

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
 Data File : BG044314.D
 Acq On : 5 Feb 2020 21:23
 Operator : CG/JU
 Sample : L1390-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1

Quant Time: Feb 06 02:55:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	86727	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	343916	20.00	ng	0.02
39) Acenaphthene-d10	14.59	164	258432	20.00	ng	0.03
64) Phenanthrene-d10	17.32	188	408473	20.00	ng	0.03
76) Chrysene-d12	21.55	240	435584	20.00	ng	0.00
87) Perylene-d12	24.64	264	519777	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	729056	148.36	ng	0.00
7) Phenol-d6	7.09	99	931068	141.09	ng	0.00
23) Nitrobenzene-d5	9.08	82	688850	113.08	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	282400	93.08	ng	0.03
45) 2-Fluorobiphenyl	13.20	172	1211819	78.52	ng	0.02
79) Terphenyl-d14	19.93	244	1754071	82.83	ng	0.00

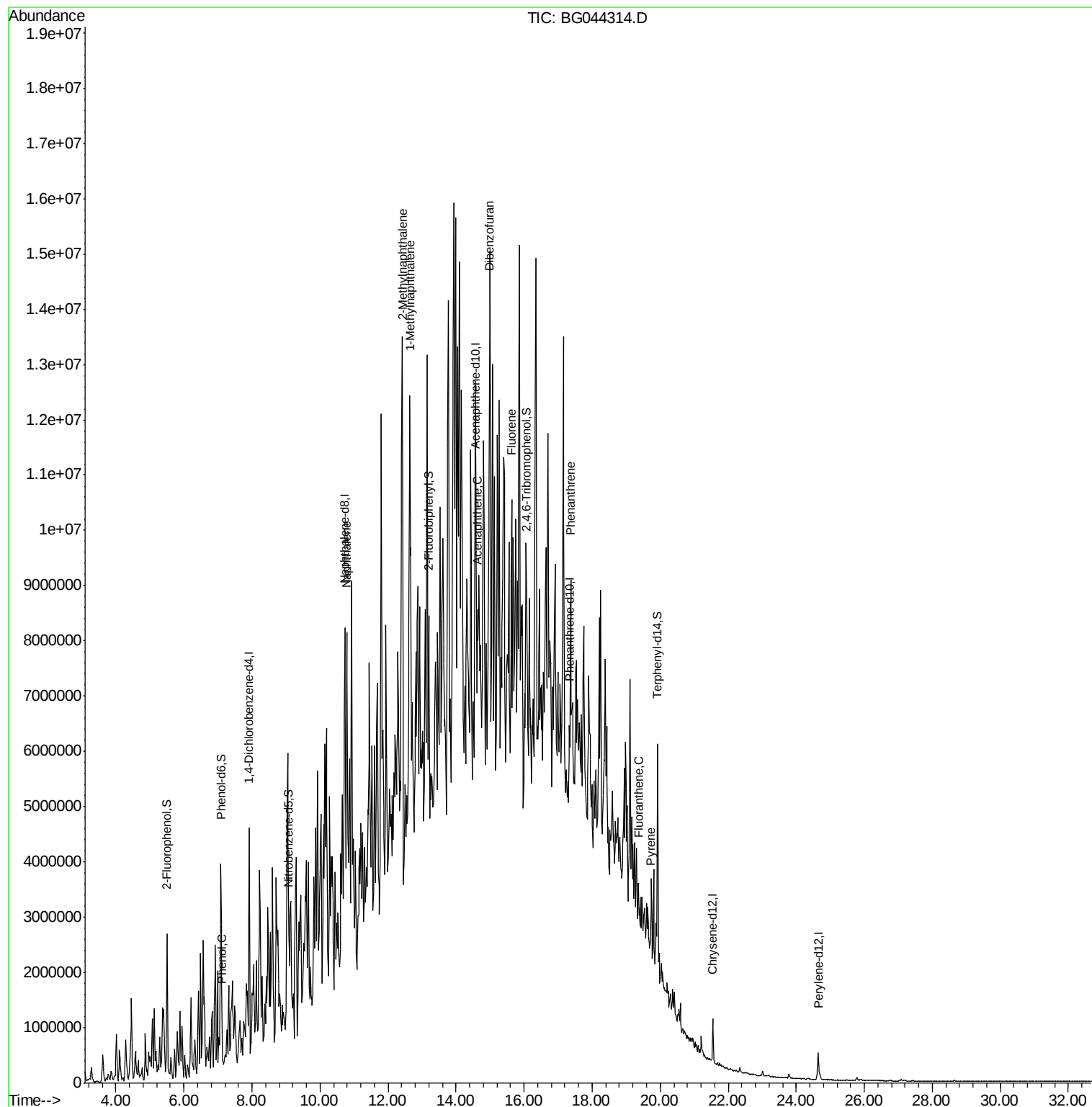
Target Compounds				Qvalue		
10) Phenol	7.12	94	22621	3.464	ng	# 68
31) Naphthalene	10.79	128	2795791	167.555	ng	# 82
37) 2-Methylnaphthalene	12.43	142	5282726	426.413	ng	# 77
38) 1-Methylnaphthalene	12.64	142	3782662	323.859	ng	# 94
52) Acenaphthene	14.64	154	371617	26.352	ng	# 84
55) Dibenzofuran	14.99	168	559656	26.212	ng	# 8
58) Fluorene	15.63	166	949284	56.448	ng	# 84
71) Phenanthrene	17.37	178	2221224	112.298	ng	# 85
75) Fluoranthene	19.37	202	91401	3.995	ng	# 67
78) Pyrene	19.73	202	403020	14.407	ng	# 90

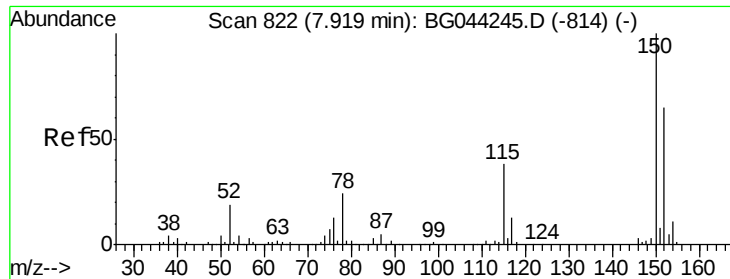
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-1

Quant Time: Feb 06 02:55:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration



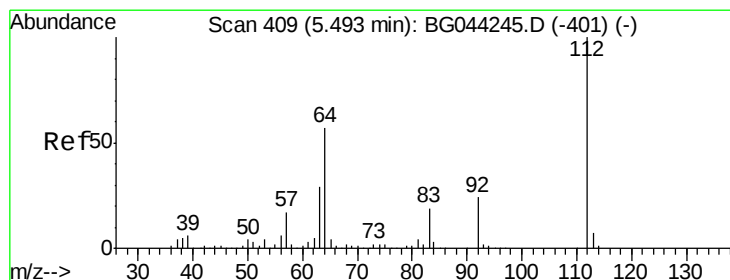
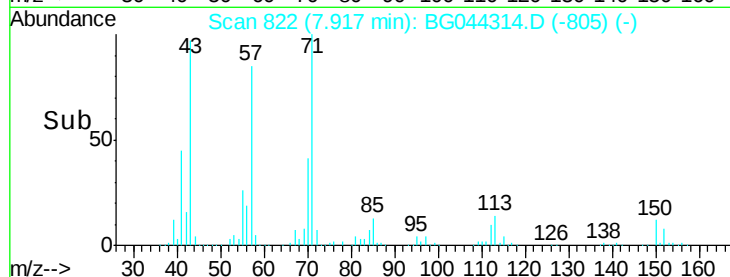
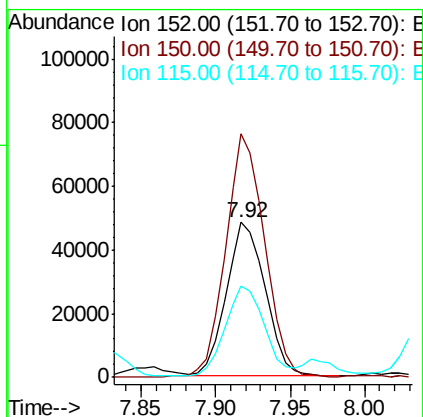
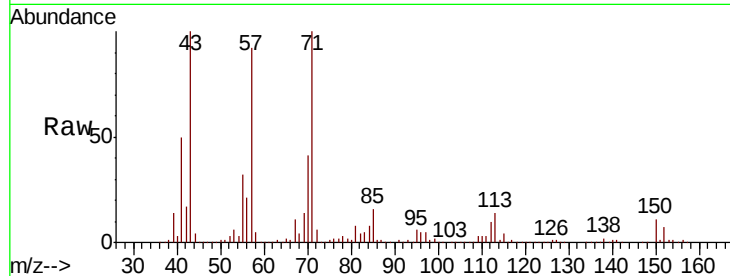


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Instrument :
BNA_G
ClientSampleId :
SB-1

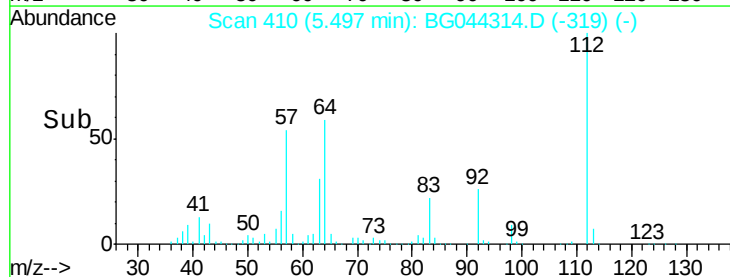
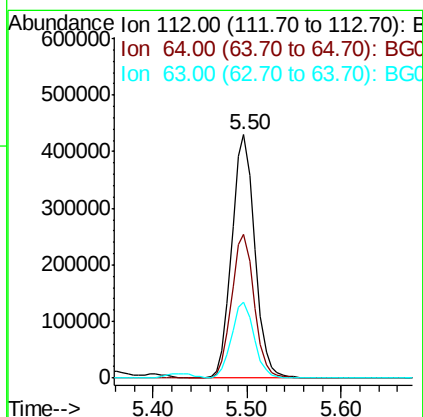
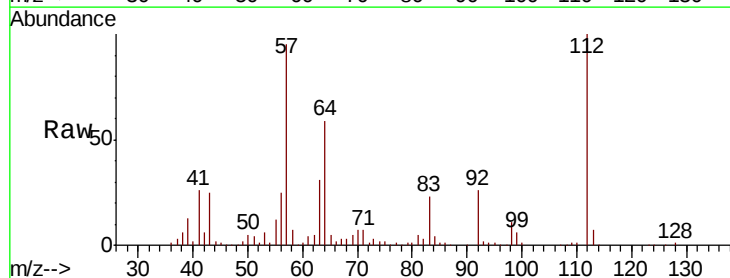
Tot Ion:152 Resp: 86727
Ion Ratio Lower Upper
152 100
150 157.4 122.6 183.8
115 59.4 46.0 69.0

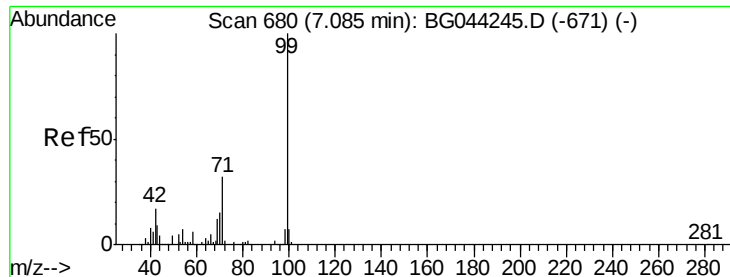


#5

2-Fluorophenol
Concen: 148.359 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.00 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Tgt Ion:112 Resp: 729056
Ion Ratio Lower Upper
112 100
64 59.1 45.4 68.2
63 31.1 22.9 34.3





#7

Phenol-d6

Concen: 141.093 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

Instrument :

BNA_G

ClientSampleId :

SB-1

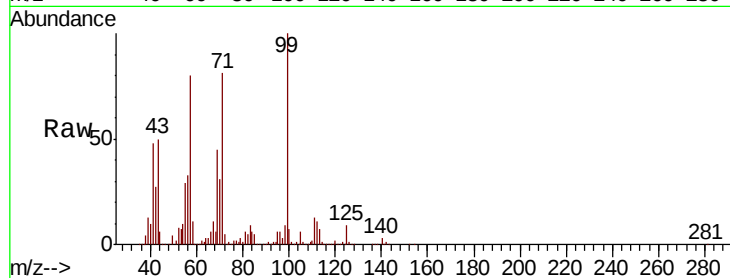
Tot Ion: 99 Resp: 931068

Ion Ratio Lower Upper

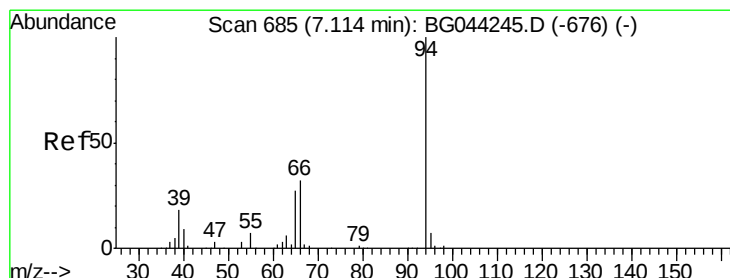
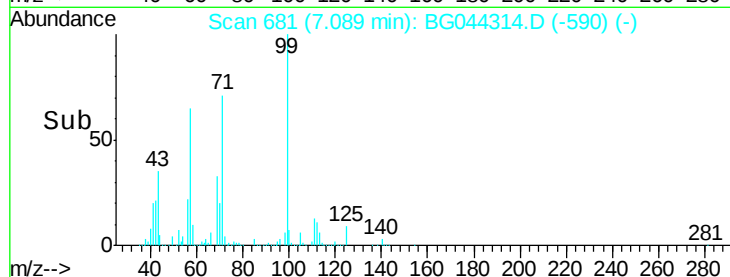
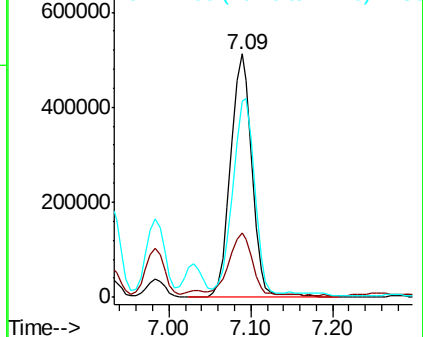
99 100

42 26.5 13.8 20.6#

71 80.5 25.5 38.3#



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: 3.464 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

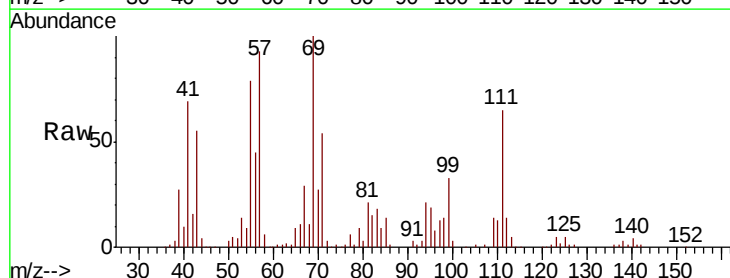
Tgt Ion: 94 Resp: 22621

Ion Ratio Lower Upper

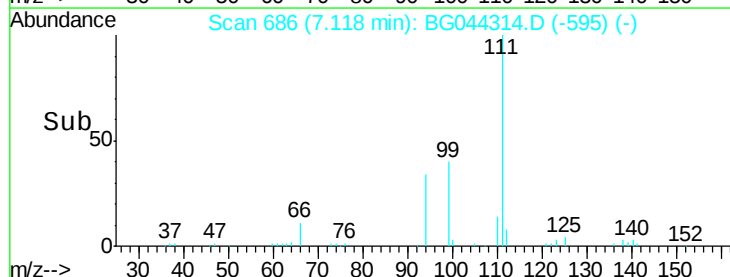
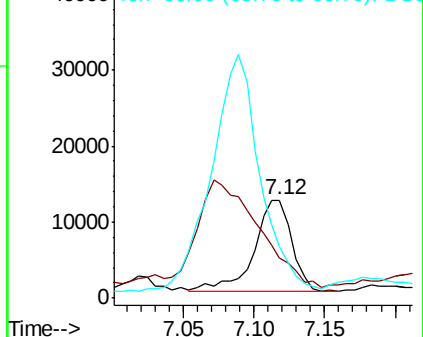
94 100

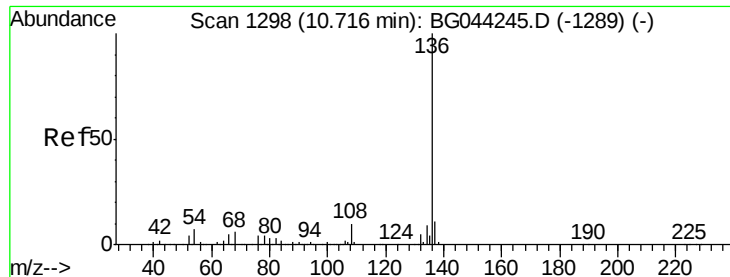
65 40.8 7.0 47.0

66 53.1 12.7 52.7#



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

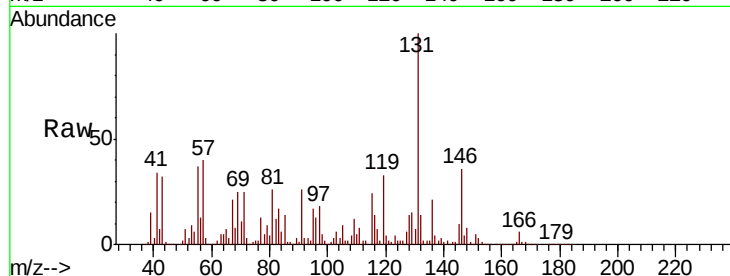




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.02 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Instrument :
BNA_G
ClientSampleId :
SB-1

Tot Ion:136	Resp:	343916
Ion	Ratio	Lower Upper
136	100	
137	19.9	8.8 13.2#
54	31.4	5.8 8.8#
68	37.1	4.6 6.8#



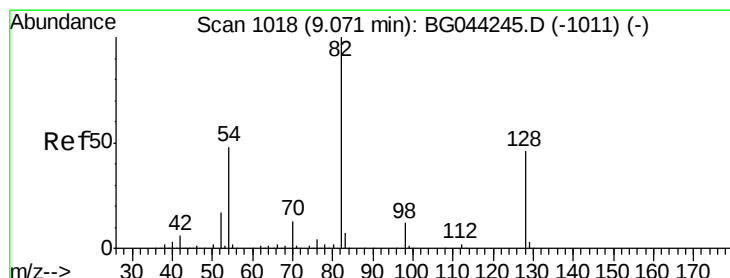
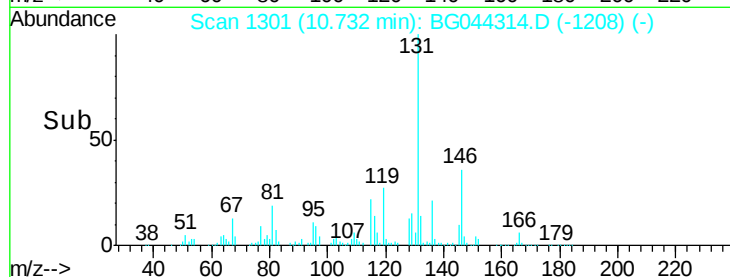
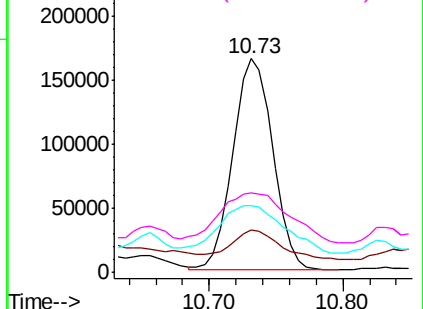
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

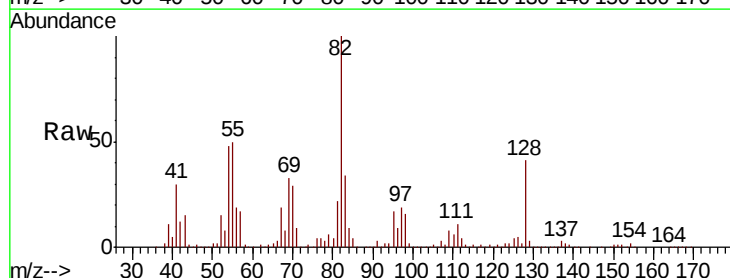
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 113.080 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Tgt Ion: 82	Resp:	688850
Ion	Ratio	Lower Upper
82	100	
128	40.9	36.5 54.7
54	48.2	38.6 58.0

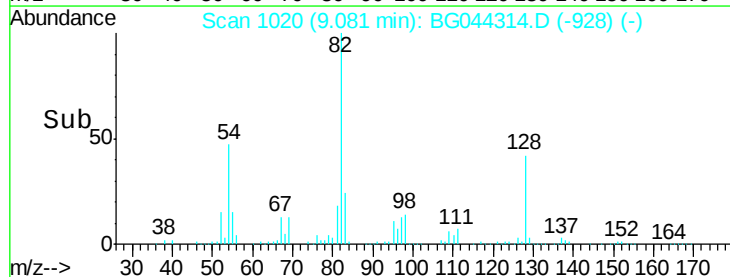
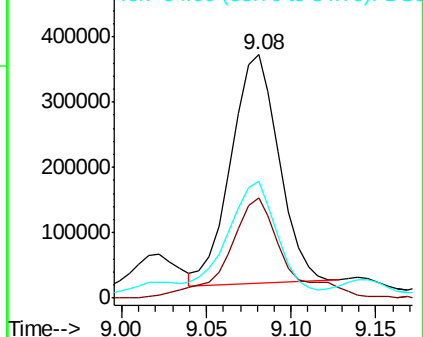


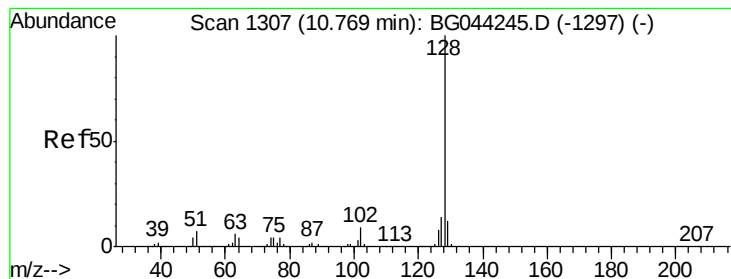
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 167.555 ng

RT: 10.79 min Scan# 1311

Delta R.T. 0.02 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

Instrument :

BNA_G

ClientSampleId :

SB-1

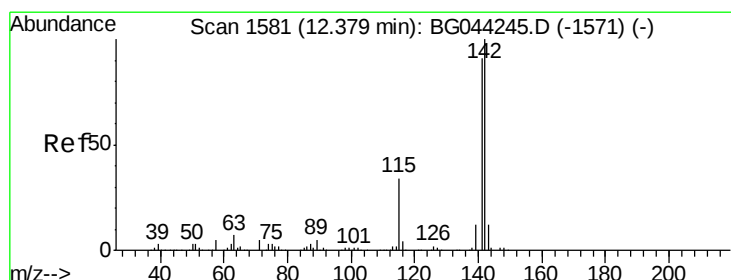
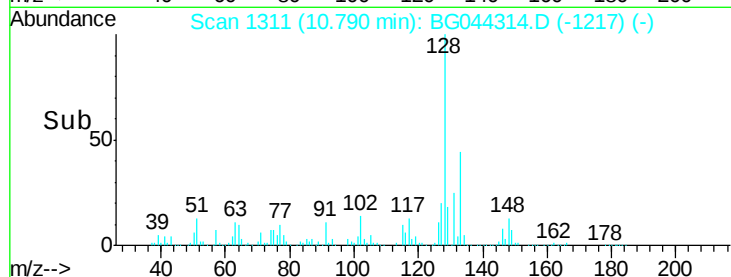
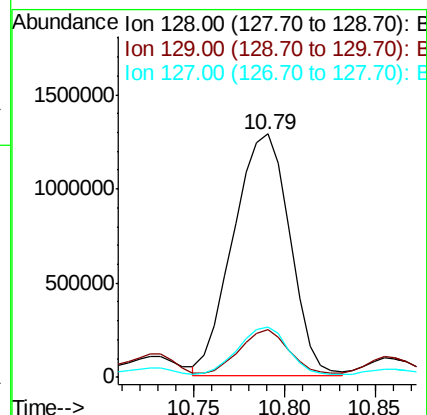
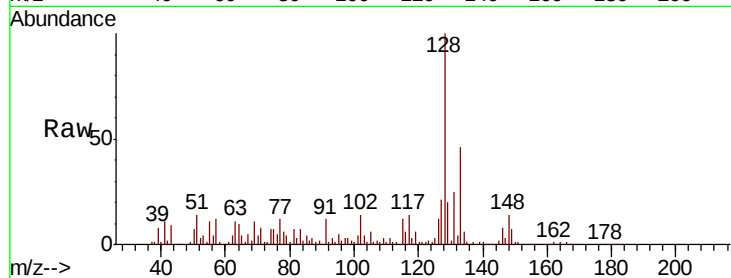
Tot Ion:128 Resp: 2795791

Ion Ratio Lower Upper

128 100

129 19.8 9.3 13.9#

127 20.8 11.6 17.4#



#37

2-Methylnaphthalene

Concen: 426.413 ng

RT: 12.43 min Scan# 1590

Delta R.T. 0.05 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

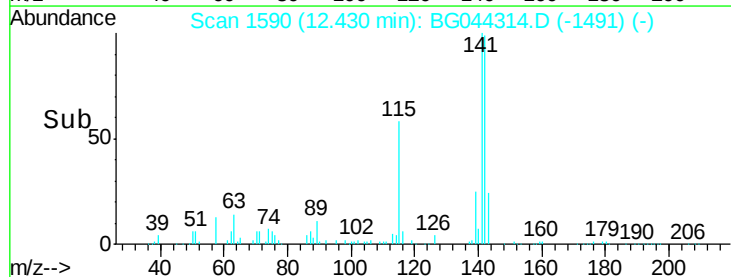
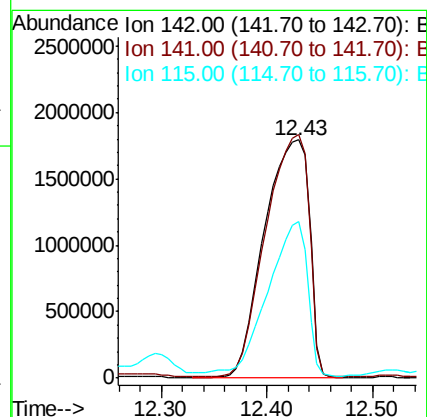
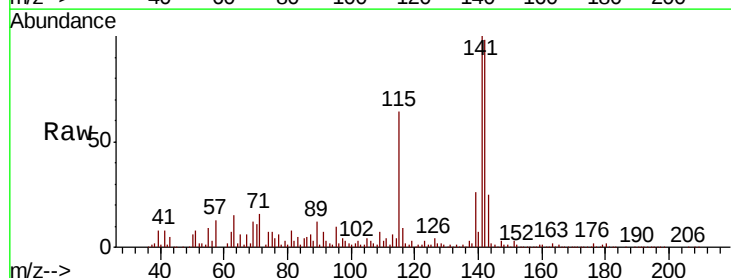
Tgt Ion:142 Resp: 5282726

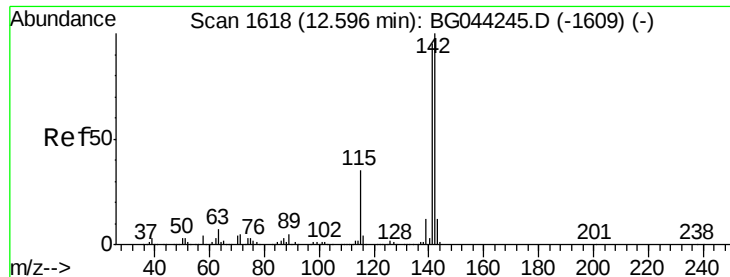
Ion Ratio Lower Upper

142 100

141 102.1 73.2 109.8

115 65.4 27.1 40.7#

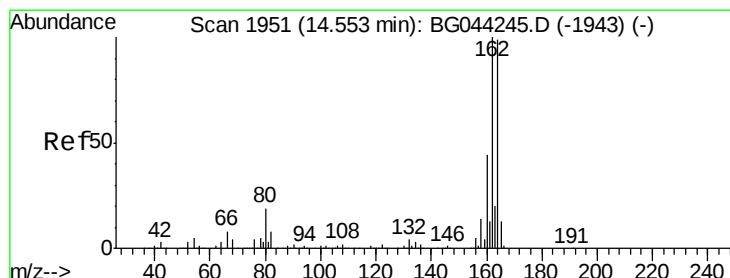
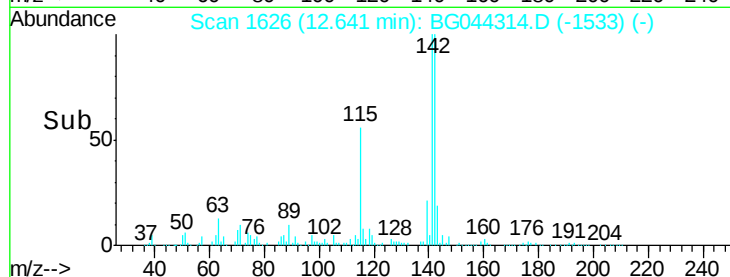
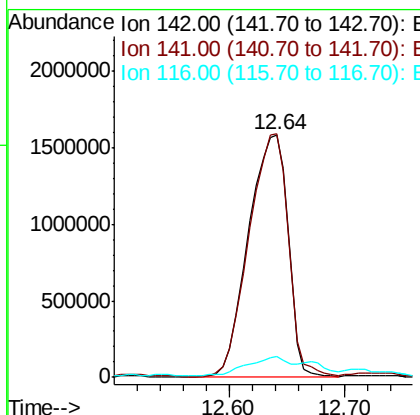
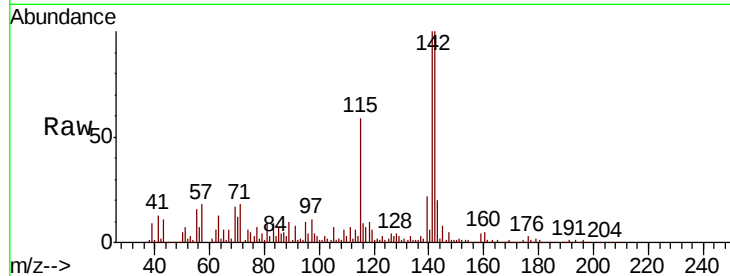




#38
1-Methylnaphthalene
Concen: 323.859 ng
RT: 12.64 min Scan# 1626
Delta R.T. 0.04 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

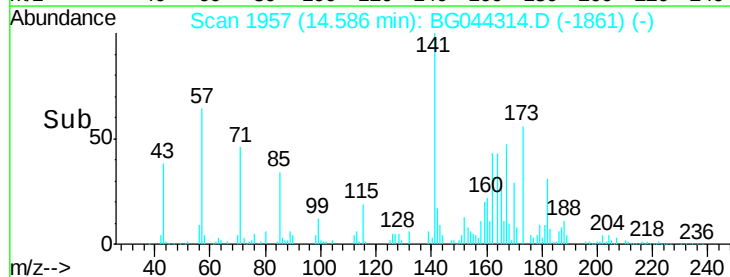
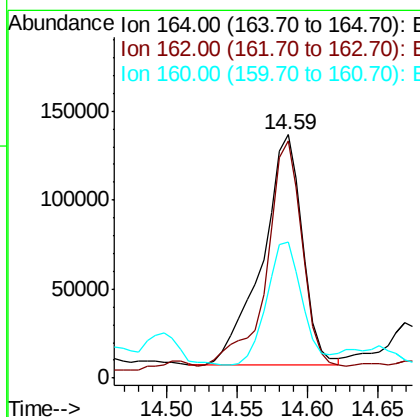
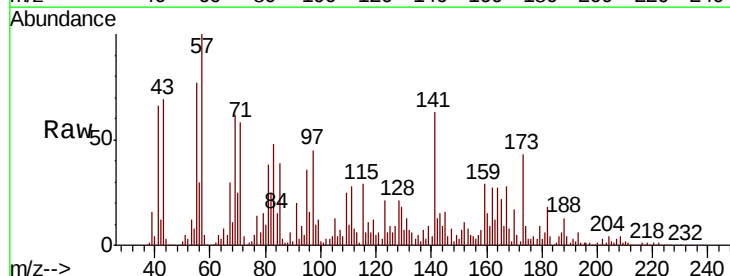
Instrument :
BNA_G
ClientSampleId :
SB-1

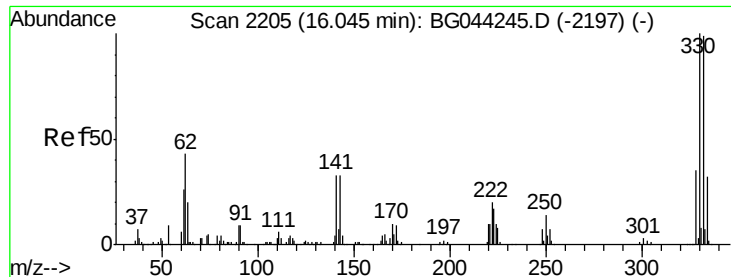
Tot Ion:142 Resp: 3782662
Ion Ratio Lower Upper
142 100
141 100.4 75.8 113.6
116 8.6 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. 0.03 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Tgt Ion:164 Resp: 258432
Ion Ratio Lower Upper
164 100
162 97.4 80.7 121.1
160 55.8 35.3 52.9#

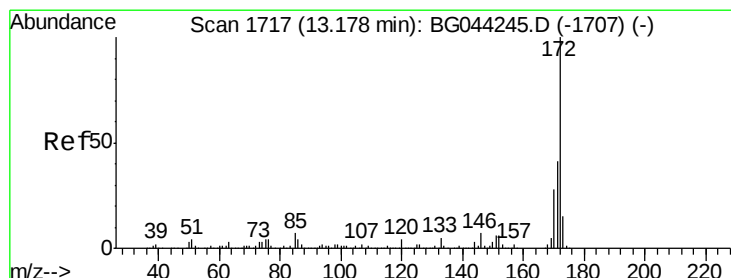
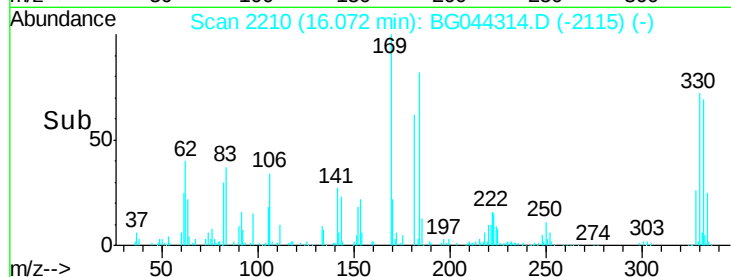
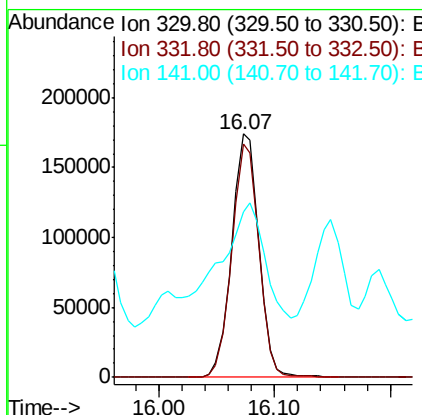
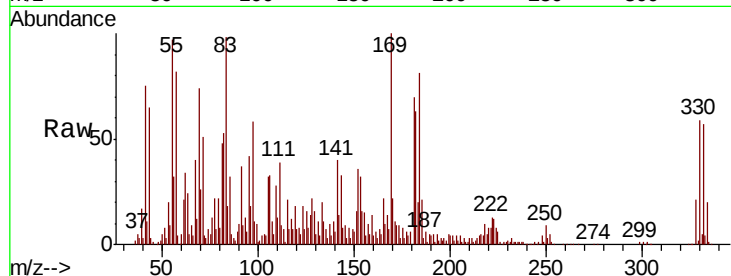




#42
 2,4,6-Tribromophenol
 Concen: 93.083 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.03 min
 Lab File: BG044314.D
 Acq: 5 Feb 2020 21:23

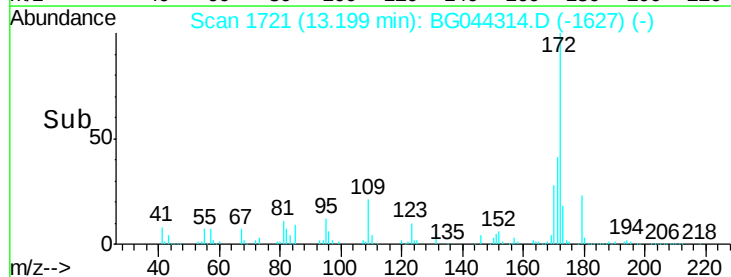
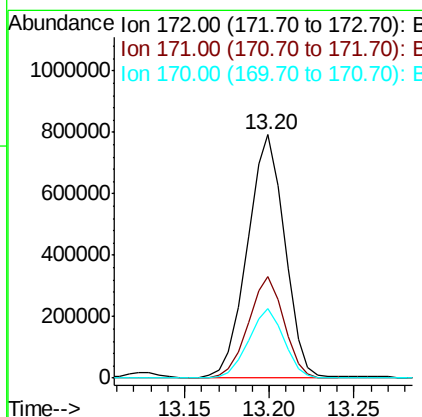
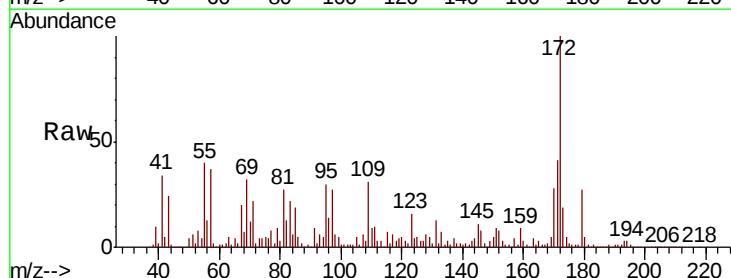
Instrument :
 BNA_G
 ClientSampled :
 SB-1

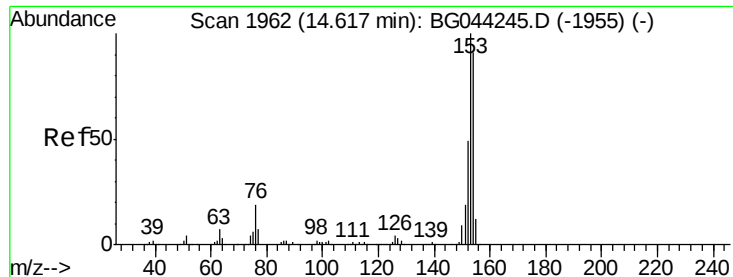
Tot Ion:330 Resp: 282400
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 73.9 28.3 42.5#



#45
 2-Fluorobiphenyl
 Concen: 78.522 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. 0.02 min
 Lab File: BG044314.D
 Acq: 5 Feb 2020 21:23

Tgt Ion:172 Resp: 1211819
 Ion Ratio Lower Upper
 172 100
 171 41.5 32.9 49.3
 170 28.3 22.0 33.0





#52

Acenaphthene

Concen: 26.352 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.03 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

Instrument :

BNA_G

ClientSampleId :

SB-1

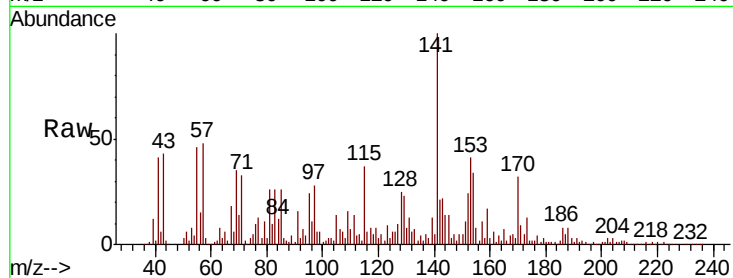
Tot Ion:154 Resp: 371617

Ion Ratio Lower Upper

154 100

153 122.6 87.9 131.9

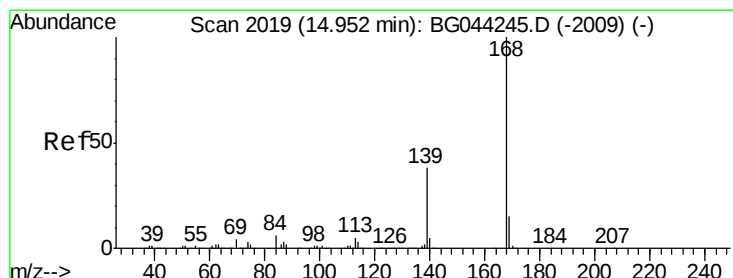
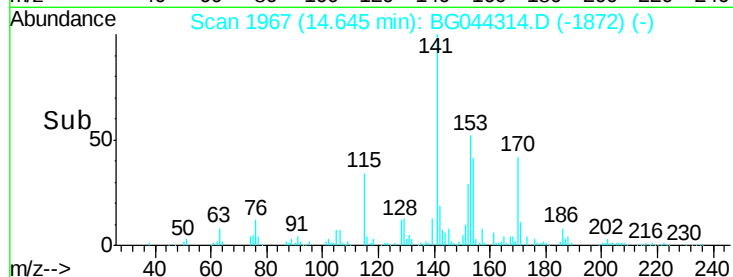
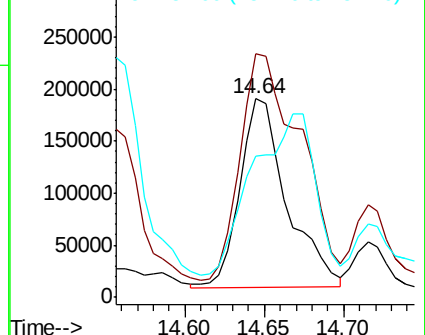
152 71.0 43.1 64.7#



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



#55

Dibenzofuran

Concen: 26.212 ng

RT: 14.99 min Scan# 2025

Delta R.T. 0.03 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

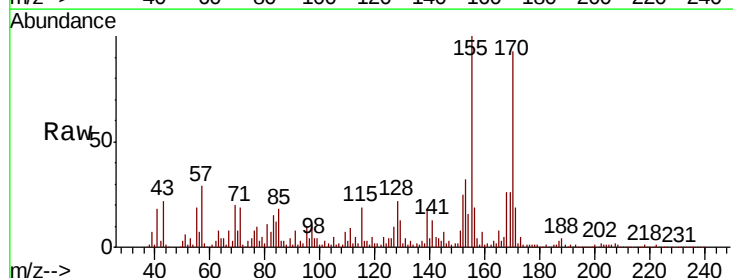
Tgt Ion:168 Resp: 559656

Ion Ratio Lower Upper

168 100

139 67.1 30.5 45.7#

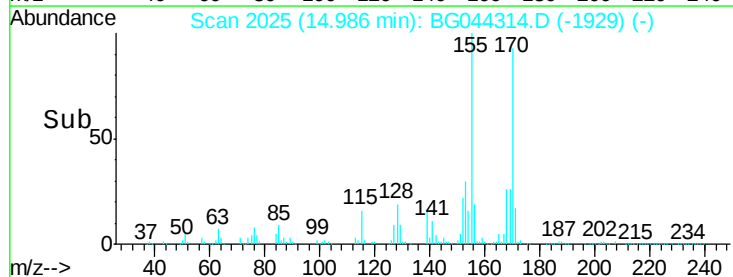
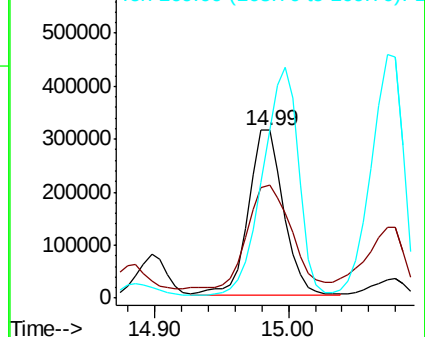
169 99.9 11.7 17.5#

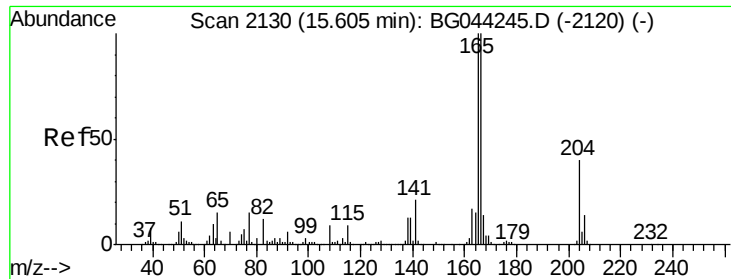


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 56.448 ng

RT: 15.63 min Scan# 2135

Delta R.T. 0.03 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

Instrument :

BNA_G

ClientSampleId :

SB-1

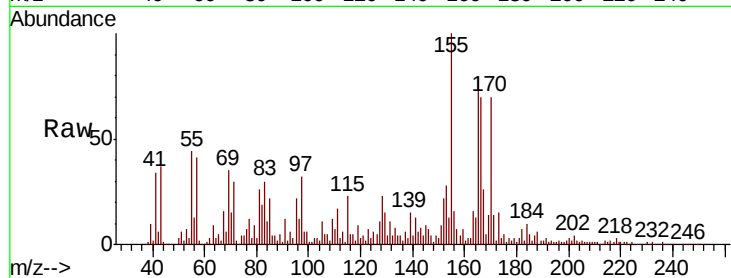
Tot Ion:166 Resp: 949284

Ion Ratio Lower Upper

166 100

165 110.3 79.9 119.9

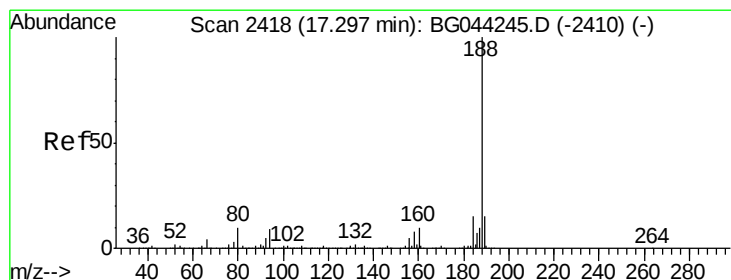
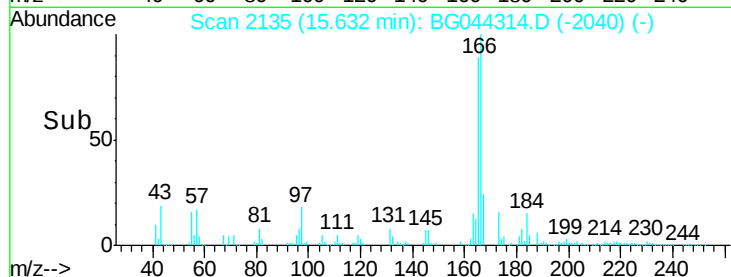
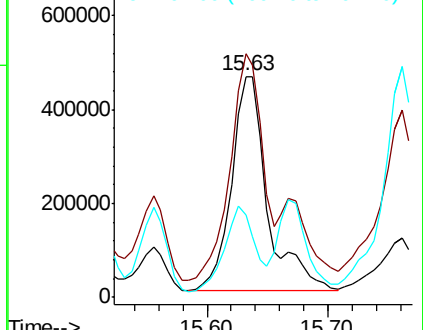
167 37.5 11.4 17.0#



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: 17.32 min Scan# 2423

Delta R.T. 0.03 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

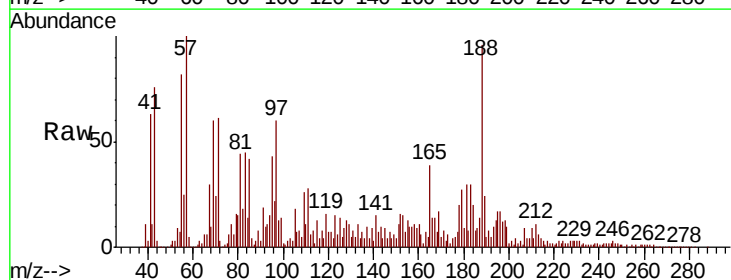
Tgt Ion:188 Resp: 408473

Ion Ratio Lower Upper

188 100

94 16.0 7.4 11.2#

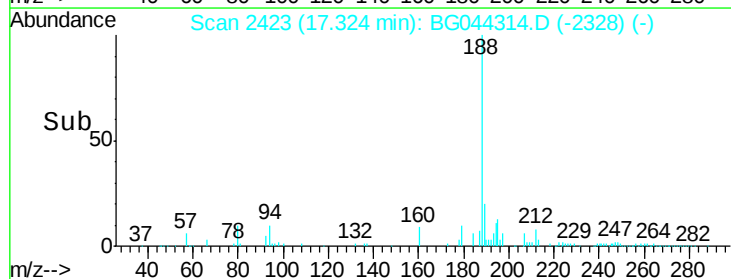
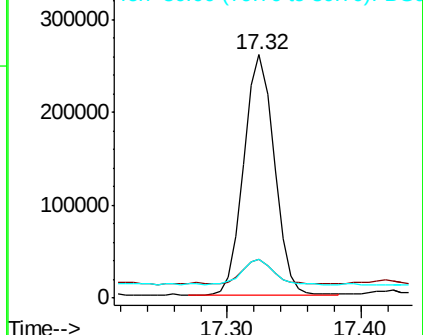
80 16.0 7.7 11.5#

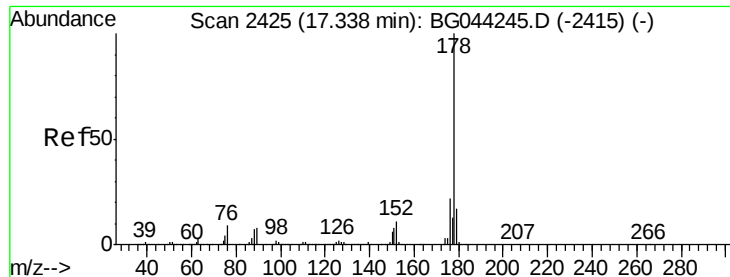


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

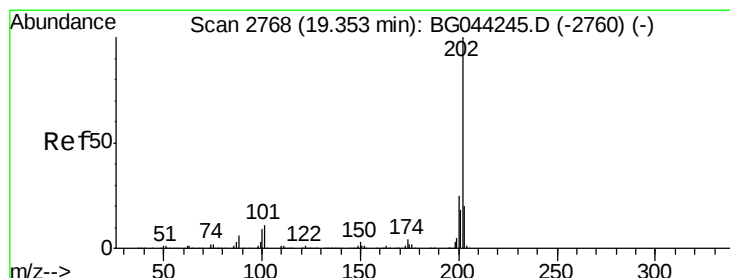
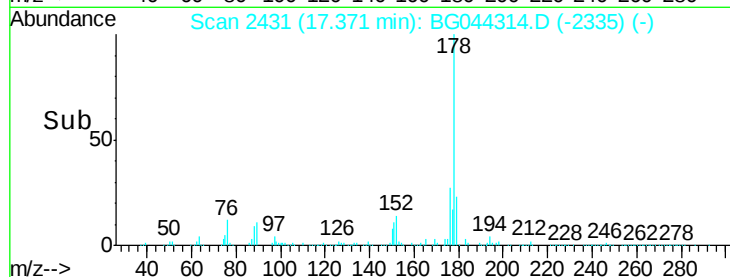
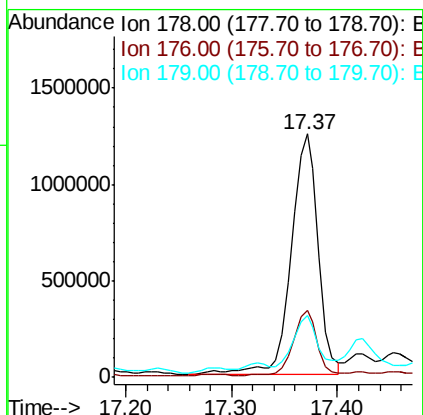
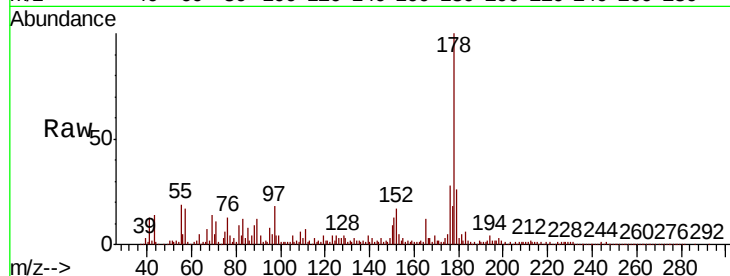




#71
Phenanthrene
Concen: 112.298 ng
RT: 17.37 min Scan# 2431
Delta R.T. 0.03 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

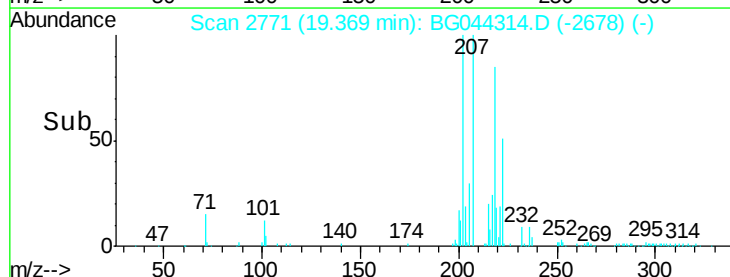
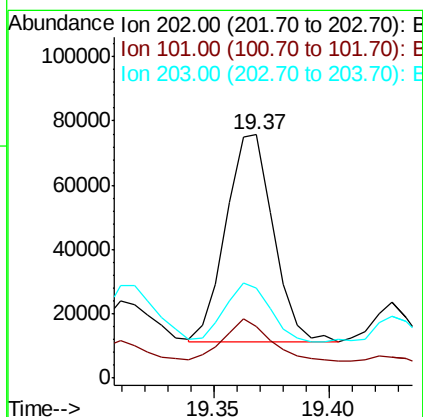
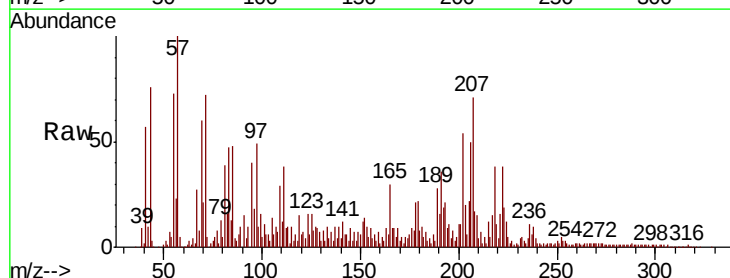
Instrument :
BNA_G
ClientSampleId :
SB-1

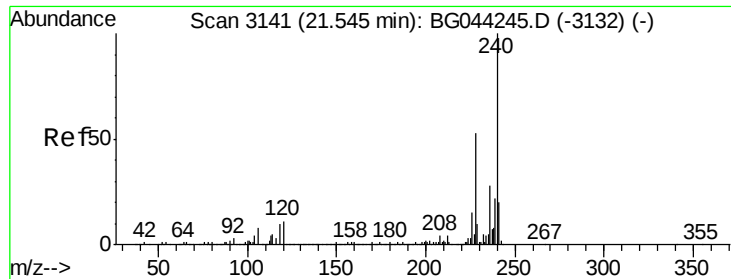
Tot Ion:178 Resp: 2221224
Ion Ratio Lower Upper
178 100
176 27.8 17.7 26.5#
179 25.6 13.7 20.5#



#75
Fluoranthene
Concen: 3.995 ng
RT: 19.37 min Scan# 2771
Delta R.T. 0.02 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Tgt Ion:202 Resp: 91401
Ion Ratio Lower Upper
202 100
101 21.2 0.0 31.3
203 37.1 0.0 39.9

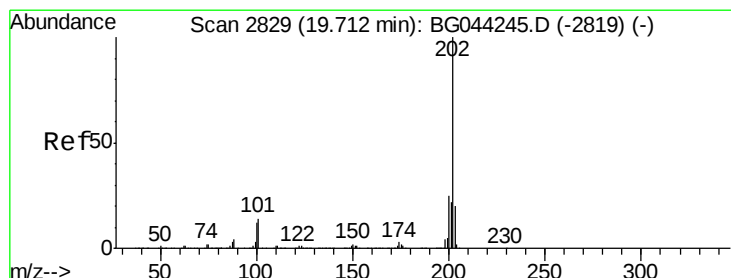
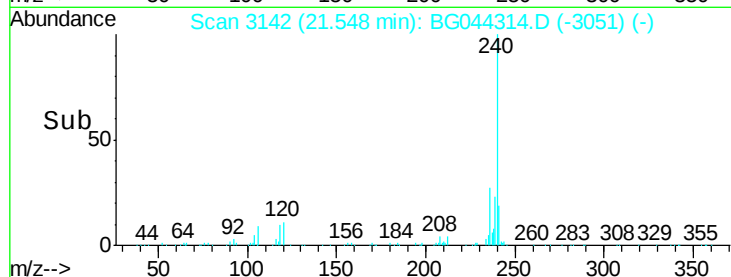
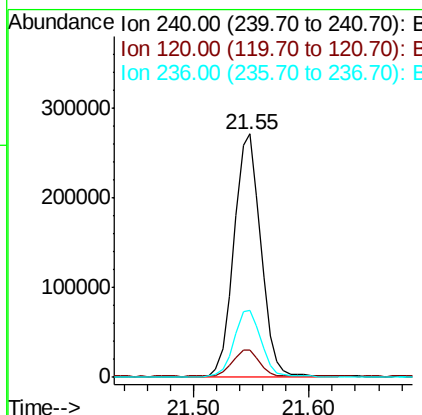
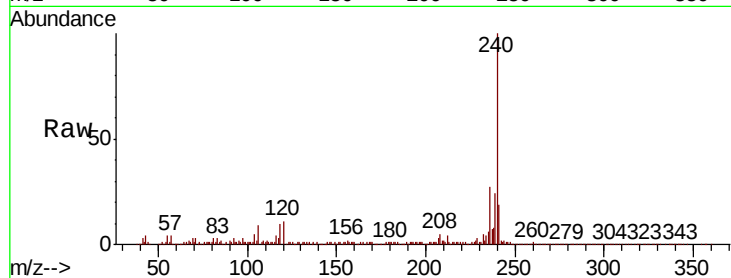




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

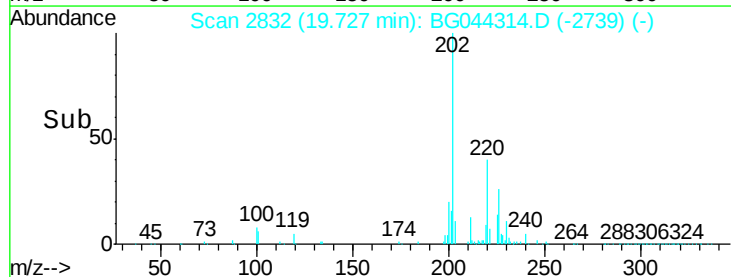
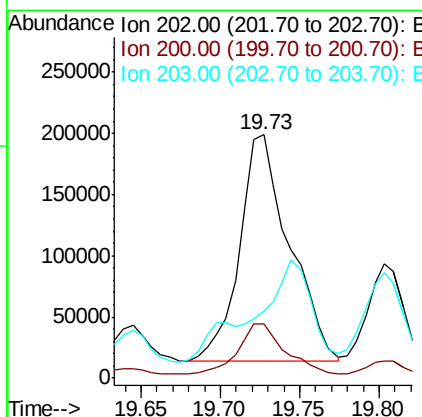
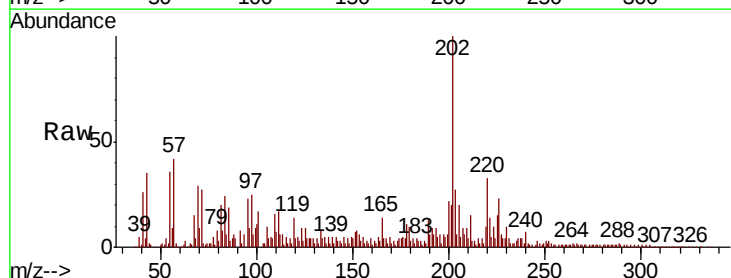
Instrument :
BNA_G
ClientSampleId :
SB-1

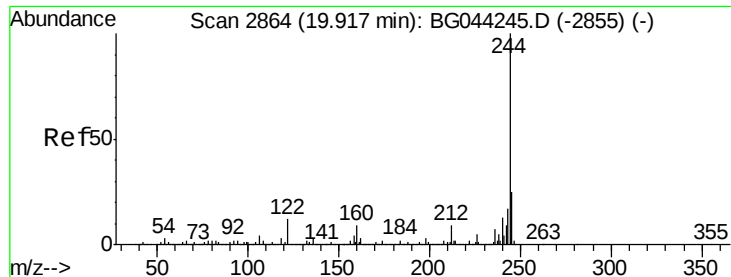
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	27.3	22.1	33.1



#78
Pyrene
Concen: 14.407 ng
RT: 19.73 min Scan# 2832
Delta R.T. 0.02 min
Lab File: BG044314.D
Acq: 5 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	20.0	30.0
203	27.4	16.2	24.2





#79

Terphenyl-d14

Concen: 82.829 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.01 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

Instrument :

BNA_G

ClientSampleId :

SB-1

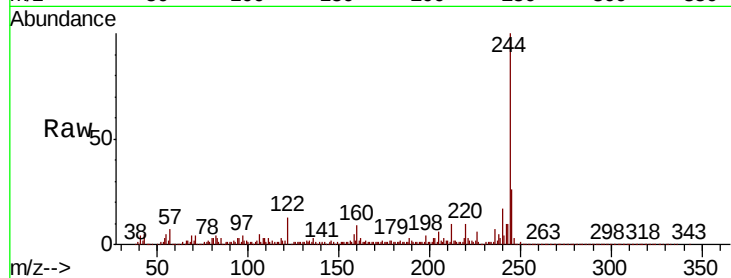
Tot Ion:244 Resp: 1754071

Ion Ratio Lower Upper

244 100

212 10.1 7.4 11.2

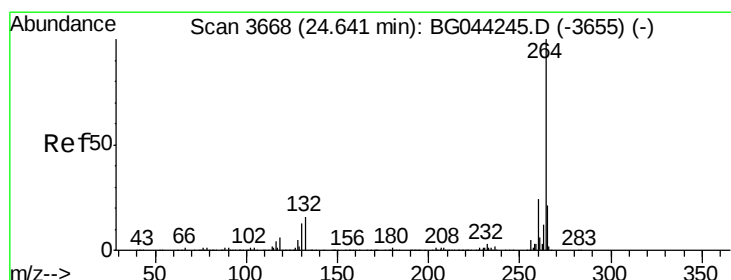
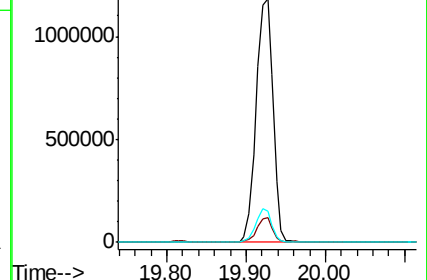
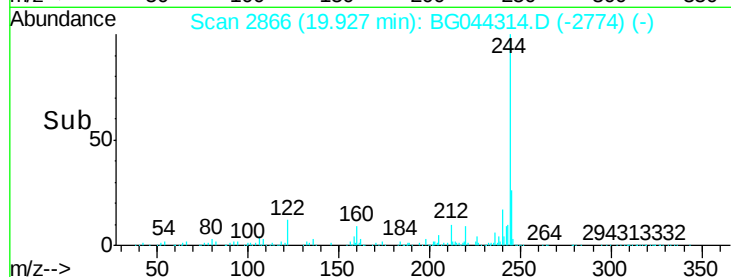
122 12.6 9.8 14.6



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: 20.000 ng

RT: 24.64 min Scan# 3669

Delta R.T. 0.00 min

Lab File: BG044314.D

Acq: 5 Feb 2020 21:23

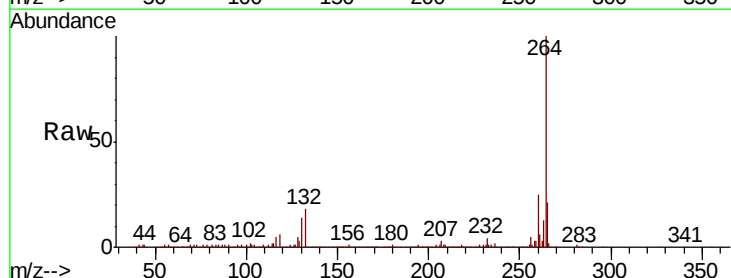
Tgt Ion:264 Resp: 519777

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 21.4 16.7 25.1



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

