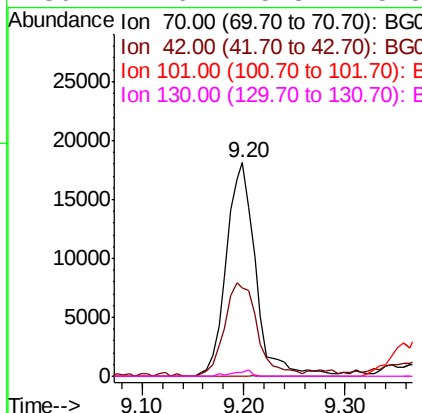
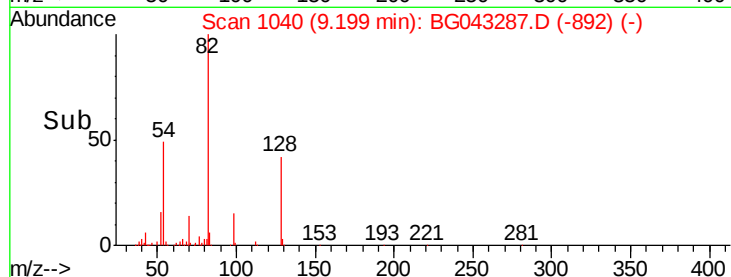
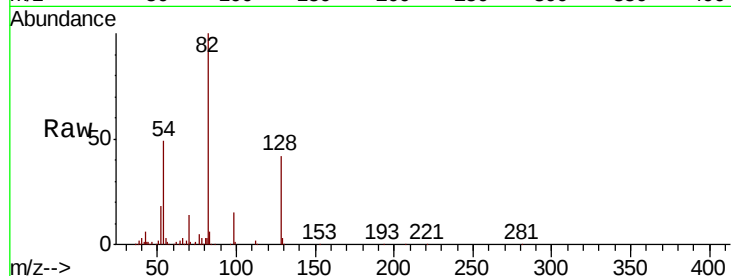




#19
n-Nitroso-di-n-propylamine
Concen: 15.653 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

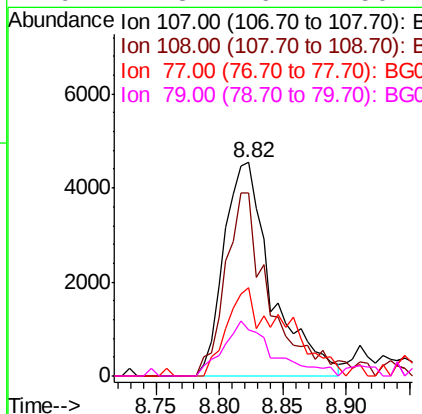
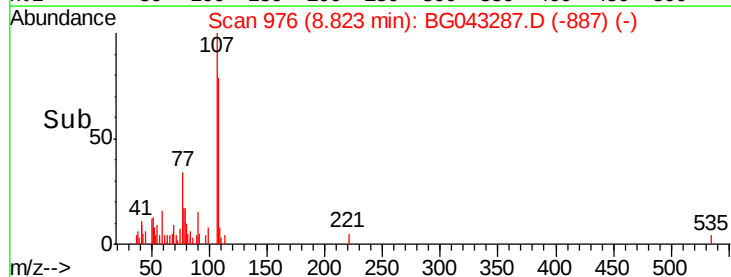
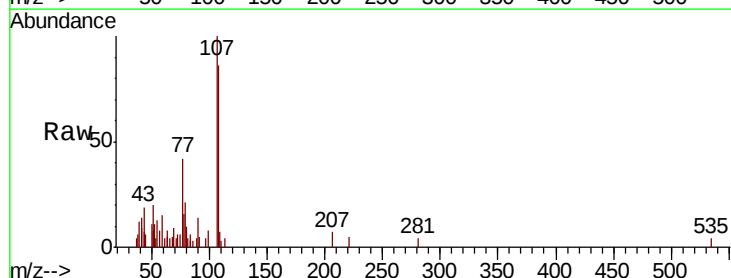
Instrument :
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TI-604

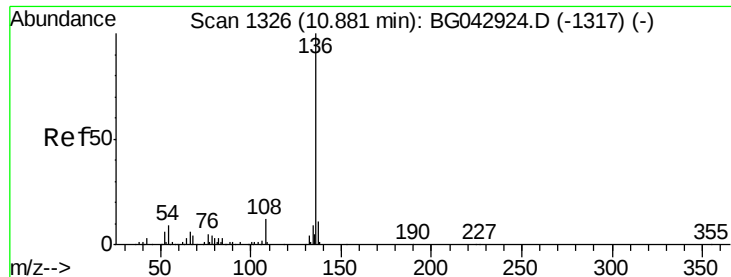
Tot Ion: 70 Resp: 36437
Ion Ratio Lower Upper
70 100
42 41.3 52.6 79.0#
101 0.0 8.7 13.1#
130 1.6 15.8 23.8#



#20
3+4-Methylphenols
Concen: 3.803 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Tgt Ion: 107 Resp: 11860
Ion Ratio Lower Upper
107 100
108 85.6 64.9 104.9
77 41.5 19.4 59.4
79 21.3 16.2 56.2

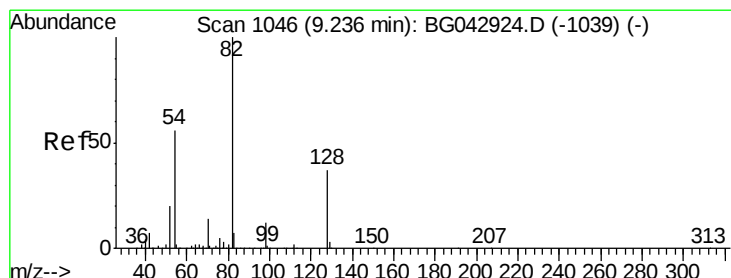
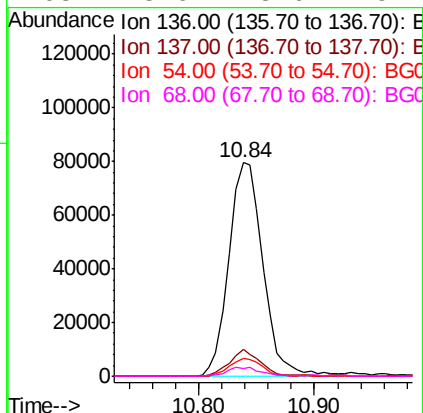
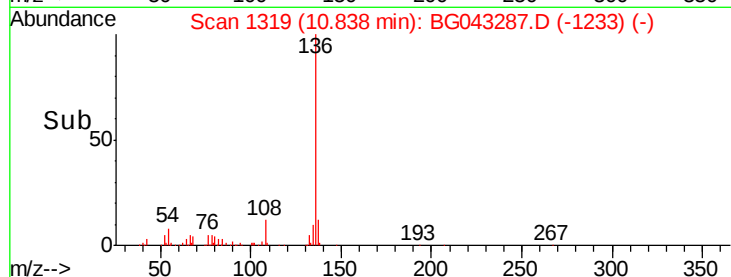
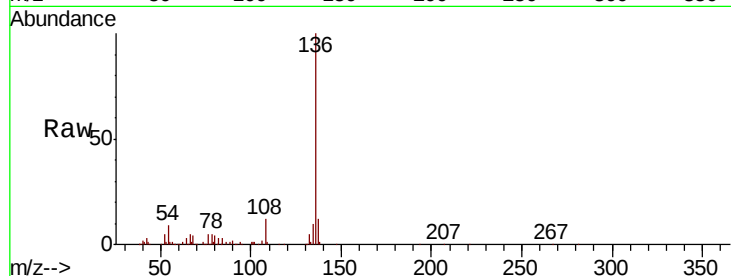




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

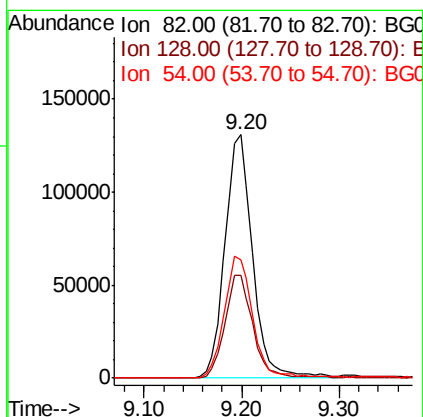
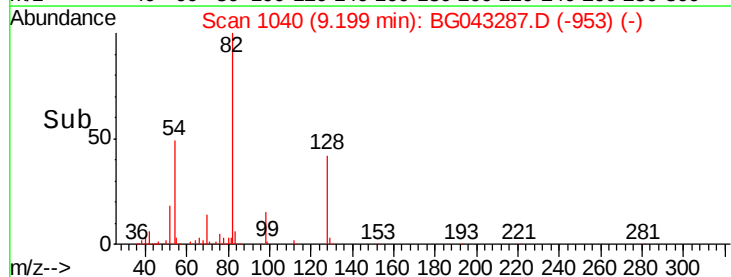
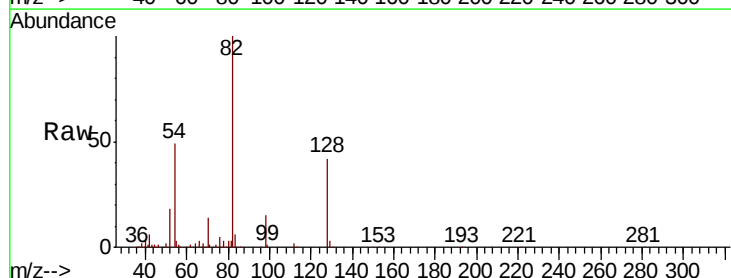
Instrument :
BNA_G
ClientSampleId :
TI-604

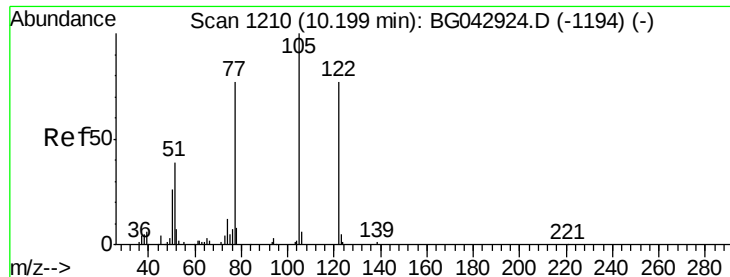
Tot Ion:136	Resp:	162926
Ion	Ratio	Lower Upper
136	100	
137	12.3	8.5 12.7
54	8.6	7.4 11.2
68	3.6	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 76.833 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Tgt Ion: 82	Resp:	257546
Ion	Ratio	Lower Upper
82	100	
128	42.1	29.5 44.3
54	48.8	44.6 67.0

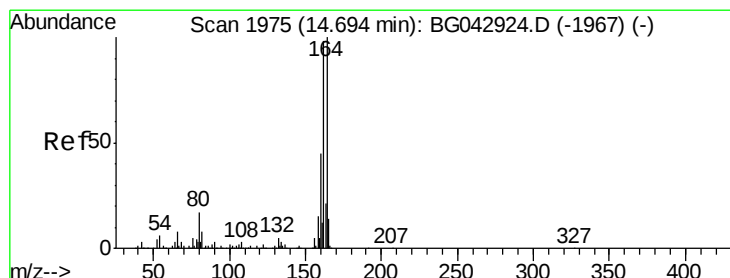
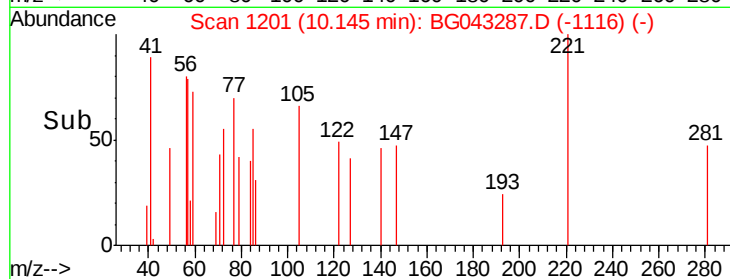
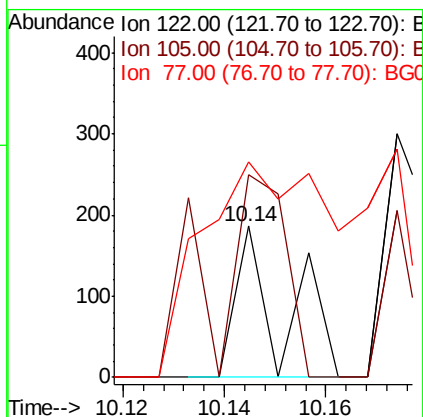
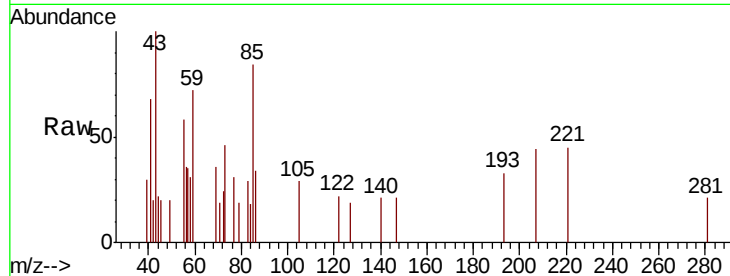




#32
Benzoic acid
Concen: 2.879 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

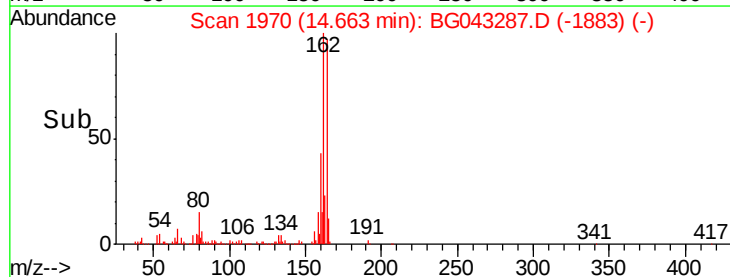
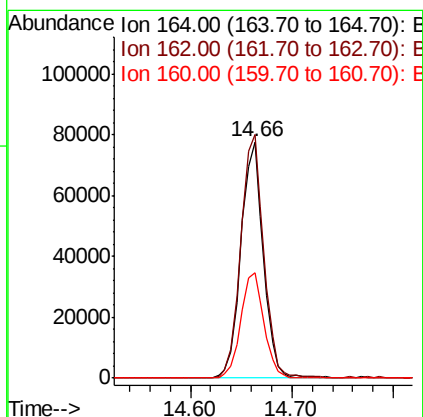
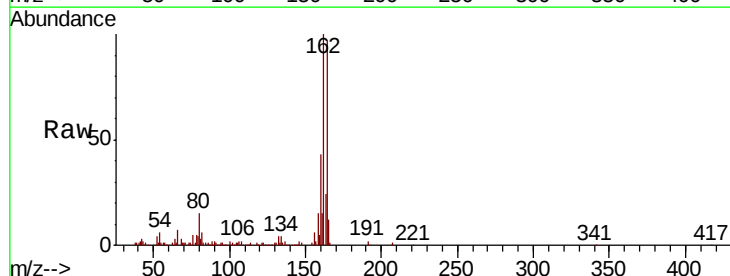
Instrument :
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ClientSampleId :
TI-604

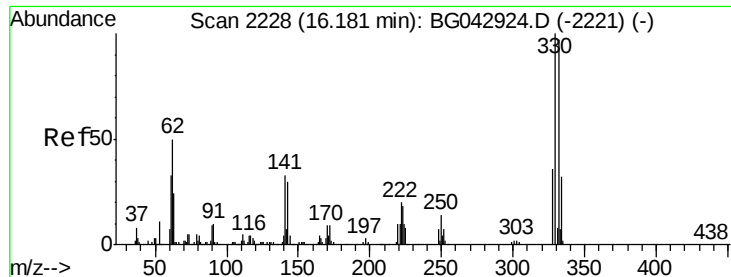
Tot Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 134.4 107.5 147.5
77 142.5 79.8 119.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Tgt Ion:164 Resp: 118905
Ion Ratio Lower Upper
164 100
162 102.9 78.5 117.7
160 44.5 35.9 53.9

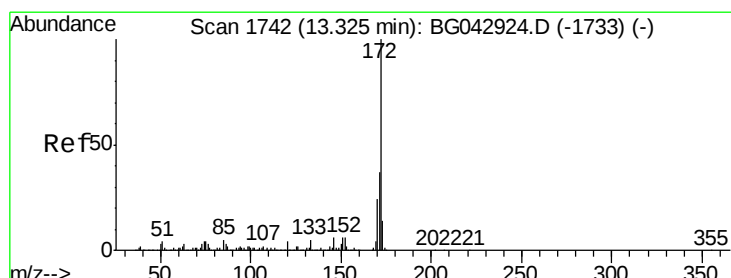
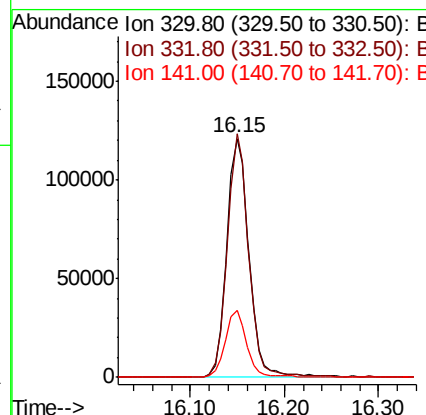
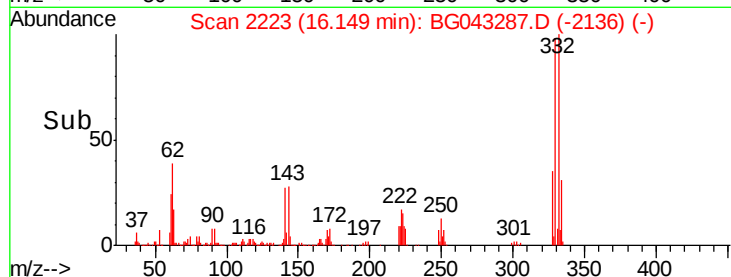
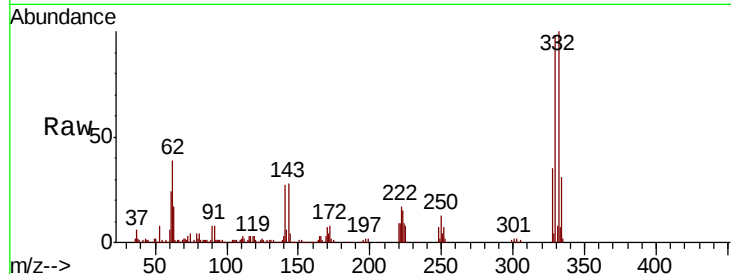




#42
 2,4,6-Tribromophenol
 Concen: 97.634 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.02 min
 Lab File: BG043287.D
 Acq: 18 Oct 2019 22:35

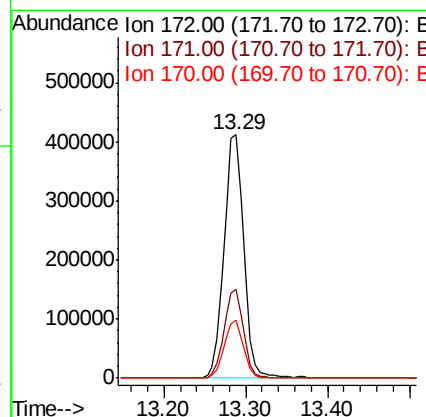
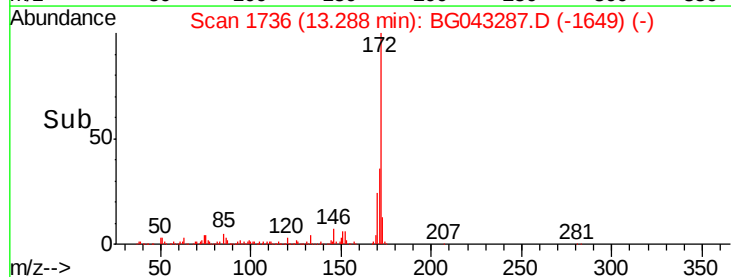
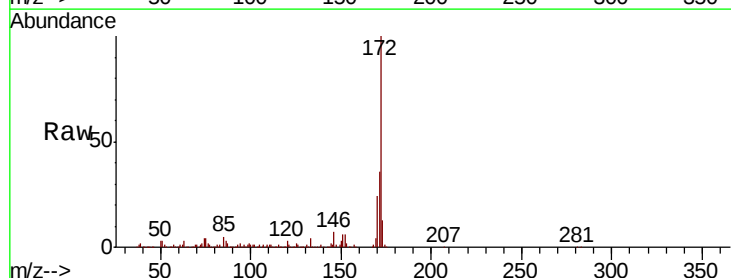
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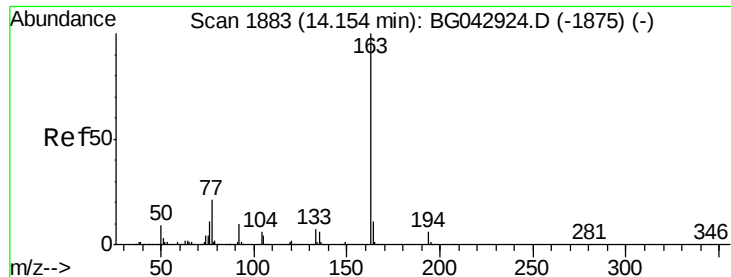
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.2	117.2
141	27.5	26.0	39.0



#45
 2-Fluorobiphenyl
 Concen: 84.786 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.02 min
 Lab File: BG043287.D
 Acq: 18 Oct 2019 22:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.6	19.6	29.4

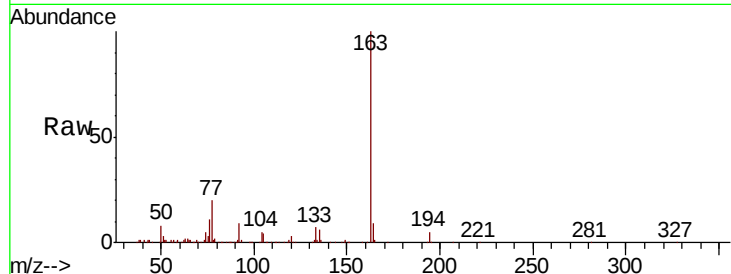




#50
Dimethylphthalate
Concen: 17.421 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Instrument :
BNA_G
ClientSampleId :
TI-604

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.4	6.6
164	9.5	8.6	12.8

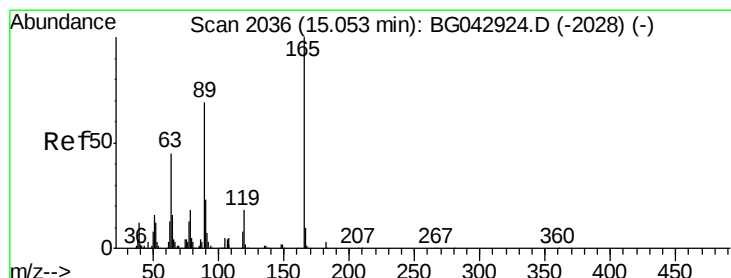
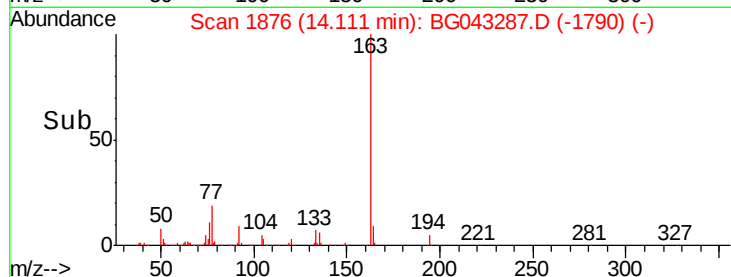
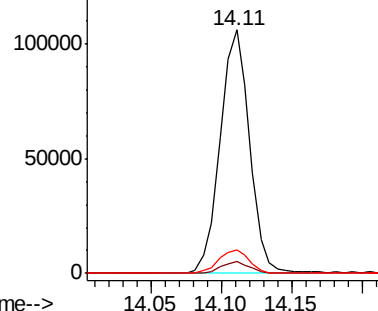


Abundance

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



#57
2,4-Dinitrotoluene
Concen: 5.664 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.38 min
Lab File: BG043287.D
Acq: 18 Oct 2019 22:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	4.7	55.5	83.3#
182	0.0	2.4	3.6#

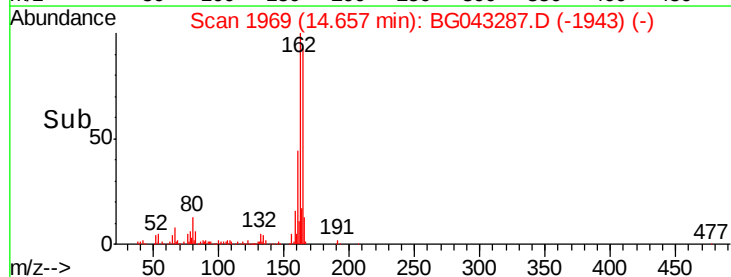
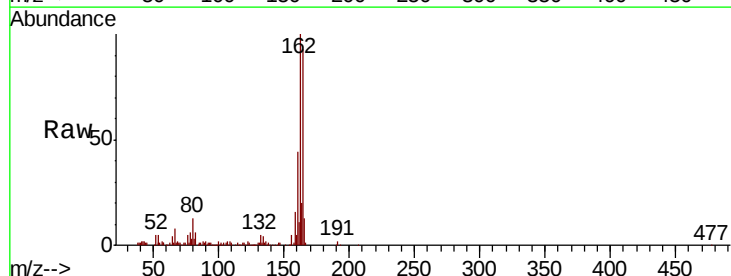
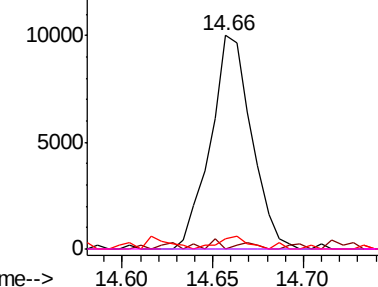
Abundance

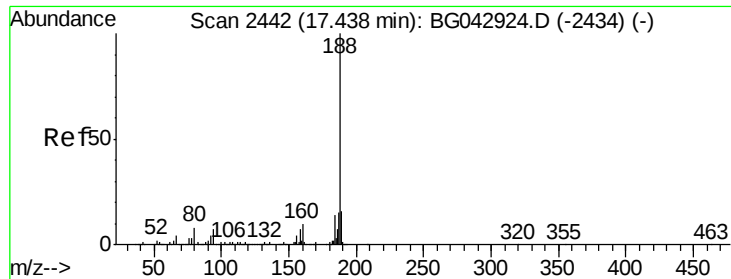
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

Instrument :

BNA_G

ClientSampleId :

TI-604

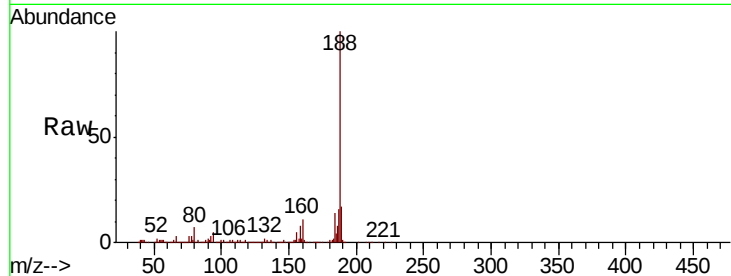
Tot Ion:188 Resp: 281005

Ion Ratio Lower Upper

188 100

94 5.3 5.7 8.5#

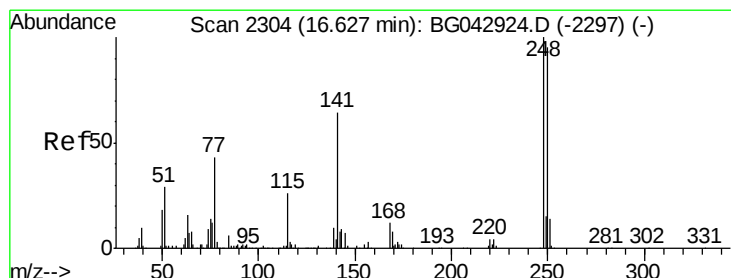
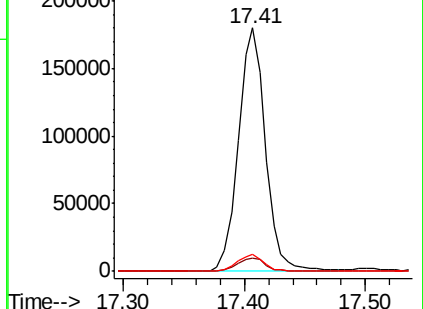
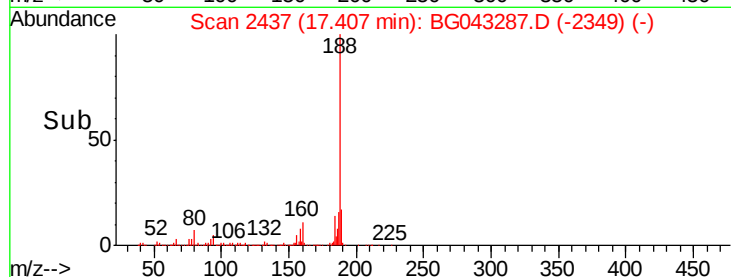
80 7.2 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.617 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.46 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

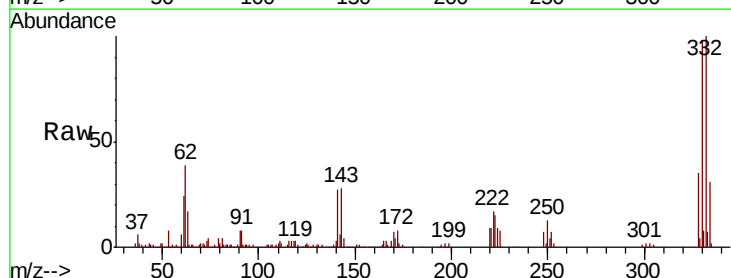
Tgt Ion:248 Resp: 12758

Ion Ratio Lower Upper

248 100

250 193.9 75.8 113.8#

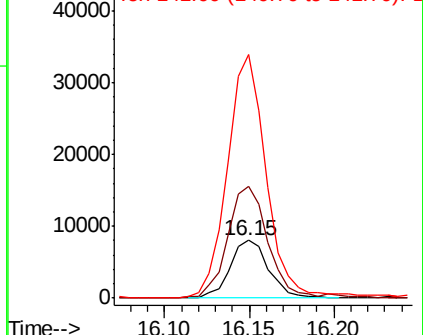
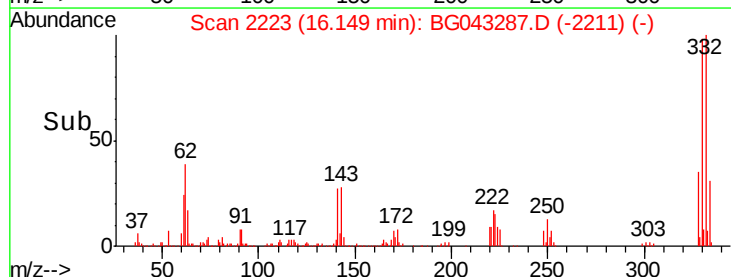
141 420.3 51.1 76.7#

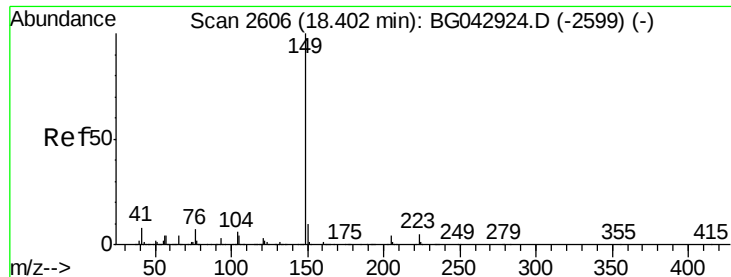


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 8.875 ng

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

Instrument :

BNA_G

ClientSampleId :

TI-604

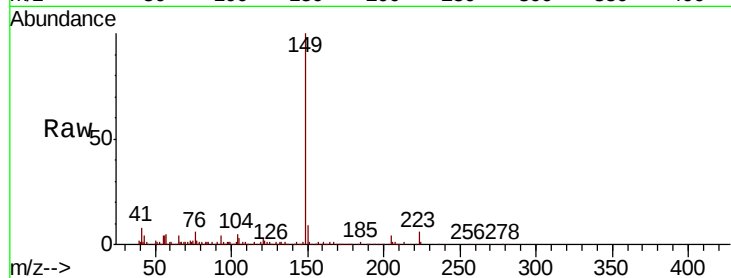
Tot Ion:149 Resp: 134475

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

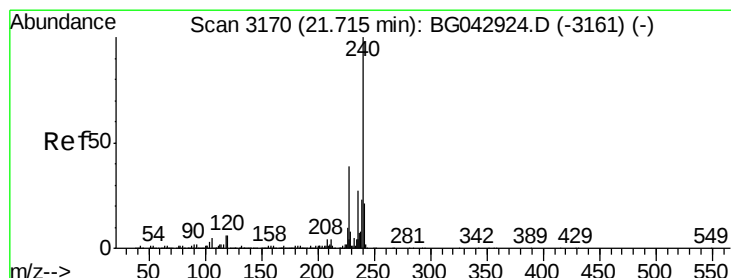
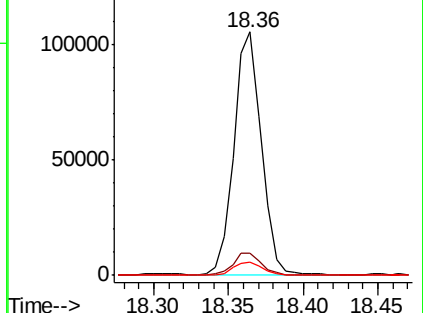
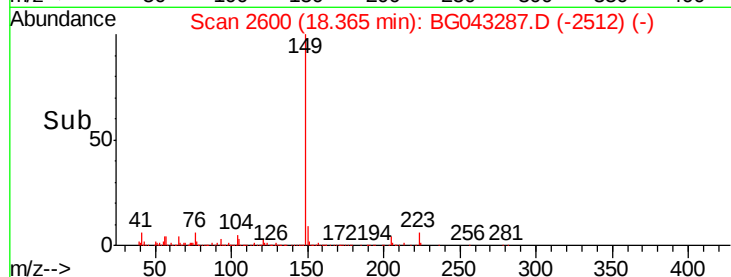
104 5.2 5.0 7.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.02 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

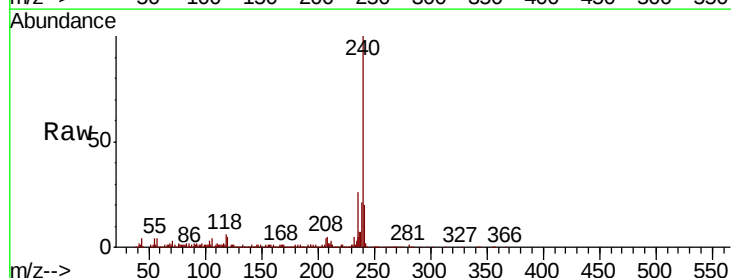
Tgt Ion:240 Resp: 317376

Ion Ratio Lower Upper

240 100

120 5.3 4.8 7.2

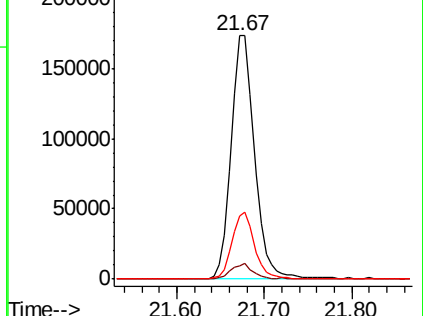
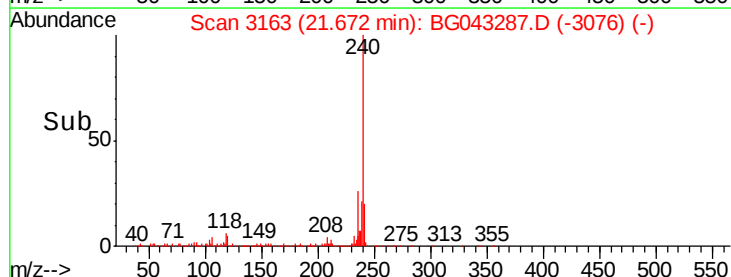
236 26.1 21.4 32.0

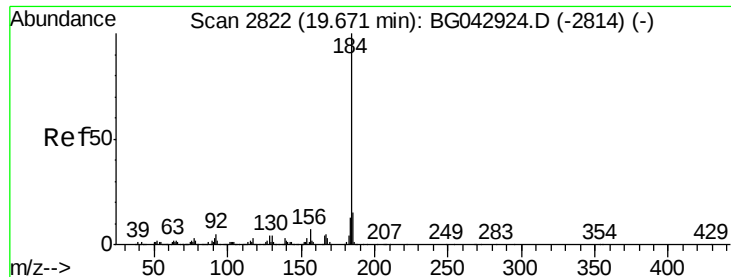


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.678 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

Instrument :

BNA_G

ClientSampleId :

TI-604

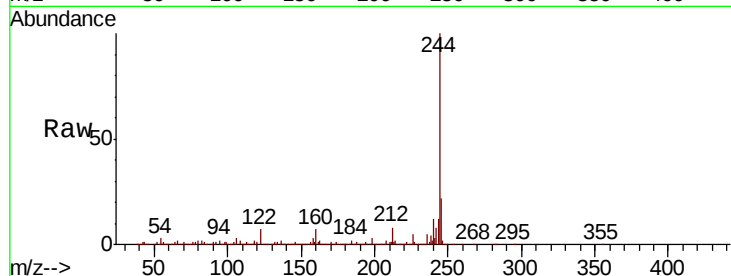
Tot Ion:184 Resp: 21278

Ion Ratio Lower Upper

184 100

185 17.7 11.8 17.8

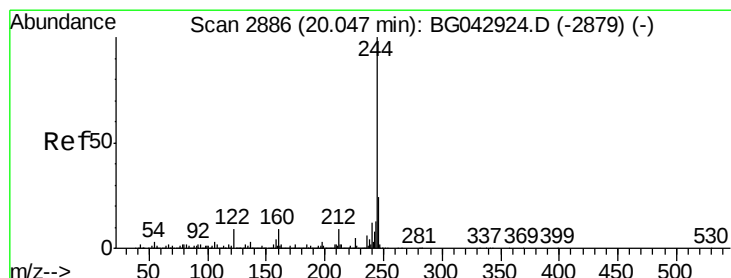
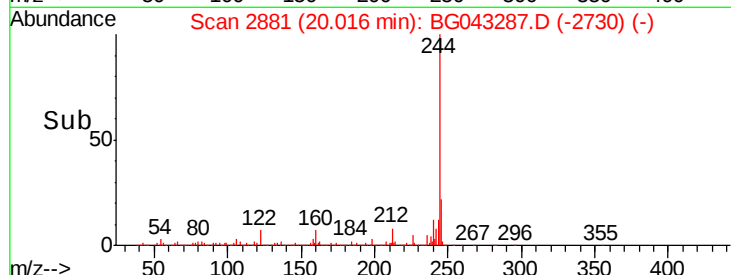
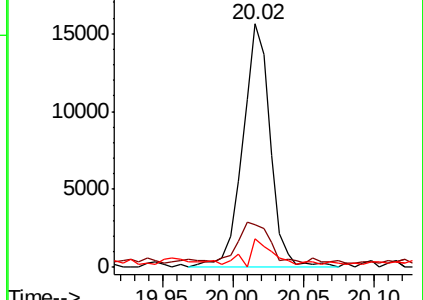
183 11.6 10.1 15.1



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: 93.770 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

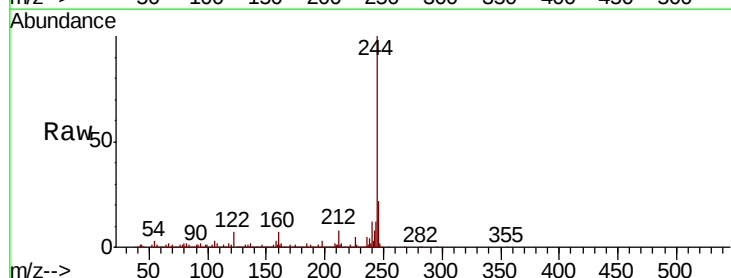
Tgt Ion:244 Resp: 1396627

Ion Ratio Lower Upper

244 100

212 7.6 7.4 11.0

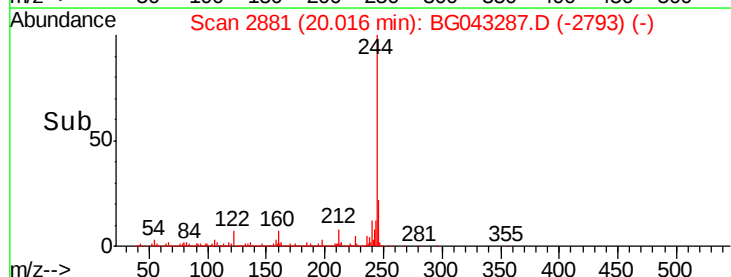
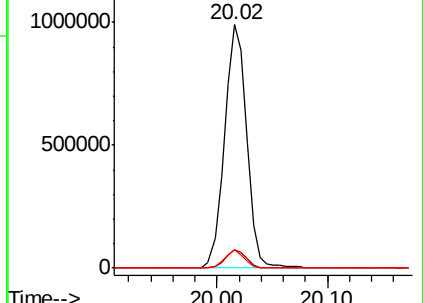
122 7.3 7.0 10.4

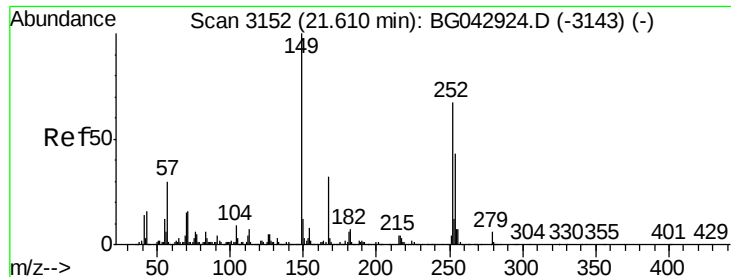


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.172 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

Instrument :

BNA_G

ClientSampleId :

TI-604

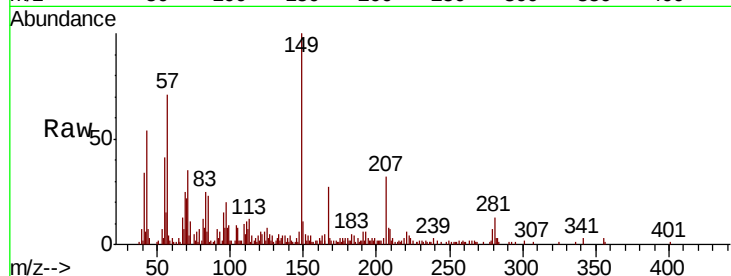
Tot Ion:149 Resp: 22221

Ion Ratio Lower Upper

149 100

167 26.8 25.4 38.2

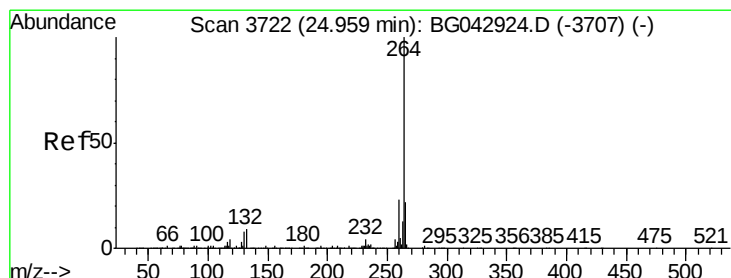
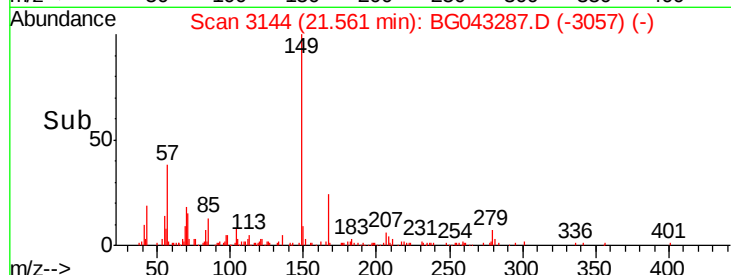
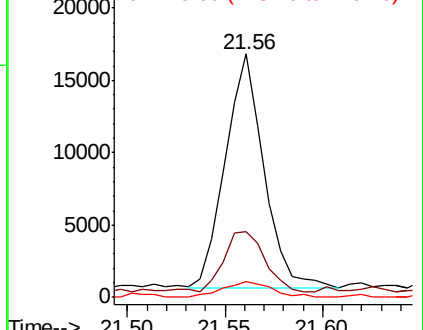
279 6.6 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG043287.D

Acq: 18 Oct 2019 22:35

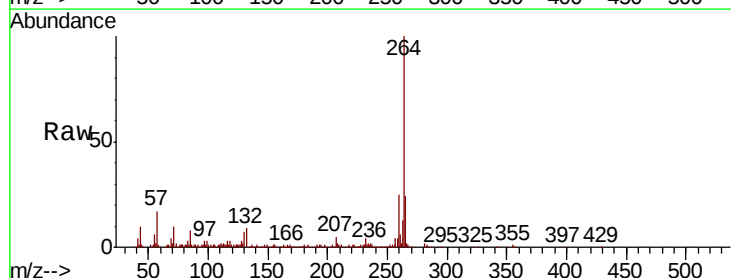
Tgt Ion:264 Resp: 378670

Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

265 23.6 17.7 26.5



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

