

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020620\
 Data File : BG044327.D
 Acq On : 6 Feb 2020 17:54
 Operator : CG/JU
 Sample : L1390-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1DL

Quant Time: Feb 06 22:20:25 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

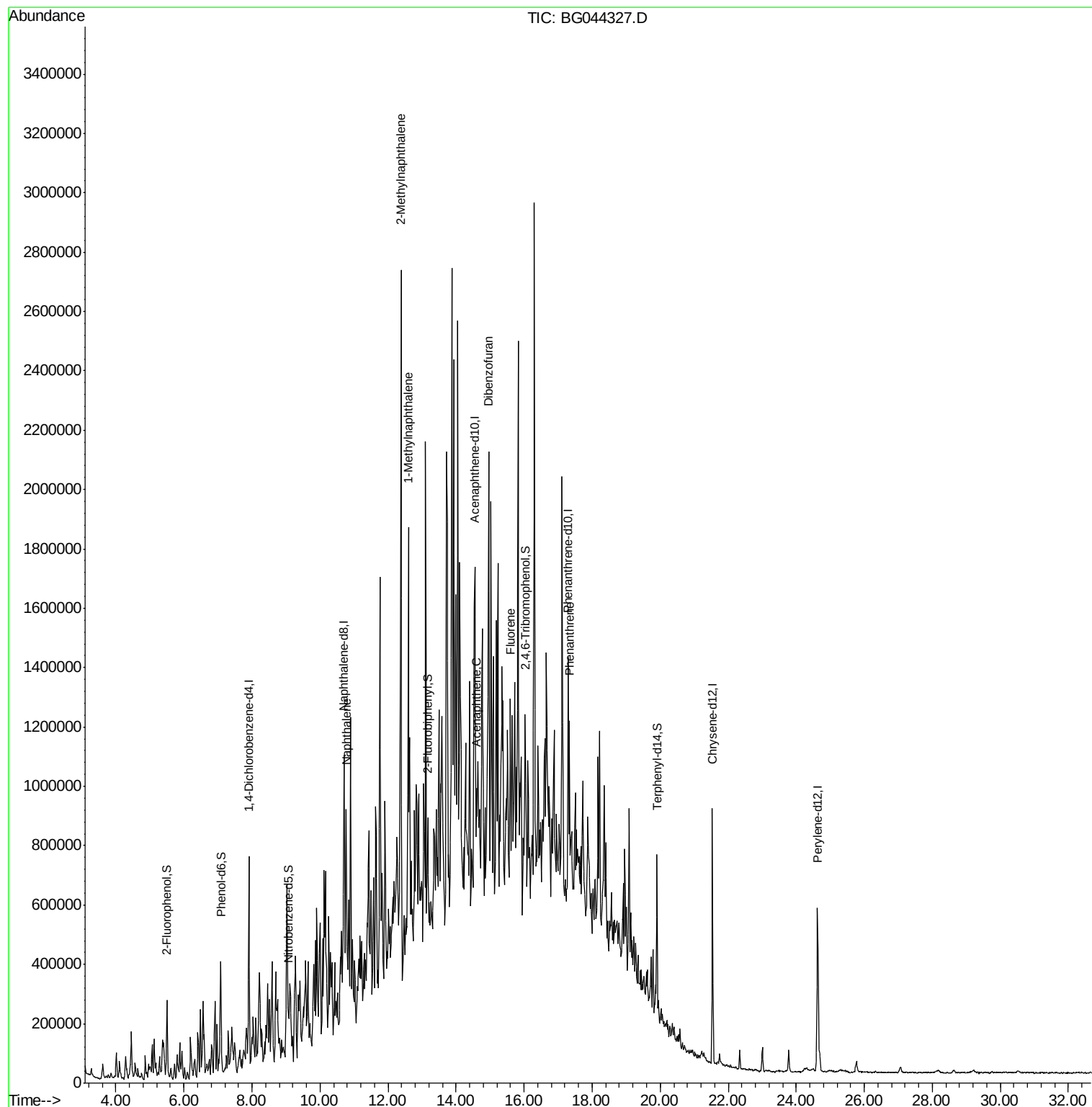
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	93399	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	369683	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	244259	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	510239	20.00	ng	0.00
76) Chrysene-d12	21.54	240	500230	20.00	ng	0.00
87) Perylene-d12	24.63	264	560743	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	75037	14.18	ng	0.00
7) Phenol-d6	7.08	99	96811	13.62	ng	0.00
23) Nitrobenzene-d5	9.07	82	61143	9.34	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	31262	10.90	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	154133	10.57	ng	0.00
79) Terphenyl-d14	19.91	244	250582	10.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.77	128	384408	21.432	ng	98
37) 2-Methylnaphthalene	12.38	142	1050970	78.920	ng	99
38) 1-Methylnaphthalene	12.59	142	643563	51.259	ng	100
52) Acenaphthene	14.62	154	42944	3.222	ng	# 84
55) Dibenzofuran	14.95	168	73547	3.644	ng	# 1
58) Fluorene	15.60	166	108913	6.852	ng	# 84
71) Phenanthrene	17.34	178	331432	13.414	ng	96

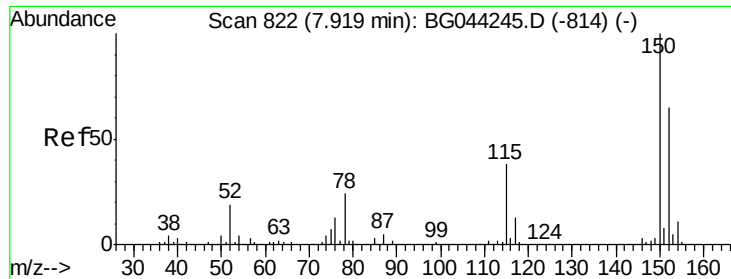
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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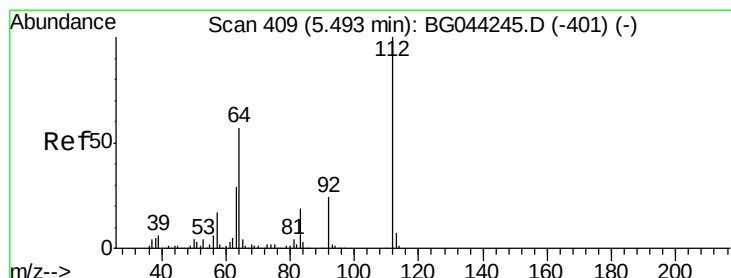
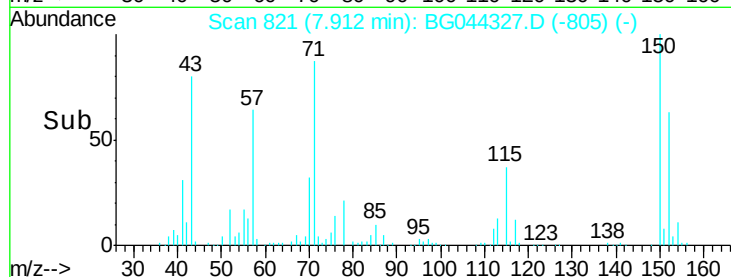
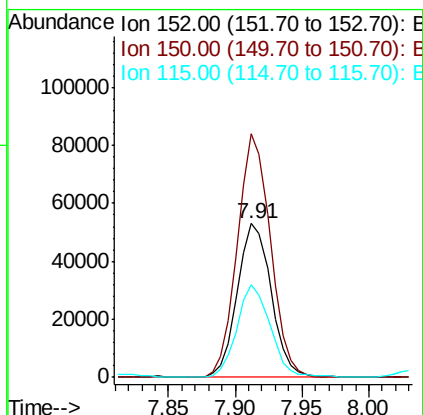
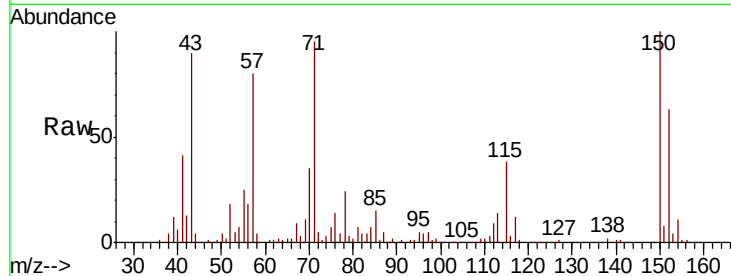


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Instrument :
BNA_G
ClientSampleId :
SB-1DL

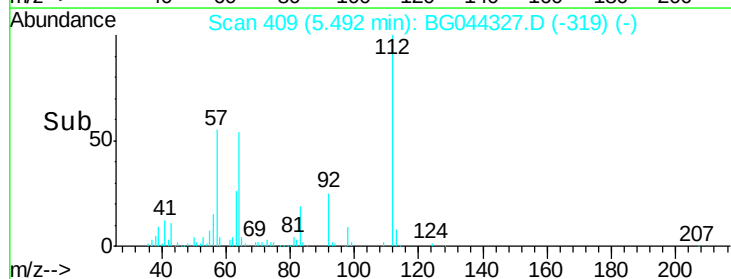
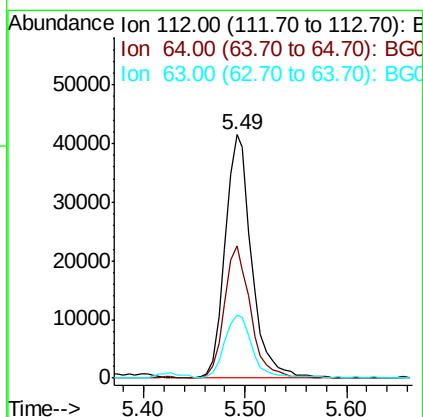
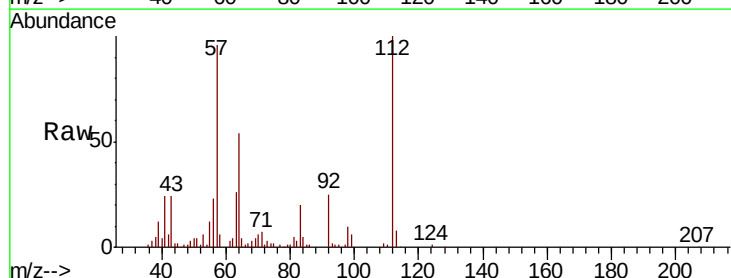
Tot Ion:152 Resp: 93399
Ion Ratio Lower Upper
152 100
150 158.2 122.6 183.8
115 60.2 46.0 69.0

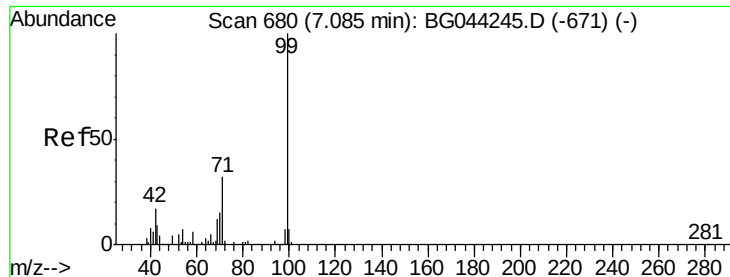


#5

2-Fluorophenol
Concen: 14.179 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Tgt Ion:112 Resp: 75037
Ion Ratio Lower Upper
112 100
64 54.3 45.4 68.2
63 26.1 22.9 34.3





#7

Phenol-d6

Concen: 13.623 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

SB-1DL

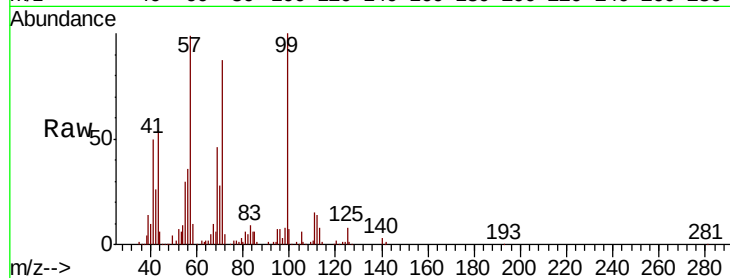
Tot Ion: 99 Resp: 96811

Ion Ratio Lower Upper

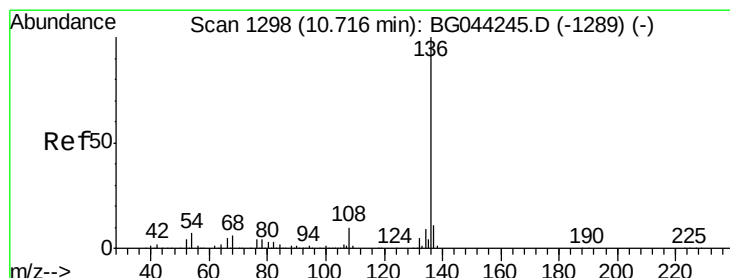
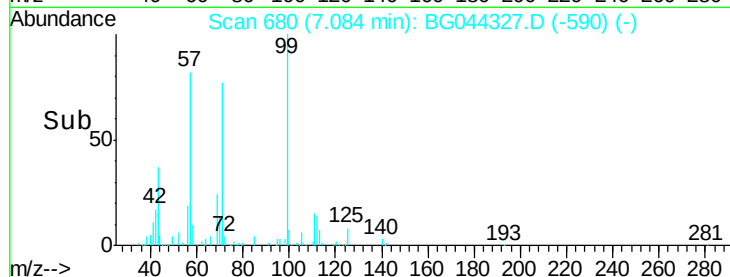
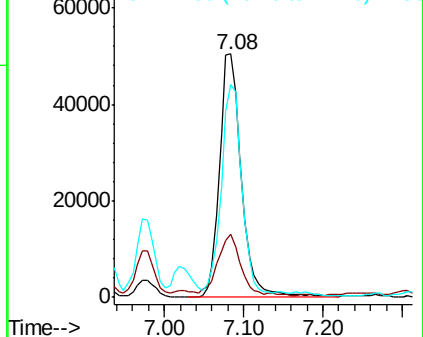
99 100

42 26.1 13.8 20.6#

71 87.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.71 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

Tgt Ion: 136 Resp: 369683

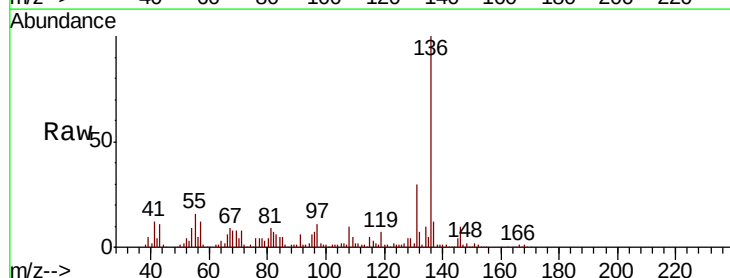
Ion Ratio Lower Upper

136 100

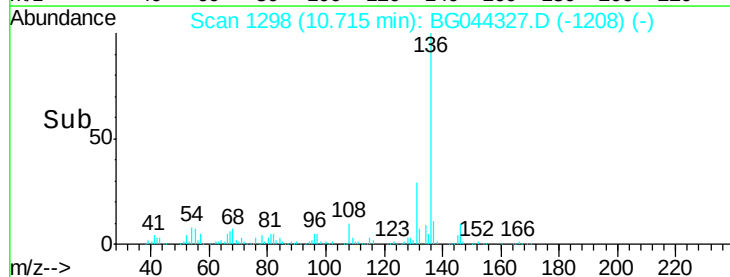
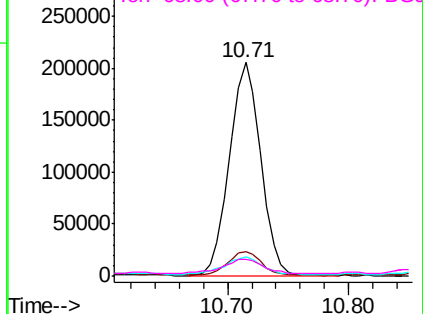
137 11.6 8.8 13.2

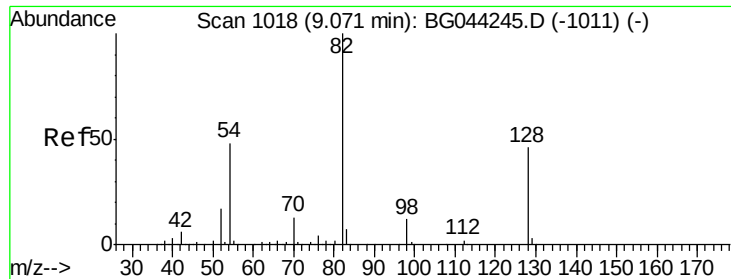
54 8.7 5.8 8.8

68 8.0 4.6 6.8#



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

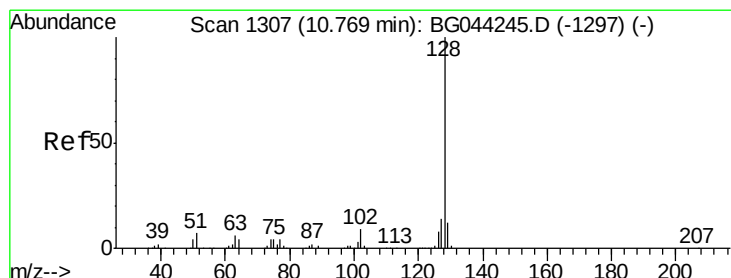
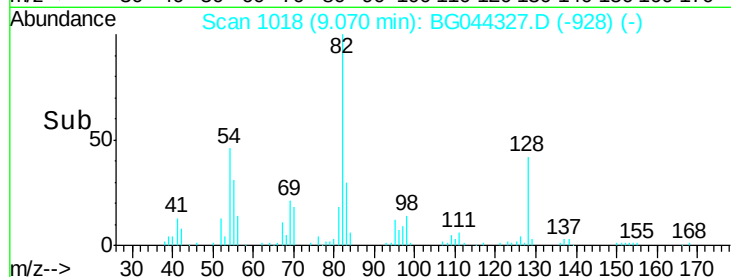
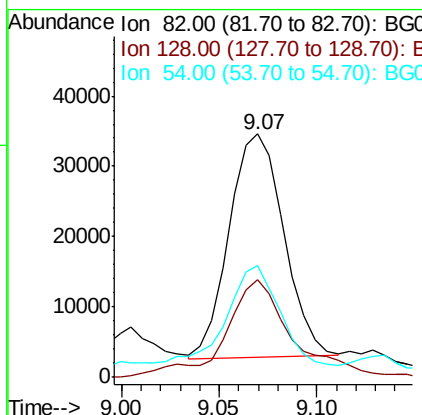
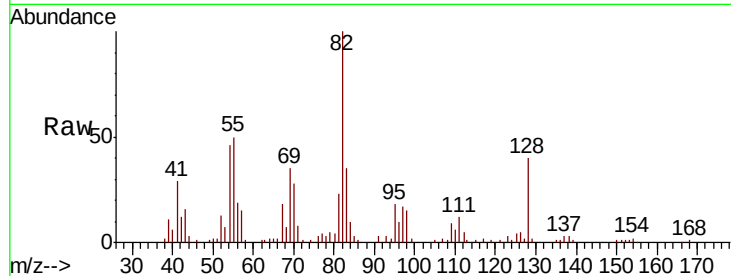




#23
Nitrobenzene-d5
Concen: 9.337 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

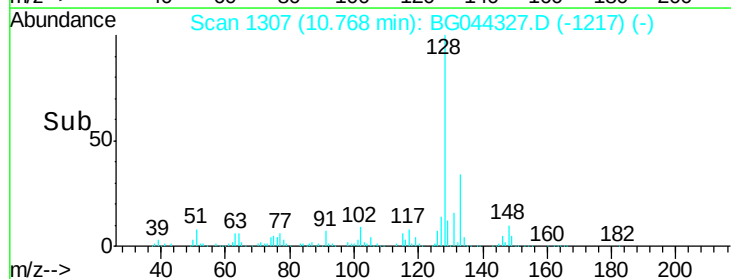
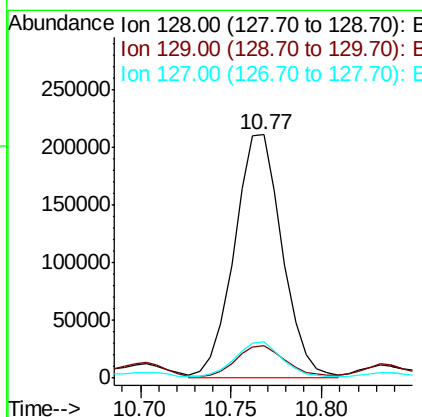
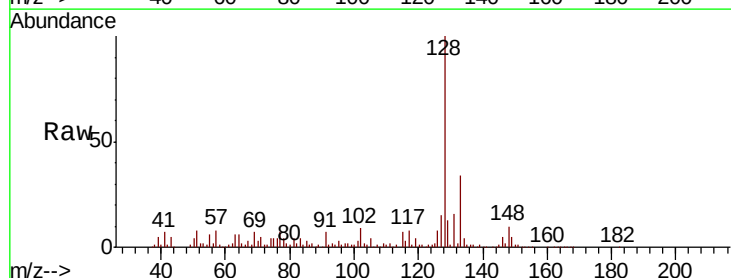
Instrument :
BNA_G
ClientSampleId :
SB-1DL

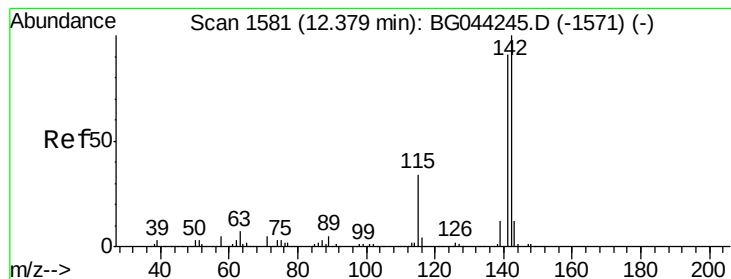
Tot Ion	82	Resp	61143
Ion Ratio	Lower	Upper	
82	100		
128	40.3	36.5	54.7
54	46.0	38.6	58.0



#31
Naphthalene
Concen: 21.432 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Tgt Ion	128	Resp	384408
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.3	13.9
127	14.7	11.6	17.4





#37

2-Methylnaphthalene

Concen: 78.920 ng

RT: 12.38 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

SB-1DL

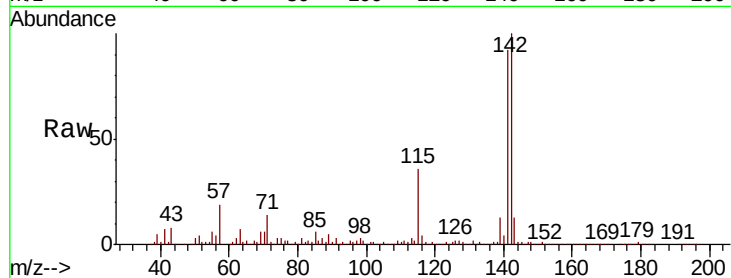
Tot Ion:142 Resp: 1050970

Ion Ratio Lower Upper

142 100

141 92.0 73.2 109.8

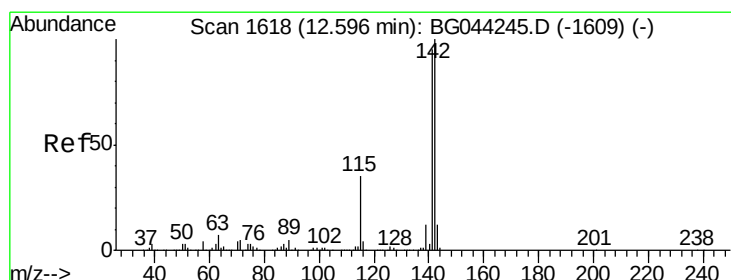
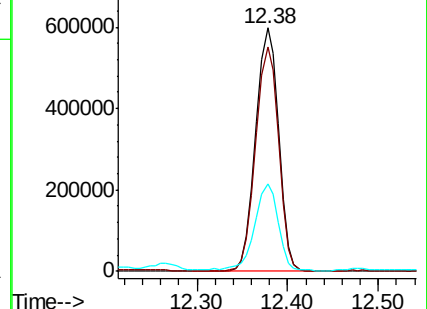
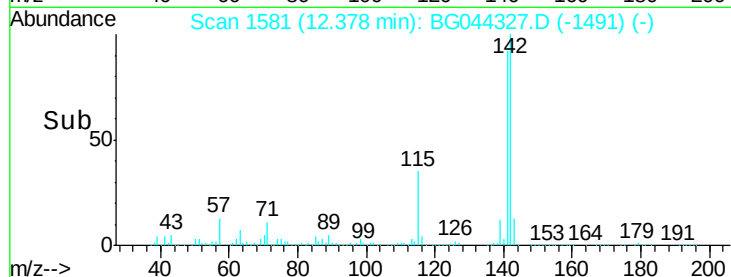
115 36.2 27.1 40.7



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: 51.259 ng

RT: 12.59 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

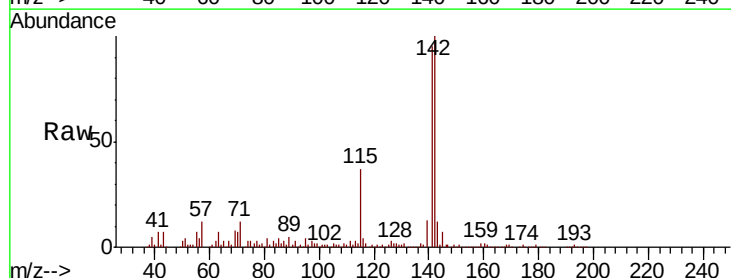
Tgt Ion:142 Resp: 643563

Ion Ratio Lower Upper

142 100

141 95.0 75.8 113.6

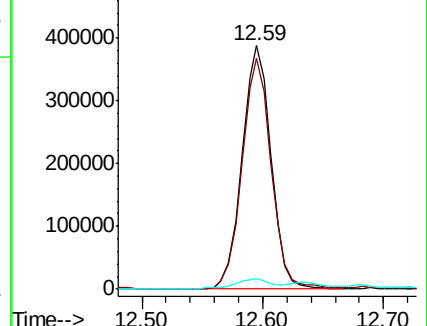
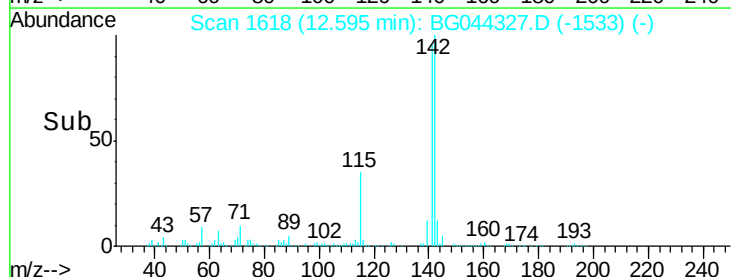
116 4.3 3.1 4.7

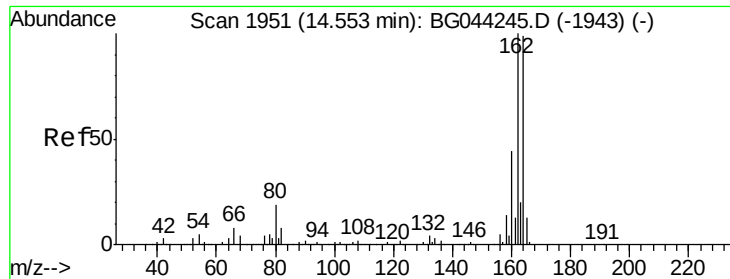


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

SB-1DL

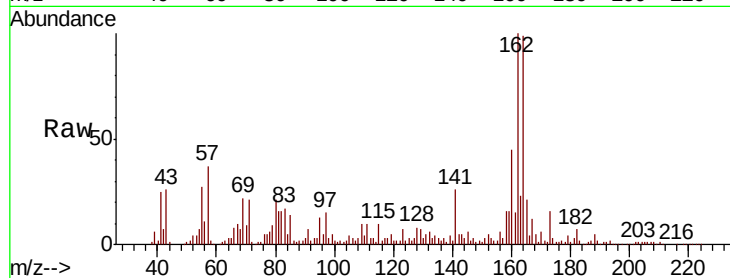
Tot Ion:164 Resp: 244259

Ion Ratio Lower Upper

164 100

162 100.6 80.7 121.1

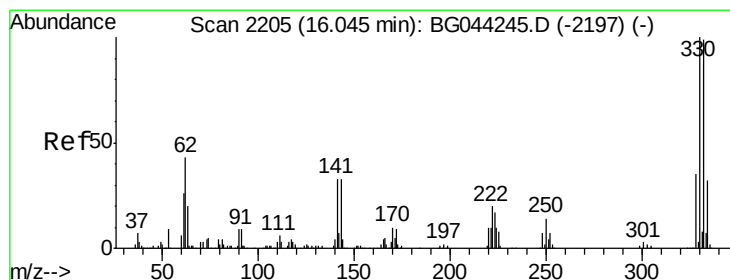
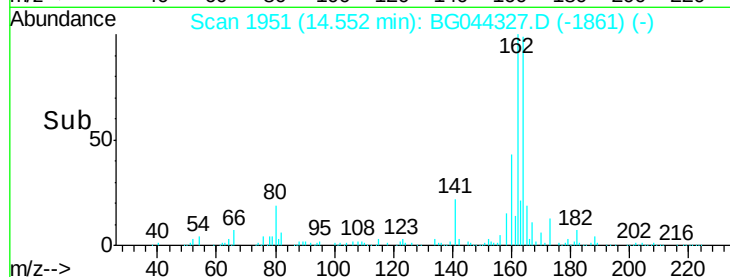
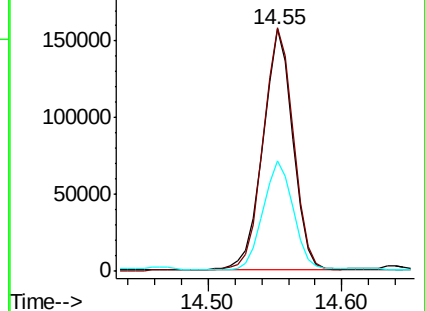
160 45.6 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 10.902 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

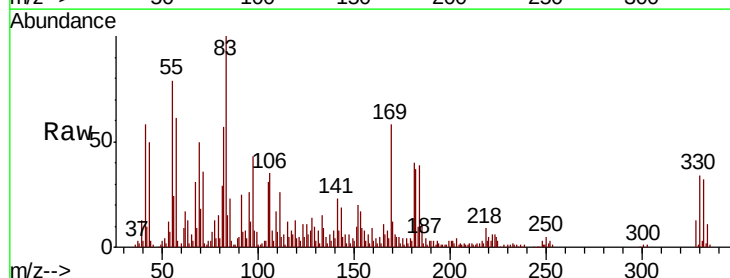
Tgt Ion:330 Resp: 31262

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

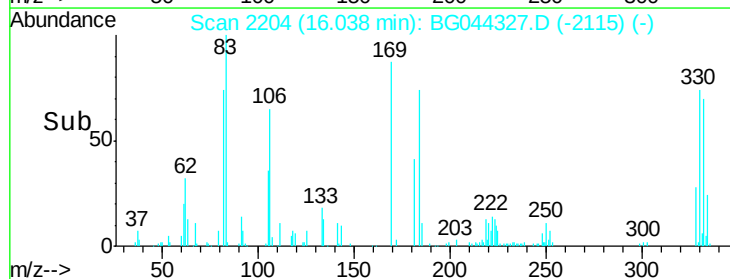
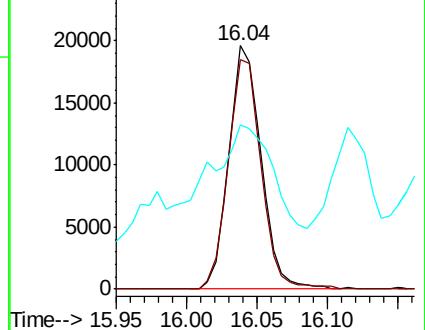
141 77.5 28.3 42.5#

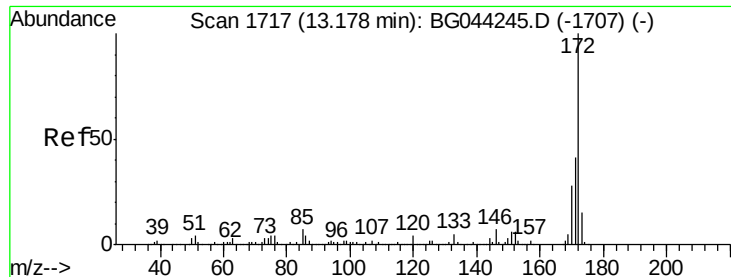


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

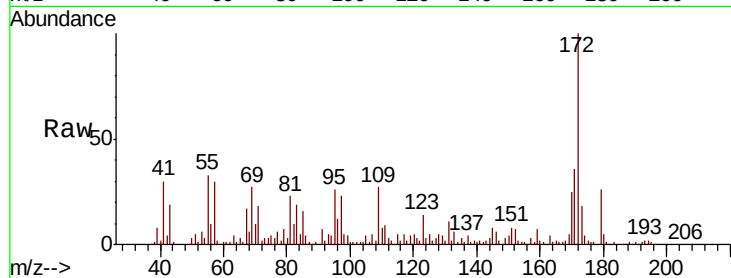




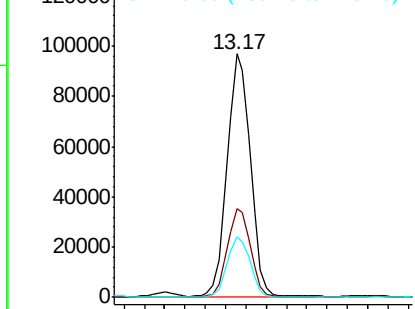
#45
2-Fluorobiphenyl
Concen: 10.567 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Instrument :
BNA_G
ClientSampleId :
SB-1DL

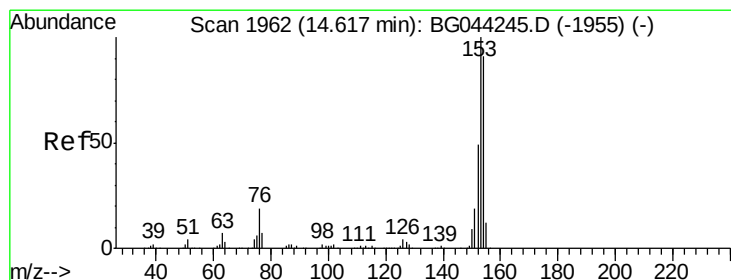
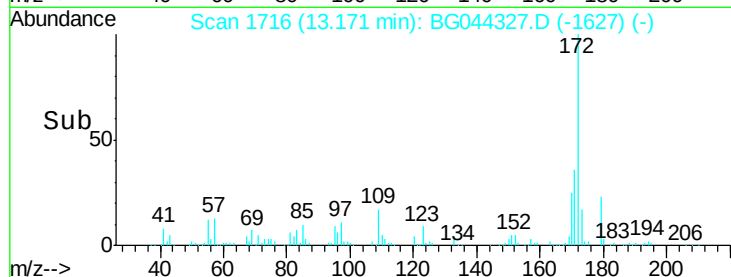
Tot Ion:172 Resp: 154133
Ion Ratio Lower Upper
172 100
171 36.4 32.9 49.3
170 25.0 22.0 33.0



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

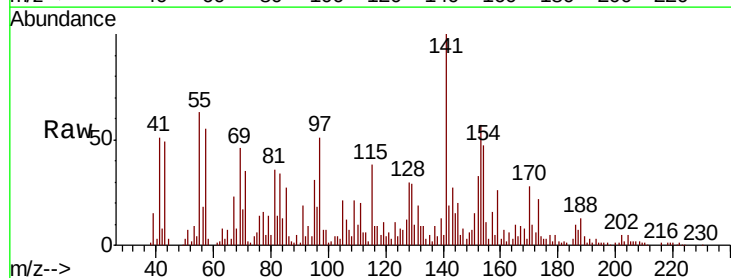


Time--> 13.10 13.20 13.30

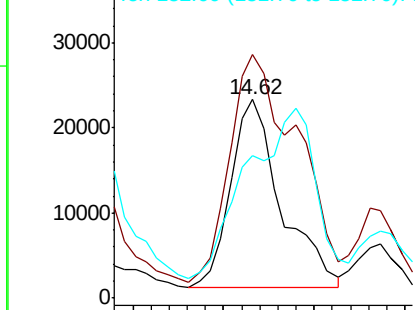


#52
Acenaphthene
Concen: 3.222 ng
RT: 14.62 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

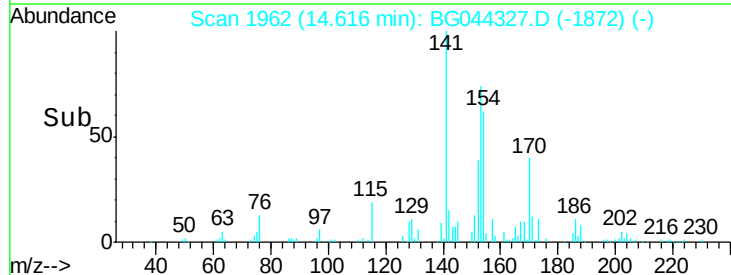
Tgt Ion:154 Resp: 42944
Ion Ratio Lower Upper
154 100
153 122.6 87.9 131.9
152 71.5 43.1 64.7#

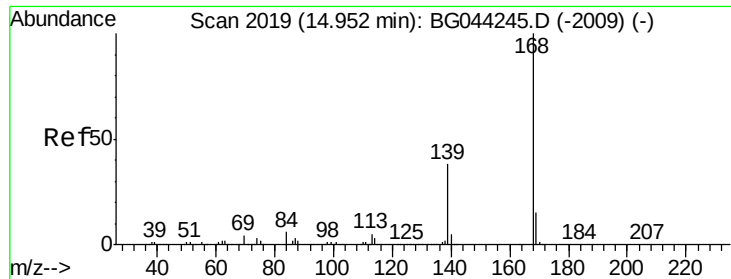


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time--> 14.55 14.60 14.65

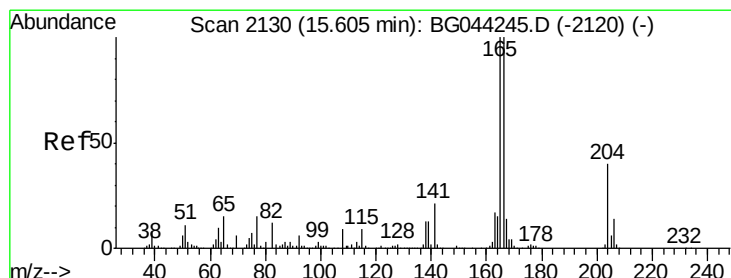
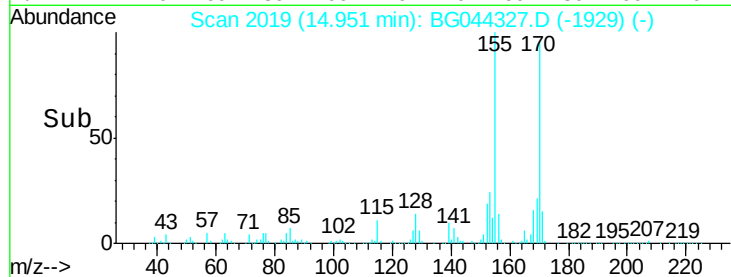
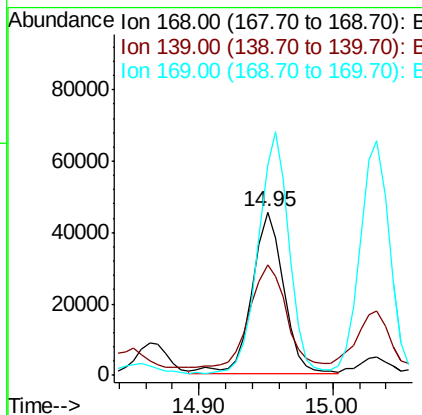
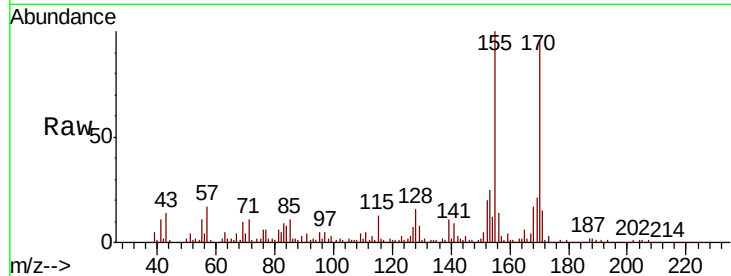




#55
Dibenzenofuran
Concen: 3.644 ng
RT: 14.95 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

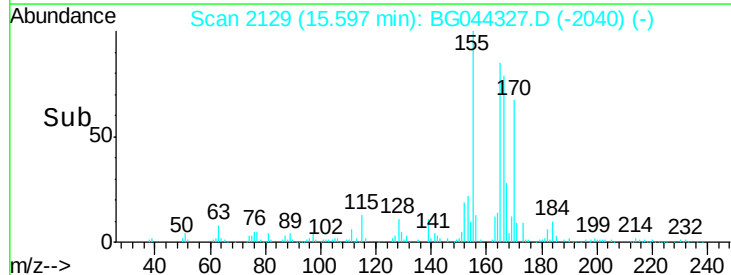
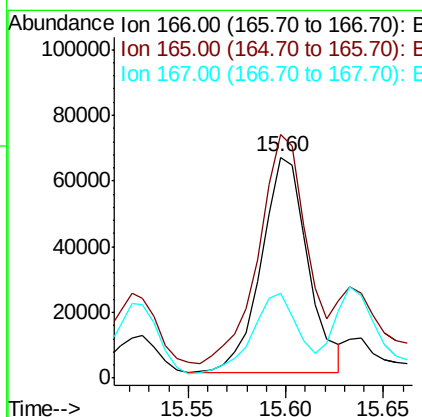
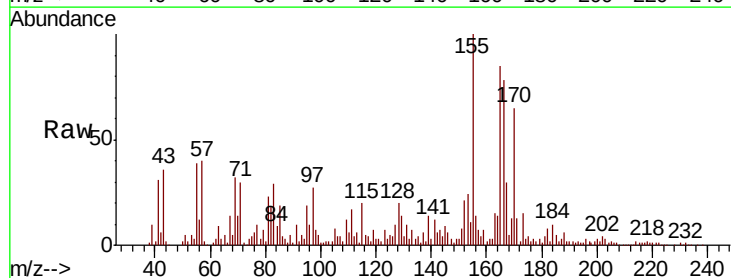
Instrument :
BNA_G
ClientSampleId :
SB-1DL

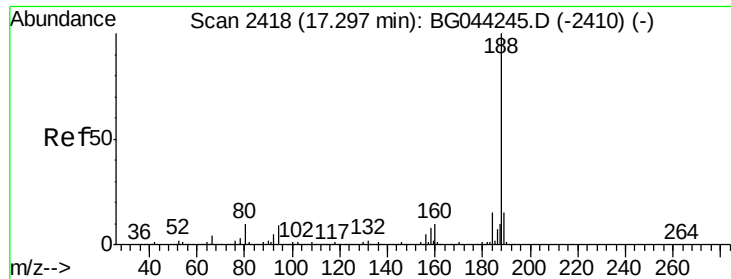
Tot Ion:168 Resp: 73547
Ion Ratio Lower Upper
168 100
139 67.8 30.5 45.7#
169 129.2 11.7 17.5#



#58
Fluorene
Concen: 6.852 ng
RT: 15.60 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Tgt Ion:166 Resp: 108913
Ion Ratio Lower Upper
166 100
165 110.1 79.9 119.9
167 38.4 11.4 17.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

SB-1DL

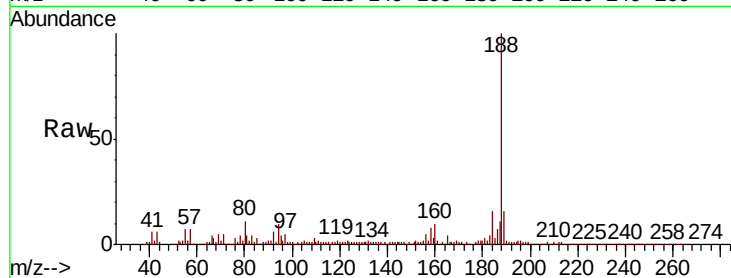
Tot Ion:188 Resp: 510239

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

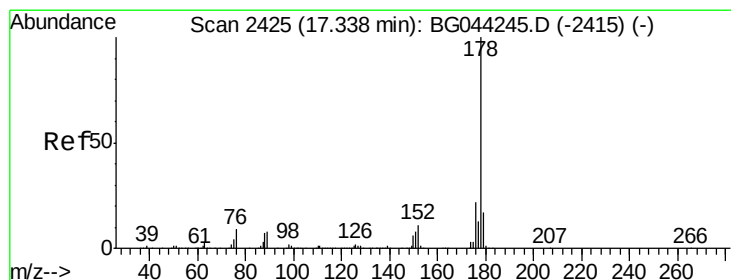
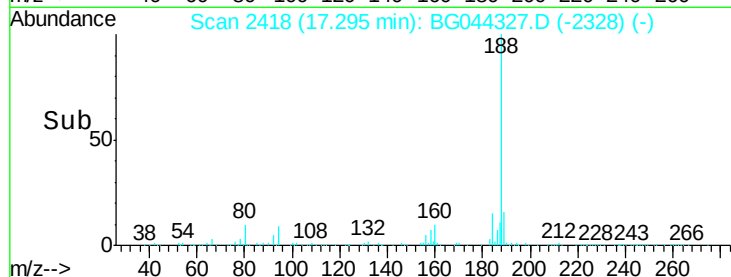
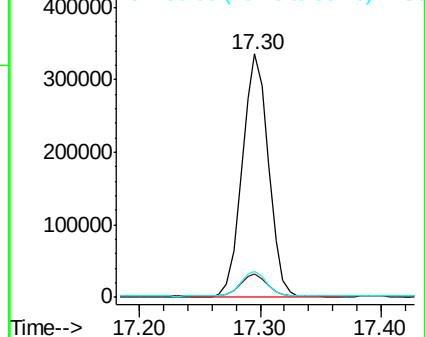
80 10.7 7.7 11.5



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: 13.414 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG044327.D

Acq: 6 Feb 2020 17:54

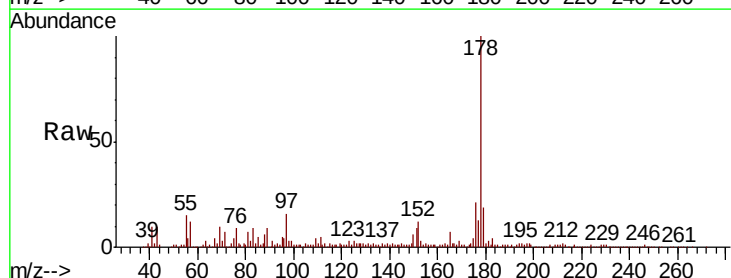
Tgt Ion:178 Resp: 331432

Ion Ratio Lower Upper

178 100

176 20.5 17.7 26.5

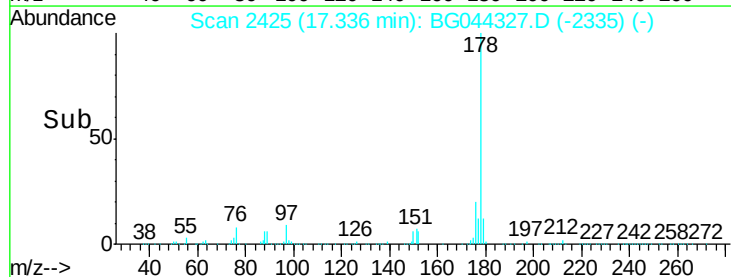
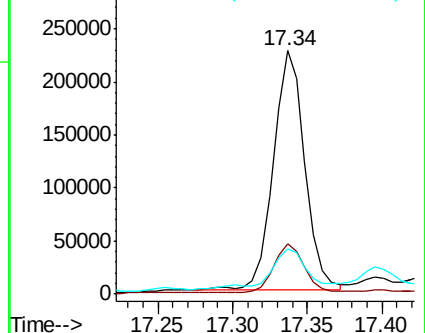
179 18.7 13.7 20.5

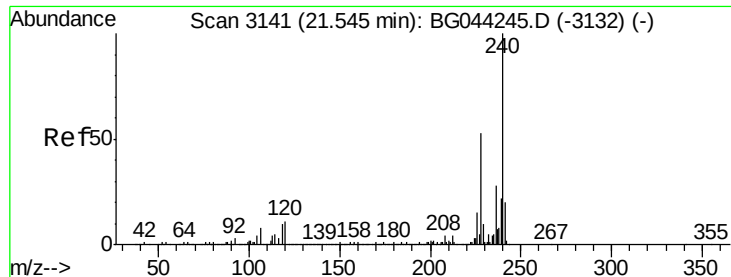


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

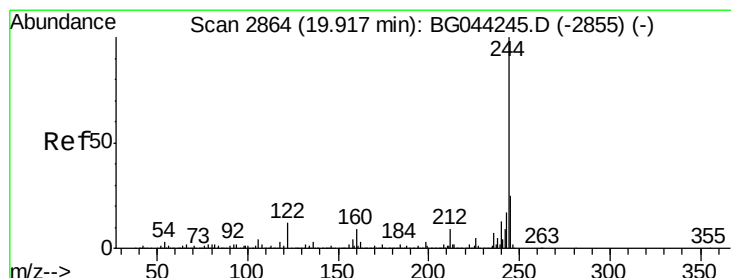
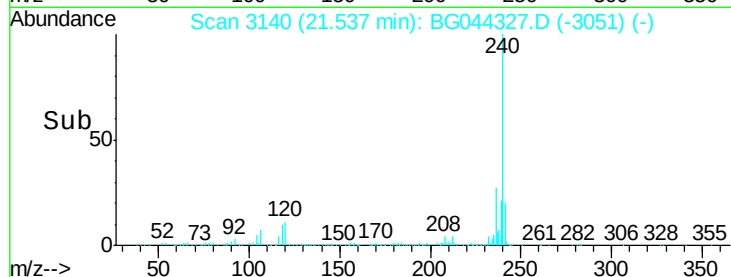
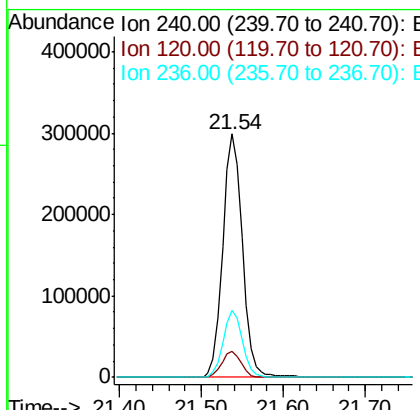
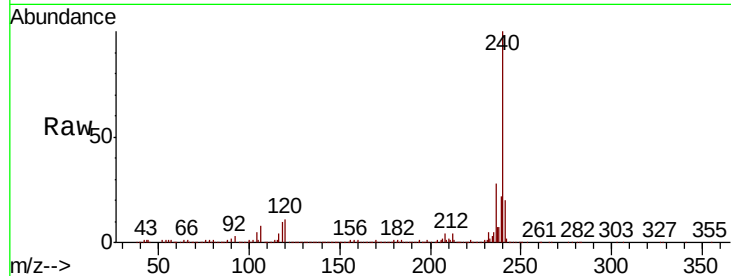




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BG044327.D
 Acq: 6 Feb 2020 17:54

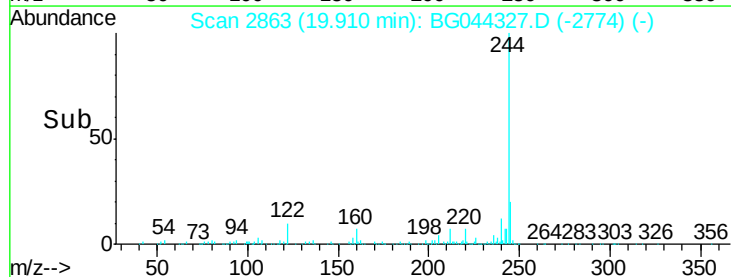
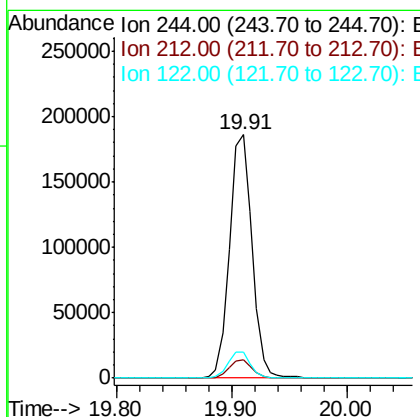
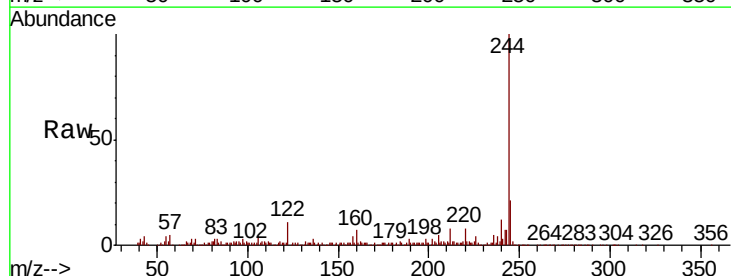
Instrument :
 BNA_G
 ClientSampleId :
 SB-1DL

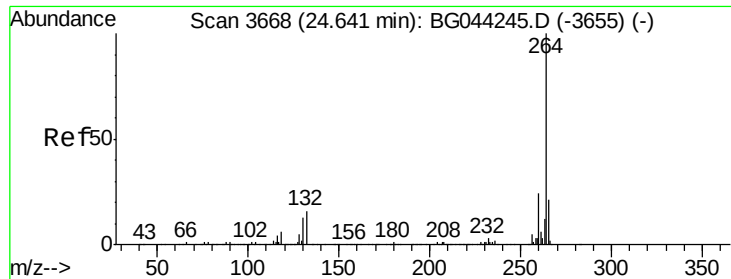
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.4	12.6
236	27.5	22.1	33.1



#79
 Terphenyl-d14
 Concen: 10.304 ng
 RT: 19.91 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BG044327.D
 Acq: 6 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.4	11.2
122	10.7	9.8	14.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.63 min Scan# 3666
Delta R.T. -0.01 min
Lab File: BG044327.D
Acq: 6 Feb 2020 17:54

Instrument :
BNA_G
ClientSampleId :
SB-1DL

Tot Ion: 264 Resp: 560743

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.5	16.7	25.1

