

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046528.D
 Acq On : 3 Sep 2020 22:53
 Operator : CG/JU
 Sample : L3877-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Sep 04 01:24:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75601	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	295779	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	194795	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	474840	20.00	ng	0.00
76) Chrysene-d12	21.55	240	510409	20.00	ng	0.00
86) Perylene-d12	24.65	264	499280	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	479984	112.45	ng	0.00
7) Phenol-d6	7.10	99	568914	94.02	ng	0.00
23) Nitrobenzene-d5	9.08	82	450862	87.12	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	298595	113.13	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	1071327	83.96	ng	0.00
79) Terphenyl-d14	19.92	244	1855164	77.35	ng	0.00

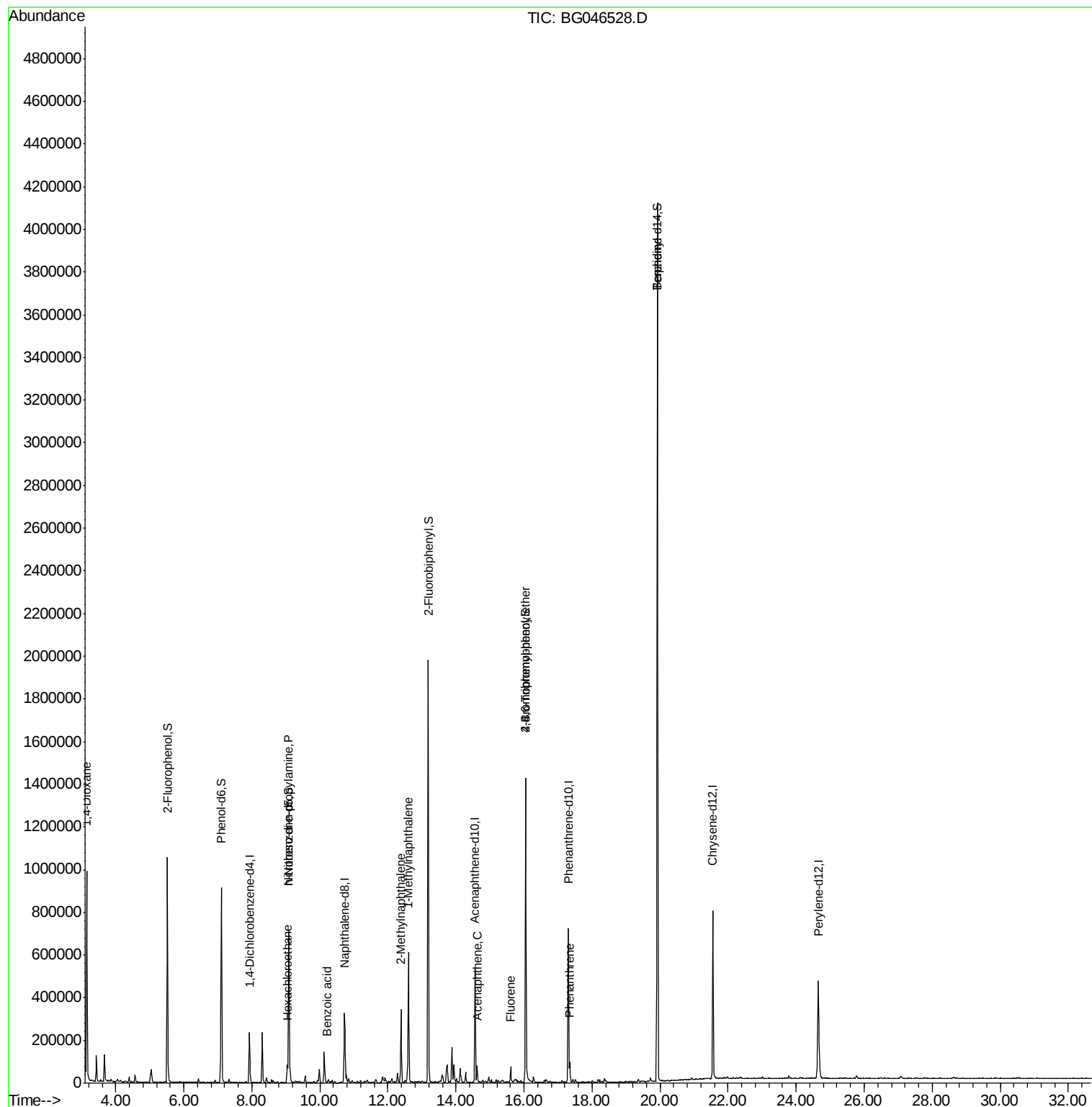
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	9220	5.192	ng	# 1
18) Hexachloroethane	9.04	117	7917	4.072	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	57364	15.849	ng	# 76
32) Benzoic acid	10.22	122	134	4.528	ng	# 65
37) 2-Methylnaphthalene	12.39	142	175610	15.418	ng	99
38) 1-Methylnaphthalene	12.60	142	305173	28.286	ng	99
52) Acenaphthene	14.62	154	29753	2.755	ng	93
58) Fluorene	15.61	166	34277	2.356	ng	99
67) 4-Bromophenyl-phenylether	16.05	248	22831	4.121	ng	# 1
71) Phenanthrene	17.34	178	60955	2.533	ng	95
77) Benzydine	19.92	184	28944	2.440	ng	97

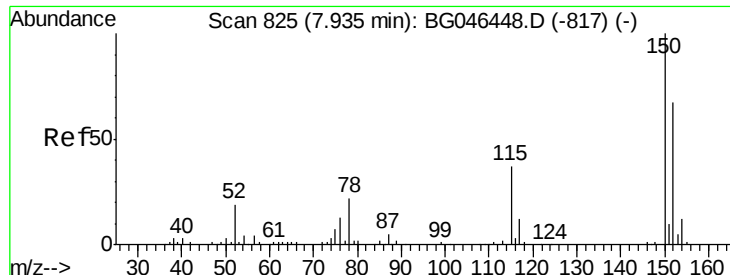
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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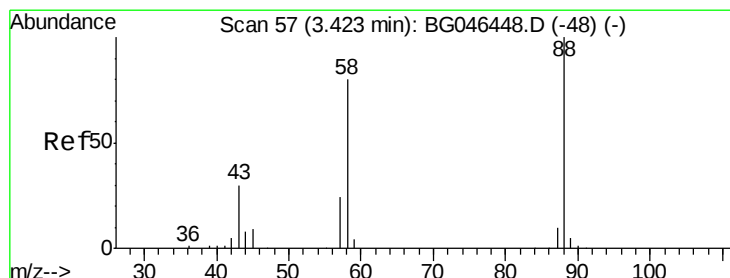
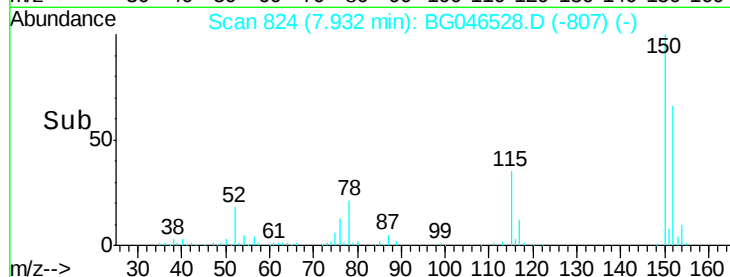
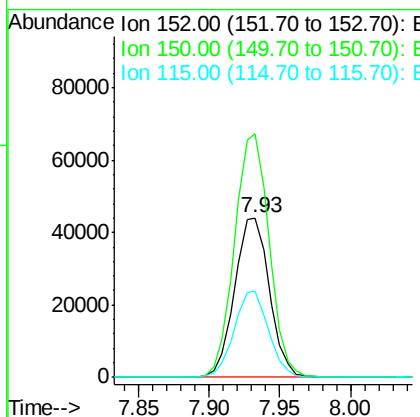
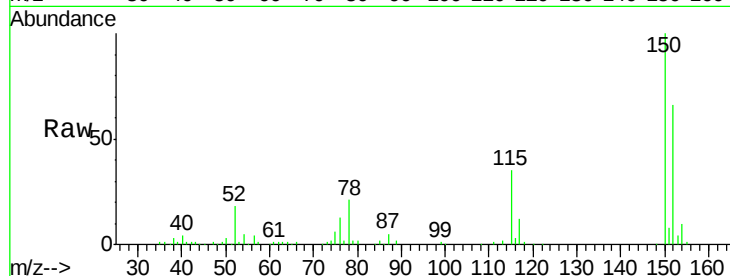


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Instrument :
BNA_G
ClientSampled :
TP-4

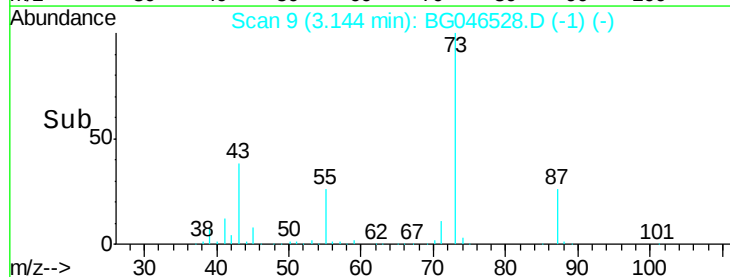
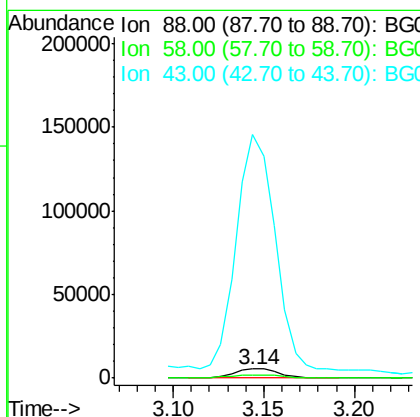
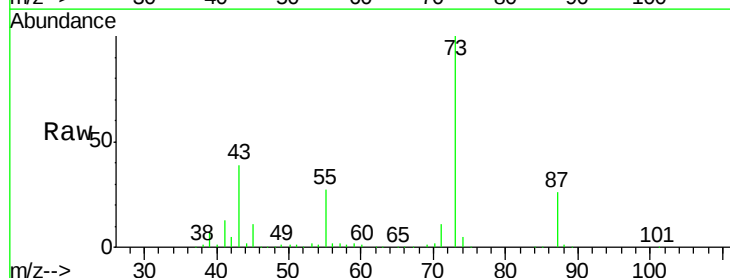
Tot Ion:152 Resp: 75601
Ion Ratio Lower Upper
152 100
150 152.6 119.5 179.3
115 53.9 44.3 66.5

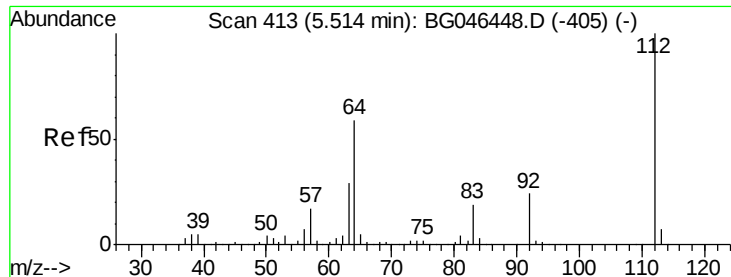


#2

1,4-Dioxane
Concen: 5.192 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Tgt Ion: 88 Resp: 9220
Ion Ratio Lower Upper
88 100
58 26.0 61.4 92.2#
43 2271.7 21.6 32.4#





#5

2-Fluorophenol

Concen: 112.451 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

Instrument :

BNA_G

ClientSampleId :

TP-4

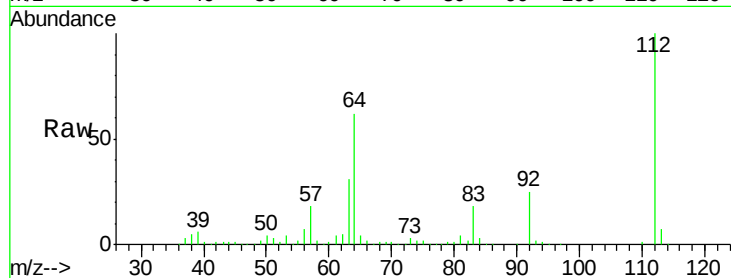
Tot Ion:112 Resp: 479984

Ion Ratio Lower Upper

112 100

64 62.0 47.0 70.6

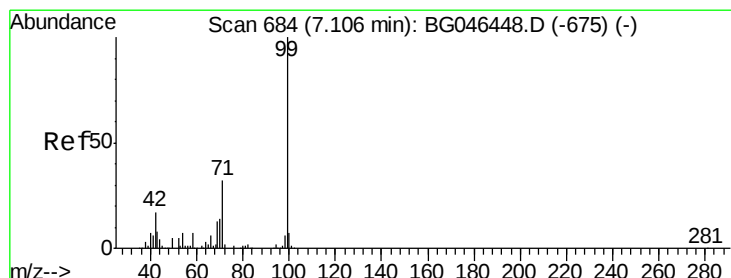
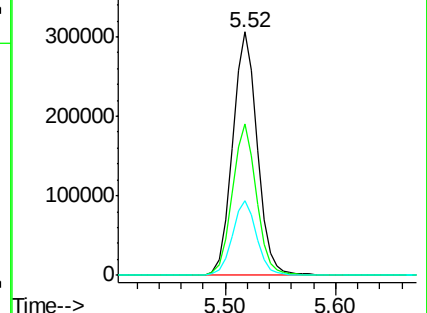
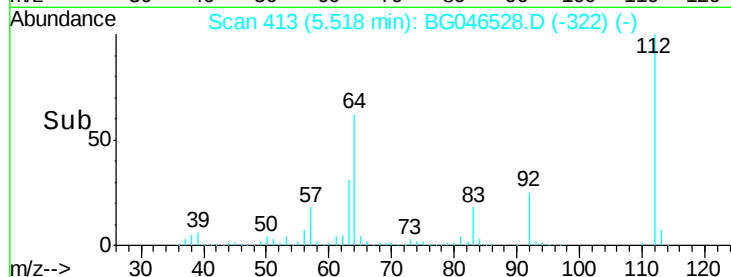
63 30.7 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 94.022 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

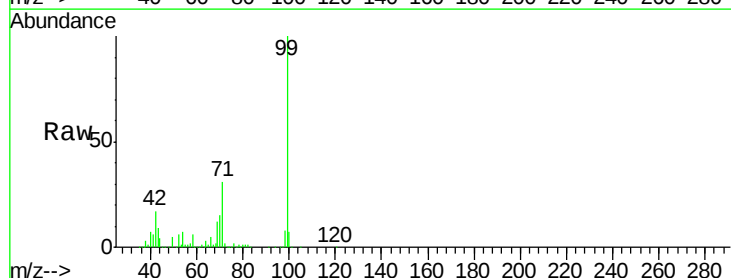
Tgt Ion: 99 Resp: 568914

Ion Ratio Lower Upper

99 100

42 16.9 13.3 19.9

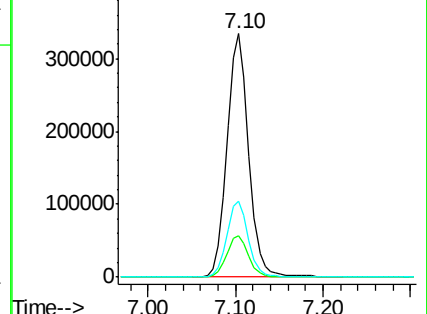
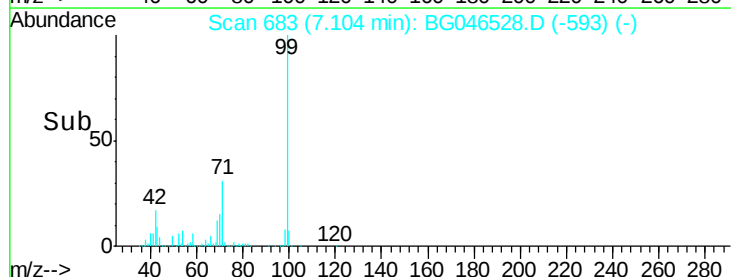
71 31.2 25.3 37.9

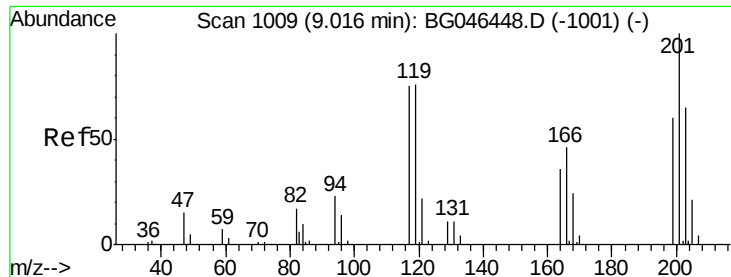


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

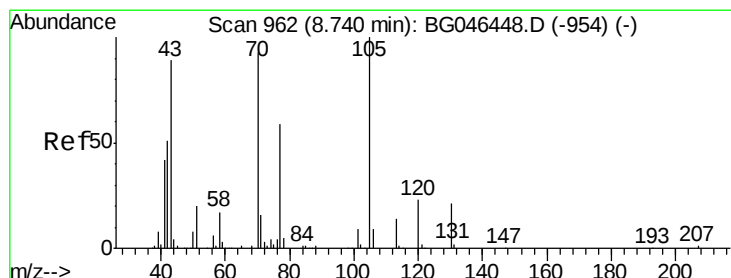
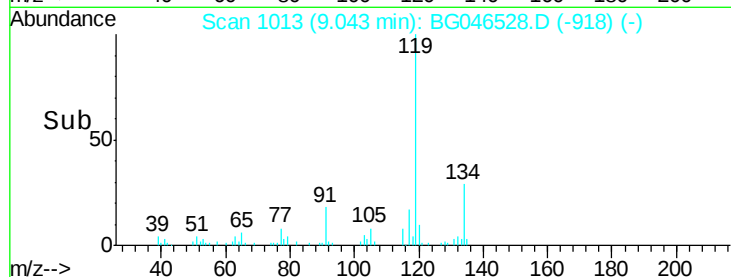
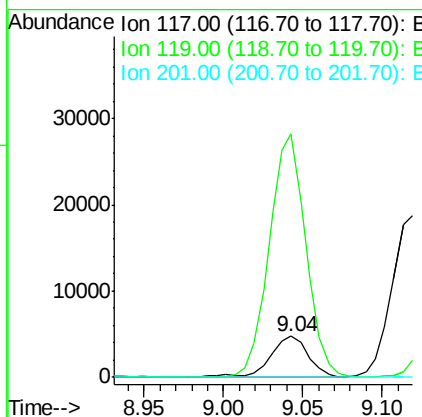
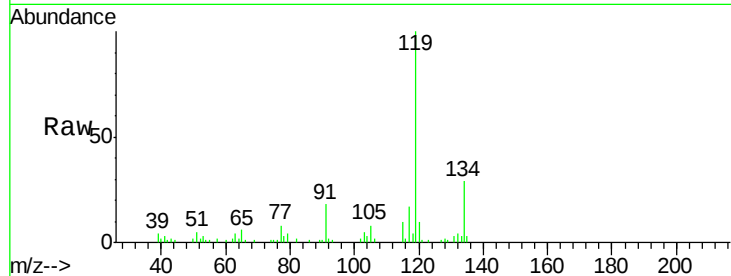




#18
 Hexachloroethane
 Concen: 4.072 ng
 RT: 9.04 min Scan# 1013
 Delta R.T. 0.03 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

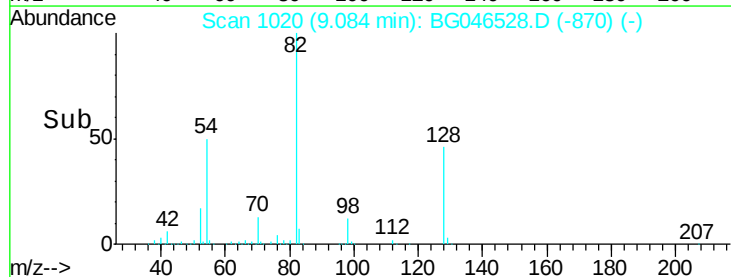
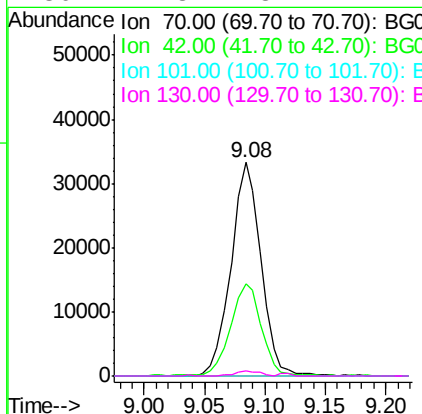
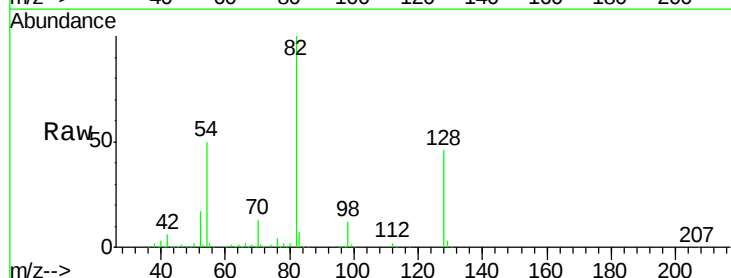
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

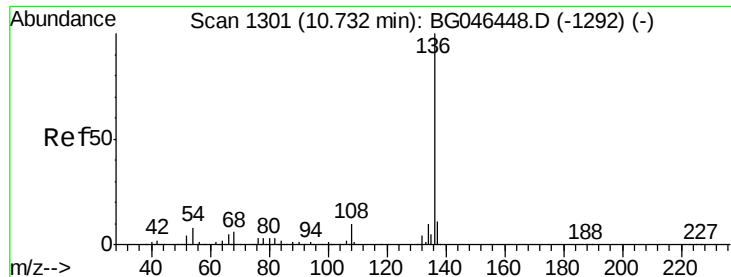
Tot Ion:117 Resp: 7917
 Ion Ratio Lower Upper
 117 100
 119 594.6 80.8 121.2#
 201 0.0 106.7 160.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.849 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. 0.35 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Tgt Ion: 70 Resp: 57364
 Ion Ratio Lower Upper
 70 100
 42 43.4 44.2 66.2#
 101 0.0 7.8 11.8#
 130 2.3 18.2 27.4#

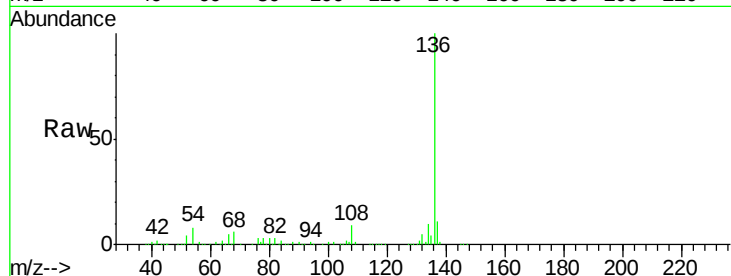




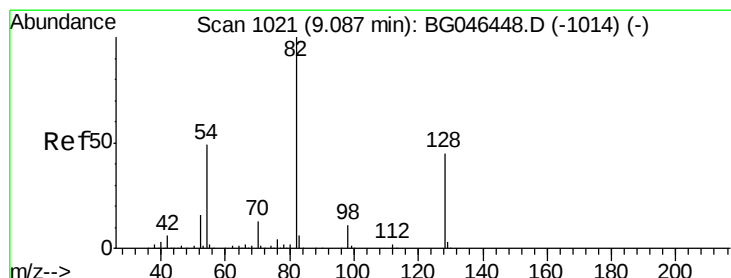
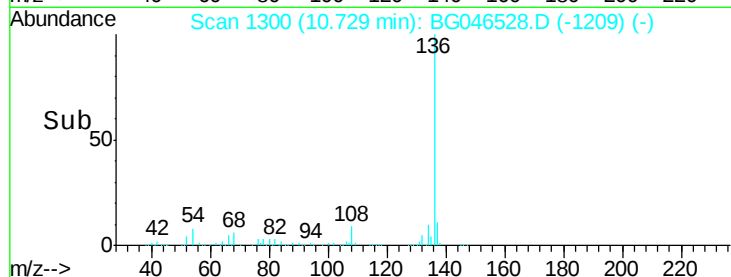
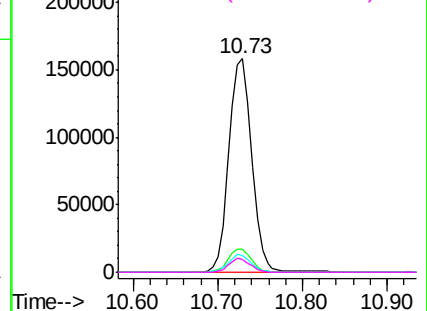
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Instrument :
BNA_G
ClientSampled :
TP-4

Tot Ion:136	Resp:	295779
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.8	13.2
54 7.8	6.1	9.1
68 6.0	4.8	7.2

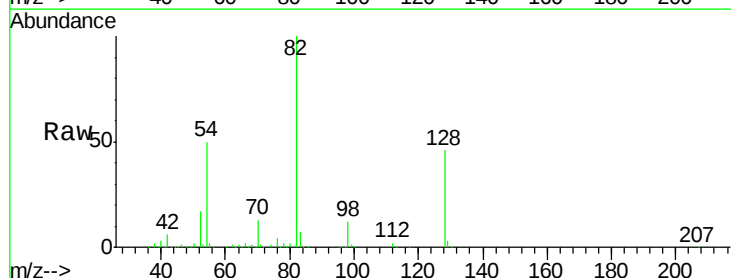


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

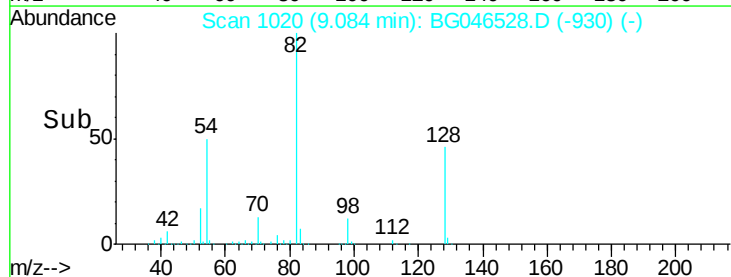
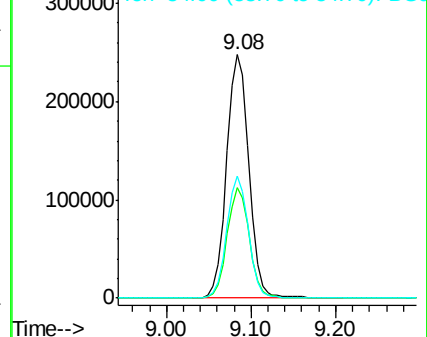


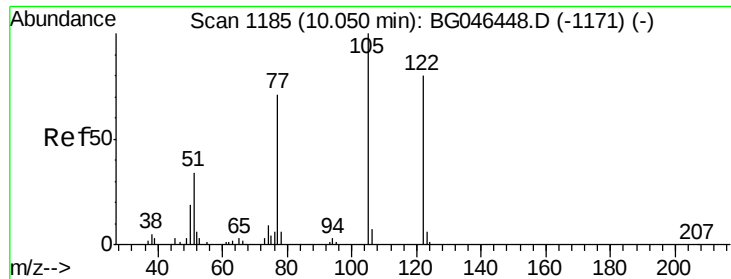
#23
Nitrobenzene-d5
Concen: 87.123 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Tgt	Ion: 82	Resp:	450862
Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.7	53.5
54	50.2	39.4	59.0



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

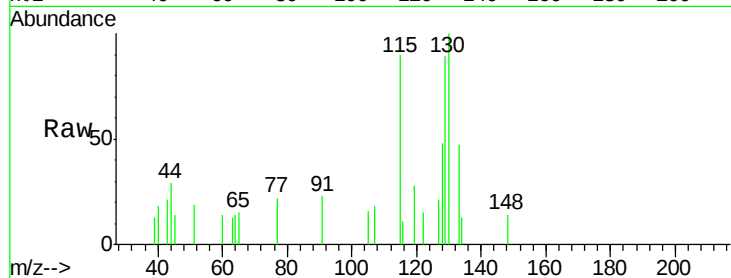




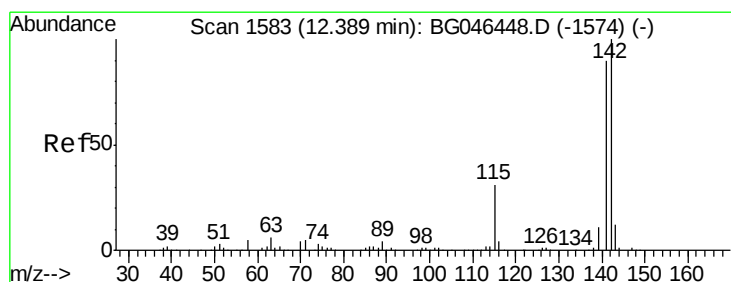
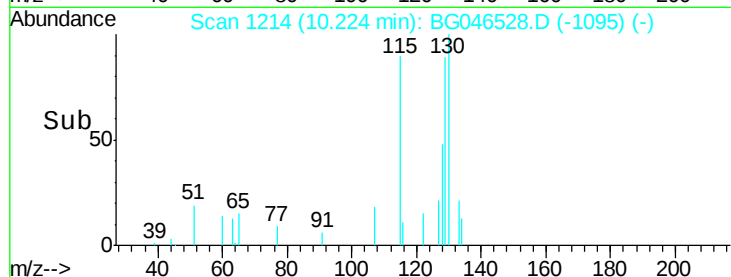
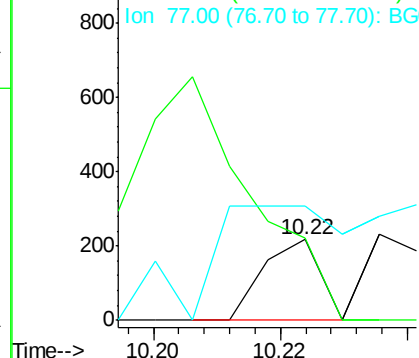
#32
Benzoic acid
Concen: 4.528 ng
RT: 10.22 min Scan# 1214
Delta R.T. 0.17 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
122	100		
105	102.3	102.5	142.5#
77	141.9	68.2	108.2#

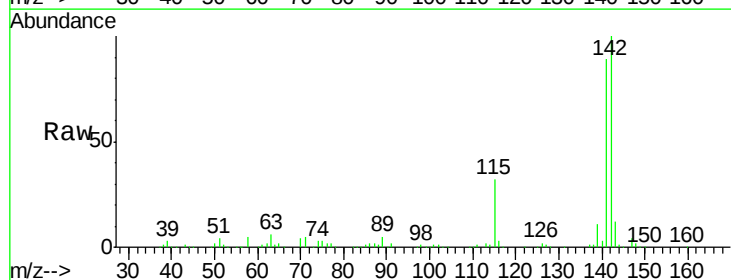


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

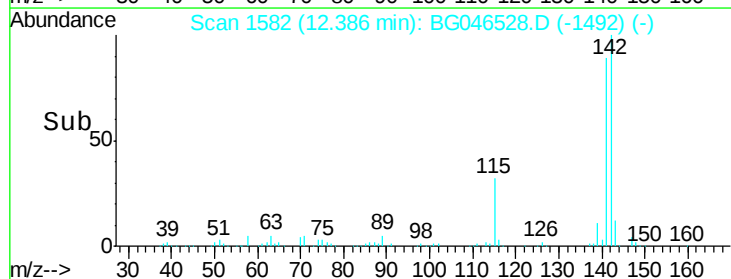
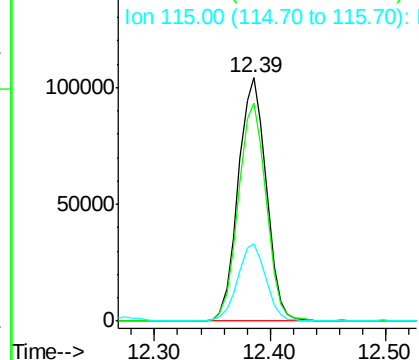


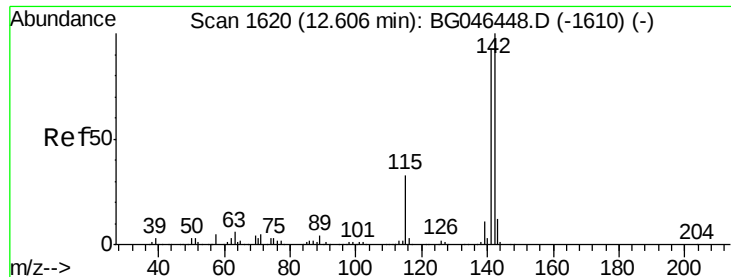
#37
2-Methylnaphthalene
Concen: 15.418 ng
RT: 12.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.1	108.1
115	31.9	24.9	37.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

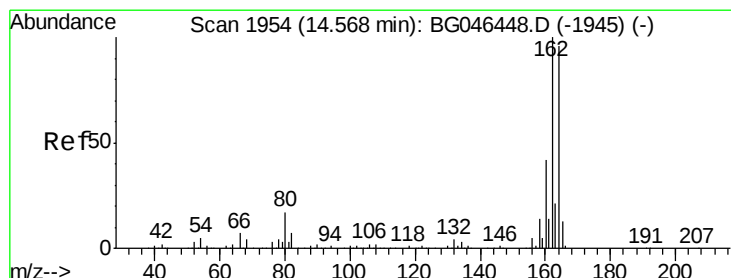
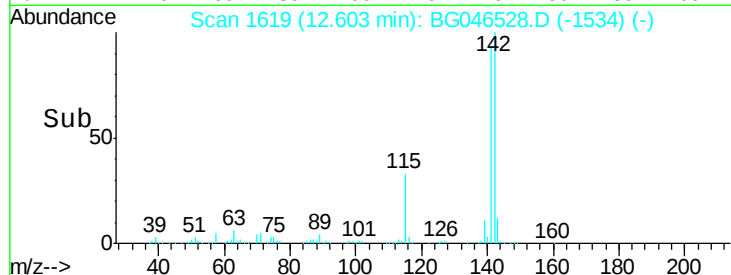
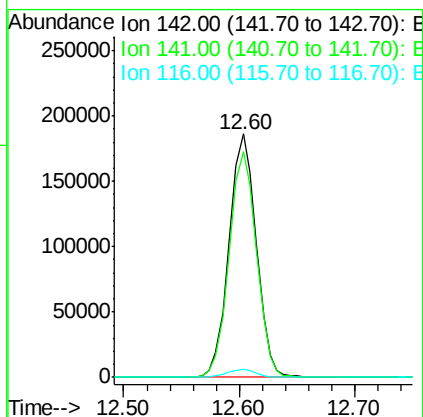
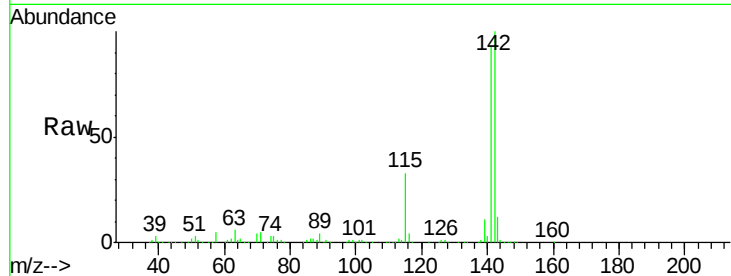




#38
1-Methylnaphthalene
Concen: 28.286 ng
RT: 12.60 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

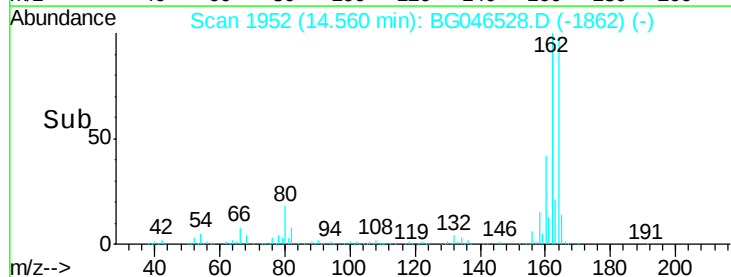
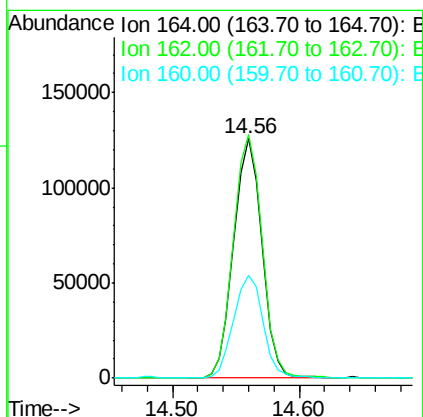
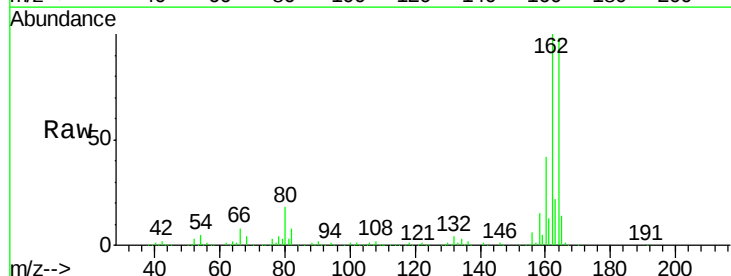
Instrument :
BNA_G
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TP-4

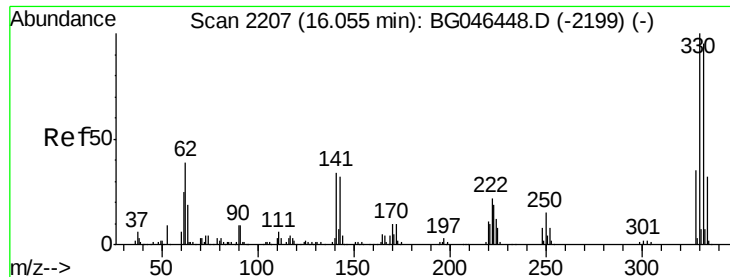
Tot Ion:142 Resp: 305173
Ion Ratio Lower Upper
142 100
141 92.5 74.7 112.1
116 3.5 2.6 4.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Tgt Ion:164 Resp: 194795
Ion Ratio Lower Upper
164 100
162 101.6 83.3 124.9
160 43.1 35.0 52.6

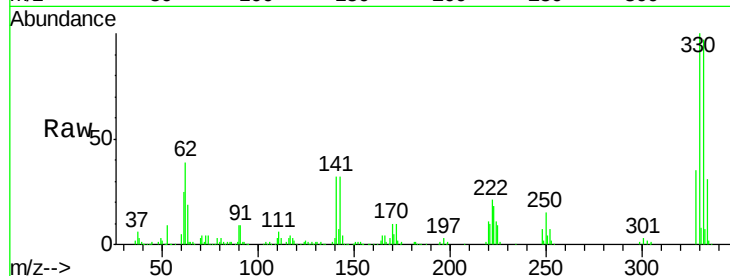




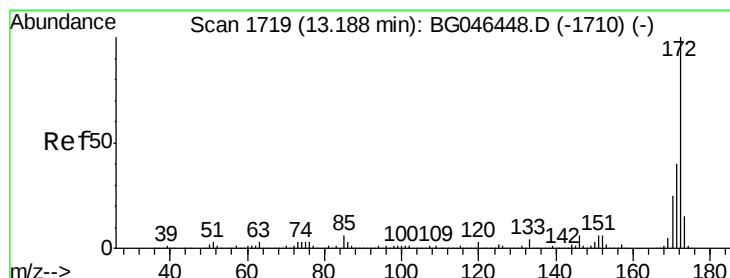
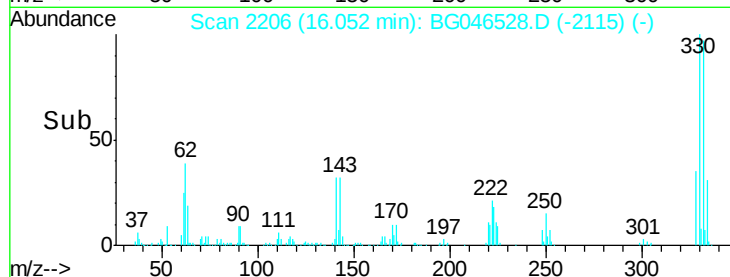
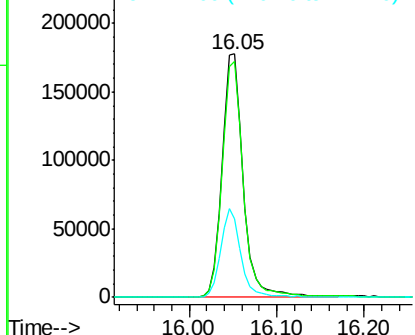
#42
 2,4,6-Tribromophenol
 Concen: 113.133 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tot Ion:330 Resp: 298595
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.1 114.1
 141 34.5 26.1 39.1

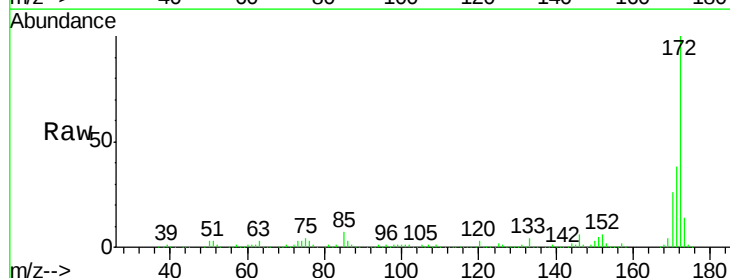


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

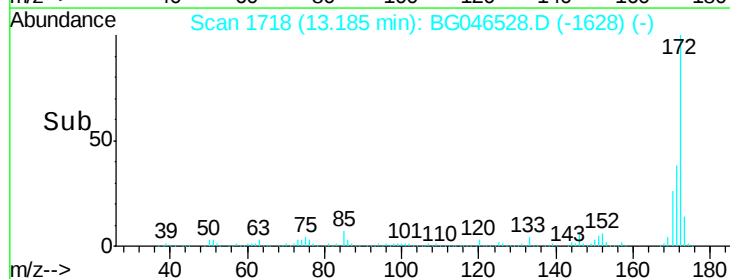
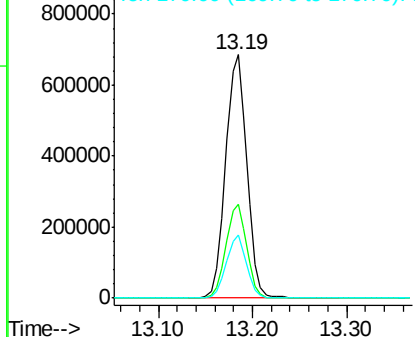


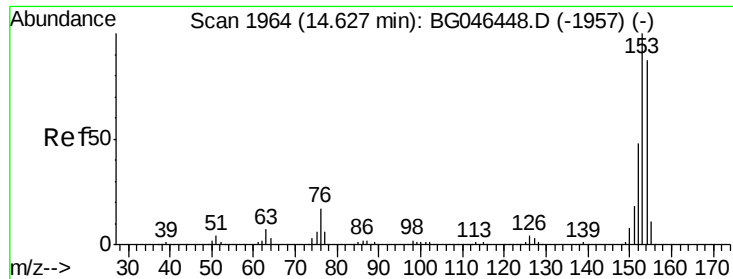
#45
 2-Fluorobiphenyl
 Concen: 83.957 ng
 RT: 13.19 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Tgt Ion:172 Resp: 1071327
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.8 47.6
 170 25.7 20.3 30.5



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





#52

Acenaphthene

Concen: 2.755 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

Instrument :

BNA_G

ClientSampled :

TP-4

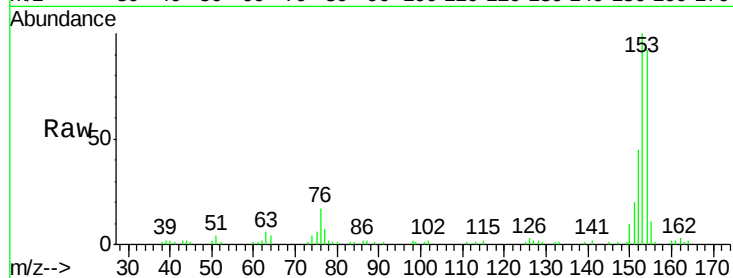
Tot Ion:154 Resp: 29753

Ion Ratio Lower Upper

154 100

153 108.2 91.9 137.9

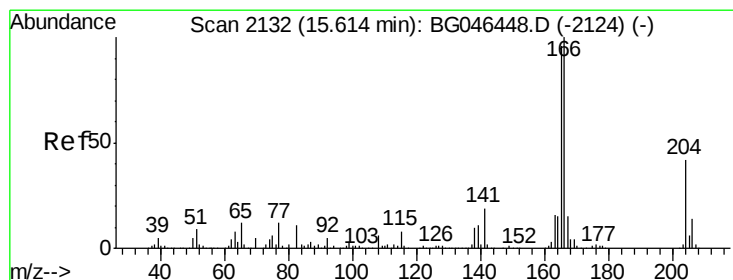
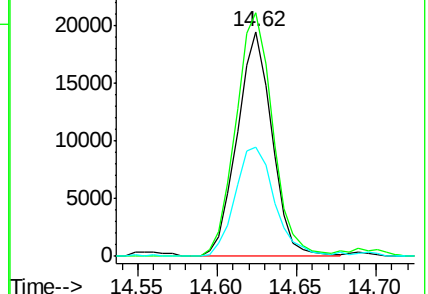
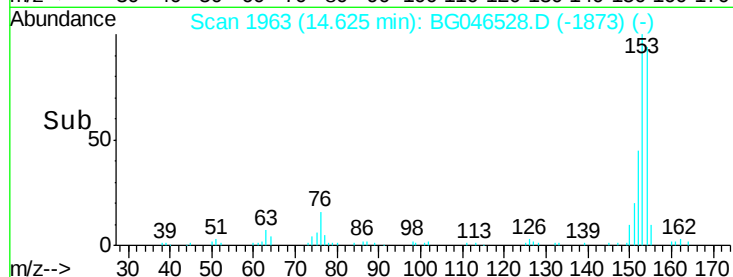
152 48.7 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.356 ng

RT: 15.61 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

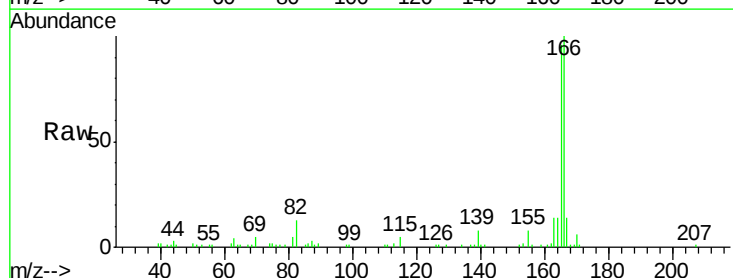
Tgt Ion:166 Resp: 34277

Ion Ratio Lower Upper

166 100

165 96.4 77.0 115.4

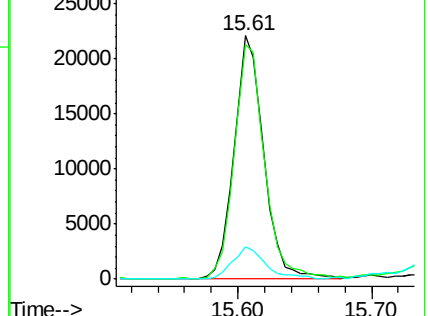
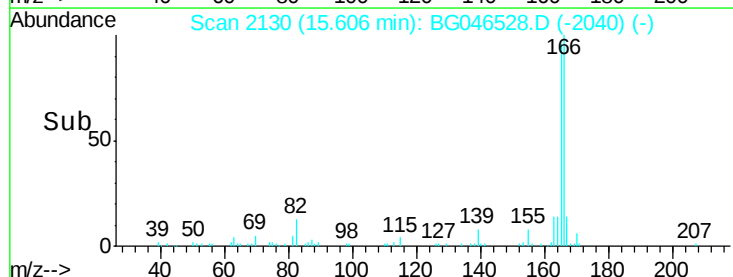
167 13.5 11.8 17.6

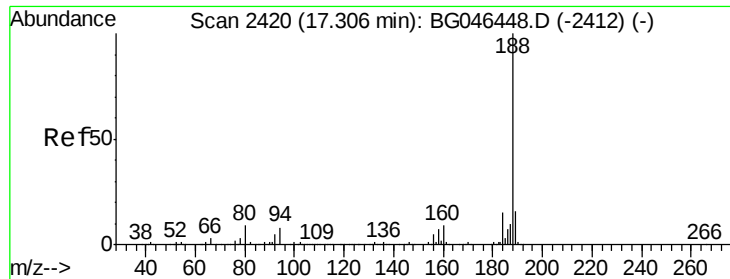


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

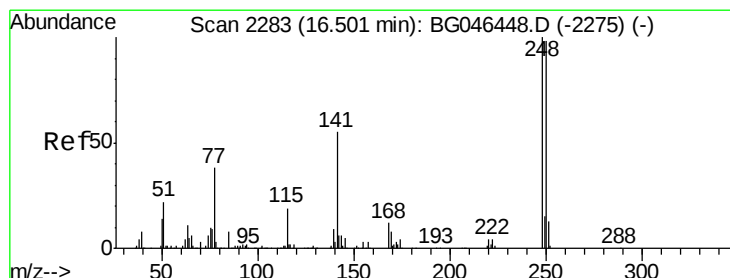
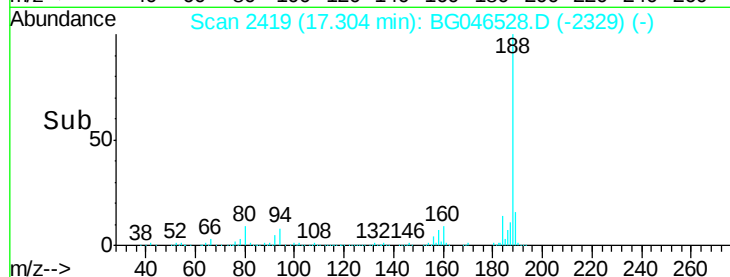
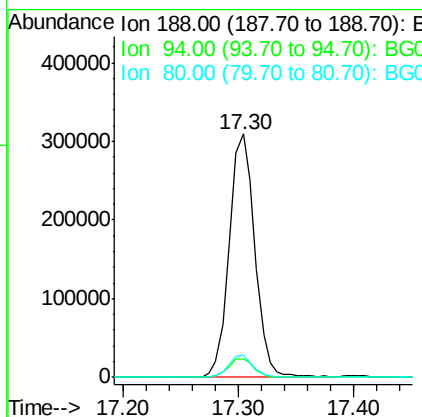
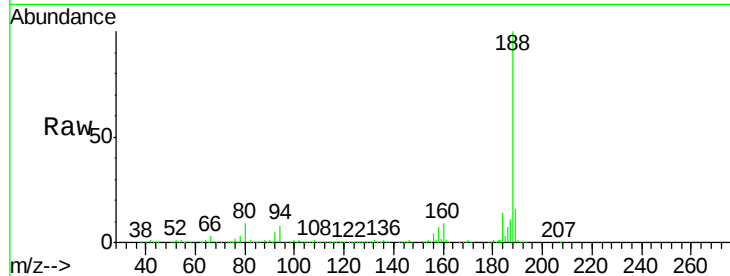




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

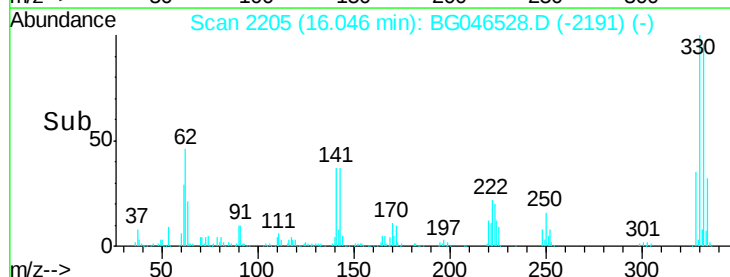
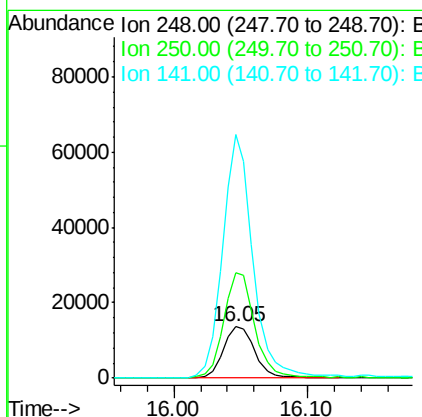
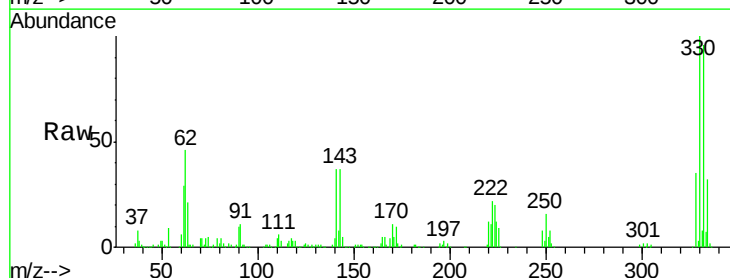
Instrument :
BNA_G
ClientSampleId :
TP-4

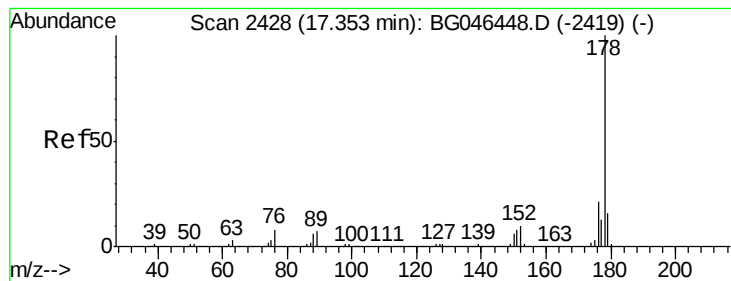
Tot Ion:188 Resp: 474840
Ion Ratio Lower Upper
188 100
94 7.6 6.3 9.5
80 9.0 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.121 ng
RT: 16.05 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

Tgt Ion:248 Resp: 22831
Ion Ratio Lower Upper
248 100
250 207.0 78.6 118.0#
141 475.6 43.9 65.9#





#71

Phenanthrene

Concen: 2.533 ng

RT: 17.34 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

Instrument :

BNA_G

ClientSampled :

TP-4

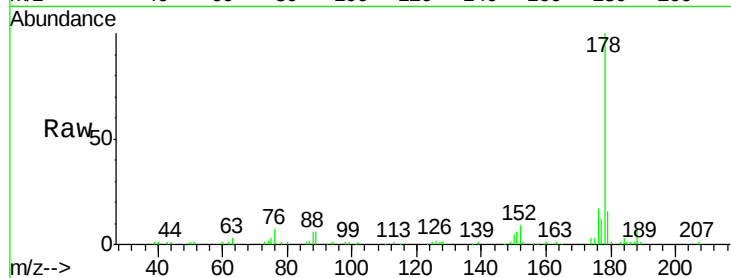
Tot Ion:178 Resp: 60955

Ion Ratio Lower Upper

178 100

176 17.4 16.8 25.2

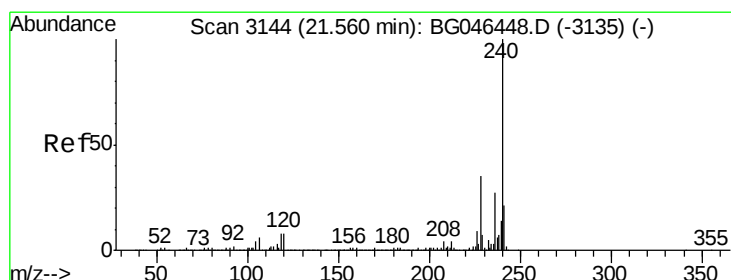
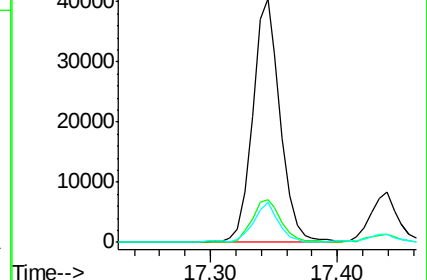
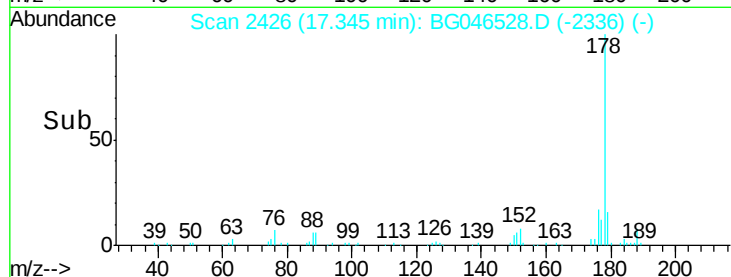
179 16.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

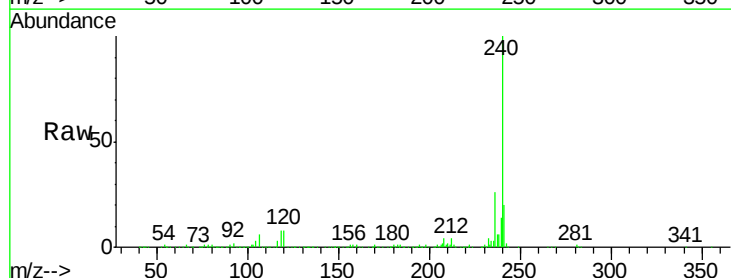
Tgt Ion:240 Resp: 510409

Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

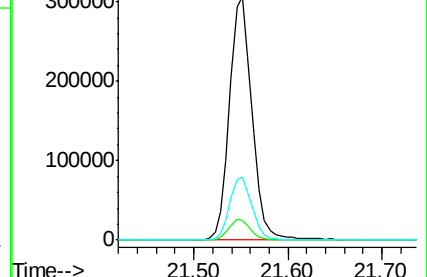
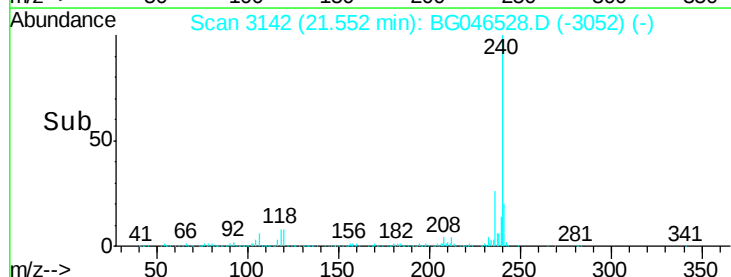
236 25.7 21.4 32.2

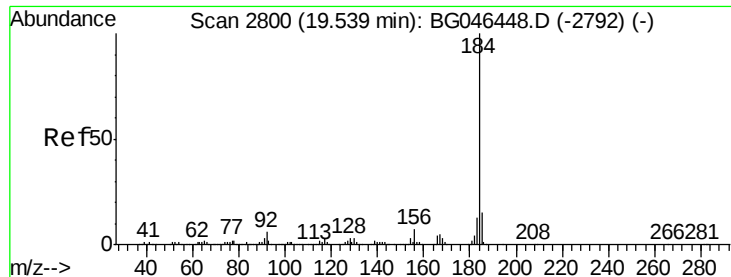


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.440 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

Instrument :

BNA_G

ClientSampleId :

TP-4

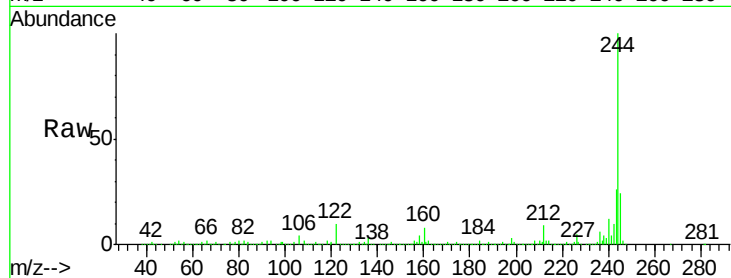
Tot Ion:184 Resp: 28944

Ion Ratio Lower Upper

184 100

185 17.1 11.8 17.8

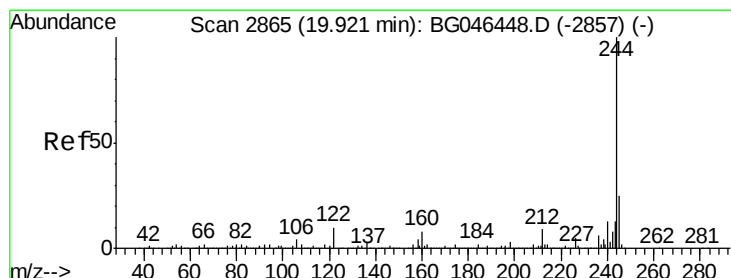
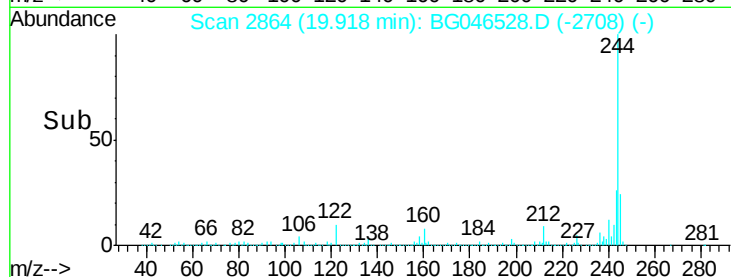
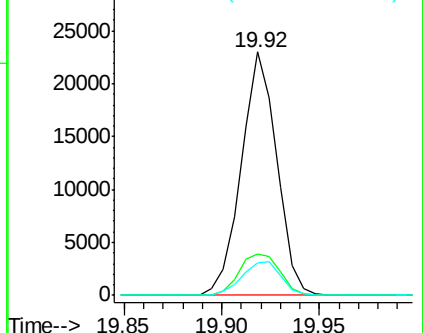
183 13.4 10.7 16.1



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: 77.352 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046528.D

Acq: 3 Sep 2020 22:53

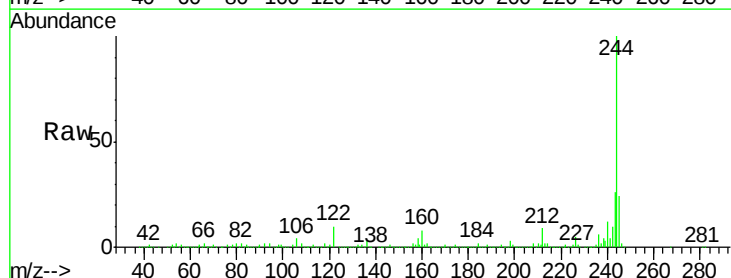
Tgt Ion:244 Resp: 1855164

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

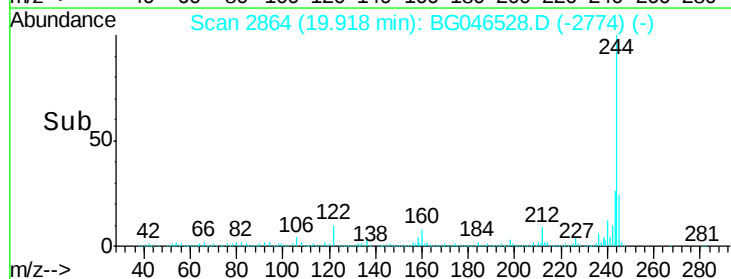
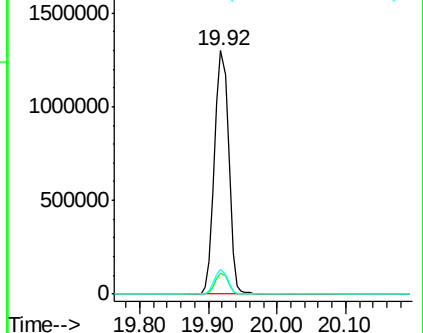
122 10.0 8.2 12.4

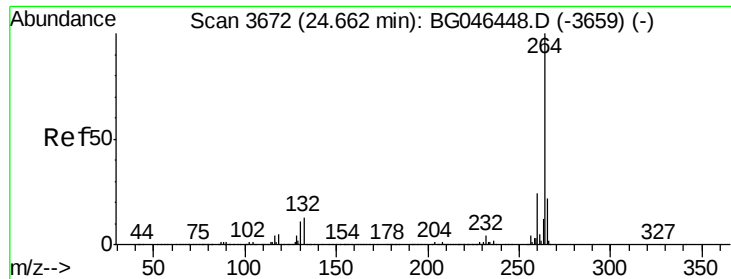


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

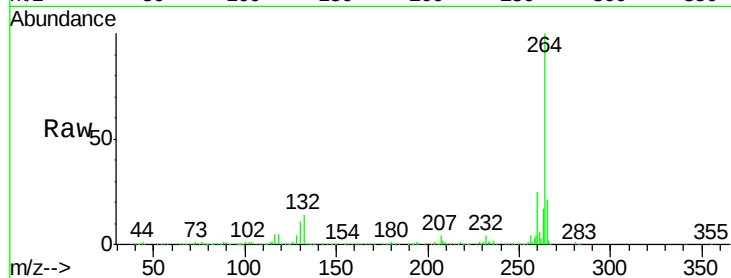




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.65 min Scan# 3670
 Delta R.T. -0.00 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.3	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

