

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 02:24:27 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

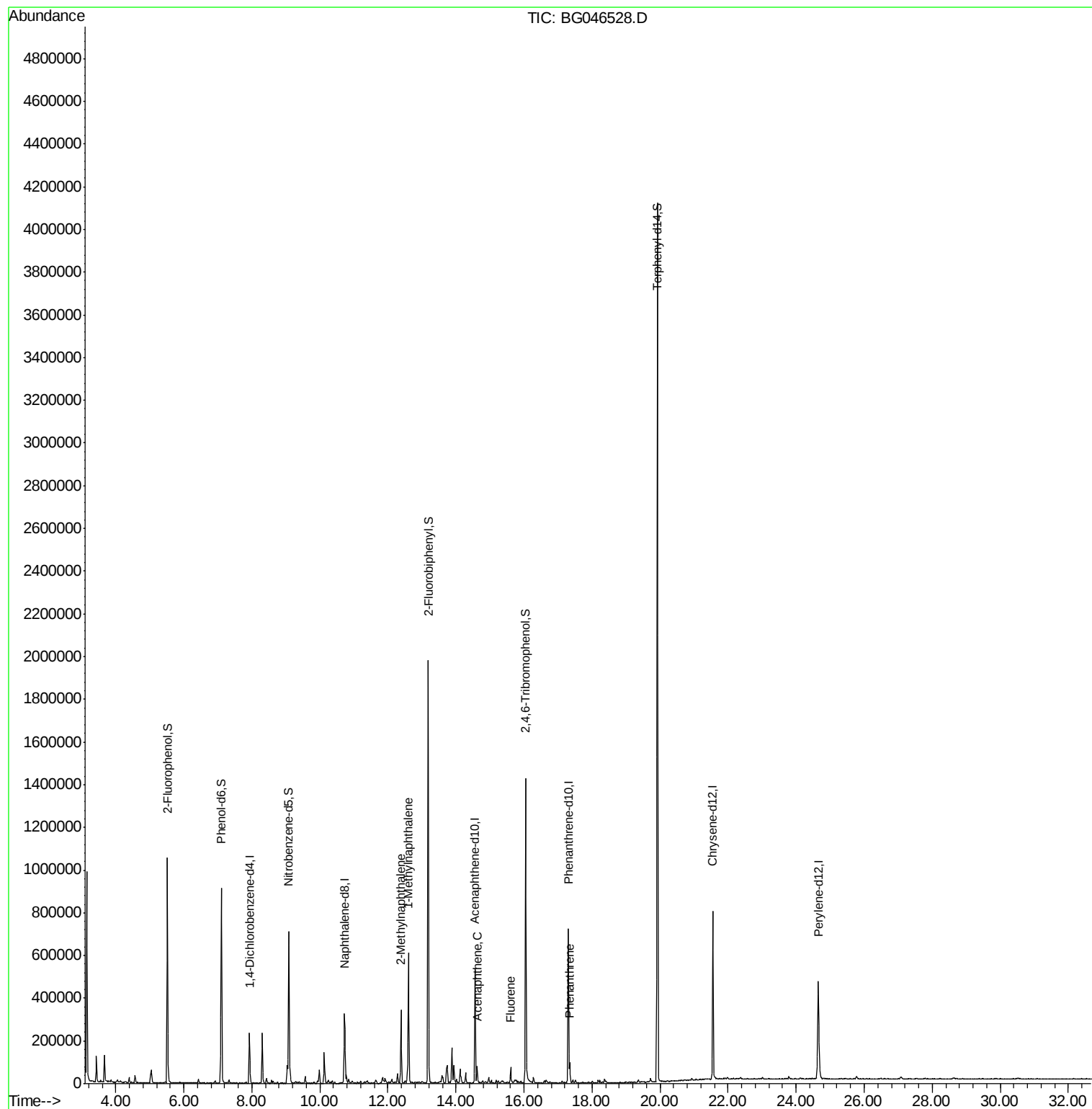
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75601	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	295779	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	194795	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	474840	20.00	ng	0.00
76) Chrysene-d12	21.55	240	510409	20.00	ng	0.00
86) Perylene-d12	24.65	264	499280	20.00	ng	0.00
System Monitoring Compounds						
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						
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
71) Phenanthrene	17.34	178	60955	2.533	ng	95

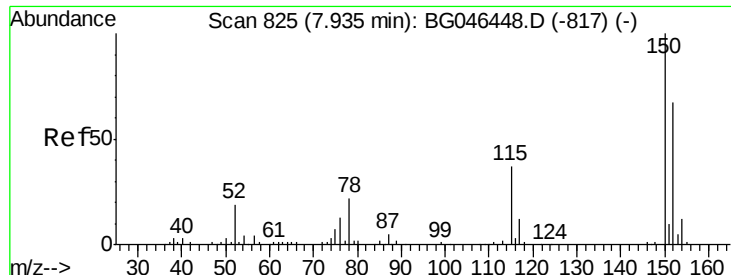
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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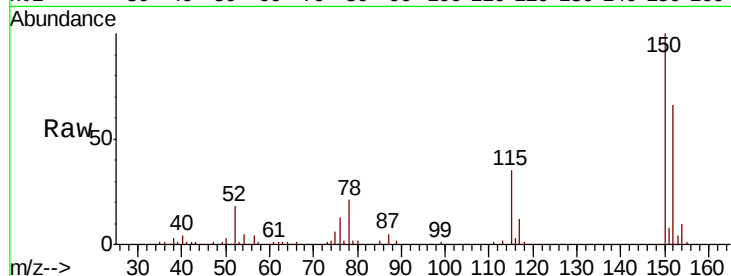


#1

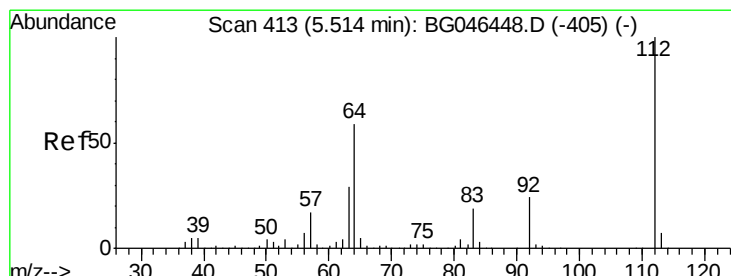
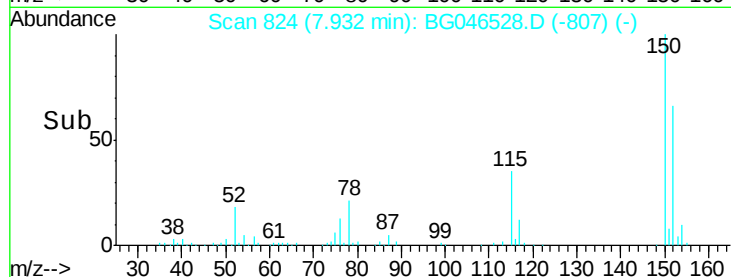
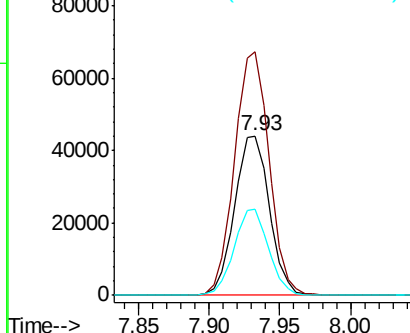
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

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



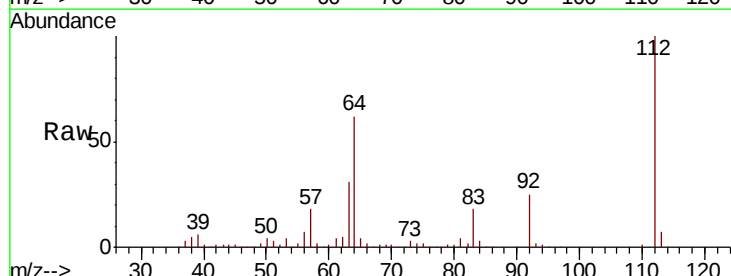
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



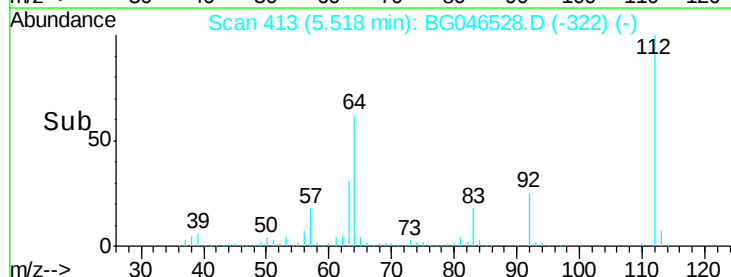
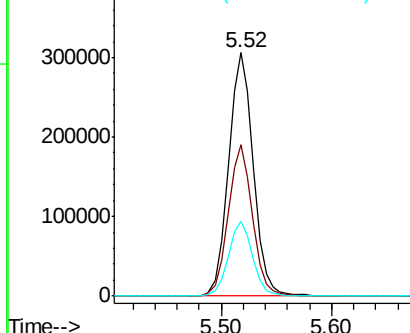
#5

2-Fluorophenol
Concen: 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

Tgt 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): E
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

Instrument :

BNA_G

ClientSampleId :

TP-4

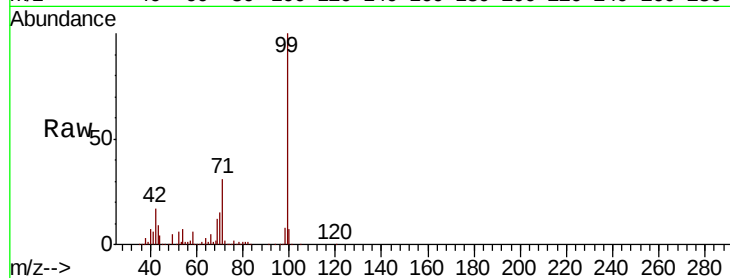
Tot Ion: 99 Resp: 568914

Ion Ratio Lower Upper

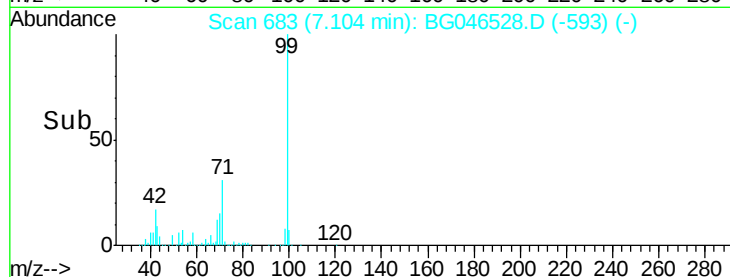
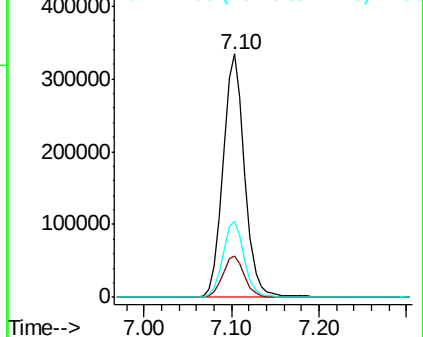
99 100

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



#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

Tgt Ion: 136 Resp: 295779

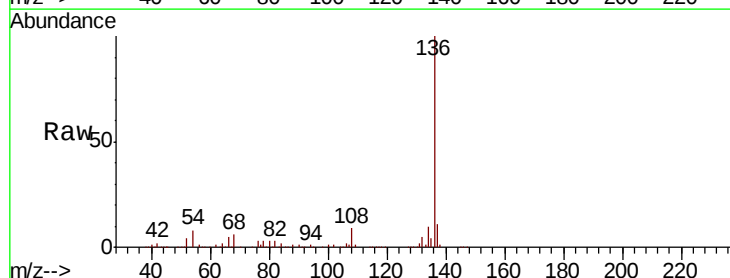
Ion Ratio Lower Upper

136 100

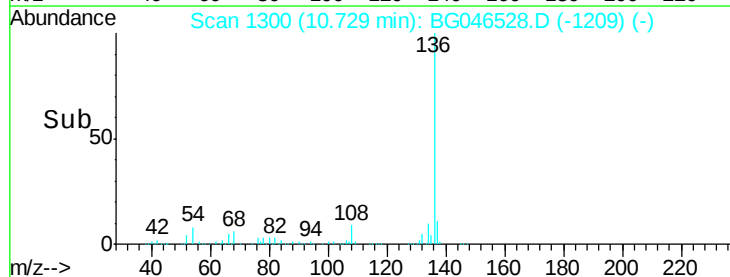
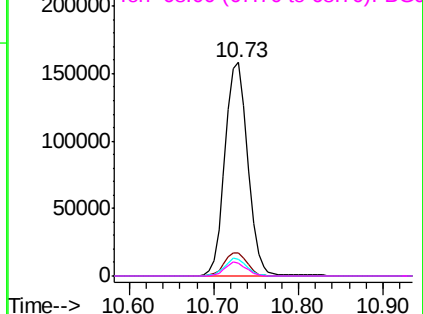
137 11.0 8.8 13.2

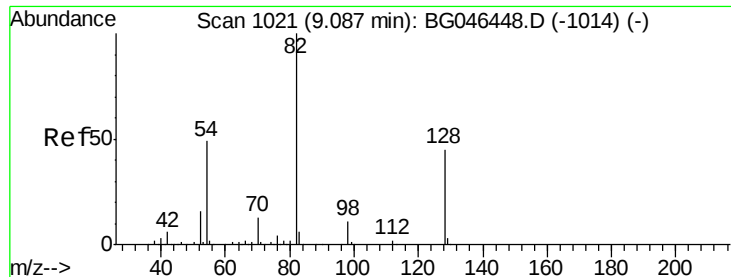
54 7.8 6.1 9.1

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

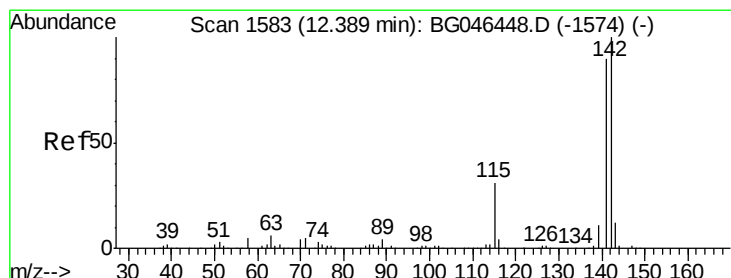
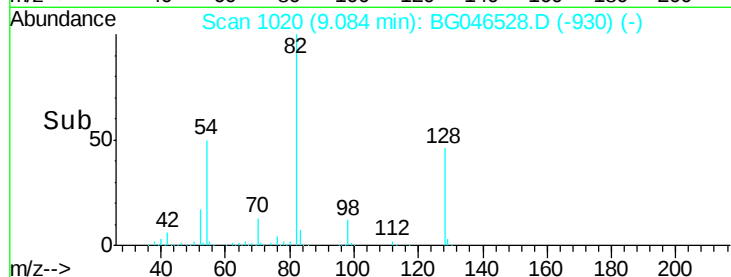
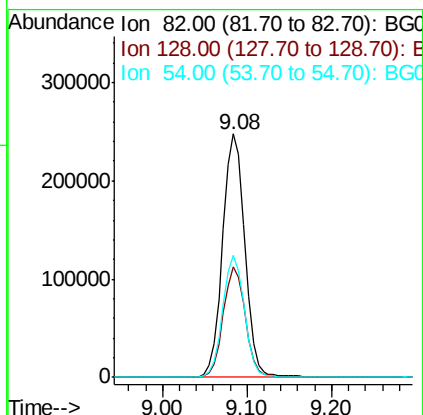
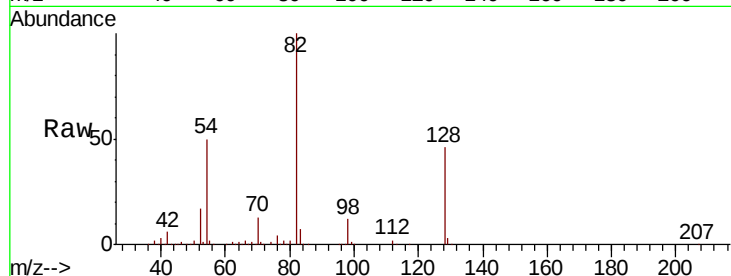




#23
Nitrobenzene-d5
Concen: 87.123 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

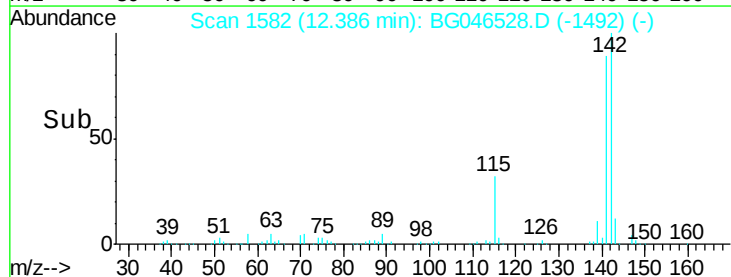
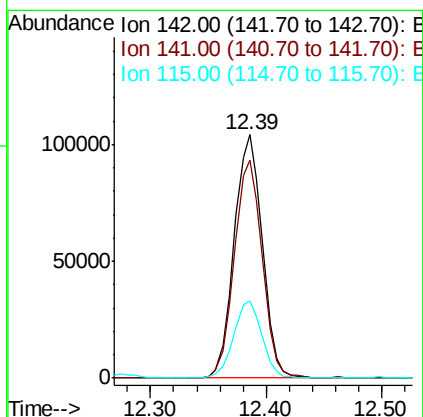
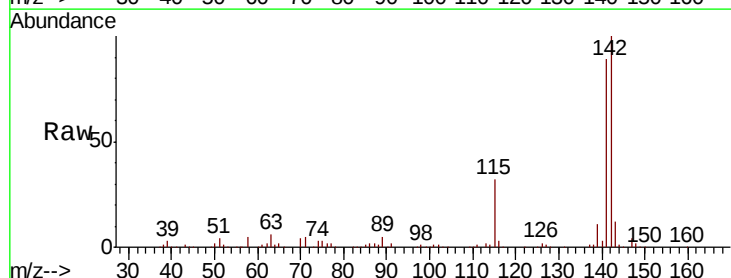
Instrument :
BNA_G
ClientSampleId :
TP-4

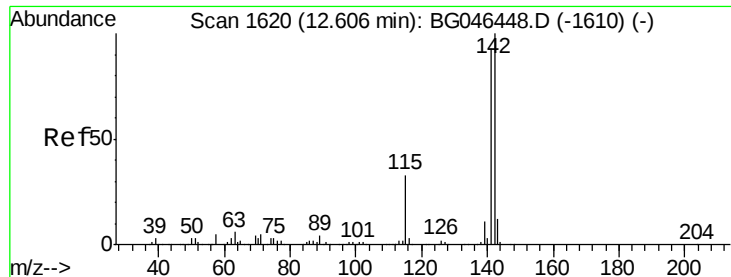
Tot Ion	82	Resp	450862
Ion Ratio	100	Lower	Upper
128	45.6	35.7	53.5
54	50.2	39.4	59.0



#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	142	Resp	175610
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
141	89.4	72.1	108.1
115	31.9	24.9	37.3

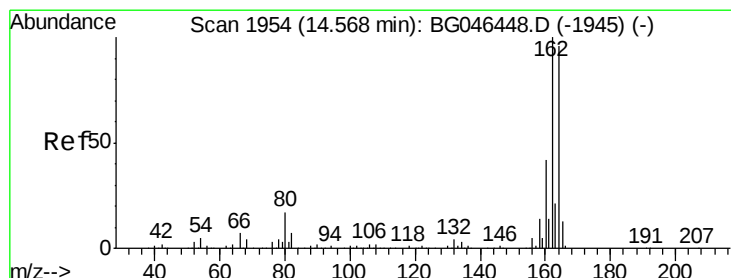
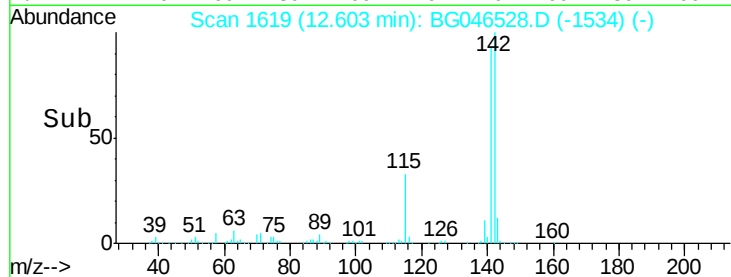
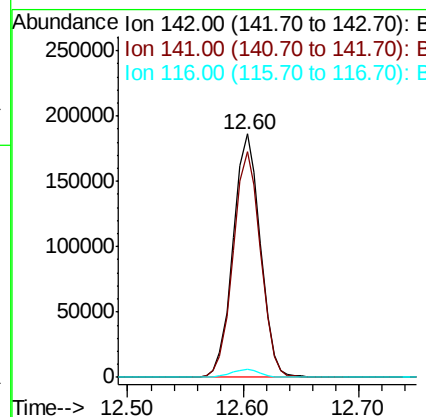
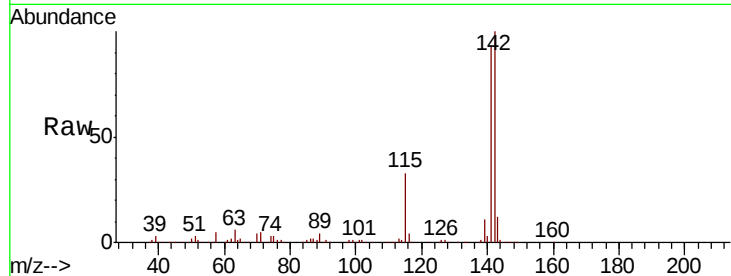




#38
1-Methylnaphthalene
Concen: 28.286 ng
RT: 12.60 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BG046528.D
Acq: 3 Sep 2020 22:53

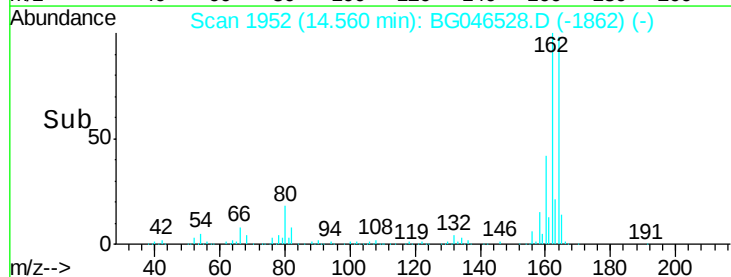
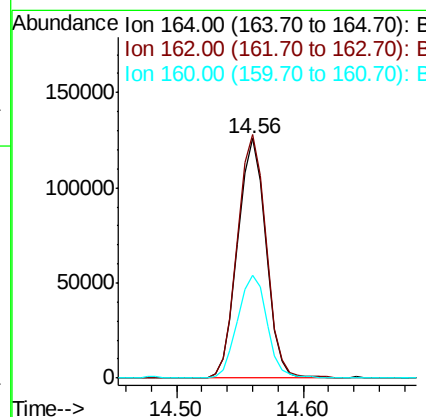
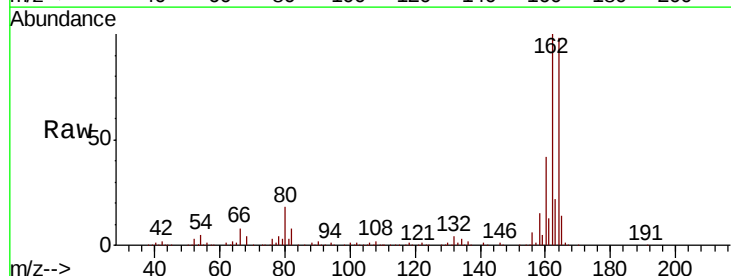
Instrument :
BNA_G
ClientSampled :
TP-4

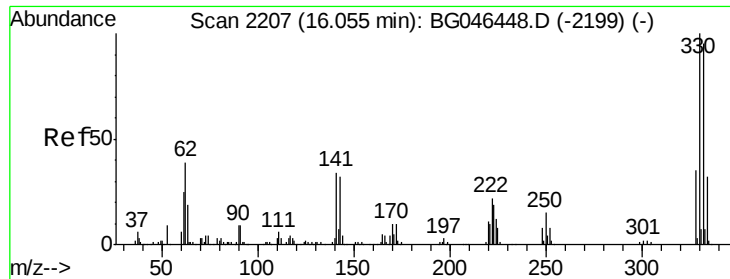
Tot Ion:142 Resp: 305173
Ion Ratio Lower Upper
142 100
141 92.5 74.7 112.1
116 3.5 2.6 4.0



#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

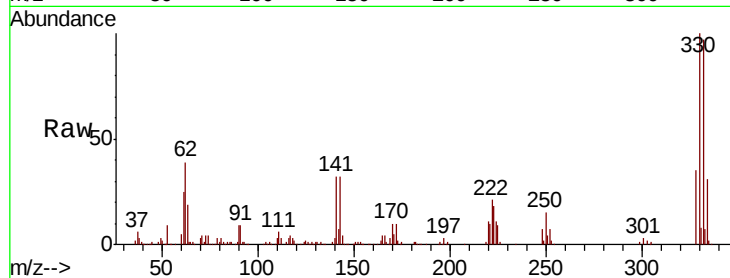




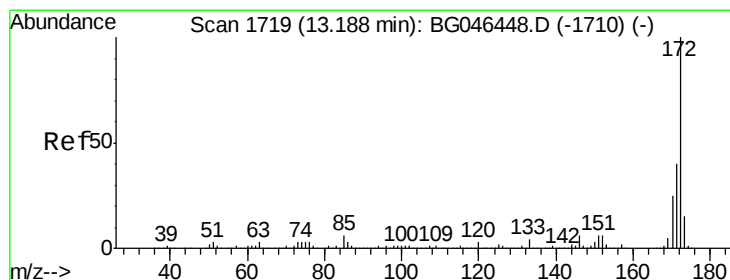
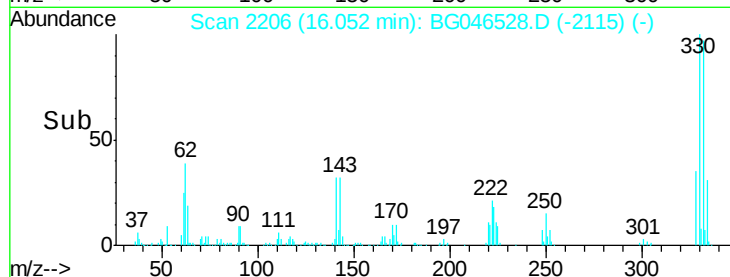
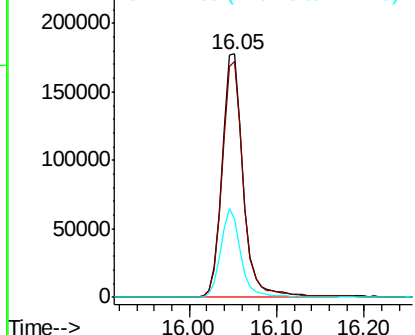
#42
 2,4,6-Tribromophenol
 Concen: 113.133 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

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

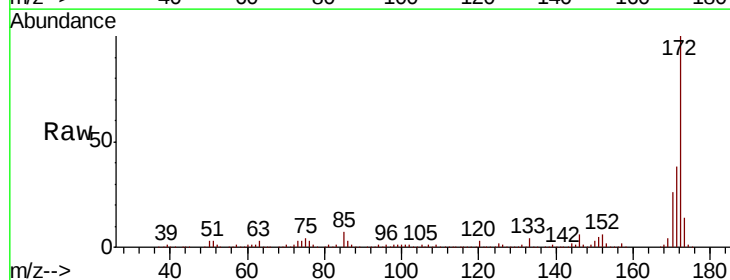


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

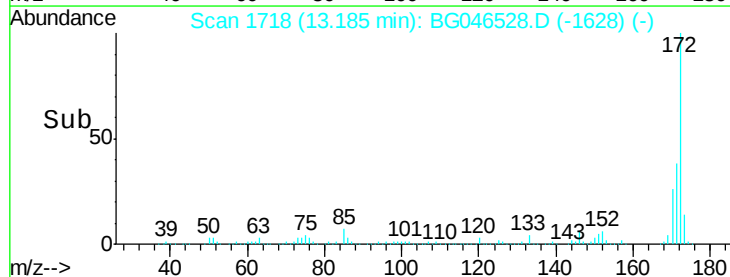
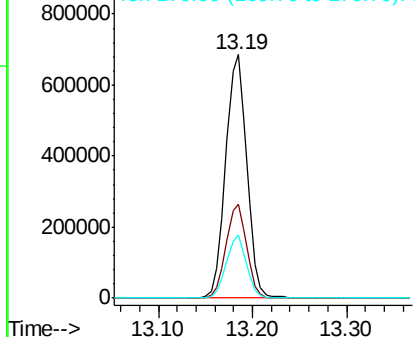


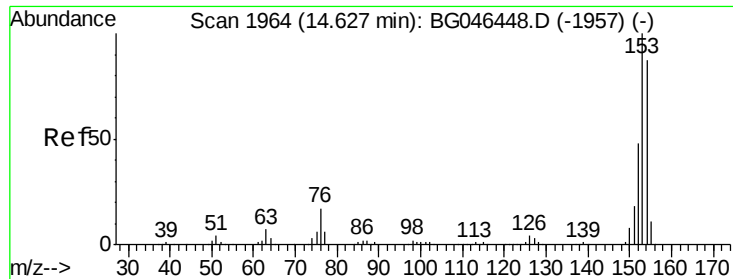
#45
 2-Fluorobiphenyl
 Concen: 83.957 ng
 RT: 13.19 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046528.D
 Acq: 3 Sep 2020 22:53

Tgt Ion	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

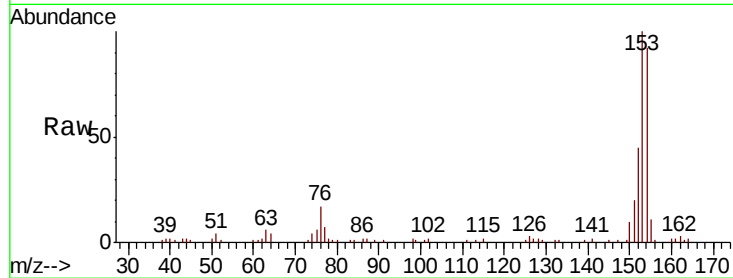
Tot Ion:154 Resp: 29753

Ion Ratio Lower Upper

154 100

153 108.2 91.9 137.9

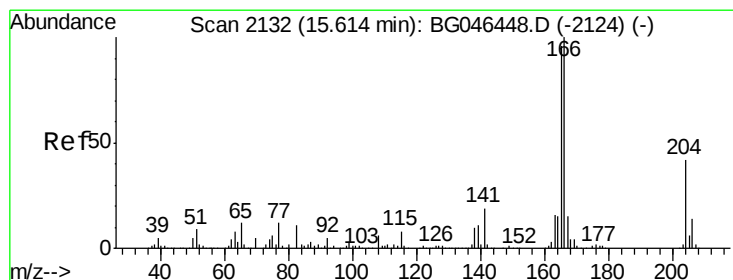
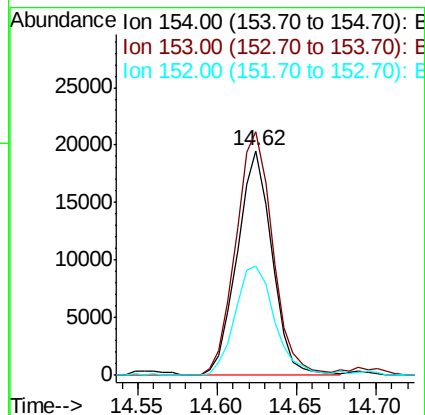
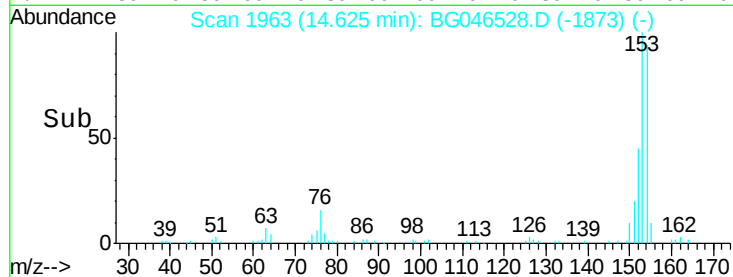
152 48.7 43.8 65.6



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

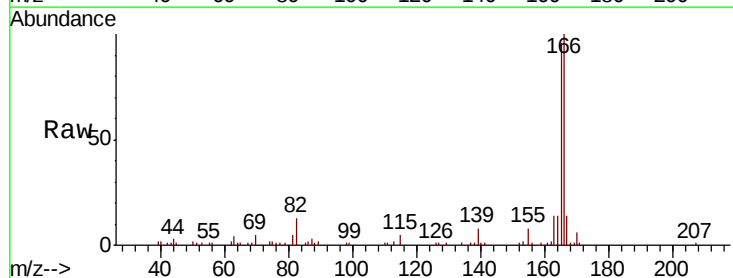
Tgt Ion:166 Resp: 34277

Ion Ratio Lower Upper

166 100

165 96.4 77.0 115.4

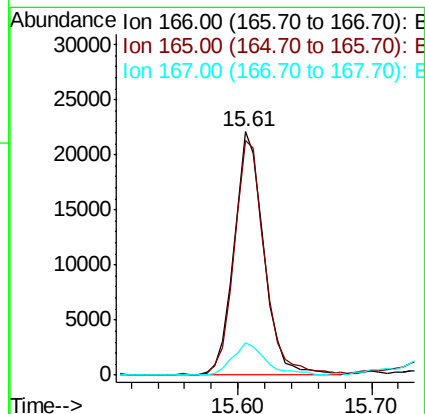
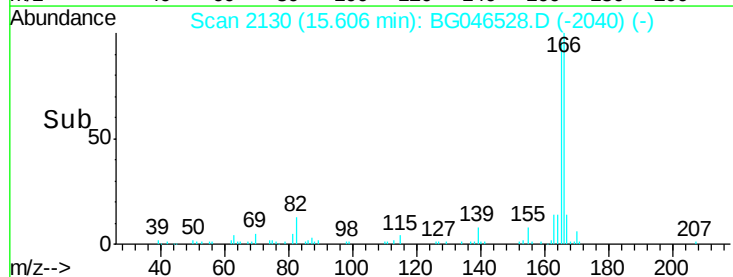
167 13.5 11.8 17.6

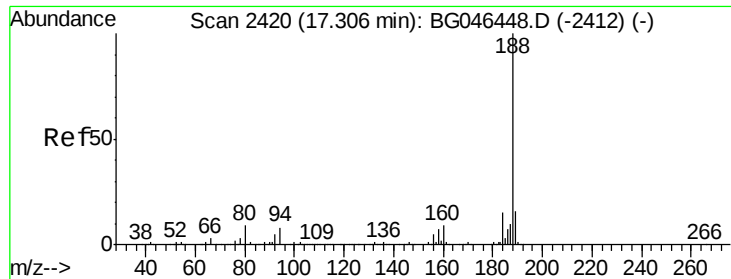


Abundance Ion 166.00 (165.70 to 166.70): E

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

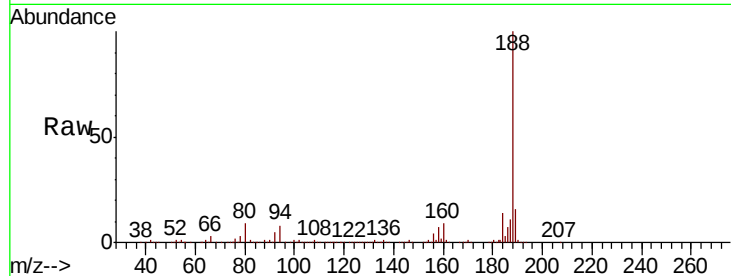
Tot Ion:188 Resp: 474840

Ion Ratio Lower Upper

188 100

94 7.6 6.3 9.5

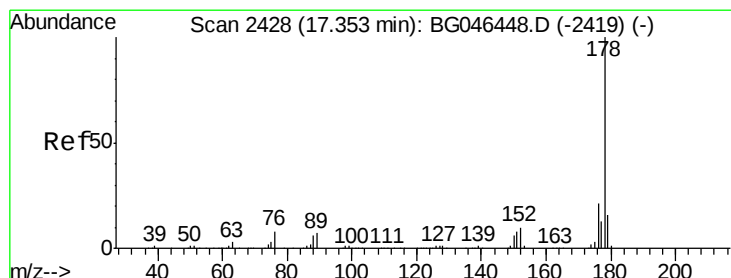
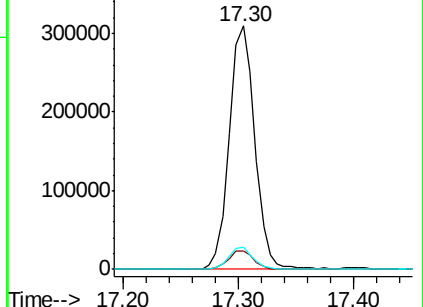
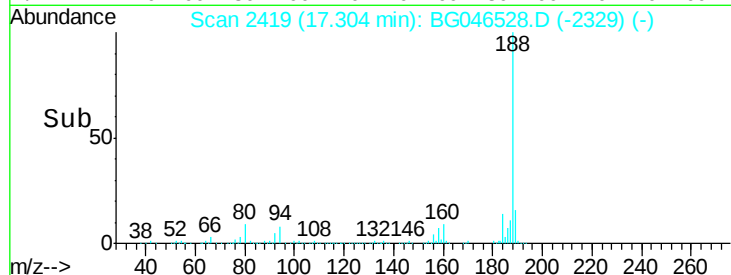
80 9.0 6.9 10.3



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



#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

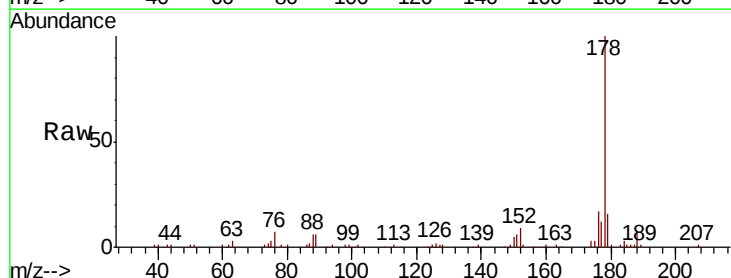
Tgt Ion:178 Resp: 60955

Ion Ratio Lower Upper

178 100

176 17.4 16.8 25.2

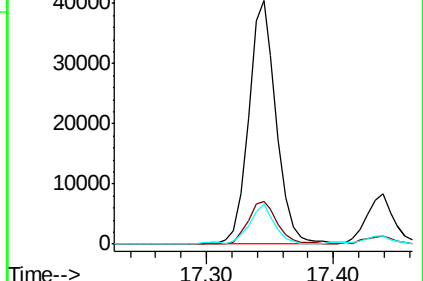
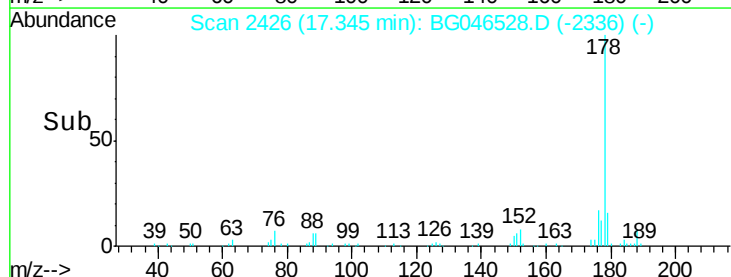
179 16.2 13.2 19.8

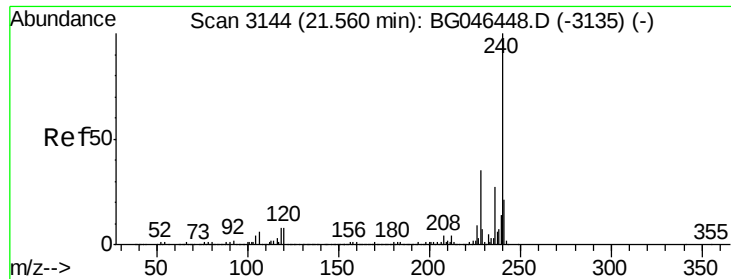


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_G

ClientSampleId :

TP-4

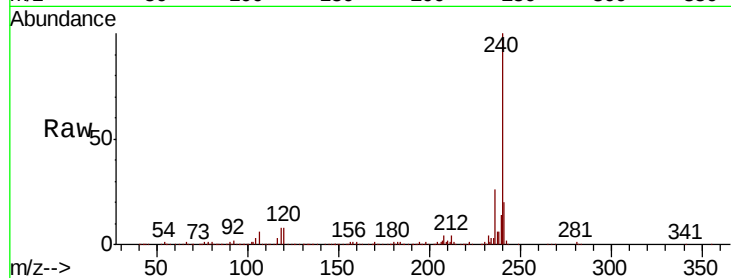
Tot Ion:240 Resp: 510409

Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

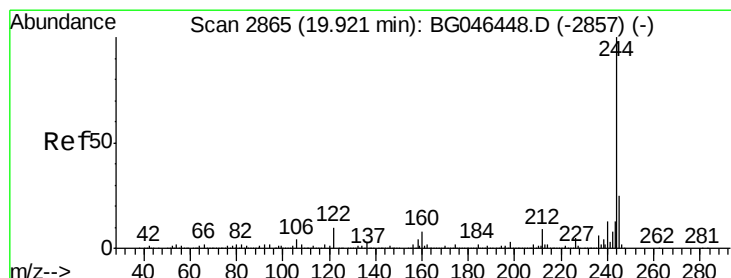
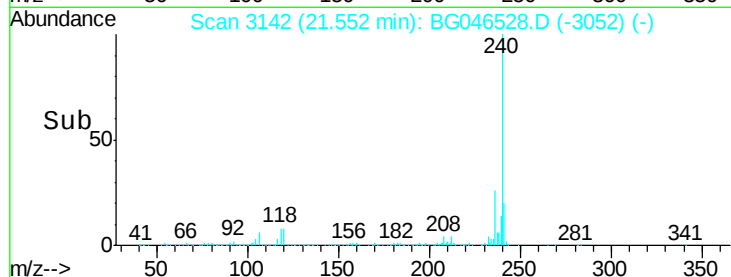
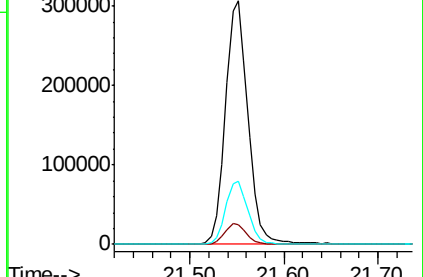
236 25.7 21.4 32.2



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



#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

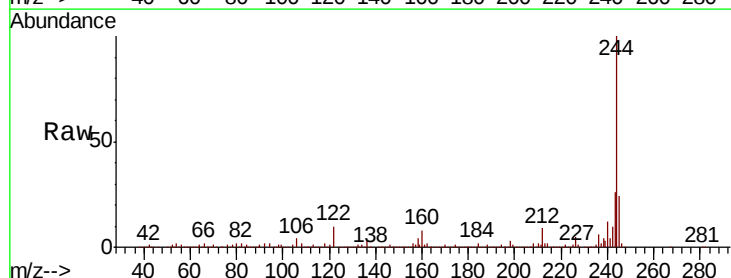
Tgt Ion:244 Resp: 1855164

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

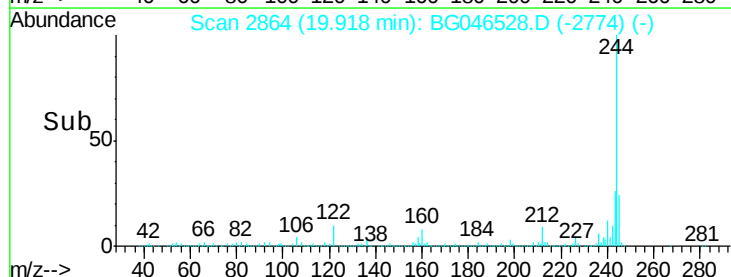
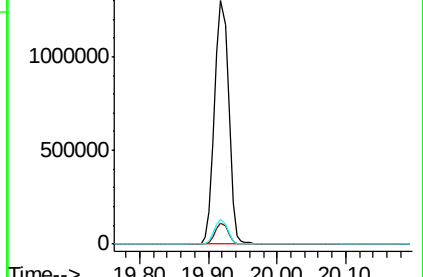
122 10.0 8.2 12.4

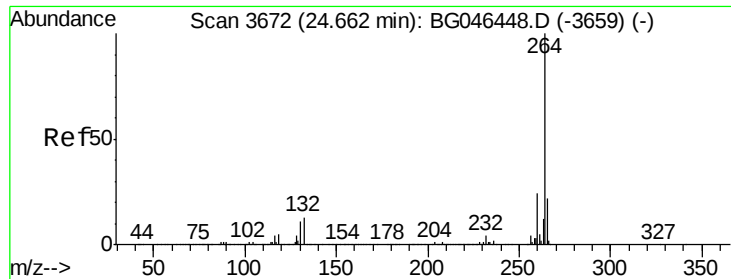


Abundance Ion 244.00 (243.70 to 244.70): E

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

