

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033167.D
 Acq On : 15 Mar 2018 5:45
 Operator : SJ/JU
 Sample : J1754-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-031318-C

Quant Time: Mar 15 06:41:25 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

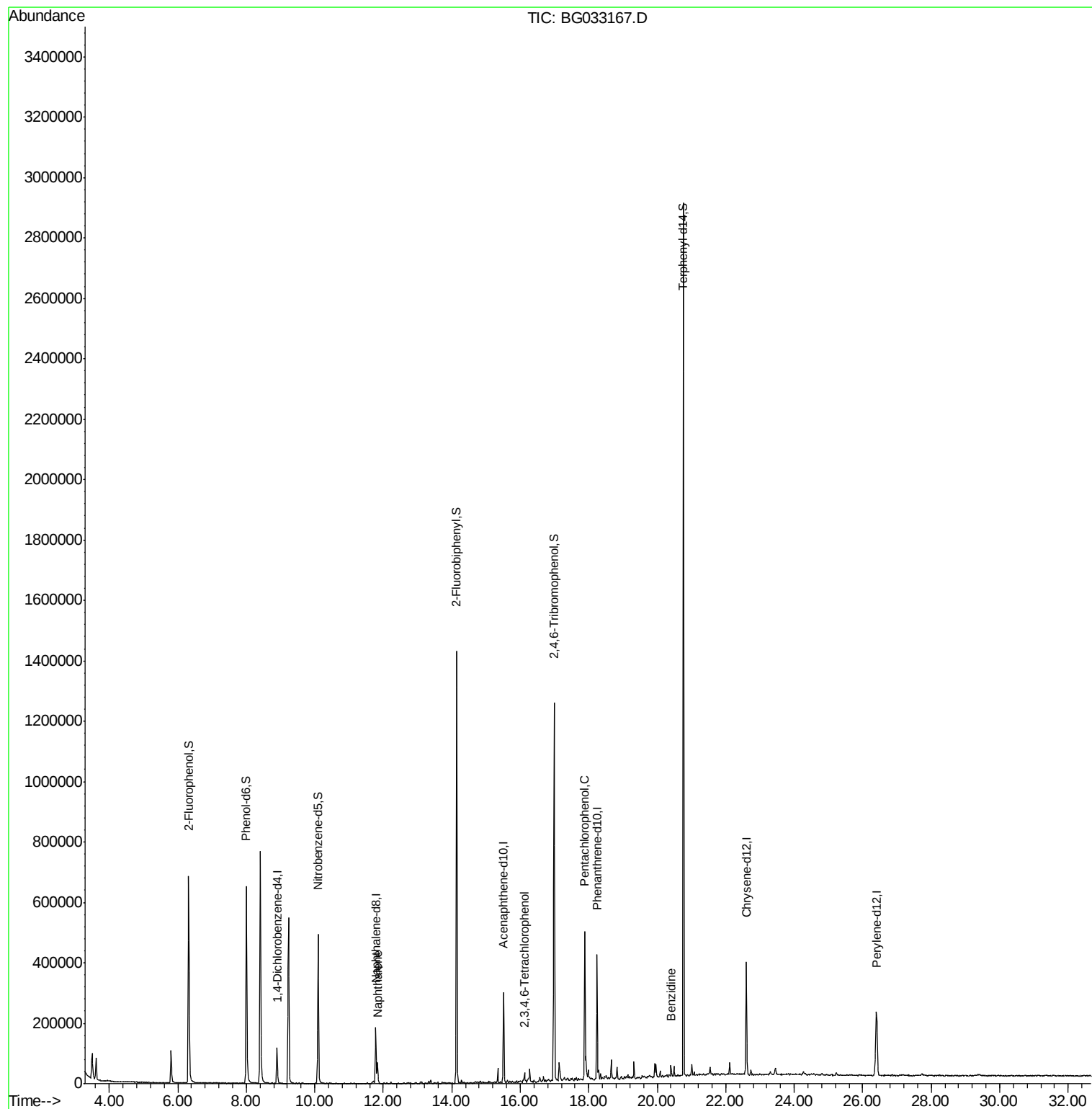
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	37638	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	169332	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	103577	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	254912	20.00	ng	0.00
75) Chrysene-d12	22.60	240	250469	20.00	ng	0.00
86) Perylene-d12	26.40	264	265102	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	350309	148.90	ng	0.00
7) Phenol-d6	8.01	99	420097	128.11	ng	0.00
23) Nitrobenzene-d5	10.10	82	322692	126.74	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	258144	237.03	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	741553	103.26	ng	0.00
78) Terphenyl-d14	20.76	244	1299678	116.58	ng	0.00
Target Compounds						
31) Naphthalene	11.84	128	60660	6.856	ng	97
58) 2,3,4,6-Tetrachlorophenol	16.12	232	8542	4.902	ng	# 93
69) Pentachlorophenol	17.89	266	97531	53.158	ng	98
76) Benzidine	20.40	184	21575	2.527	ng	99

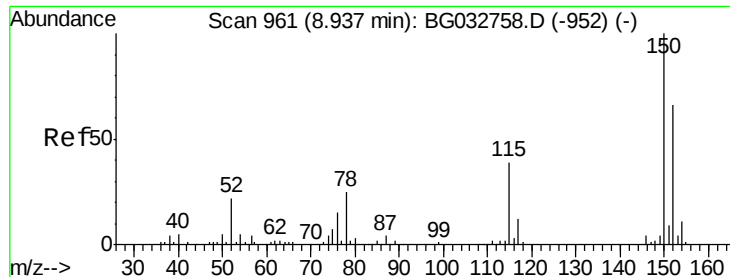
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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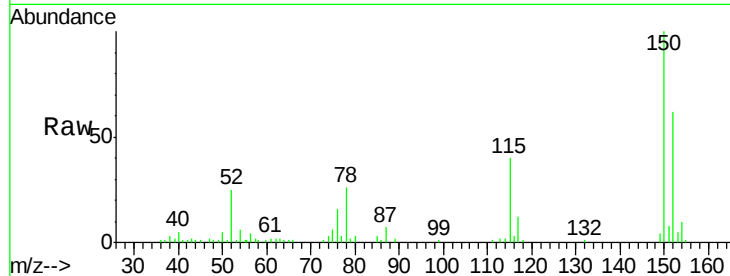


#1

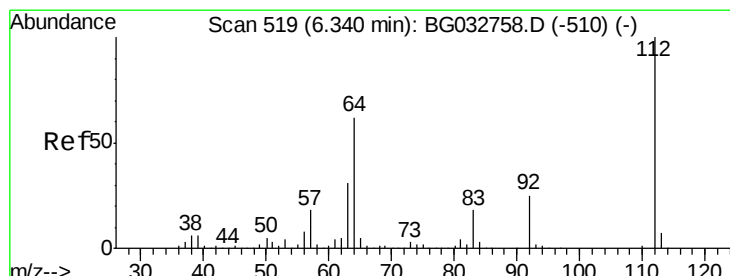
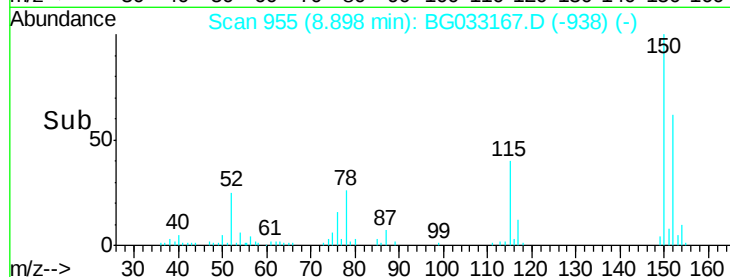
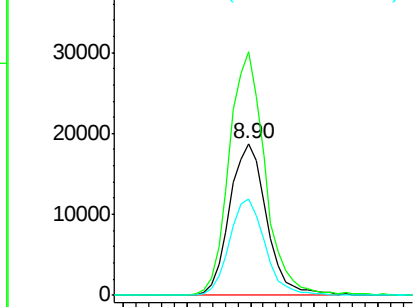
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033167.D
Acq: 15 Mar 2018 5:45

Instrument :
BNA_G
ClientSampleId :
CL-01-031318-C

Tot Ion:152 Resp: 37638
Ion Ratio Lower Upper
152 100
150 160.2 126.6 189.8
115 63.6 53.0 79.4



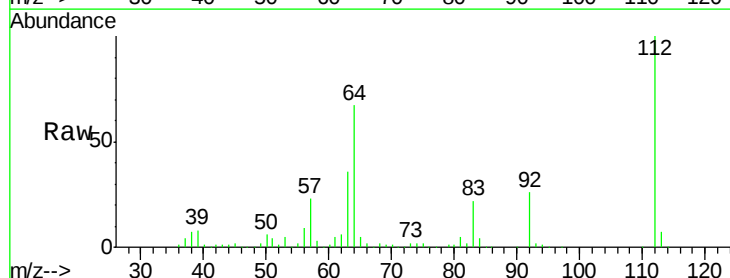
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



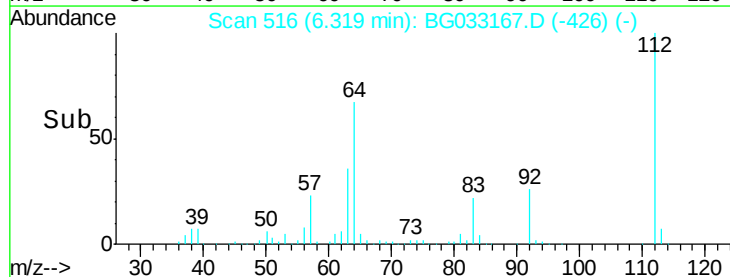
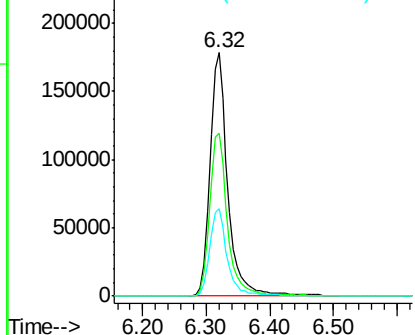
#5

2-Fluorophenol
Concen: 148.904 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033167.D
Acq: 15 Mar 2018 5:45

Tgt Ion:112 Resp: 350309
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 35.9 30.1 45.1



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: 128.110 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

Instrument :

BNA_G

ClientSampleId :

CL-01-031318-C

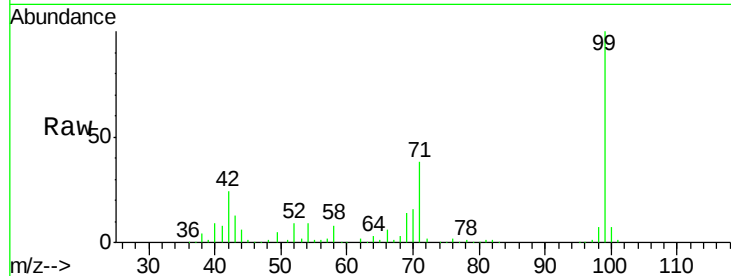
Tot Ion: 99 Resp: 420097

Ion Ratio Lower Upper

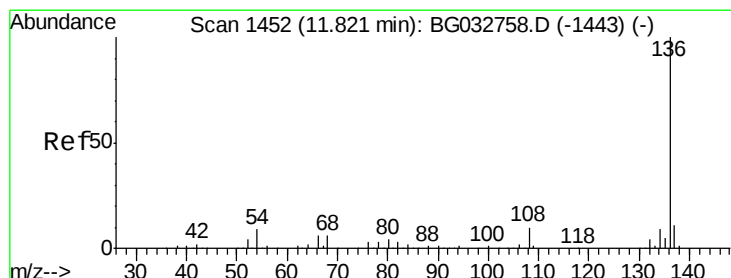
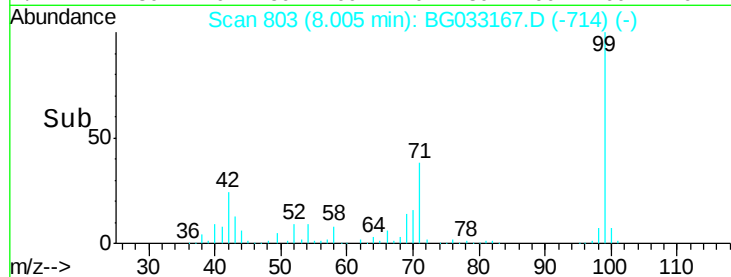
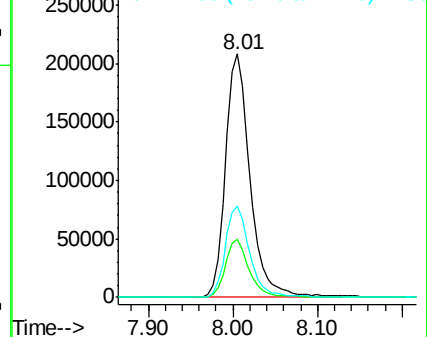
99 100

42 23.6 14.1 21.1#

71 37.6 26.1 39.1



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: 11.78 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

Tgt Ion: 136 Resp: 169332

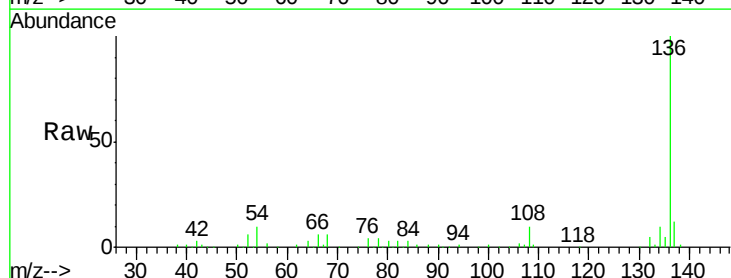
Ion Ratio Lower Upper

136 100

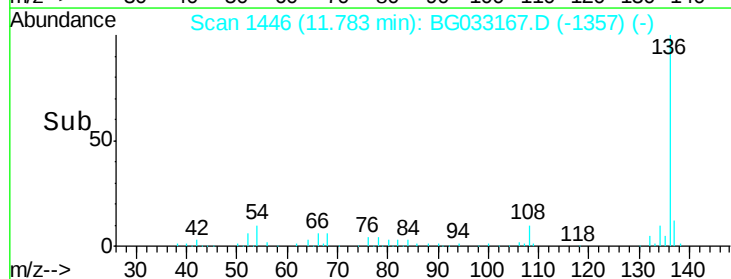
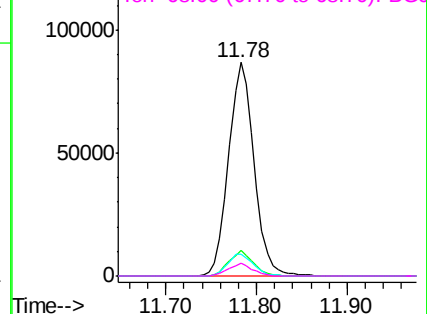
137 11.8 9.2 13.8

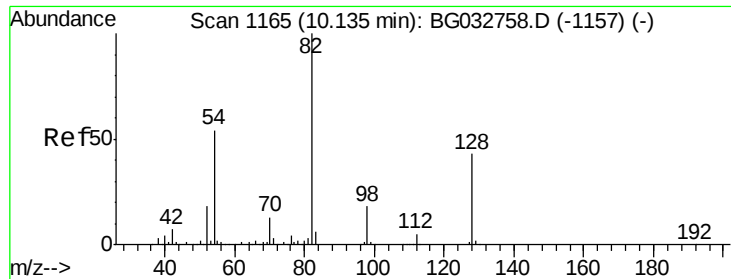
54 10.3 10.3 15.5

68 5.8 4.5 6.7



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: 126.735 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

Instrument :

BNA_G

ClientSampleId :

CL-01-031318-C

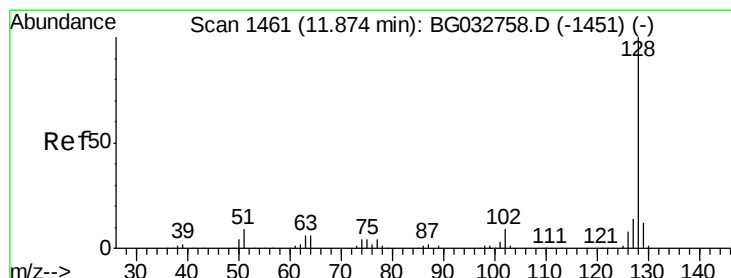
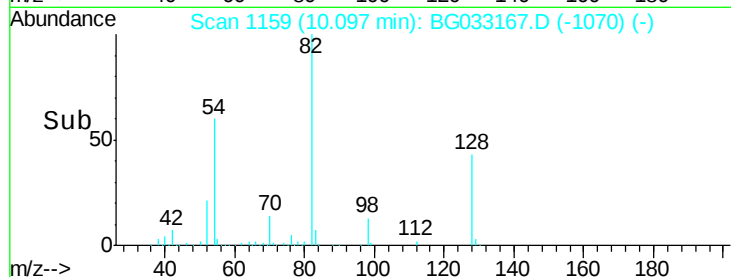
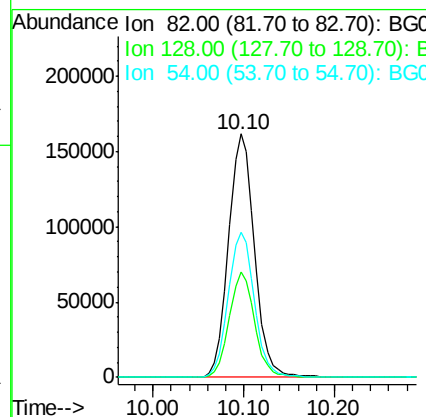
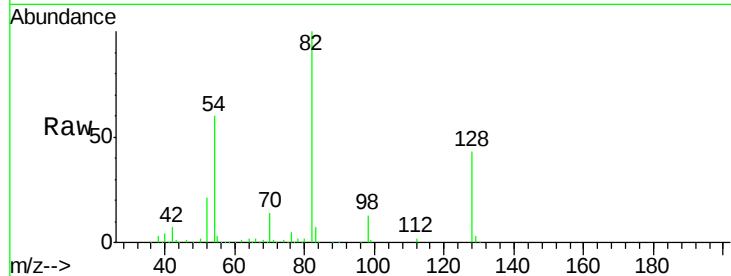
Tot Ion: 82 Resp: 322692

Ion Ratio Lower Upper

82 100

128 43.2 29.7 44.5

54 59.6 43.1 64.7



#31

Naphthalene

Concen: 6.856 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

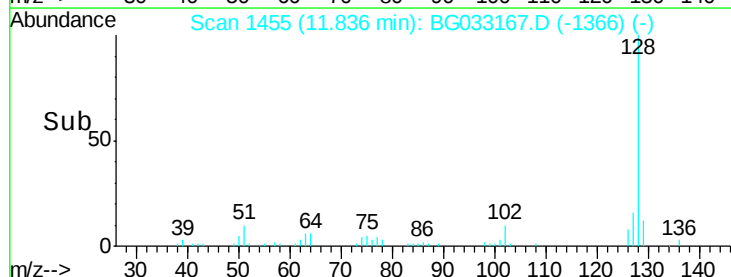
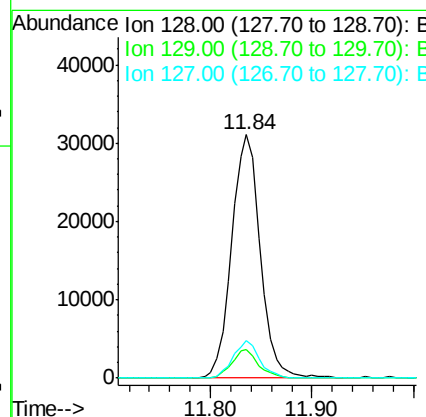
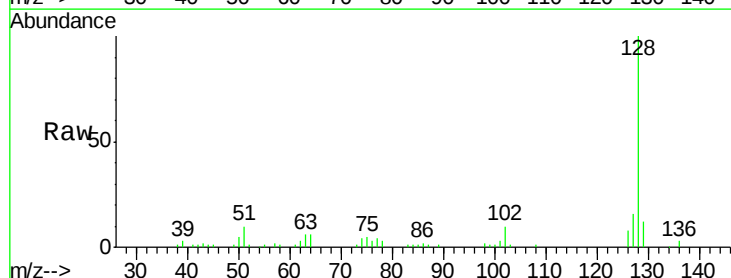
Tgt Ion: 128 Resp: 60660

Ion Ratio Lower Upper

128 100

129 11.7 8.6 12.8

127 15.6 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

Instrument :

BNA_G

ClientSampleId :

CL-01-031318-C

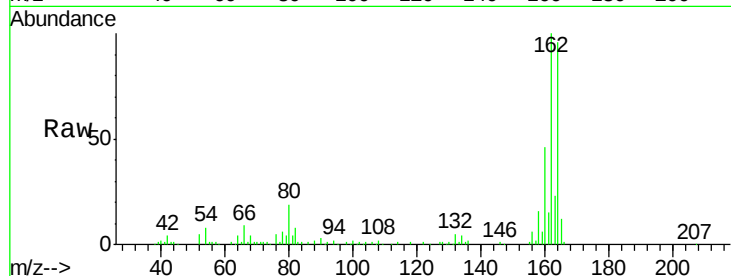
Tot Ion:164 Resp: 103577

Ion Ratio Lower Upper

164 100

162 104.6 78.8 118.2

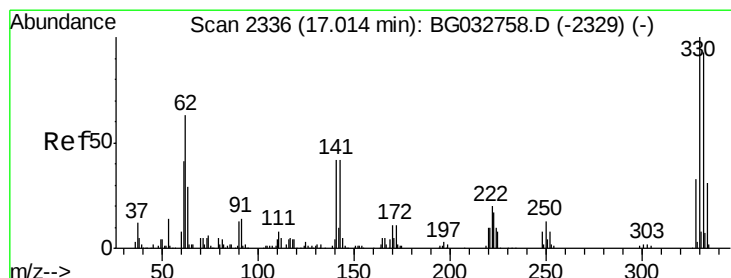
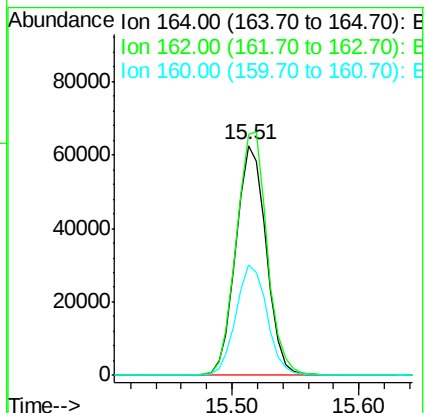
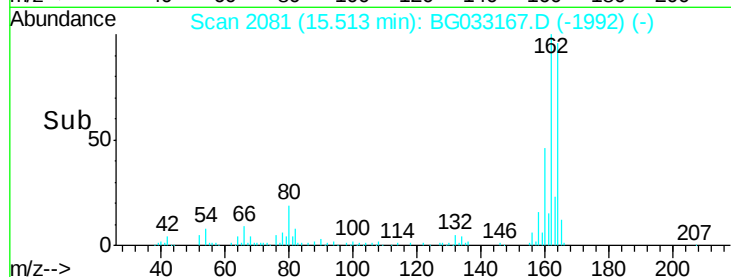
160 47.9 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 237.030 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

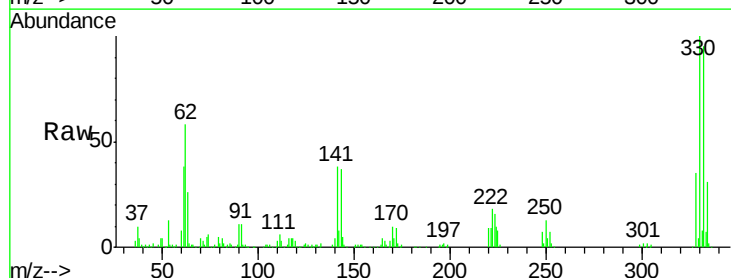
Tgt Ion:330 Resp: 258144

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

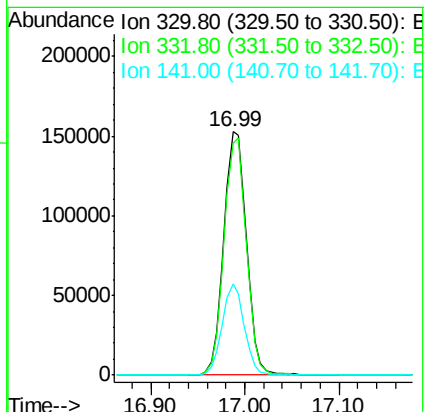
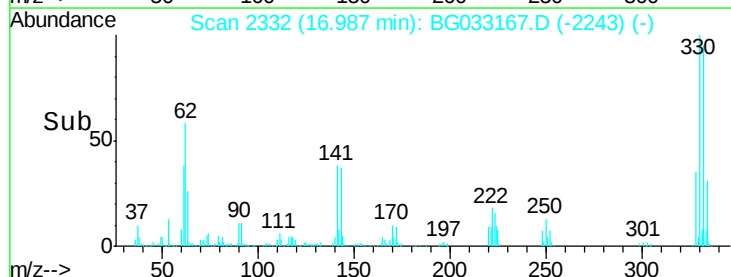
141 36.7 25.2 37.8



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

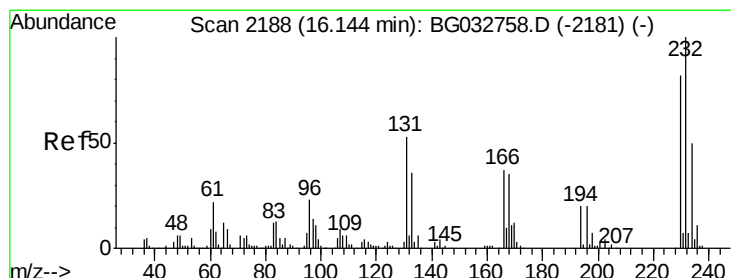
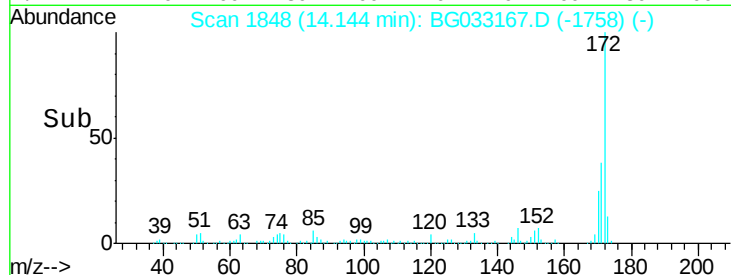
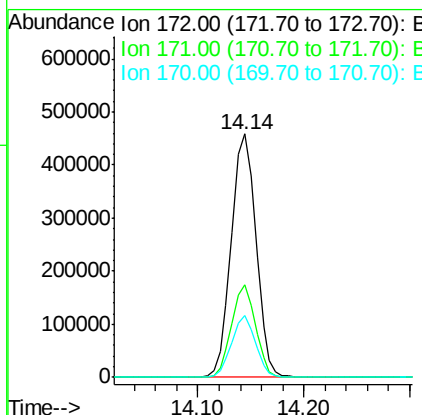
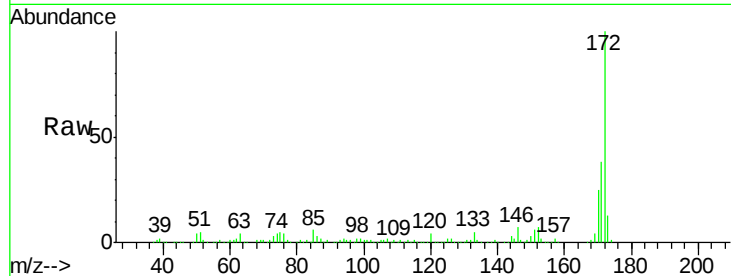




#44
 2-Fluorobiphenyl
 Concen: 103.257 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033167.D
 Acq: 15 Mar 2018 5:45

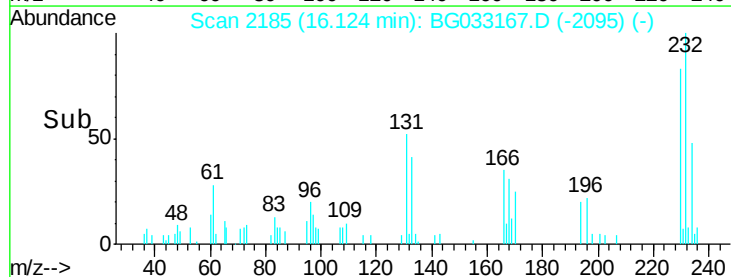
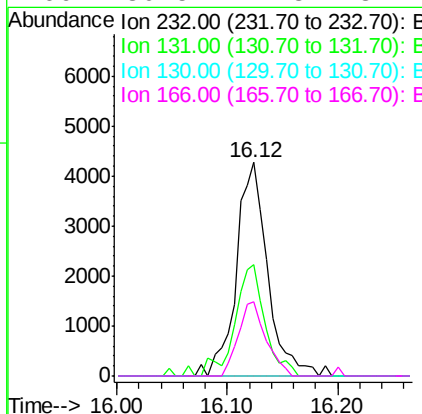
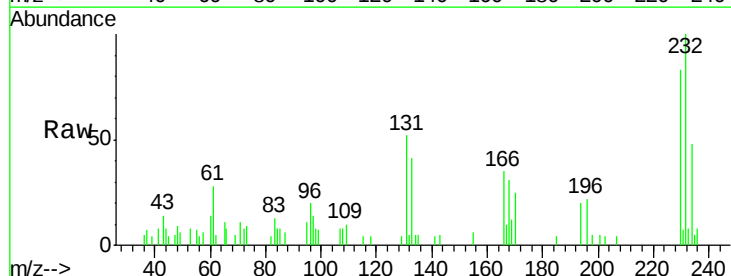
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-031318-C

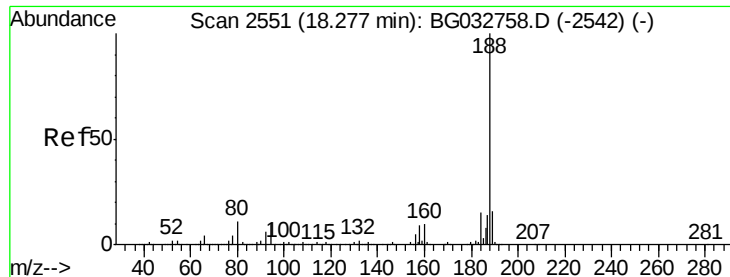
Tot Ion:172 Resp: 741553
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 25.3 19.5 29.3



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.902 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. 0.00 min
 Lab File: BG033167.D
 Acq: 15 Mar 2018 5:45

Tgt Ion:232 Resp: 8542
 Ion Ratio Lower Upper
 232 100
 131 49.5 33.5 50.3
 130 0.0 2.2 3.2#
 166 30.5 24.8 37.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2546

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

Instrument :

BNA_G

ClientSampleId :

CL-01-031318-C

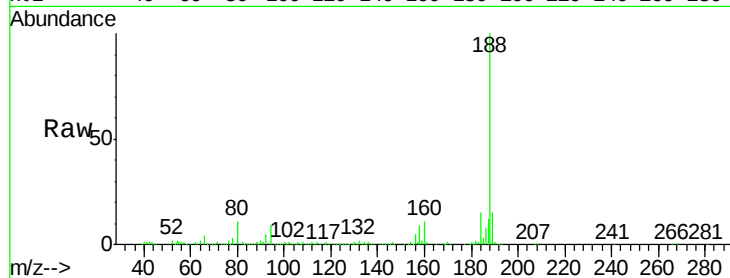
Tot Ion:188 Resp: 254912

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

80 10.8 7.7 11.5



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

200000

150000

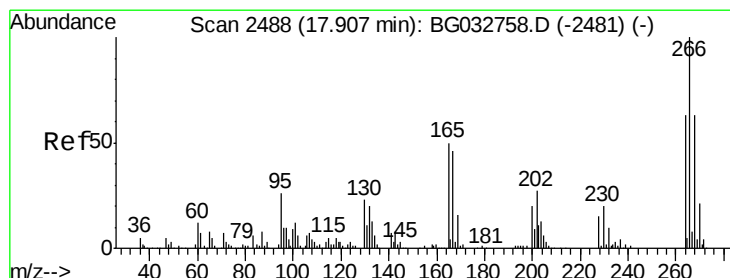
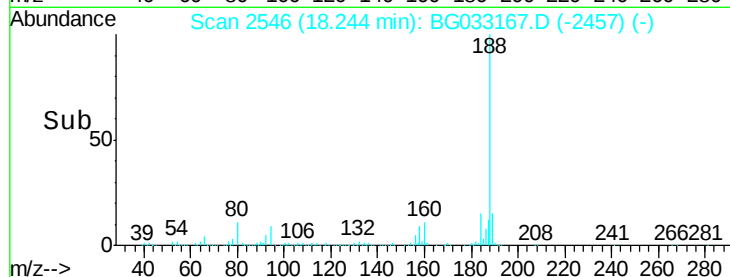
100000

50000

0

18.20 18.24 18.30

Time-->



#69

Pentachlorophenol

Concen: 53.158 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

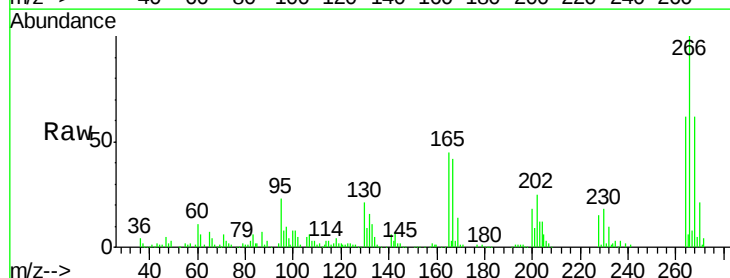
Tgt Ion:266 Resp: 97531

Ion Ratio Lower Upper

266 100

268 61.6 51.1 76.7

264 62.4 49.6 74.4



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

80000

60000

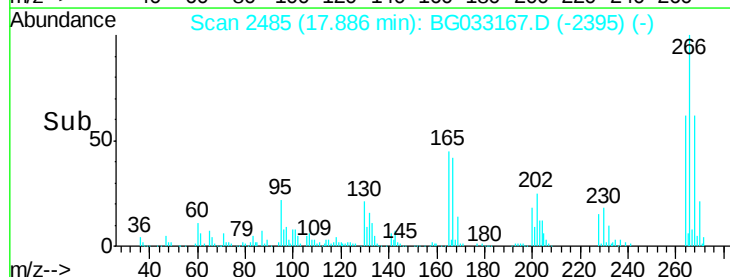
40000

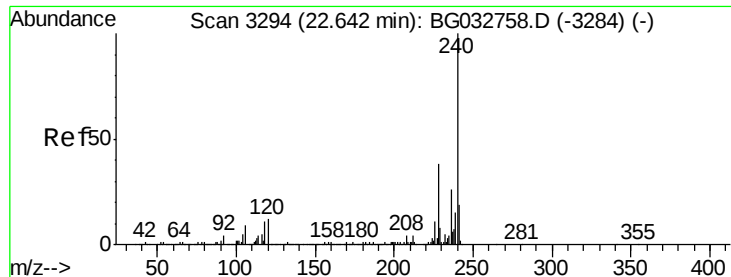
20000

0

17.80 17.89 18.00

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

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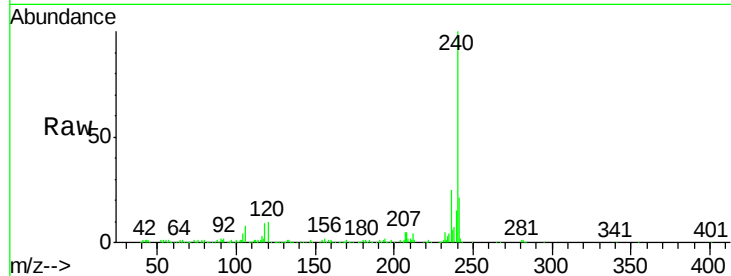
Tot Ion:240 Resp: 250469

Ion Ratio Lower Upper

240 100

120 9.9 6.8 10.2

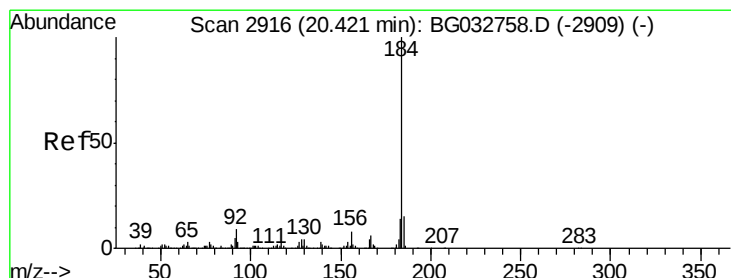
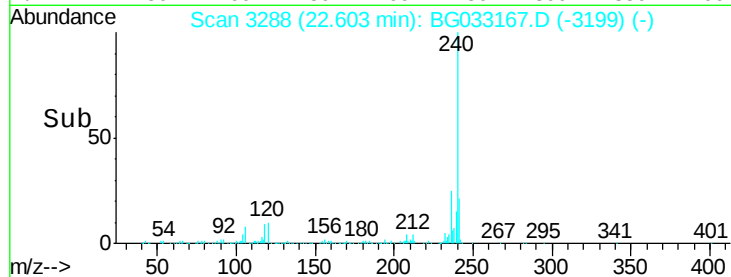
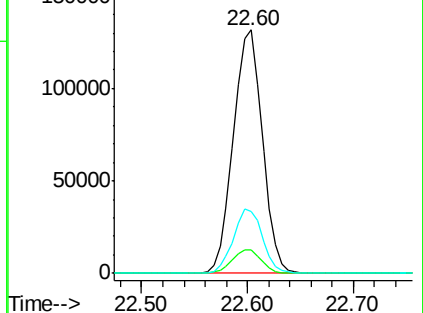
236 25.2 20.9 31.3



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



#76

Benzidine

Concen: 2.527 ng

RT: 20.40 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

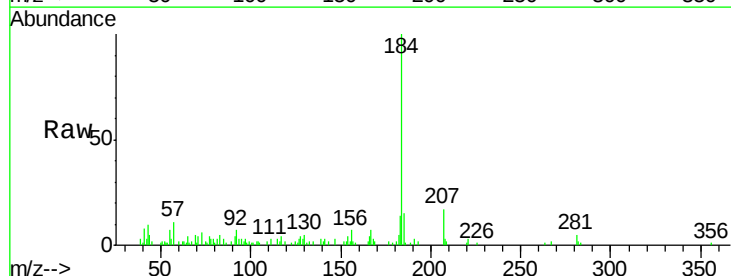
Tgt Ion:184 Resp: 21575

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

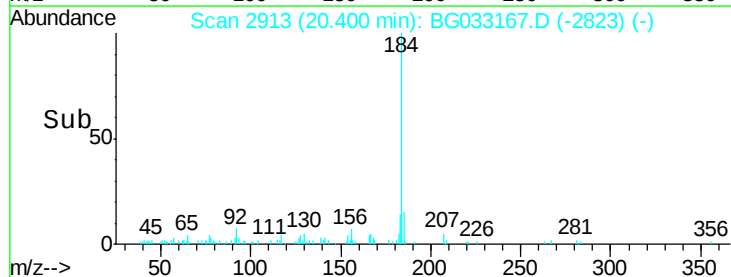
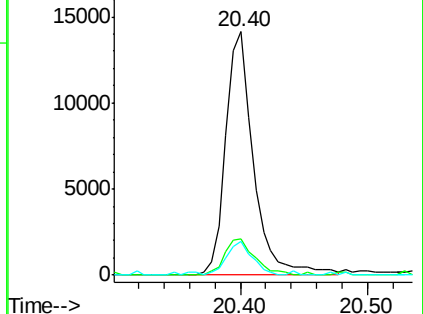
183 13.6 10.6 16.0

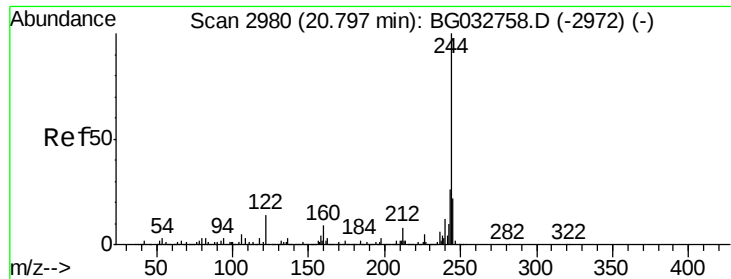


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 116.582 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

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CL-01-031318-C

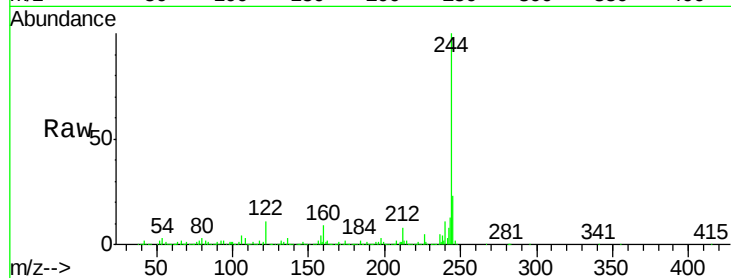
Tot Ion:244 Resp: 1299678

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

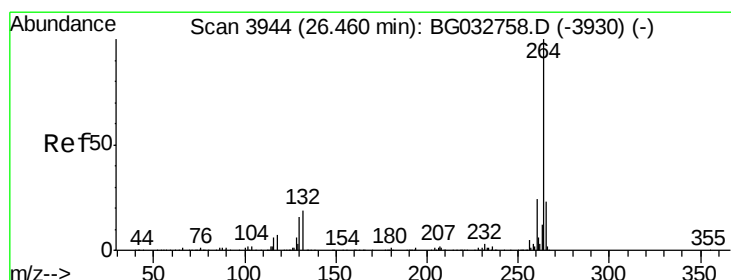
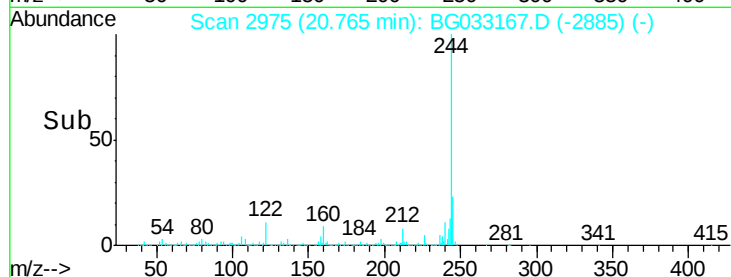
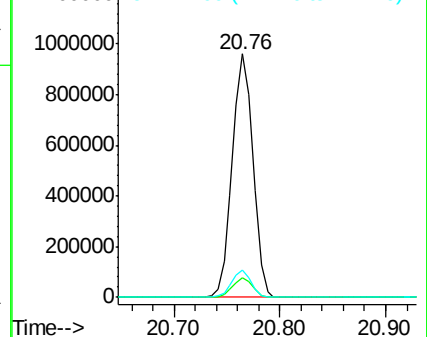
122 11.0 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033167.D

Acq: 15 Mar 2018 5:45

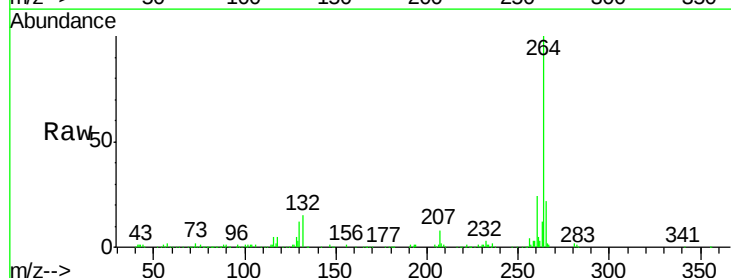
Tgt Ion:264 Resp: 265102

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.7 17.7 26.5



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

