

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042474.D
 Acq On : 25 Aug 2019 12:36
 Operator : HP/JU
 Sample : K4498-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SIDEWALL-2

Quant Time: Aug 26 15:50:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

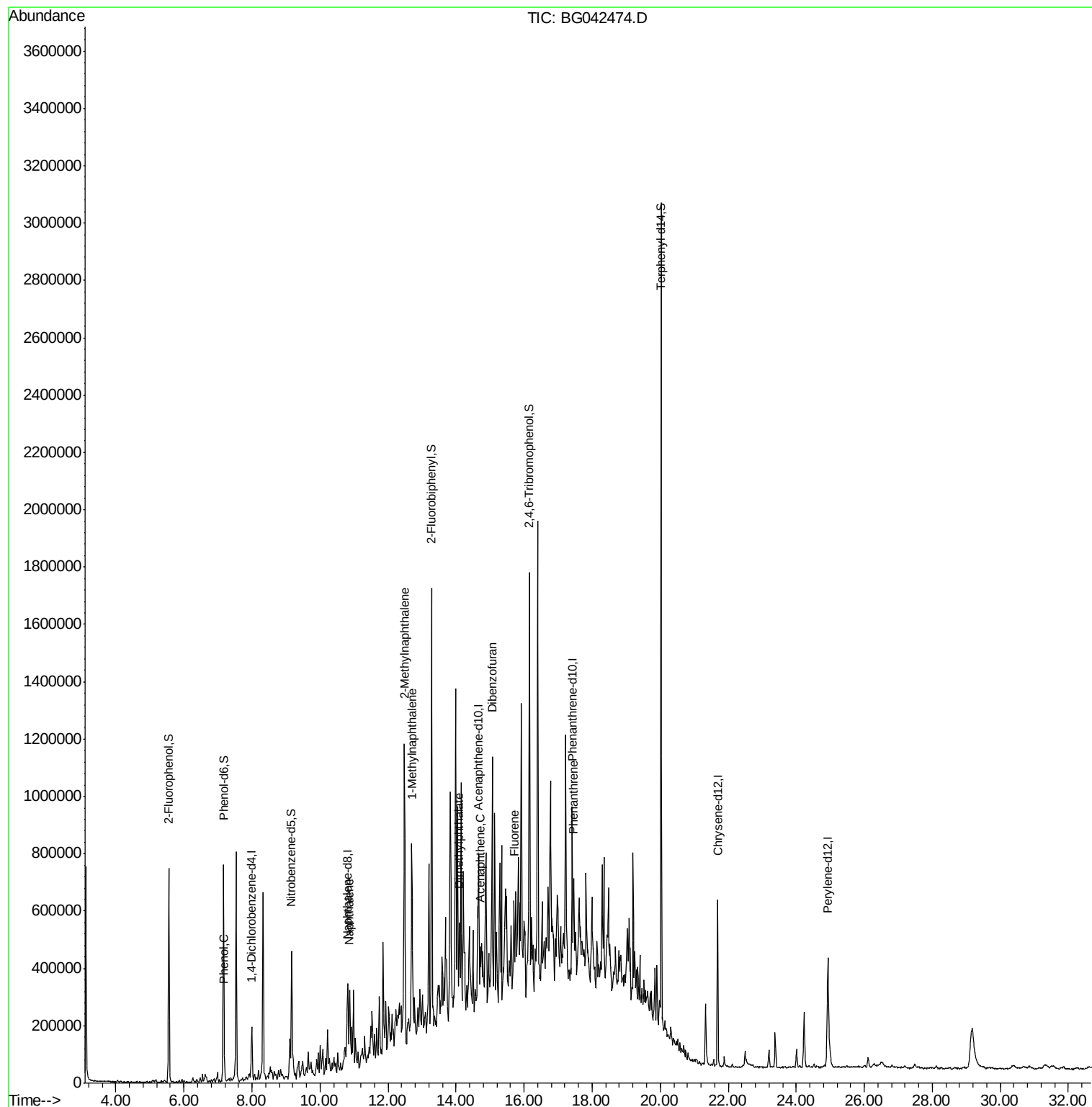
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	50606	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	195319	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	149568	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	336599	20.00	ng	0.00
76) Chrysene-d12	21.69	240	371284	20.00	ng	0.00
87) Perylene-d12	24.93	264	433091	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	371664	148.74	ng	0.00
7) Phenol-d6	7.17	99	508493	150.66	ng	0.00
23) Nitrobenzene-d5	9.16	82	287305	101.65	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	314586	147.98	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	835228	94.45	ng	0.00
79) Terphenyl-d14	20.03	244	1439576	83.82	ng	0.00
Target Compounds						
10) Phenol	7.19	94	10934	3.186	ng	82
31) Naphthalene	10.87	128	157744	17.395	ng	# 96
37) 2-Methylnaphthalene	12.48	142	541041	74.305	ng	99
38) 1-Methylnaphthalene	12.70	142	328815	47.542	ng	100
50) Dimethylphthalate	14.10	163	104714	9.703	ng	# 95
52) Acenaphthene	14.72	154	34552	4.537	ng	97
55) Dibenzofuran	15.06	168	38684m	3.069	ng	
58) Fluorene	15.71	166	71624	6.950	ng	# 94
71) Phenanthrene	17.45	178	202652	12.121	ng	# 95

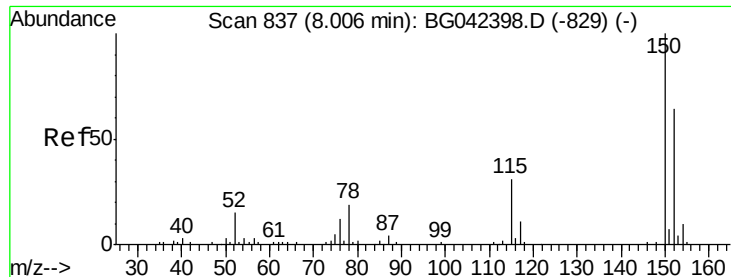
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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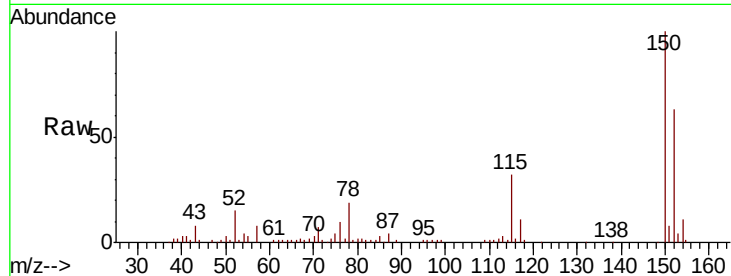


#1

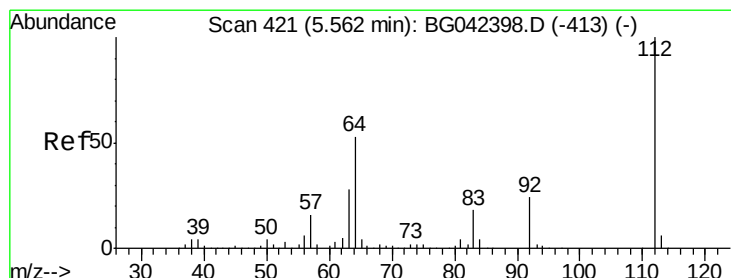
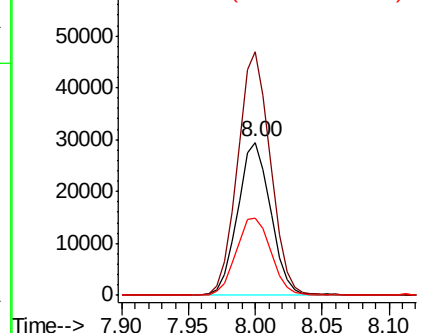
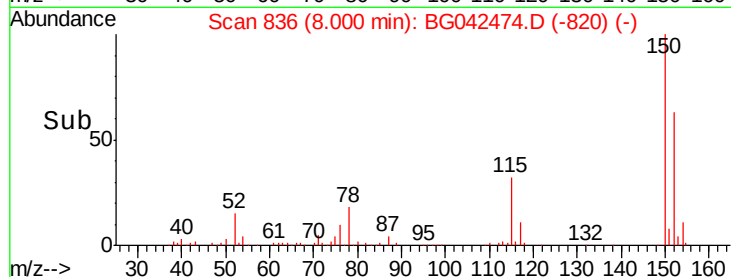
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Instrument :
BNA_G
ClientSampleId :
SIDEWALL-2

Tot Ion:152 Resp: 50606
Ion Ratio Lower Upper
152 100
150 158.9 125.4 188.0
115 50.7 38.5 57.7



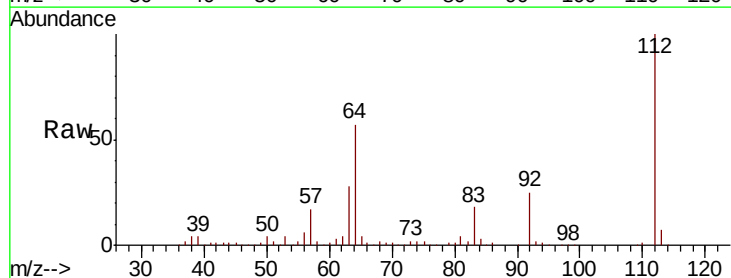
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



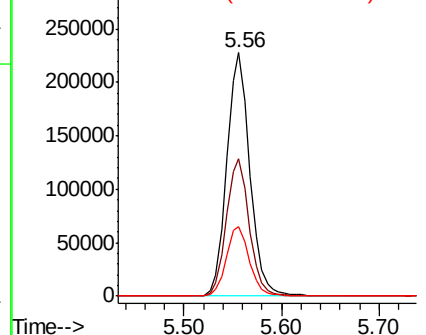
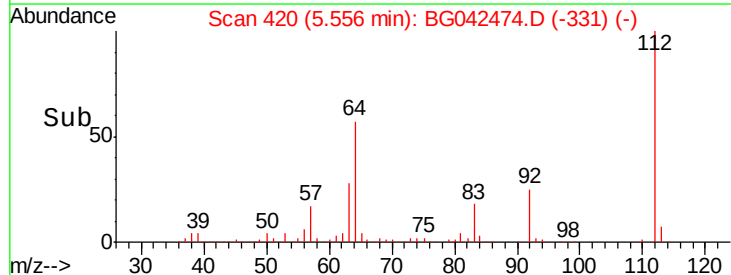
#5

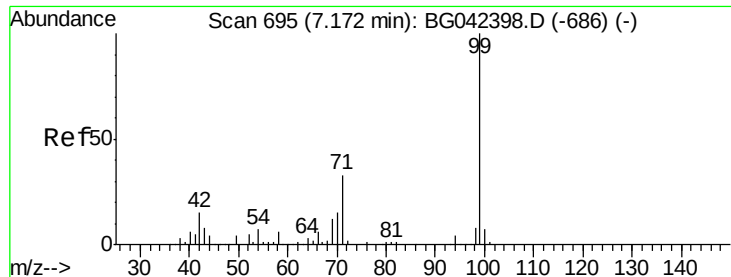
2-Fluorophenol
Concen: 148.743 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion:112 Resp: 371664
Ion Ratio Lower Upper
112 100
64 56.6 42.8 64.2
63 28.3 22.7 34.1



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: 150.656 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

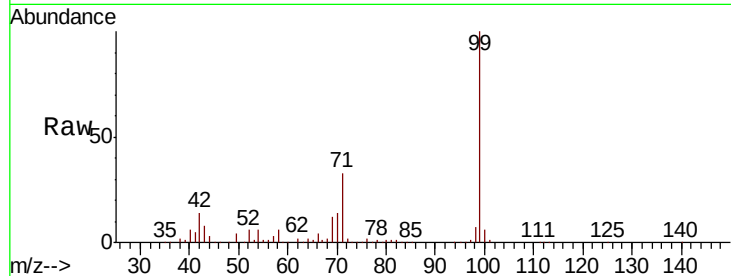
Tot Ion: 99 Resp: 508493

Ion Ratio Lower Upper

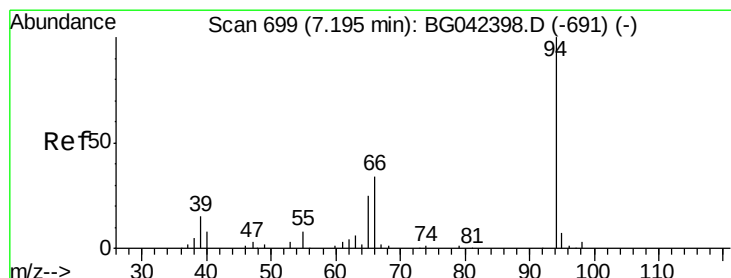
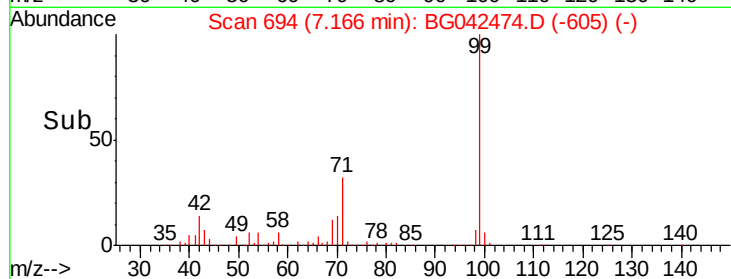
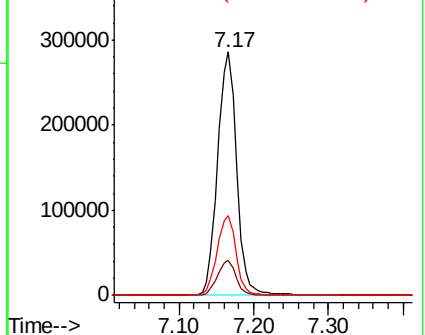
99 100

42 14.2 12.0 18.0

71 32.6 26.3 39.5



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: 3.186 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

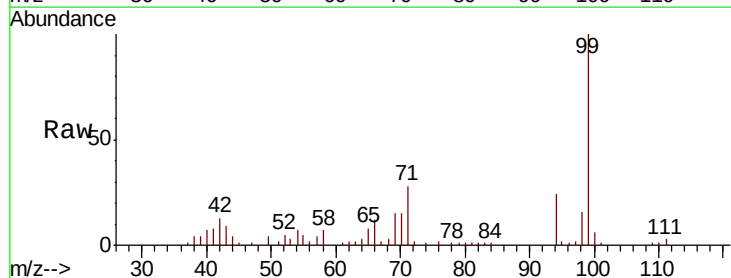
Tgt Ion: 94 Resp: 10934

Ion Ratio Lower Upper

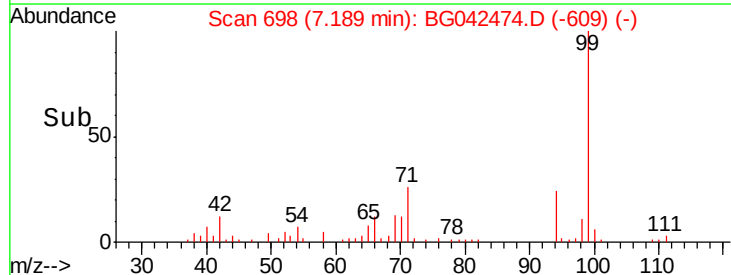
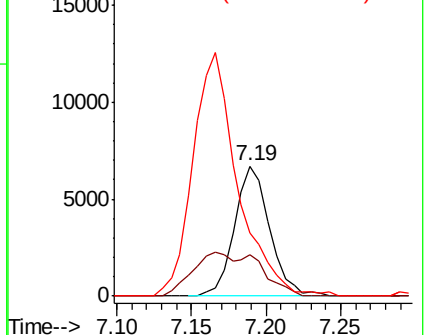
94 100

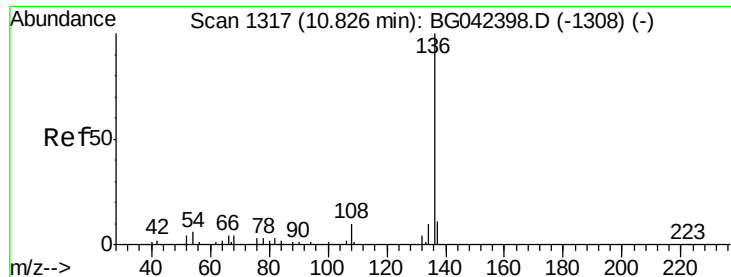
65 32.2 5.6 45.6

66 48.7 16.0 56.0



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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

Tot Ion:136 Resp: 195319

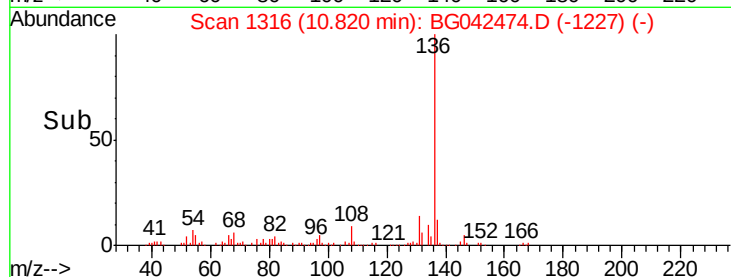
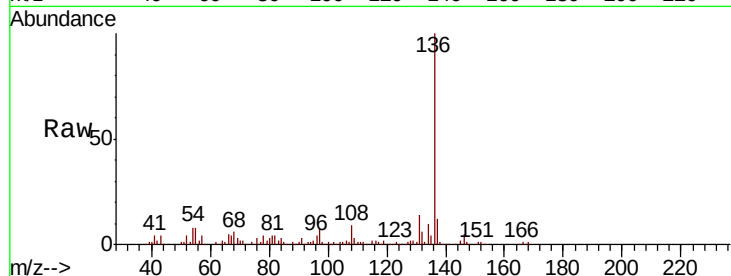
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 7.5 4.9 7.3#

68 6.2 3.6 5.4#

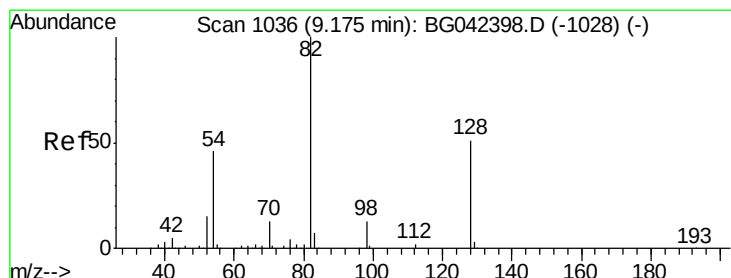
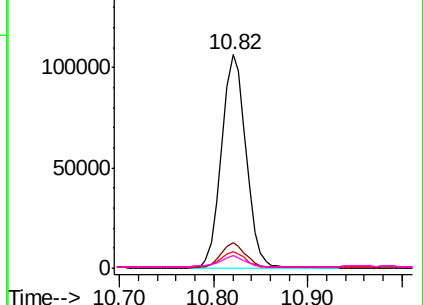


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 101.649 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

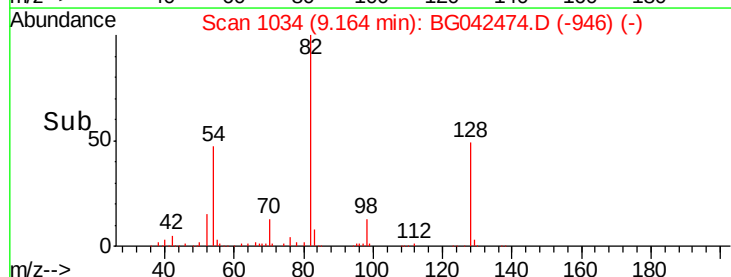
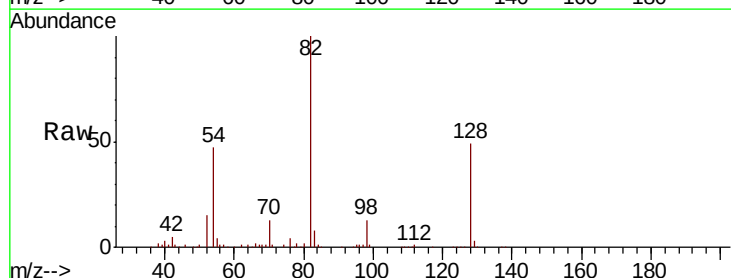
Tgt Ion: 82 Resp: 287305

Ion Ratio Lower Upper

82 100

128 48.7 40.7 61.1

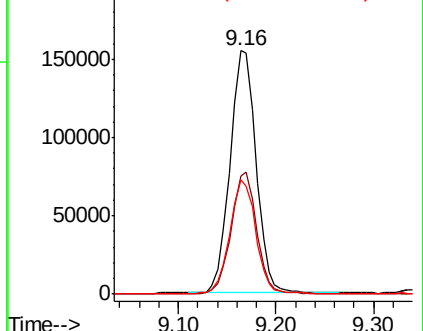
54 46.8 36.3 54.5

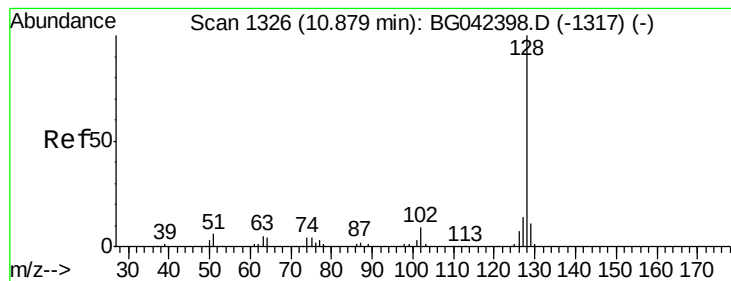


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#31

Naphthalene

Concen: 17.395 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

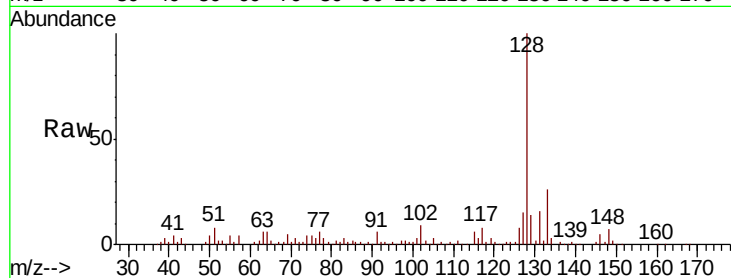
Tot Ion:128 Resp: 157744

Ion Ratio Lower Upper

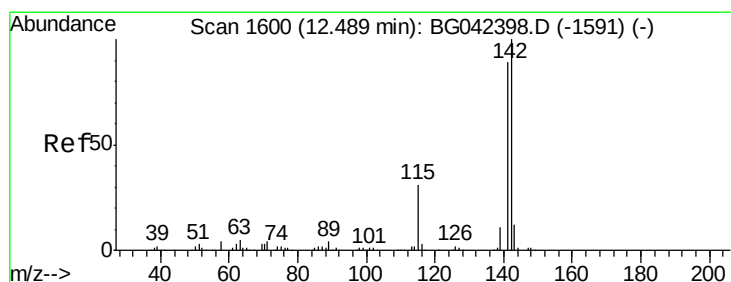
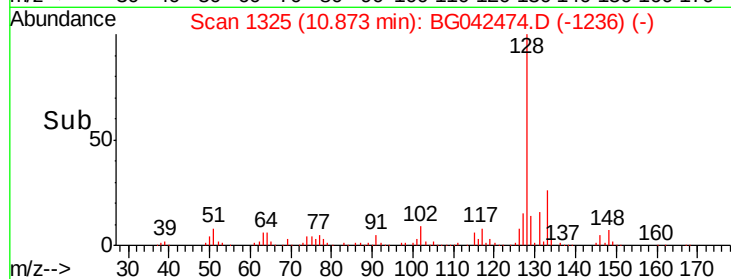
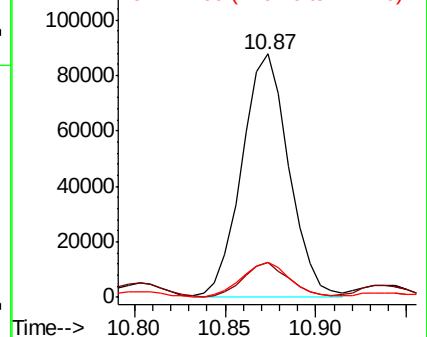
128 100

129 14.3 8.8 13.2#

127 14.6 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 74.305 ng

RT: 12.48 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

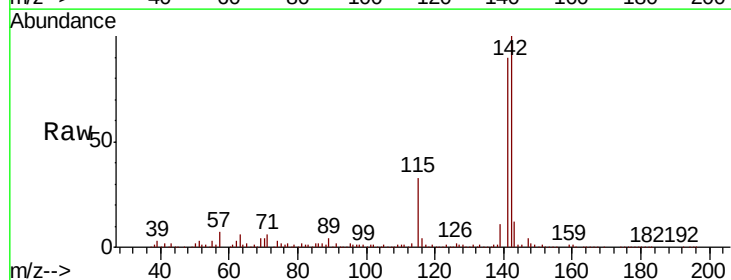
Tgt Ion:142 Resp: 541041

Ion Ratio Lower Upper

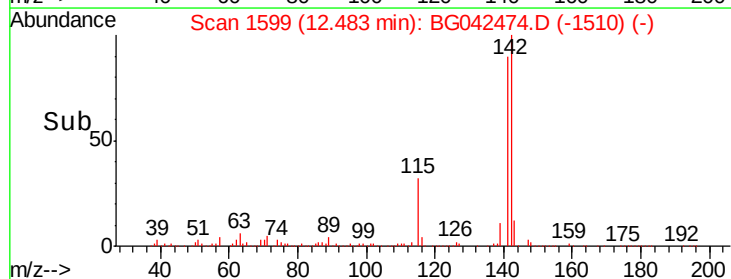
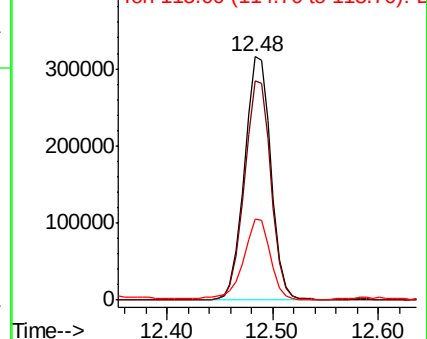
142 100

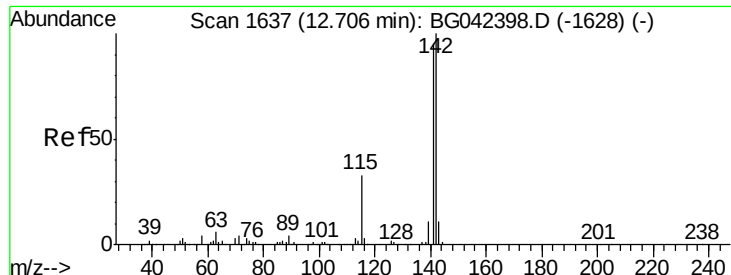
141 90.1 71.4 107.2

115 33.1 25.2 37.8



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

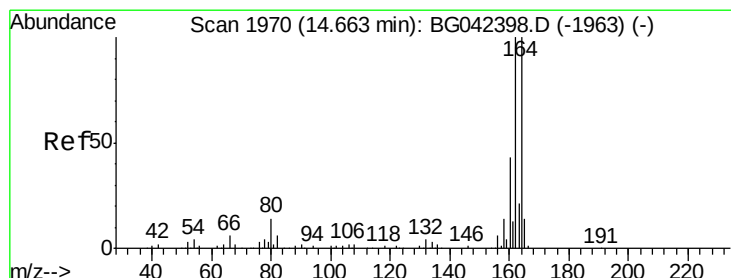
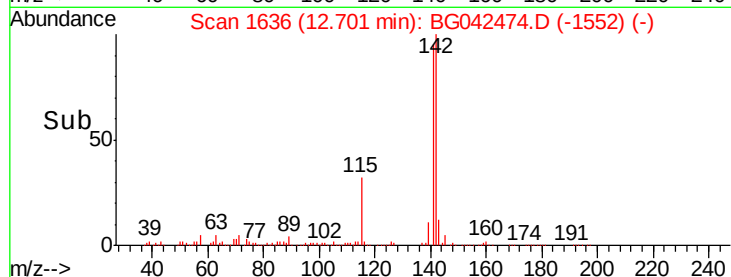
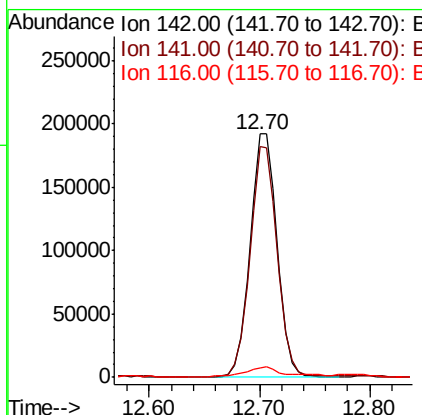
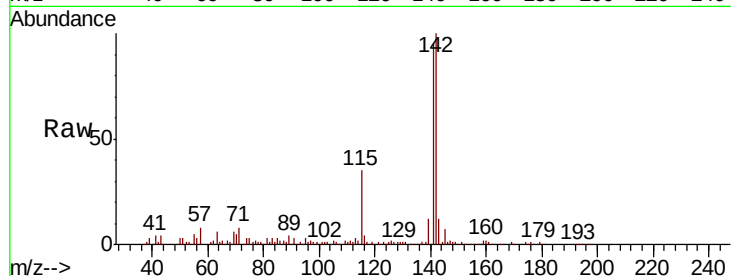




#38
1-Methylnaphthalene
Concen: 47.542 ng
RT: 12.70 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

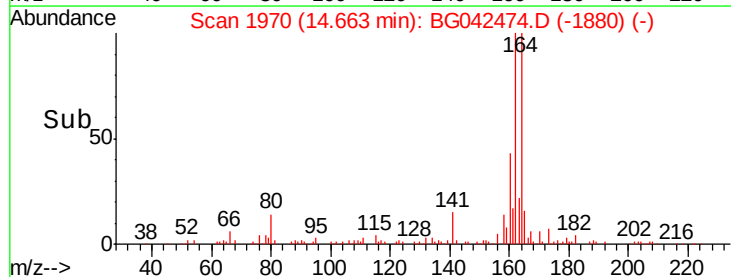
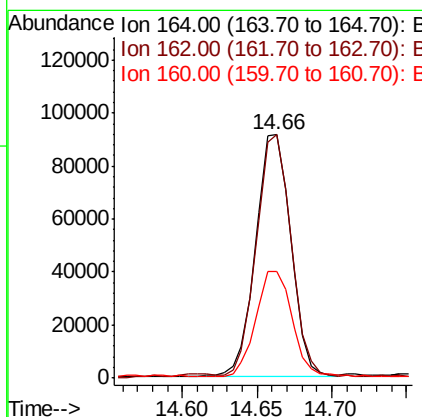
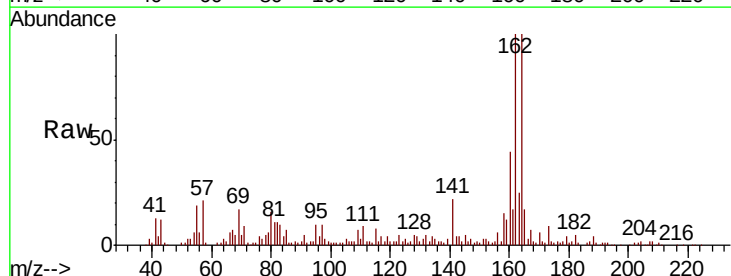
Instrument :
BNA_G
ClientSampleId :
SIDEWALL-2

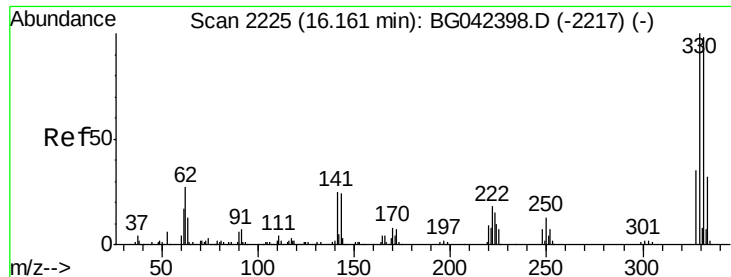
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.0	76.2	114.2
116	3.9	2.8	4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG042474.D
Acq: 25 Aug 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.9	119.9
160	44.0	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 147.980 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

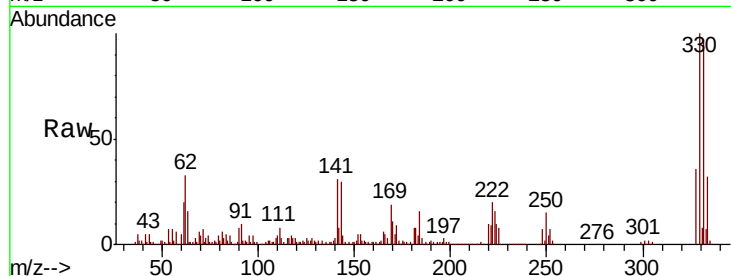
Tot Ion:330 Resp: 314586

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.0

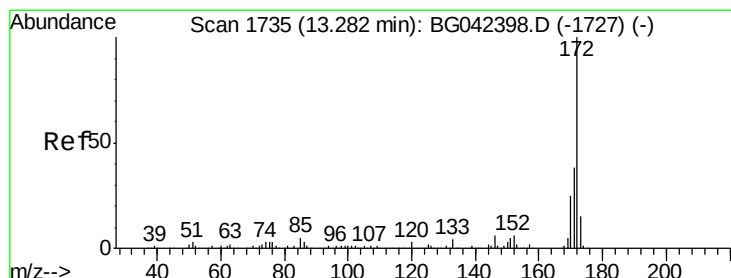
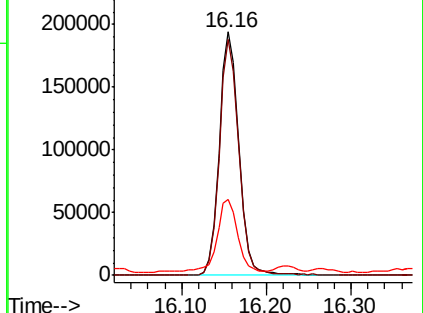
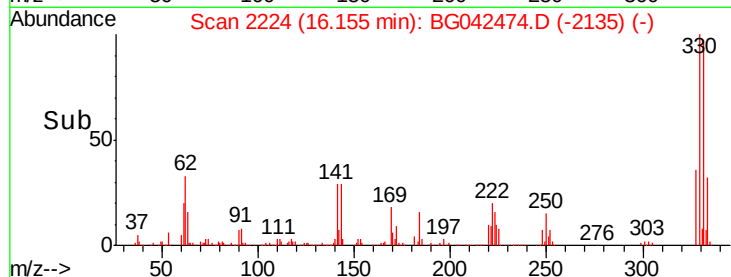
141 30.2 21.4 32.0



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: 94.446 ng

RT: 13.28 min Scan# 1735

Delta R.T. 0.00 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

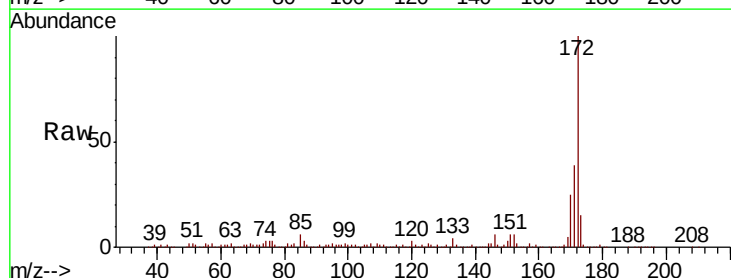
Tgt Ion:172 Resp: 835228

Ion Ratio Lower Upper

172 100

171 38.6 30.5 45.7

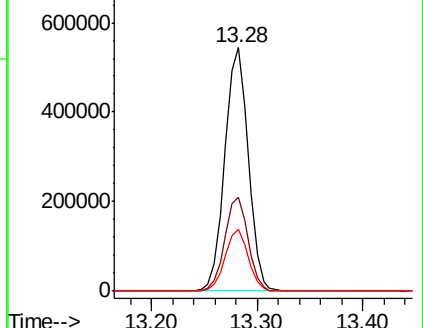
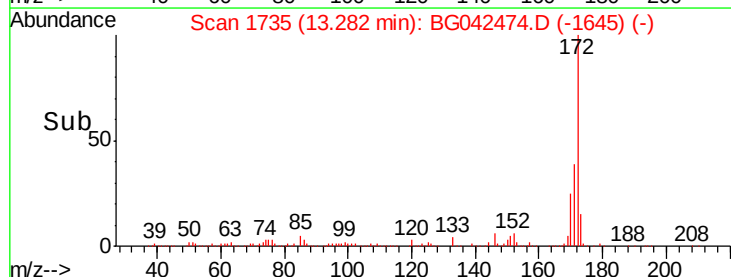
170 25.2 20.2 30.2

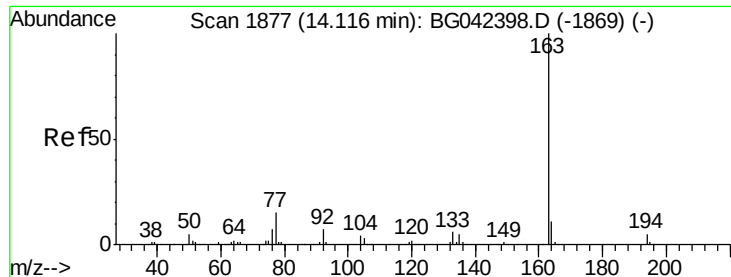


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.703 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

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SIDEWALL-2

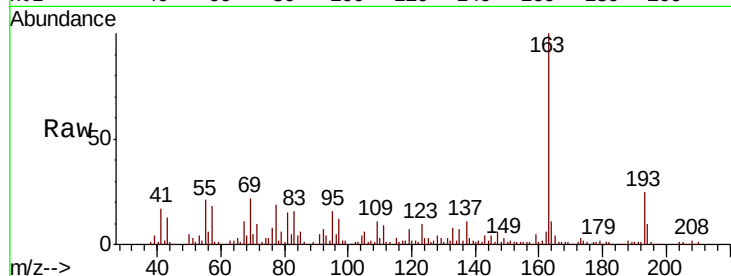
Tot Ion:163 Resp: 104714

Ion Ratio Lower Upper

163 100

194 10.0 4.2 6.2#

164 11.2 8.8 13.2

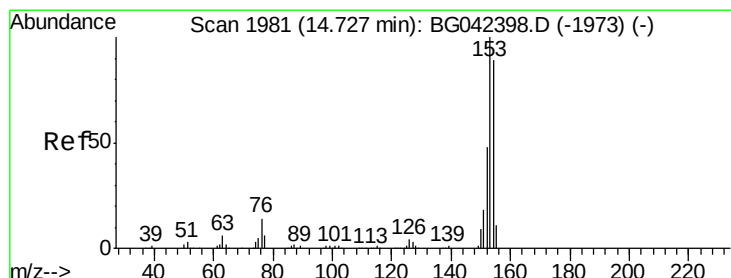
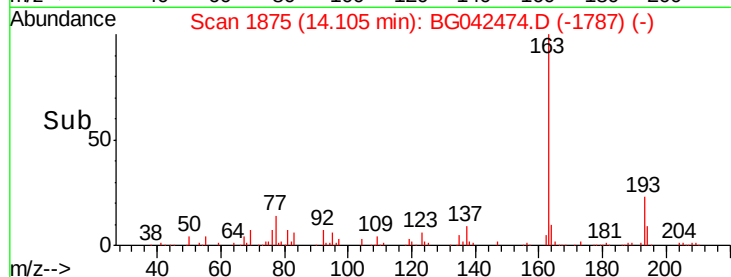
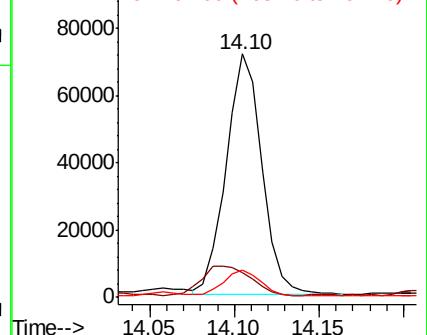


Abundance

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: 4.537 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

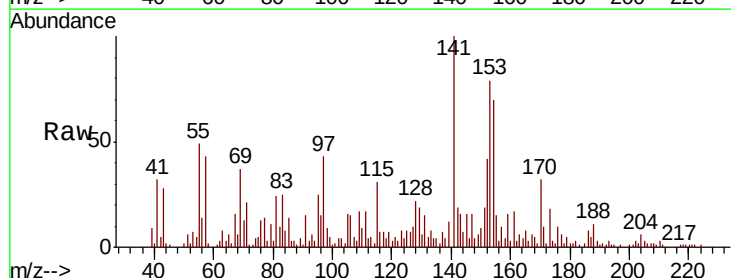
Tgt Ion:154 Resp: 34552

Ion Ratio Lower Upper

154 100

153 111.5 90.2 135.4

152 59.9 43.2 64.8

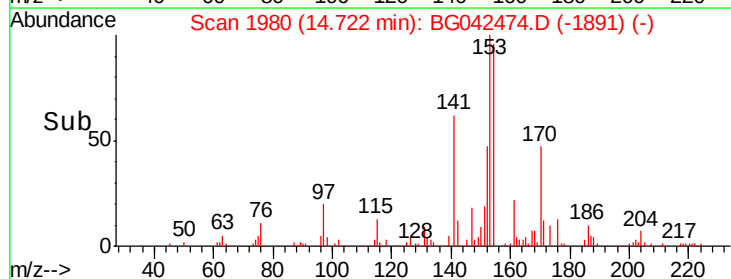
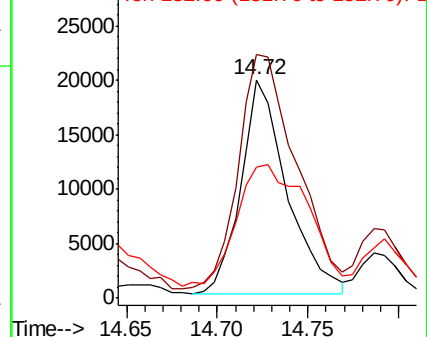


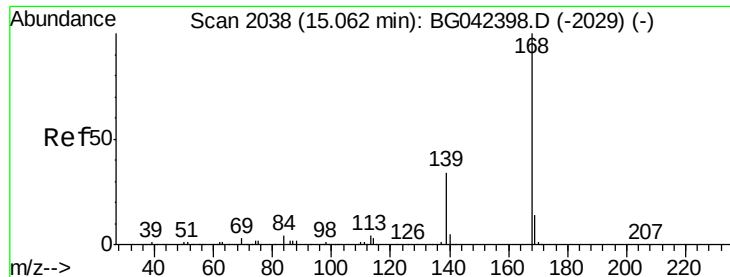
Abundance

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

Dibenzenofuran

Concen: 3.069 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

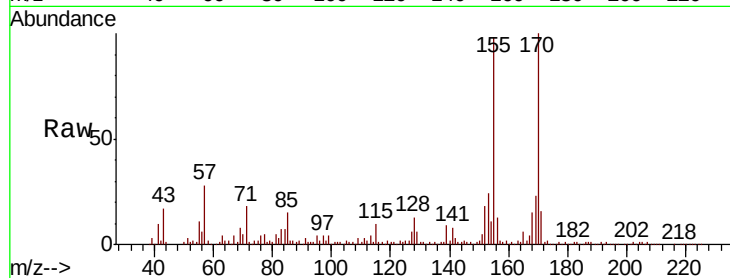
Tot Ion:168 Resp: 38684

Ion Ratio Lower Upper

168 100

139 64.2 27.2 40.8#

169 157.9 11.5 17.3#

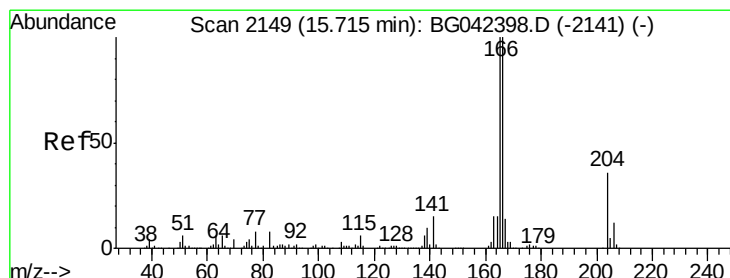
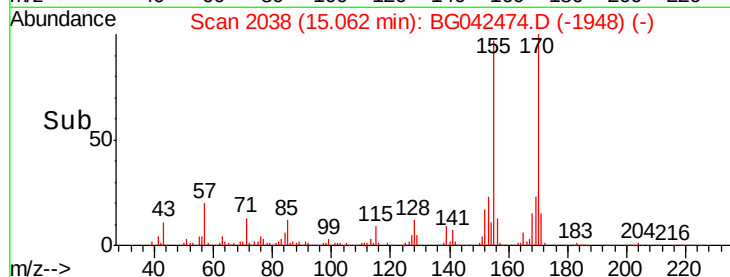
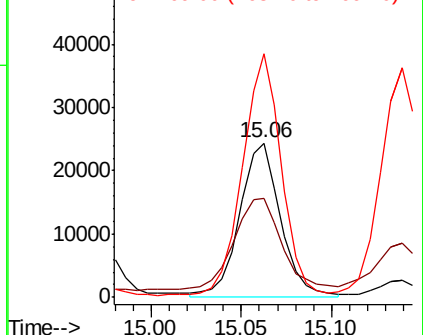


Abundance

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: 6.950 ng

RT: 15.71 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

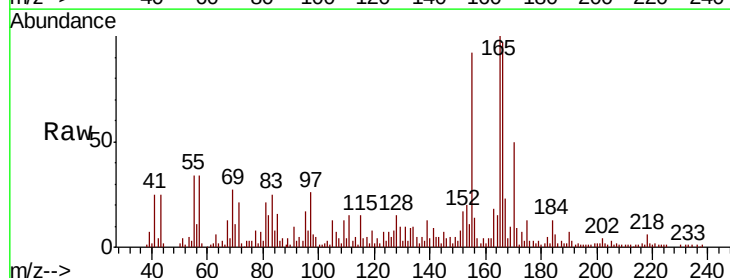
Tgt Ion:166 Resp: 71624

Ion Ratio Lower Upper

166 100

165 103.1 79.7 119.5

167 24.0 10.9 16.3#

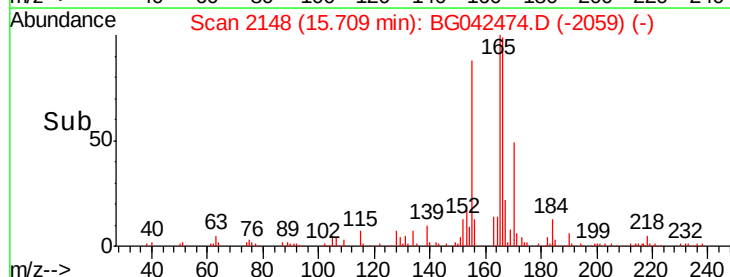
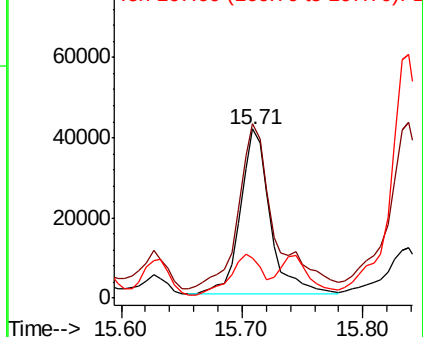


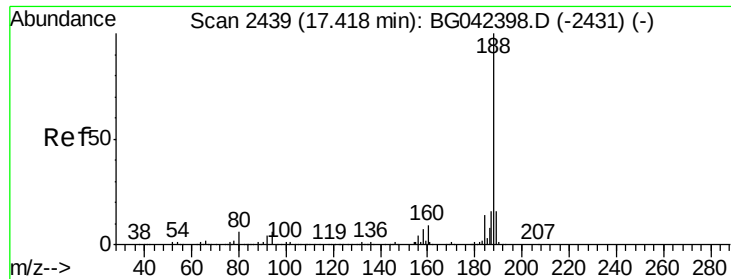
Abundance

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# 2438

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampleId :

SIDEWALL-2

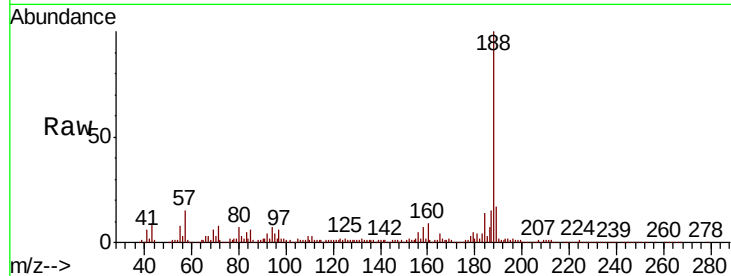
Tot Ion:188 Resp: 336599

Ion Ratio Lower Upper

188 100

94 7.4 4.5 6.7#

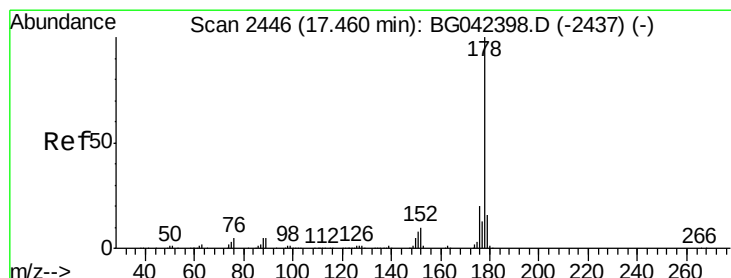
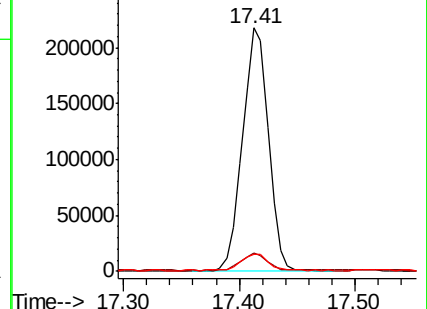
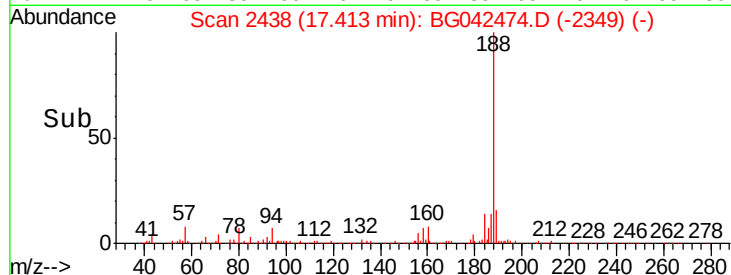
80 7.2 4.9 7.3



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: 12.121 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

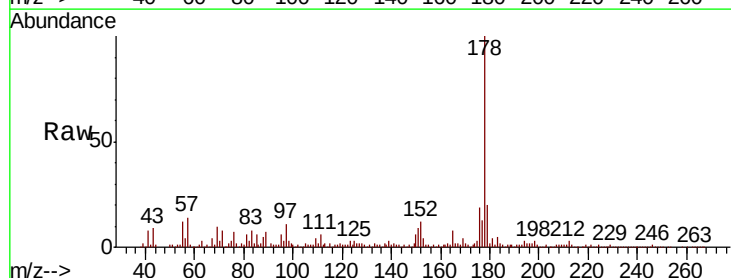
Tgt Ion:178 Resp: 202652

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

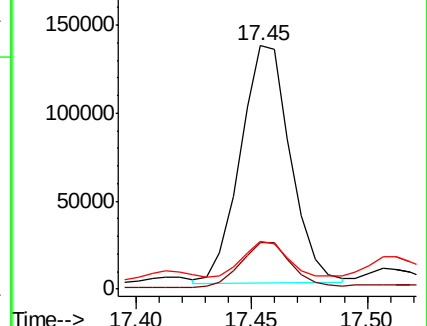
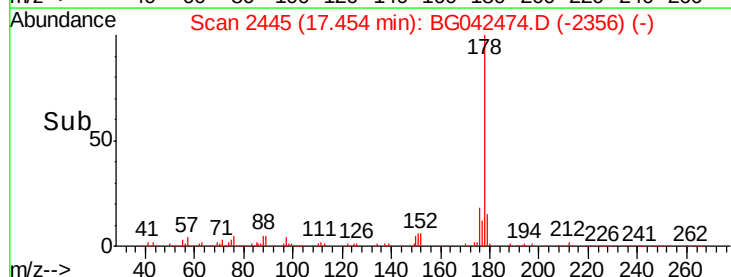
179 19.6 12.7 19.1#

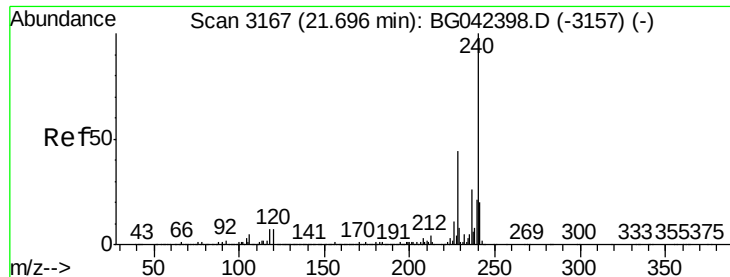


Abundance Ion 178.00 (177.70 to 178.70): E

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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

Instrument :

BNA_G

ClientSampled :

SIDEWALL-2

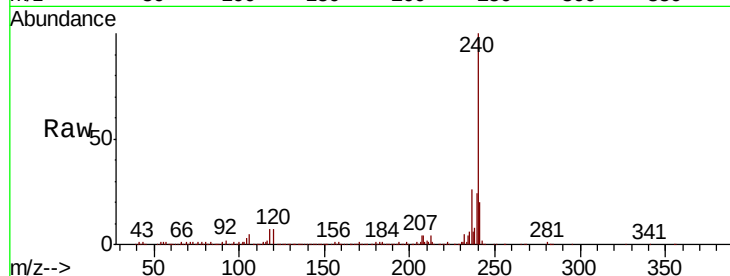
Tot Ion:240 Resp: 371284

Ion Ratio Lower Upper

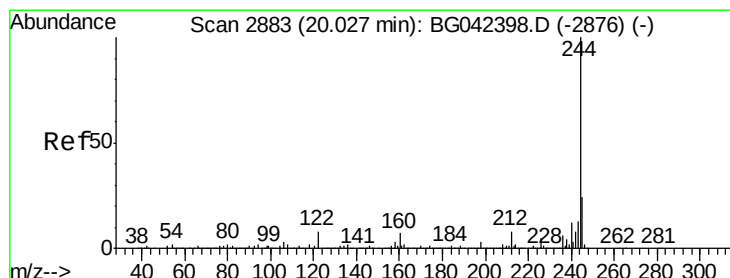
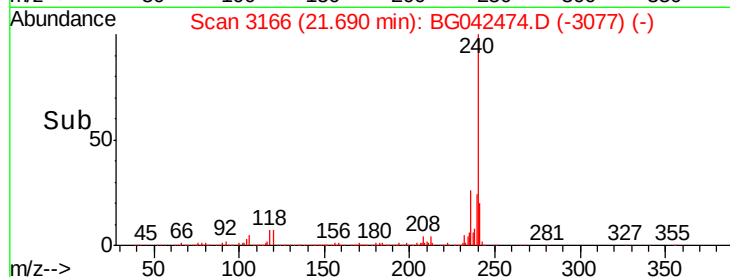
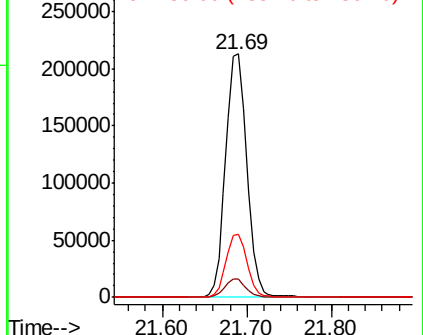
240 100

120 7.3 5.7 8.5

236 25.9 21.0 31.4



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: 83.824 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042474.D

Acq: 25 Aug 2019 12:36

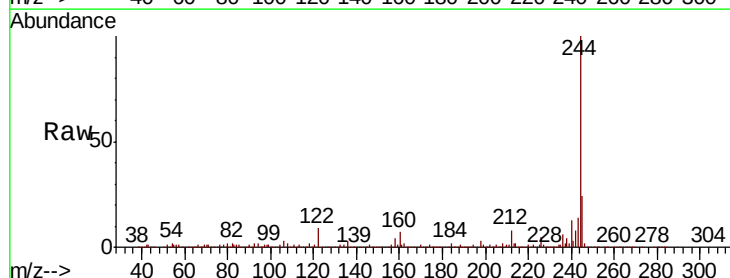
Tgt Ion:244 Resp: 1439576

Ion Ratio Lower Upper

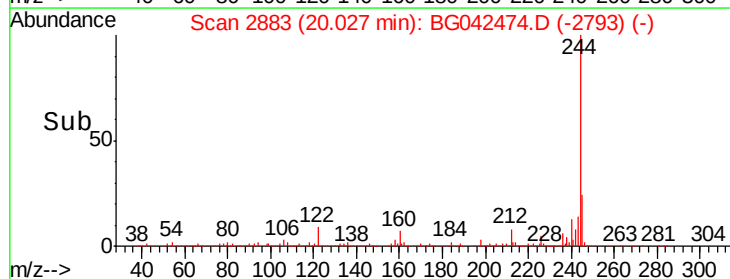
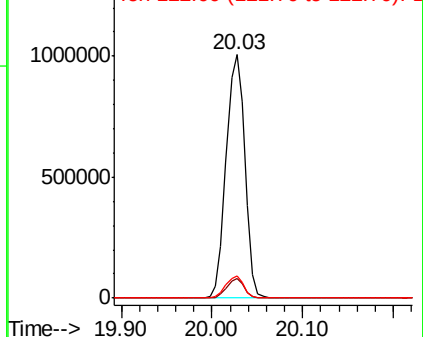
244 100

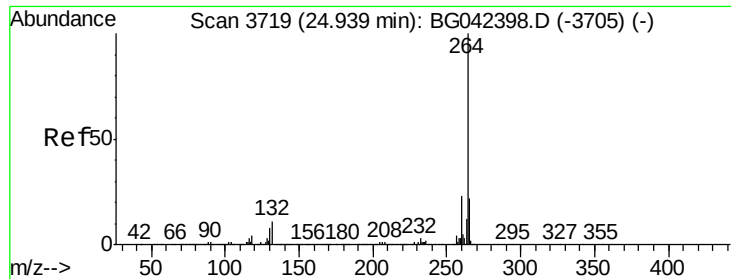
212 8.0 6.0 9.0

122 9.0 6.7 10.1



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

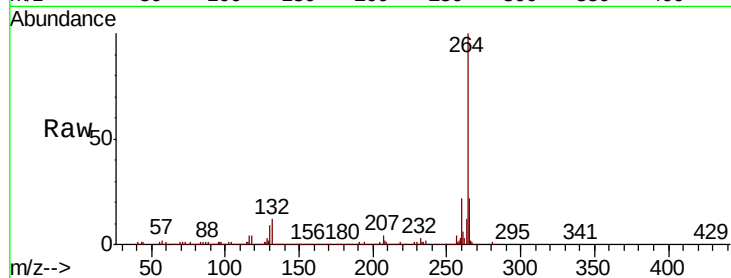




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042474.D
 Acq: 25 Aug 2019 12:36

Instrument :
 BNA_G
 ClientSampleId :
 SIDEWALL-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	22.0	17.6	26.4



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

