

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044806.D
 Acq On : 14 Mar 2020 22:20
 Operator : CG/JU
 Sample : L1873-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Mar 16 01:39:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	103600	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	421403	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	276348	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	581232	20.00	ng	0.00
76) Chrysene-d12	21.70	240	511272	20.00	ng	-0.01
87) Perylene-d12	24.91	264	573369	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	767193	115.28	ng	0.00
7) Phenol-d6	7.21	99	1016909	105.17	ng	0.00
23) Nitrobenzene-d5	9.21	82	840902	87.56	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	476085	131.58	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1669115	86.49	ng	0.00
79) Terphenyl-d14	20.04	244	2431389	88.96	ng	0.00

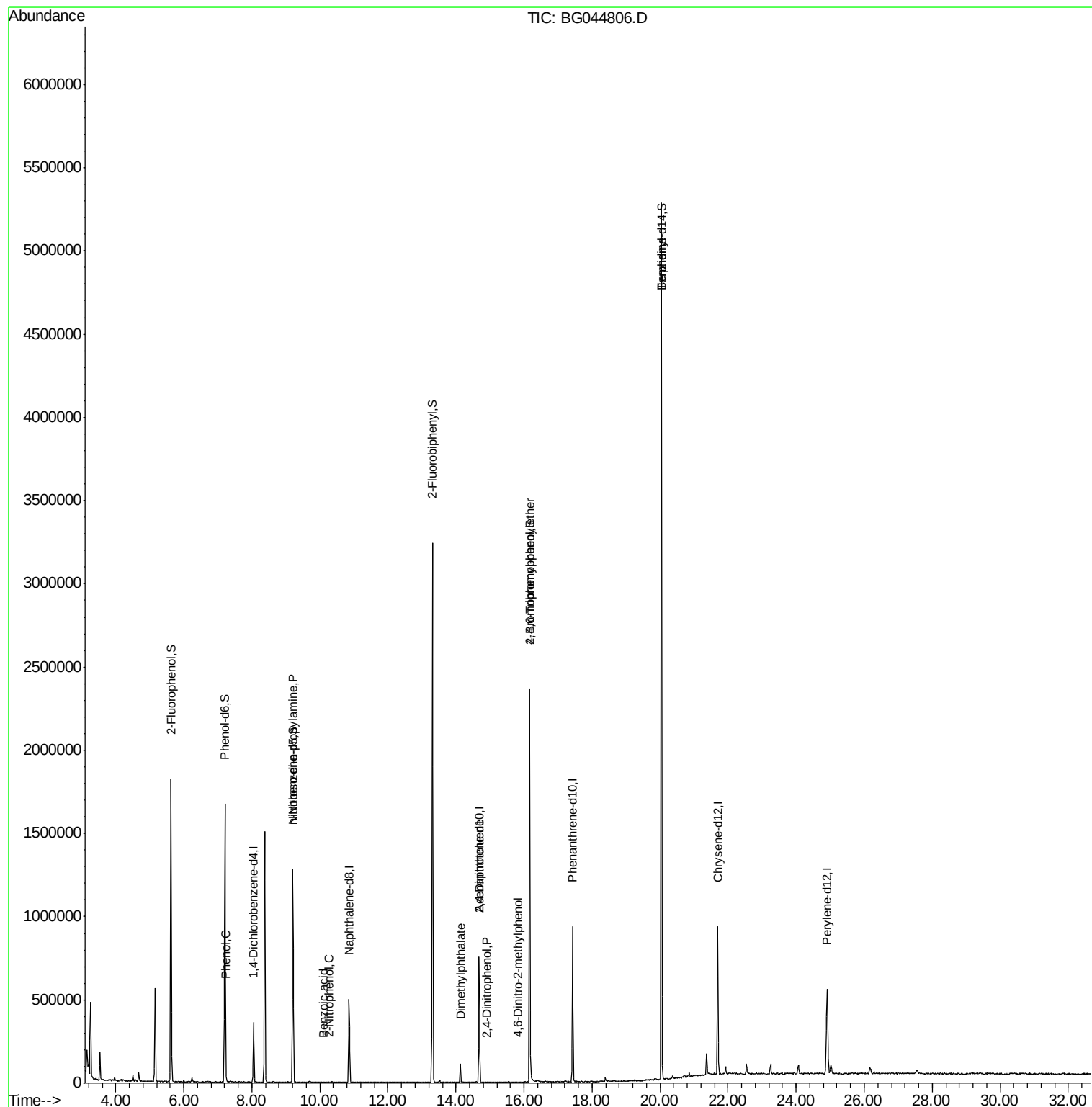
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2015	Below Cal	#	6
10) Phenol	7.23	94	21693	2.27	ng	87
19) n-Nitroso-di-n-propylamine	9.21	70	113130	16.57	ng	74
26) 2-Nitrophenol	10.26	139	68	5.53	ng	28
32) Benzoic acid	10.12	122	81	9.68	ng	1
50) Dimethylphthalate	14.13	163	72147	3.28	ng	97
54) 2,4-Dinitrophenol	14.89	184	91	8.36	ng	2
57) 2,4-Dinitrotoluene	14.68	165	35781	5.88	ng	17
65) 4,6-Dinitro-2-methylphenol	15.81	198	56	7.75	ng	1
67) 4-Bromophenyl-phenylether	16.17	248	33047	4.55	ng	1
77) Benzidine	20.04	184	49634	2.99	ng	87

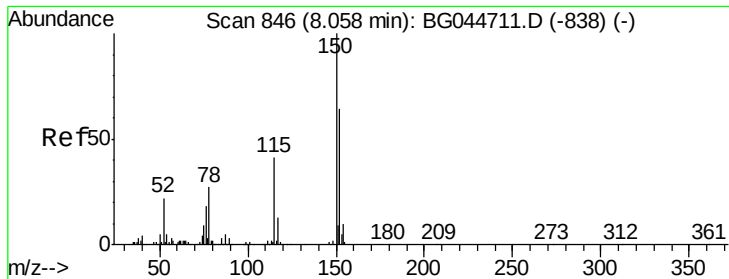
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
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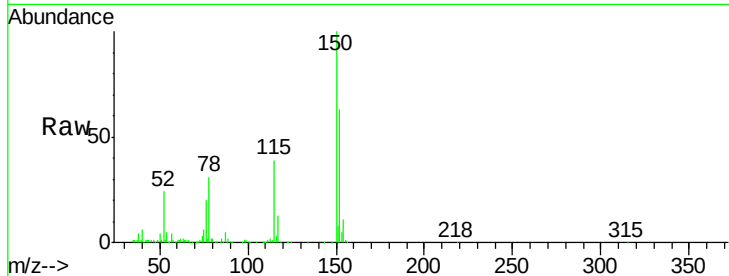


#1

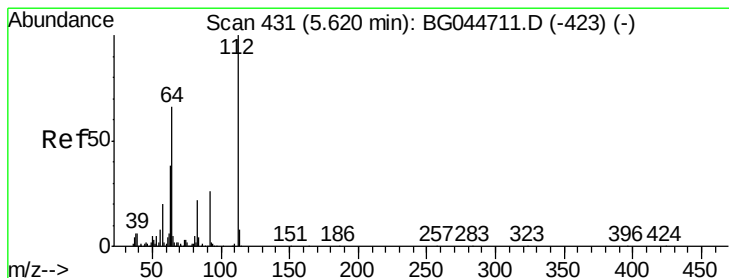
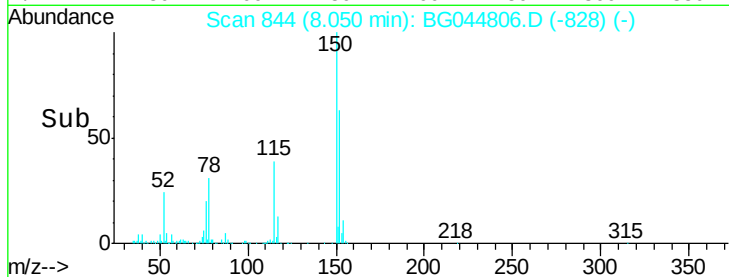
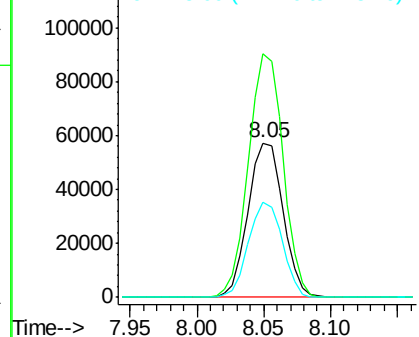
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 103600
Ion Ratio Lower Upper
152 100
150 157.6 125.3 187.9
115 61.5 51.7 77.5



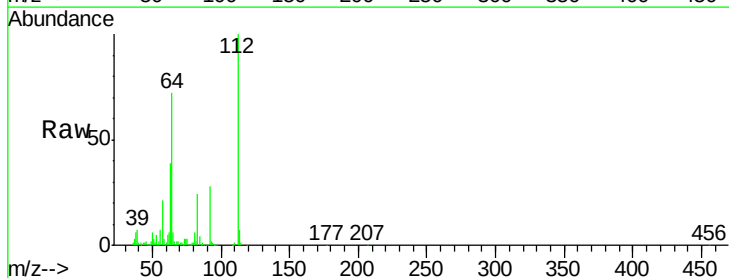
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



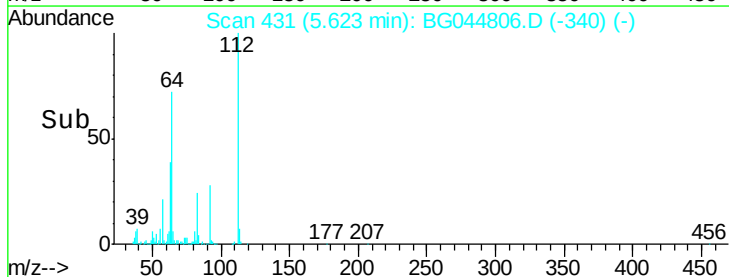
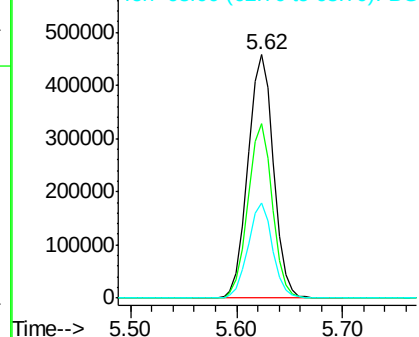
#5

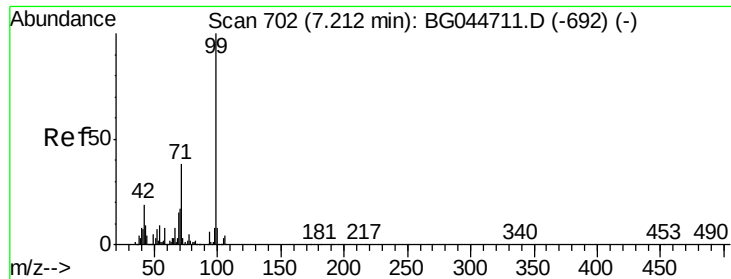
2-Fluorophenol
Concen: 115.28 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Tgt Ion:112 Resp: 767193
Ion Ratio Lower Upper
112 100
64 71.7 52.6 78.8
63 39.1 30.2 45.4



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: 105.17 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

Instrument :

BNA_G

ClientSampleId :

TP-3

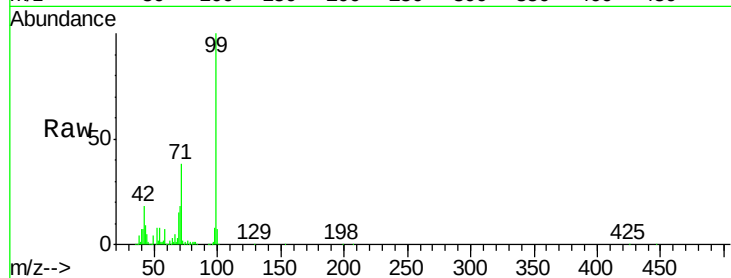
Tgt Ion: 99 Resp: 1016909

Ion Ratio Lower Upper

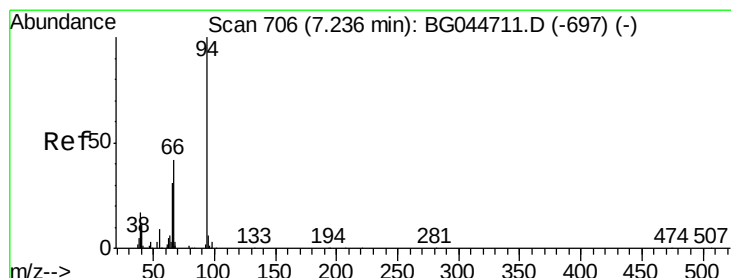
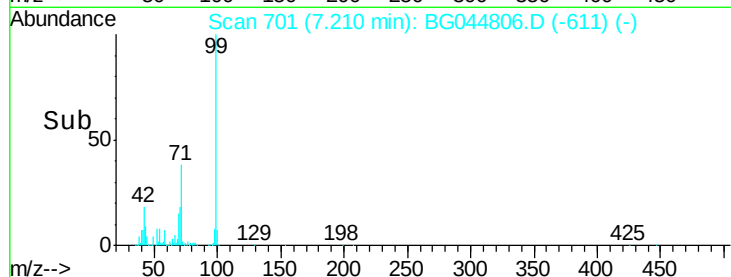
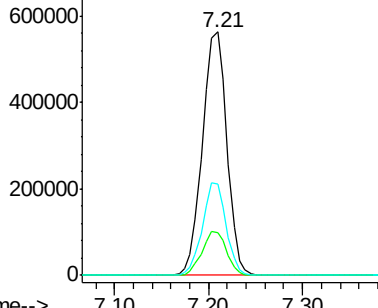
99 100

42 17.7 15.4 23.0

71 37.7 30.2 45.4



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: 2.27 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

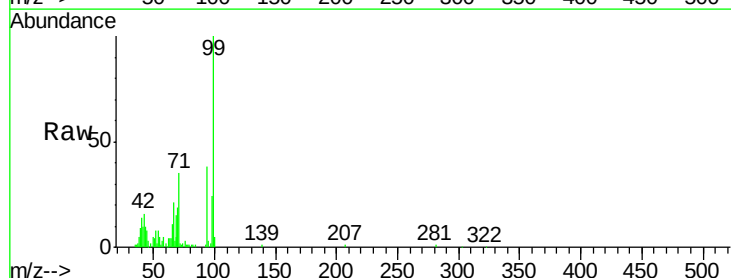
Tgt Ion: 94 Resp: 21693

Ion Ratio Lower Upper

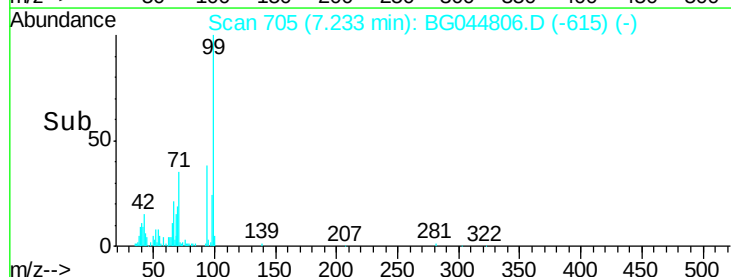
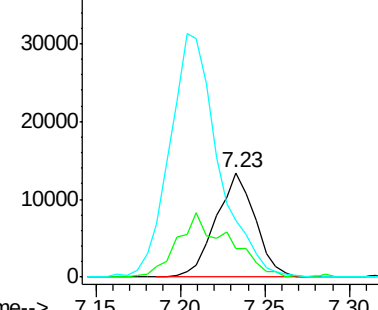
94 100

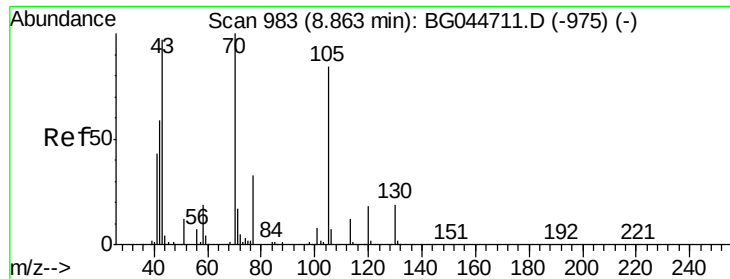
65 27.5 11.3 51.3

66 54.1 22.9 62.9



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

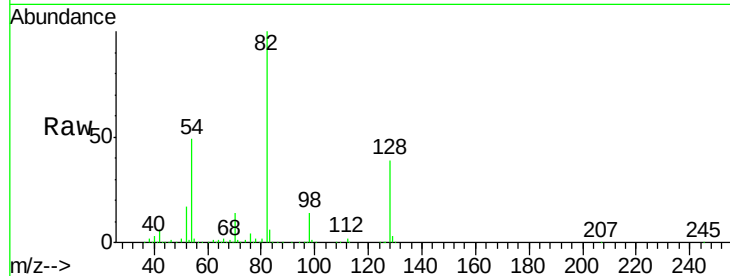




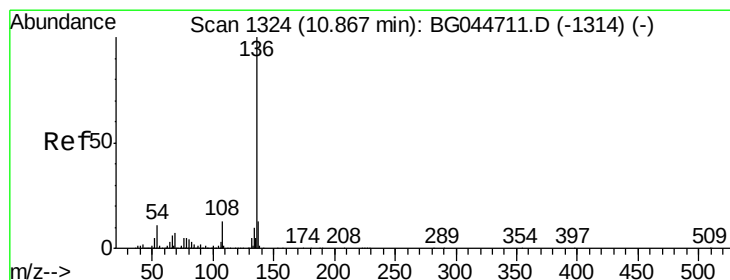
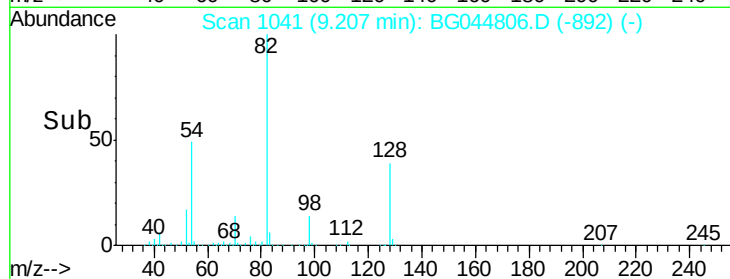
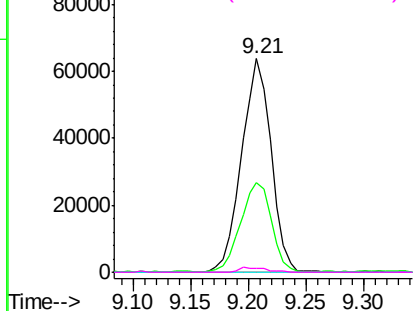
#19
n-Nitroso-di-n-propylamine
Concen: 16.57 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Instrument :
BNA_G
ClientSampled :
TP-3

Tgt Ion: 70 Resp: 113130
Ion Ratio Lower Upper
70 100
42 42.2 47.6 71.4#
101 0.0 6.5 9.7#
130 1.9 15.0 22.4#

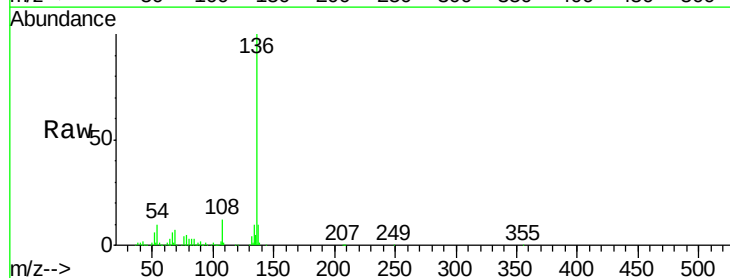


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

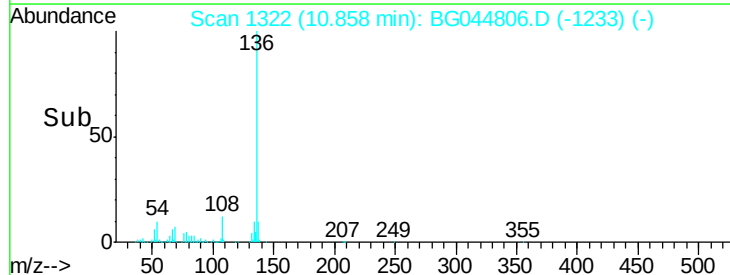
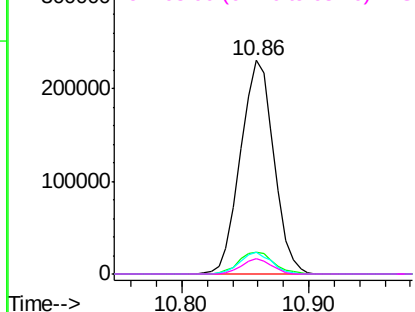


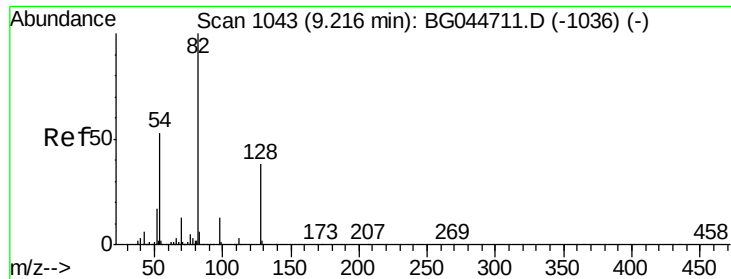
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Tgt Ion: 136 Resp: 421403
Ion Ratio Lower Upper
136 100
137 10.4 10.7 16.1#
54 10.2 9.0 13.4
68 6.9 5.9 8.9



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

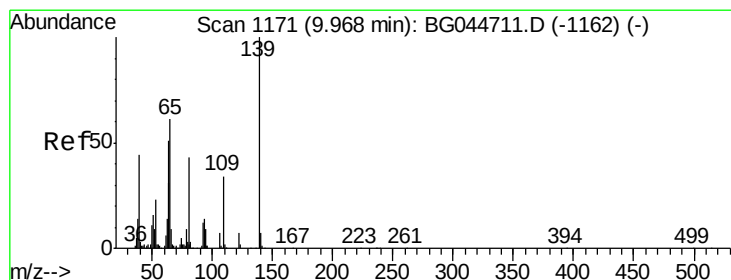
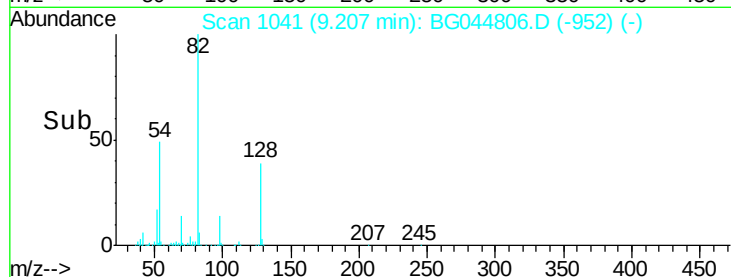
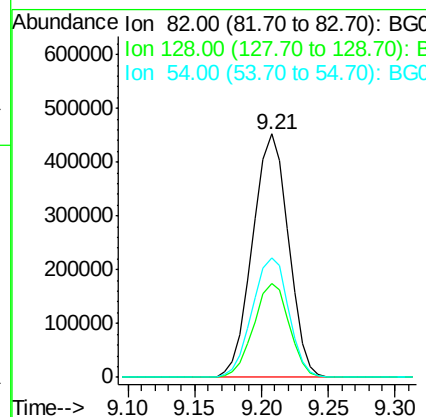
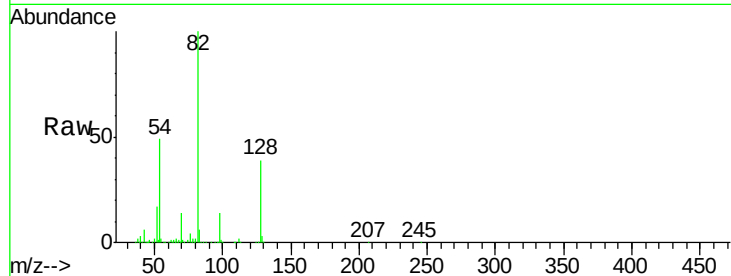




#23
 Nitrobenzene-d5
 Concen: 87.56 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG044806.D
 Acq: 14 Mar 2020 22:20

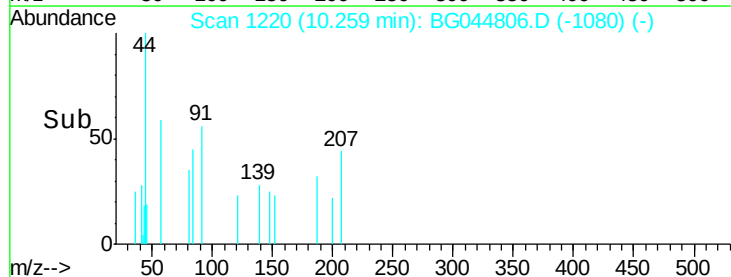
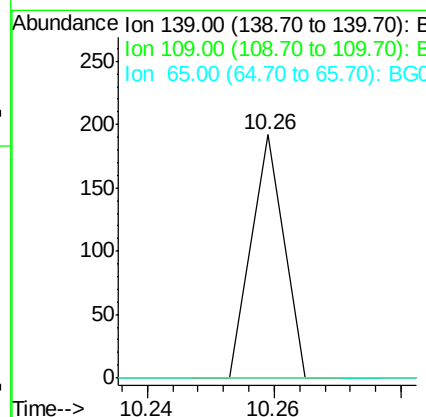
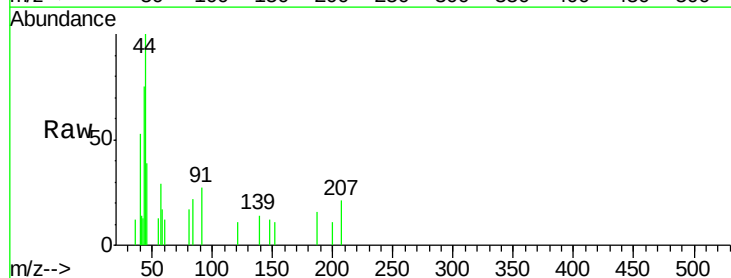
Instrument :
 BNA_G
 ClientSampled :
 TP-3

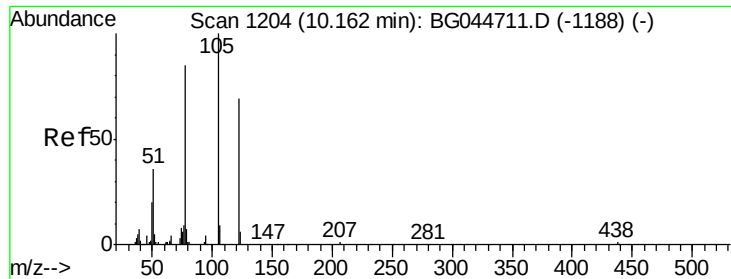
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.2	45.2
54	48.9	41.8	62.8



#26
 2-Nitrophenol
 Concen: 5.53 ng
 RT: 10.26 min Scan# 1220
 Delta R.T. 0.29 min
 Lab File: BG044806.D
 Acq: 14 Mar 2020 22:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#





#32

Benzoic acid

Concen: 9.68 ng

RT: 10.12 min Scan# 1196

Delta R.T. -0.04 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

Instrument :

BNA_G

ClientSampled :

TP-3

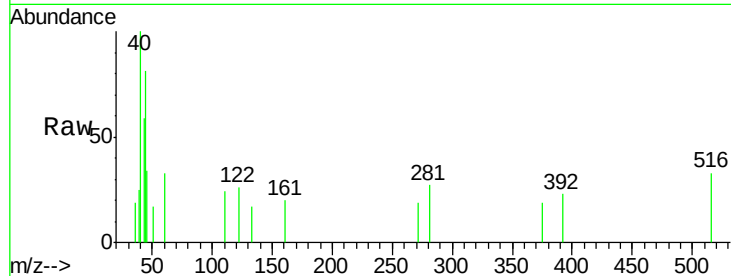
Tgt Ion:122 Resp: 81

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

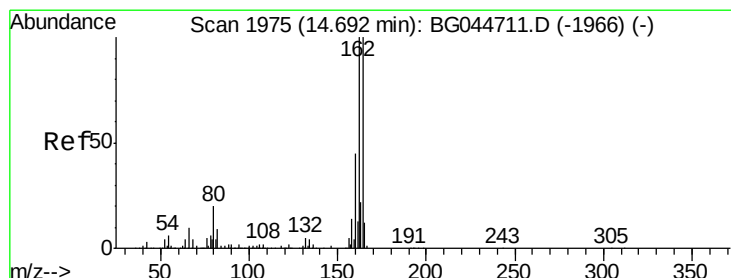
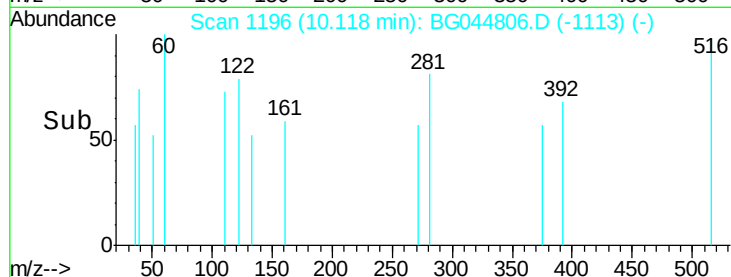
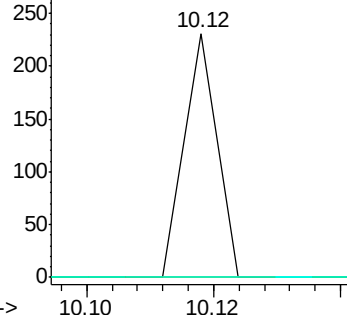
77 0.0 96.4 136.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

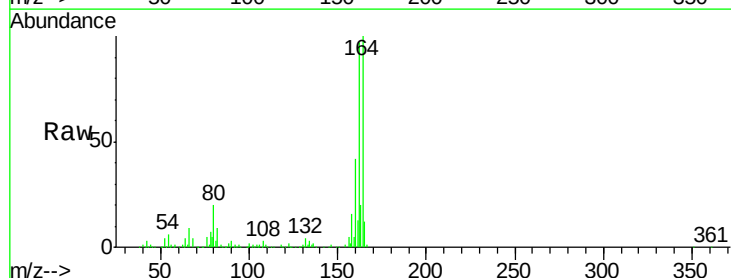
Tgt Ion:164 Resp: 276348

Ion Ratio Lower Upper

164 100

162 96.9 80.2 120.4

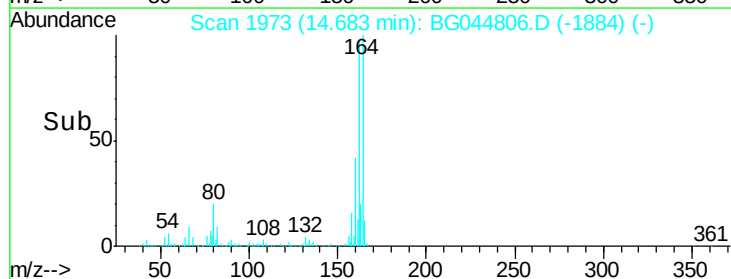
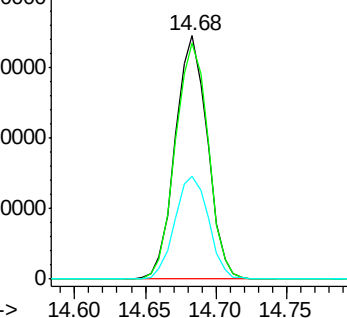
160 42.0 36.2 54.2

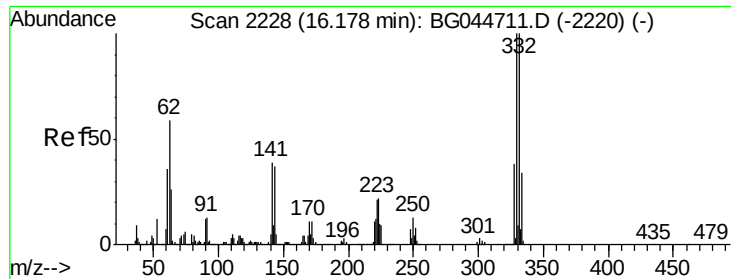


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

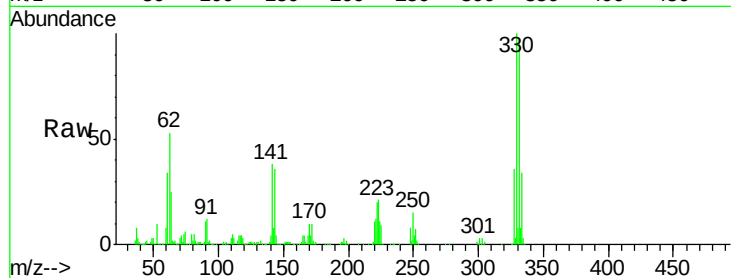




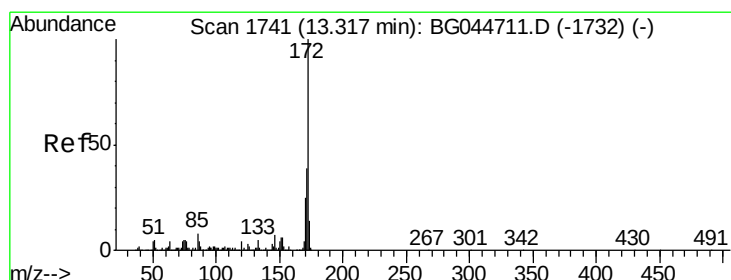
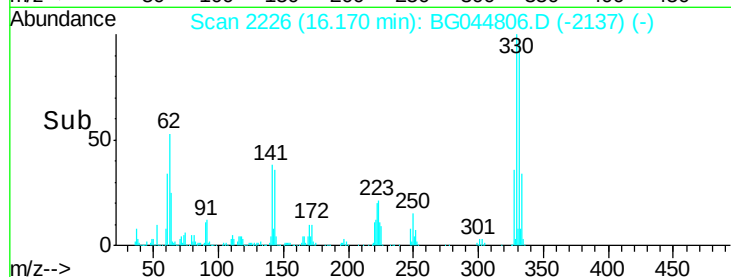
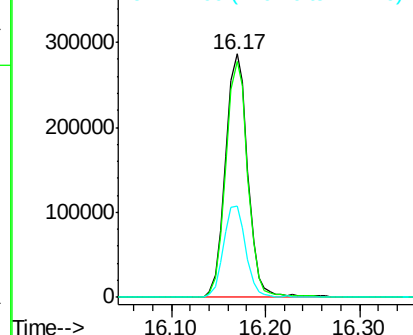
#42
2,4,6-Tribromophenol
Concen: 131.58 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Instrument :
BNA_G
ClientSampled :
TP-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.5	116.3
141	37.6	31.7	47.5

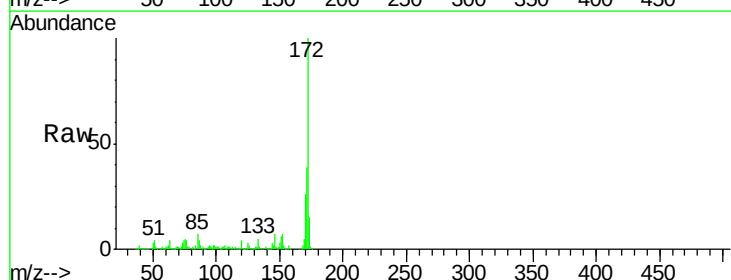


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

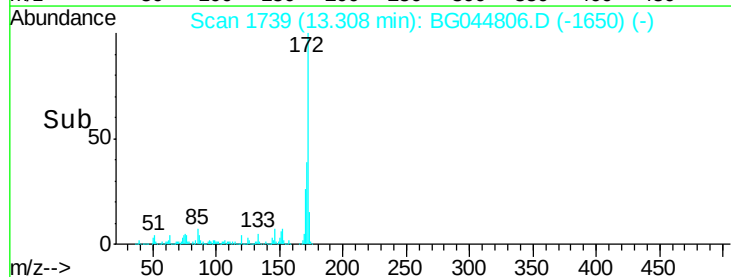
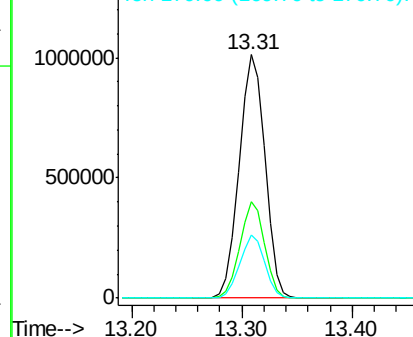


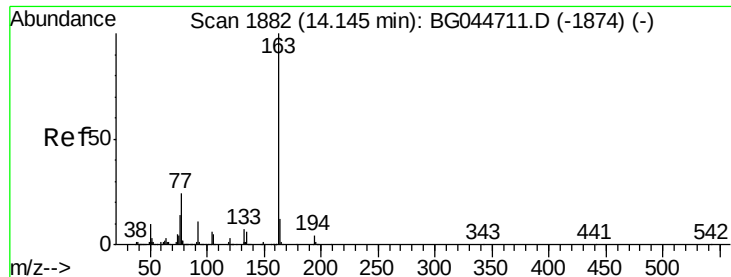
#45
2-Fluorobiphenyl
Concen: 86.49 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.5	30.8	46.2
170	26.0	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.28 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

Instrument :

BNA_G

ClientSampleId :

TP-3

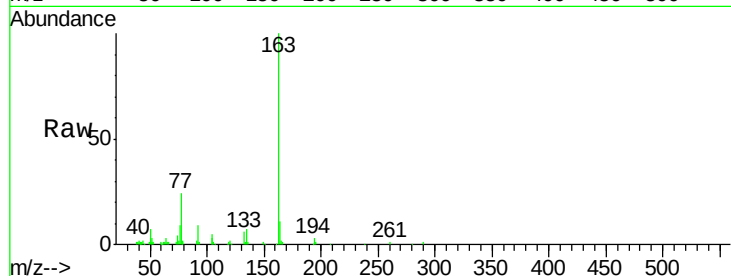
Tgt Ion:163 Resp: 72147

Ion Ratio Lower Upper

163 100

194 2.6 3.5 5.3#

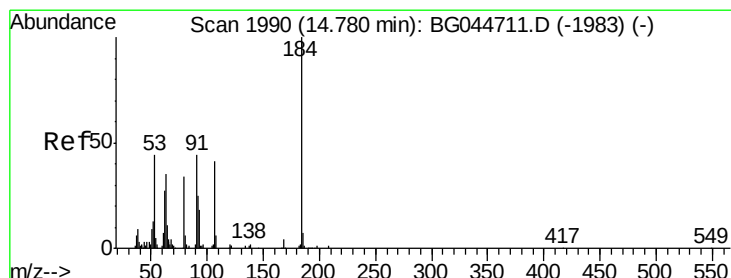
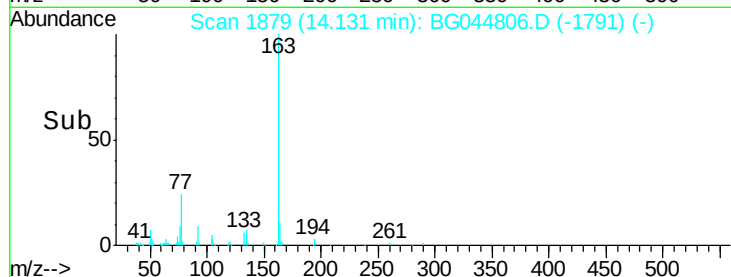
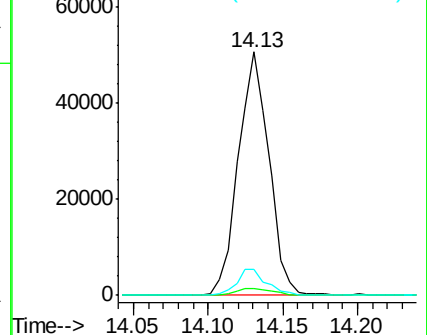
164 10.5 9.2 13.8



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



#54

2,4-Dinitrophenol

Concen: 8.36 ng

RT: 14.89 min Scan# 2009

Delta R.T. 0.12 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

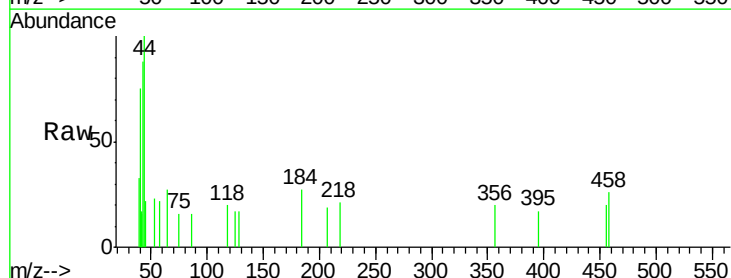
Tgt Ion:184 Resp: 91

Ion Ratio Lower Upper

184 100

63 0.0 49.0 73.6#

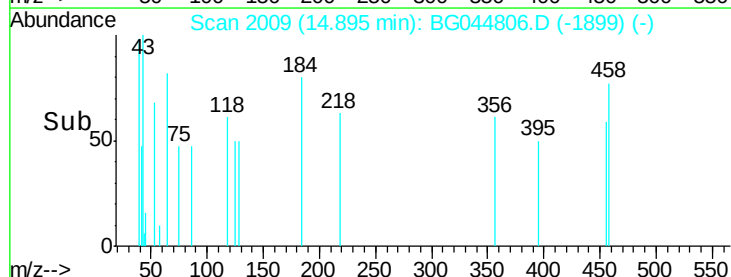
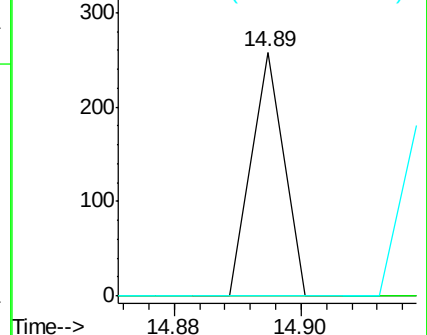
154 0.0 94.5 141.7#

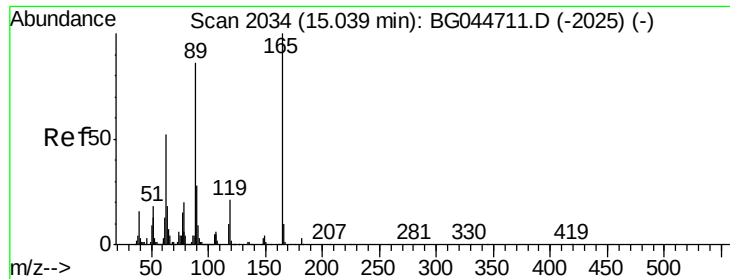


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

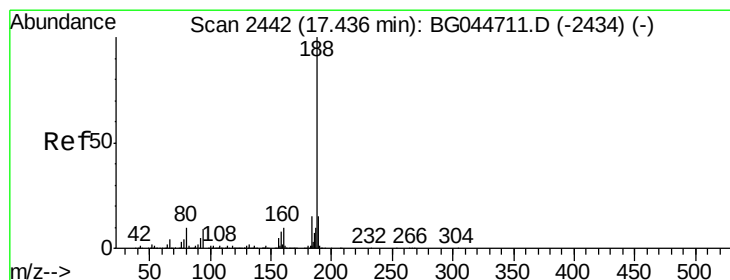
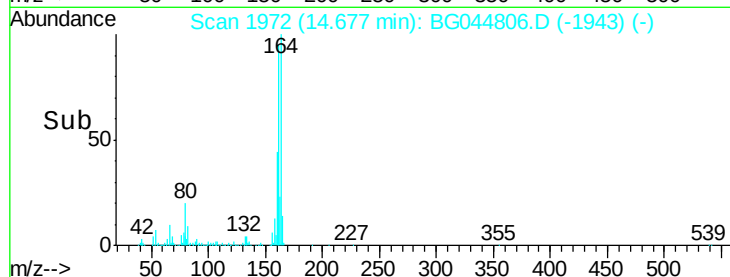
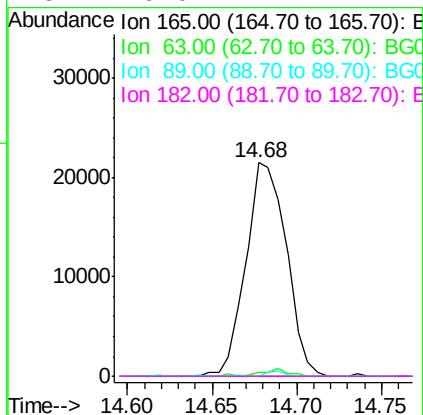
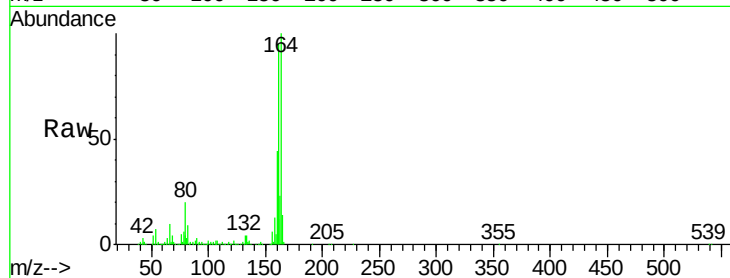




#57
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

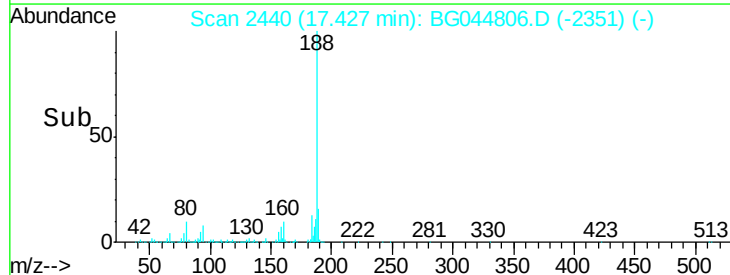
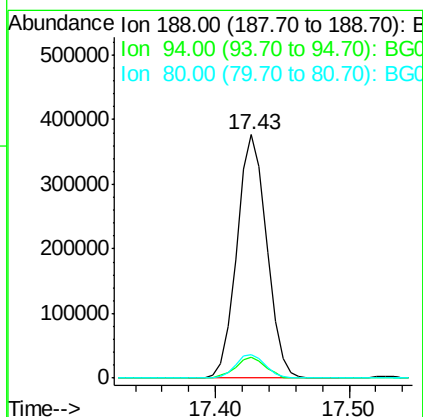
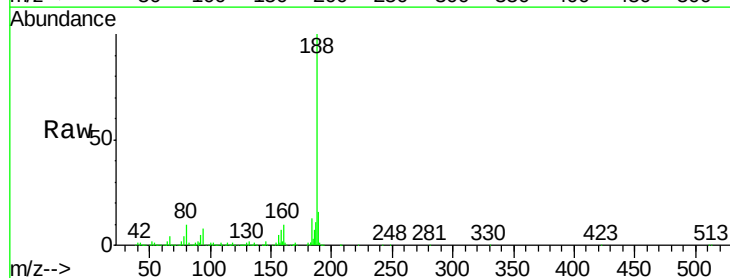
Instrument :
BNA_G
ClientSampleId :
TP-3

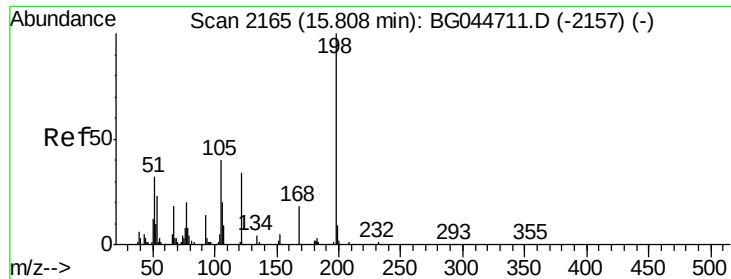
Tgt Ion:165 Resp: 35781
Ion Ratio Lower Upper
165 100
63 1.9 41.5 62.3#
89 0.0 69.0 103.4#
182 0.0 2.7 4.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG044806.D
Acq: 14 Mar 2020 22:20

Tgt Ion:188 Resp: 581232
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.8 8.4 12.6

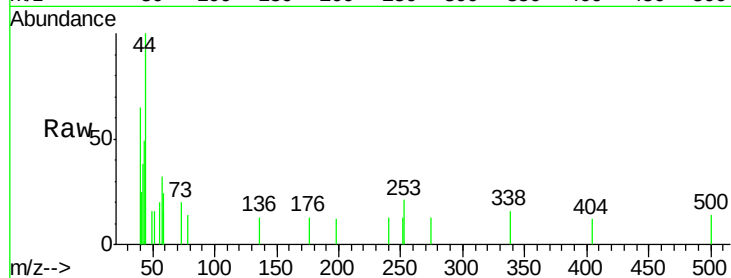




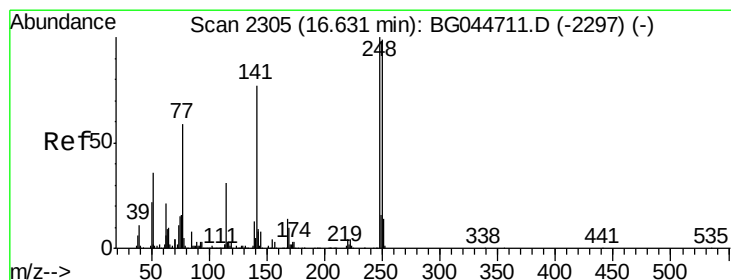
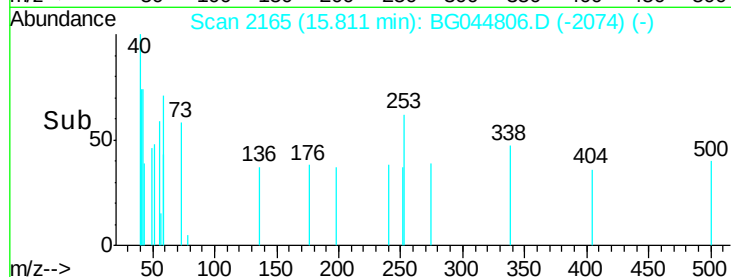
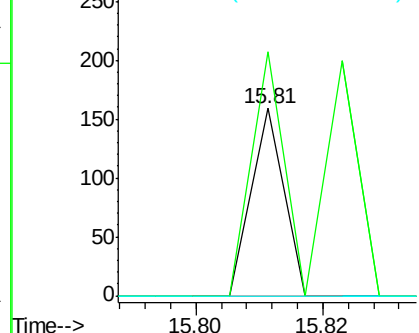
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 15.81 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: BG044806.D
 Acq: 14 Mar 2020 22:20

Instrument :
 BNA_G
 ClientSampled :
 TP-3

Tgt Ion:198 Resp: 56
 Ion Ratio Lower Upper
 198 100
 51 130.2 20.1 60.1#
 105 0.0 21.3 61.3#

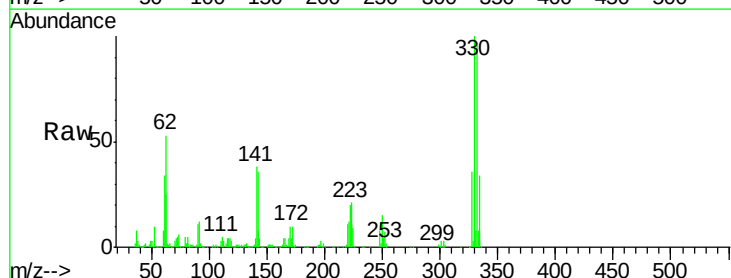


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

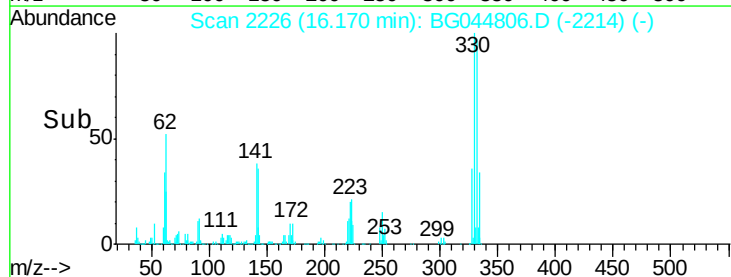
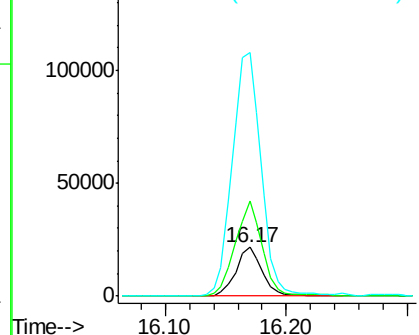


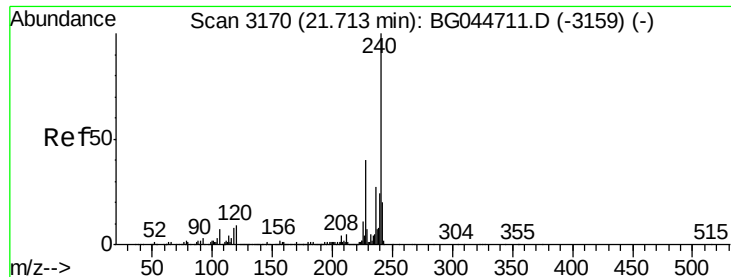
#67
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044806.D
 Acq: 14 Mar 2020 22:20

Tgt Ion:248 Resp: 33047
 Ion Ratio Lower Upper
 248 100
 250 194.2 79.4 119.0#
 141 498.8 61.7 92.5#



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





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

Instrument :

BNA_G

ClientSampleId :

TP-3

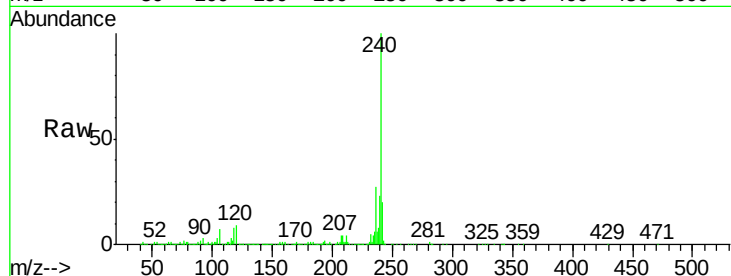
Tgt Ion:240 Resp: 511272

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

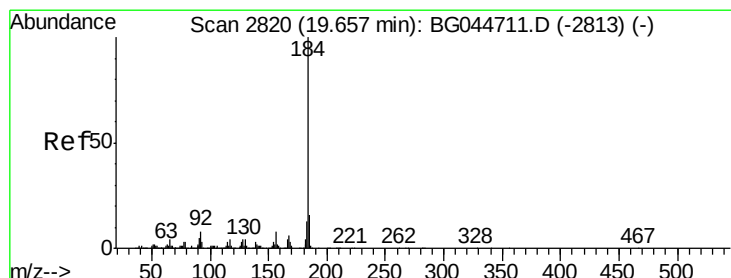
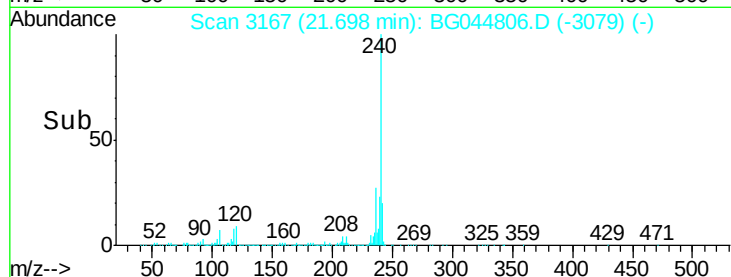
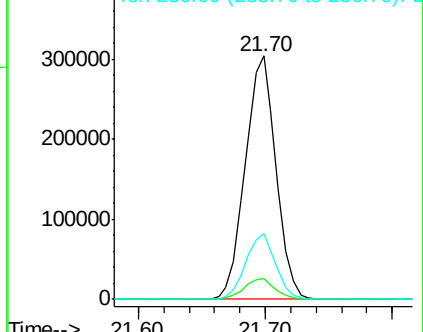
236 27.1 21.9 32.9



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: 2.99 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.38 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

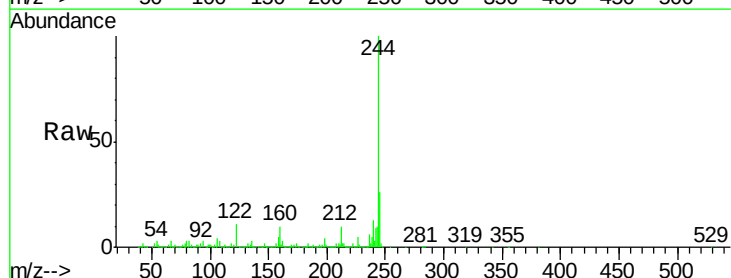
Tgt Ion:184 Resp: 49634

Ion Ratio Lower Upper

184 100

185 12.6 12.9 19.3#

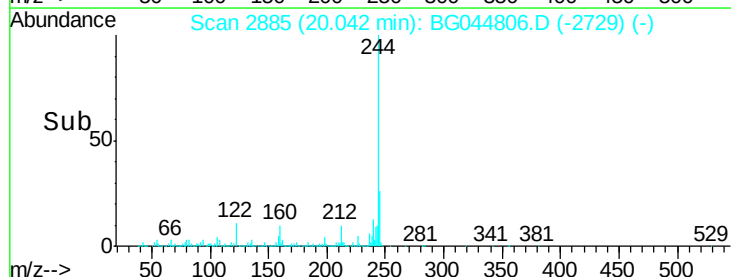
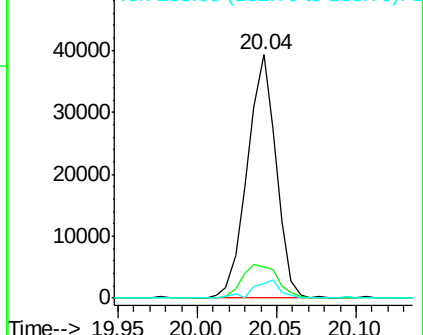
183 5.8 10.6 15.8#

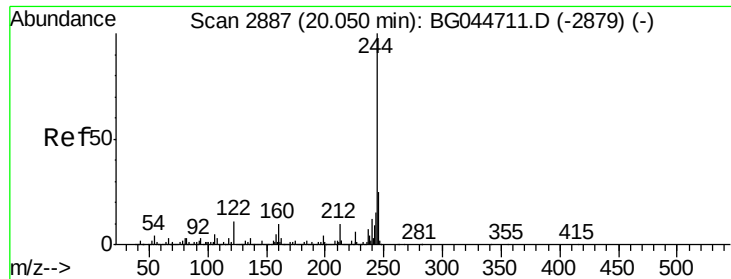


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.96 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

Instrument :

BNA_G

ClientSampleId :

TP-3

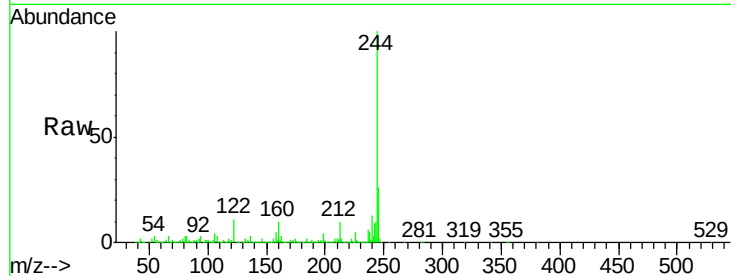
Tgt Ion:244 Resp: 2431389

Ion Ratio Lower Upper

244 100

212 10.4 8.4 12.6

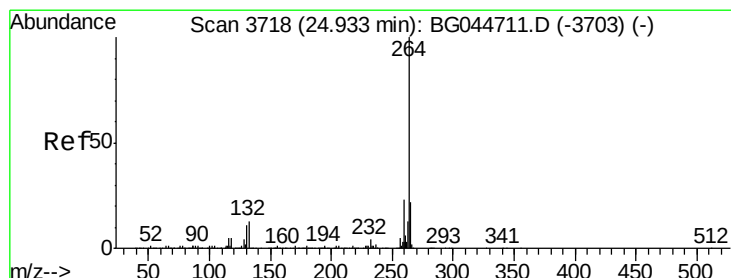
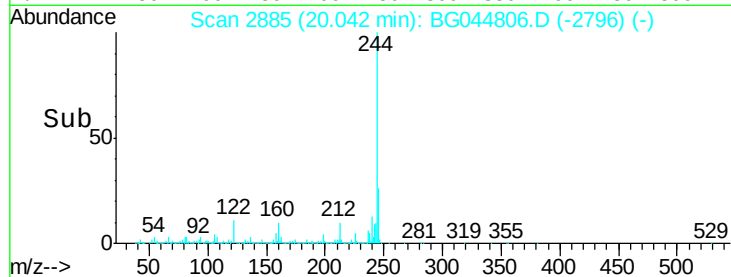
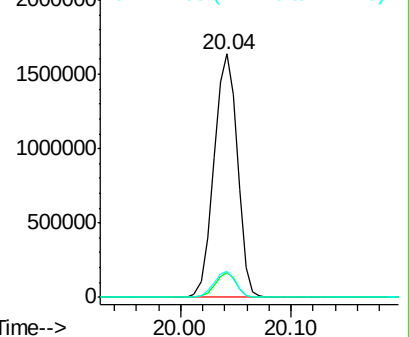
122 10.6 8.7 13.1



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: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044806.D

Acq: 14 Mar 2020 22:20

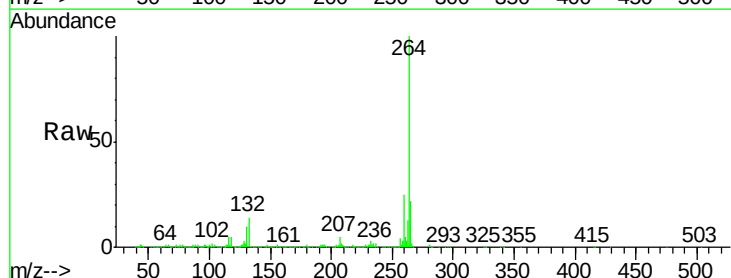
Tgt Ion:264 Resp: 573369

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 22.2 17.4 26.2



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

