

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045887.D
 Acq On : 30 Jun 2020 16:45
 Operator : CG/JU
 Sample : L3153-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1-B

Quant Time: Jun 30 18:18:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 16:34:40 2020
 Response via : Initial Calibration

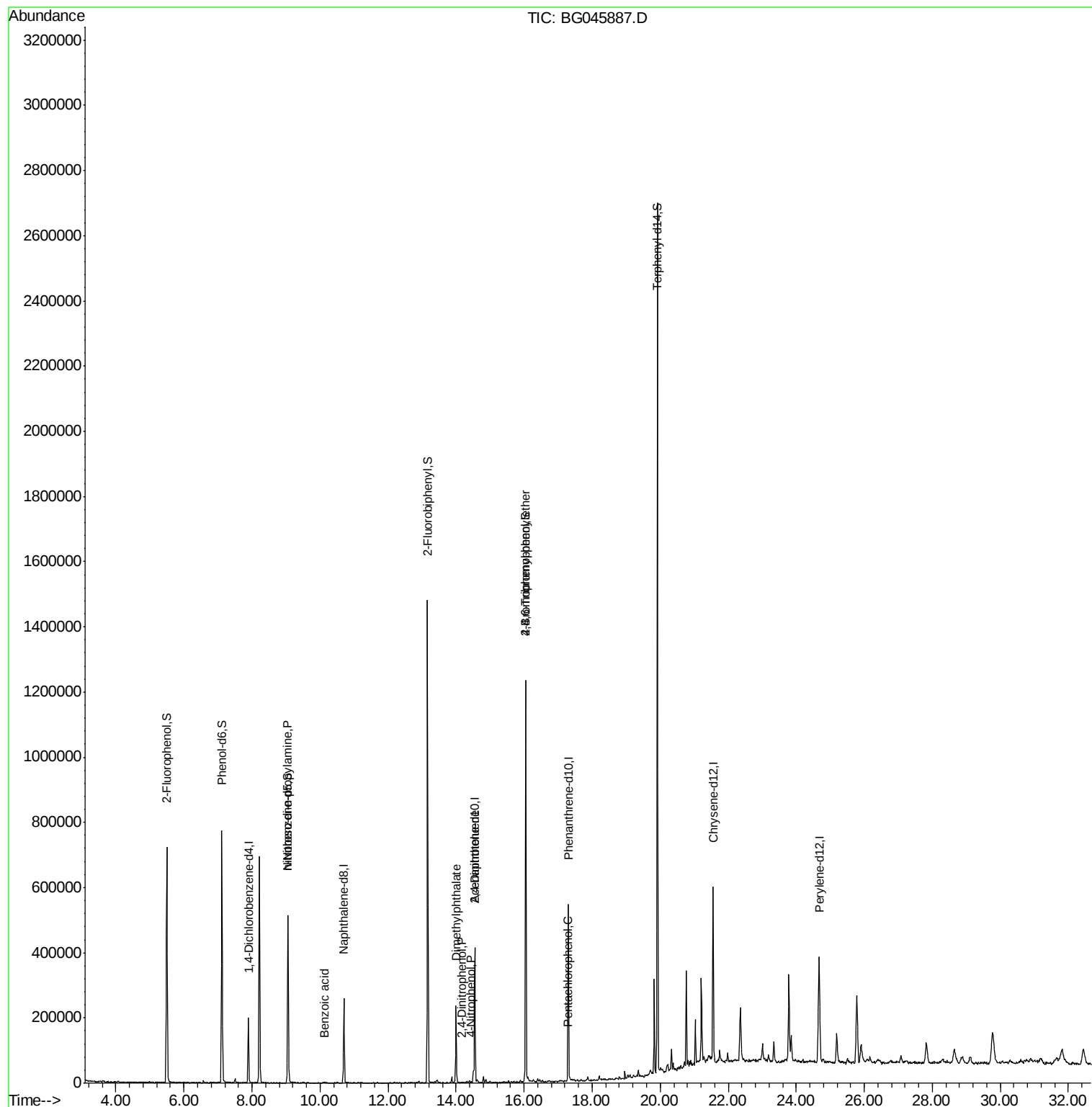
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	59406	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	227334	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	153447	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	344203	20.00	ng	0.00
76) Chrysene-d12	21.56	240	324146	20.00	ng	0.00
86) Perylene-d12	24.67	264	333838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	353921	100.64	ng	0.00
7) Phenol-d6	7.11	99	518927	97.01	ng	0.00
23) Nitrobenzene-d5	9.06	82	360748	72.49	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	245218	105.85	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	802317	76.84	ng	0.00
79) Terphenyl-d14	19.92	244	1276635	79.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	50169	14.265	ng	Qvalue # 83
32) Benzoic acid	10.11	122	265	9.076	ng	# 19
50) Dimethylphthalate	14.00	163	165006	13.727	ng	96
54) 2,4-Dinitrophenol	14.17	184	70	9.866	ng	# 14
56) 4-Nitrophenol	14.44	139	55	4.000	ng	# 1
57) 2,4-Dinitrotoluene	14.54	165	20555	5.314	ng	# 22
67) 4-Bromophenyl-phenylether	16.05	248	16305	3.646	ng	# 1
70) Pentachlorophenol	17.27	266	55	7.654	ng	# 19

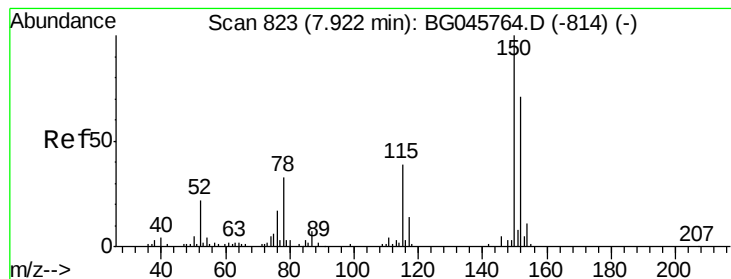
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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SP1-B

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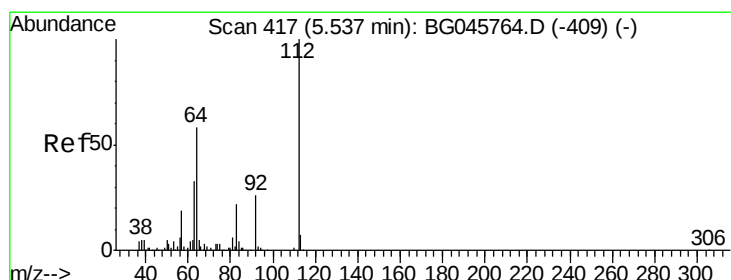
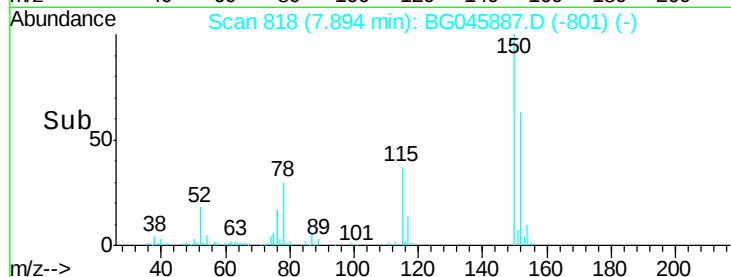
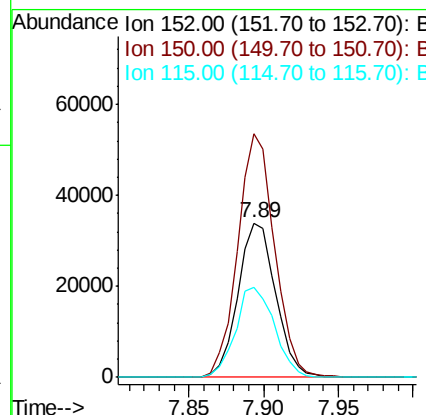
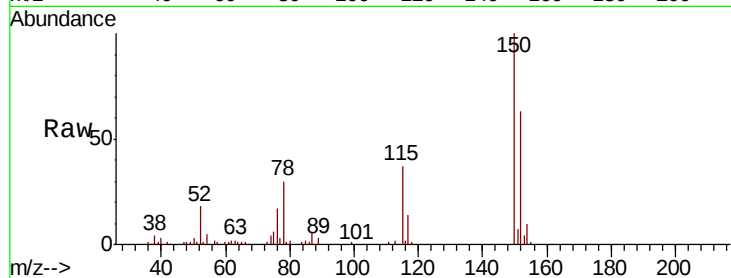


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Instrument :
BNA_G
ClientSampleId :
SP1-B

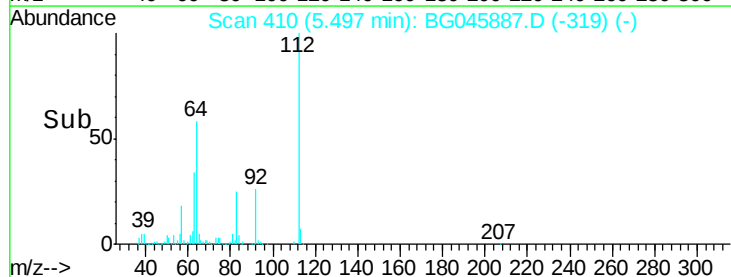
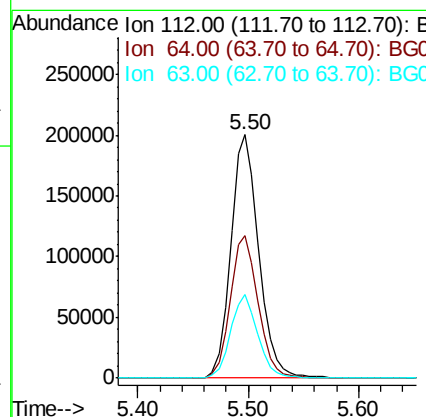
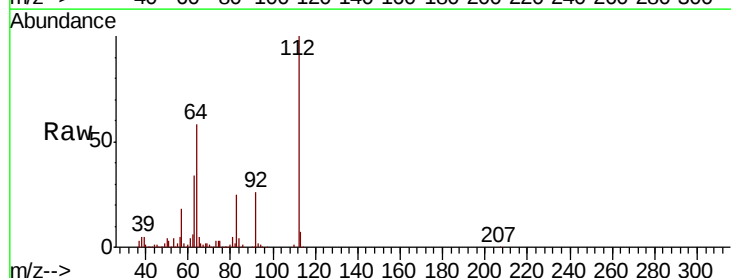
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.2	181.8
115	58.3	47.5	71.3

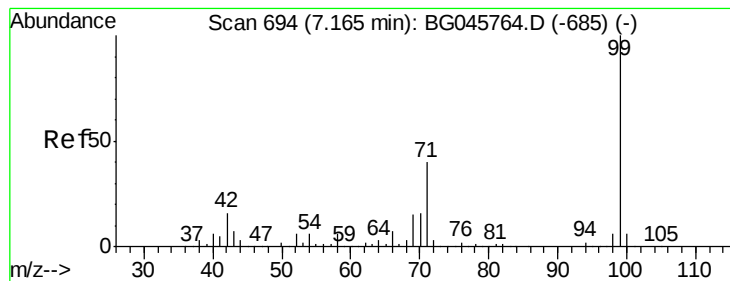


#5

2-Fluorophenol
Concen: 100.639 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.01 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	48.5	72.7
63	34.4	26.5	39.7





#7

Phenol-d6

Concen: 97.009 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampleId :

SP1-B

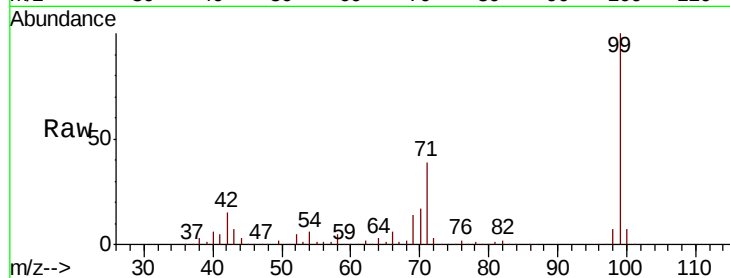
Tot Ion: 99 Resp: 518927

Ion Ratio Lower Upper

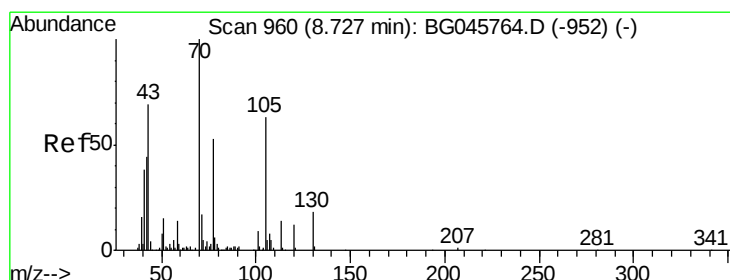
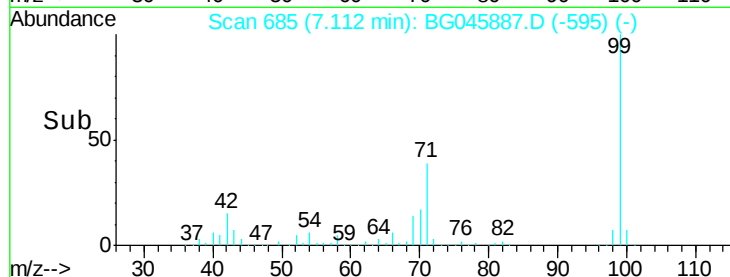
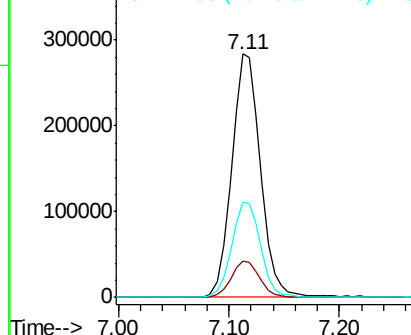
99 100

42 15.1 12.0 18.0

71 39.2 31.0 46.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.265 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Tgt Ion: 70 Resp: 50169

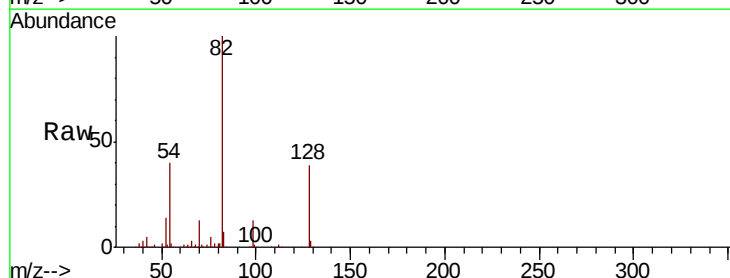
Ion Ratio Lower Upper

70 100

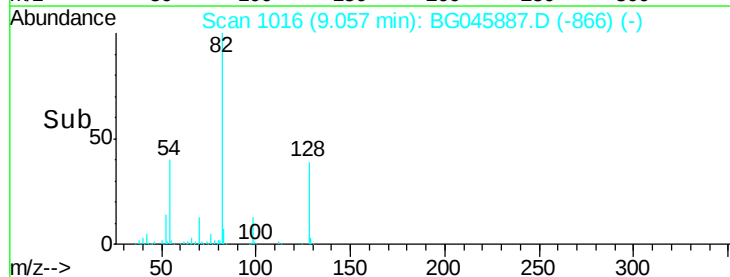
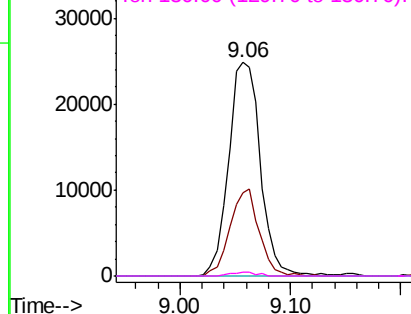
42 39.0 33.9 50.9

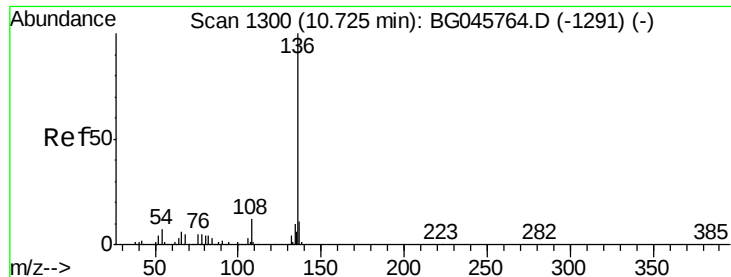
101 0.0 8.0 12.0#

130 2.0 14.9 22.3#



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

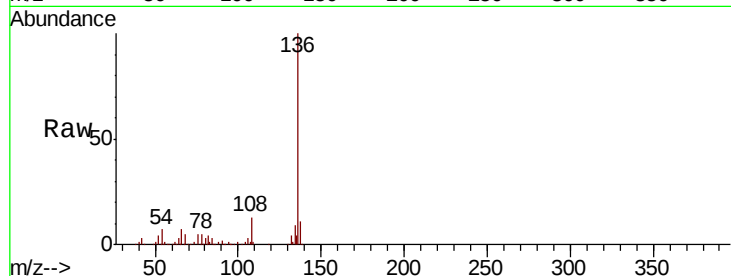




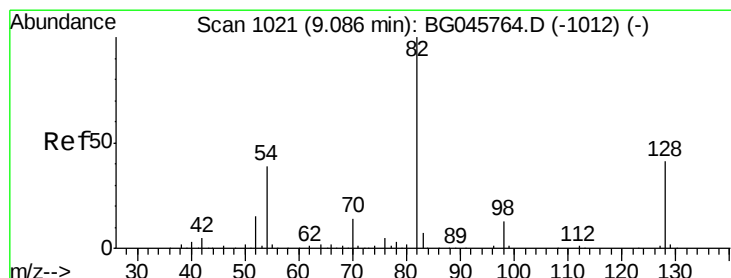
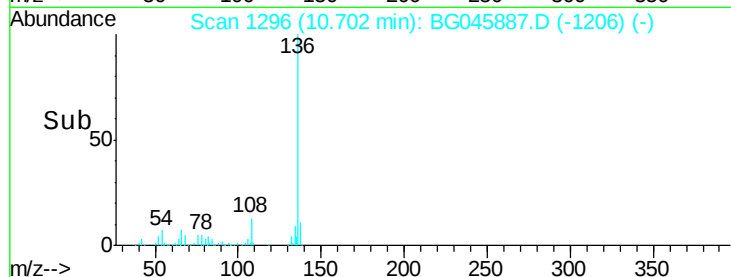
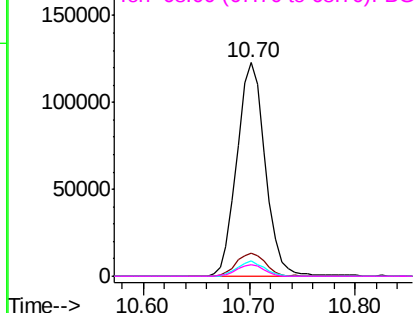
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Instrument :
BNA_G
ClientSampleId :
SP1-B

Tot Ion:136	Resp:	227334
Ion Ratio	Lower	Upper
136 100		
137 10.9	9.4	14.0
54 7.3	4.9	7.3
68 5.4	3.9	5.9

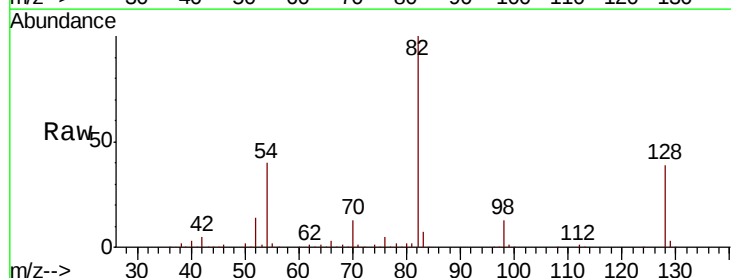


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

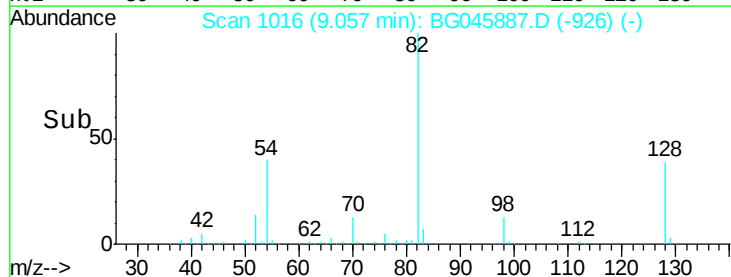
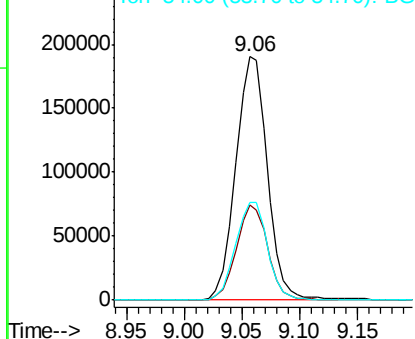


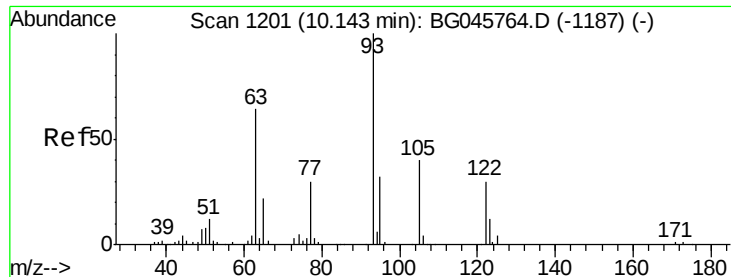
#23
Nitrobenzene-d5
Concen: 72.493 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Tgt	Ion: 82	Resp:	360748
Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.3	46.9
54	40.1	32.6	49.0



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: 9.076 ng

RT: 10.11 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampled :

SP1-B

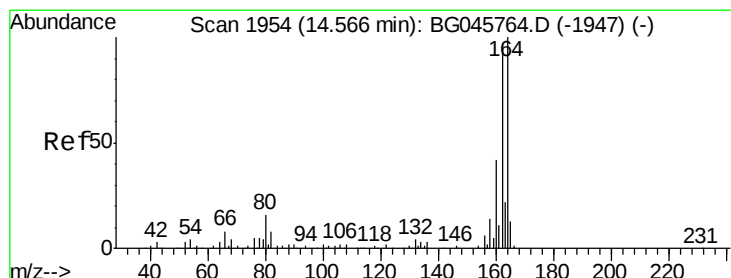
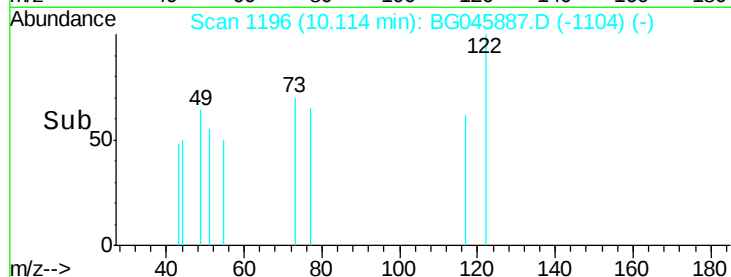
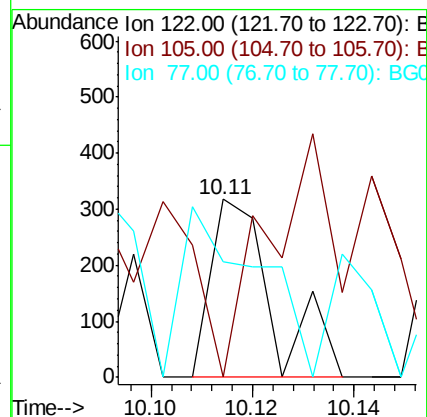
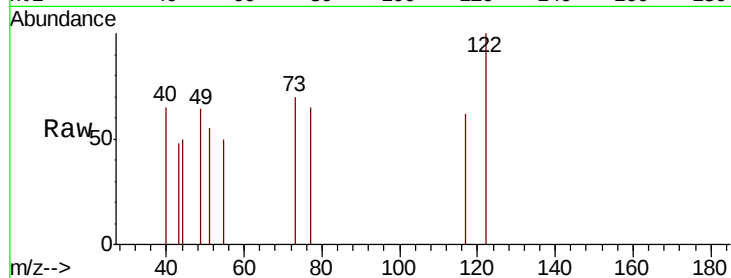
Tot Ion:122 Resp: 265

Ion Ratio Lower Upper

122 100

105 0.0 110.1 150.1#

77 65.3 94.1 134.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

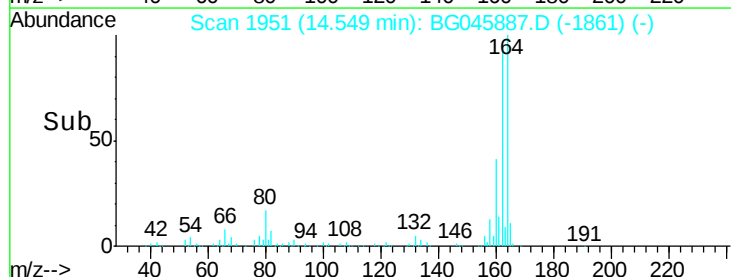
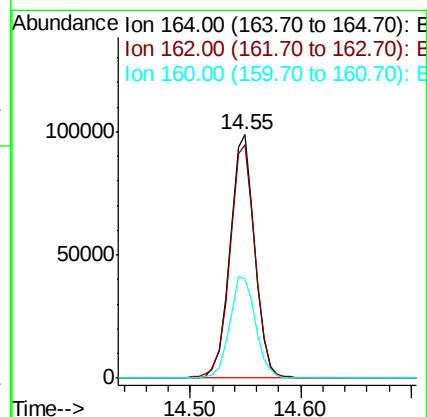
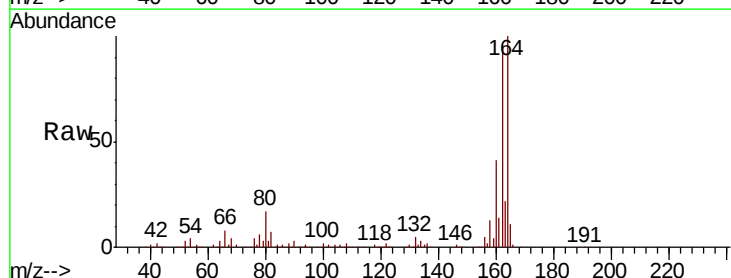
Tgt Ion:164 Resp: 153447

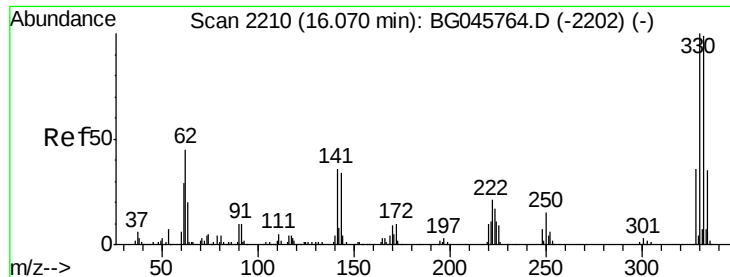
Ion Ratio Lower Upper

164 100

162 95.7 80.6 120.8

160 40.9 35.0 52.4

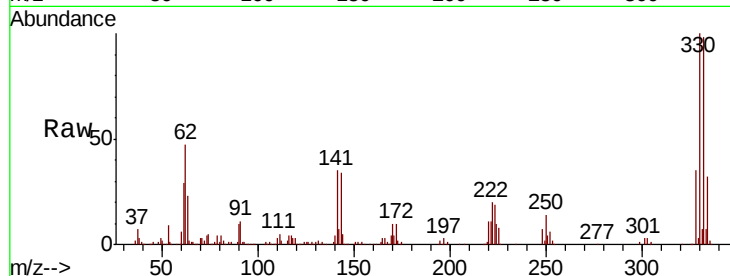




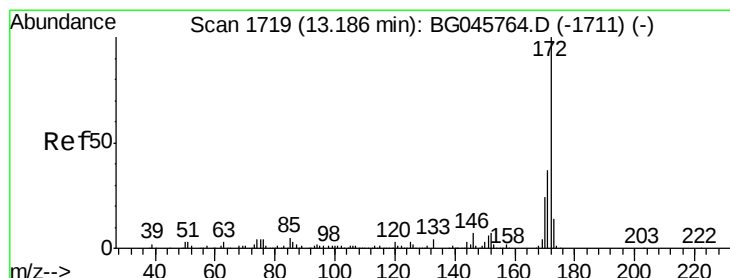
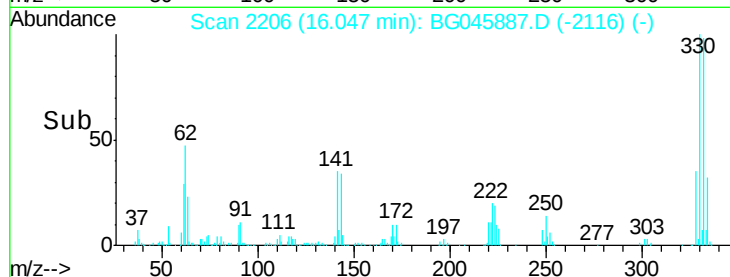
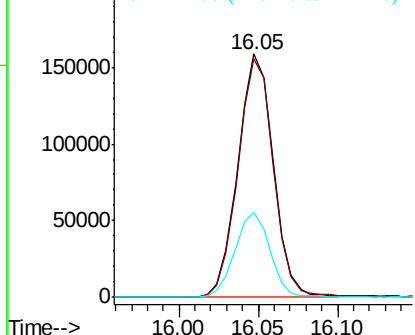
#42
 2,4,6-Tribromophenol
 Concen: 105.850 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG045887.D
 Acq: 30 Jun 2020 16:45

Instrument :
 BNA_G
 ClientSampleId :
 SP1-B

Tot Ion:330 Resp: 245218
 Ion Ratio Lower Upper
 330 100
 332 99.5 76.6 114.8
 141 34.9 27.7 41.5

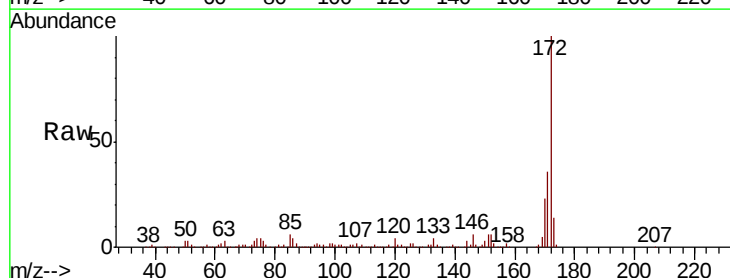


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

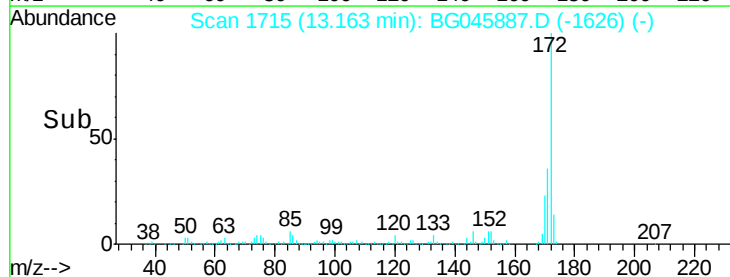
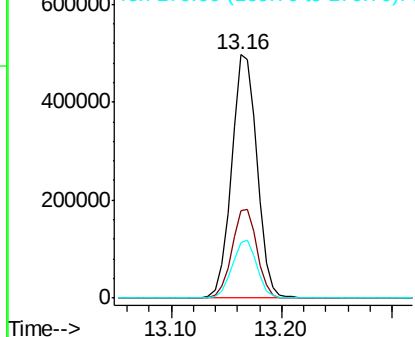


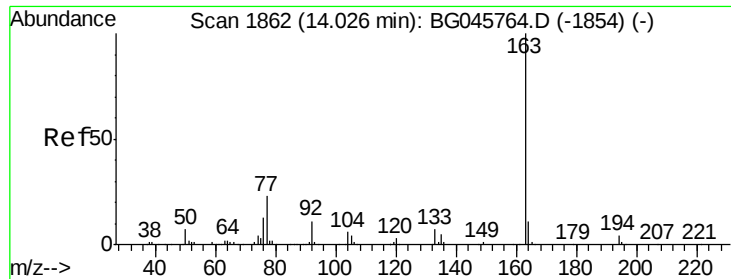
#45
 2-Fluorobiphenyl
 Concen: 76.838 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BG045887.D
 Acq: 30 Jun 2020 16:45

Tgt Ion:172 Resp: 802317
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 23.0 19.1 28.7



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: 13.727 ng

RT: 14.00 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampled :

SP1-B

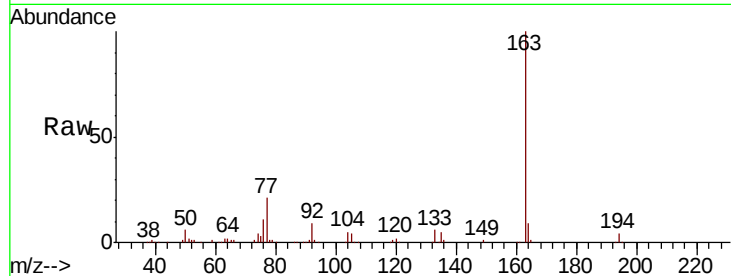
Tot Ion:163 Resp: 165006

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

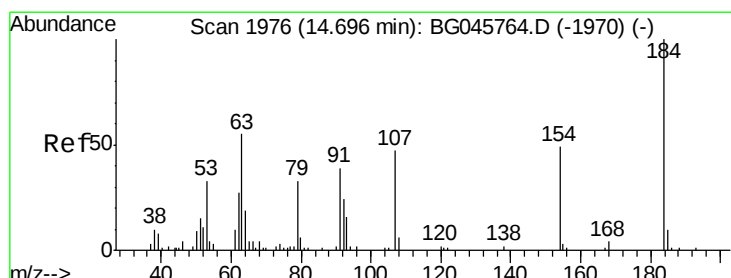
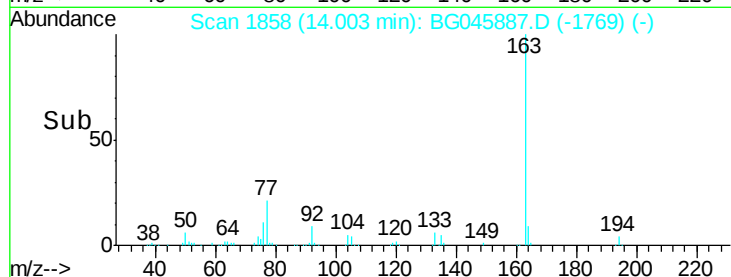
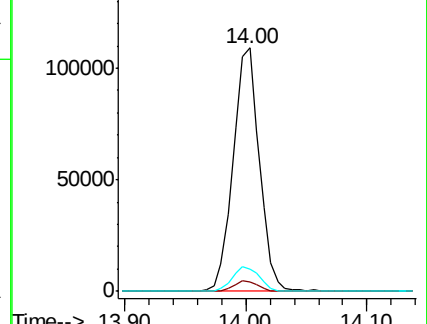
164 9.1 8.8 13.2



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: 9.866 ng

RT: 14.17 min Scan# 1887

Delta R.T. -0.51 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

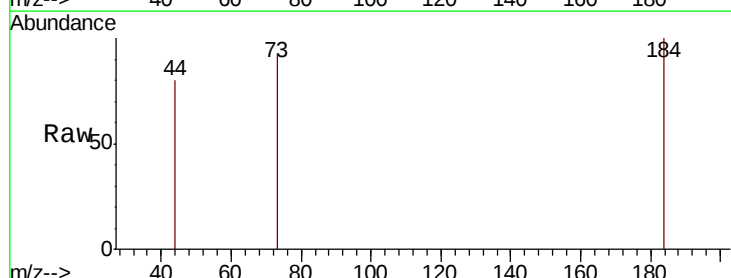
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 51.9 77.9#

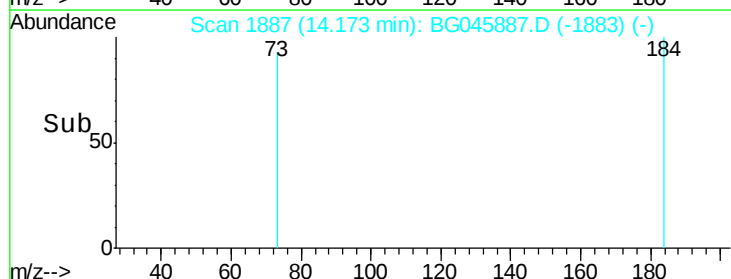
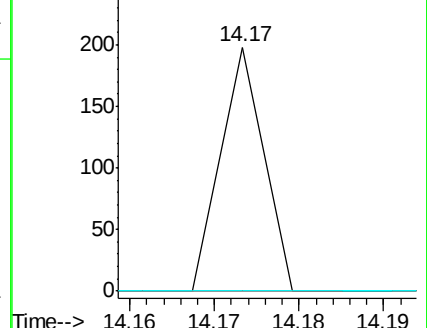
154 0.0 60.7 91.1#

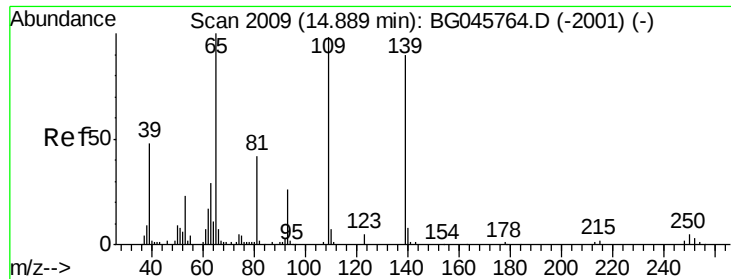


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

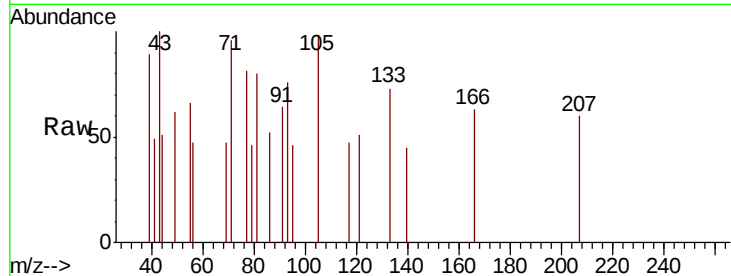




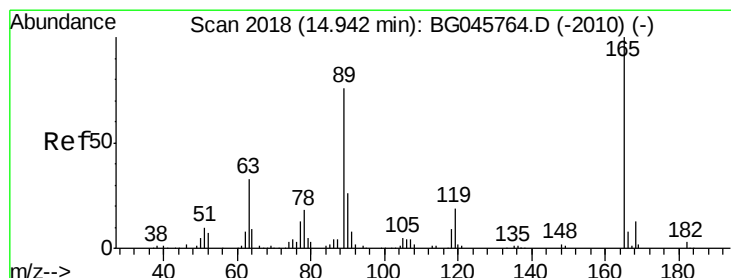
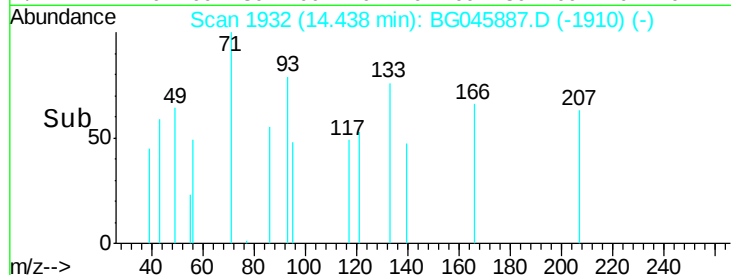
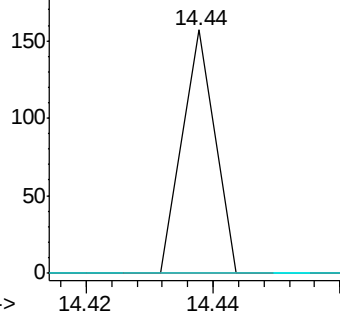
#56
4-Nitrophenol
Concen: 4.000 ng
RT: 14.44 min Scan# 1932
Delta R.T. -0.40 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Instrument :
BNA_G
ClientSampled :
SP1-B

Tot Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 83.9 123.9#
65 0.0 87.8 127.8#

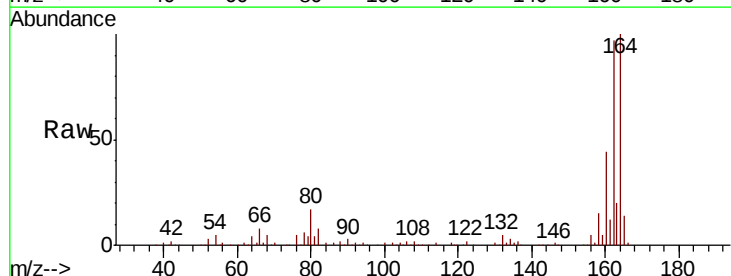


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

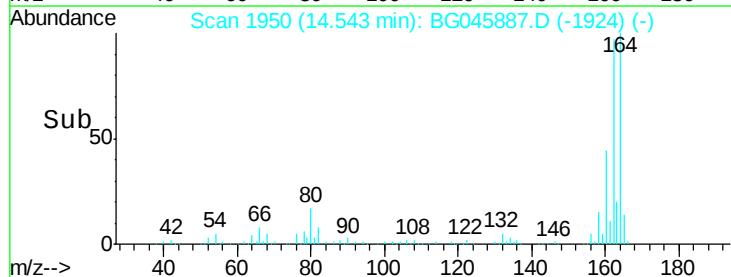
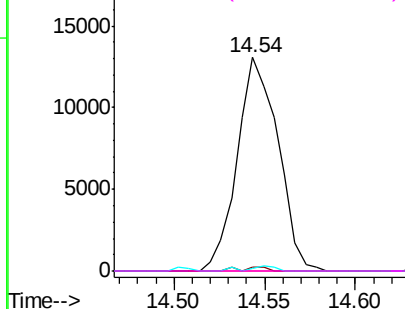


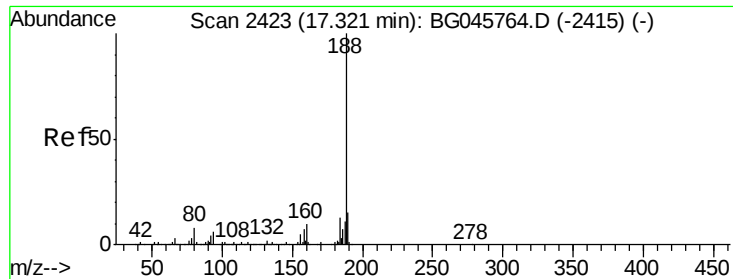
#57
2,4-Dinitrotoluene
Concen: 5.314 ng
RT: 14.54 min Scan# 1950
Delta R.T. -0.38 min
Lab File: BG045887.D
Acq: 30 Jun 2020 16:45

Tgt Ion:165 Resp: 20555
Ion Ratio Lower Upper
165 100
63 1.6 35.2 52.8#
89 1.3 61.4 92.2#
182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampleId :

SP1-B

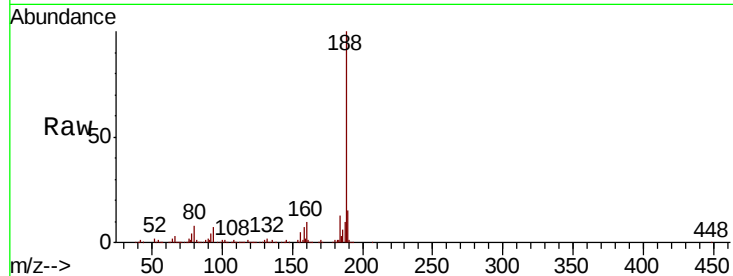
Tot Ion:188 Resp: 344203

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.2 6.6 10.0

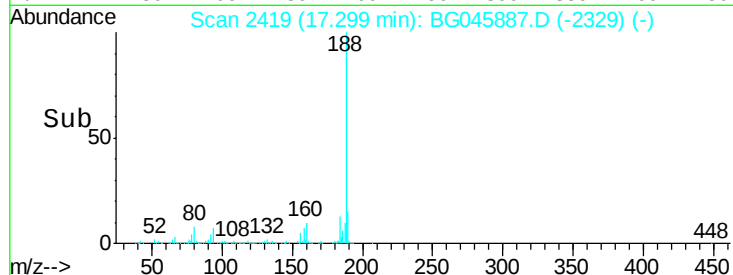


Abundance Ion 188.00 (187.70 to 188.70): E

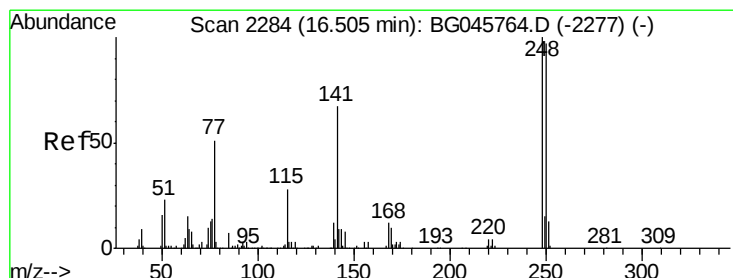
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.646 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.44 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

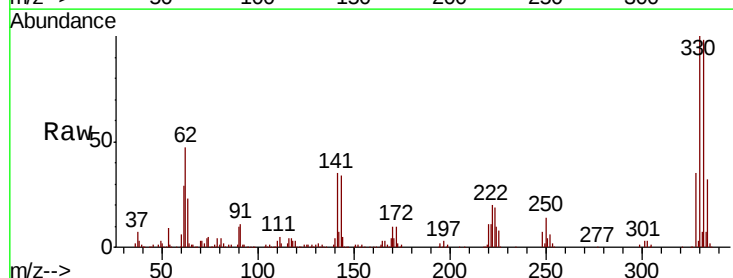
Tgt Ion:248 Resp: 16305

Ion Ratio Lower Upper

248 100

250 205.1 76.8 115.2#

141 522.0 52.6 79.0#

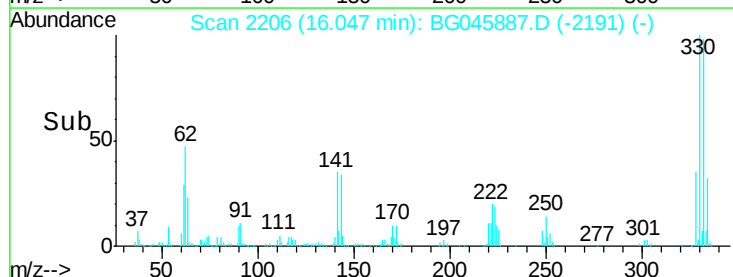


Abundance Ion 248.00 (247.70 to 248.70): E

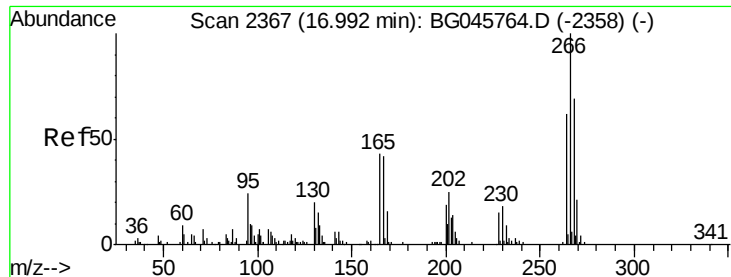
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#70

Pentachlorophenol

Concen: 7.654 ng

RT: 17.27 min Scan# 2414

Delta R.T. 0.30 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampleId :

SP1-B

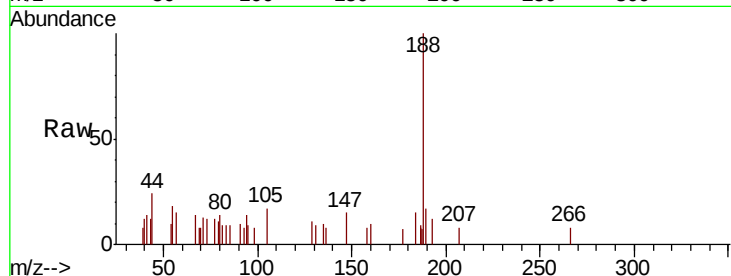
Tot Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 0.0 50.9 76.3#

264 0.0 49.8 74.8#



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

17.27

150

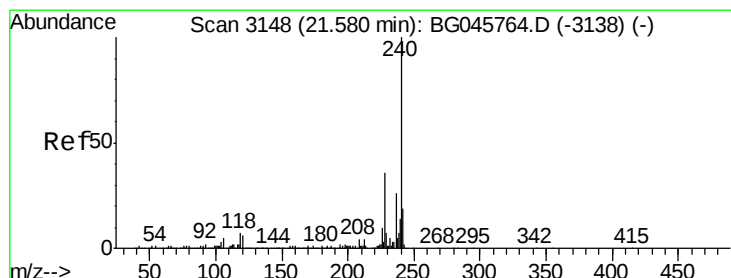
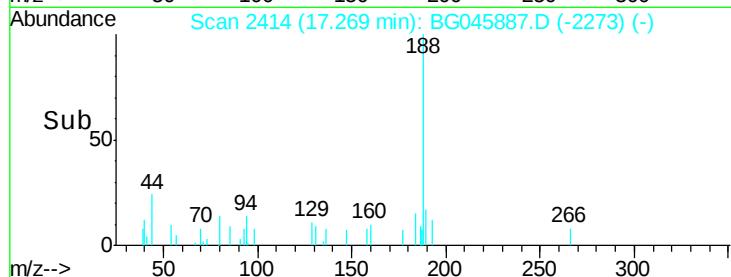
100

50

0

17.26 17.28

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

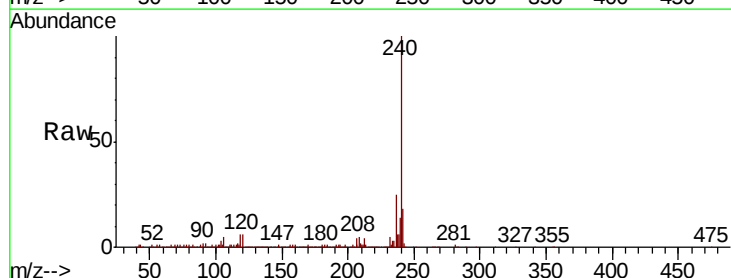
Tgt Ion:240 Resp: 324146

Ion Ratio Lower Upper

240 100

120 6.1 5.6 8.4

236 25.1 21.3 31.9



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

21.56

250000

200000

150000

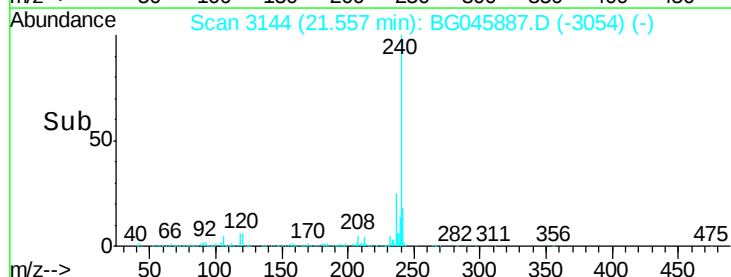
100000

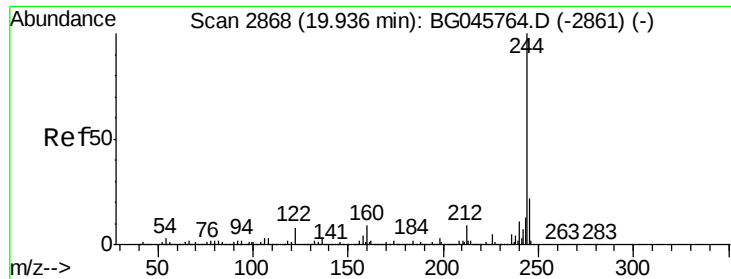
50000

0

21.50 21.60 21.70

Time-->





#79

Terphenyl-d14

Concen: 79.817 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

Instrument :

BNA_G

ClientSampleId :

SP1-B

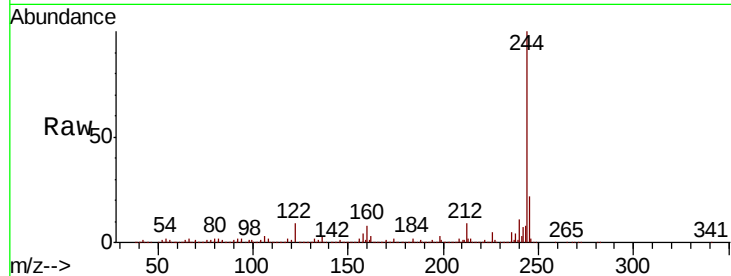
Tot Ion:244 Resp: 1276635

Ion Ratio Lower Upper

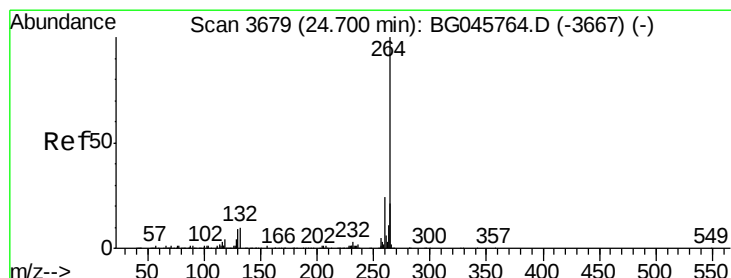
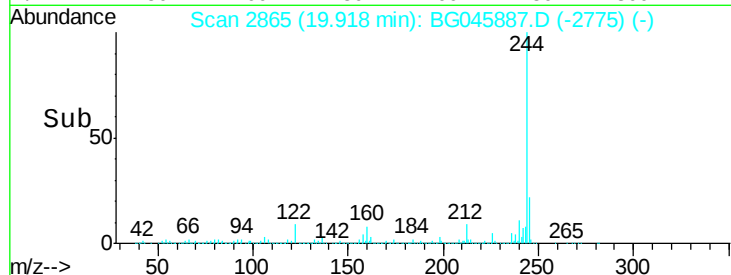
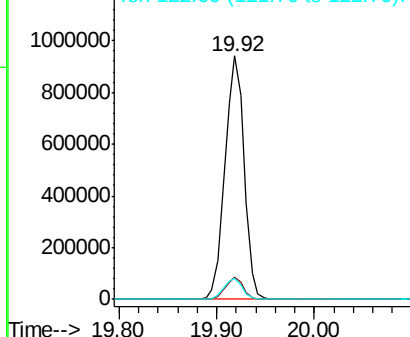
244 100

212 9.4 7.2 10.8

122 8.6 6.9 10.3



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG045887.D

Acq: 30 Jun 2020 16:45

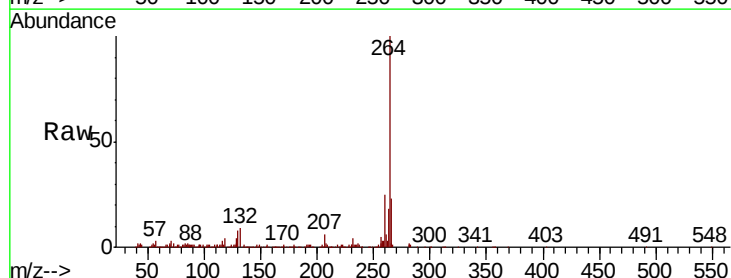
Tgt Ion:264 Resp: 333838

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

265 23.1 17.4 26.0



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

