

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120318\
 Data File : BG038307.D
 Acq On : 3 Dec 2018 19:41
 Operator : JU/SJ
 Sample : J6060-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20180945-COMPOSITE-4

Quant Time: Dec 04 05:03:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	23927	20.00	ng	-0.02
21) Naphthalene-d8	10.90	136	103638	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	76193	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	195351	20.00	ng	0.00
76) Chrysene-d12	21.75	240	209395	20.00	ng	0.00
87) Perylene-d12	25.06	264	244967	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	174123	125.65	ng	-0.02
7) Phenol-d6	7.22	99	252376	127.58	ng	0.00
23) Nitrobenzene-d5	9.25	82	156680	80.93	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	110496	127.16	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	345568	66.07	ng	-0.02
79) Terphenyl-d14	20.06	244	634808	71.33	ng	0.00

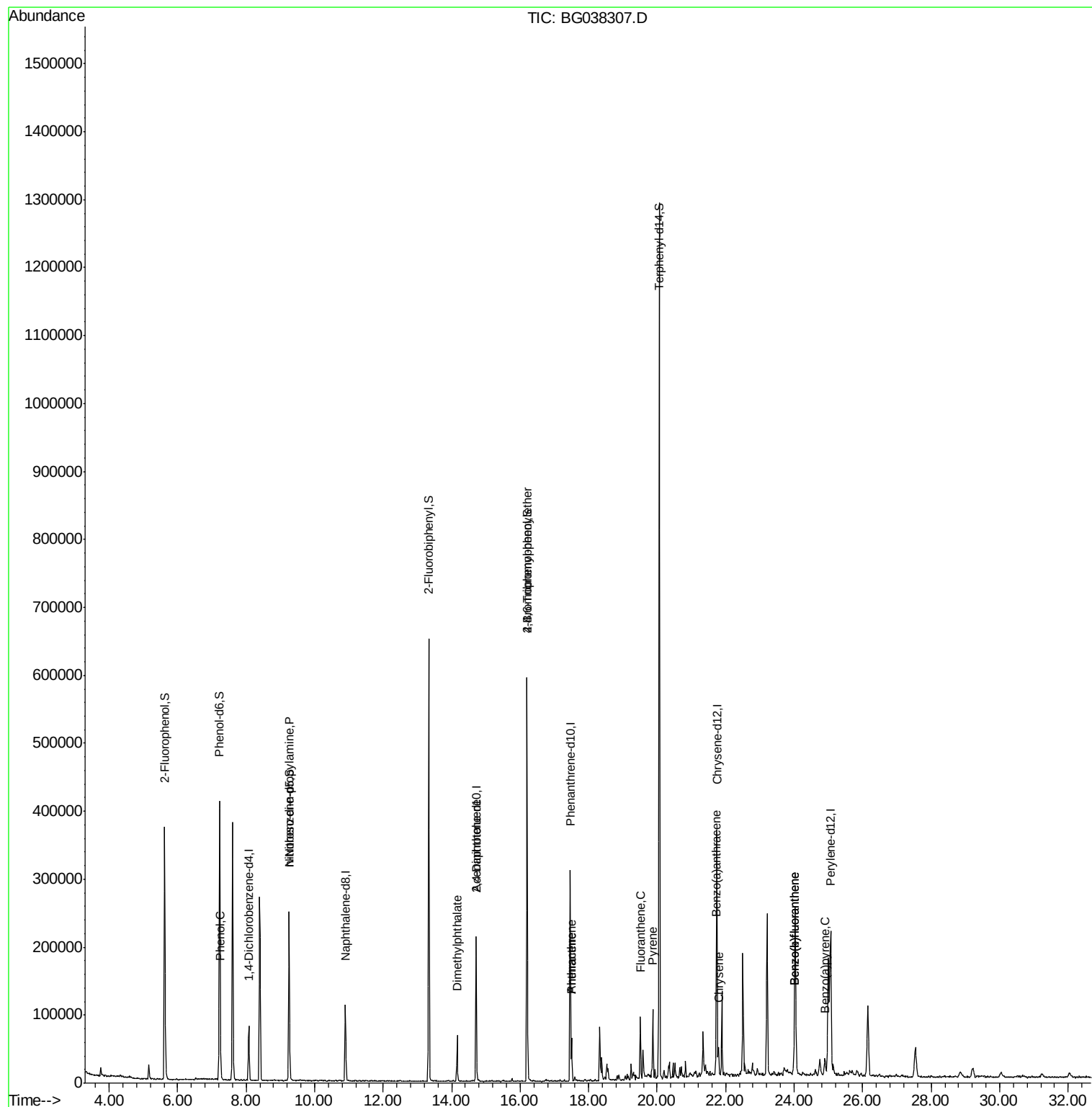
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.25	94	13178	6.289	ng	75
19) n-Nitroso-di-n-propylamine	9.25	70	20278	14.167	ng	# 76
50) Dimethylphthalate	14.16	163	51814	8.578	ng	99
57) 2,4-Dinitrotoluene	14.71	165	10141	5.452	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7933	3.700	ng	# 1
71) Phenanthrene	17.50	178	41867	4.186	ng	99
72) Anthracene	17.50	178	41867	4.247	ng	99
75) Fluoranthene	19.51	202	59671	5.229	ng	98
78) Pyrene	19.87	202	66537	4.860	ng	97
81) Benzo(a)anthracene	21.72	228	27411	2.166	ng	96
83) Chrysene	21.79	228	28241	2.333	ng	95
88) Benzo(b)fluoranthene	24.00	252	32446	2.407	ng	# 94
89) Benzo(k)fluoranthene	24.00	252	32446	2.439	ng	# 92
90) Benzo(a)pyrene	24.89	252	27573	2.140	ng	# 95

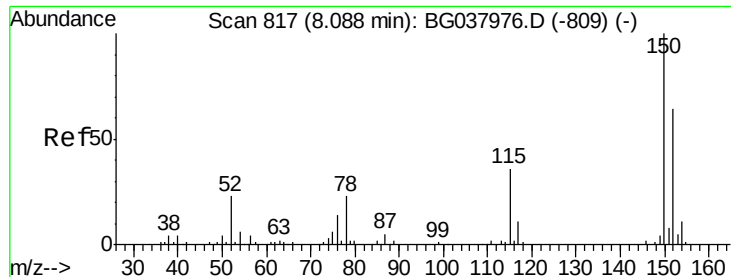
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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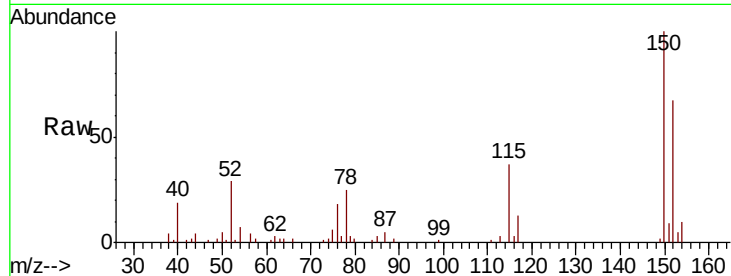


#1

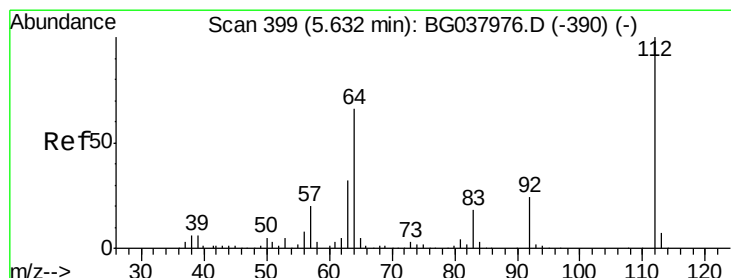
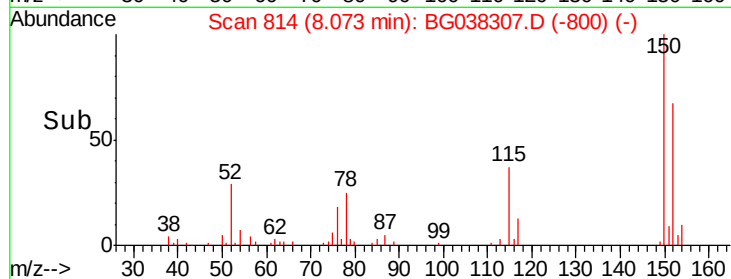
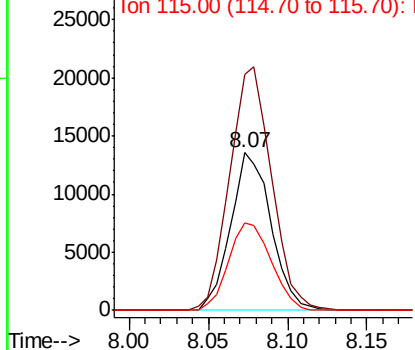
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.02 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Instrument :
BNA_G
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion:152 Resp: 23927
Ion Ratio Lower Upper
152 100
150 149.4 126.0 189.0
115 55.4 45.5 68.3



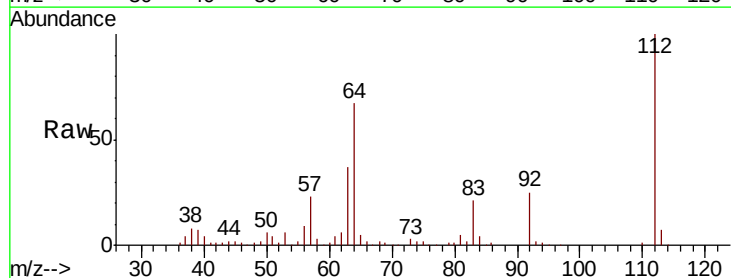
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



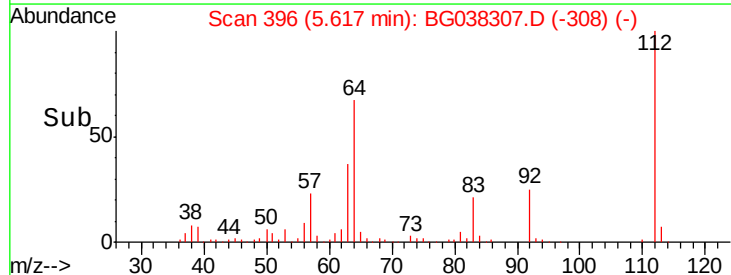
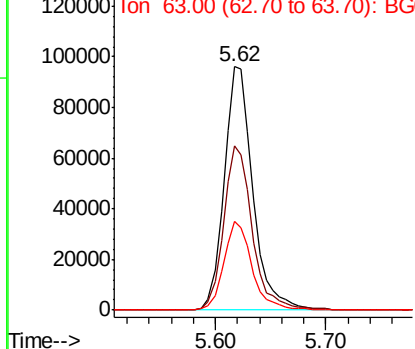
#5

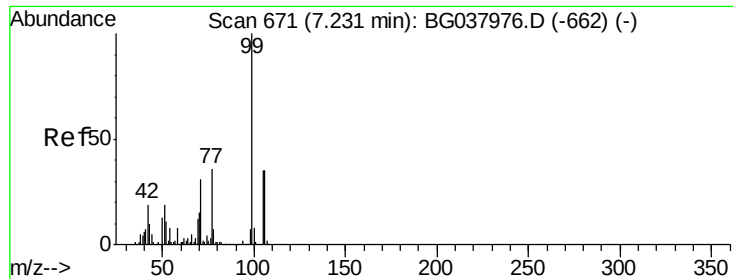
2-Fluorophenol
Concen: 125.647 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.02 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Tgt Ion:112 Resp: 174123
Ion Ratio Lower Upper
112 100
64 67.4 53.1 79.7
63 36.6 27.3 40.9



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: 127.581 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

20180945-COMPOSITE-4

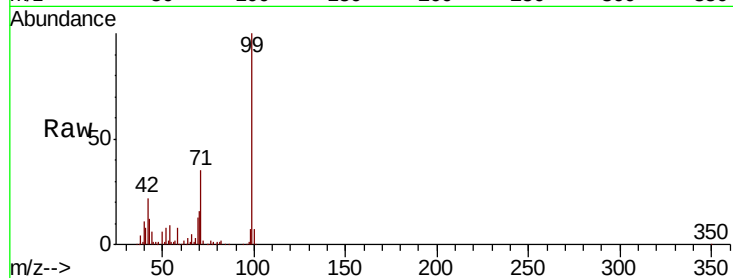
Tgt Ion: 99 Resp: 252376

Ion Ratio Lower Upper

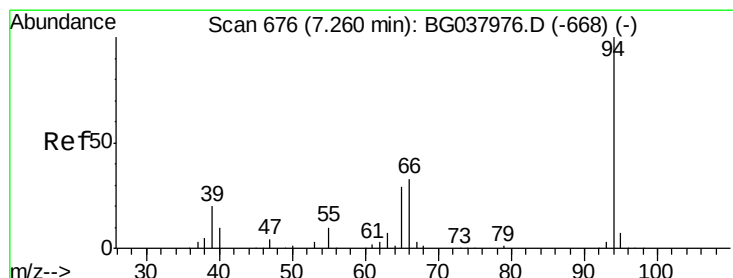
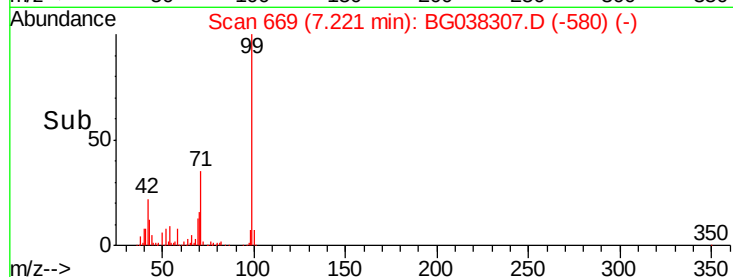
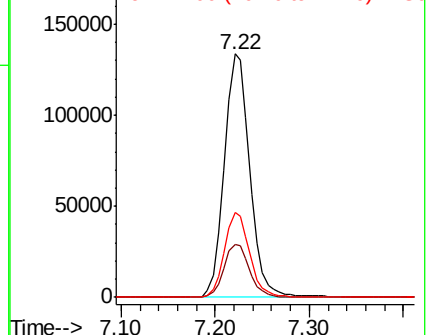
99 100

42 21.5 15.0 22.4

71 35.0 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: 6.289 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

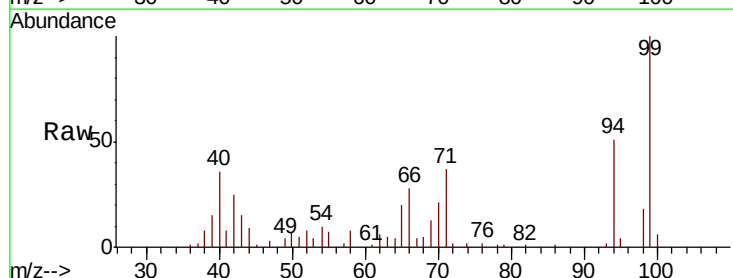
Tgt Ion: 94 Resp: 13178

Ion Ratio Lower Upper

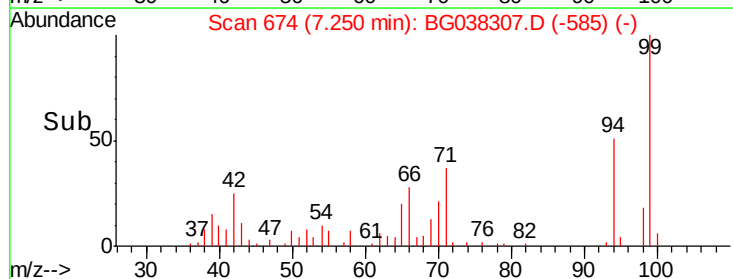
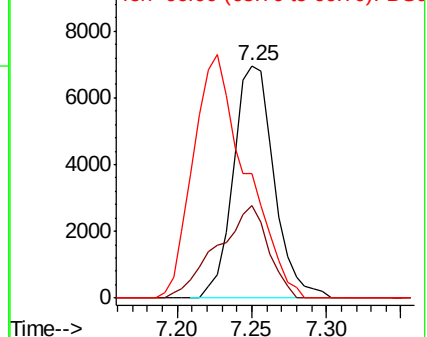
94 100

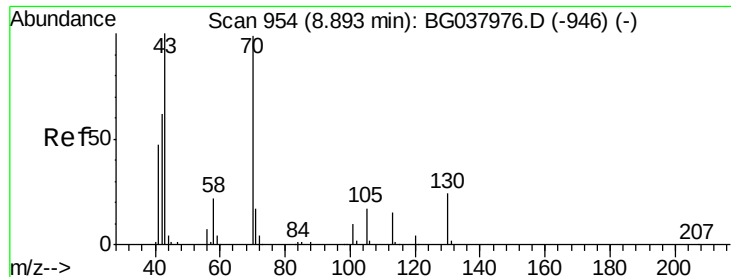
65 39.8 9.7 49.7

66 53.8 15.9 55.9



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

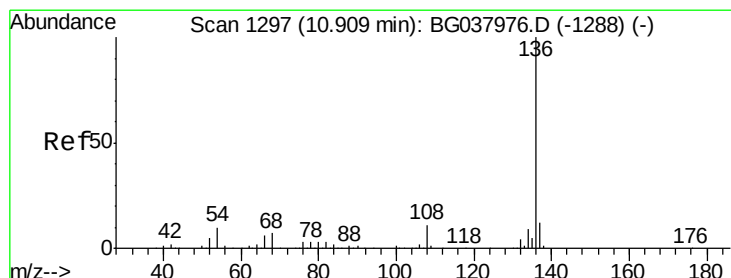
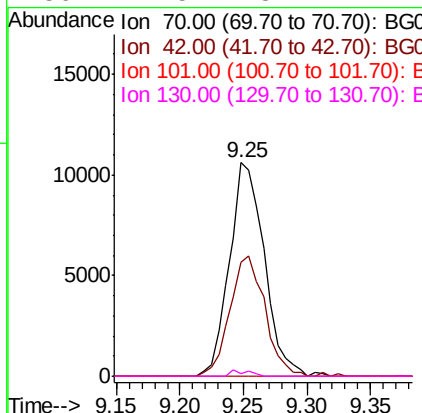
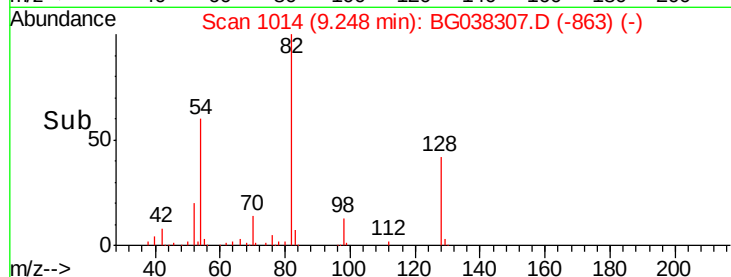
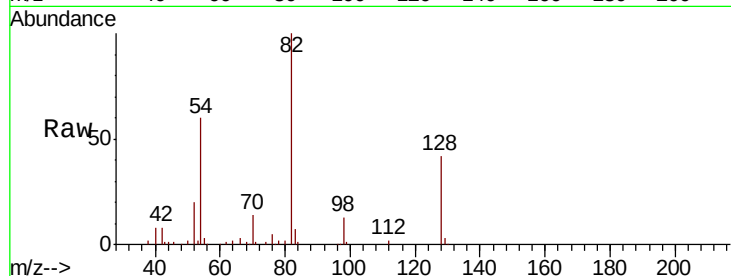




#19
n-Nitroso-di-n-propylamine
Concen: 14.167 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.35 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

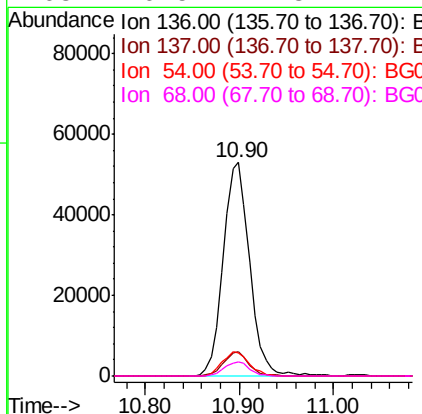
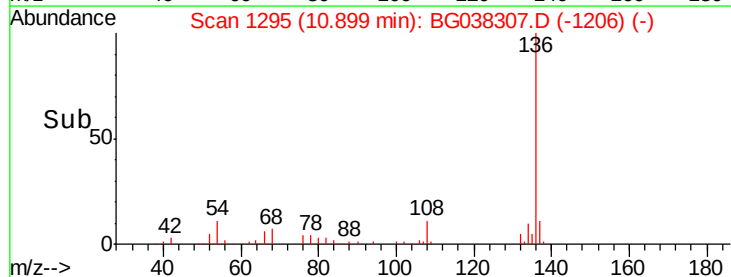
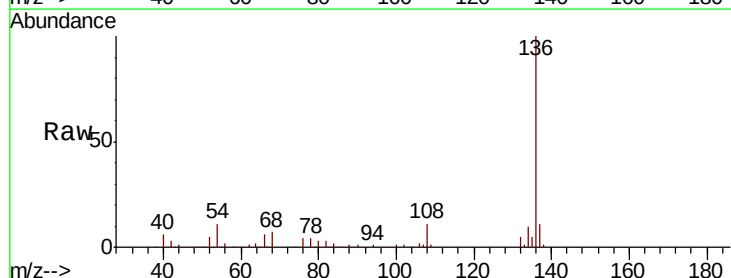
Instrument :
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20180945-COMPOSITE-4

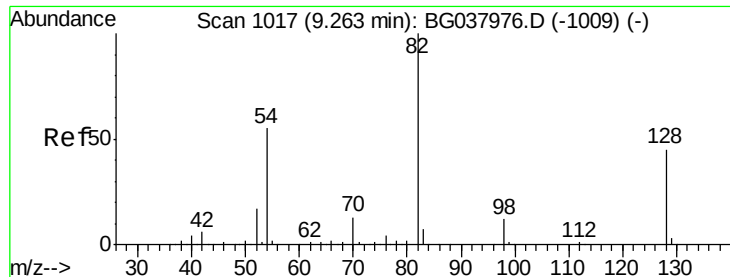
Tgt Ion: 70 Resp: 20278
Ion Ratio Lower Upper
70 100
42 53.6 53.9 80.9#
101 0.0 8.2 12.2#
130 1.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Tgt Ion: 136 Resp: 103638
Ion Ratio Lower Upper
136 100
137 11.2 9.6 14.4
54 10.6 7.9 11.9
68 6.5 4.8 7.2

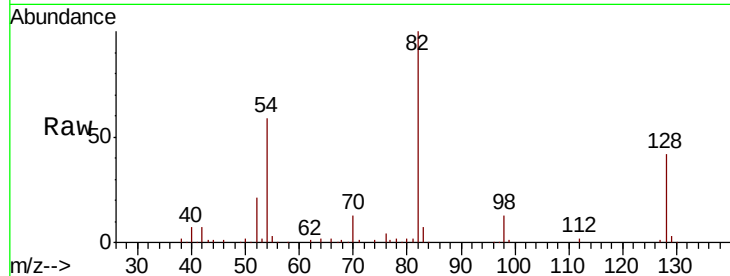




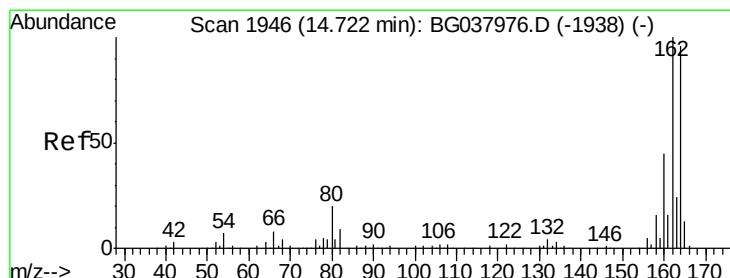
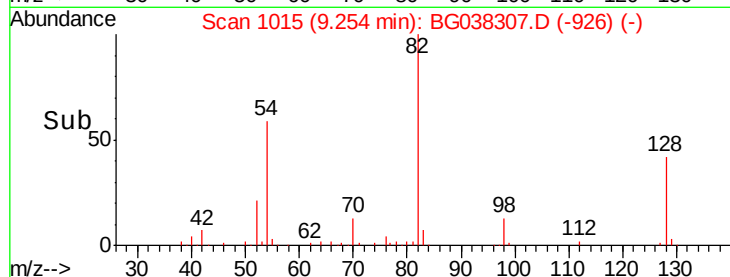
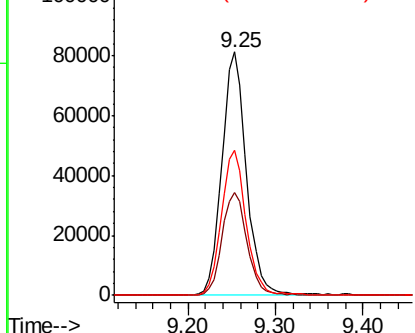
#23
Nitrobenzene-d5
Concen: 80.927 ng
RT: 9.25 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Instrument :
BNA_G
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion: 82 Resp: 156680
Ion Ratio Lower Upper
82 100
128 42.3 34.6 51.8
54 59.4 45.3 67.9

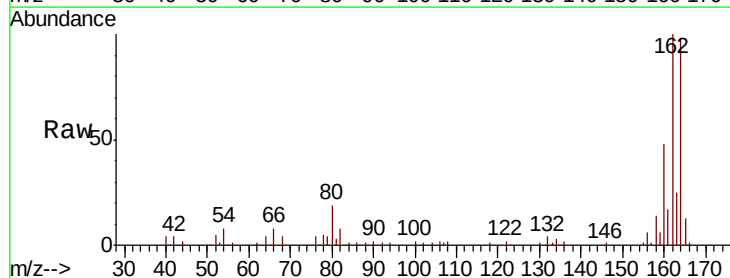


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

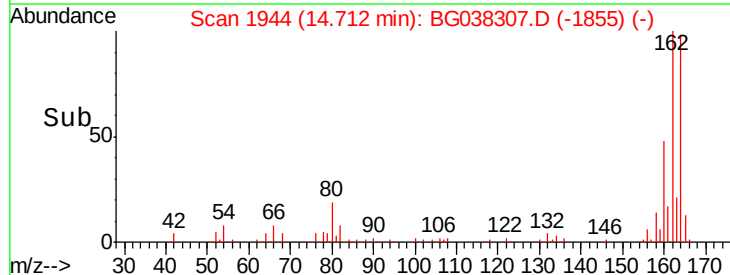
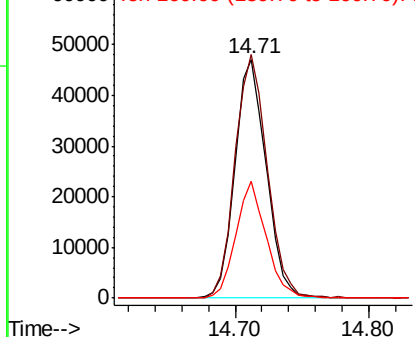


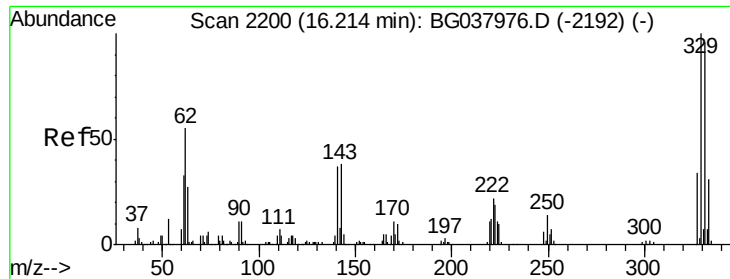
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Tgt Ion: 164 Resp: 76193
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 49.2 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 127.158 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

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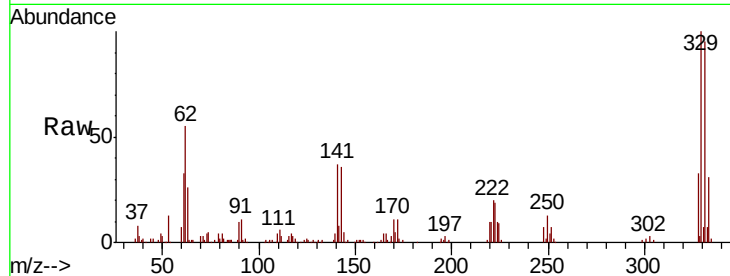
Tgt Ion:330 Resp: 110496

Ion Ratio Lower Upper

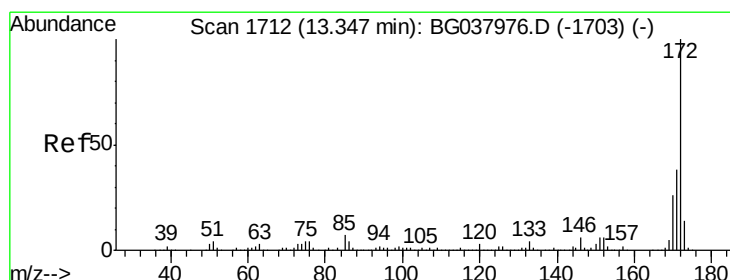
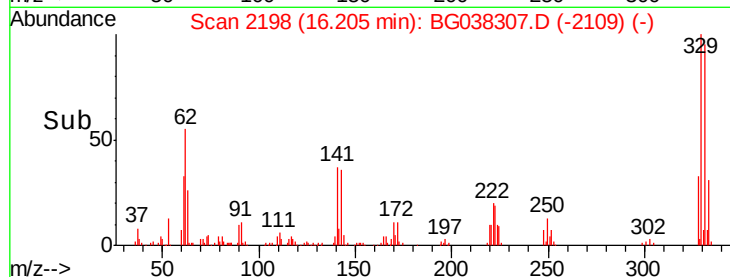
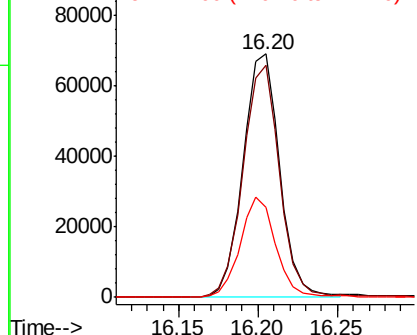
330 100

332 95.9 78.4 117.6

141 40.3 32.2 48.2



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: 66.074 ng

RT: 13.33 min Scan# 1709

Delta R.T. -0.02 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

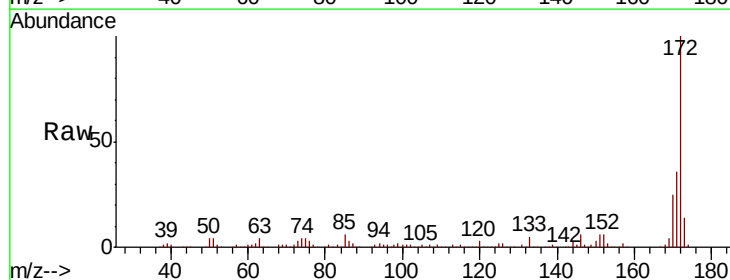
Tgt Ion:172 Resp: 345568

Ion Ratio Lower Upper

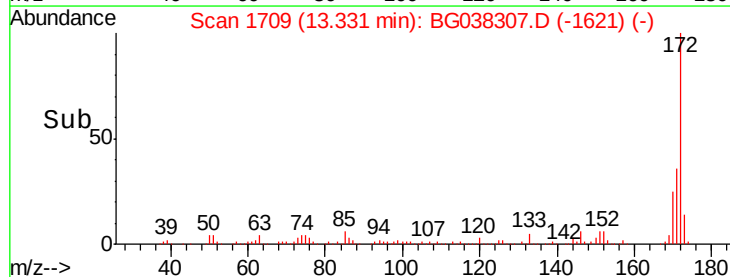
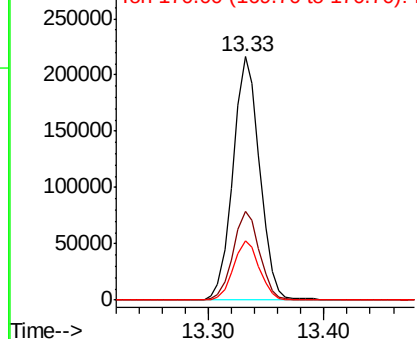
172 100

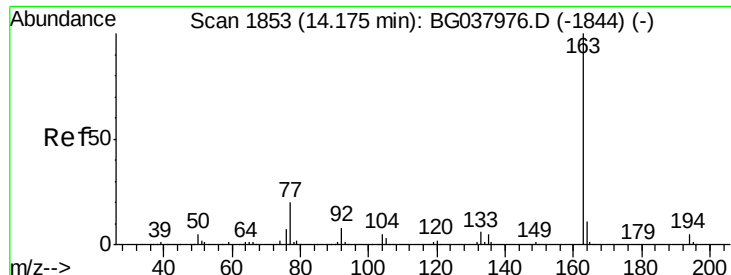
171 36.3 31.0 46.4

170 24.5 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: 8.578 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

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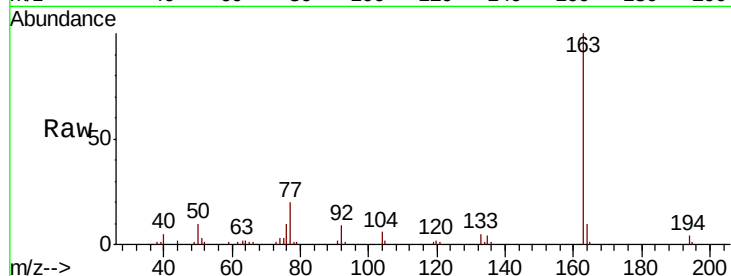
Tgt Ion:163 Resp: 51814

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

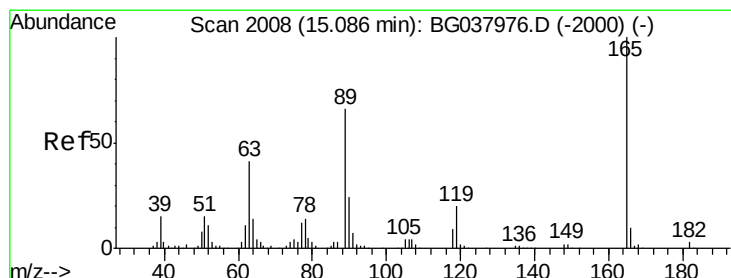
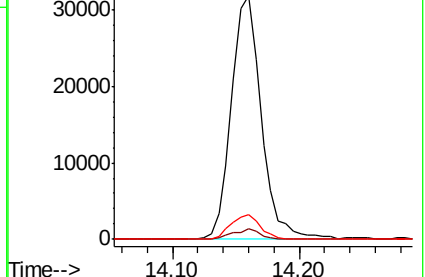
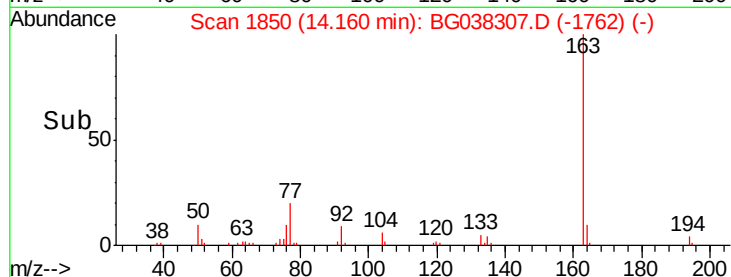
164 9.9 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 5.452 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.37 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Tgt Ion:165 Resp: 10141

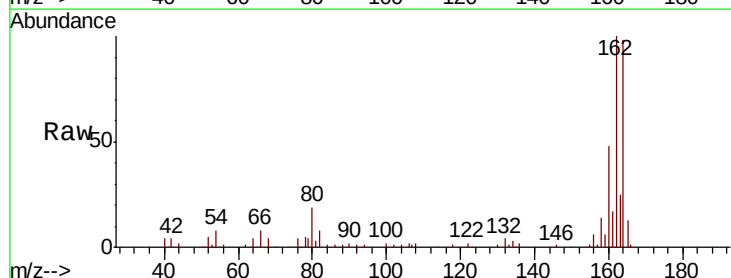
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

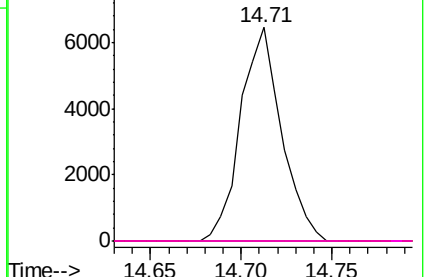
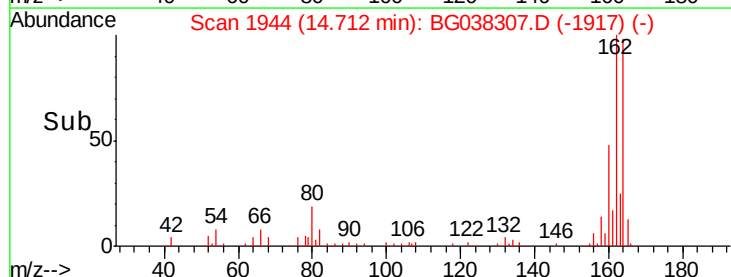


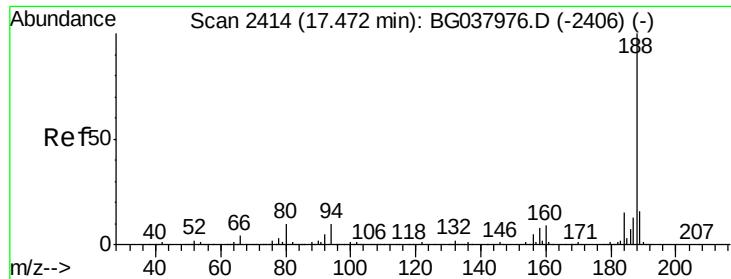
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

20180945-COMPOSITE-4

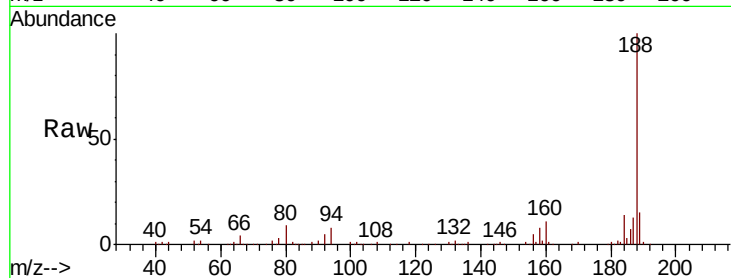
Tgt Ion:188 Resp: 195351

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

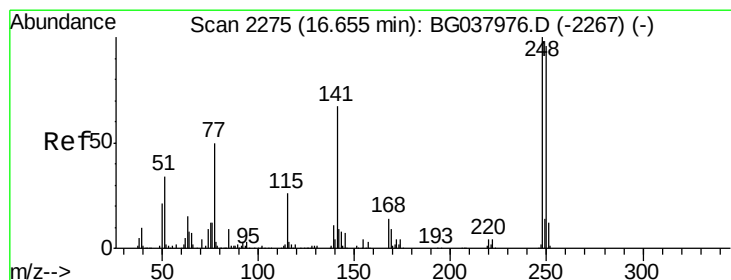
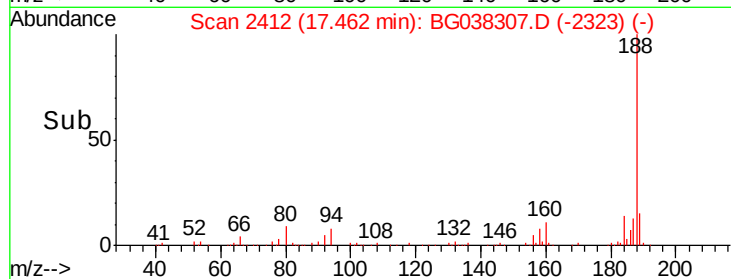
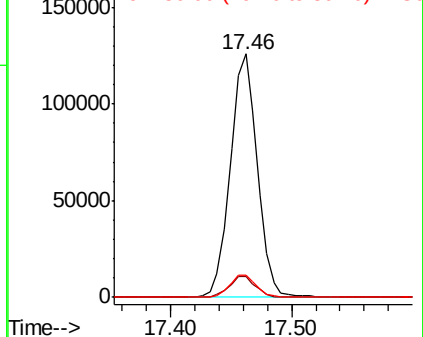
80 9.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.700 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.46 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

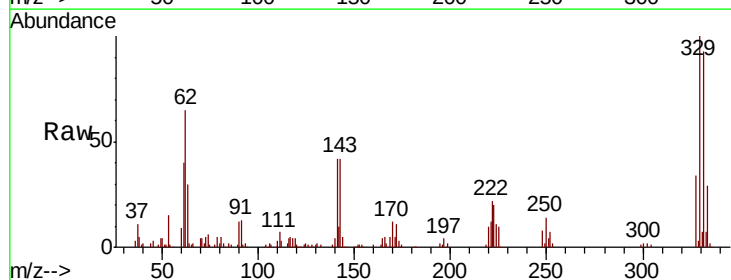
Tgt Ion:248 Resp: 7933

Ion Ratio Lower Upper

248 100

250 233.0 77.0 115.6#

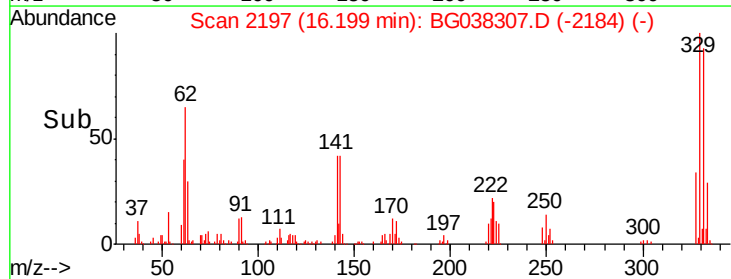
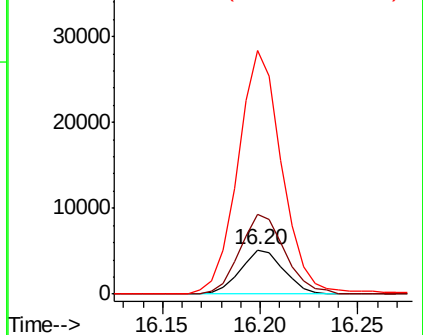
141 551.0 55.5 83.3#

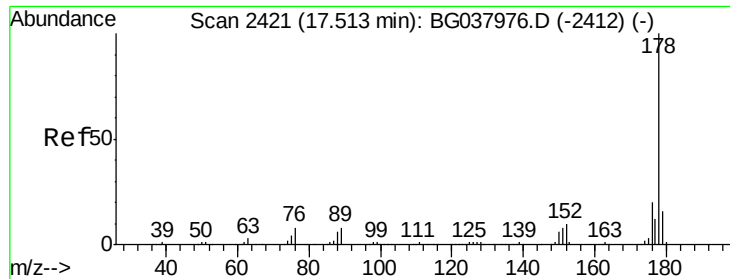


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

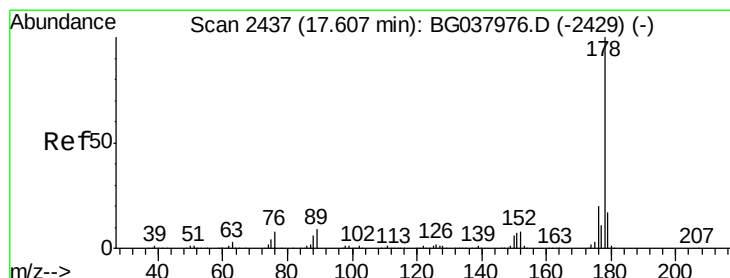
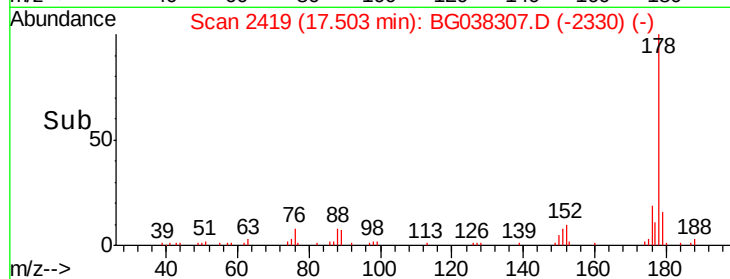
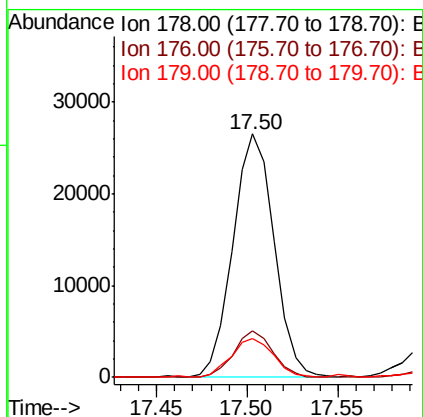
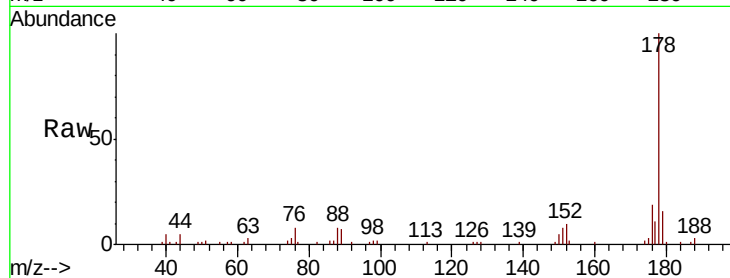




#71
Phenanthrene
Concen: 4.186 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

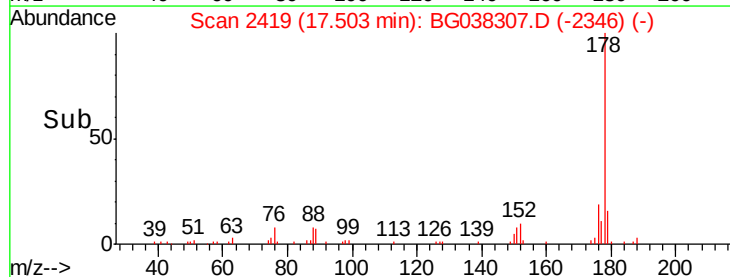
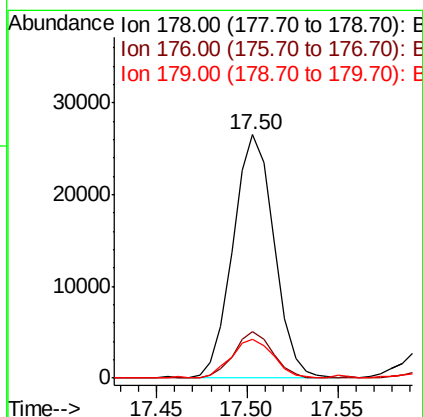
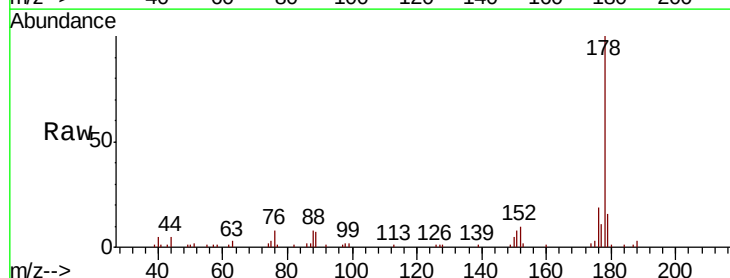
Instrument :
BNA_G
ClientSampleId :
20180945-COMPOSITE-4

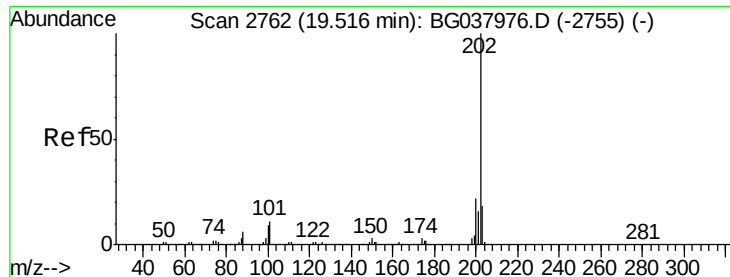
Tgt Ion:178 Resp: 41867
Ion Ratio Lower Upper
178 100
176 19.3 16.1 24.1
179 15.9 13.0 19.4



#72
Anthracene
Concen: 4.247 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.10 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Tgt Ion:178 Resp: 41867
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 15.9 12.8 19.2





#75

Fluoranthene

Concen: 5.229 ng

RT: 19.51 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

20180945-COMPOSITE-4

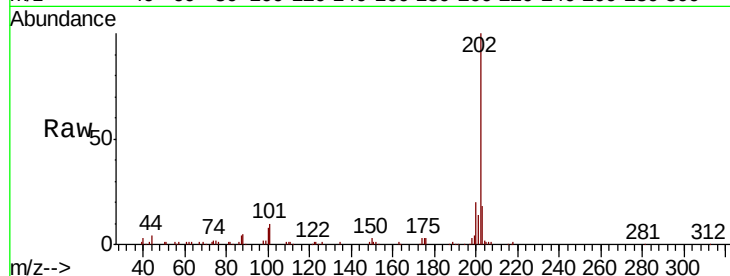
Tgt Ion:202 Resp: 59671

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.7

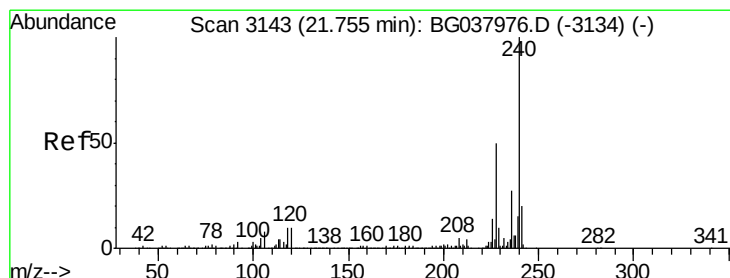
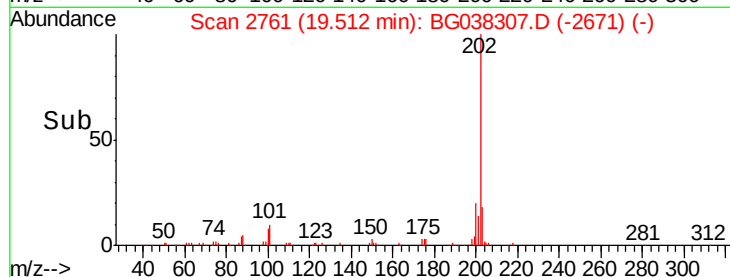
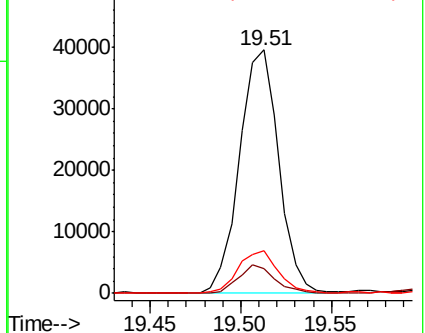
203 17.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

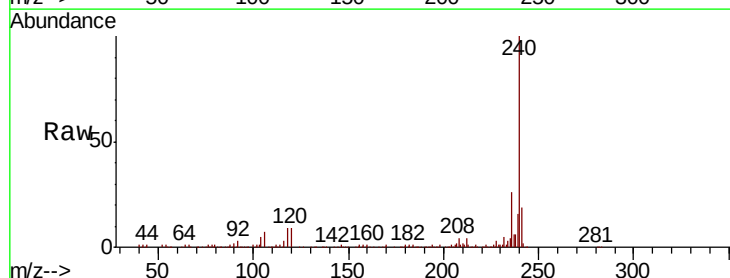
Tgt Ion:240 Resp: 209395

Ion Ratio Lower Upper

240 100

120 9.2 8.1 12.1

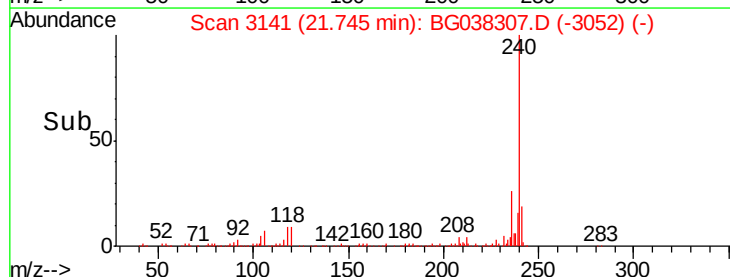
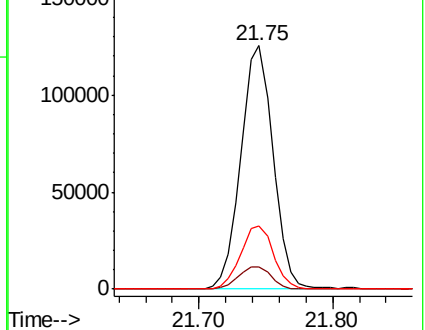
236 25.9 21.4 32.0

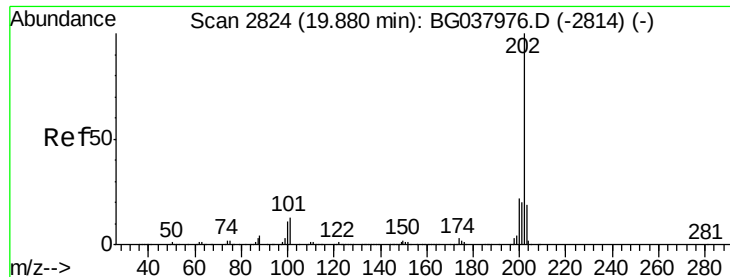


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

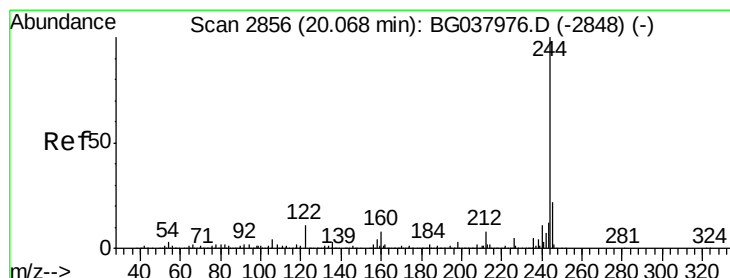
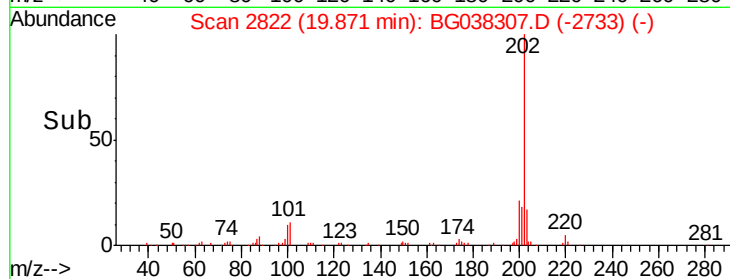
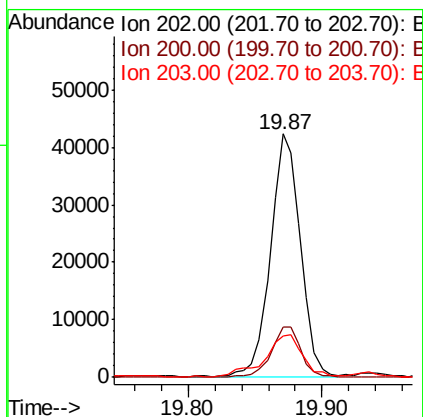
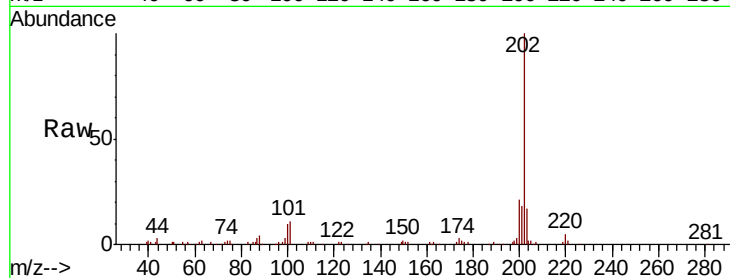




#78
 Pyrene
 Concen: 4.860 ng
 RT: 19.87 min Scan# 2822
 Delta R.T. -0.01 min
 Lab File: BG038307.D
 Acq: 3 Dec 2018 19:41

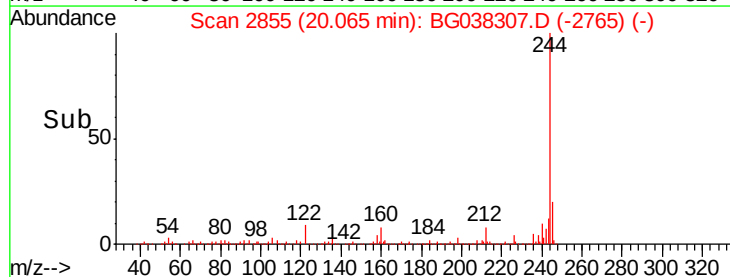
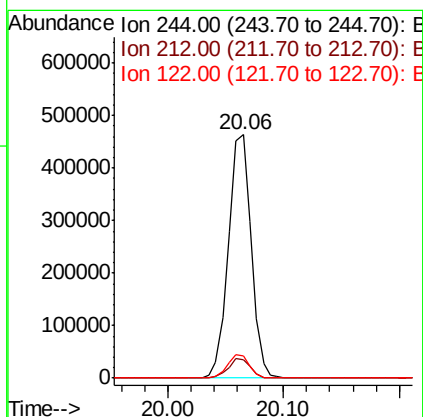
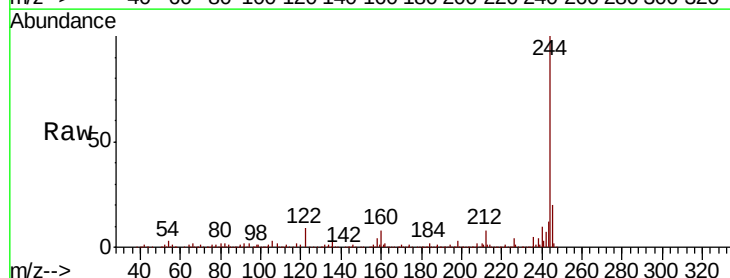
Instrument :
 BNA_G
 ClientSampleId :
 20180945-COMPOSITE-4

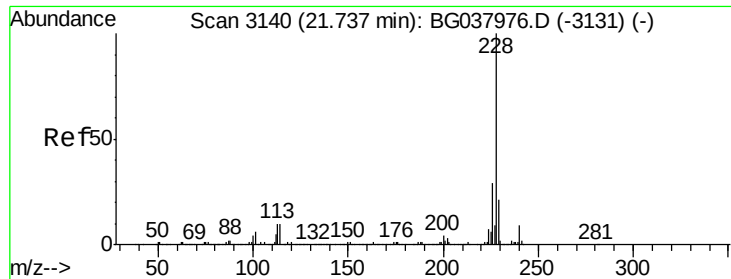
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	17.2	15.2	22.8



#79
 Terphenyl-d14
 Concen: 71.335 ng
 RT: 20.06 min Scan# 2855
 Delta R.T. -0.00 min
 Lab File: BG038307.D
 Acq: 3 Dec 2018 19:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	9.2	9.0	13.4

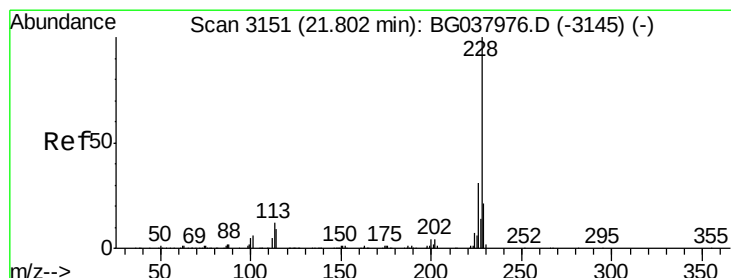
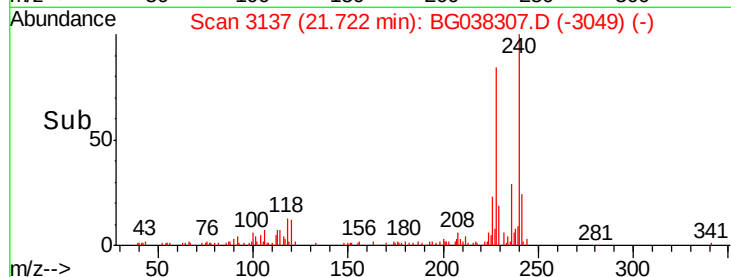
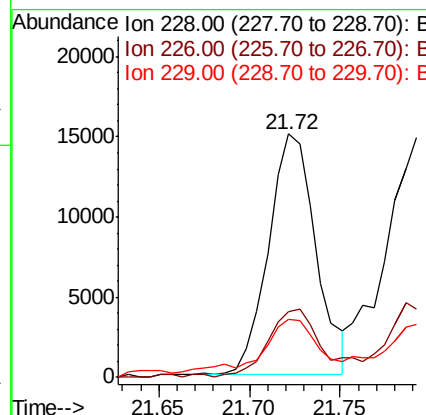
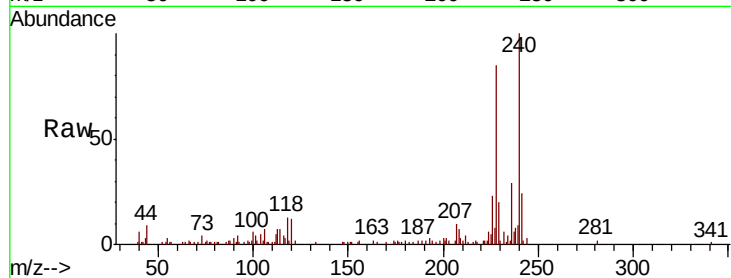




#81
Benzo(a)anthracene
Concen: 2.166 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

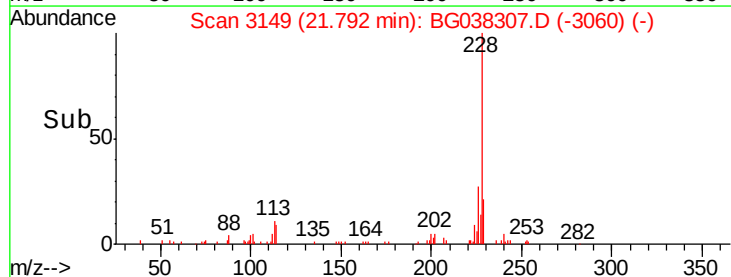
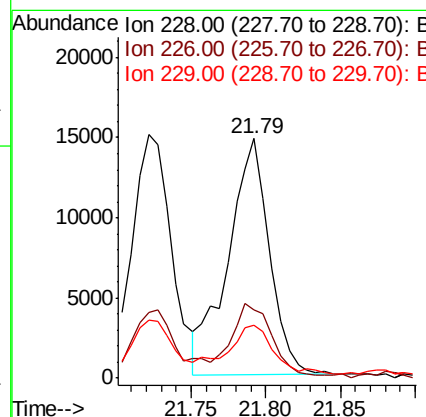
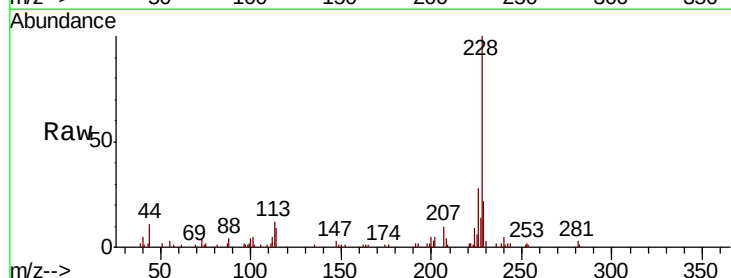
Instrument :
BNA_G
ClientSampleId :
20180945-COMPOSITE-4

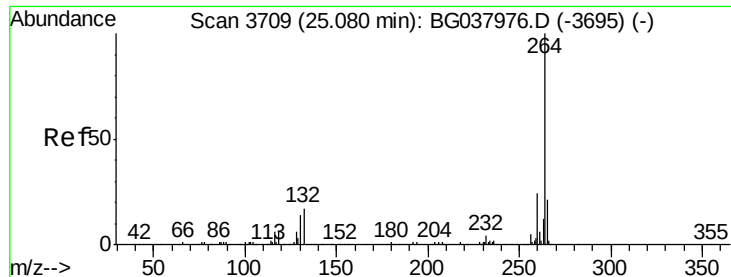
Tgt Ion: 228 Resp: 27411
Ion Ratio Lower Upper
228 100
226 26.9 22.6 33.8
229 23.6 16.3 24.5



#83
Chrysene
Concen: 2.333 ng
RT: 21.79 min Scan# 3149
Delta R.T. -0.01 min
Lab File: BG038307.D
Acq: 3 Dec 2018 19:41

Tgt Ion: 228 Resp: 28241
Ion Ratio Lower Upper
228 100
226 28.4 25.7 38.5
229 22.0 16.5 24.7





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

20180945-COMPOSITE-4

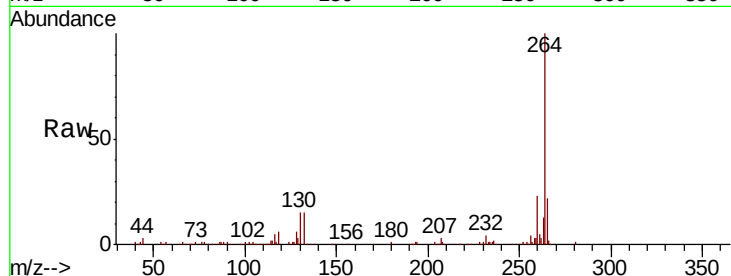
Tgt Ion:264 Resp: 244967

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 22.0 17.9 26.9

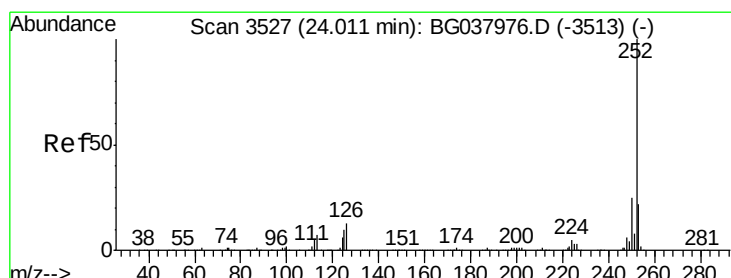
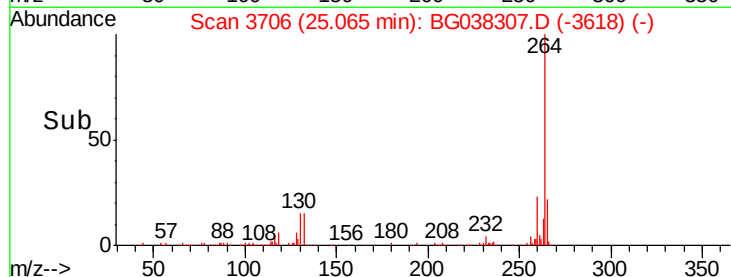
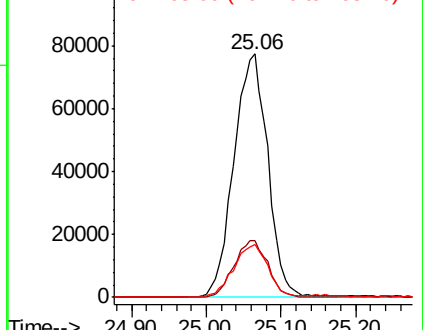


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 2.407 ng

RT: 24.00 min Scan# 3524

Delta R.T. -0.02 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

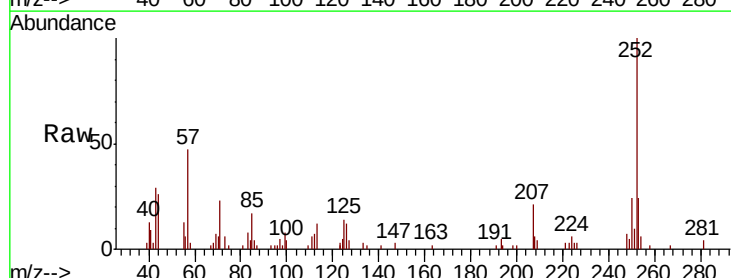
Tgt Ion:252 Resp: 32446

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

125 13.9 7.8 11.6#

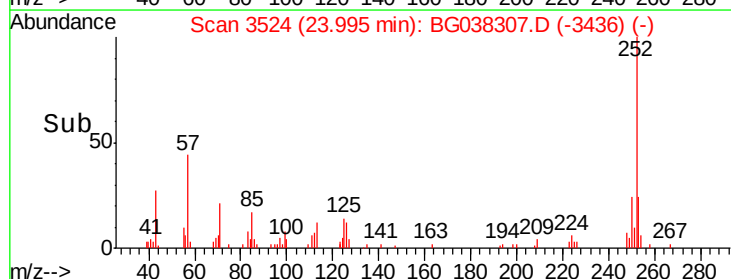
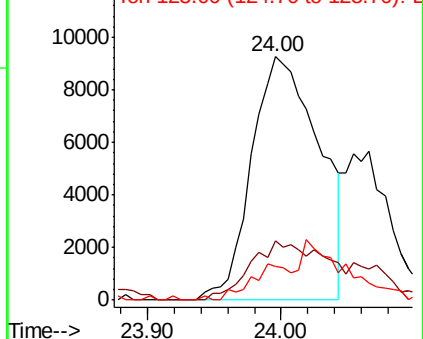


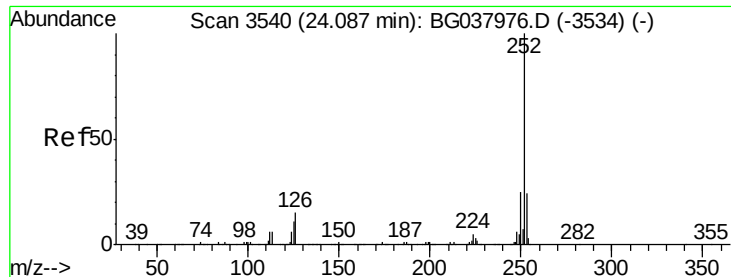
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.439 ng

RT: 24.00 min Scan# 3524

Delta R.T. -0.09 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

Instrument :

BNA_G

ClientSampleId :

20180945-COMPOSITE-4

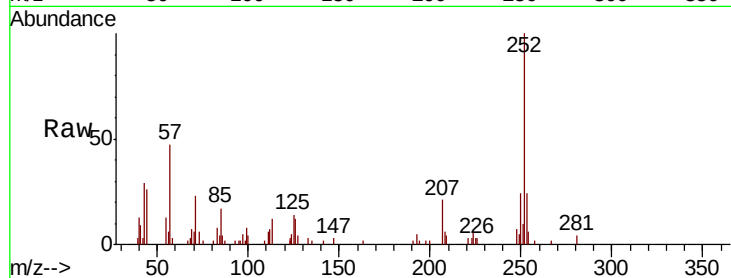
Tgt Ion:252 Resp: 32446

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.2

125 13.9 7.4 11.0#

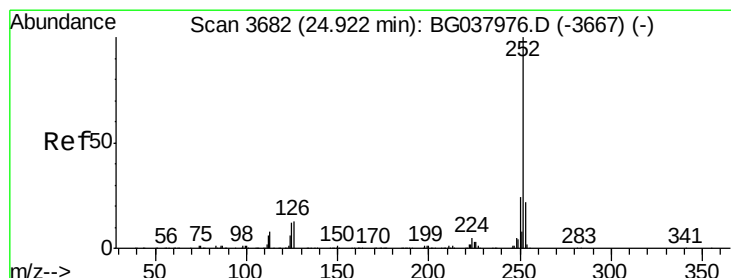
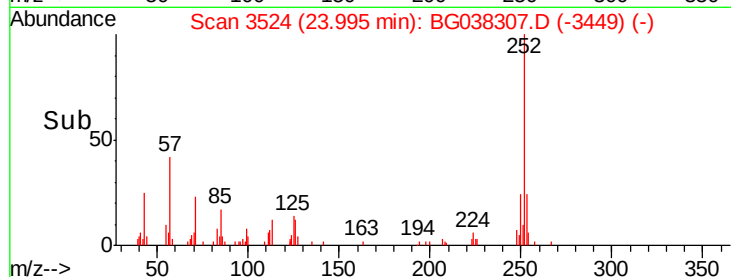
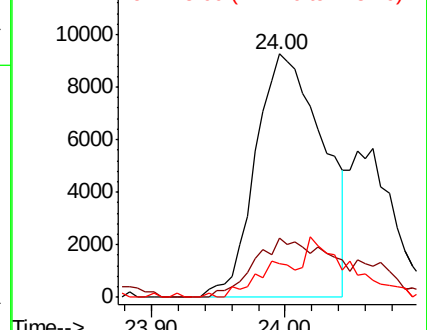


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.140 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.03 min

Lab File: BG038307.D

Acq: 3 Dec 2018 19:41

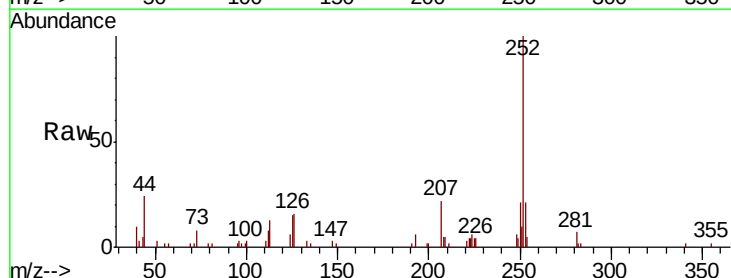
Tgt Ion:252 Resp: 27573

Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

125 14.6 9.0 13.6#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

