

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041369.D
 Acq On : 20 Jun 2019 22:48
 Operator : HP/JU
 Sample : K3419-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 01:35:17 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	44522	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	172697	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	117326	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	254792	20.00	ng	0.00
76) Chrysene-d12	21.74	240	234023	20.00	ng	0.00
87) Perylene-d12	25.07	264	161894	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	321939	132.86	ng	0.00
7) Phenol-d6	7.24	99	482641	137.42	ng	0.00
23) Nitrobenzene-d5	9.26	82	356130	86.73	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	230040	127.71	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	718934	83.28	ng	0.00
79) Terphenyl-d14	20.06	244	814856	69.01	ng	0.00

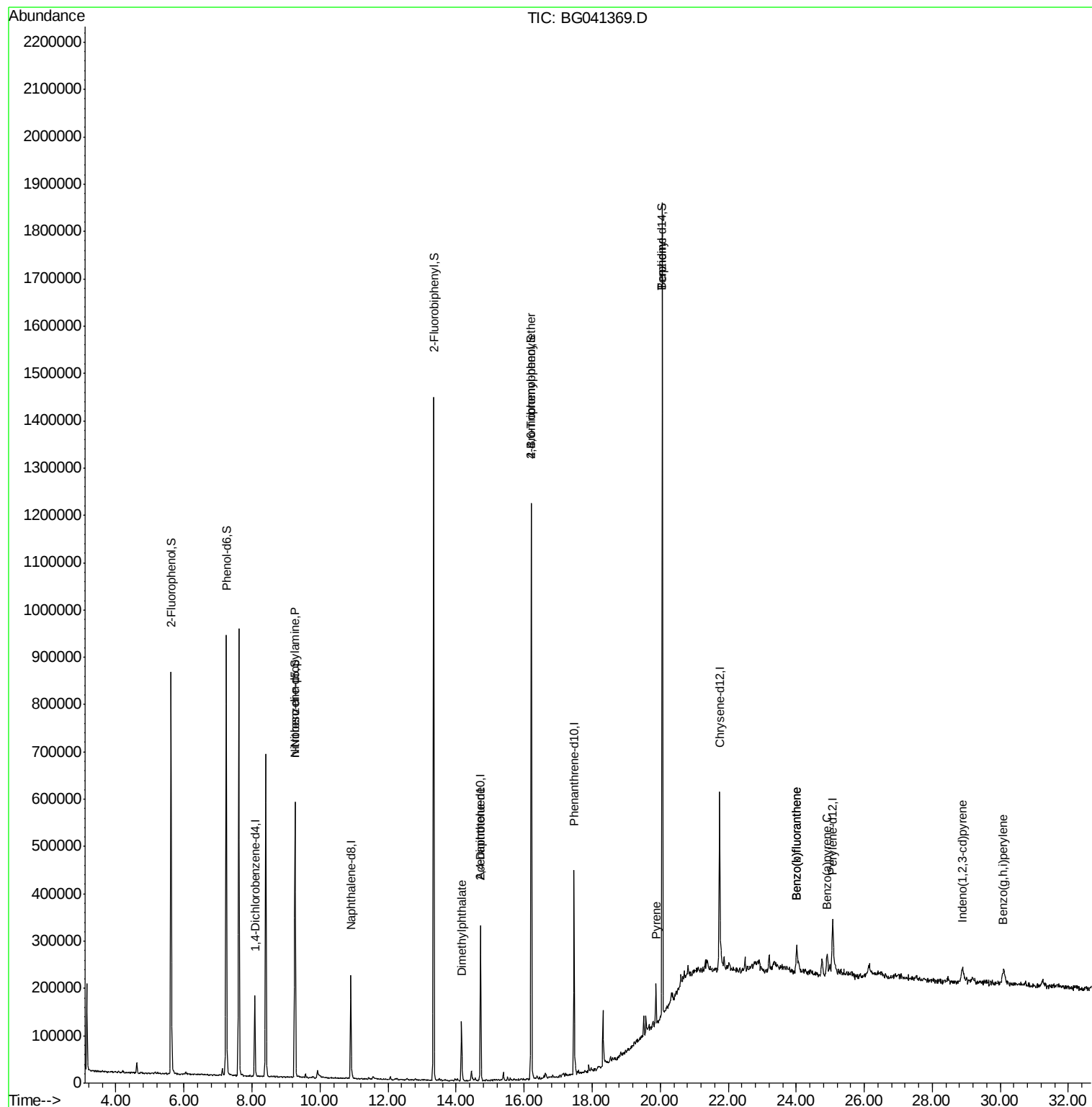
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.26	70	52430	18.457	ng	# 79
50) Dimethylphthalate	14.16	163	81433	7.801	ng	# 98
57) 2,4-Dinitrotoluene	14.72	165	14632	4.547	ng	# 21
67) 4-Bromophenyl-phenylether	16.21	248	17016	5.165	ng	# 1
77) Benzidine	20.06	184	14775	2.610	ng	# 98
78) Pyrene	19.87	202	58371	3.698	ng	# 98
86) Indeno(1,2,3-cd)pyrene	28.89	276	54134	2.994	ng	# 89
88) Benzo(b)fluoranthene	24.02	252	58380	5.819	ng	# 91
89) Benzo(k)fluoranthene	24.02	252	58380	5.874	ng	# 93
90) Benzo(a)pyrene	24.92	252	48936	5.164	ng	# 90
92) Benzo(a,h,i)perylene	30.09	276	80177	8.505	ng	# 98

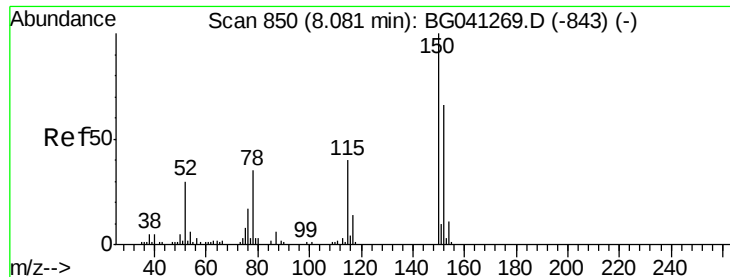
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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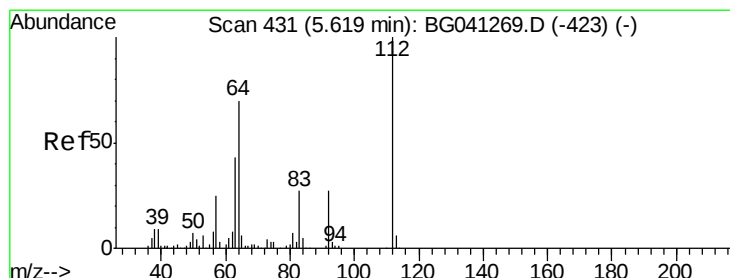
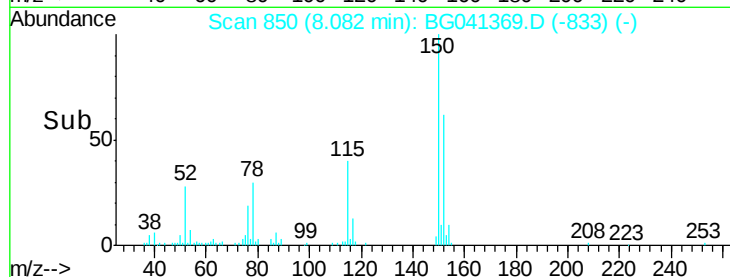
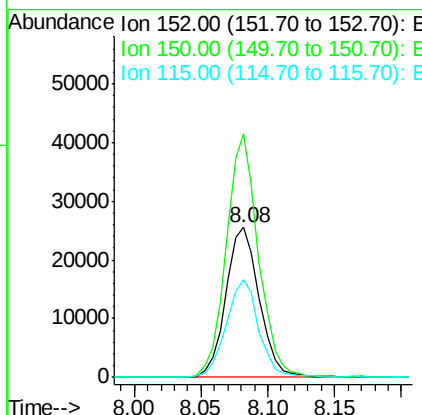
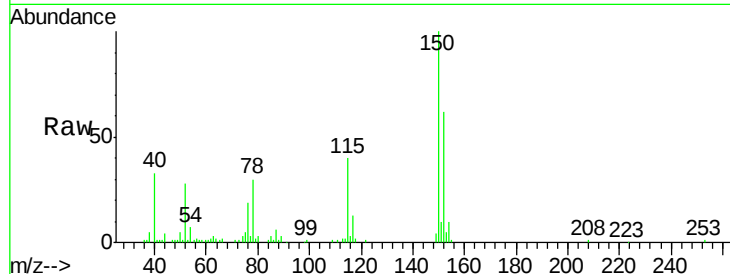


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Instrument :
BNA_G
ClientSampled :

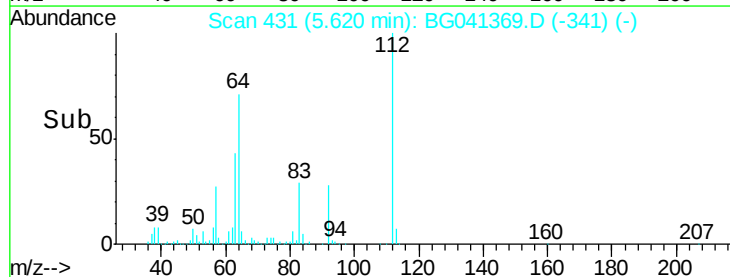
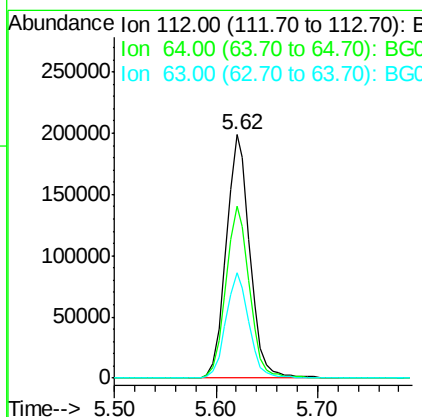
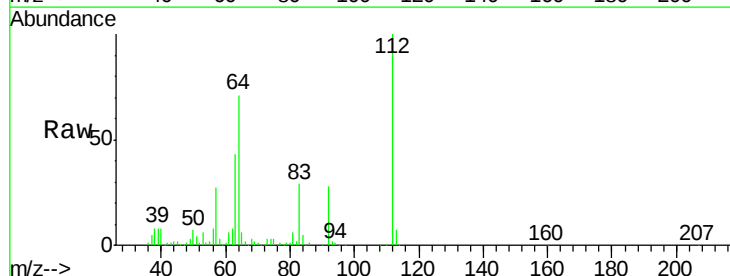
Tot Ion:152 Resp: 44522
Ion Ratio Lower Upper
152 100
150 162.2 120.6 181.0
115 64.9 47.9 71.9

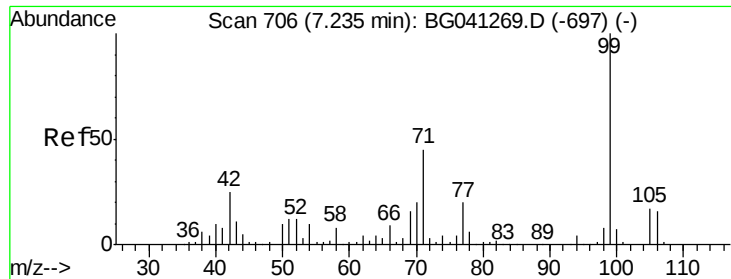


#5

2-Fluorophenol
Concen: 132.864 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion:112 Resp: 321939
Ion Ratio Lower Upper
112 100
64 70.8 55.9 83.9
63 43.4 34.6 51.8





#7

Phenol-d6

Concen: 137.415 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Instrument :

BNA_G

ClientSampleId :

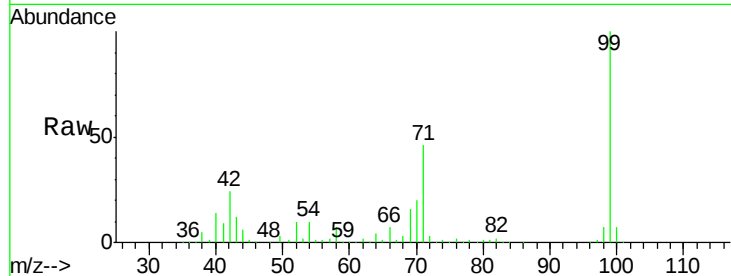
Tot Ion: 99 Resp: 482641

Ion Ratio Lower Upper

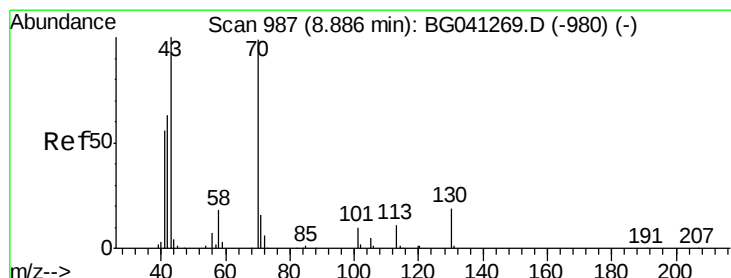
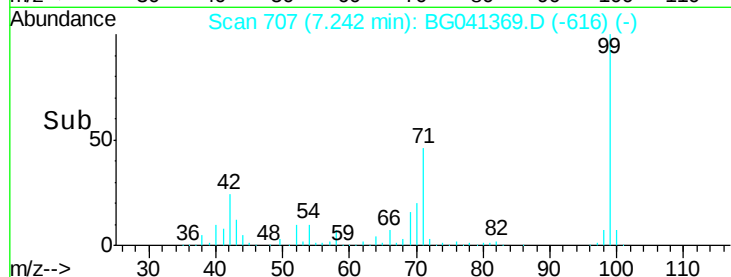
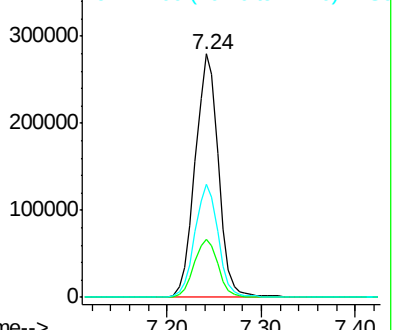
99 100

42 24.0 19.9 29.9

71 46.4 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: 18.457 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Tgt Ion: 70 Resp: 52430

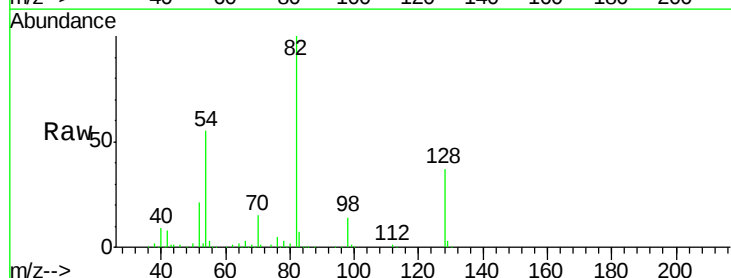
Ion Ratio Lower Upper

70 100

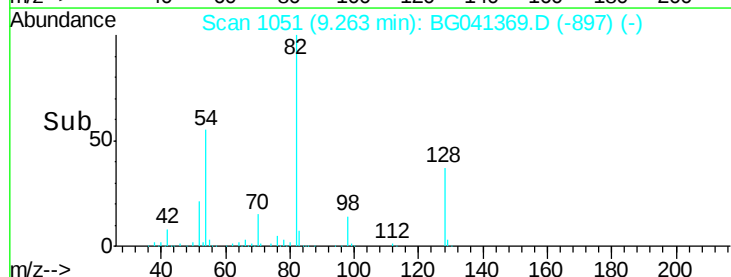
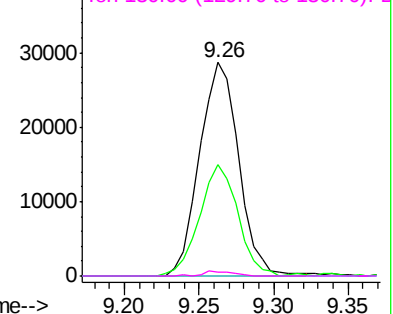
42 52.1 51.4 77.2

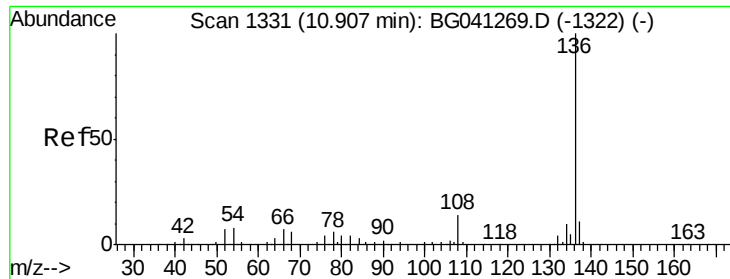
101 0.0 8.2 12.2#

130 1.9 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

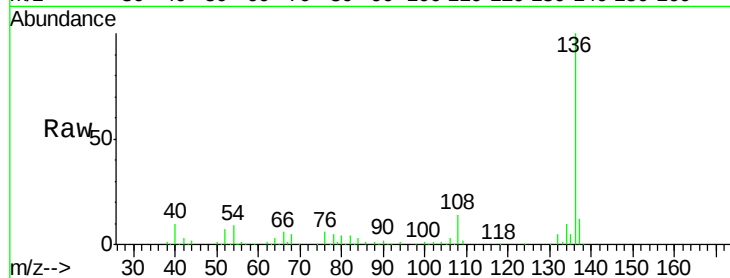




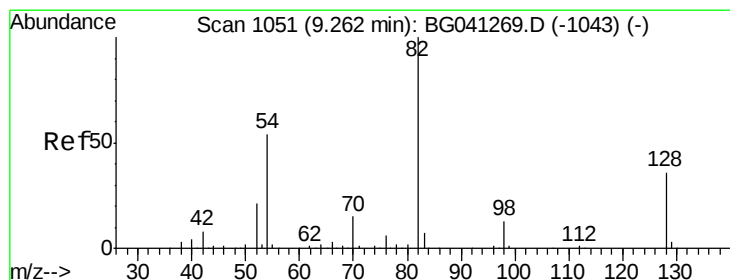
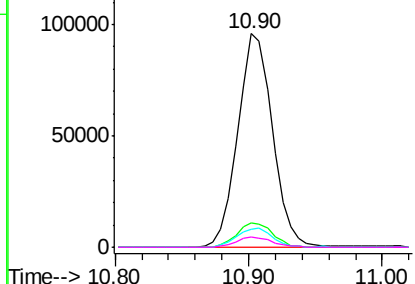
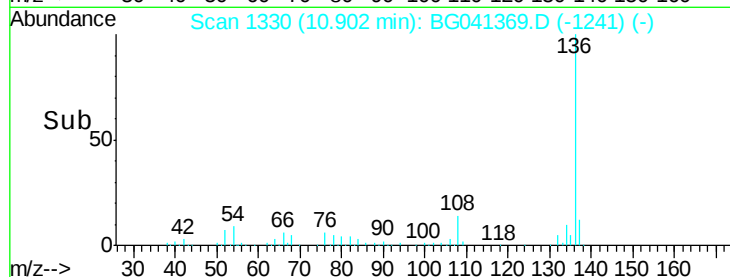
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	172697
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.8 13.2
54	8.6	6.4 9.6
68	4.8	4.8 7.2

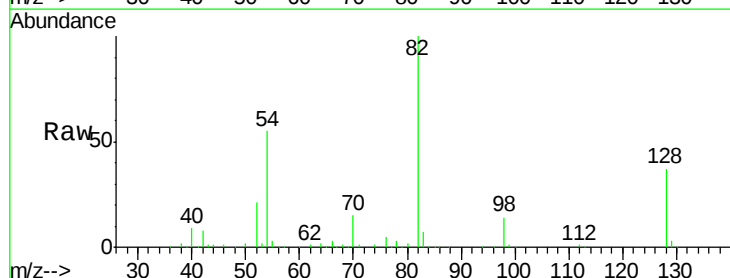


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

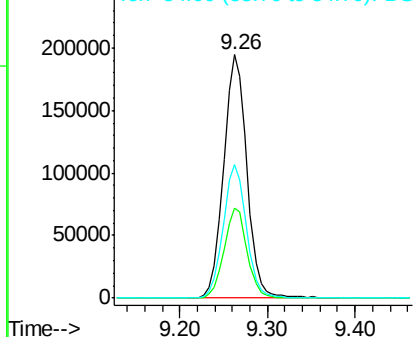
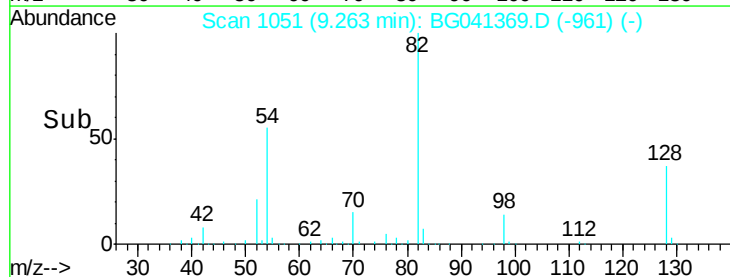


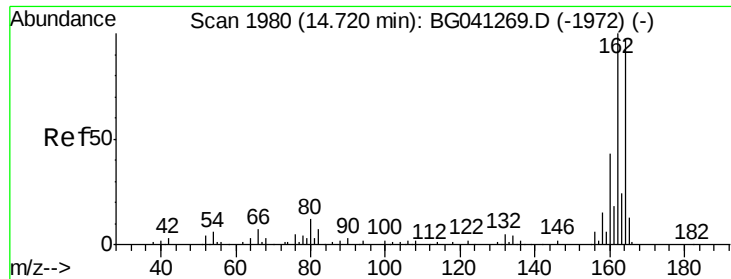
#23
Nitrobenzene-d5
Concen: 86.727 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion: 82	Resp:	356130
Ion Ratio	Lower	Upper
82	100	
128	37.1	29.2 43.8
54	55.0	43.4 65.0



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

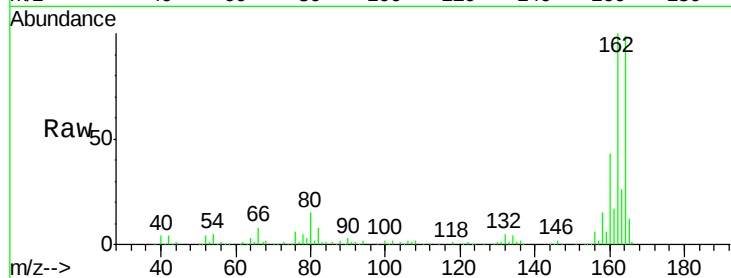




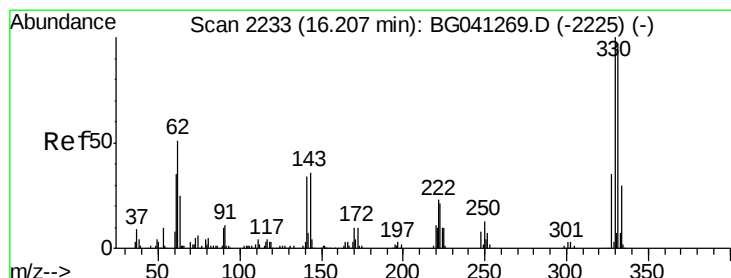
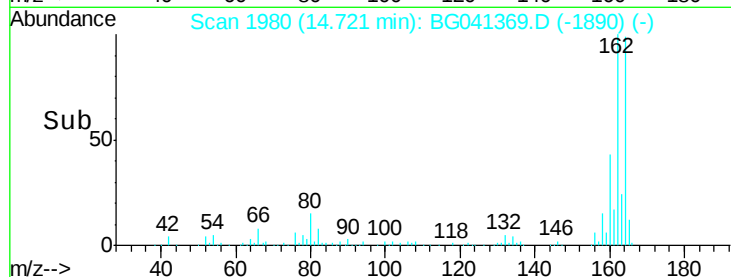
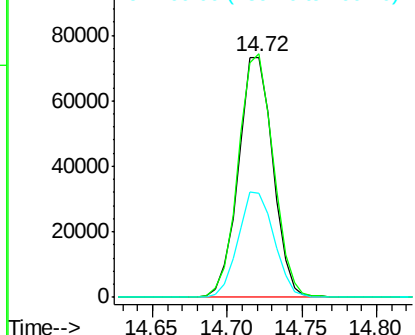
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 117326
Ion Ratio Lower Upper
164 100
162 101.4 82.8 124.2
160 43.3 35.8 53.8

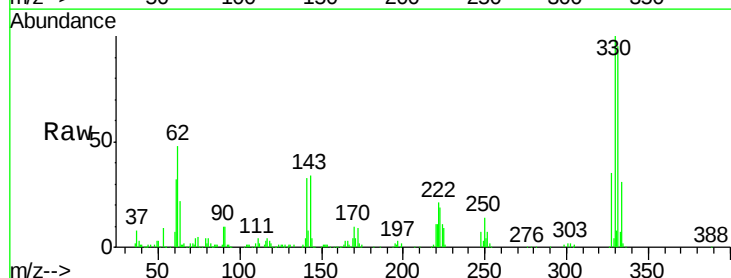


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

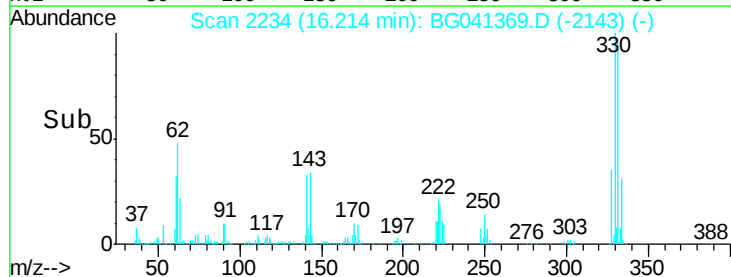
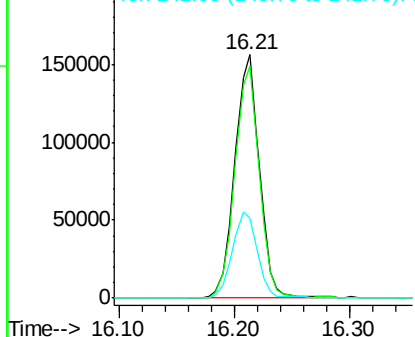


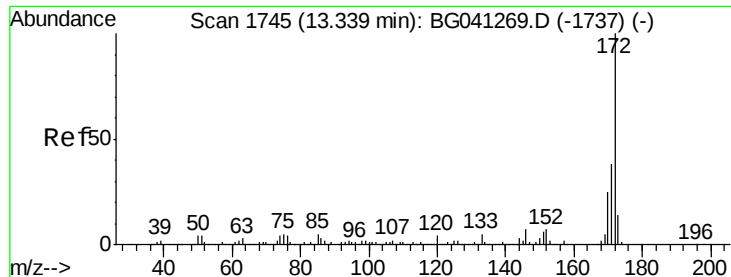
#42
2,4,6-Tribromophenol
Concen: 127.714 ng
RT: 16.21 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion:330 Resp: 230040
Ion Ratio Lower Upper
330 100
332 94.7 75.5 113.3
141 36.2 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

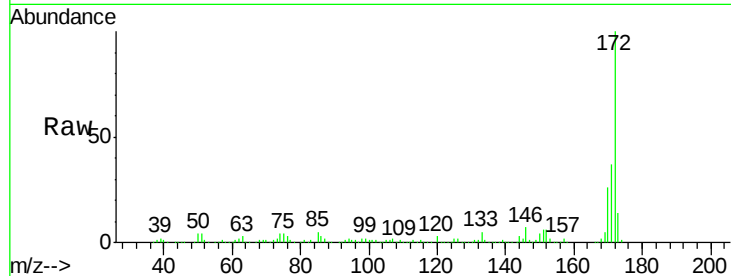




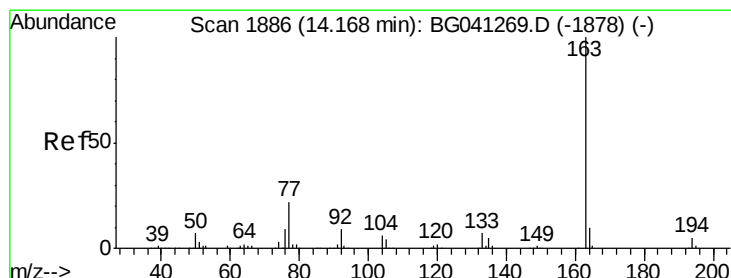
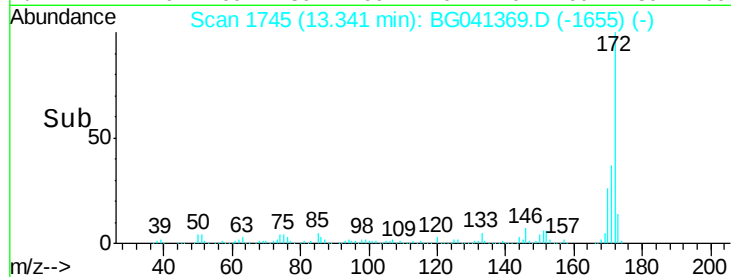
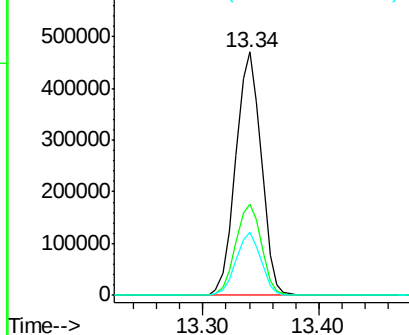
#45
2-Fluorobiphenyl
Concen: 83.284 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 718934
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 25.9 19.8 29.6

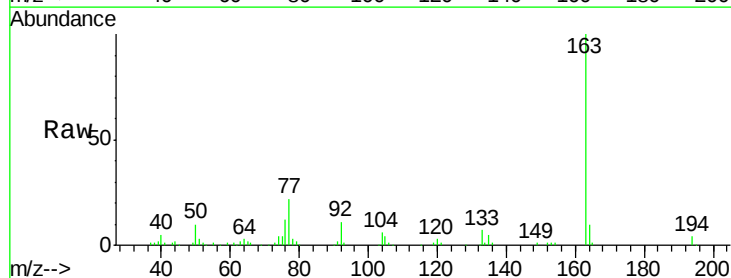


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

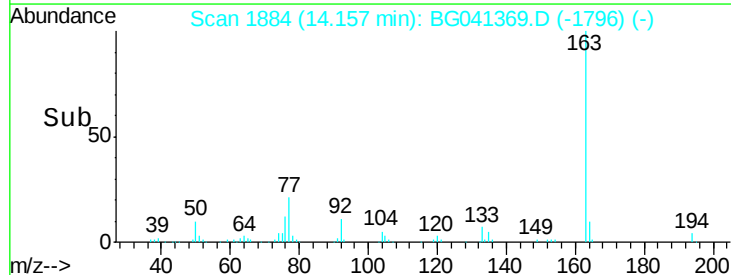
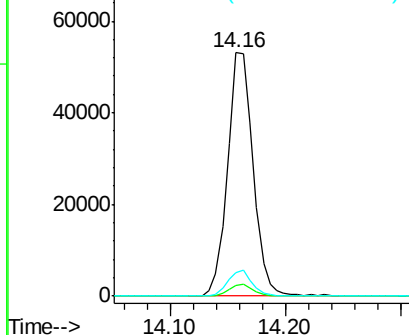


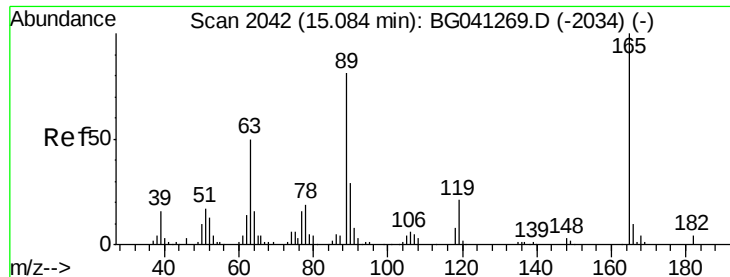
#50
Dimethylphthalate
Concen: 7.801 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion:163 Resp: 81433
Ion Ratio Lower Upper
163 100
194 4.2 3.9 5.9
164 9.7 8.3 12.5



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

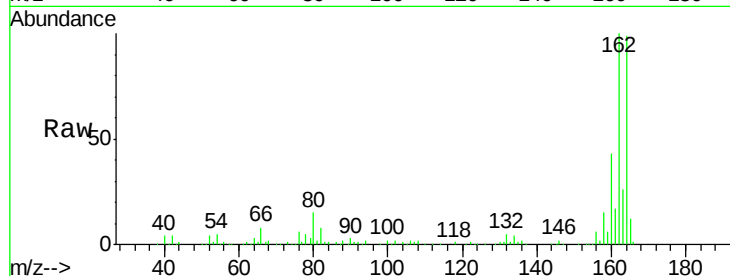




#57
 2,4-Dinitrotoluene
 Concen: 4.547 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.36 min
 Lab File: BG041369.D
 Acq: 20 Jun 2019 22:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	40.0	60.0#
89	3.1	64.6	96.8#
182	0.0	2.9	4.3#

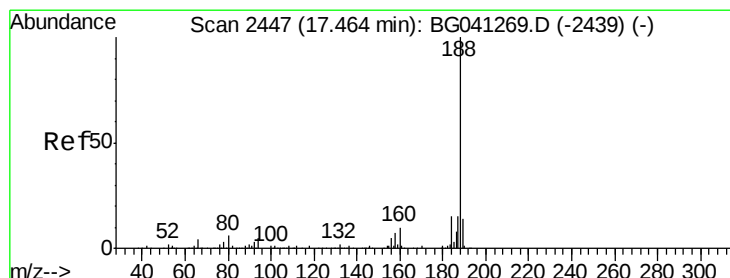
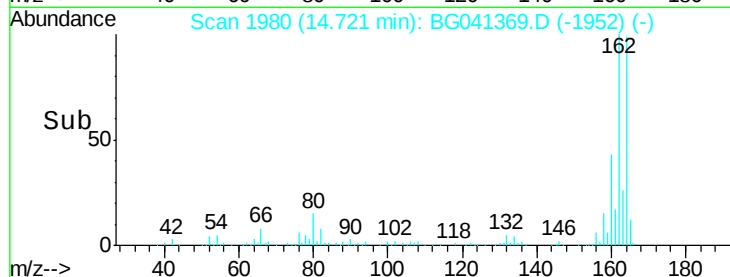
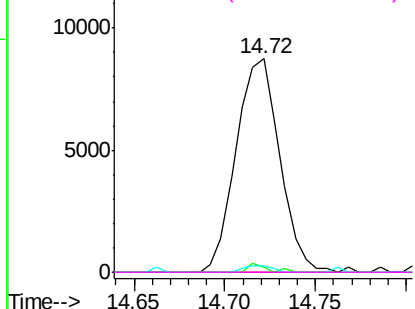


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

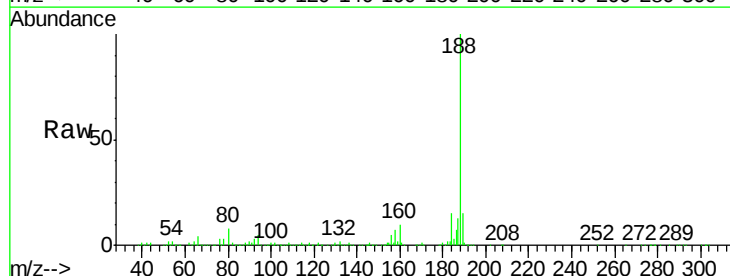
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BG041369.D
 Acq: 20 Jun 2019 22:48

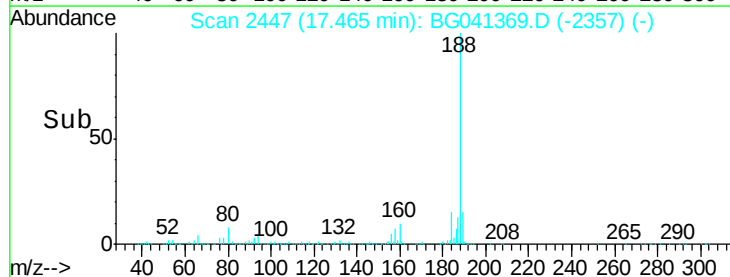
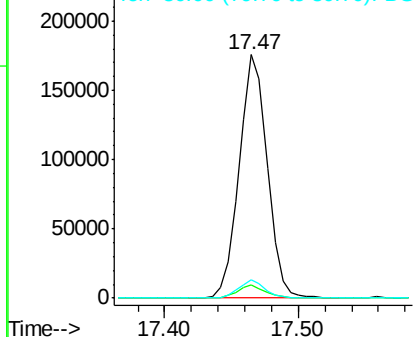
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.6	5.4
80	7.6	4.8	7.2#

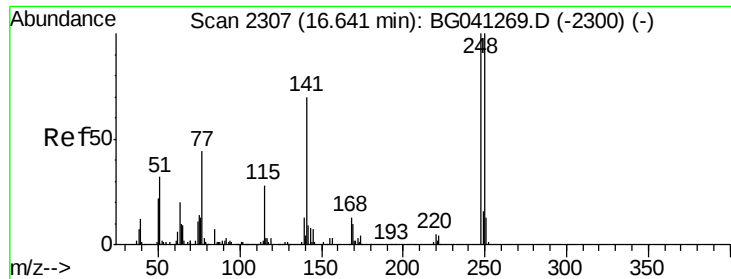


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

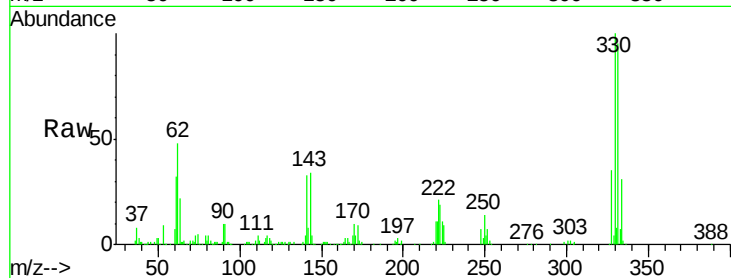




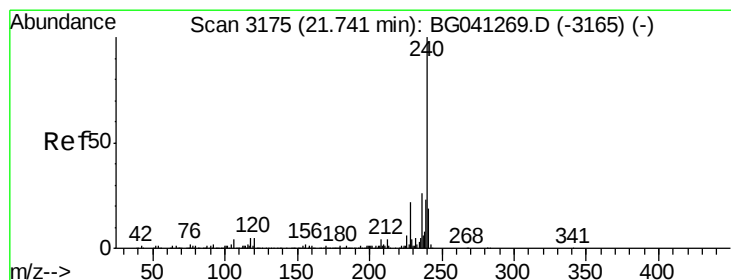
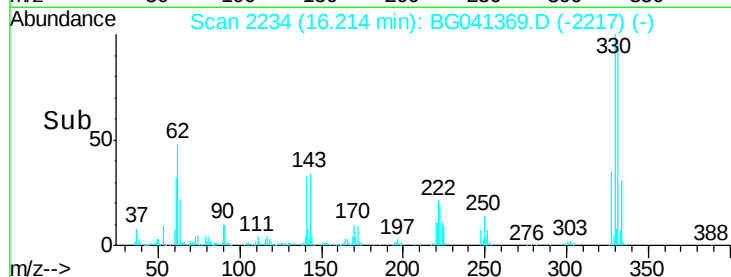
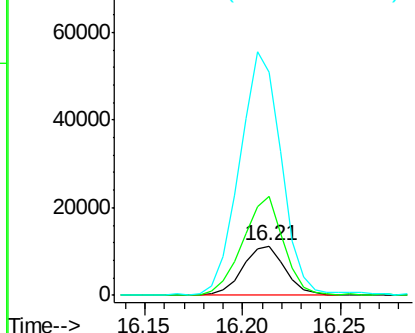
#67
4-Bromophenyl-phenylether
Concen: 5.165 ng
RT: 16.21 min Scan# 2234
Delta R.T. -0.43 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17016
Ion Ratio Lower Upper
248 100
250 199.3 79.8 119.8#
141 449.8 55.8 83.6#

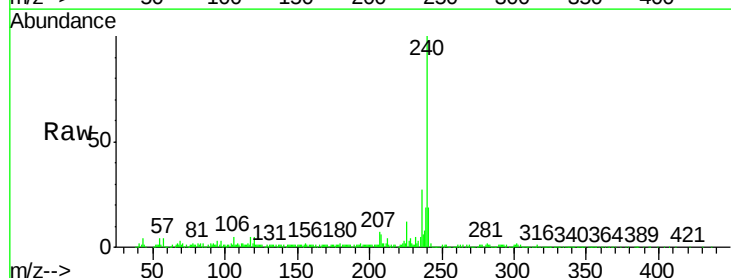


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

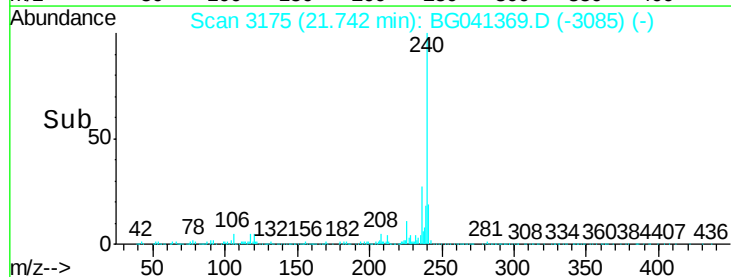
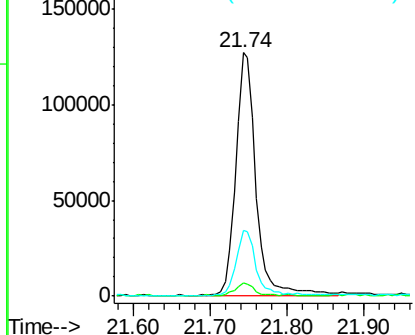


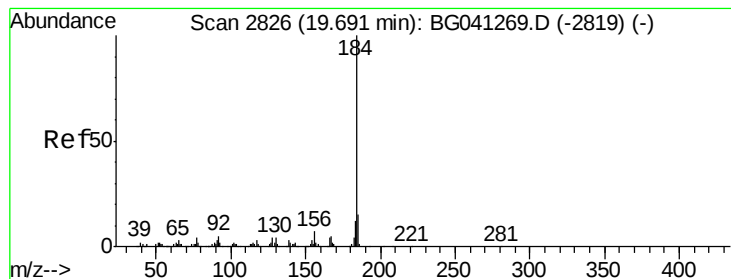
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion:240 Resp: 234023
Ion Ratio Lower Upper
240 100
120 5.5 3.7 5.5
236 26.9 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





#77

Benzidine

Concen: 2.610 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.37 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

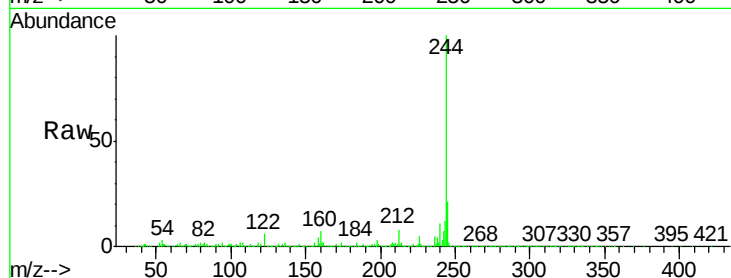
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 14775

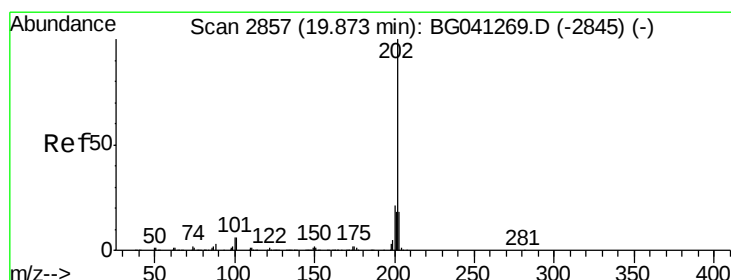
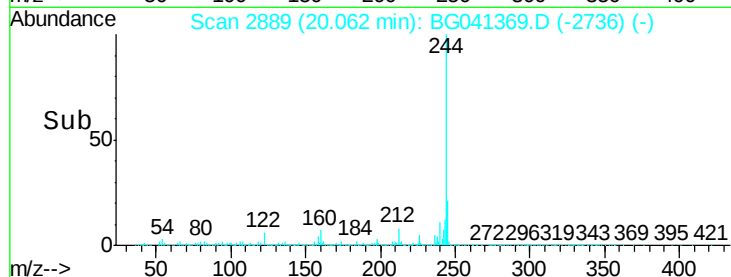
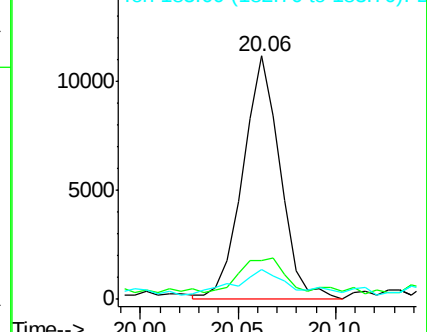
Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.2	18.2
183	12.4	9.6	14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.698 ng

RT: 19.87 min Scan# 2857

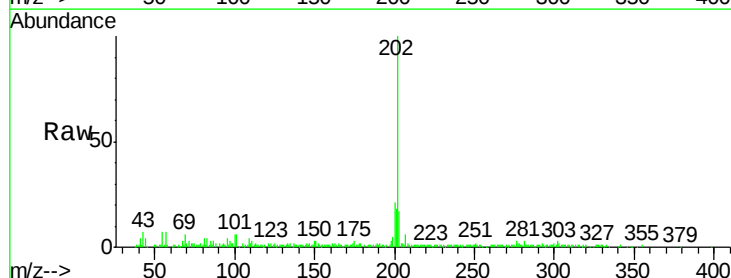
Delta R.T. 0.00 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Tgt Ion:202 Resp: 58371

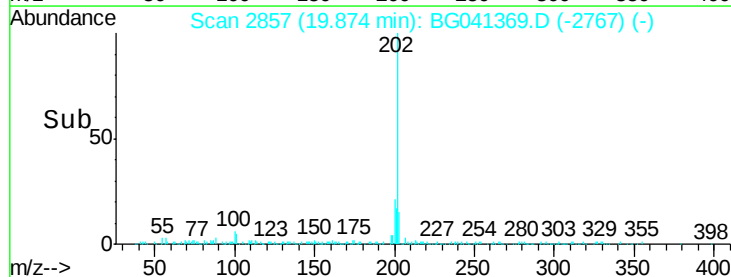
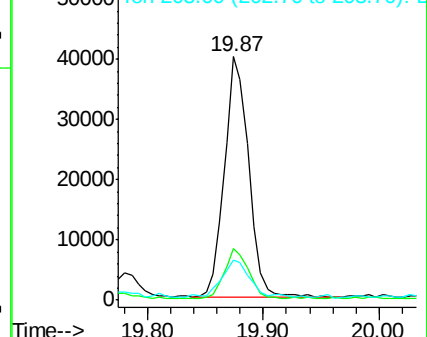
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	16.6	14.6	21.8

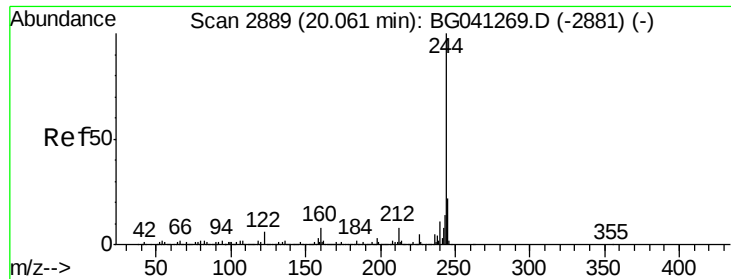


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 69.005 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Instrument :

BNA_G

ClientSampled :

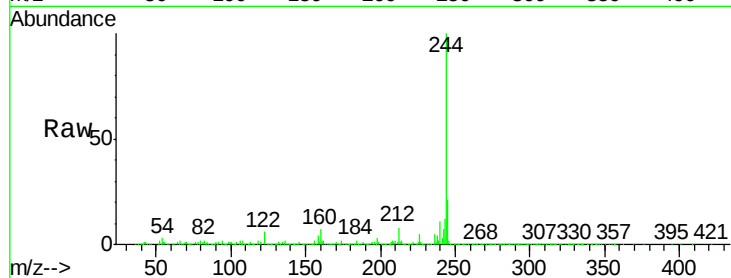
Tot Ion:244 Resp: 814856

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

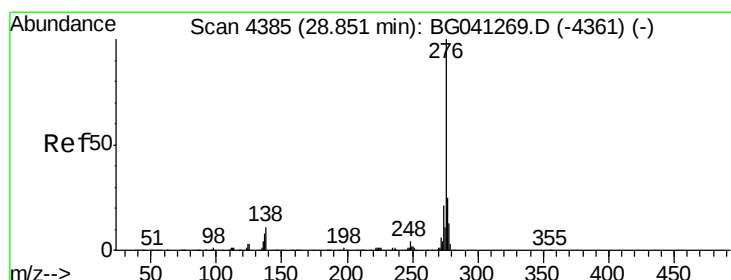
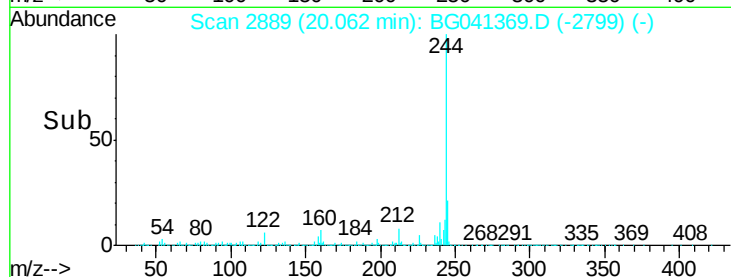
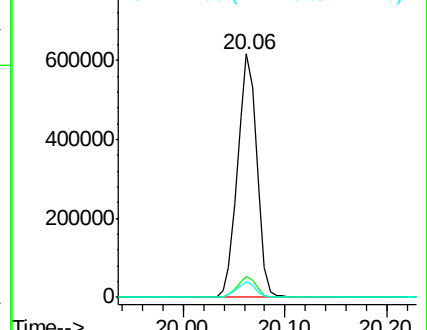
122 6.2 5.0 7.4



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.994 ng

RT: 28.89 min Scan# 4392

Delta R.T. 0.04 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

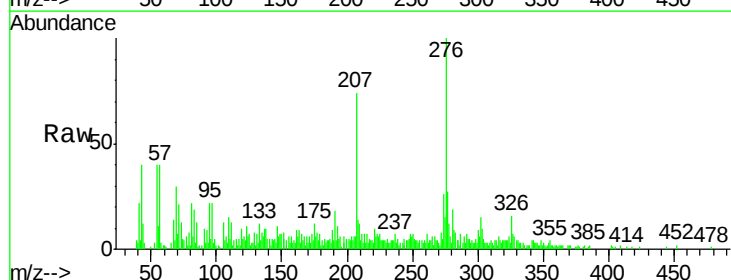
Tgt Ion:276 Resp: 54134

Ion Ratio Lower Upper

276 100

138 3.6 7.7 11.5#

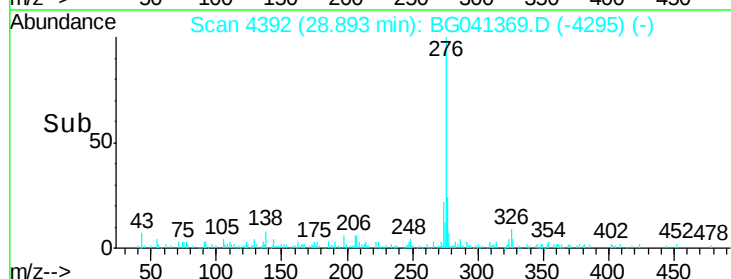
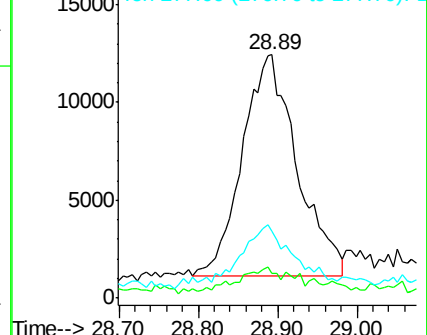
277 21.3 20.6 31.0

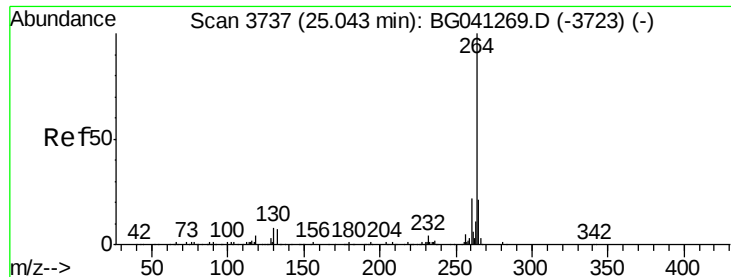


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3742

Delta R.T. 0.03 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Instrument :

BNA_G

ClientSampleId :

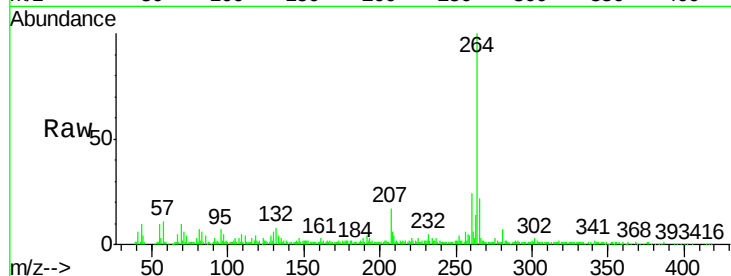
Tot Ion:264 Resp: 161894

Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.2
265	22.1	17.2	25.8

264 100

260 24.3 17.4 26.2

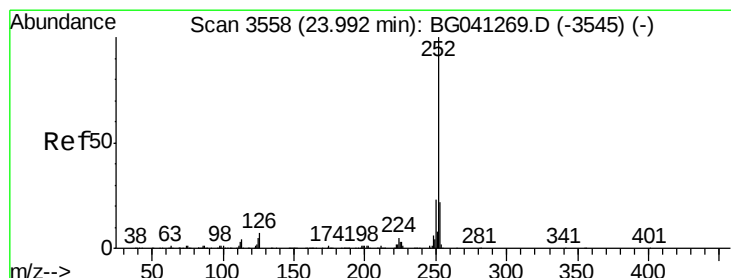
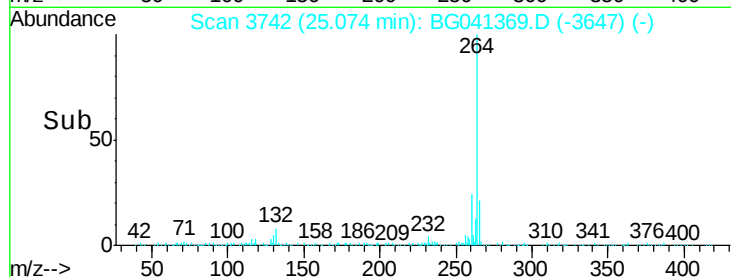
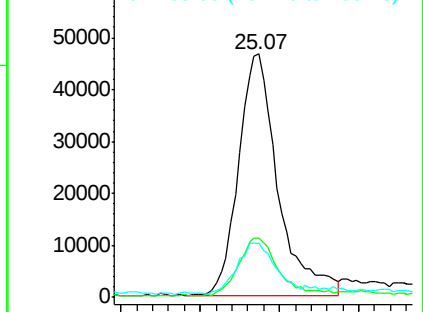
265 22.1 17.2 25.8



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: 5.819 ng

RT: 24.02 min Scan# 3562

Delta R.T. 0.02 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

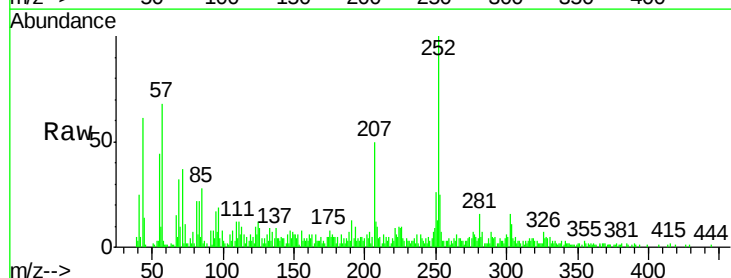
Tgt Ion:252 Resp: 58380

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	12.2	3.9	5.9

252 100

253 24.6 17.4 26.0

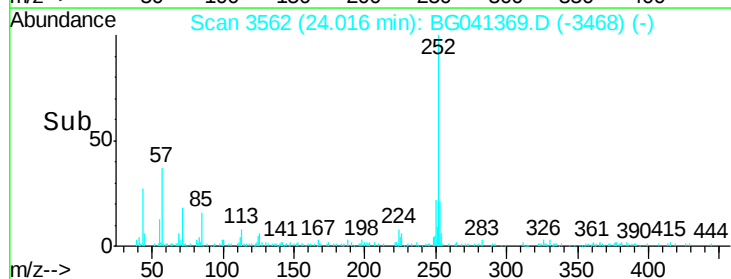
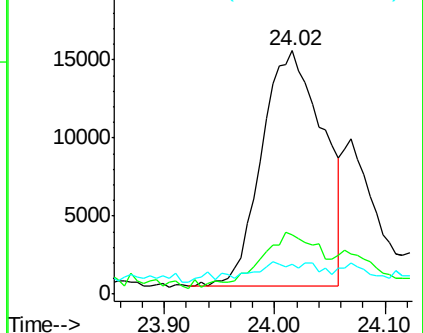
125 12.2 3.9 5.9

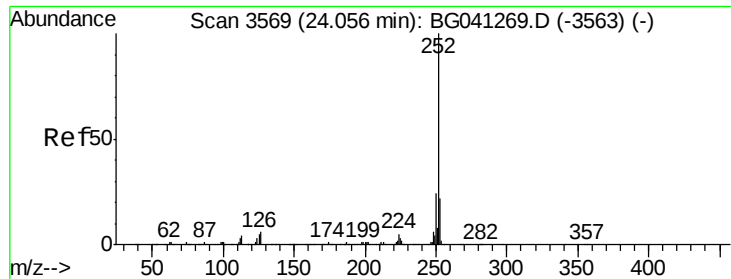


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

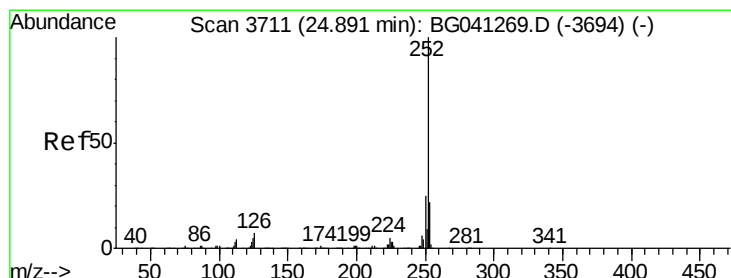
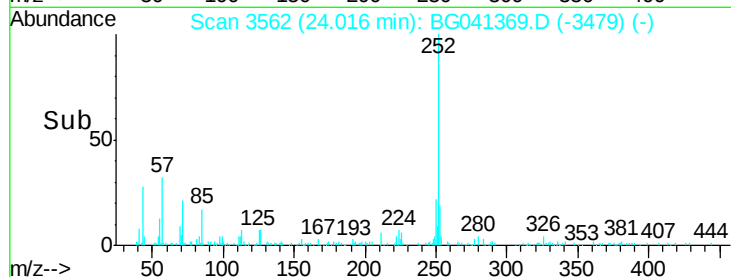
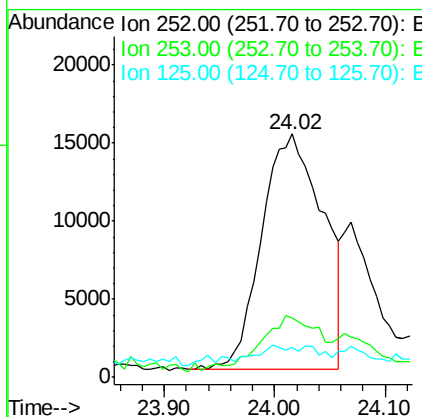
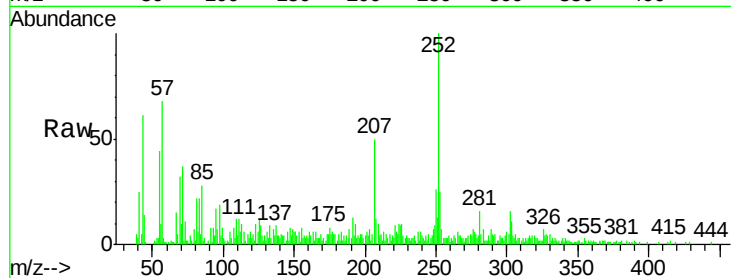




#89
Benzo(k)fluoranthene
Concen: 5.874 ng
RT: 24.02 min Scan# 3562
Delta R.T. -0.04 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

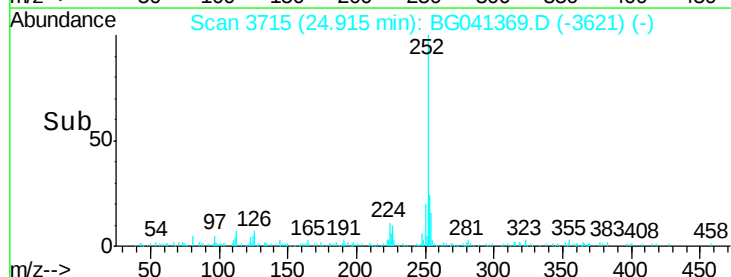
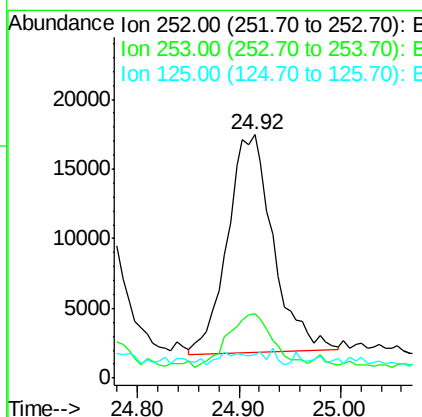
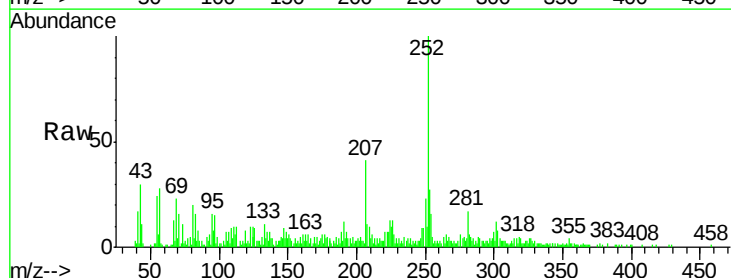
Instrument :
BNA_G
ClientSampleId :

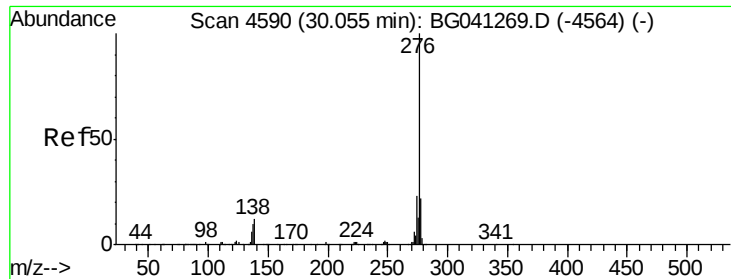
Tot Ion:252 Resp: 58380
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 12.2 4.3 6.5#



#90
Benzo(a)pyrene
Concen: 5.164 ng
RT: 24.92 min Scan# 3715
Delta R.T. 0.02 min
Lab File: BG041369.D
Acq: 20 Jun 2019 22:48

Tgt Ion:252 Resp: 48936
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.6#
125 9.7 4.2 6.4#





#92

Benzo(a,h,i)perylene

Concen: 8.505 ng

RT: 30.09 min Scan# 4596

Delta R.T. 0.04 min

Lab File: BG041369.D

Acq: 20 Jun 2019 22:48

Instrument :

BNA_G

ClientSampleId :

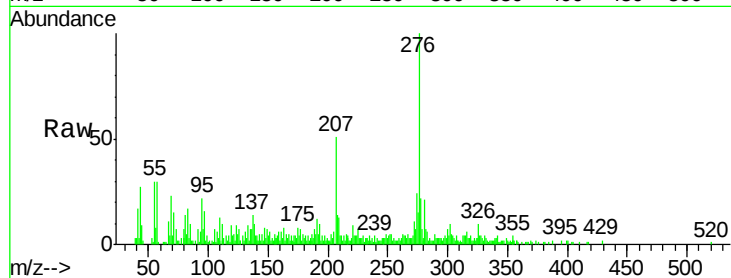
Tot Ion:276 Resp: 80177

Ion Ratio Lower Upper

276 100

277 22.2 17.9 26.9

138 10.2 9.4 14.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

