

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041355.D
 Acq On : 20 Jun 2019 13:55
 Operator : HP/JU
 Sample : K3158-03 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 15:54:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38094	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	157623	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	99730	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	220473	20.00	ng	0.00
76) Chrysene-d12	21.74	240	234186	20.00	ng	0.00
87) Perylene-d12	25.05	264	251302	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	133603	64.44	ng	0.00
7) Phenol-d6	7.23	99	207569	69.07	ng	0.00
23) Nitrobenzene-d5	9.25	82	142950	38.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	88845	58.03	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	318194	43.36	ng	-0.01
79) Terphenyl-d14	20.06	244	486281	41.15	ng	0.00

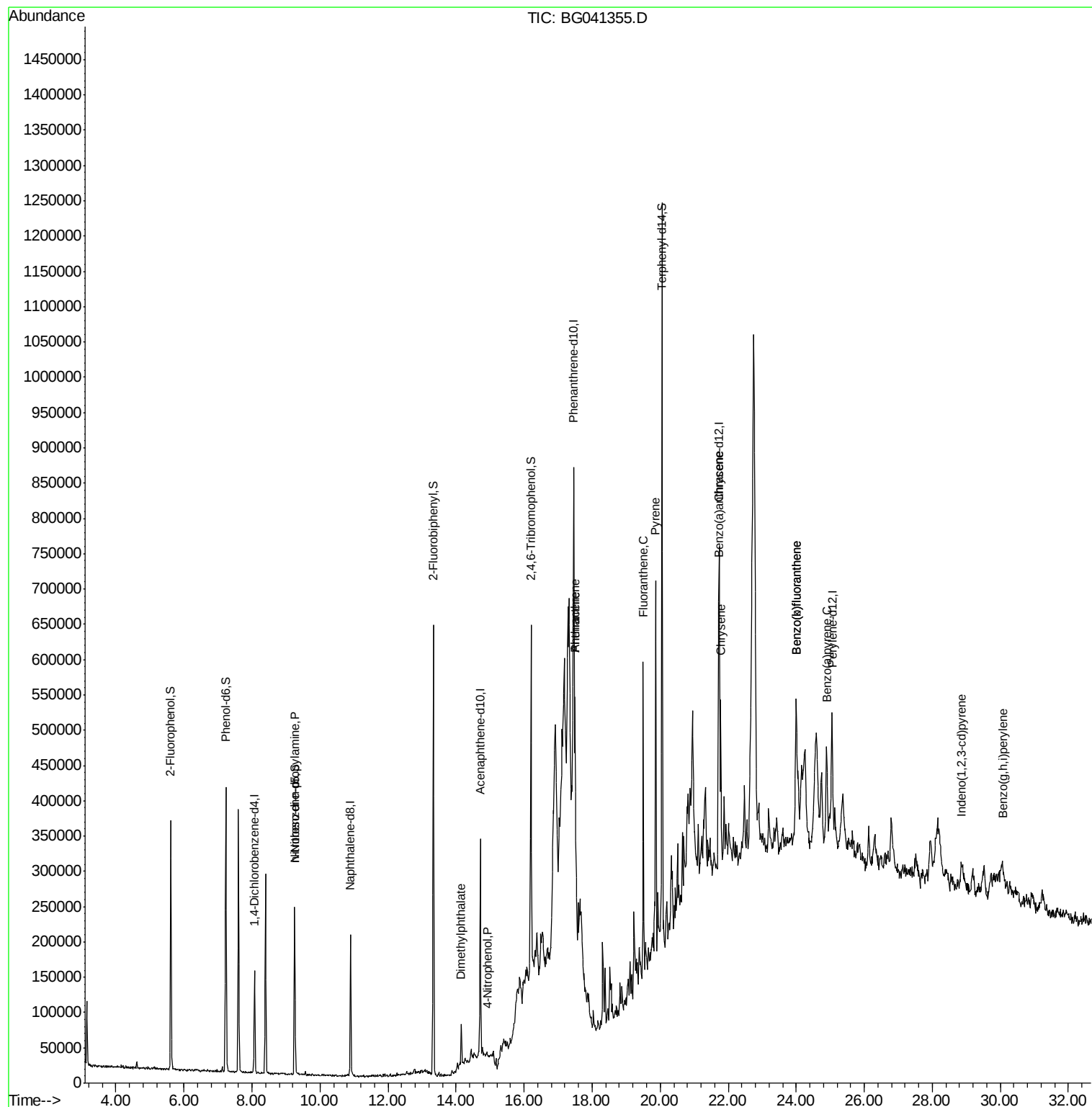
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.26	70	21103	8.682	ng	# 78
50) Dimethylphthalate	14.16	163	37388	4.213	ng	97
56) 4-Nitrophenol	14.91	139	457	3.529	ng	# 1
71) Phenanthrene	17.50	178	90959	7.735	ng	99
72) Anthracene	17.50	178	90959	7.846	ng	98
75) Fluoranthene	19.50	202	290533	18.598	ng	98
78) Pyrene	19.87	202	327185	20.716	ng	99
81) Benzo(a)anthracene	21.71	228	187728	11.839	ng	97
83) Chrysene	21.78	228	183711	12.048	ng	95
86) Indeno(1,2,3-cd)pyrene	28.85	276	86336	4.772	ng	# 91
88) Benzo(b)fluoranthene	23.99	252	223474	14.349	ng	# 92
89) Benzo(k)fluoranthene	23.99	252	223474	14.485	ng	# 93
90) Benzo(a)pyrene	24.90	252	159680	10.856	ng	# 98
92) Benzo(a,h,i)perylene	30.07	276	76580	5.233	ng	# 92

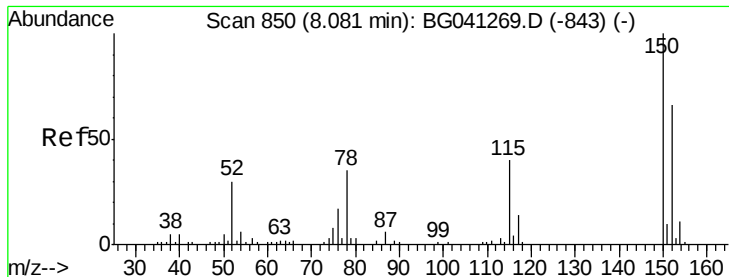
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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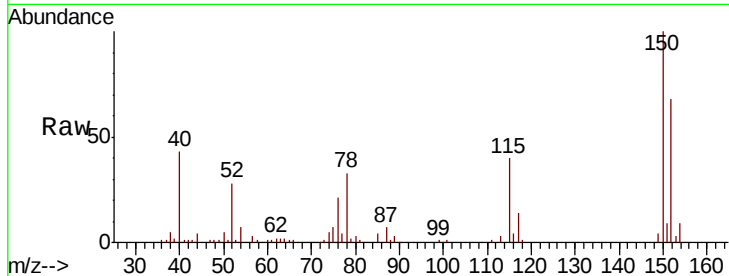


#1

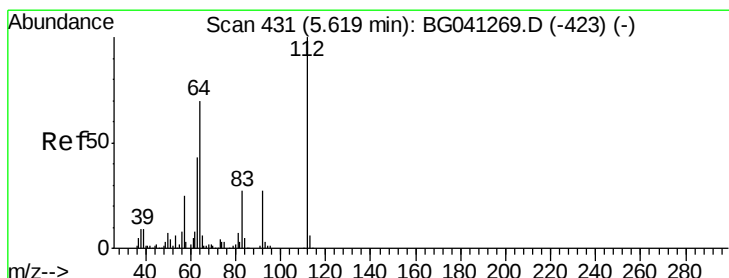
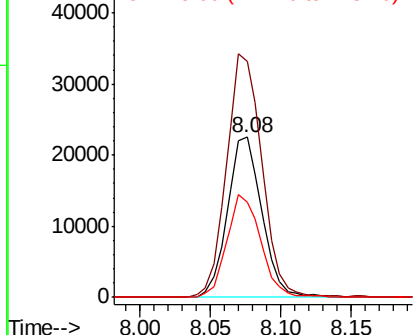
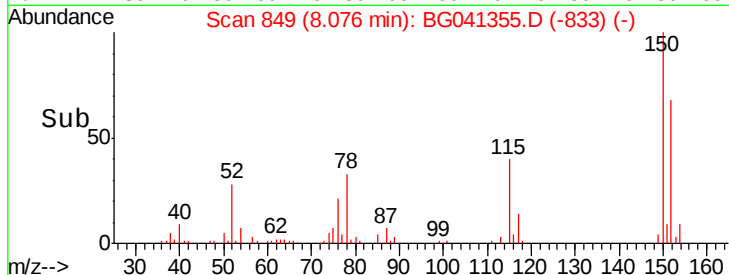
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38094
Ion Ratio Lower Upper
152 100
150 147.5 120.6 181.0
115 59.3 47.9 71.9



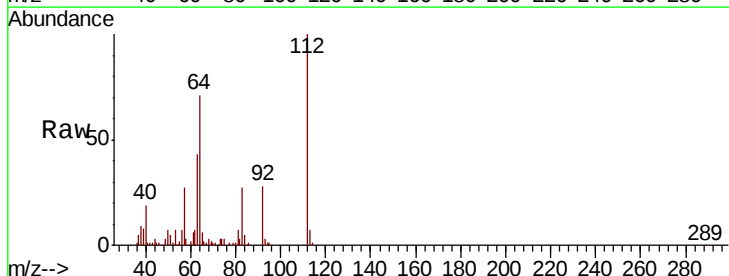
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



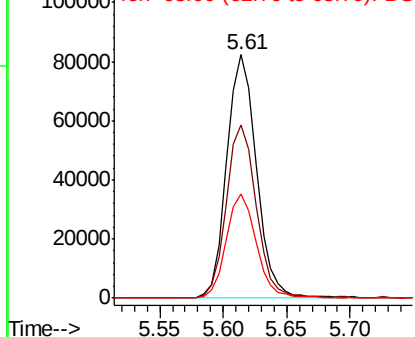
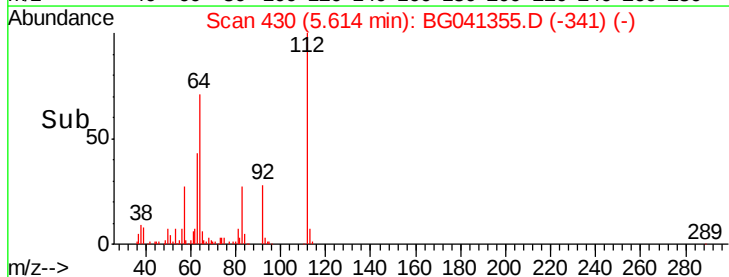
#5

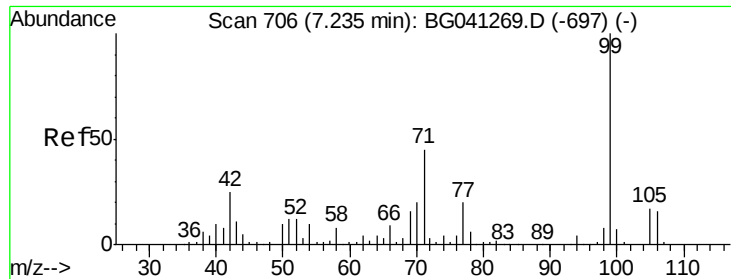
2-Fluorophenol
Concen: 64.442 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Tgt Ion:112 Resp: 133603
Ion Ratio Lower Upper
112 100
64 70.9 55.9 83.9
63 42.7 34.6 51.8



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: 69.070 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

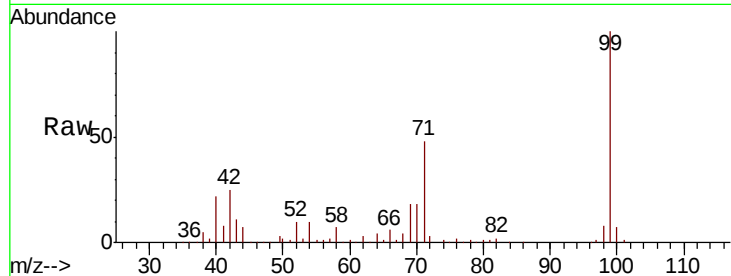
Tot Ion: 99 Resp: 207569

Ion Ratio Lower Upper

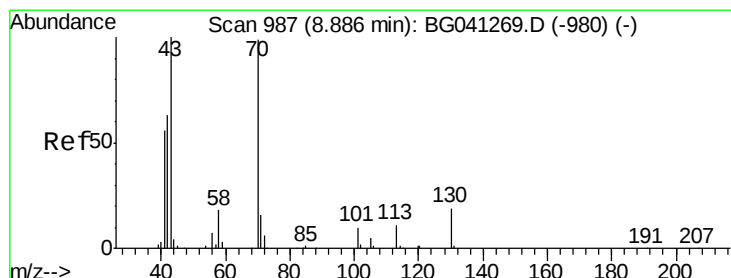
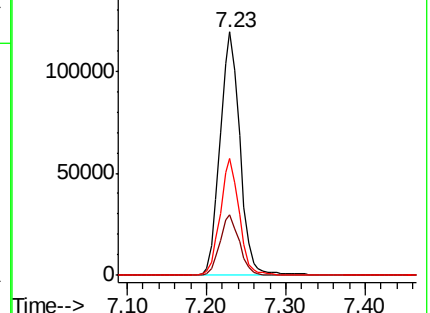
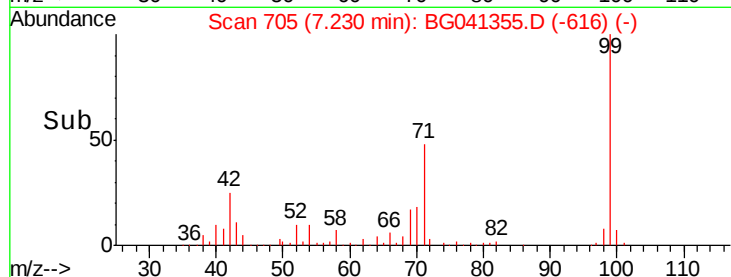
99 100

42 24.7 19.9 29.9

71 48.2 36.4 54.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.682 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.37 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Tgt Ion: 70 Resp: 21103

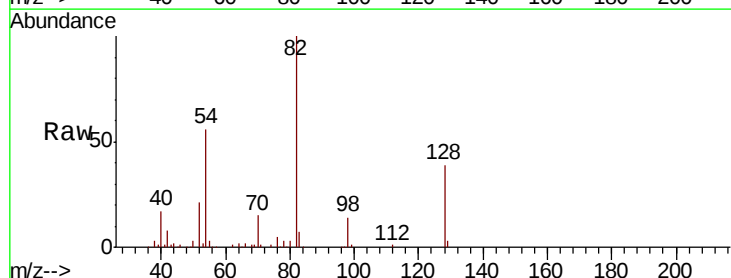
Ion Ratio Lower Upper

70 100

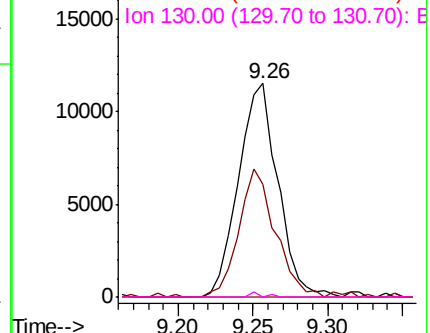
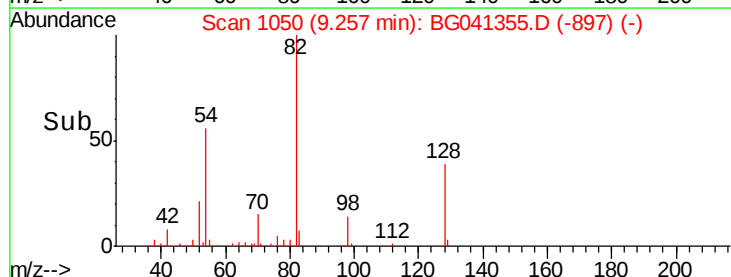
42 52.5 51.4 77.2

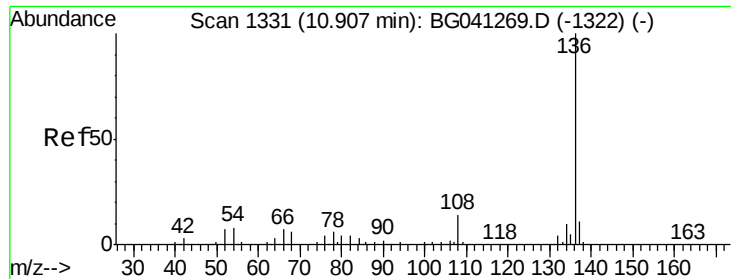
101 0.0 8.2 12.2#

130 0.0 15.2 22.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BG041355.D

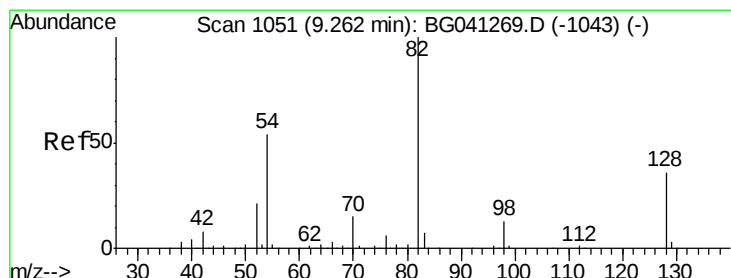
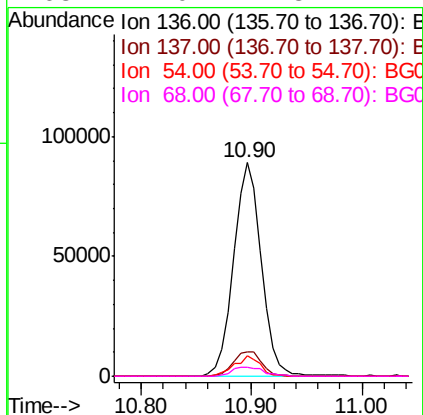
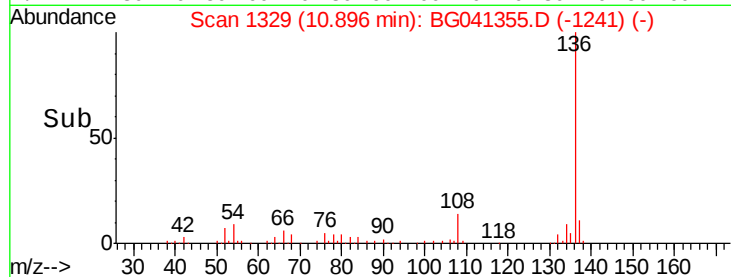
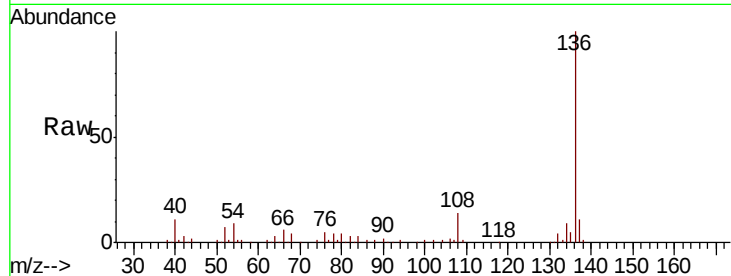
Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	157623
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	9.3	6.4 9.6
68	4.0	4.8 7.2#



#23

Nitrobenzene-d5

Concen: 38.141 ng

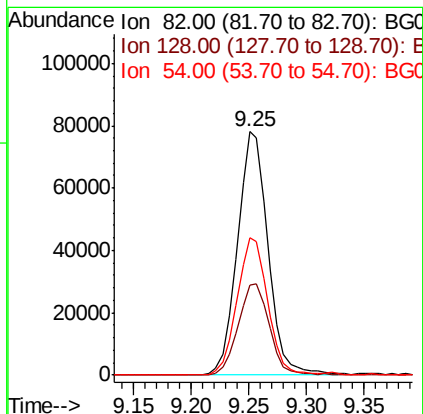
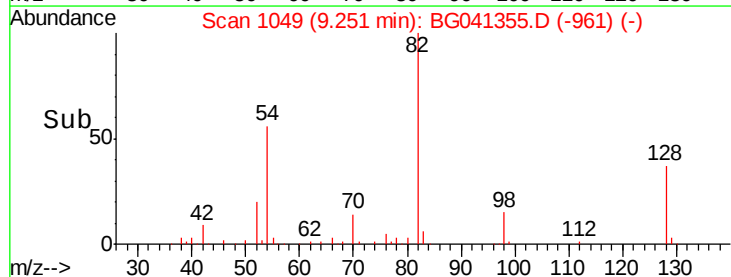
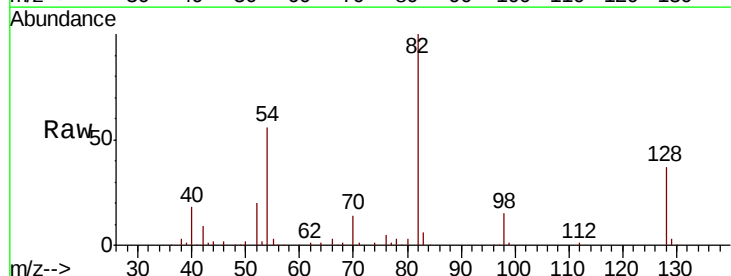
RT: 9.25 min Scan# 1049

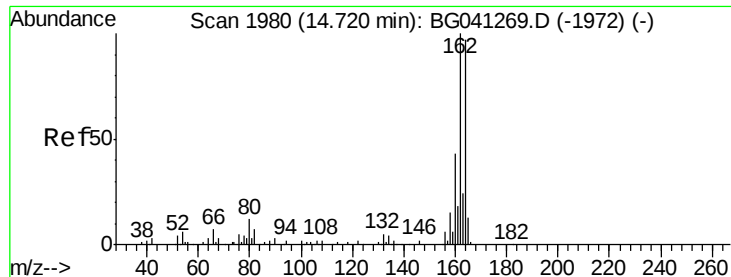
Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Tgt Ion: 82	Resp:	142950
Ion Ratio	Lower	Upper
82	100	
128	37.0	29.2 43.8
54	56.5	43.4 65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

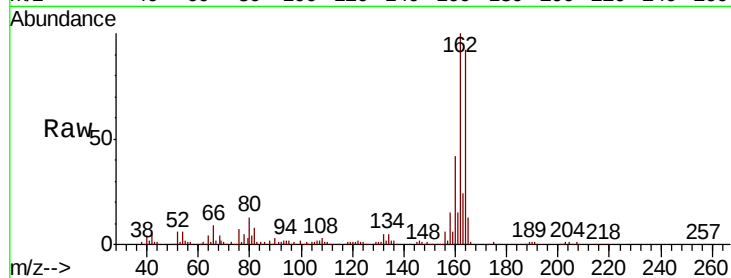
Tot Ion:164 Resp: 99730

Ion Ratio Lower Upper

164 100

162 108.3 82.8 124.2

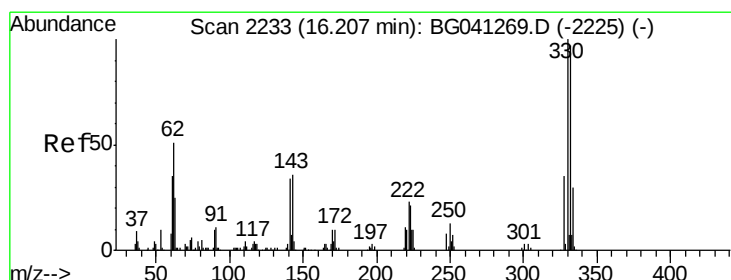
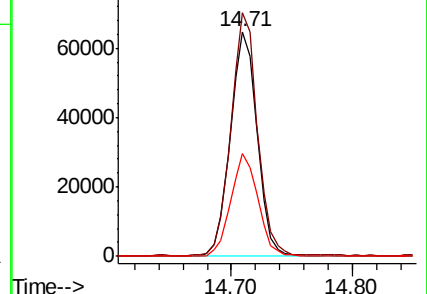
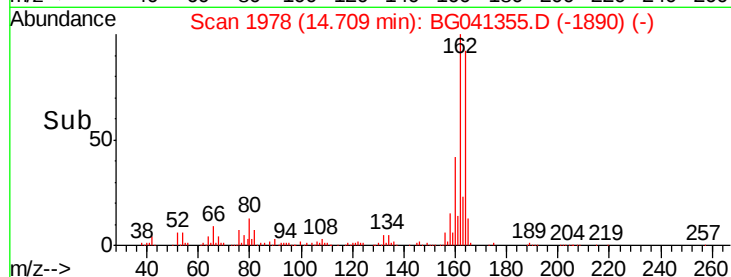
160 46.0 35.8 53.8



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: 58.028 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

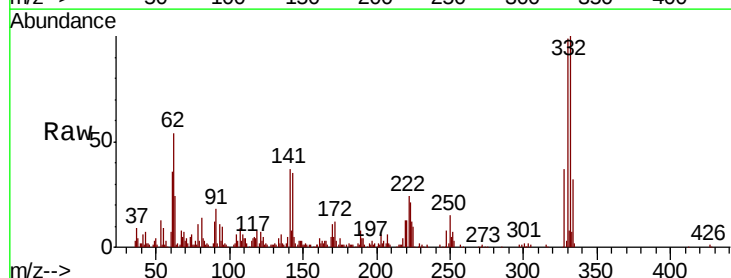
Tgt Ion:330 Resp: 88845

Ion Ratio Lower Upper

330 100

332 96.5 75.5 113.3

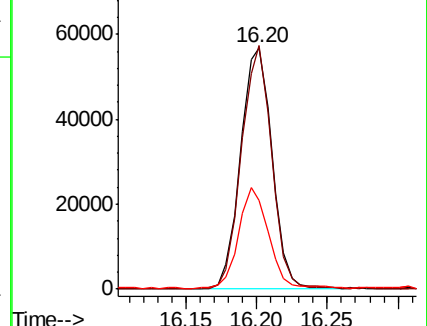
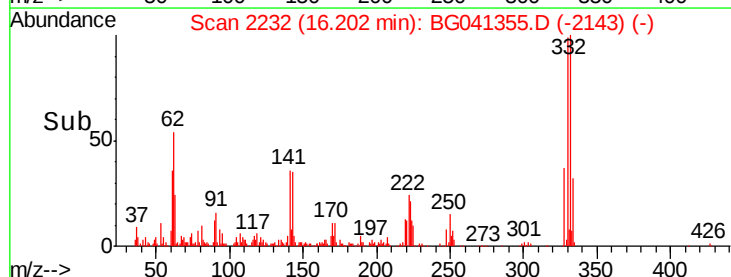
141 39.7 29.0 43.4

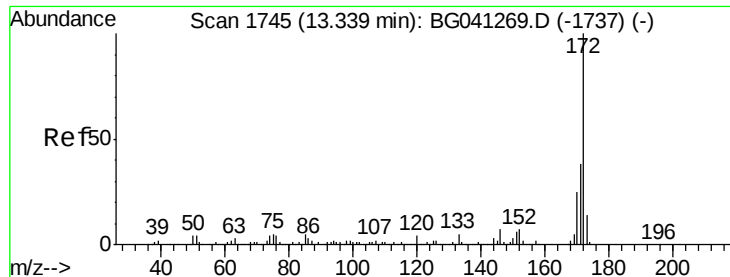


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

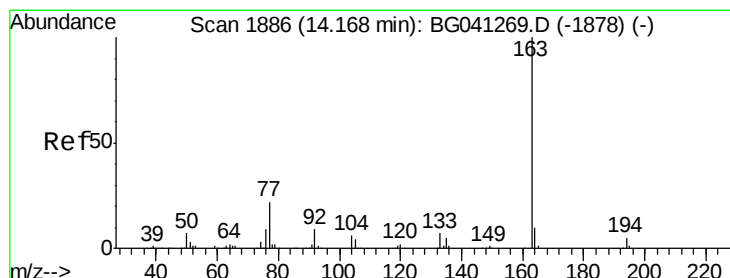
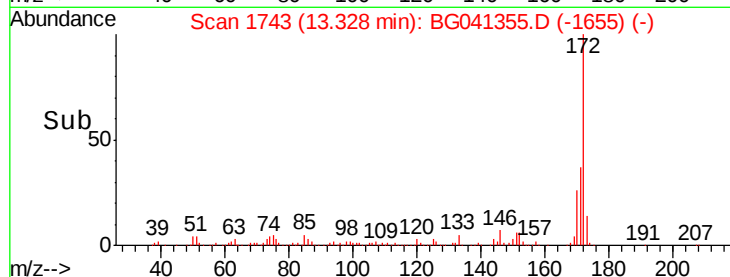
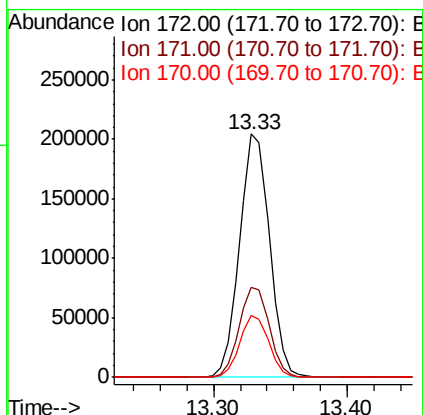
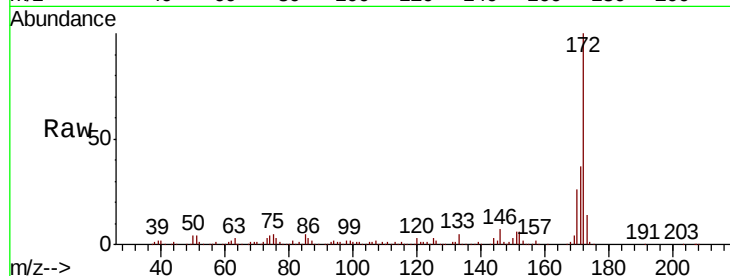




#45
2-Fluorobiphenyl
Concen: 43.365 ng
RT: 13.33 min Scan# 1743
Delta R.T. -0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

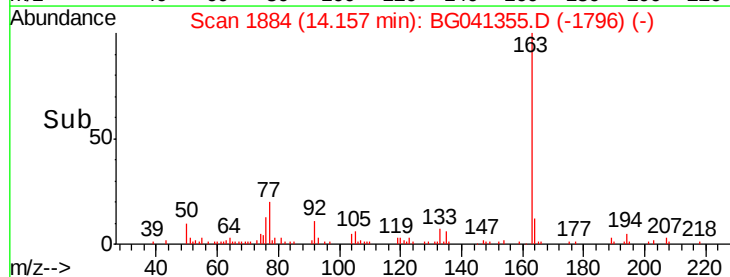
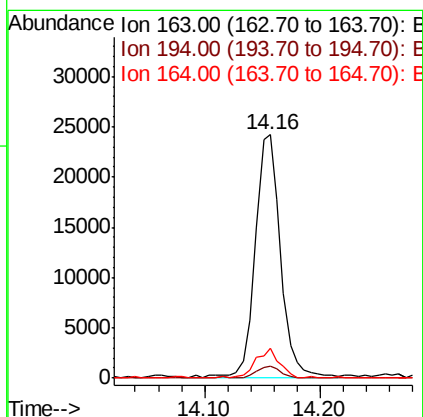
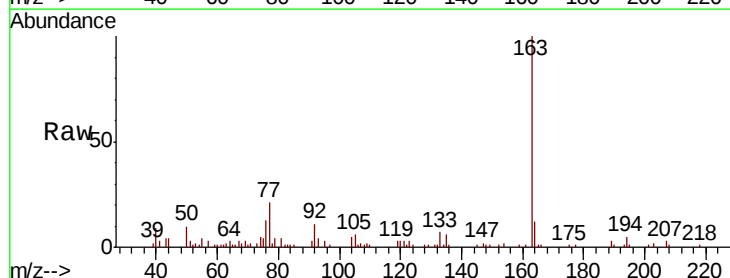
Instrument :
BNA_G
ClientSampled :

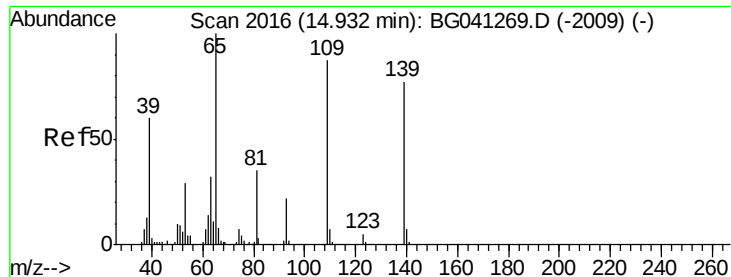
Tot Ion:172 Resp: 318194
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 25.6 19.8 29.6



#50
Dimethylphthalate
Concen: 4.213 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Tgt Ion:163 Resp: 37388
Ion Ratio Lower Upper
163 100
194 5.1 3.9 5.9
164 12.1 8.3 12.5





#56

4-Nitrophenol

Concen: 3.529 ng

RT: 14.91 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampled :

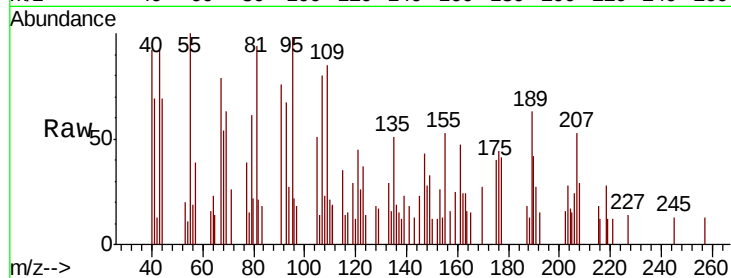
Tot Ion:139 Resp: 457

Ion Ratio Lower Upper

139 100

109 377.9 93.2 133.2#

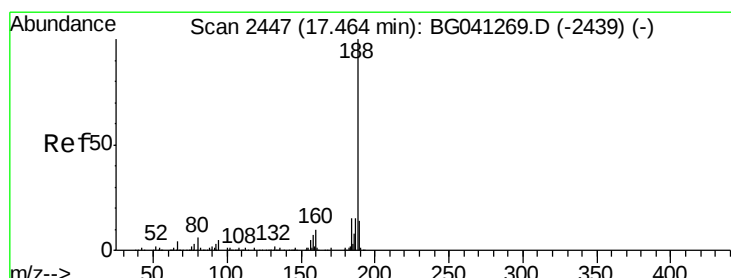
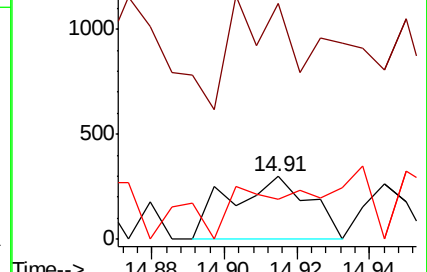
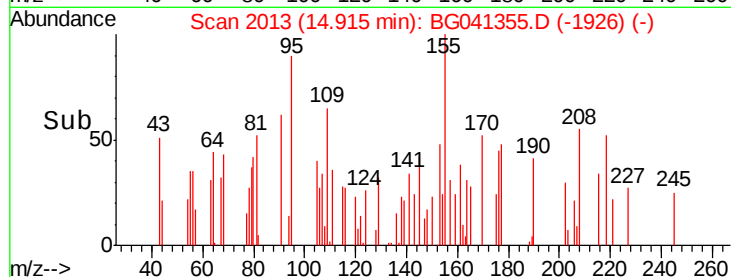
65 63.8 110.2 150.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

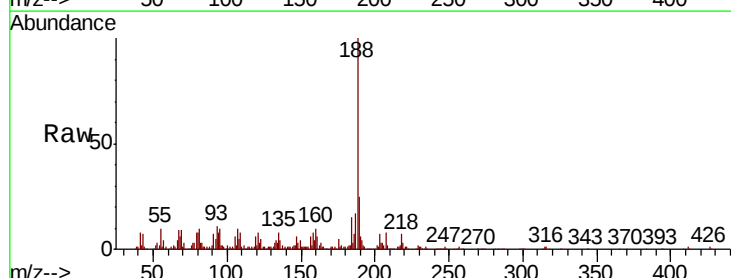
Tgt Ion:188 Resp: 220473

Ion Ratio Lower Upper

188 100

94 7.9 3.6 5.4#

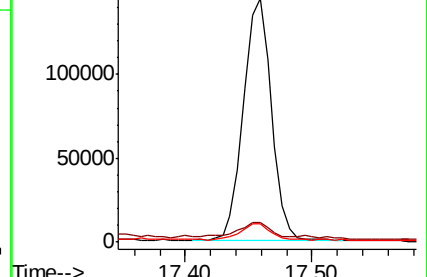
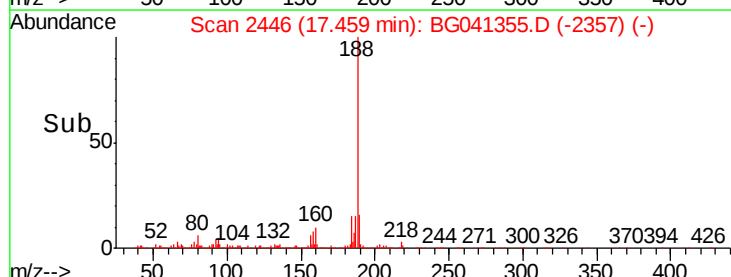
80 7.6 4.8 7.2#

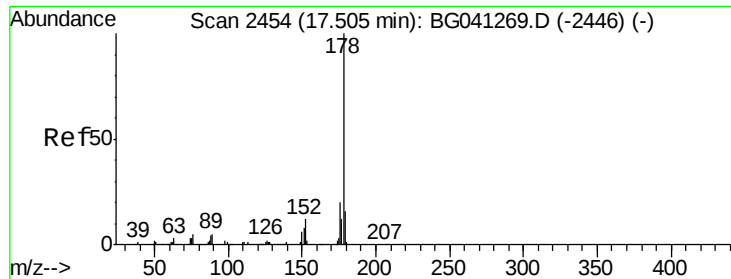


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

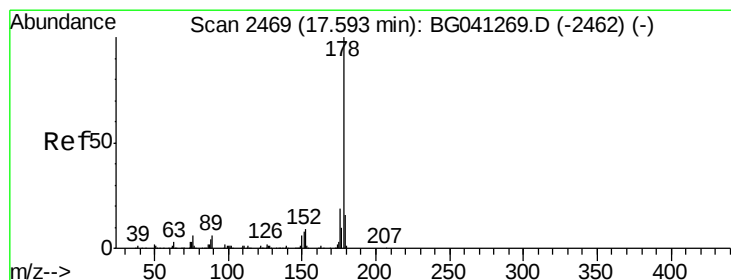
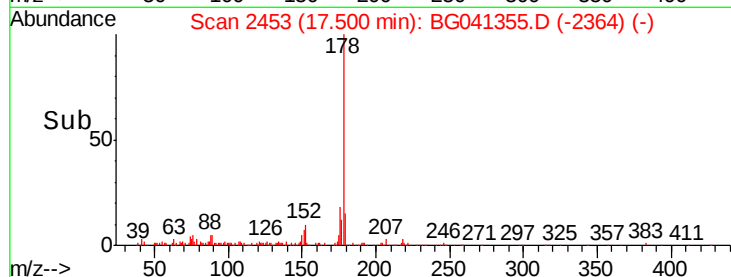
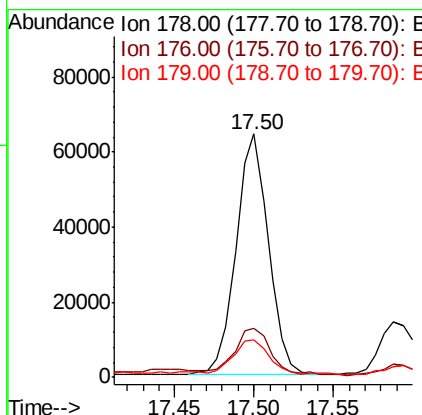
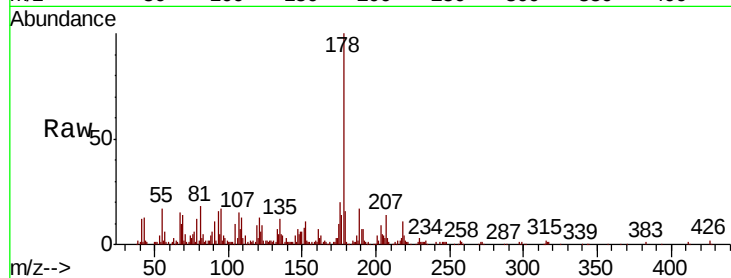




#71
Phenanthrene
Concen: 7.735 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

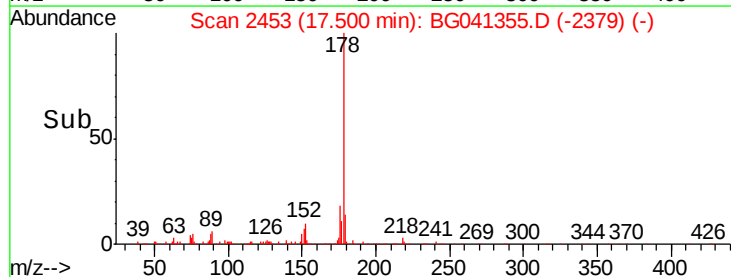
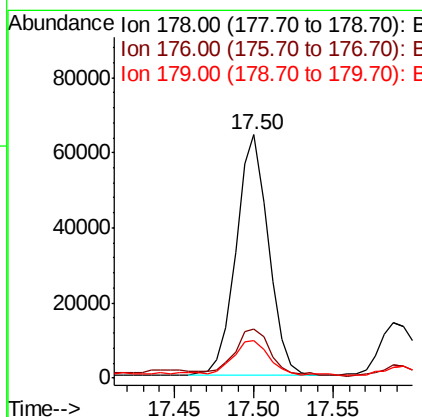
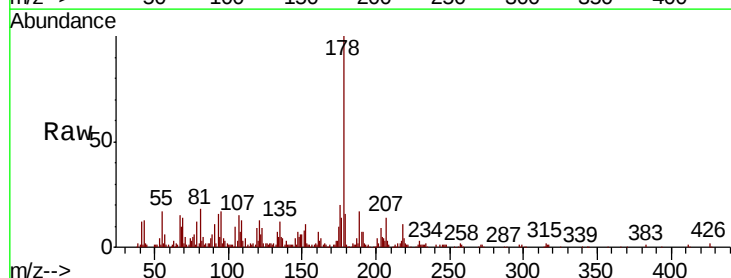
Instrument :
BNA_G
ClientSampleId :

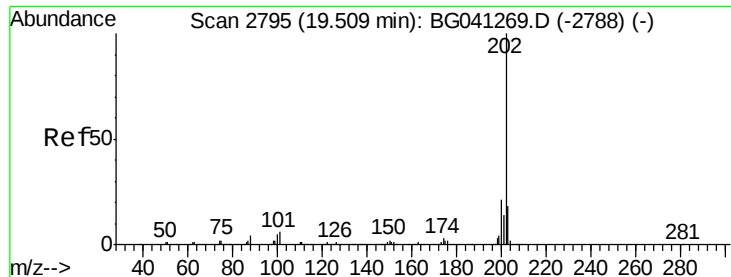
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.1	24.1
179	15.7	12.9	19.3



#72
Anthracene
Concen: 7.846 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.09 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.2
179	15.7	13.0	19.4





#75

Fluoranthene

Concen: 18.598 ng

RT: 19.50 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

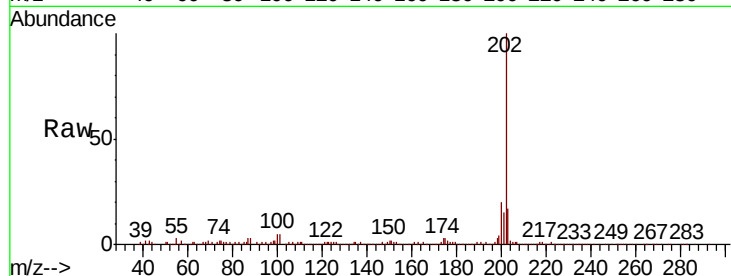
Tot Ion:202 Resp: 290533

Ion Ratio Lower Upper

202 100

101 5.1 0.0 26.0

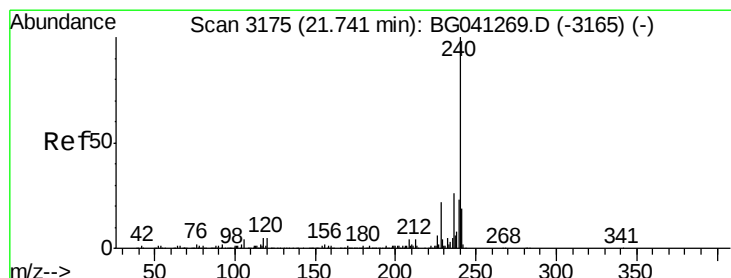
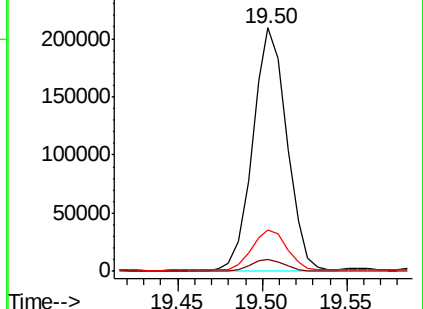
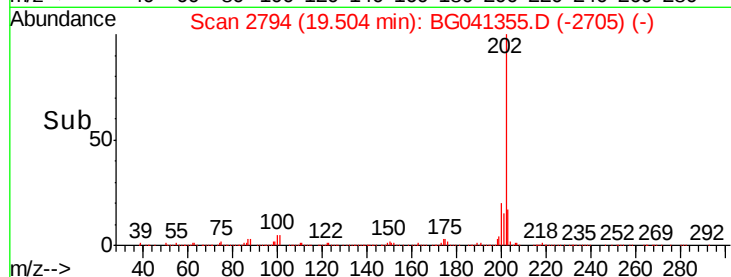
203 16.9 0.0 37.7



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: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

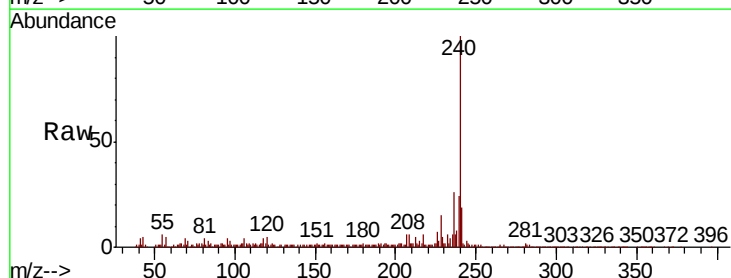
Tgt Ion:240 Resp: 234186

Ion Ratio Lower Upper

240 100

120 4.9 3.7 5.5

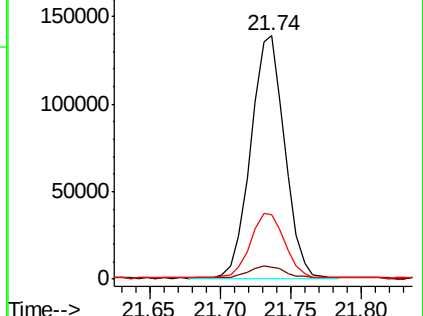
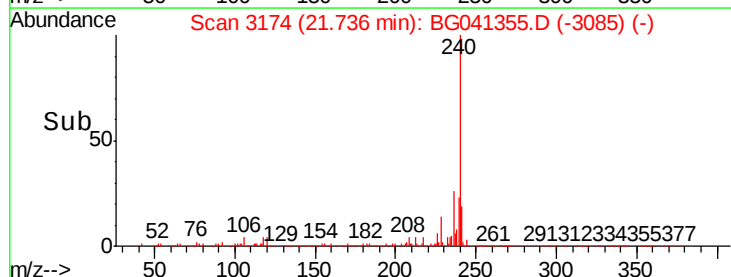
236 26.3 21.1 31.7

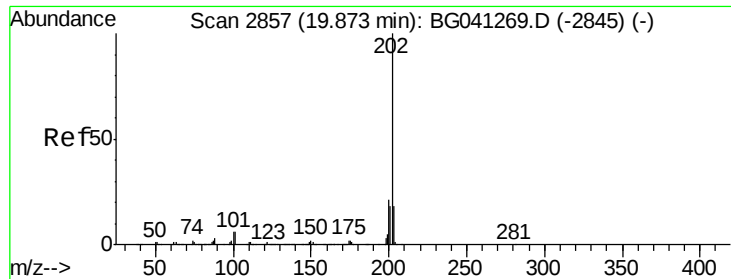


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 20.716 ng

RT: 19.87 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

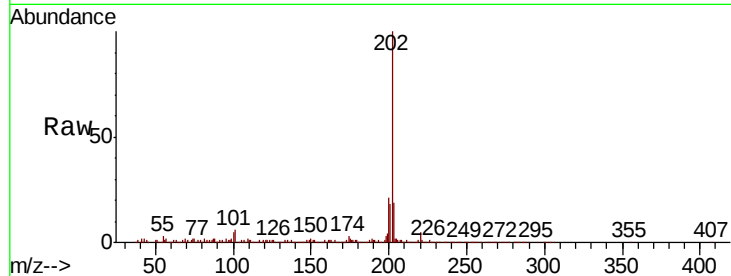
Tot Ion:202 Resp: 327185

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

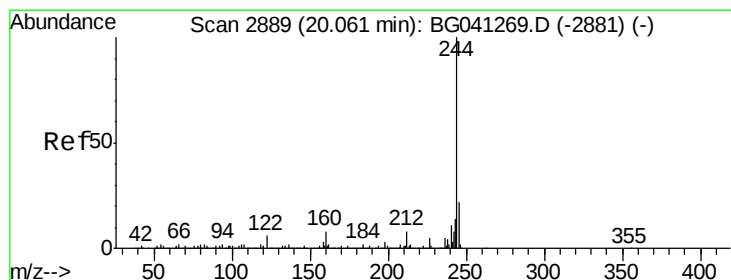
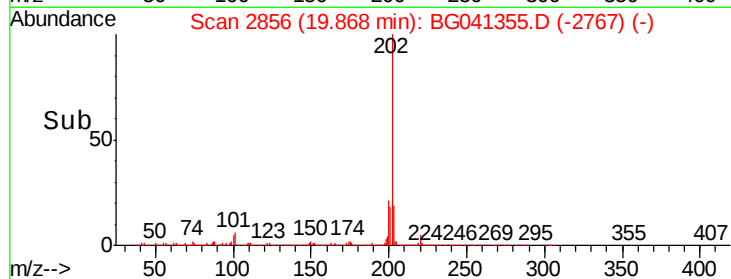
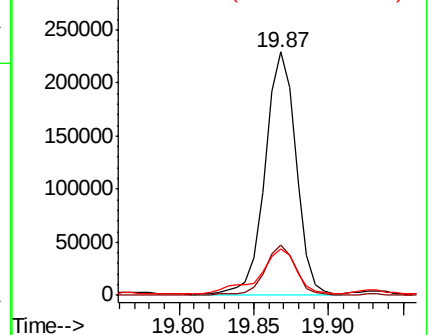
203 18.9 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 41.151 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

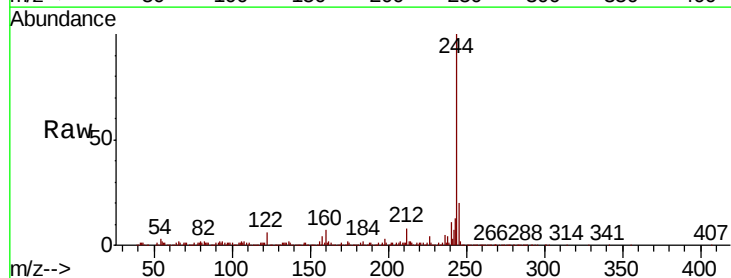
Tgt Ion:244 Resp: 486281

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

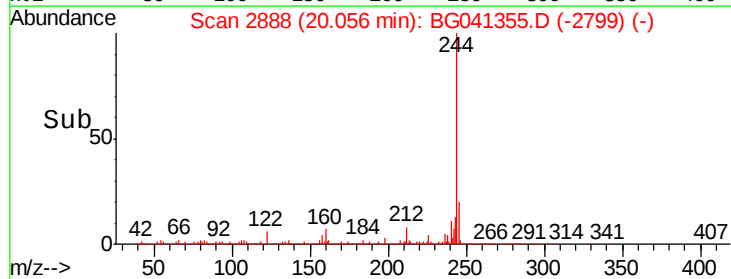
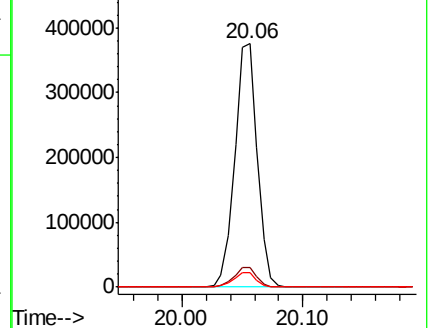
122 5.8 5.0 7.4

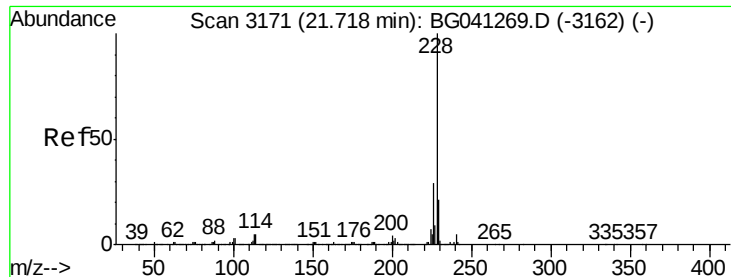


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 11.839 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampled :

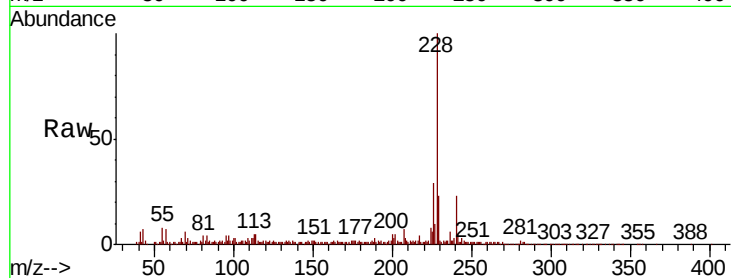
Tot Ion:228 Resp: 187728

Ion Ratio Lower Upper

228 100

226 28.6 23.2 34.8

229 23.4 16.8 25.2

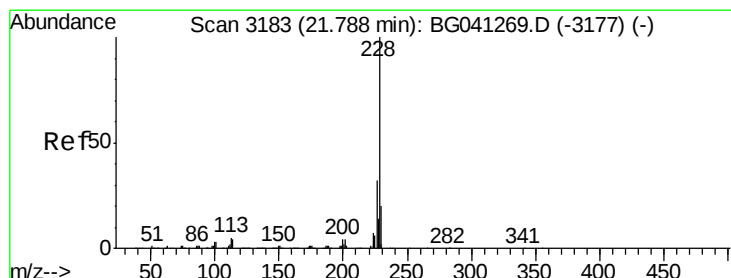
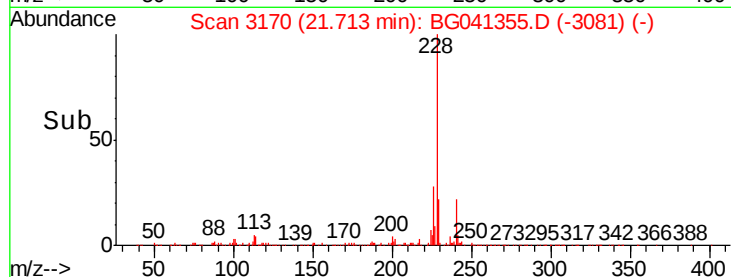
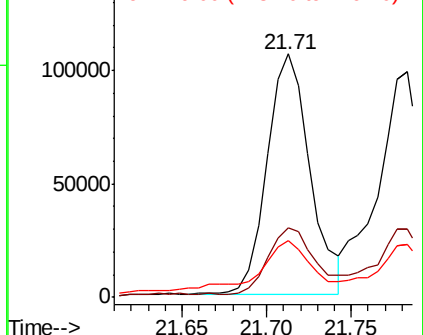


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 12.048 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

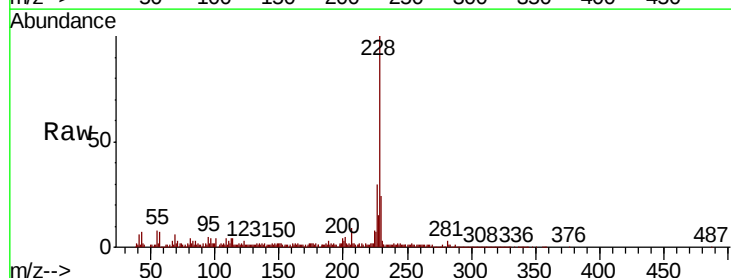
Tgt Ion:228 Resp: 183711

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

229 23.8 16.2 24.2

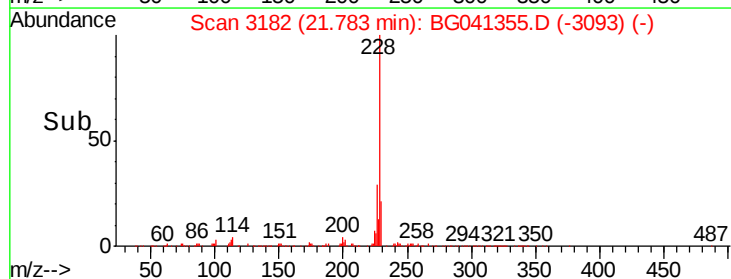
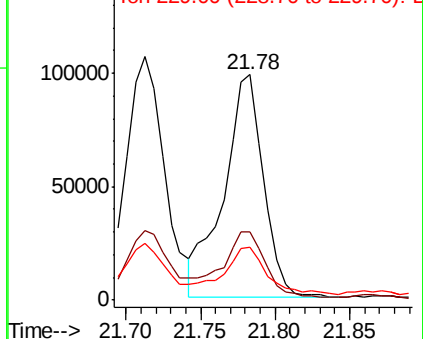


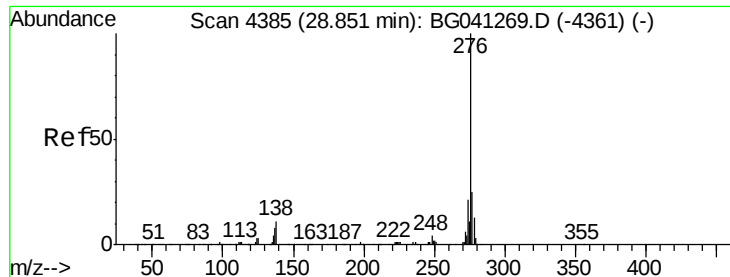
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.772 ng

RT: 28.85 min Scan# 4385

Delta R.T. 0.00 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

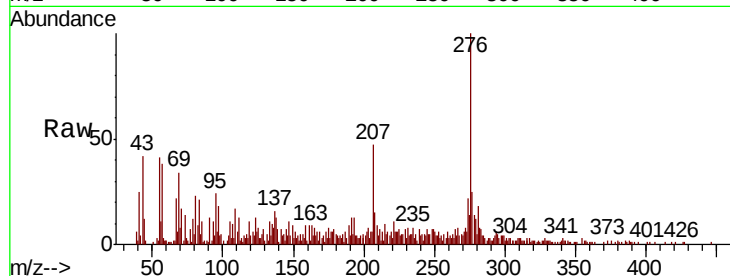
Tot Ion:276 Resp: 86336

Ion Ratio Lower Upper

276 100

138 8.8 7.7 11.5

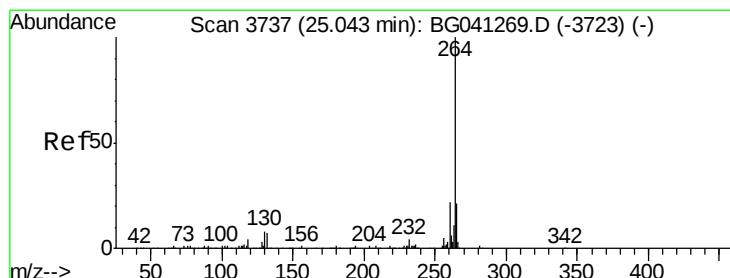
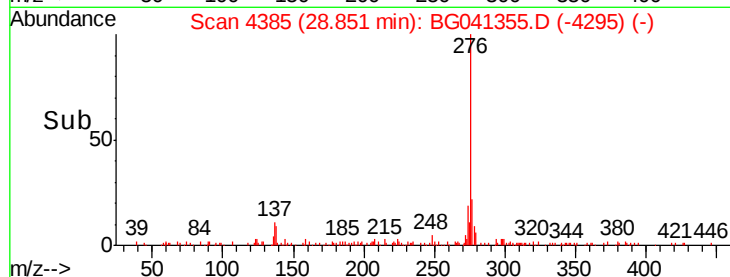
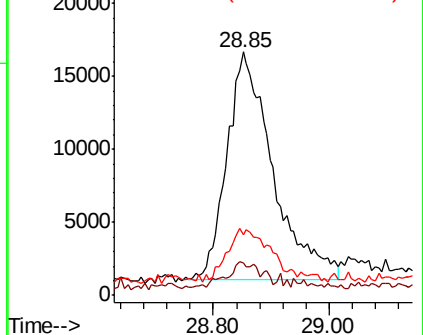
277 20.0 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

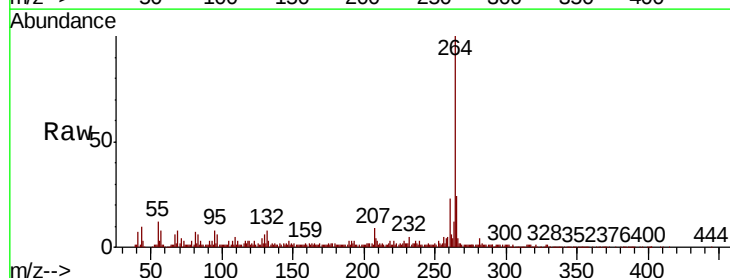
Tgt Ion:264 Resp: 251302

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.2

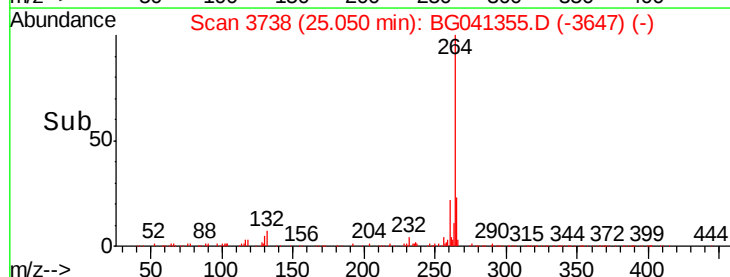
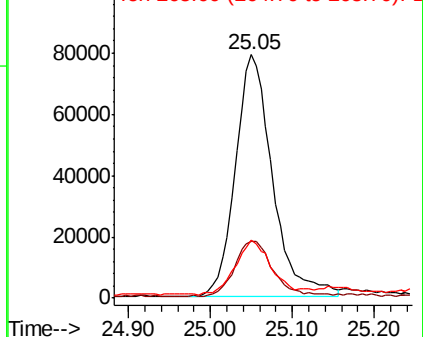
265 23.7 17.2 25.8

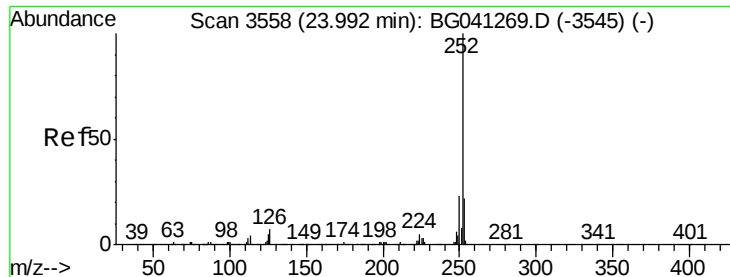


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 14.349 ng

RT: 23.99 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BG041355.D

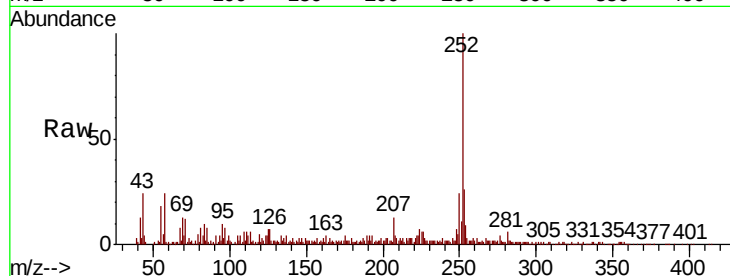
Acq: 20 Jun 2019 13:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	223474
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.4	26.0
125	7.0	3.9	5.9#

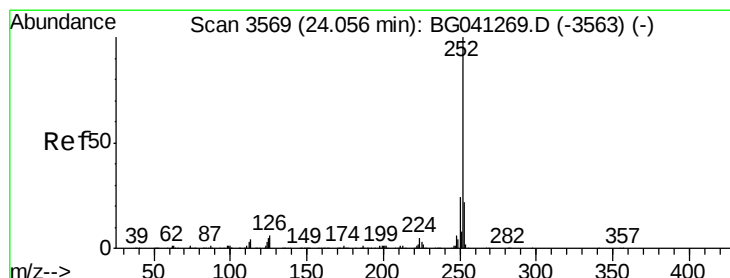
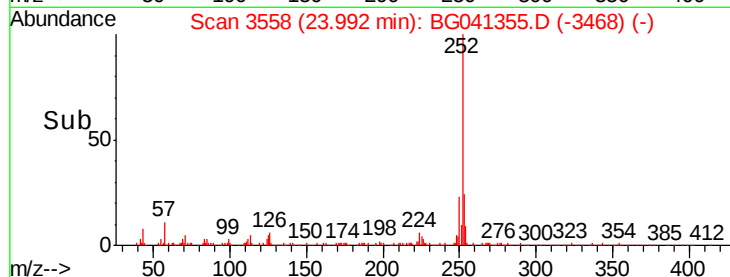
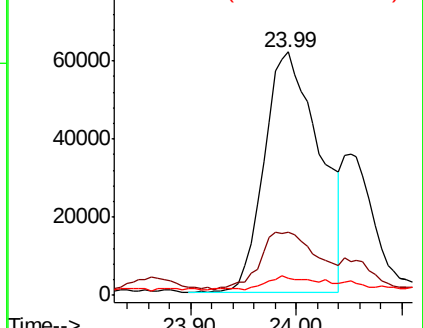


Abundance

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: 14.485 ng

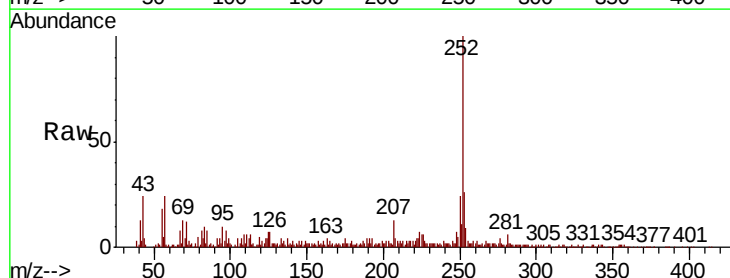
RT: 23.99 min Scan# 3558

Delta R.T. -0.06 min

Lab File: BG041355.D

Acq: 20 Jun 2019 13:55

Tgt Ion:	252	Resp:	223474
Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.0	27.0
125	7.0	4.3	6.5#

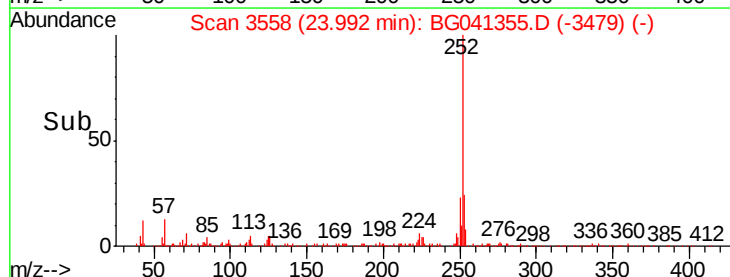
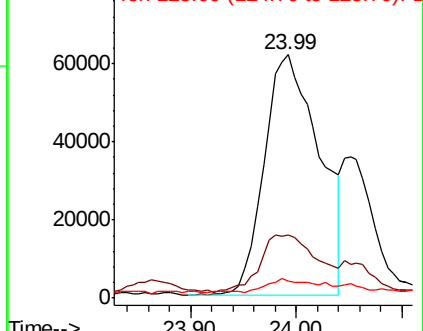


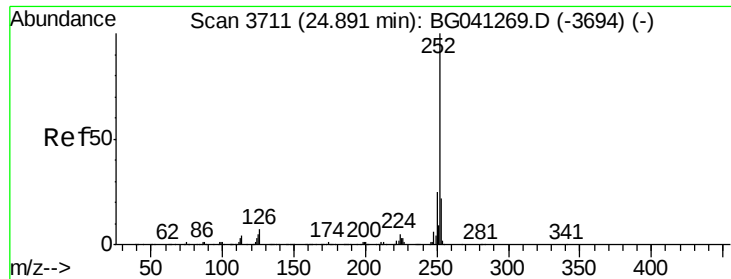
Abundance

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

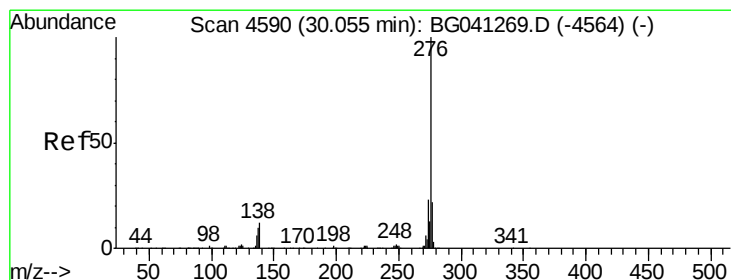
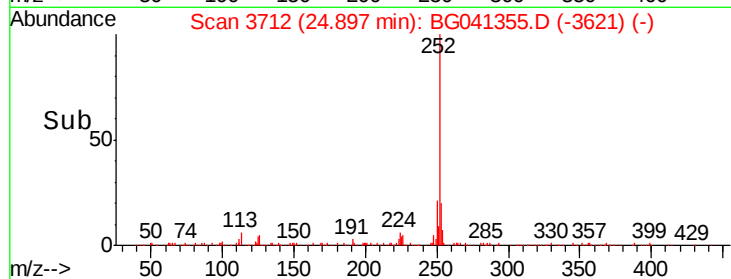
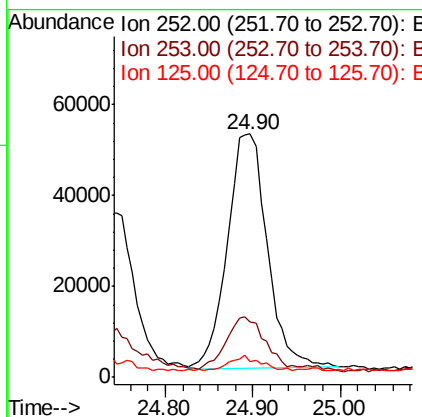
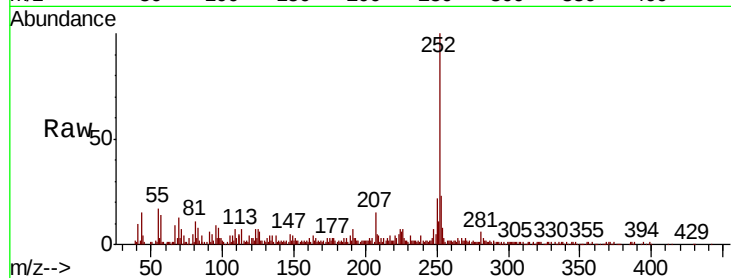




#90
Benzo(a)pyrene
Concen: 10.856 ng
RT: 24.90 min Scan# 3712
Delta R.T. 0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 159680
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 6.7 4.2 6.4#



#92
Benzo(g,h,i)perylene
Concen: 5.233 ng
RT: 30.07 min Scan# 4592
Delta R.T. 0.01 min
Lab File: BG041355.D
Acq: 20 Jun 2019 13:55

Tgt Ion:276 Resp: 76580
Ion Ratio Lower Upper
276 100
277 25.4 17.9 26.9
138 16.1 9.4 14.0#

