

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043281.D
 Acq On : 18 Oct 2019 18:44
 Operator : JU
 Sample : K5406-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Quant Time: Oct 19 01:05:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

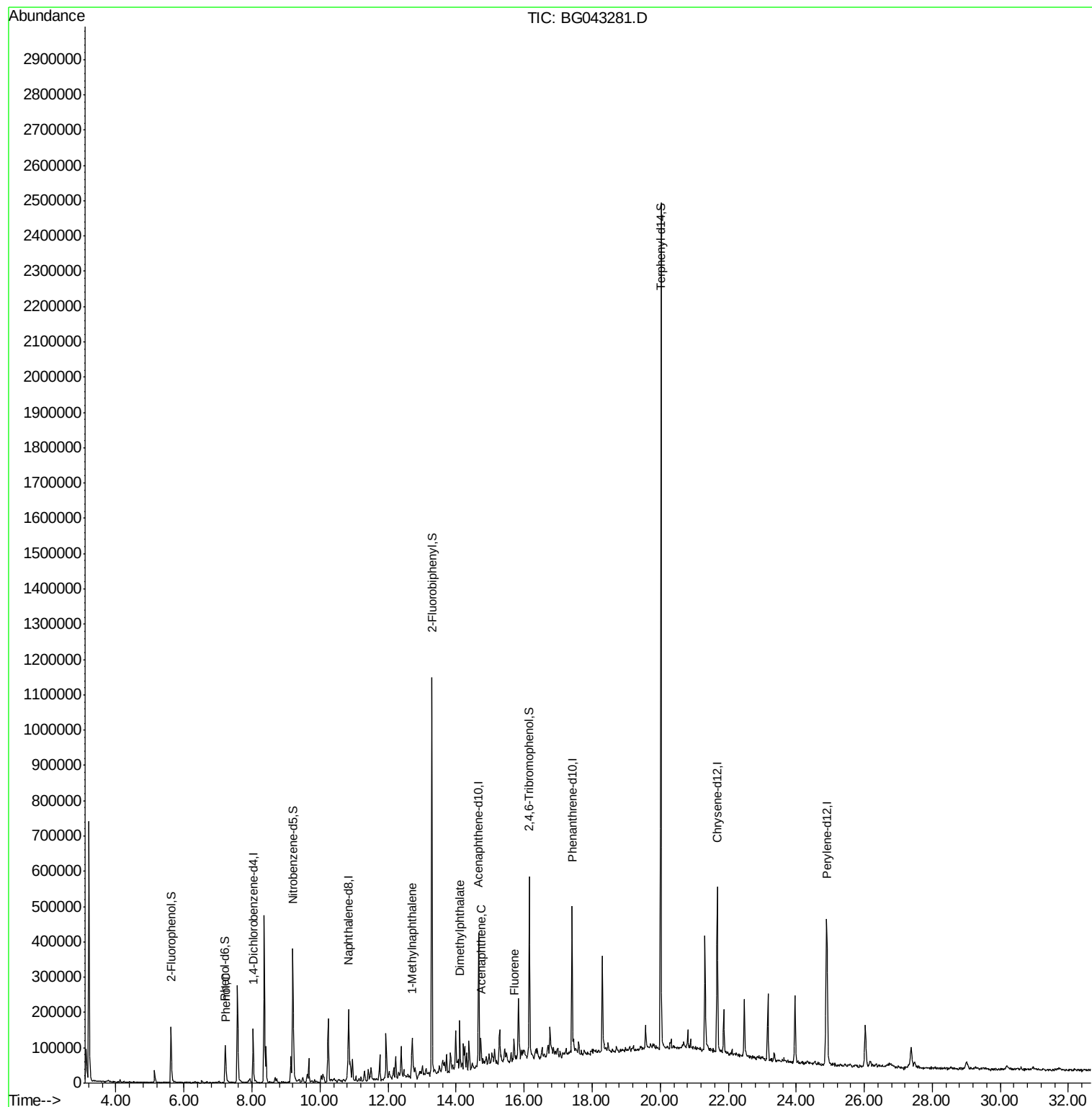
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	45243	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	171956	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	128160	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	286494	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	318277	20.00	ng	-0.01
87) Perylene-d12	24.89	264	380252	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	80273	31.66	ng	-0.02
7) Phenol-d6	7.21	99	75105	20.57	ng	-0.02
23) Nitrobenzene-d5	9.20	82	251041	70.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	124558	56.52	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	648470	73.35	ng	-0.02
79) Terphenyl-d14	20.02	244	1278993	85.63	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10096	3.014	ng	82
38) 1-Methylnaphthalene	12.71	142	52692	8.623	ng	91
50) Dimethylphthalate	14.11	163	92606	9.644	ng	97
52) Acenaphthene	14.72	154	29715	3.982	ng	98
58) Fluorene	15.71	166	19817	2.102	ng	88

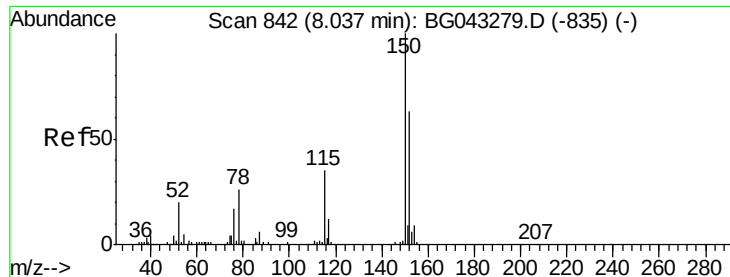
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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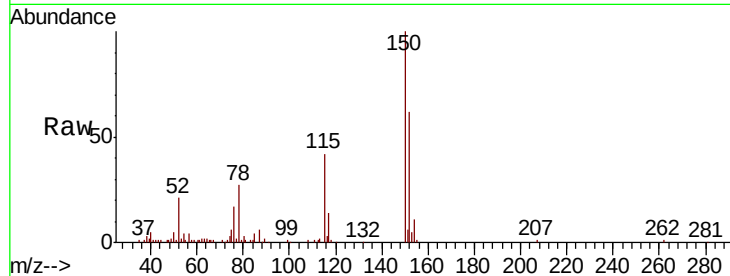


#1

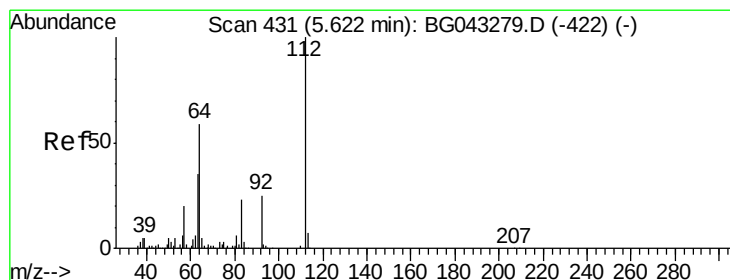
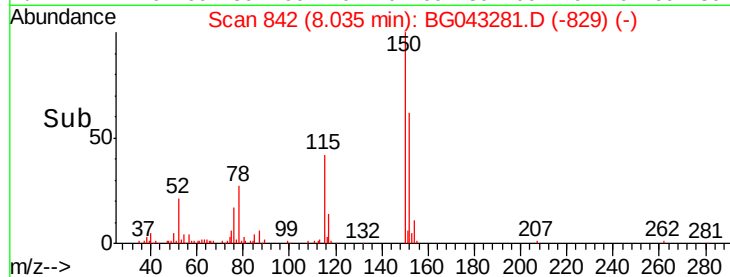
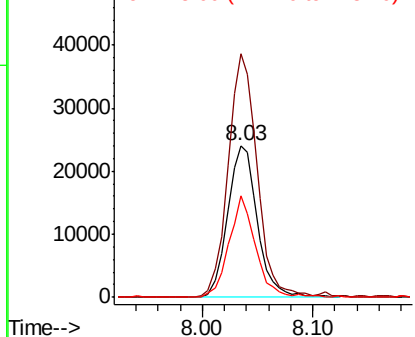
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion:152 Resp: 45243
Ion Ratio Lower Upper
152 100
150 160.4 115.0 172.4
115 67.2 47.0 70.6



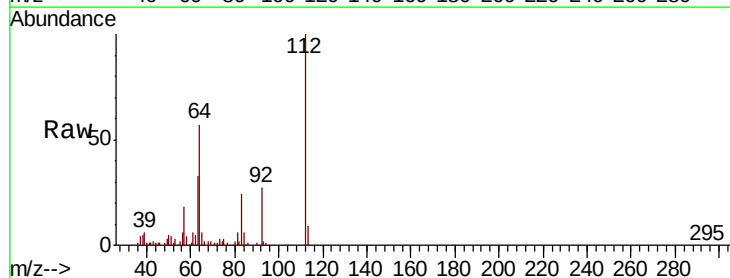
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



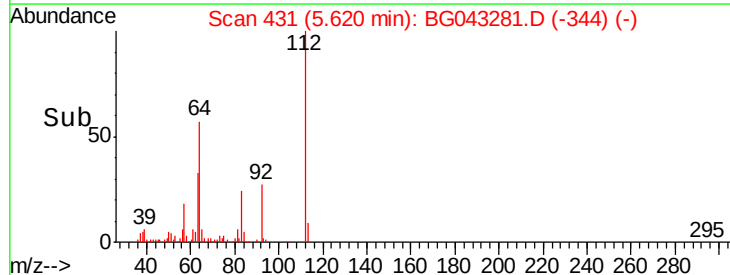
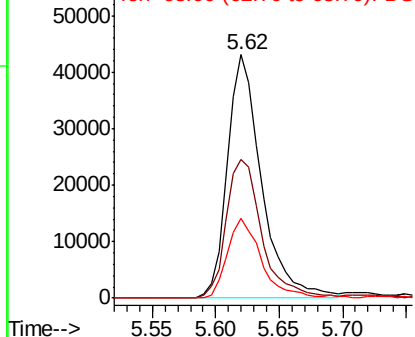
#5

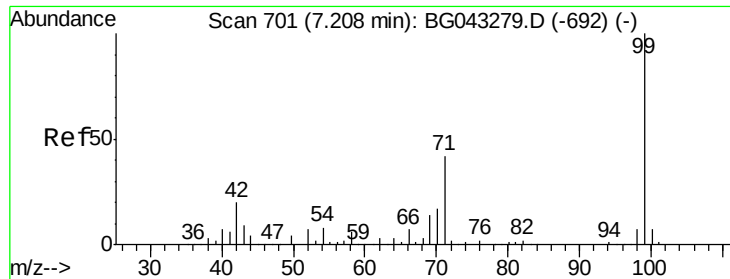
2-Fluorophenol
Concen: 31.664 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion:112 Resp: 80273
Ion Ratio Lower Upper
112 100
64 56.9 56.6 84.8
63 32.7 35.1 52.7#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 20.572 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

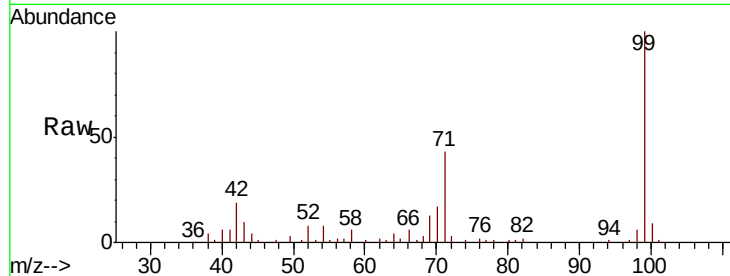
Tot Ion: 99 Resp: 75105

Ion Ratio Lower Upper

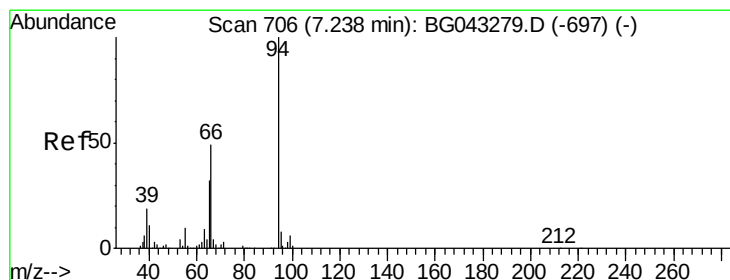
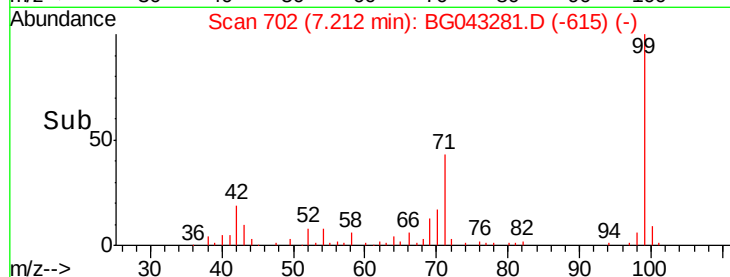
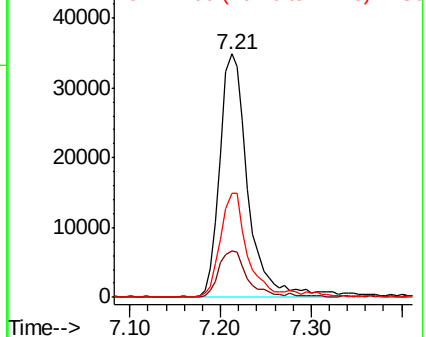
99 100

42 19.3 17.2 25.8

71 42.9 33.1 49.7



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: 3.014 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.01 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

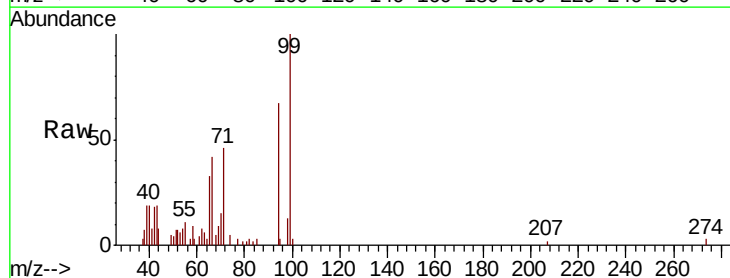
Tgt Ion: 94 Resp: 10096

Ion Ratio Lower Upper

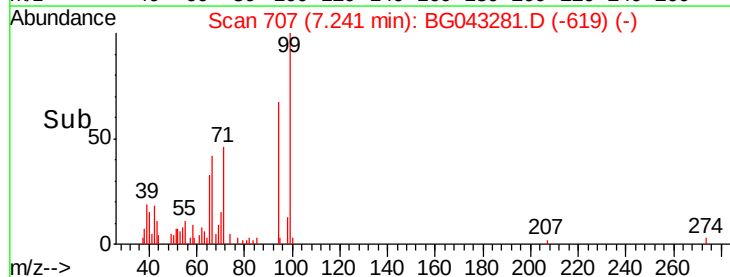
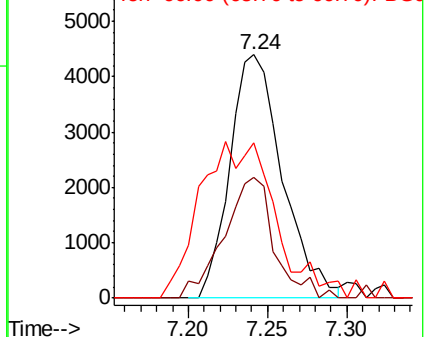
94 100

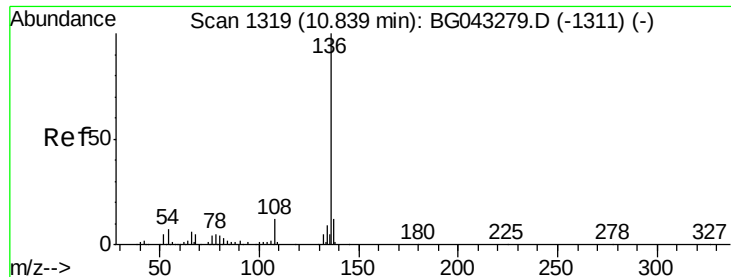
65 49.7 16.6 56.6

66 63.6 32.4 72.4



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

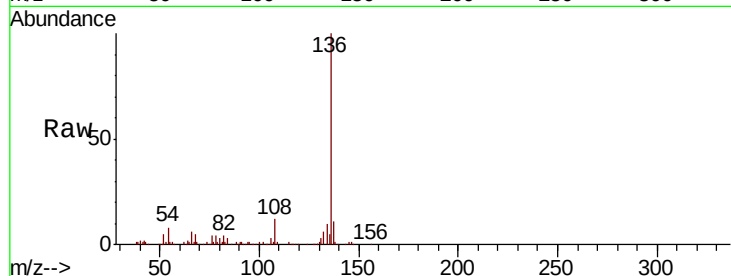




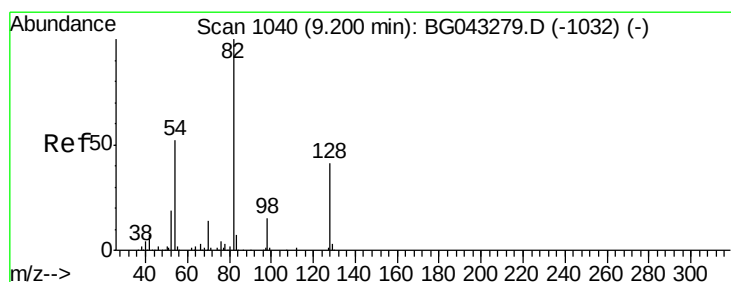
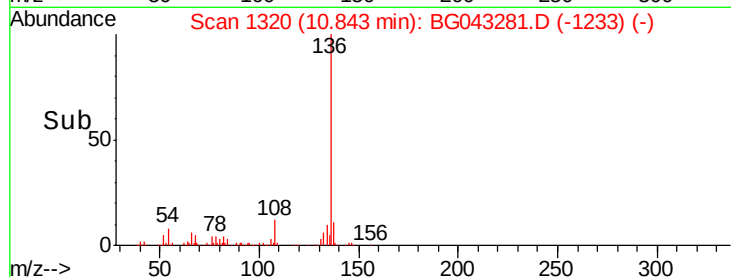
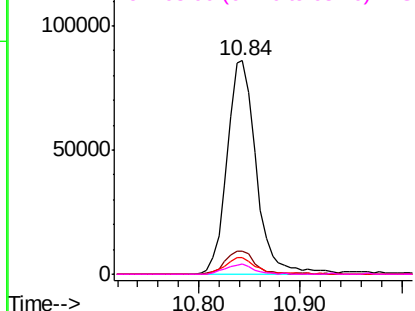
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion:136	Resp:	171956
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.5 12.7
54	7.7	7.4 11.2
68	4.9	3.6 5.4

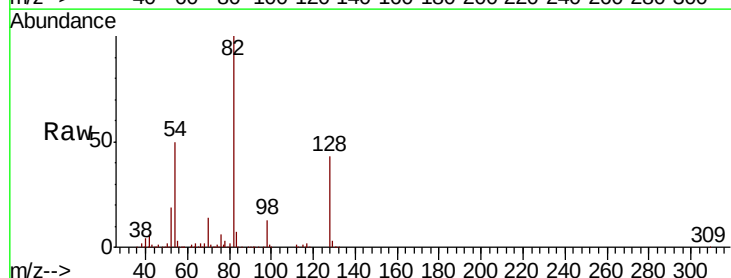


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

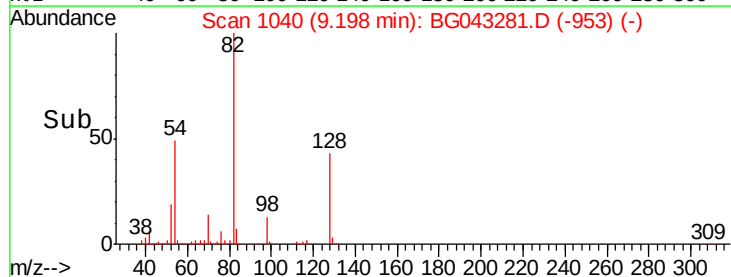
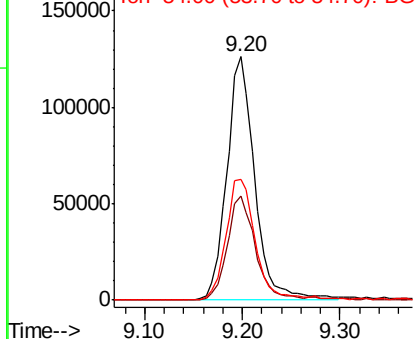


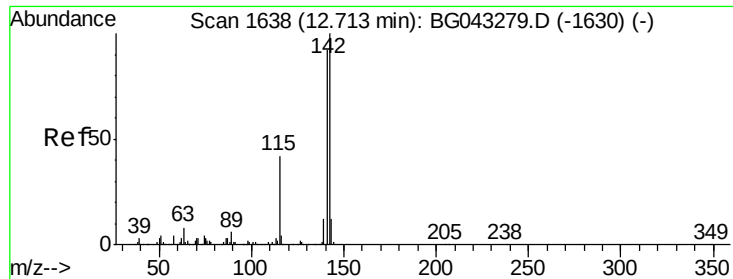
#23
Nitrobenzene-d5
Concen: 70.959 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion: 82	Resp:	251041
Ion	Ratio	Lower Upper
82	100	
128	42.7	29.5 44.3
54	49.6	44.6 67.0



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





#38

1-Methylnaphthalene

Concen: 8.623 ng

RT: 12.71 min Scan# 1638

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

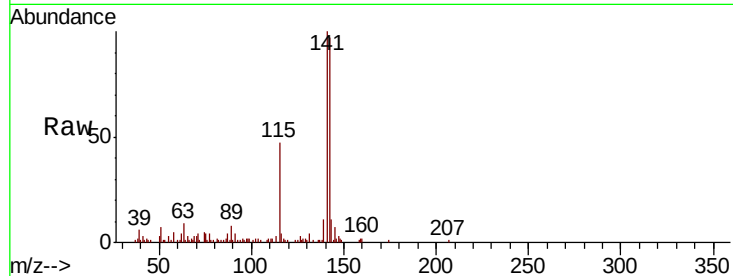
Tot Ion:142 Resp: 52692

Ion Ratio Lower Upper

142 100

141 102.7 74.9 112.3

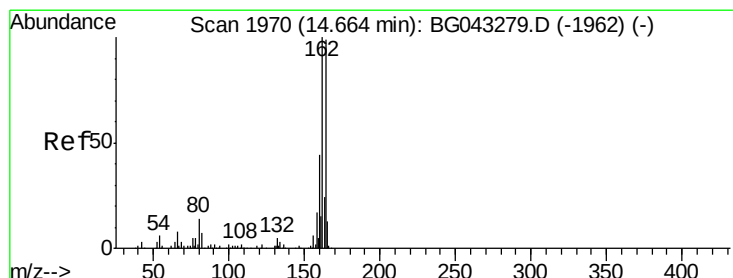
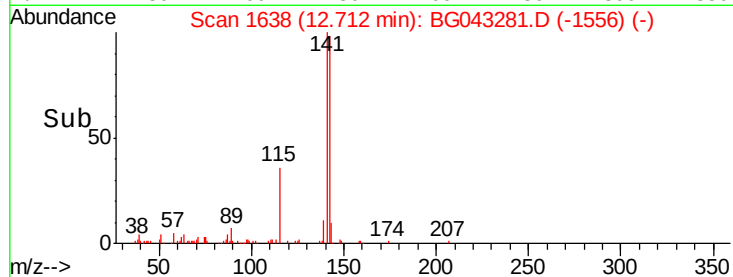
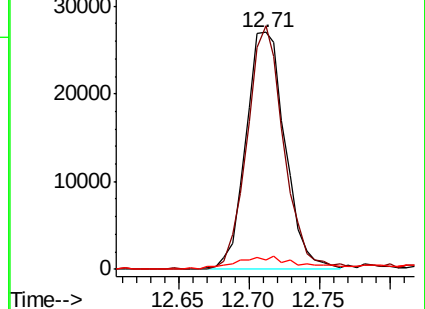
116 4.0 3.7 5.5



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: 14.66 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

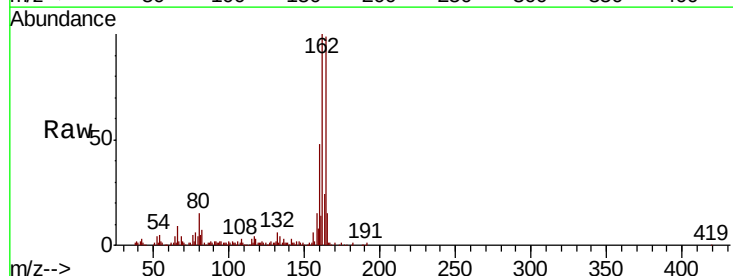
Tgt Ion:164 Resp: 128160

Ion Ratio Lower Upper

164 100

162 101.4 78.5 117.7

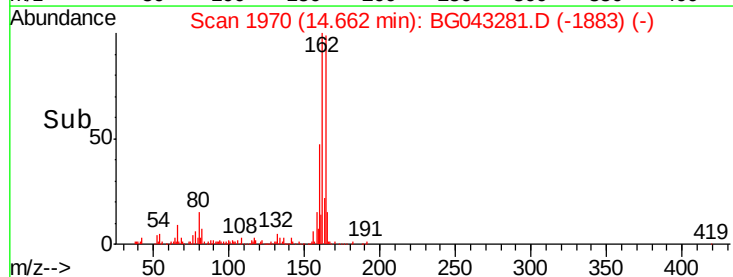
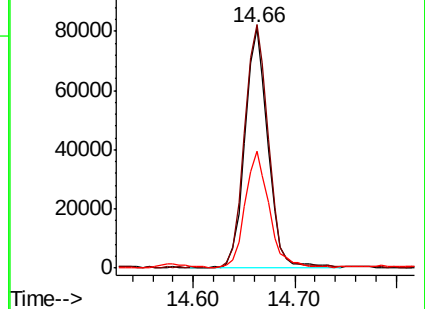
160 48.6 35.9 53.9

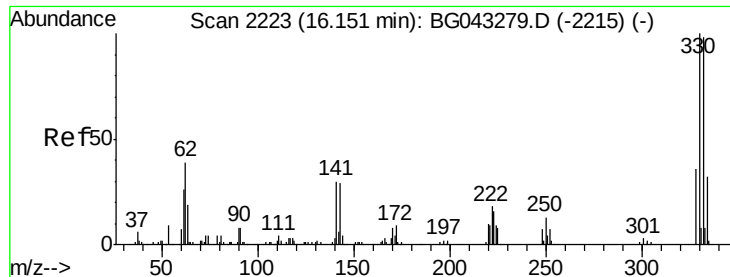


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 56.520 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampled :

MW-16

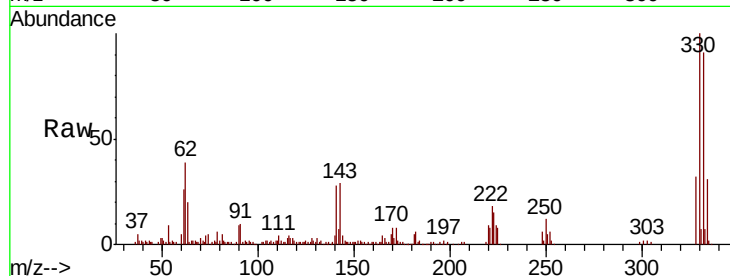
Tot Ion:330 Resp: 124558

Ion Ratio Lower Upper

330 100

332 94.9 78.2 117.2

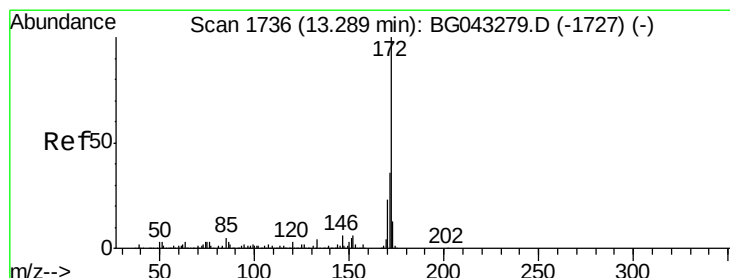
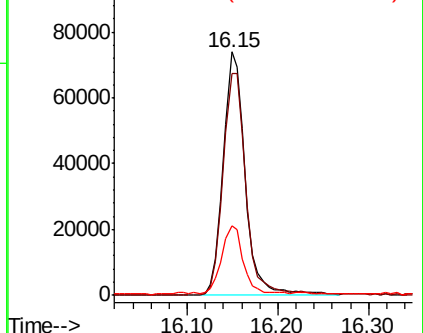
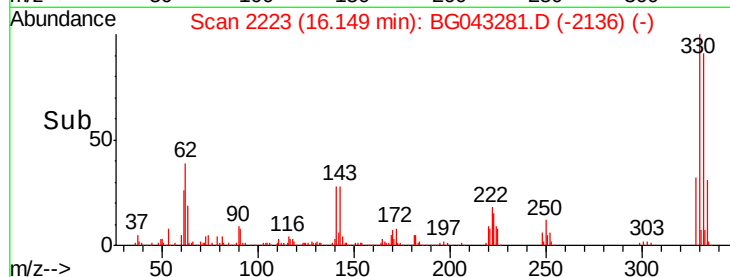
141 27.4 26.0 39.0



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: 73.353 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

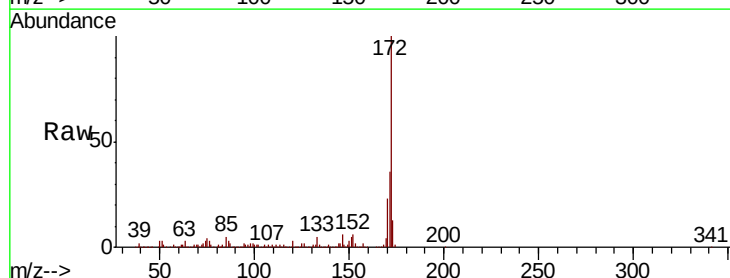
Tgt Ion:172 Resp: 648470

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

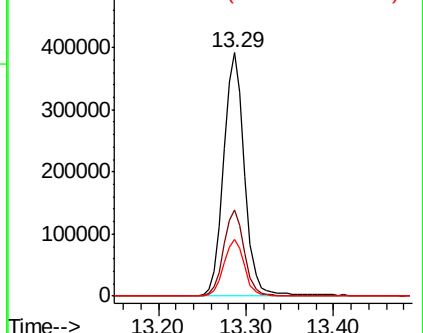
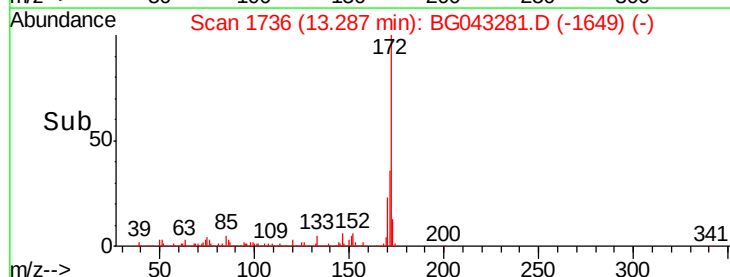
170 23.1 19.6 29.4

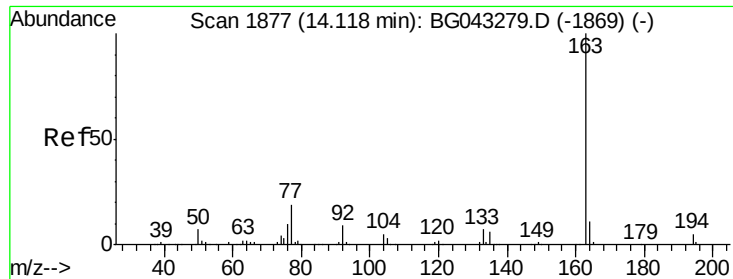


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.644 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

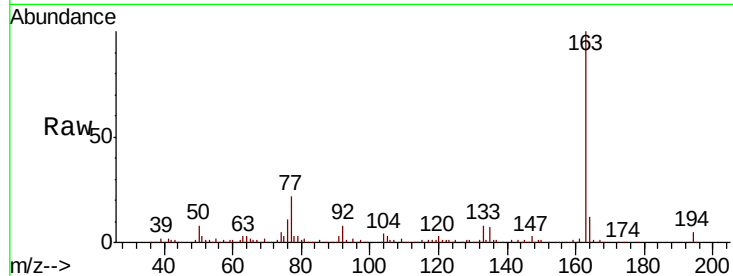
Tot Ion:163 Resp: 92606

Ion Ratio Lower Upper

163 100

194 5.0 4.4 6.6

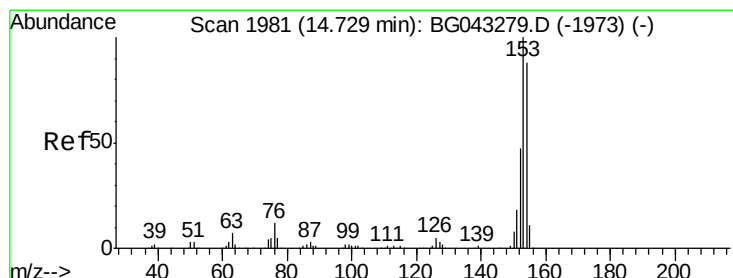
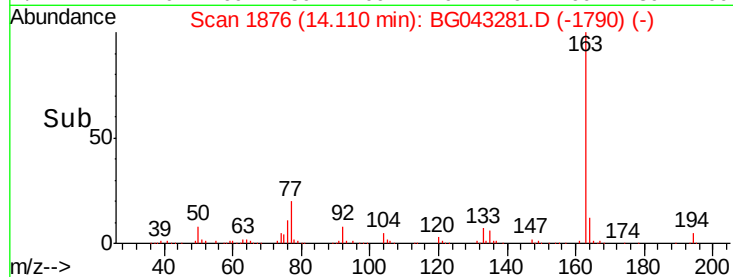
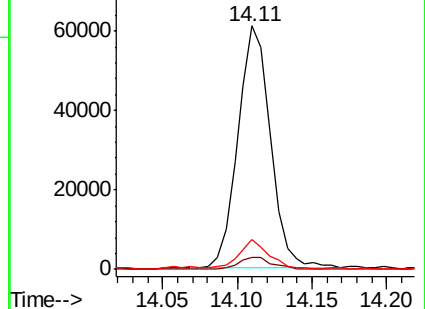
164 12.3 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 3.982 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

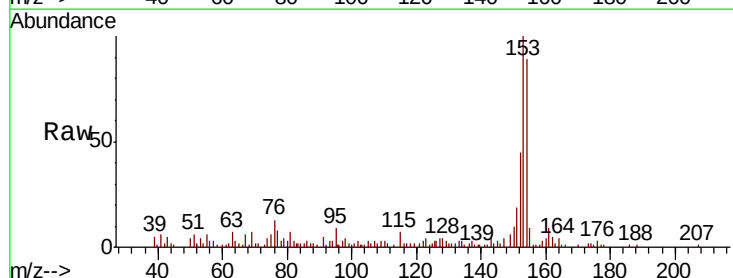
Tgt Ion:154 Resp: 29715

Ion Ratio Lower Upper

154 100

153 112.8 91.4 137.0

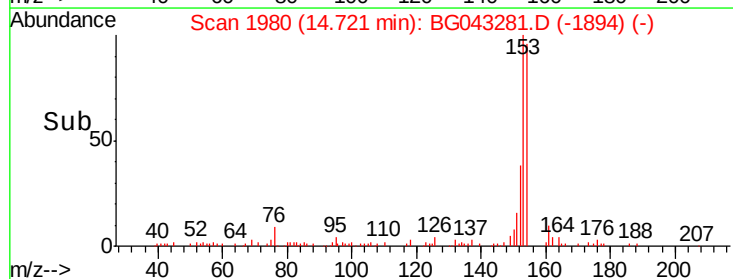
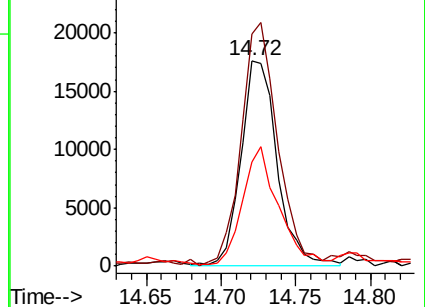
152 50.7 42.8 64.2

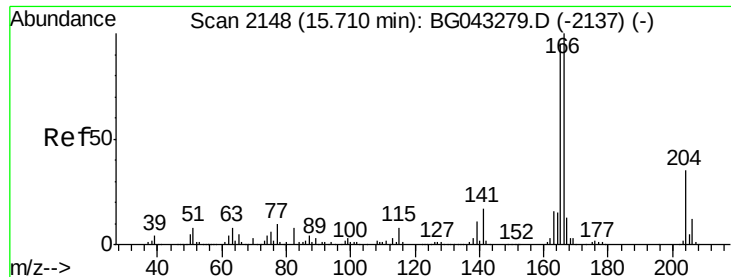


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

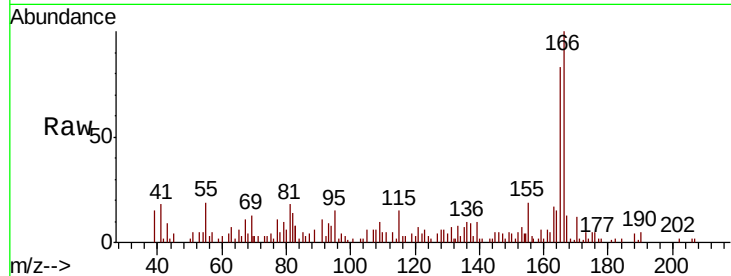




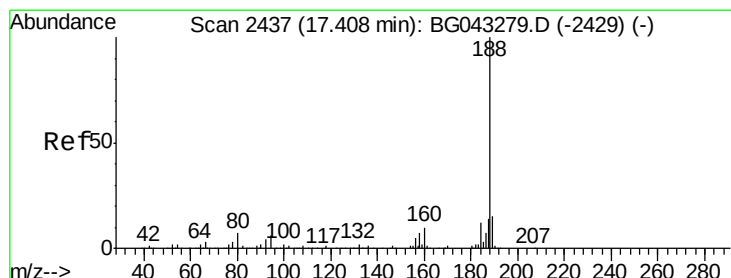
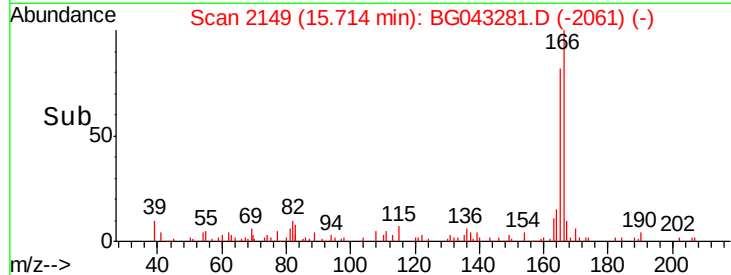
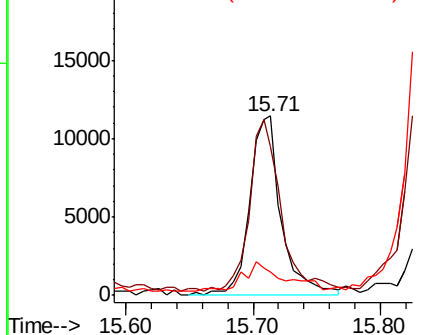
#58
 Fluorene
 Concen: 2.102 ng
 RT: 15.71 min Scan# 2149
 Delta R.T. -0.01 min
 Lab File: BG043281.D
 Acq: 18 Oct 2019 18:44

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Tot Ion:166 Resp: 19817
 Ion Ratio Lower Upper
 166 100
 165 83.5 77.1 115.7
 167 12.8 11.0 16.6

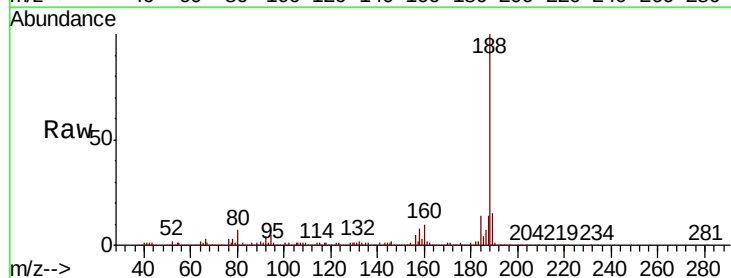


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

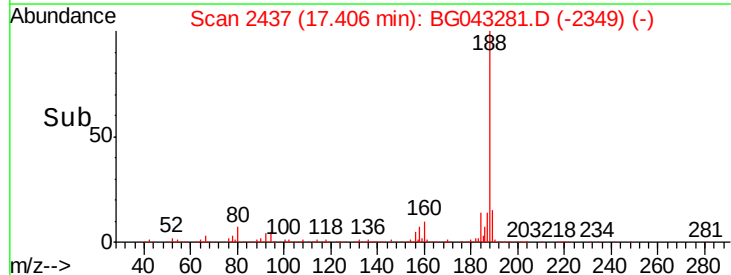
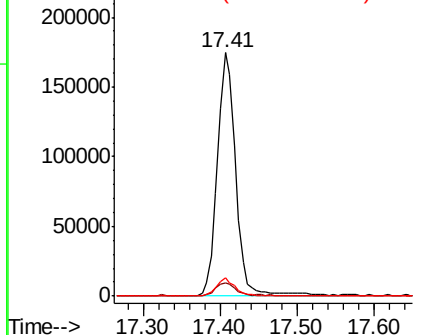


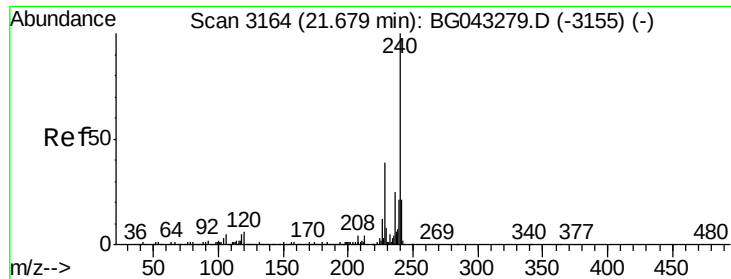
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG043281.D
 Acq: 18 Oct 2019 18:44

Tgt Ion:188 Resp: 286494
 Ion Ratio Lower Upper
 188 100
 94 5.2 5.7 8.5#
 80 7.4 6.5 9.7



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

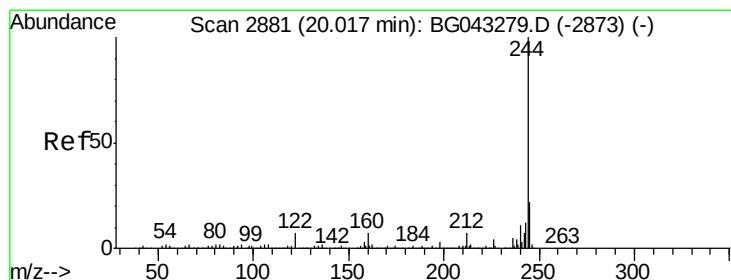
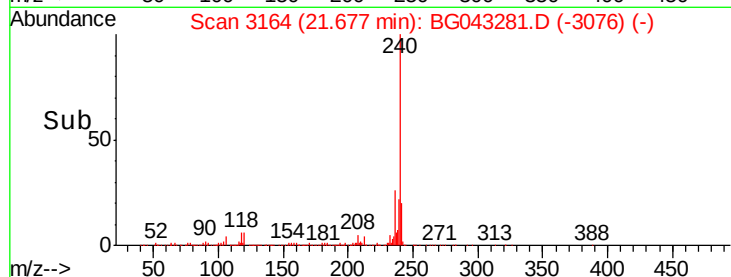
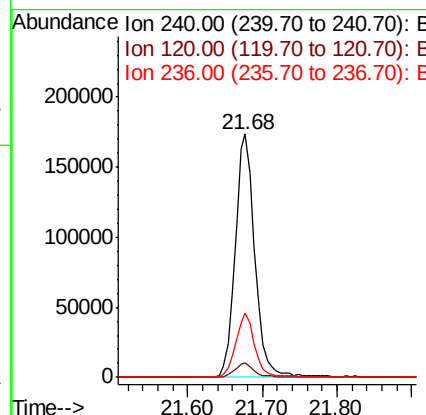
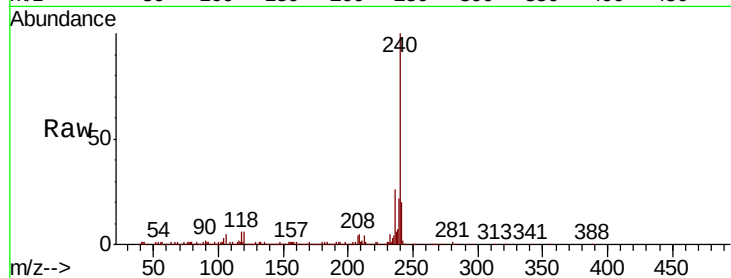




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

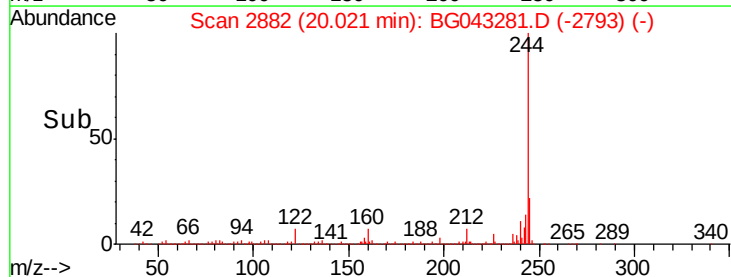
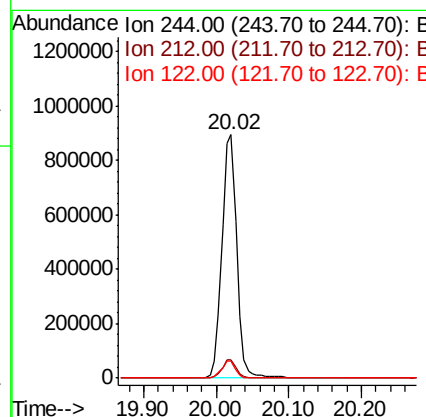
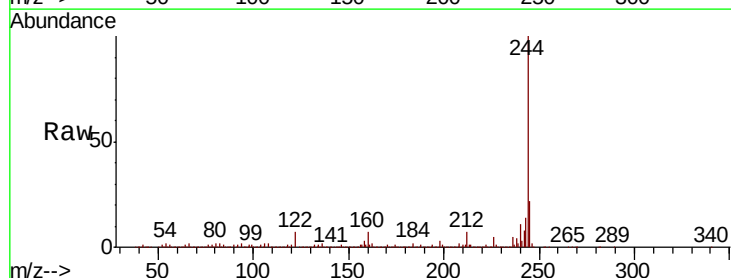
Instrument :
BNA_G
ClientSampleId :
MW-16

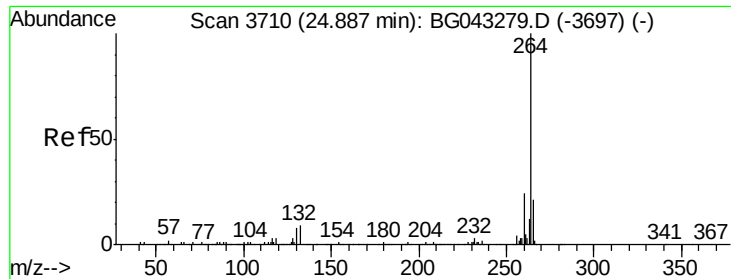
Tot Ion:240 Resp: 318277
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 26.2 21.4 32.0



#79
Terphenyl-d14
Concen: 85.629 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion:244 Resp: 1278993
Ion Ratio Lower Upper
244 100
212 7.4 7.4 11.0
122 7.0 7.0 10.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.2	17.7	26.5

