

Data File : BG037963.D
Acq On : 13 Nov 2018 3:19
Operator : JU/SJ
Sample : J5860-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP2-SB-109(17-18)DL

Quant Time: Nov 13 04:31:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	51045	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	220206	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	151033	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	327556	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	291160	20.00	ng	-0.02
87) Perylene-d12	25.09	264	233151	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	105953	34.70	ng	-0.01
7) Phenol-d6	7.24	99	168809	36.56	ng	-0.01
23) Nitrobenzene-d5	9.27	82	92585	23.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	38863	23.59	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	227016	22.67	ng	-0.02
79) Terphenyl-d14	20.07	244	331016	24.29	ng	-0.02

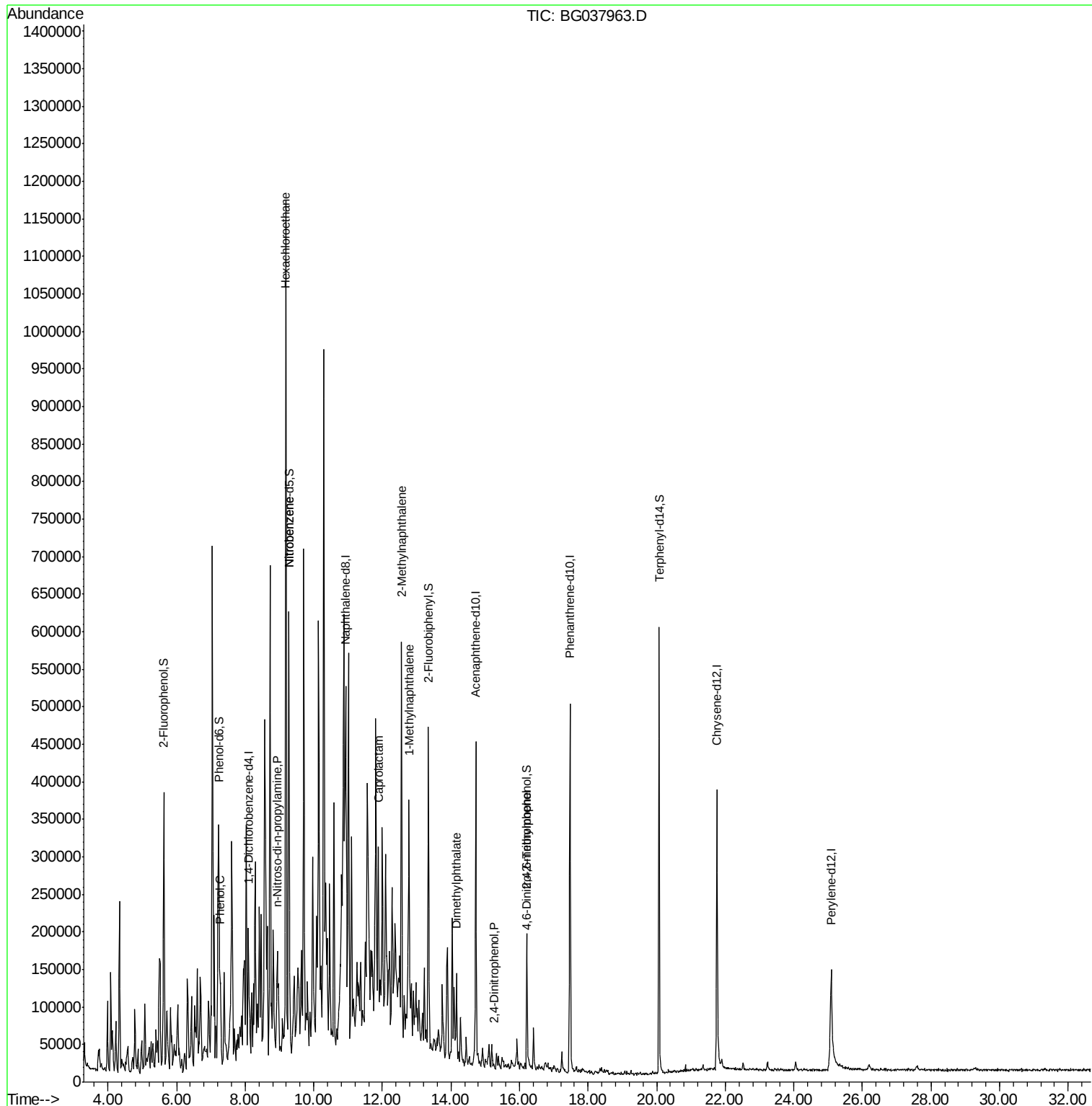
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.26	94	12208	2.506	ng	97
18) Hexachloroethane	9.19	117	126265	91.056	ng	# 1
19) n-Nitroso-di-n-propylamine	8.93	70	16614	5.226	ng	# 47
24) Nitrobenzene	9.28	77	13722	3.360	ng	# 1
35) Caprolactam	11.88	113	7474	5.096	ng	# 1
37) 2-Methylnaphthalene	12.56	142	253653	32.172	ng	98
38) 1-Methylnaphthalene	12.78	142	154609	20.192	ng	99
50) Dimethylphthalate	14.17	163	43677	3.738	ng	96
54) 2,4-Dinitrophenol	15.28	184	54	6.196	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.20	198	54	8.533	ng	# 1

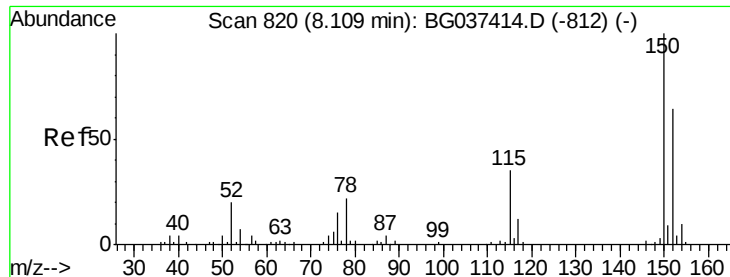
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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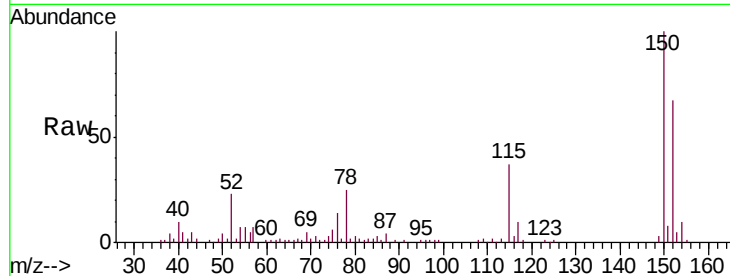


#1

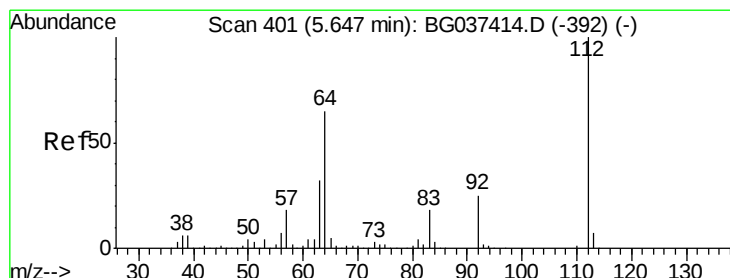
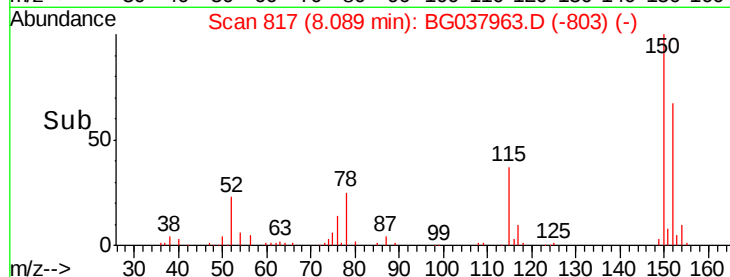
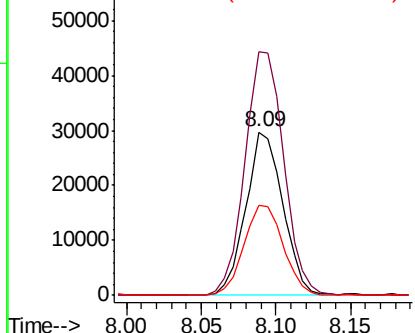
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

Instrument :
BNA_G
ClientSampleId :
EP2-SB-109(17-18)DL

Tgt Ion:152 Resp: 51045
Ion Ratio Lower Upper
152 100
150 149.4 126.0 189.0
115 55.2 45.5 68.3



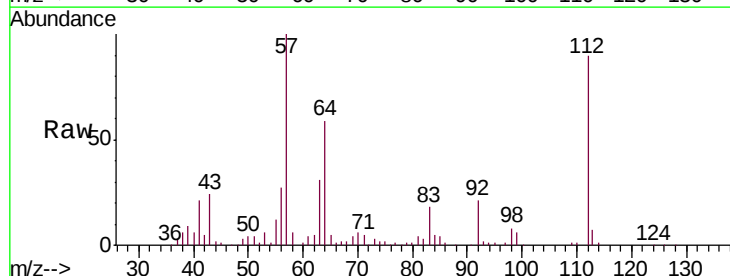
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



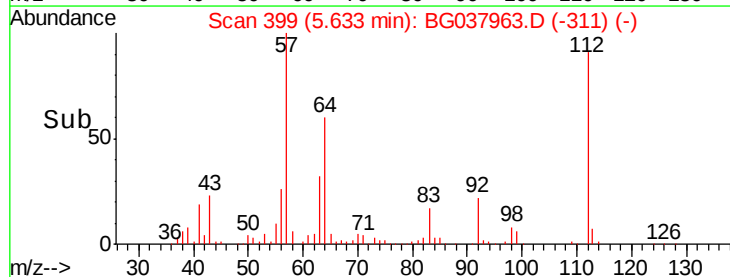
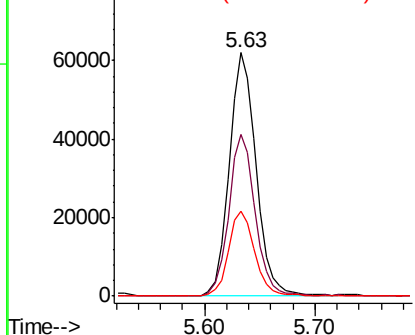
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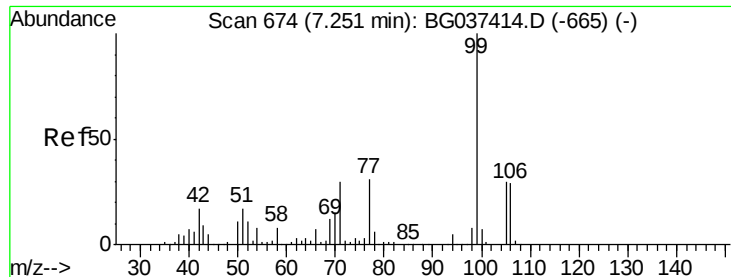
2-Fluorophenol
Concen: 34.702 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

Tgt Ion:112 Resp: 105953
Ion Ratio Lower Upper
112 100
64 66.2 53.1 79.7
63 34.7 27.3 40.9



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: 36.564 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

Instrument :

BNA_G

ClientSampleId :

EP2-SB-109(17-18)DL

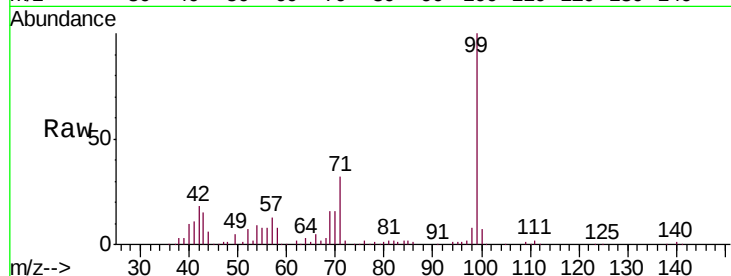
Tgt Ion: 99 Resp: 168809

Ion Ratio Lower Upper

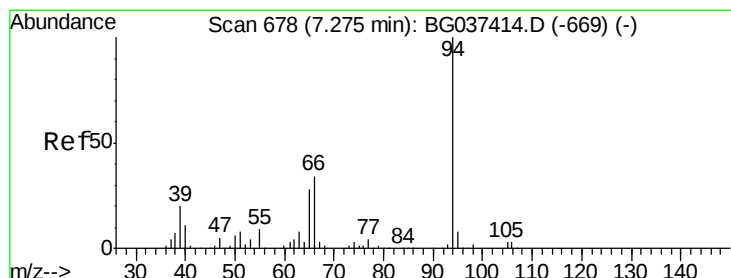
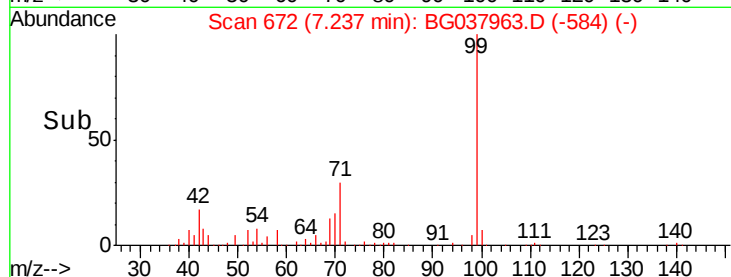
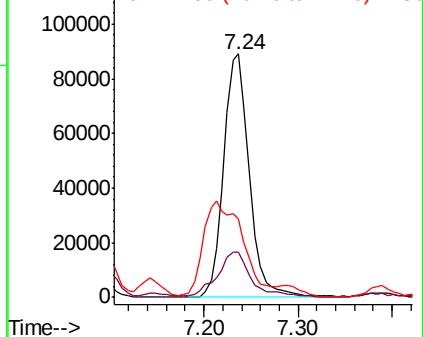
99 100

42 18.3 15.0 22.4

71 32.0 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.506 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

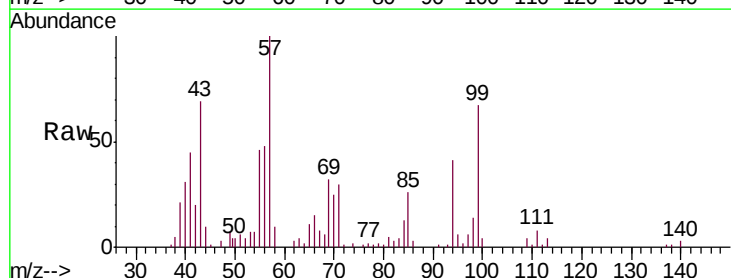
Tgt Ion: 94 Resp: 12208

Ion Ratio Lower Upper

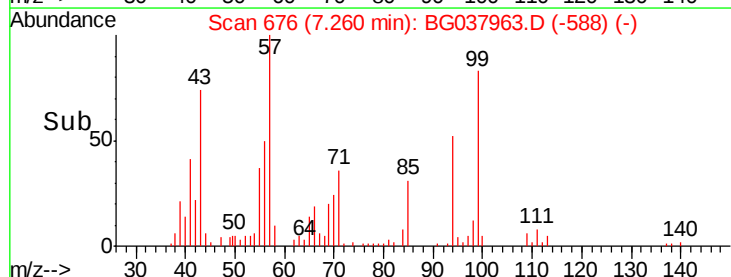
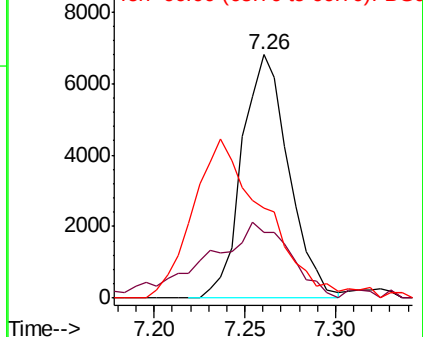
94 100

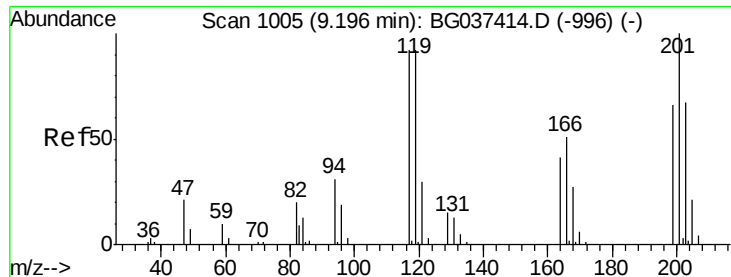
65 27.0 9.7 49.7

66 37.0 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

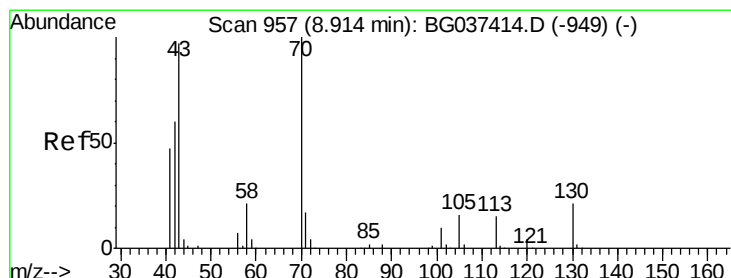
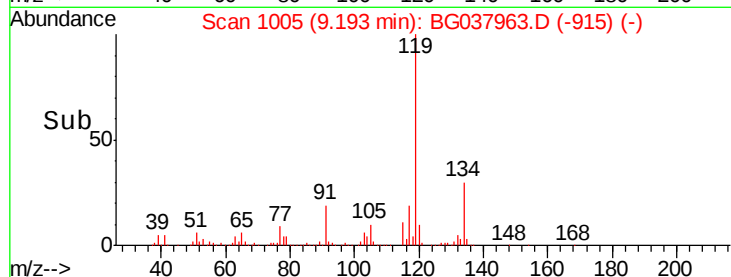
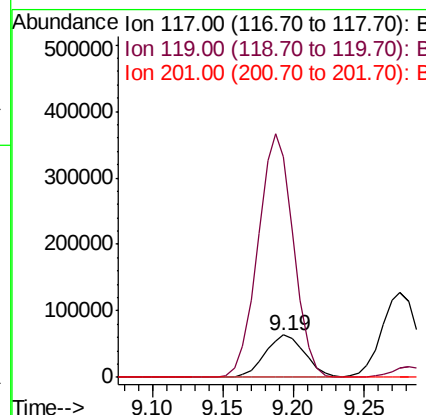
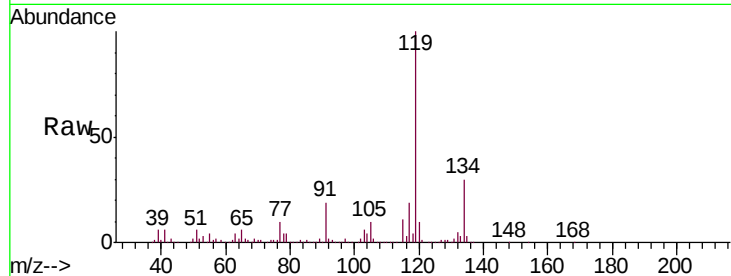




#18
Hexachloroethane
Concen: 91.056 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

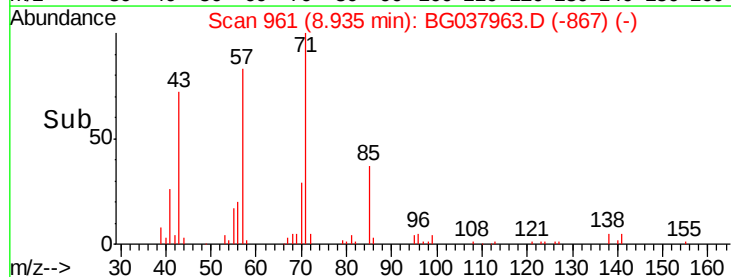
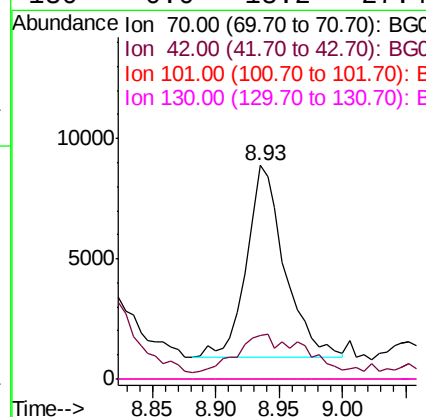
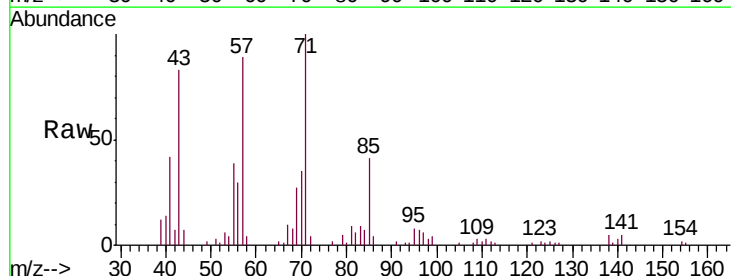
Instrument :
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EP2-SB-109(17-18)DL

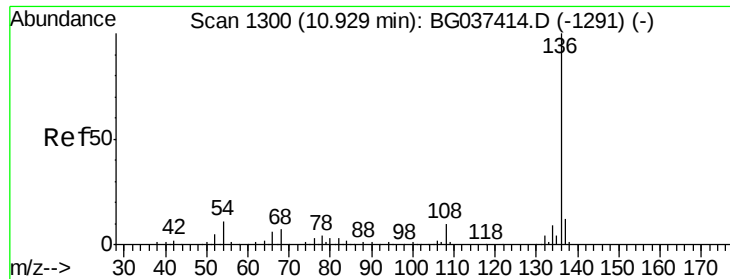
Tgt Ion: 117 Resp: 126265
Ion Ratio Lower Upper
117 100
119 519.3 74.6 111.8#
201 0.0 80.8 121.2#



#19
n-Nitroso-di-n-propylamine
Concen: 5.226 ng
RT: 8.93 min Scan# 961
Delta R.T. 0.02 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

Tgt Ion: 70 Resp: 16614
Ion Ratio Lower Upper
70 100
42 20.5 53.9 80.9#
101 0.0 8.2 12.2#
130 0.0 18.2 27.4#

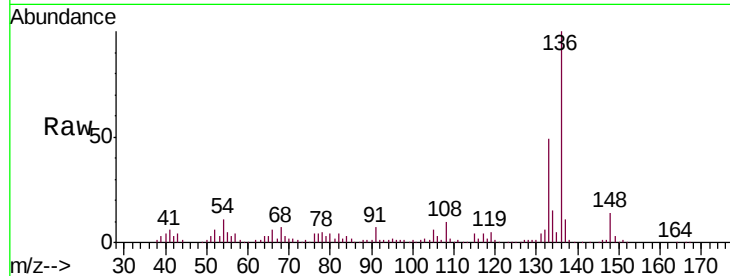




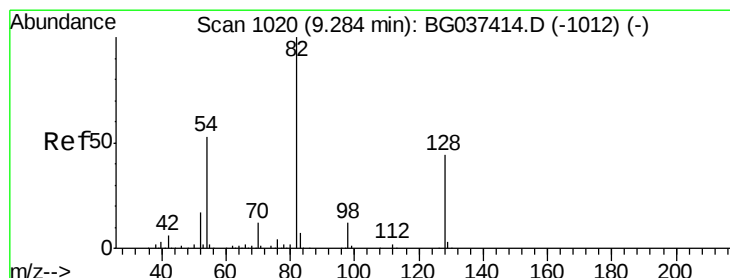
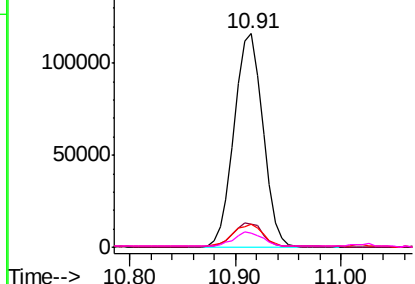
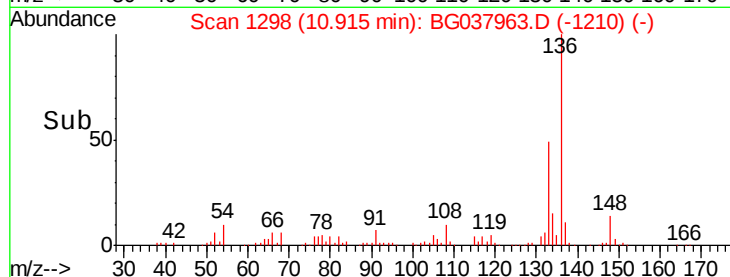
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

Instrument :
BNA_G
ClientSampleId :
EP2-SB-109(17-18)DL

Tgt Ion:	136	Resp:	220206
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	11.0	7.9	11.9
68	6.8	4.8	7.2

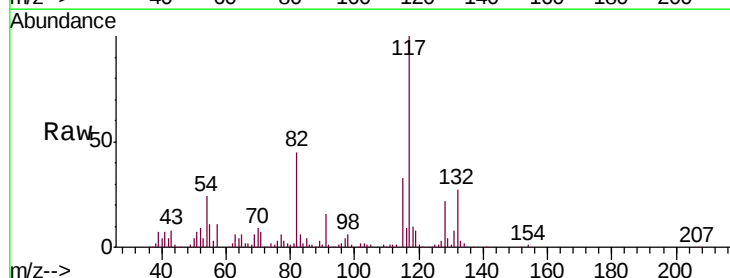


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

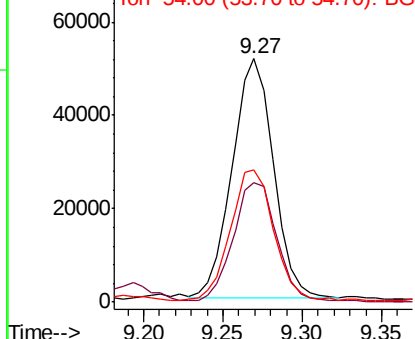
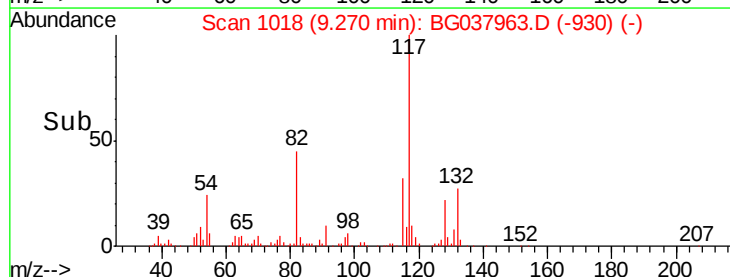


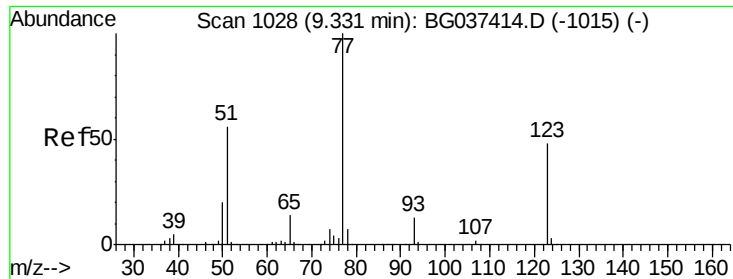
#23
Nitrobenzene-d5
Concen: 23.553 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037963.D
Acq: 13 Nov 2018 3:19

Tgt Ion:	82	Resp:	92585
Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.6	51.8
54	54.1	45.3	67.9



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

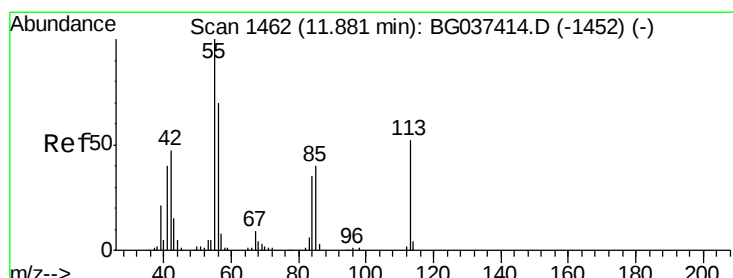
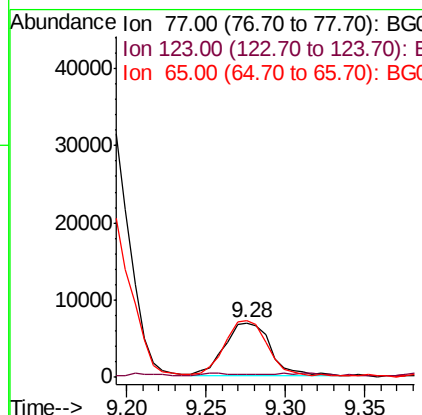
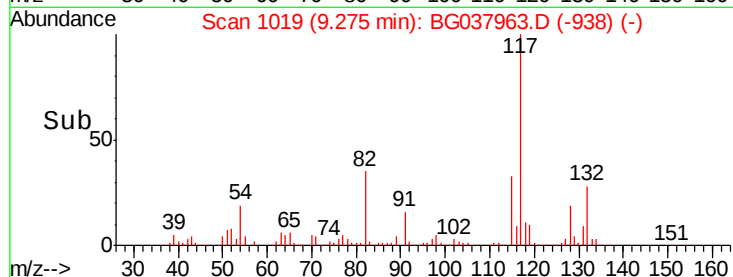
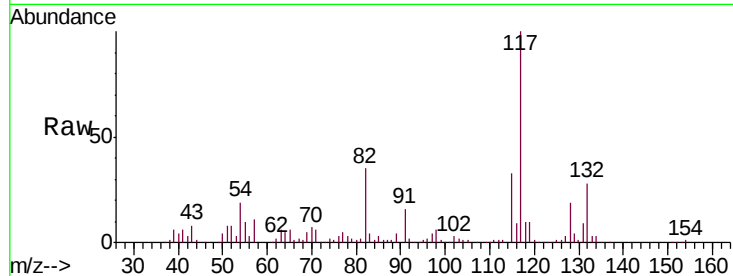




#24
 Nitrobenzene
 Concen: 3.360 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.06 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

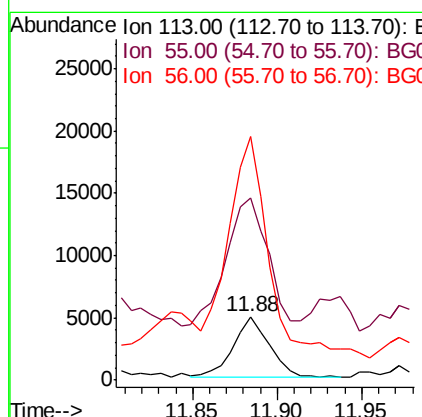
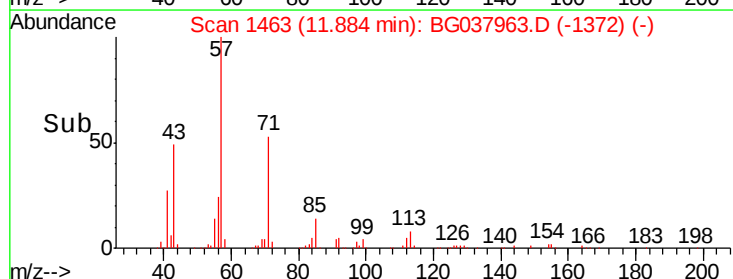
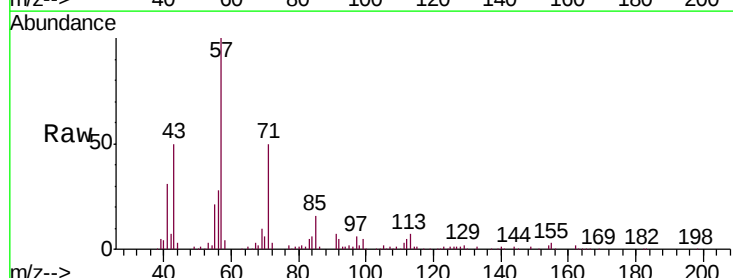
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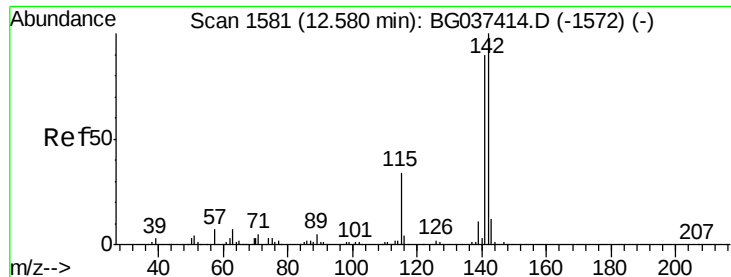
Tgt Ion: 77 Resp: 13722
 Ion Ratio Lower Upper
 77 100
 123 5.6 33.6 50.4#
 65 104.3 11.3 16.9#



#35
 Caprolactam
 Concen: 5.096 ng
 RT: 11.88 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

Tgt Ion: 113 Resp: 7474
 Ion Ratio Lower Upper
 113 100
 55 285.3 176.6 216.6#
 56 382.3 128.3 168.3#

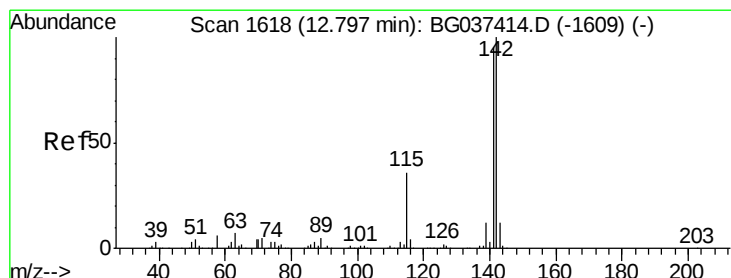
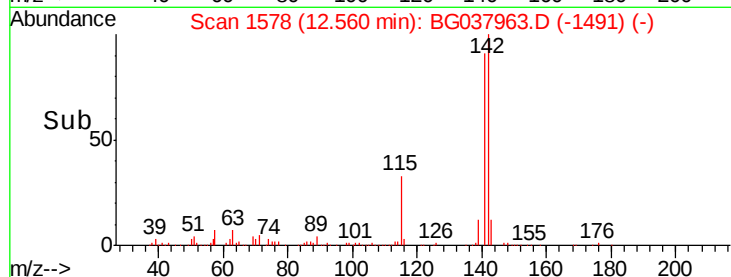
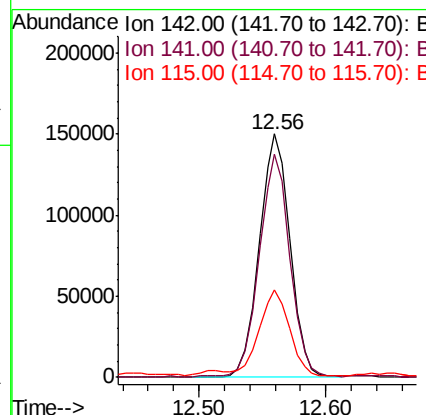
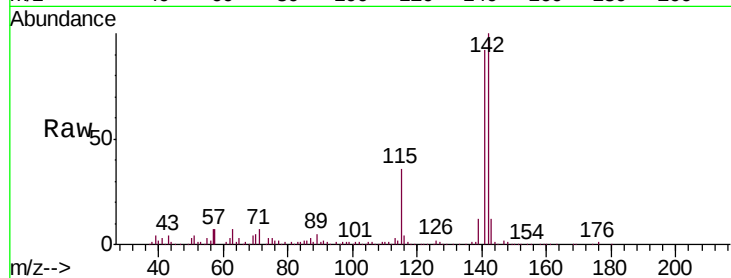




#37
 2-Methylnaphthalene
 Concen: 32.172 ng
 RT: 12.56 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

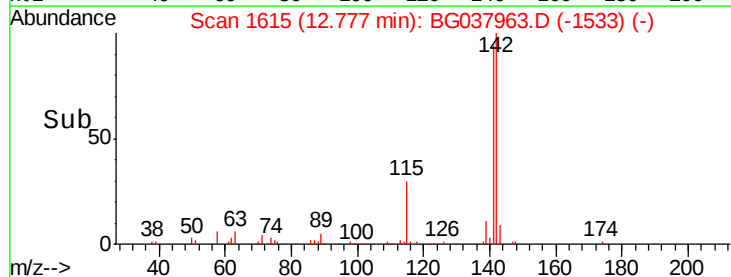
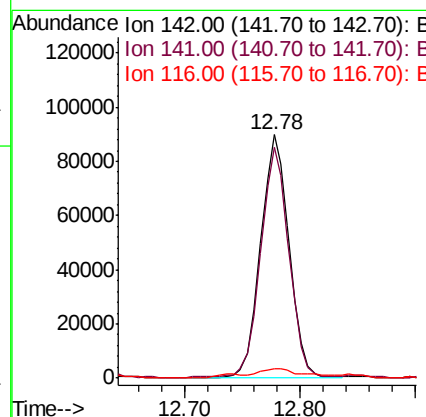
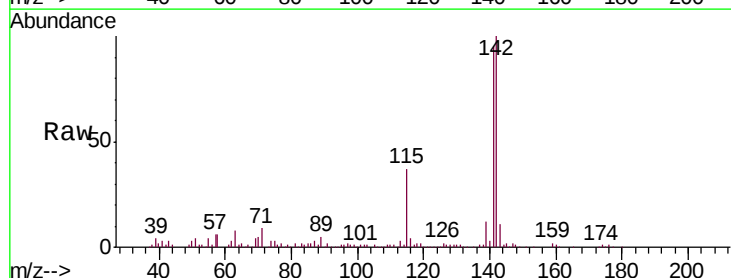
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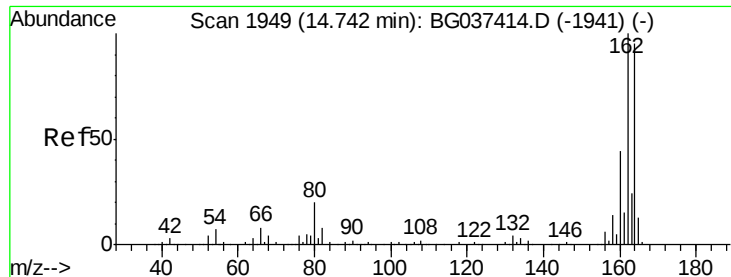
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.9	107.9
115	35.7	27.8	41.8



#38
 1-Methylnaphthalene
 Concen: 20.192 ng
 RT: 12.78 min Scan# 1615
 Delta R.T. -0.02 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.2	112.8
116	3.8	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

Instrument :

BNA_G

ClientSampleId :

EP2-SB-109(17-18)DL

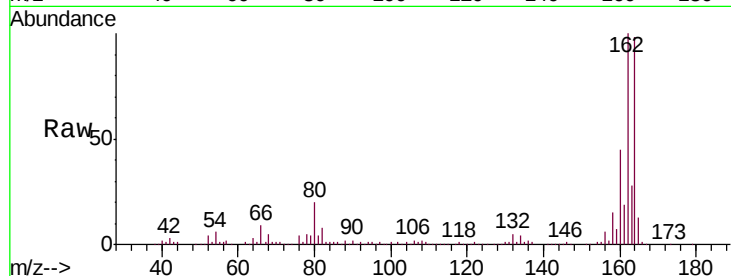
Tgt Ion:164 Resp: 151033

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

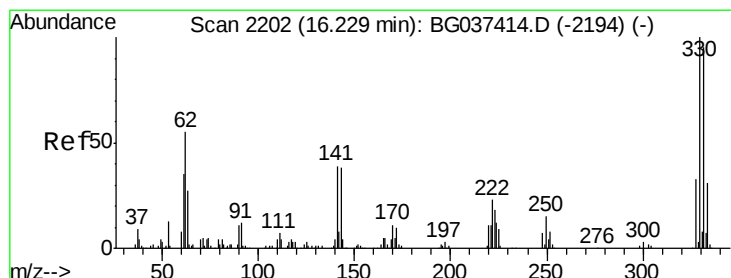
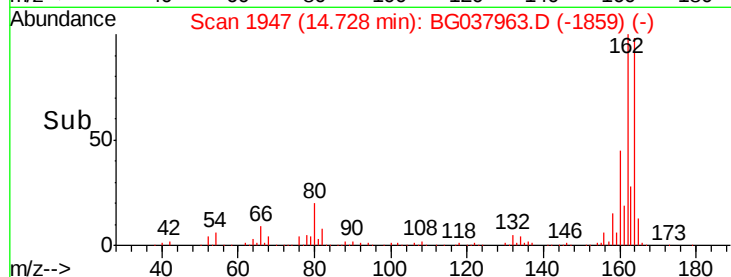
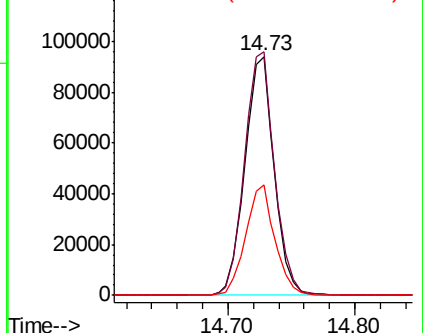
160 46.2 36.3 54.5



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: 23.592 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

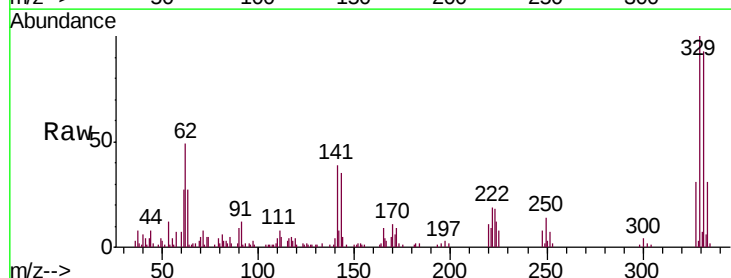
Tgt Ion:330 Resp: 38863

Ion Ratio Lower Upper

330 100

332 100.0 78.4 117.6

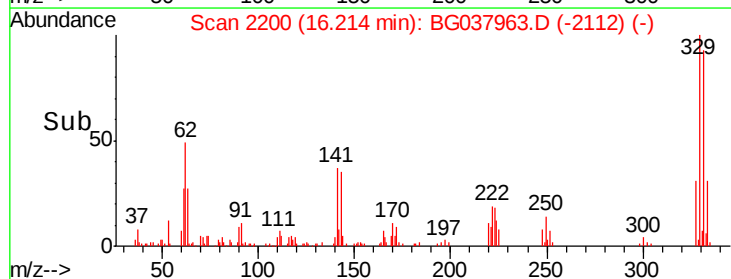
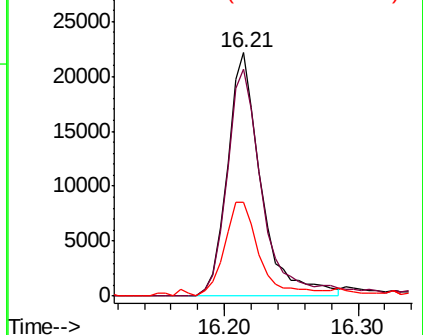
141 40.5 32.2 48.2

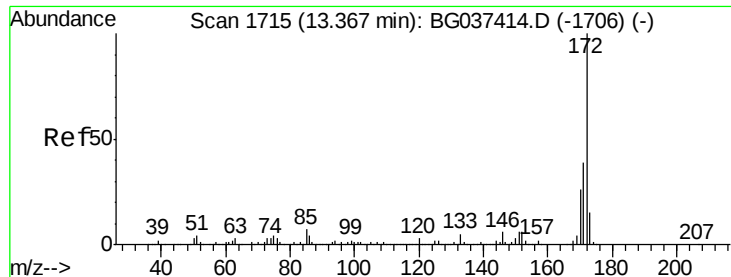


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

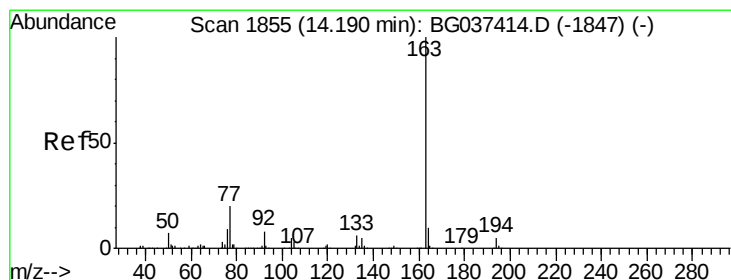
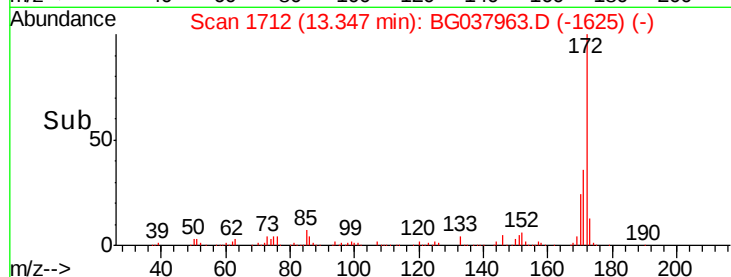
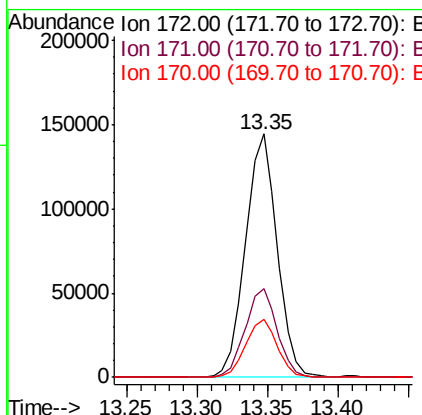
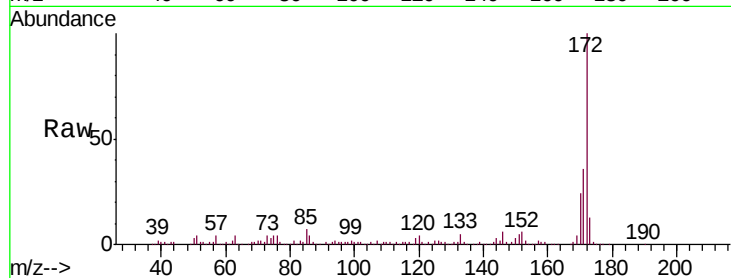




#45
 2-Fluorobiphenyl
 Concen: 22.666 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

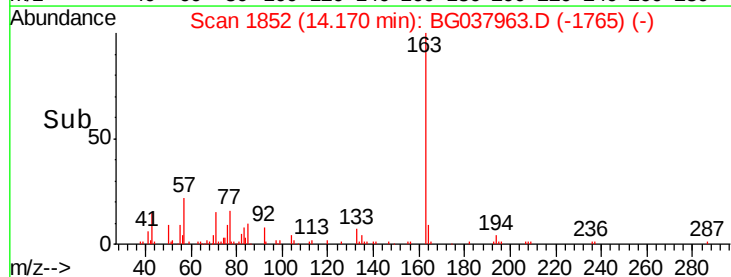
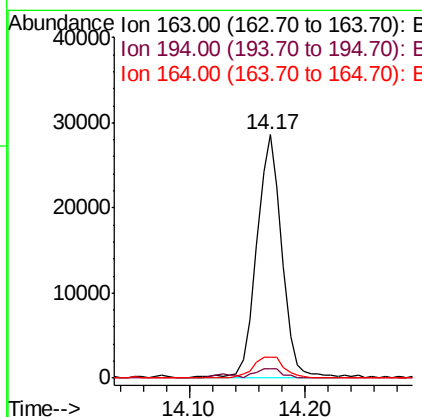
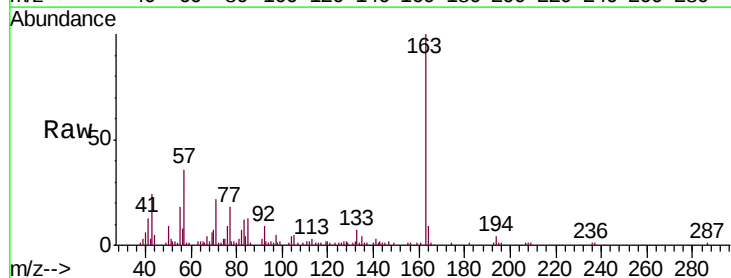
Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-109(17-18)DL

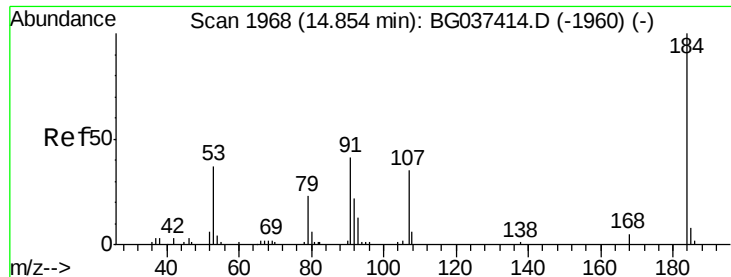
Tgt Ion:	172	Resp:	227016
Ion	Ratio	Lower	Upper
172	100		
171	36.3	31.0	46.4
170	23.6	20.2	30.2



#50
 Dimethylphthalate
 Concen: 3.738 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

Tgt Ion:	163	Resp:	43677
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	8.8	8.5	12.7

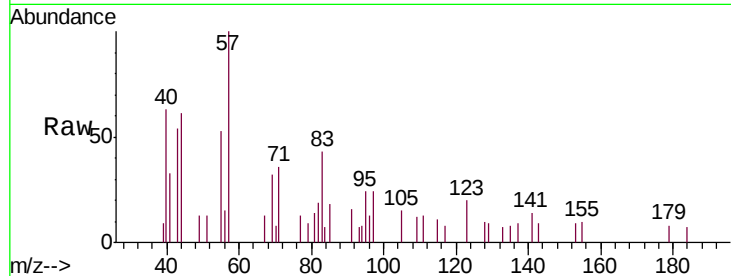




#54
 2,4-Dinitrophenol
 Concen: 6.196 ng
 RT: 15.28 min Scan# 2041
 Delta R.T. 0.43 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-109(17-18)DL

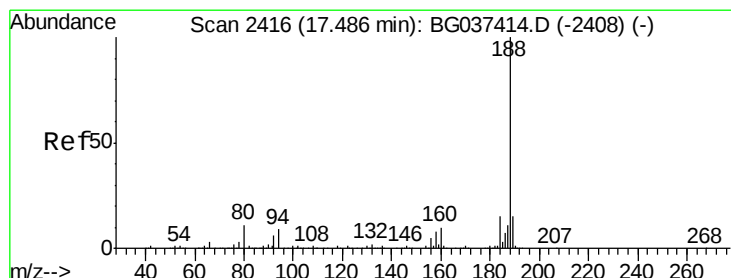
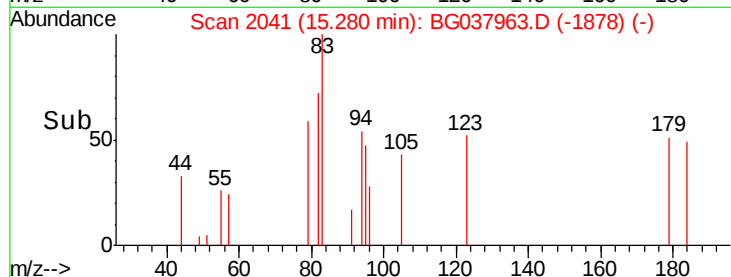
Tgt Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 0.0 42.6 63.8#
 154 0.0 41.8 62.6#



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

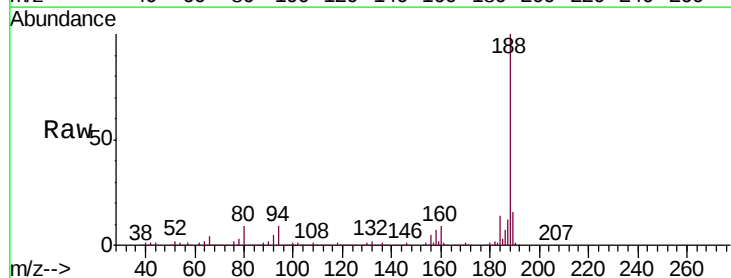
15.28

Time--> 15.26 15.28



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037963.D
 Acq: 13 Nov 2018 3:19

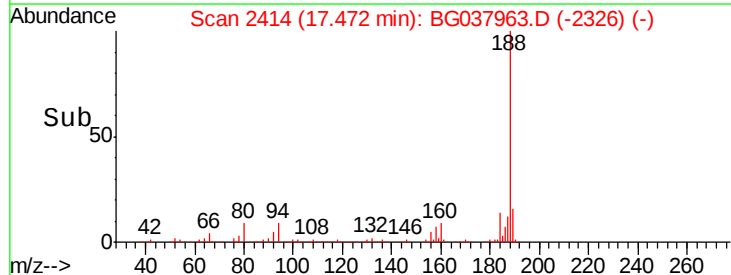
Tgt Ion:188 Resp: 327556
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.2 10.8
 80 9.3 7.7 11.5

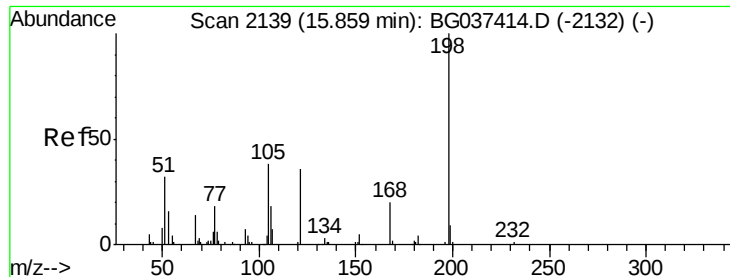


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

17.47

Time--> 17.40 17.50





#65

4,6-Dinitro-2-methylphenol

Concen: 8.533 ng

RT: 16.20 min Scan# 2197

Delta R.T. 0.34 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

Instrument :

BNA_G

ClientSampleId :

EP2-SB-109(17-18)DL

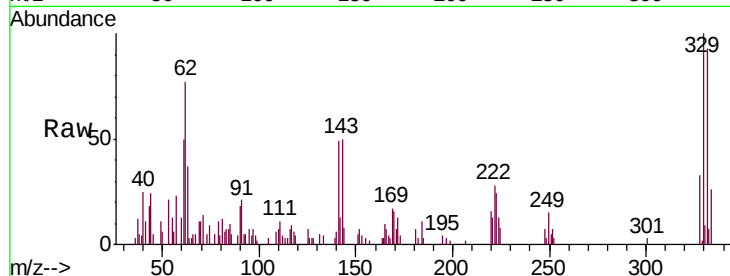
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 22.7 62.7#

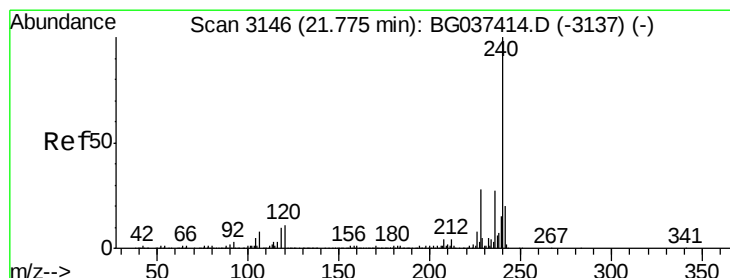
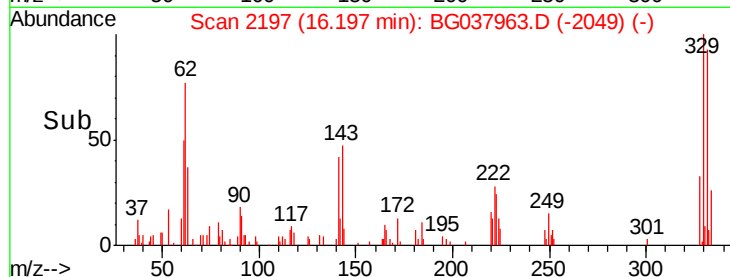
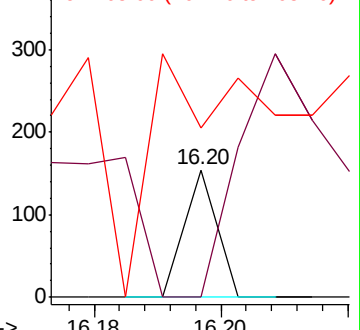
105 133.1 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

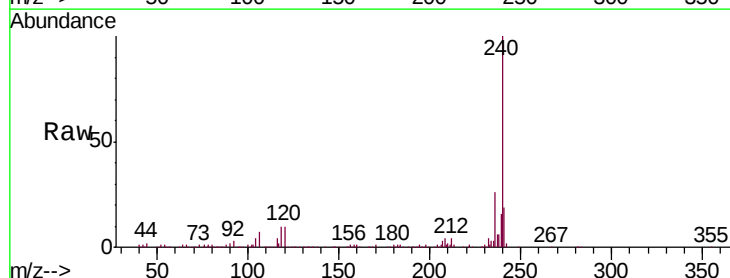
Tgt Ion:240 Resp: 291160

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

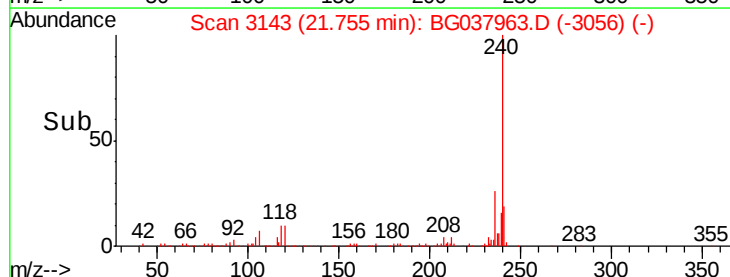
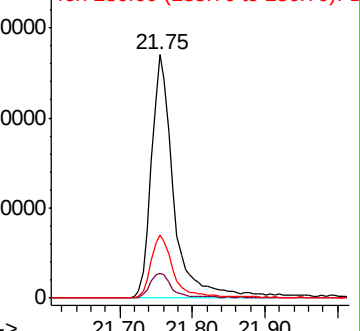
236 25.8 21.4 32.0

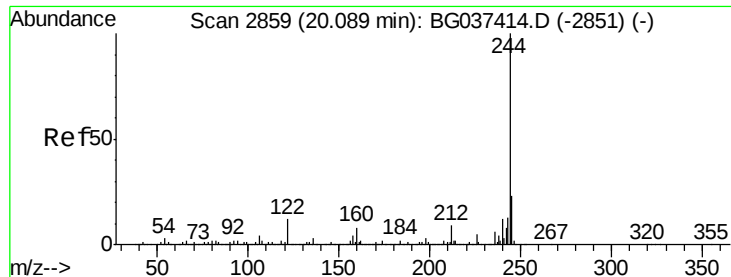


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 24.293 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

Instrument :

BNA_G

ClientSampleId :

EP2-SB-109(17-18)DL

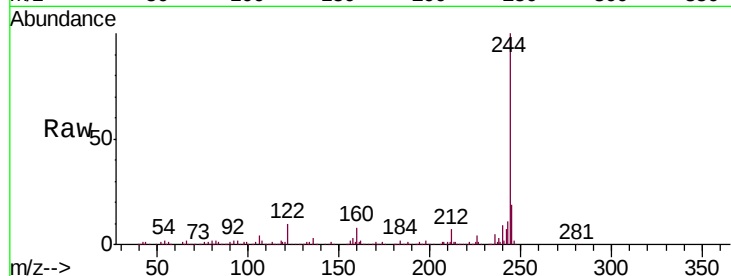
Tgt Ion:244 Resp: 331016

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

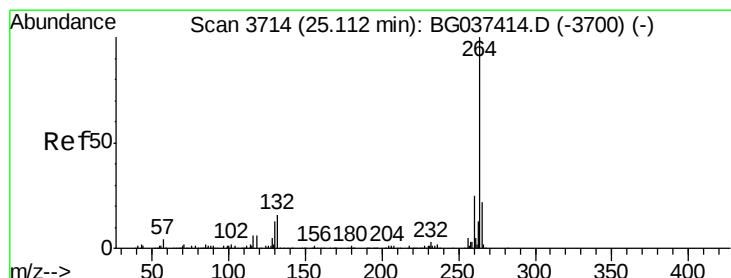
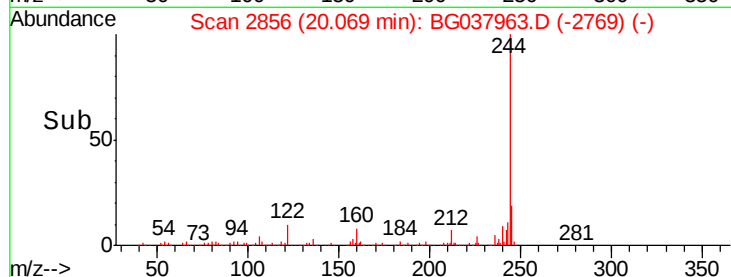
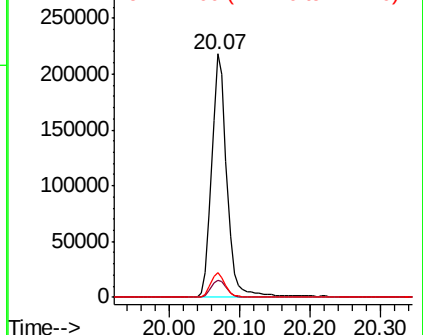
122 10.3 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037963.D

Acq: 13 Nov 2018 3:19

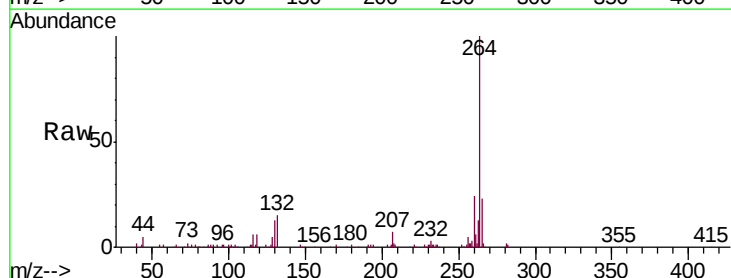
Tgt Ion:264 Resp: 233151

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.8 17.9 26.9



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

