

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042369.D
 Acq On : 20 Aug 2019 22:31
 Operator : HP/JU
 Sample : K4388-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:31:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	78394	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	301111	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	206896	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	403435	20.00	ng	0.00
76) Chrysene-d12	21.69	240	409437	20.00	ng	0.00
87) Perylene-d12	24.94	264	483856	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	347327	89.77	ng	0.00
7) Phenol-d6	7.17	99	491192	93.47	ng	0.00
23) Nitrobenzene-d5	9.17	82	277813	64.89	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	250393	88.86	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	735858	60.18	ng	0.00
79) Terphenyl-d14	20.03	244	1022524	54.70	ng	0.00

Target Compounds

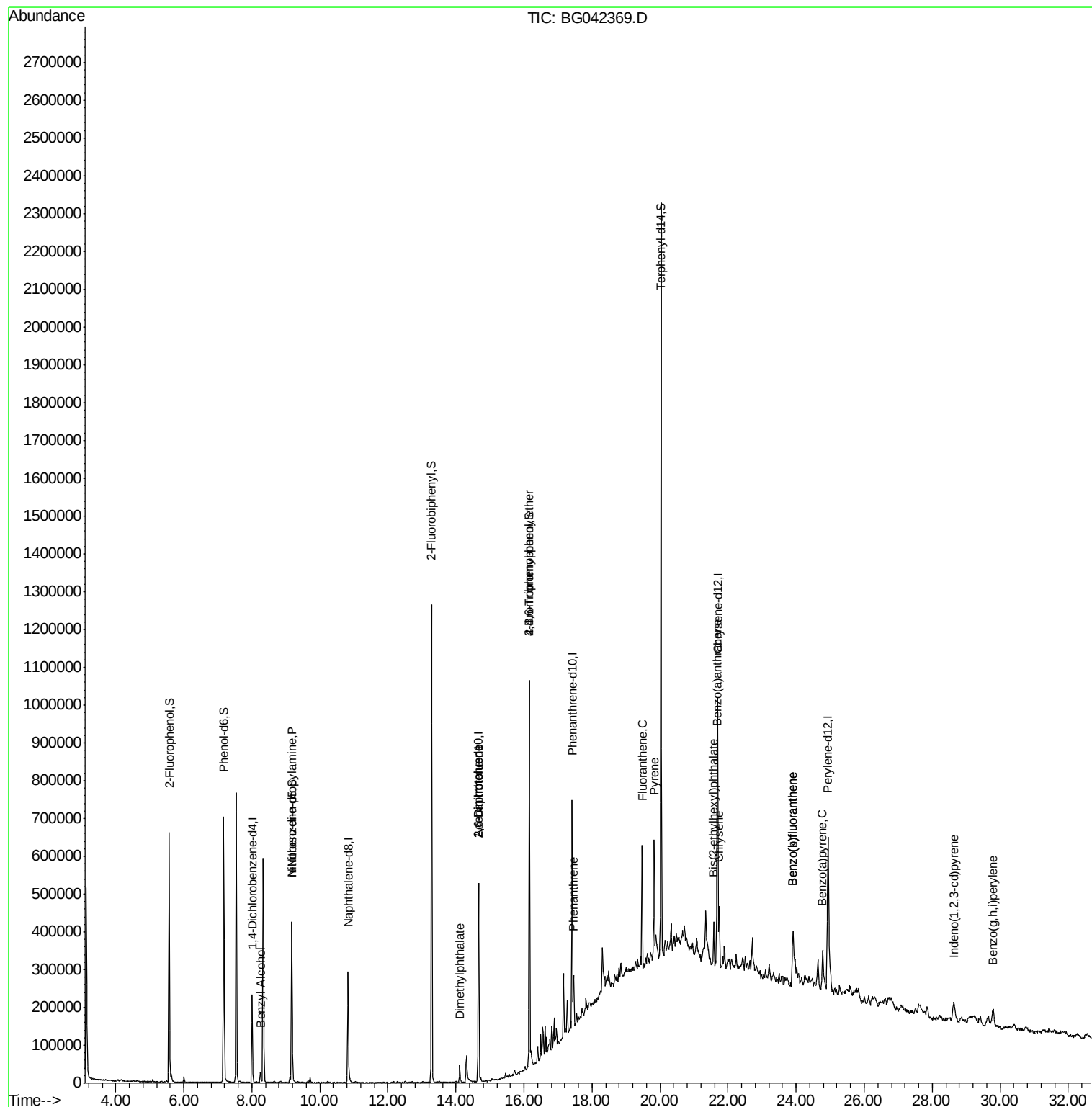
						Qvalue
15) Benzyl Alcohol	8.25	79	11469	3.173	ng	99
19) n-Nitroso-di-n-propylamine	9.17	70	36245	10.724	ng	# 74
50) Dimethylphthalate	14.11	163	39487	2.686	ng	98
51) 2,6-Dinitrotoluene	14.66	165	27631	8.030	ng	# 40
57) 2,4-Dinitrotoluene	14.66	165	27631	5.744	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	17379	3.385	ng	# 1
71) Phenanthrene	17.46	178	91100	4.534	ng	99
75) Fluoranthene	19.47	202	218477	9.017	ng	99
78) Pyrene	19.83	202	204740	8.127	ng	97
81) Benzo(a)anthracene	21.68	228	121348	4.826	ng	98
83) Chrysene	21.74	228	120464	5.008	ng	96
84) Bis(2-ethylhexyl)phthalate	21.58	149	55354	3.976	ng	97
86) Indeno(1,2,3-cd)pyrene	28.63	276	88930	2.769	ng	# 93
88) Benzo(b)fluoranthene	23.91	252	179730	6.758	ng	# 95
89) Benzo(k)fluoranthene	23.91	252	179730	6.913	ng	# 95
90) Benzo(a)pyrene	24.78	252	121659	4.774	ng	# 94
92) Benzo(a,h,i)perylene	29.79	276	88649	3.499	ng	96

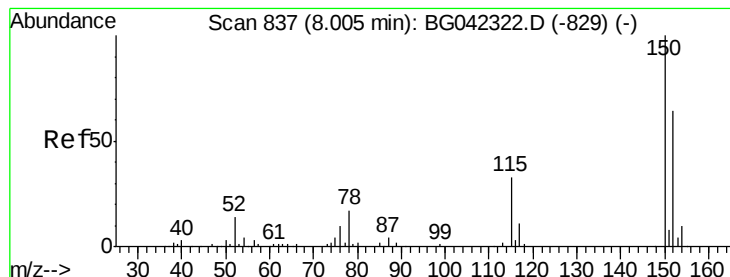
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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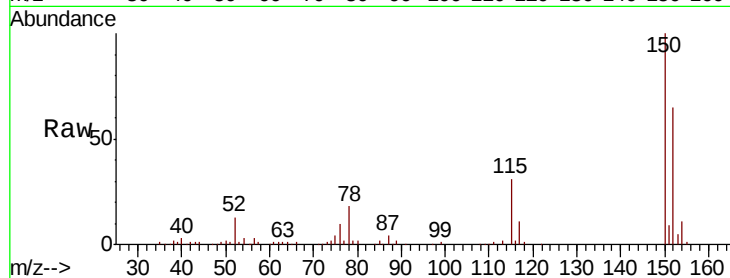


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	48.1	40.5	60.7

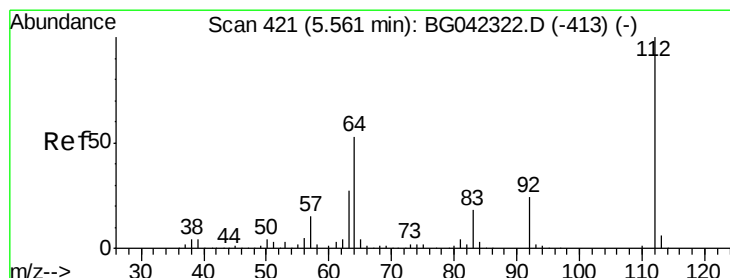
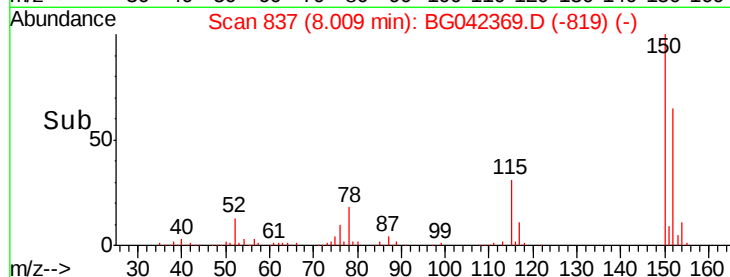
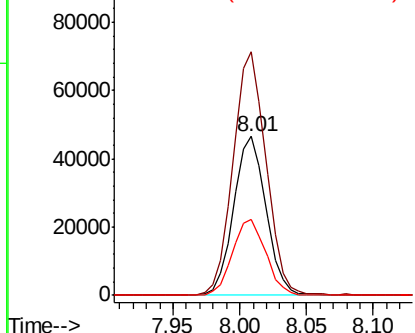


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

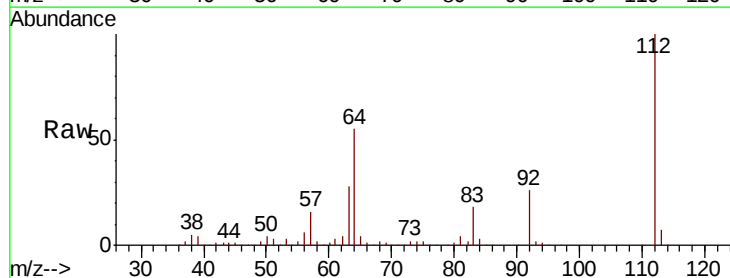
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.767 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	42.5	63.7
63	28.4	21.7	32.5

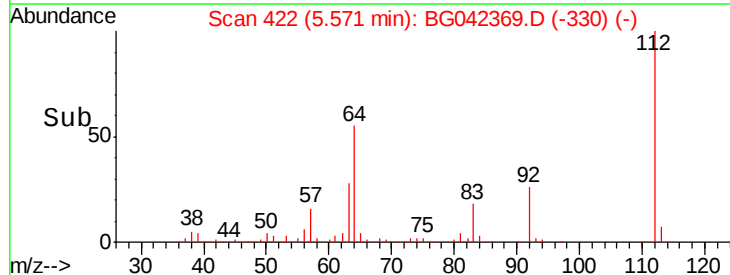
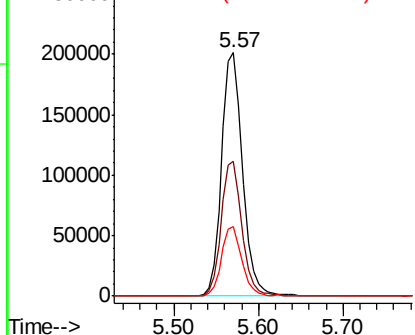


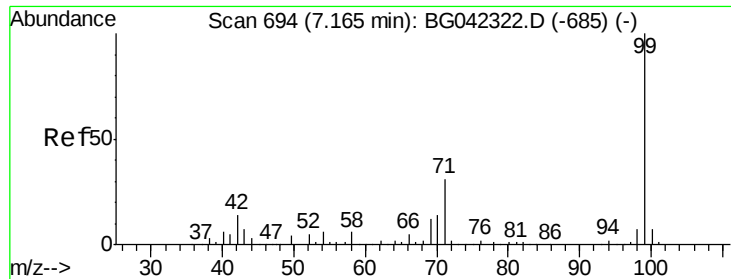
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 93.474 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

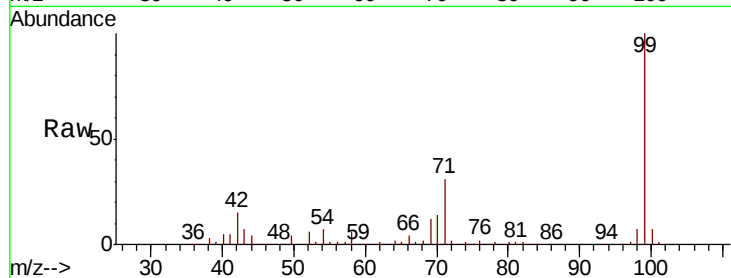
Tot Ion: 99 Resp: 491192

Ion Ratio Lower Upper

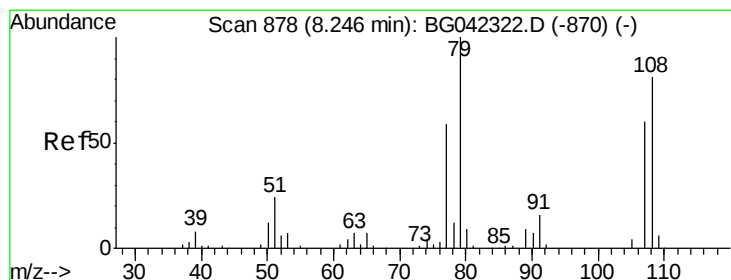
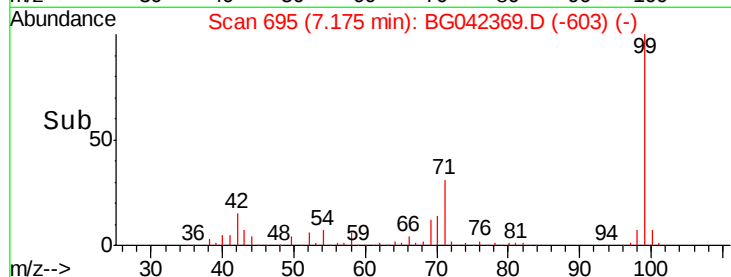
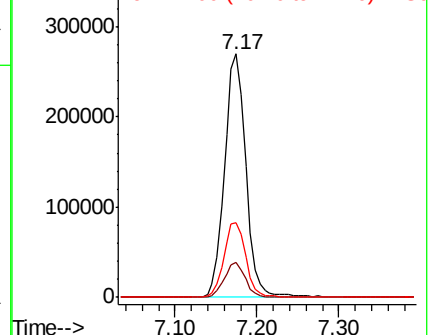
99 100

42 14.5 11.4 17.0

71 30.7 25.1 37.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 3.173 ng

RT: 8.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

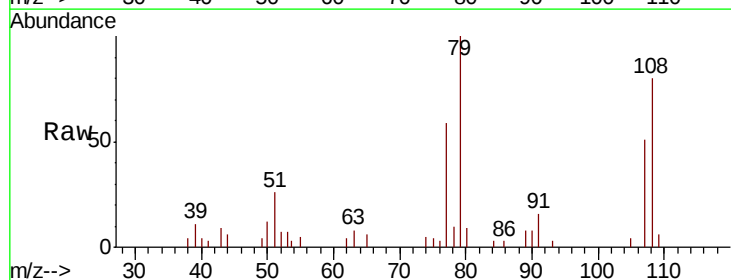
Tgt Ion: 79 Resp: 11469

Ion Ratio Lower Upper

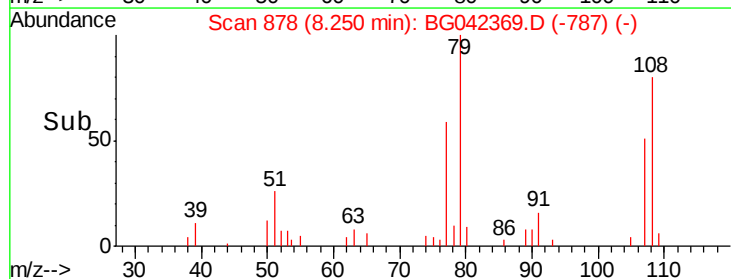
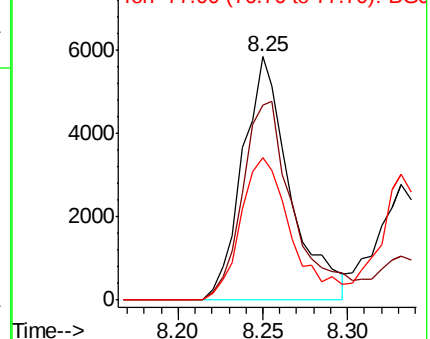
79 100

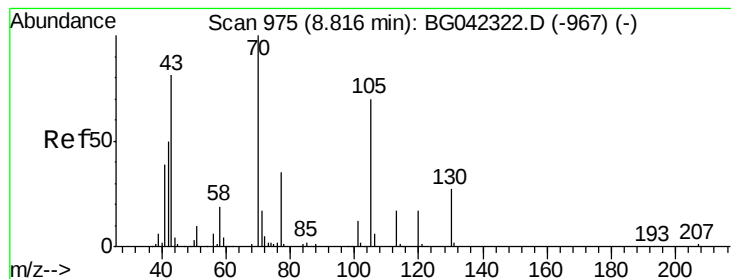
108 80.0 64.8 97.2

77 58.7 47.6 71.4



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.724 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 36245

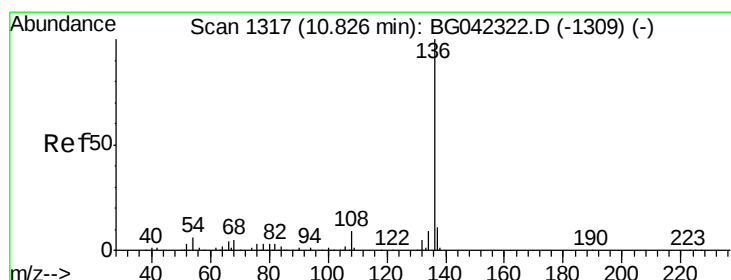
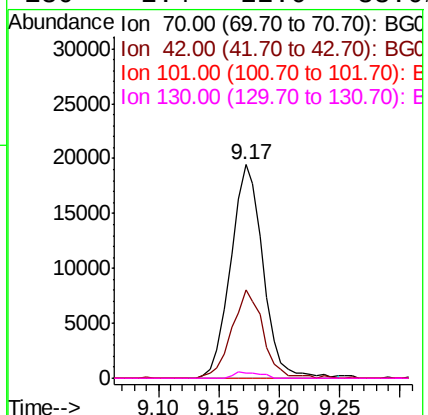
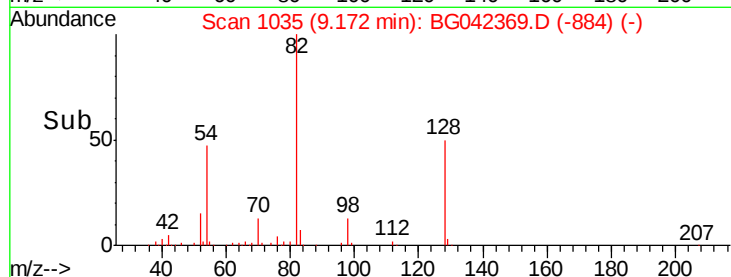
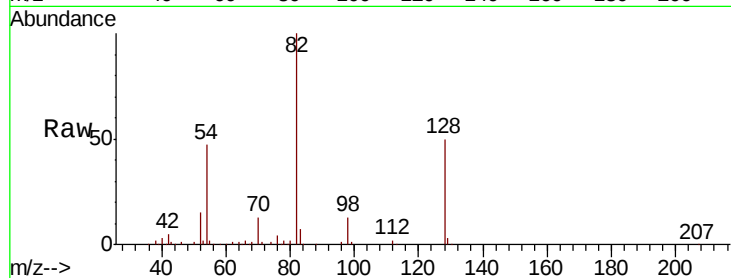
Ion Ratio Lower Upper

70 100

42 41.2 40.5 60.7

101 0.0 9.3 13.9#

130 2.4 22.0 33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Tgt Ion: 136 Resp: 301111

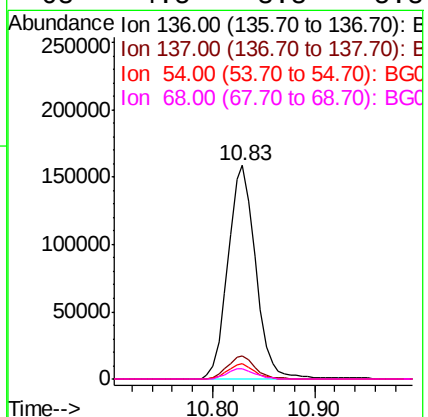
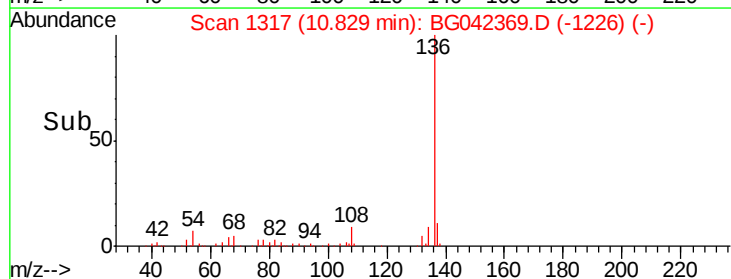
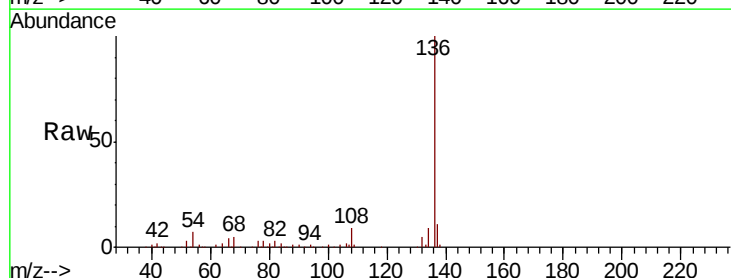
Ion Ratio Lower Upper

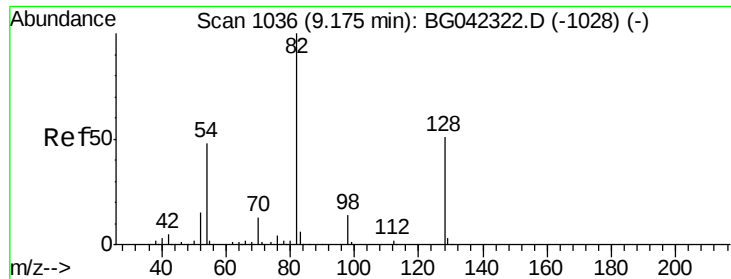
136 100

137 11.0 8.4 12.6

54 7.0 5.0 7.4

68 4.5 3.8 5.8

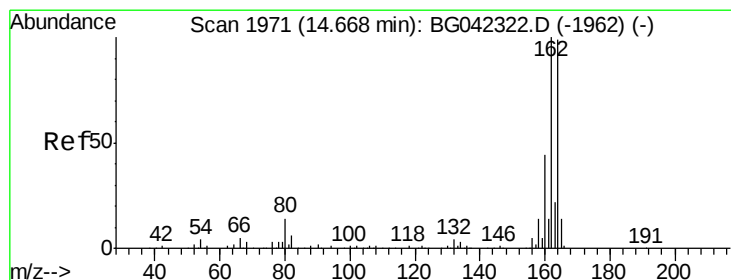
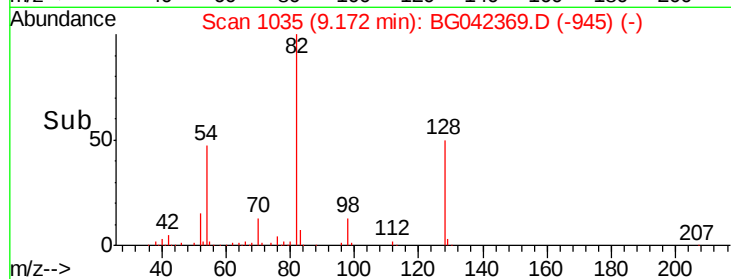
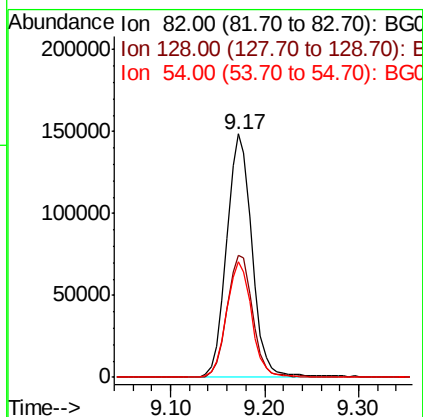
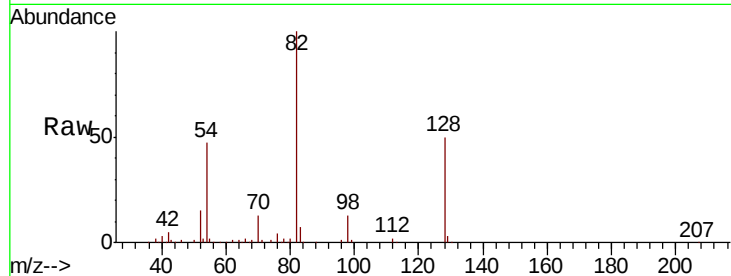




#23
 Nitrobenzene-d5
 Concen: 64.891 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

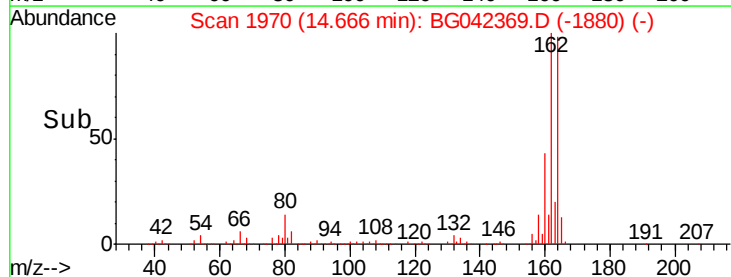
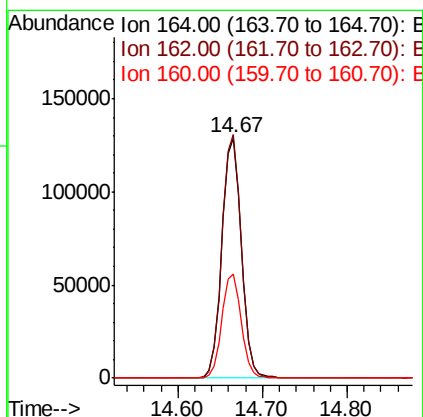
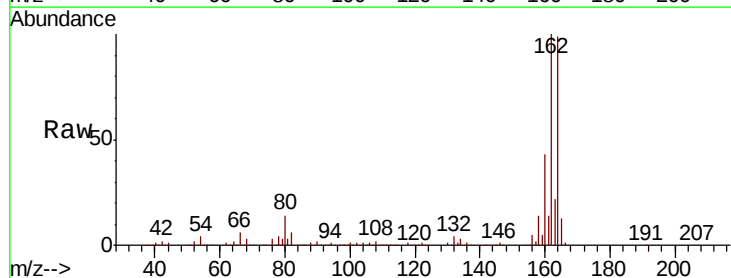
Instrument :
 BNA_G
 ClientSampleId :

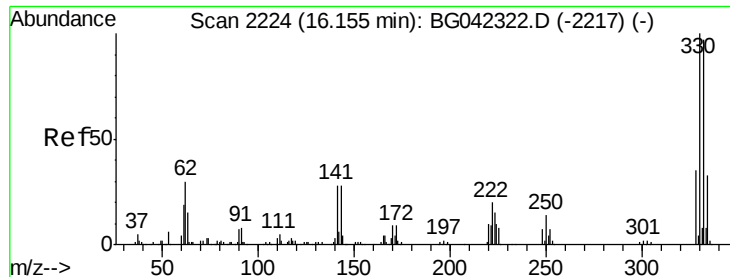
Tot Ion	82	Resp	277813
Ion Ratio	Lower	Upper	
82	100		
128	50.0	41.0	61.4
54	47.2	38.0	57.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Tgt Ion	164	Resp	206896
Ion Ratio	Lower	Upper	
164	100		
162	101.4	80.6	120.8
160	43.5	35.7	53.5

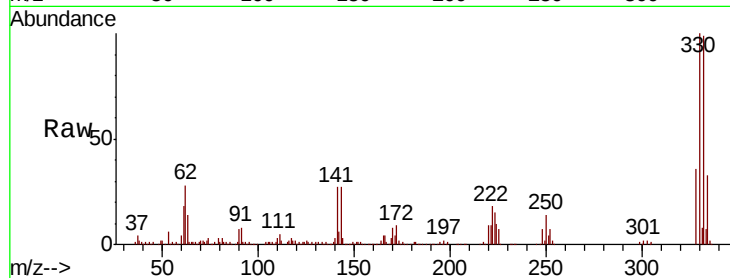




#42
 2,4,6-Tribromophenol
 Concen: 88.859 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	28.1	21.8	32.6

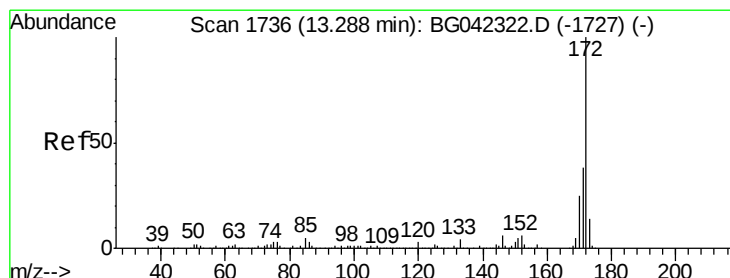
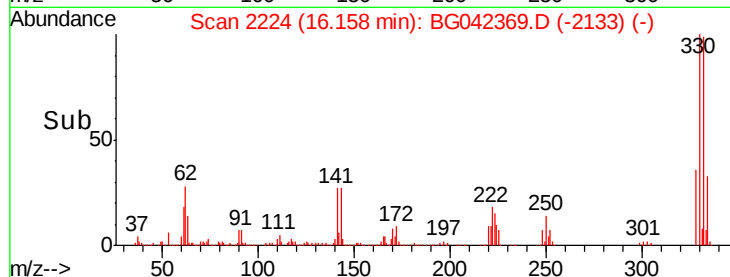
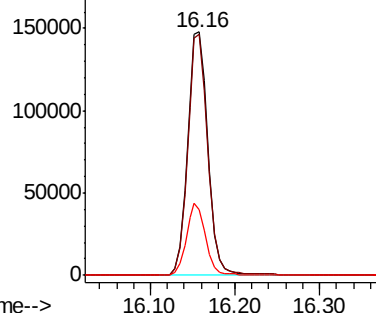


Abundance

Ion 329.80 (329.50 to 330.50): E

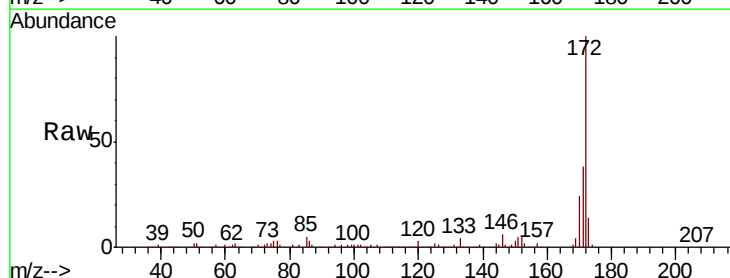
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.184 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.3	45.5
170	24.4	20.0	30.0

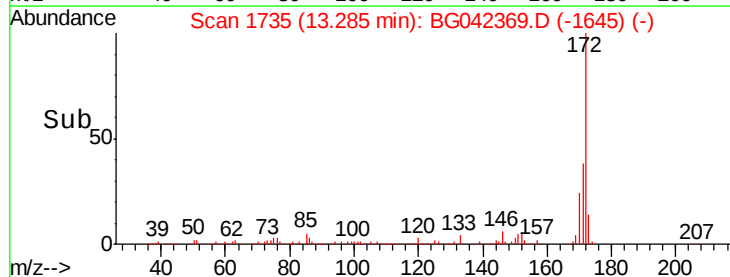
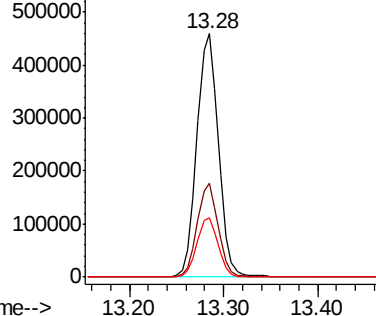


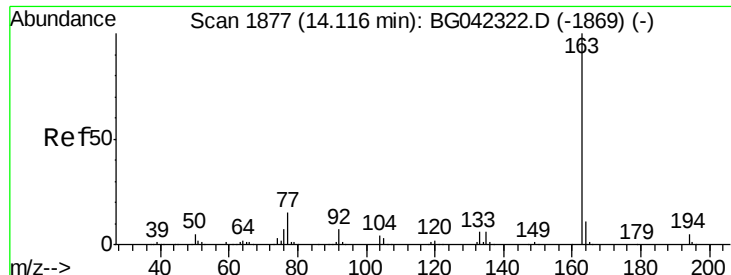
Abundance

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: 2.686 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

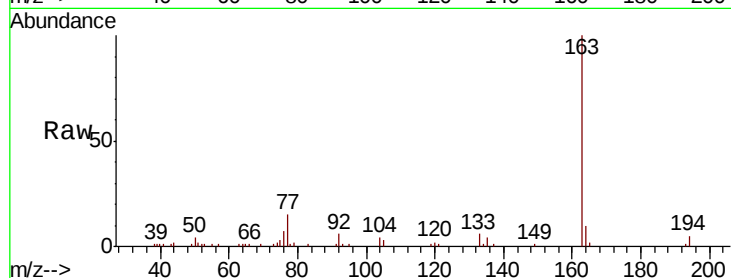
Tot Ion:163 Resp: 39487

Ion Ratio Lower Upper

163 100

194 4.5 4.2 6.2

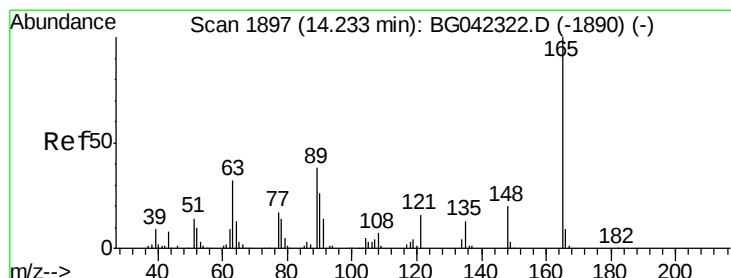
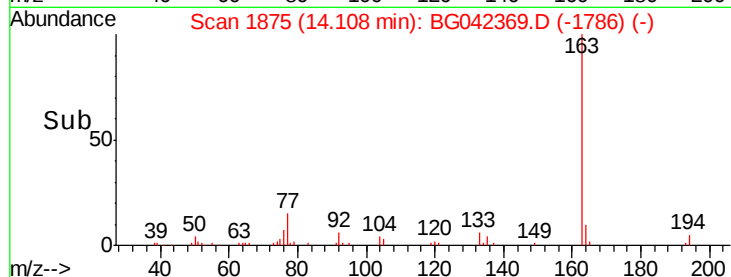
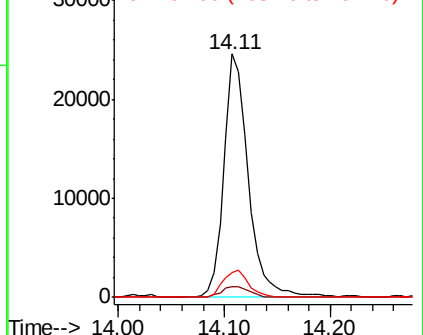
164 10.2 8.8 13.2



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



#51

2,6-Dinitrotoluene

Concen: 8.030 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

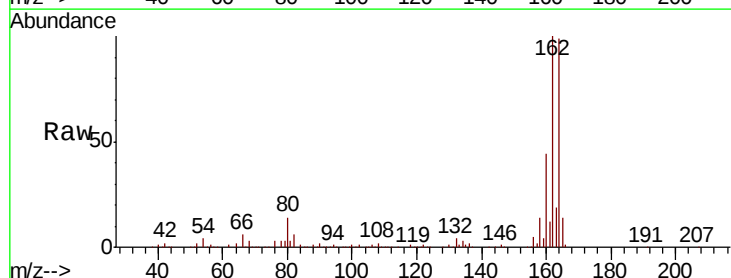
Tgt Ion:165 Resp: 27631

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

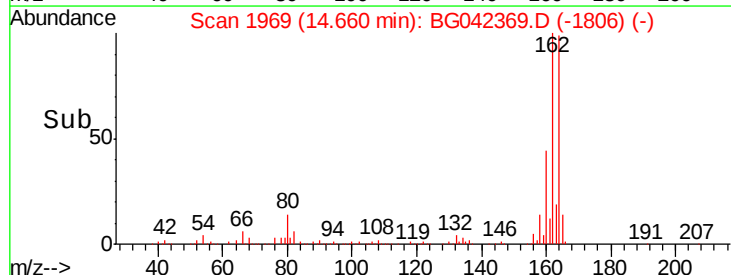
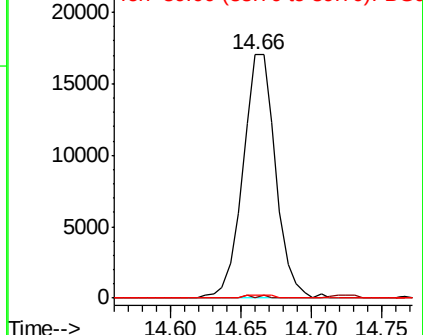
89 1.3 30.0 45.0#

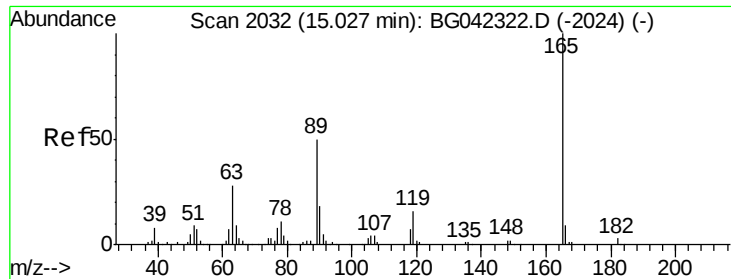


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

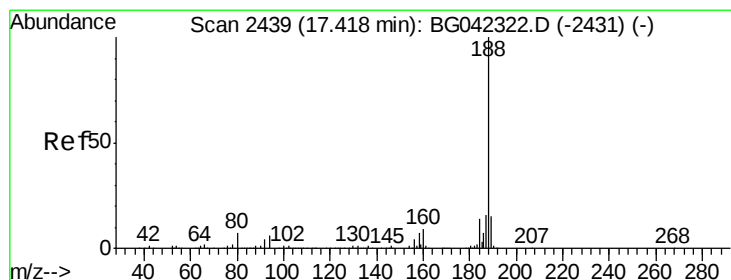
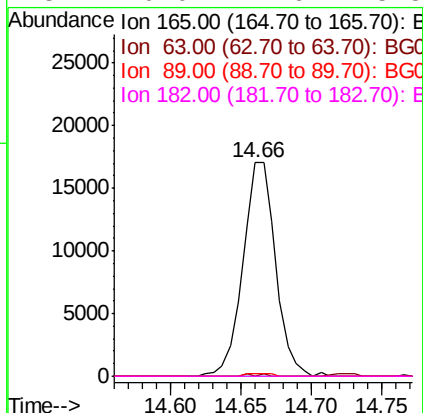
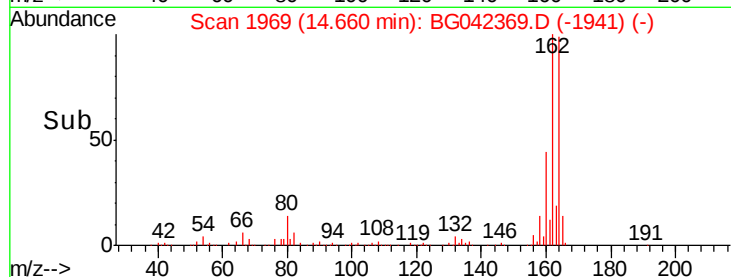
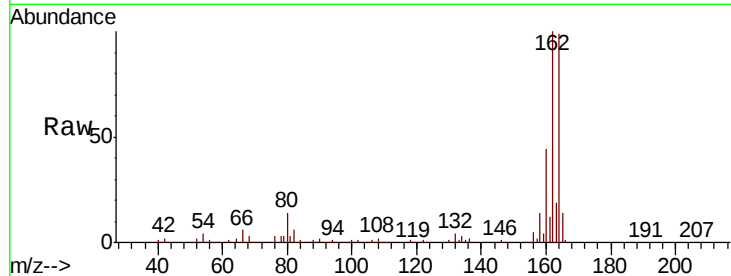




#57
 2,4-Dinitrotoluene
 Concen: 5.744 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

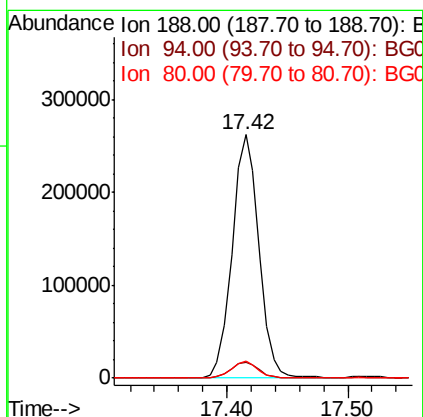
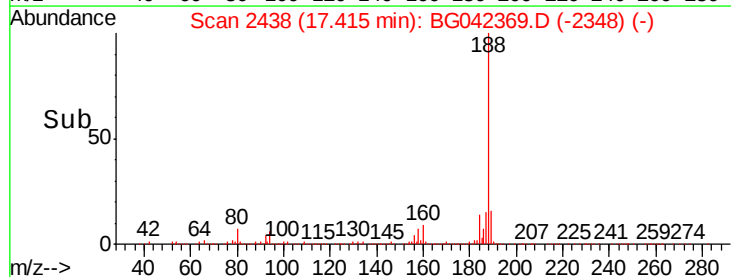
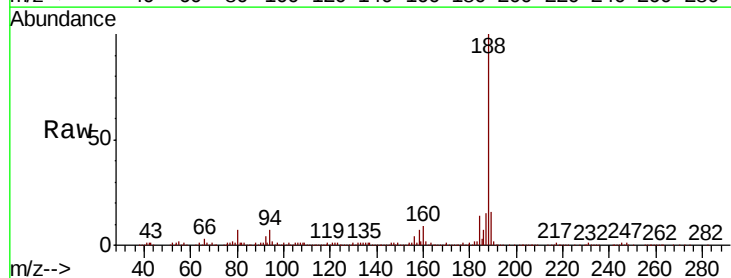
Instrument :
 BNA_G
 ClientSampled :

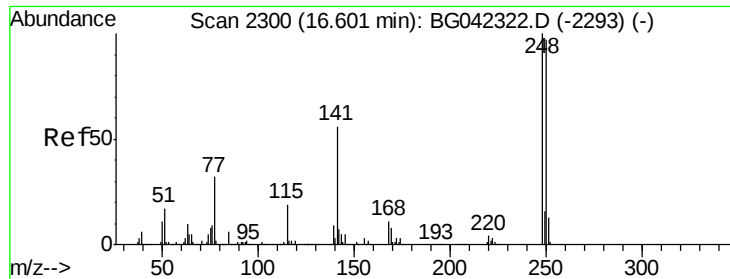
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	1.3	40.2	60.2#
182	0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.9	7.3
80	6.8	5.4	8.0

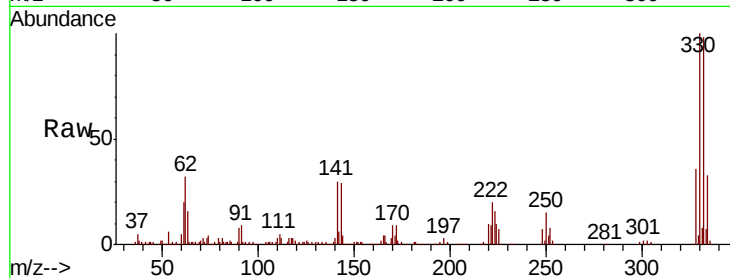




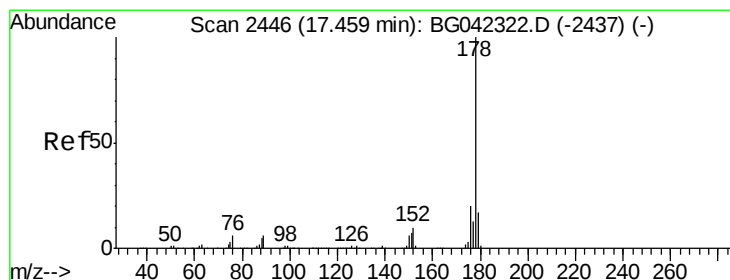
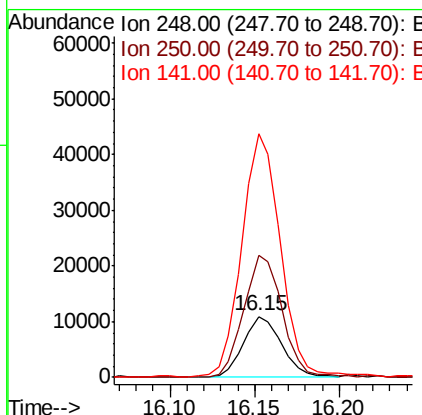
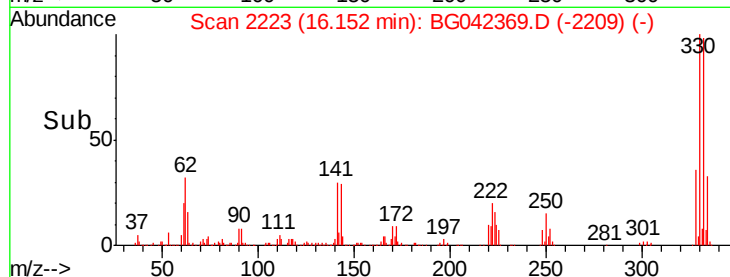
#67
 4-Bromophenyl-phenylether
 Concen: 3.385 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17379
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.0 117.0#
 141 400.2 44.9 67.3#

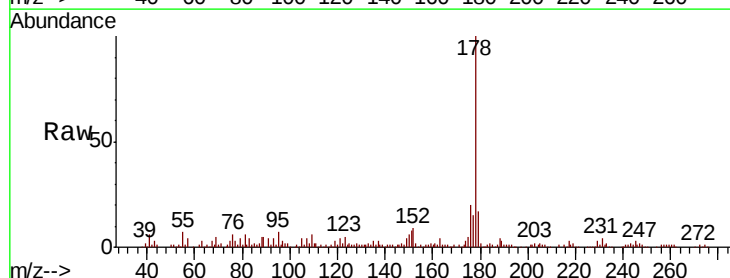


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

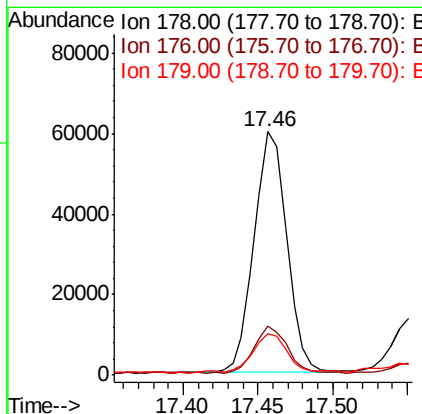
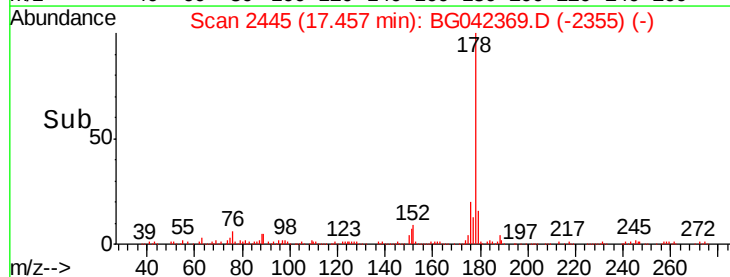


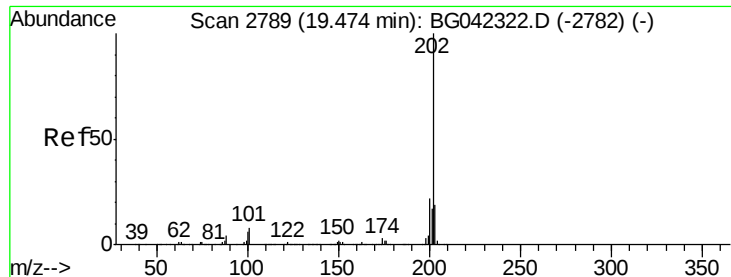
#71
 Phenanthrene
 Concen: 4.534 ng
 RT: 17.46 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG042369.D
 Acq: 20 Aug 2019 22:31

Tgt Ion:178 Resp: 91100
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 16.8 13.7 20.5



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





#75

Fluoranthene

Concen: 9.017 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042369.D

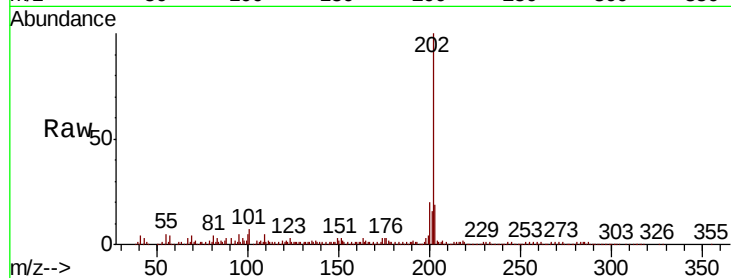
Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	218477
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	28.0
203	18.7	0.0	39.1

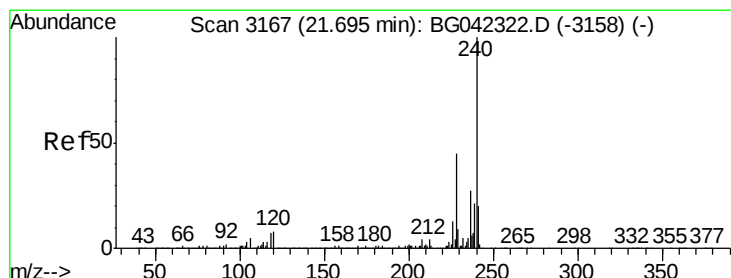
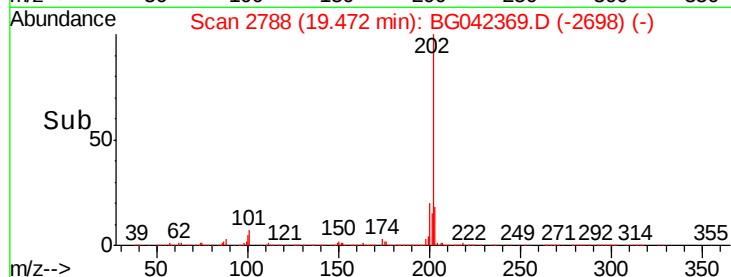
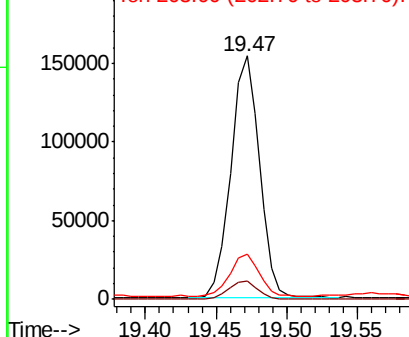


Abundance

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

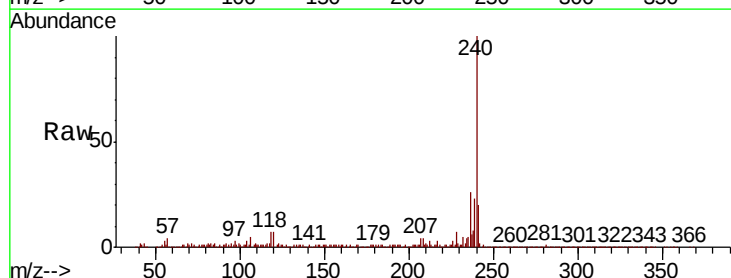
RT: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Tgt Ion:	240	Resp:	409437
Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.0	9.0
236	25.6	21.6	32.4

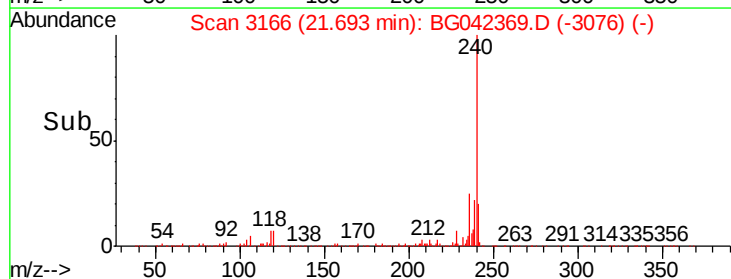
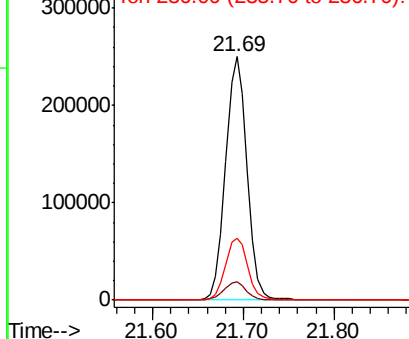


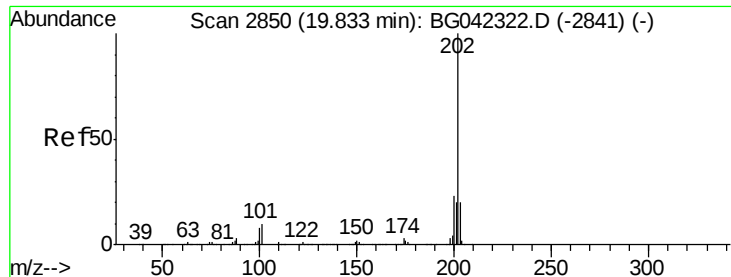
Abundance

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

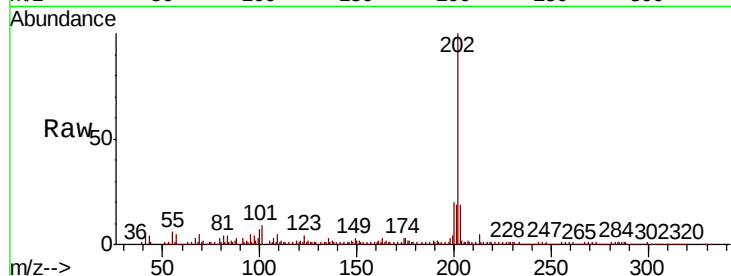




#78
Pvrene
Concen: 8.127 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.1	27.1
203	19.0	15.8	23.8

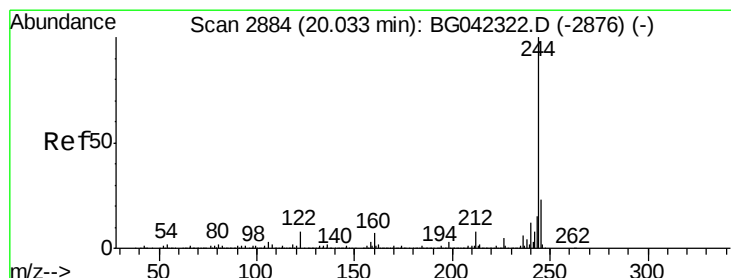
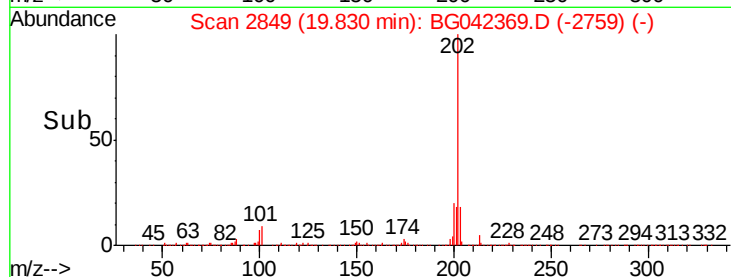
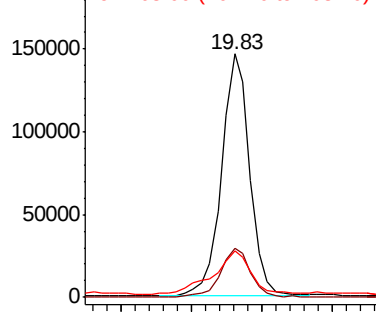


Abundance

Ion 202.00 (201.70 to 202.70): E

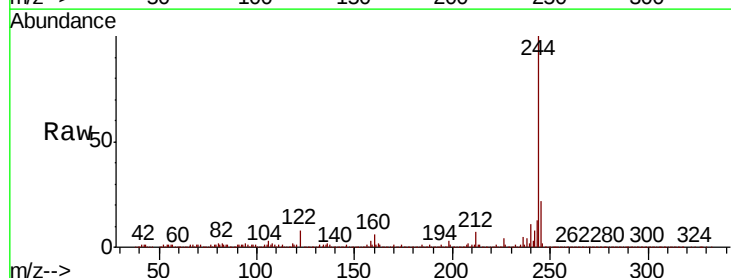
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 54.700 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	7.8	6.6	10.0

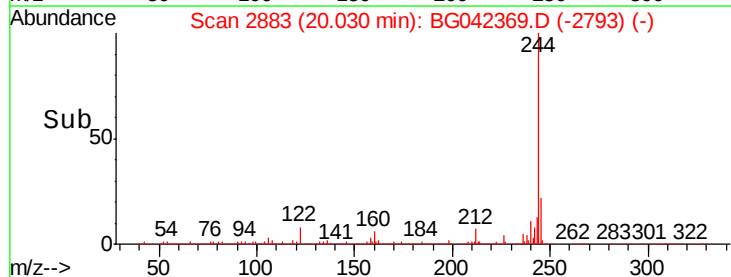
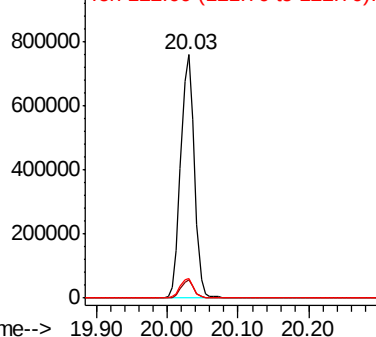


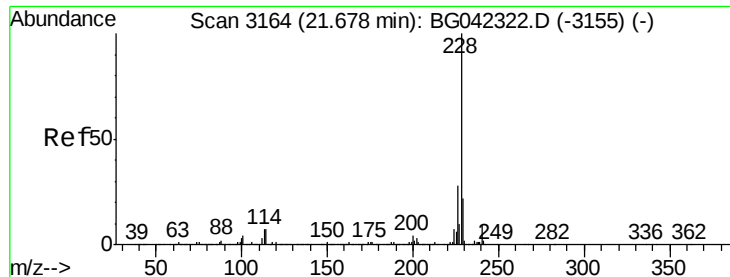
Abundance

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

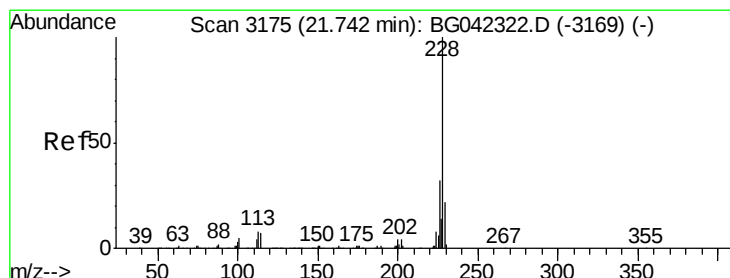
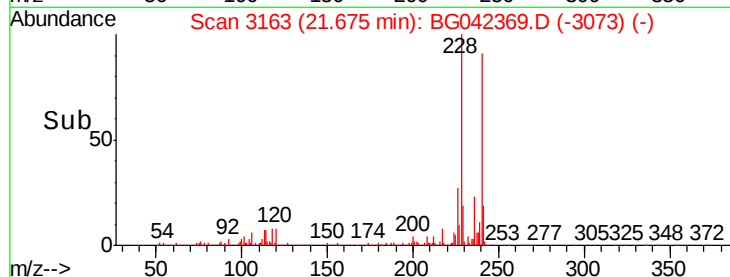
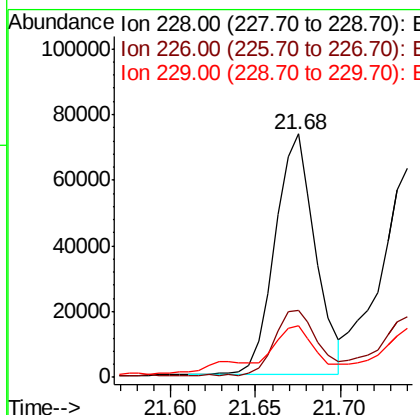
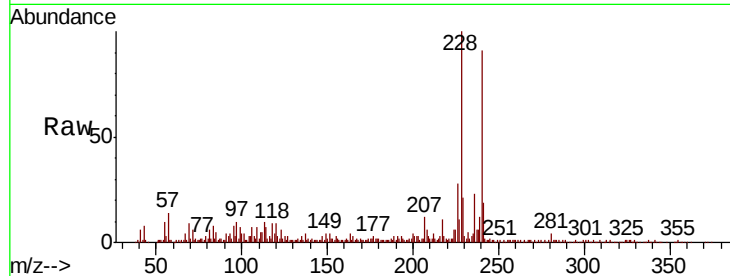




#81
Benzo(a)anthracene
Concen: 4.826 ng
RT: 21.68 min Scan# 3163
Delta R.T. -0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

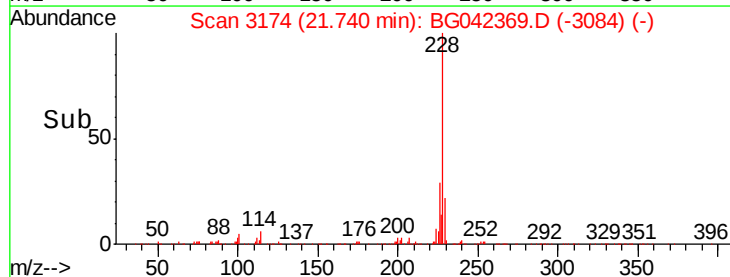
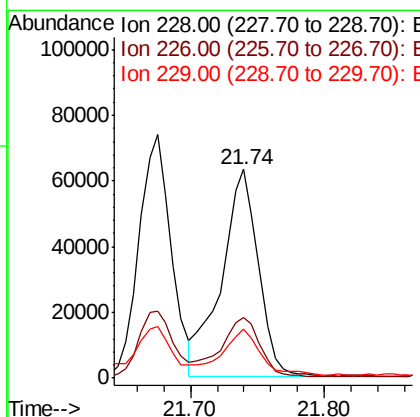
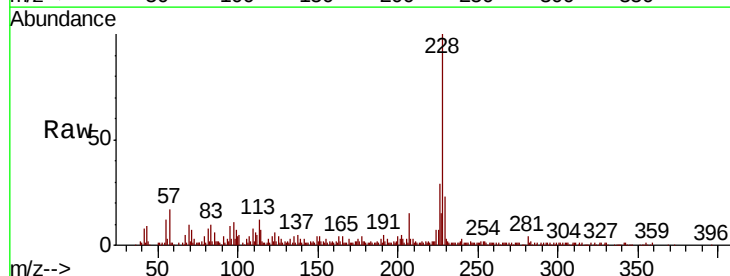
Instrument :
BNA_G
ClientSampleId :

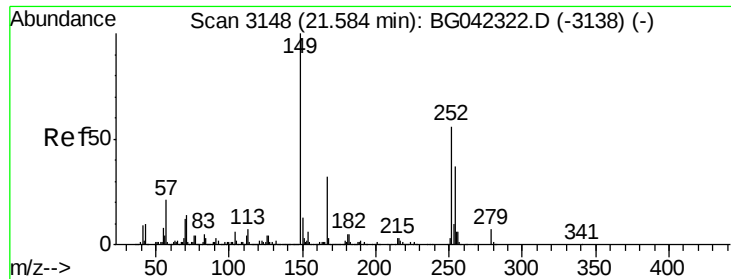
Tot Ion:228 Resp: 121348
Ion Ratio Lower Upper
228 100
226 27.6 22.7 34.1
229 21.0 17.4 26.2



#83
Chrysene
Concen: 5.008 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Tgt Ion:228 Resp: 120464
Ion Ratio Lower Upper
228 100
226 29.3 25.6 38.4
229 23.4 17.8 26.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.976 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampled :

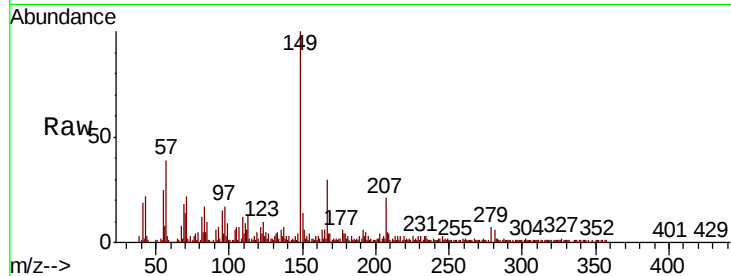
Tot Ion:149 Resp: 55354

Ion Ratio Lower Upper

149 100

167 29.8 25.4 38.0

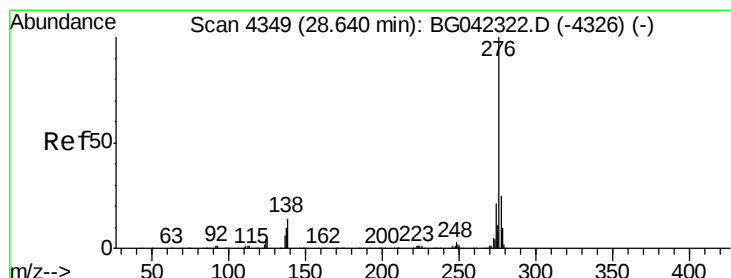
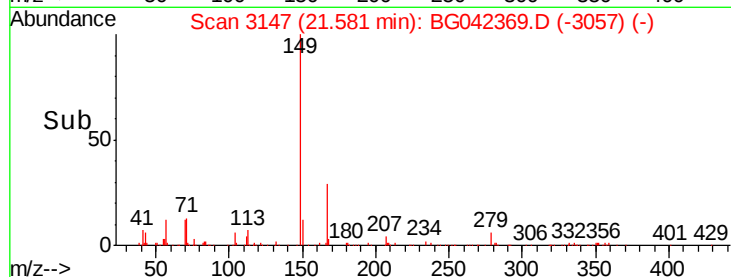
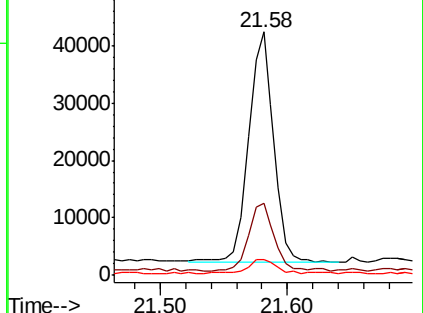
279 6.7 5.8 8.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.769 ng

RT: 28.63 min Scan# 4347

Delta R.T. -0.01 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

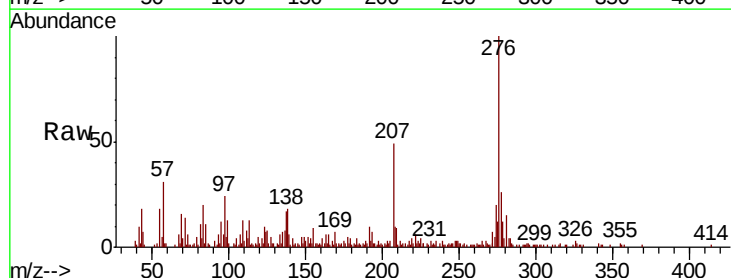
Tgt Ion:276 Resp: 88930

Ion Ratio Lower Upper

276 100

138 12.3 14.5 21.7#

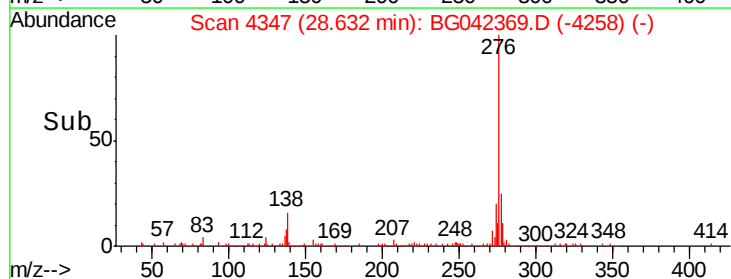
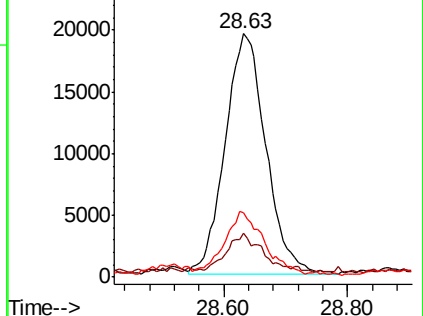
277 24.8 21.0 31.4

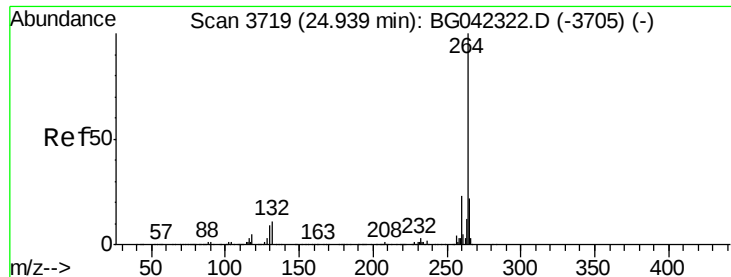


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.94 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

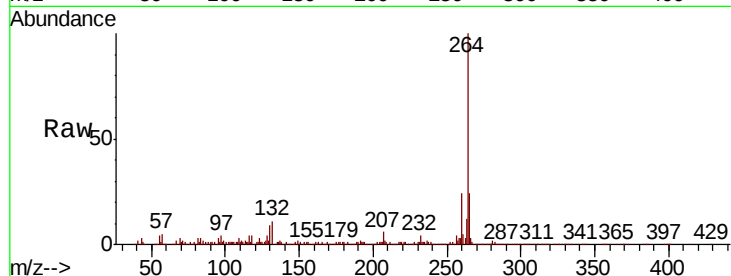
Tot Ion:264 Resp: 483856

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

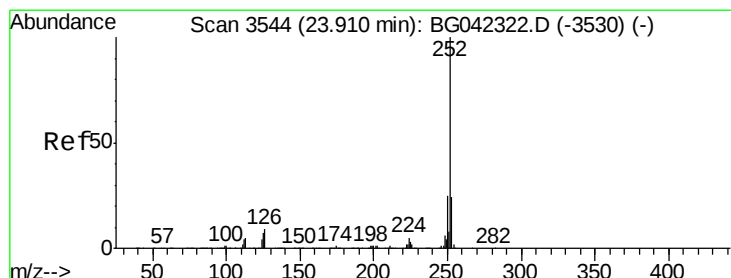
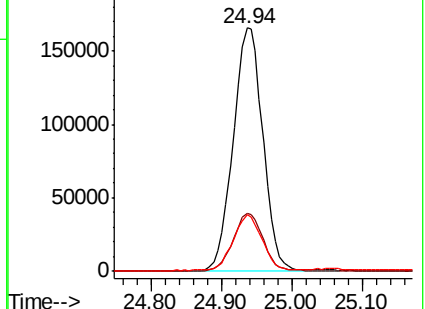
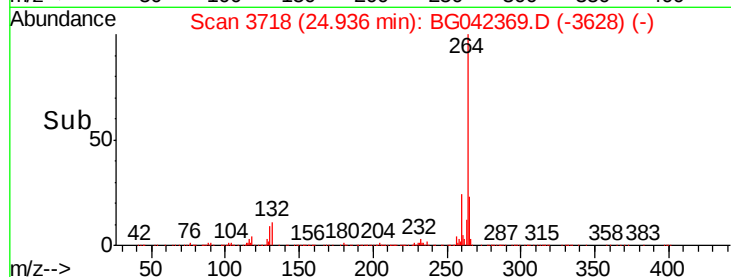
265 23.5 17.4 26.0



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: 6.758 ng

RT: 23.91 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

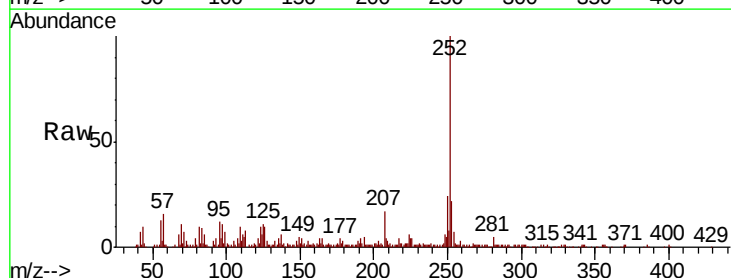
Tgt Ion:252 Resp: 179730

Ion Ratio Lower Upper

252 100

253 21.9 18.9 28.3

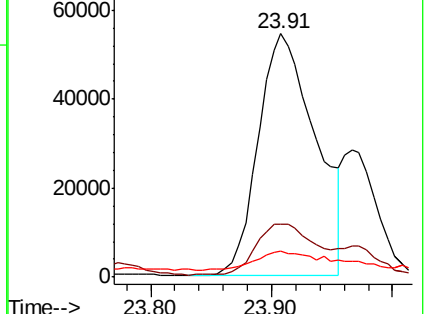
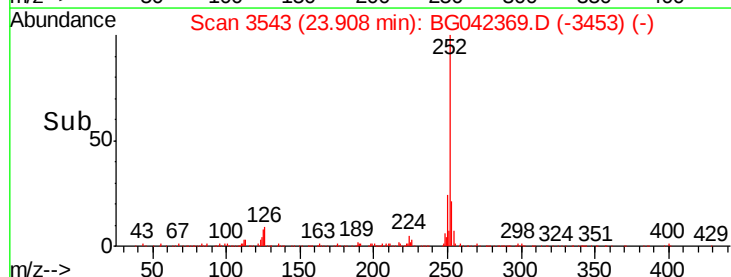
125 10.8 5.8 8.6#

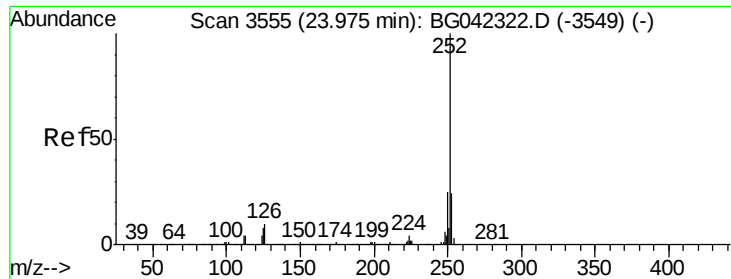


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

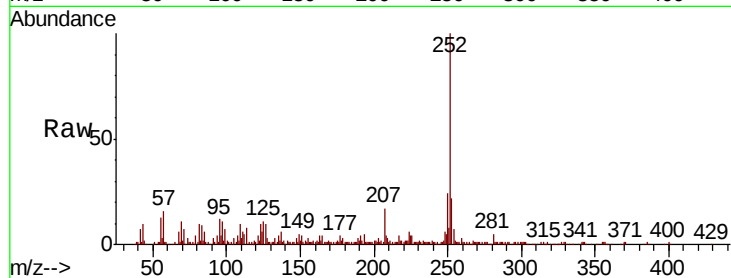




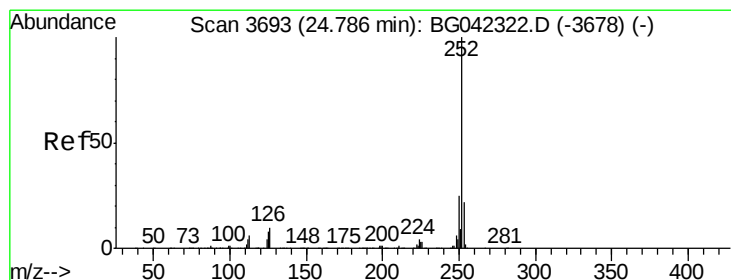
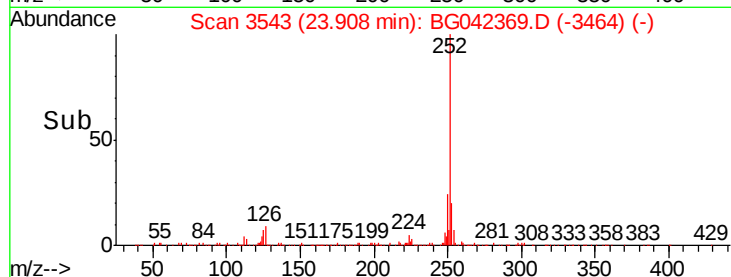
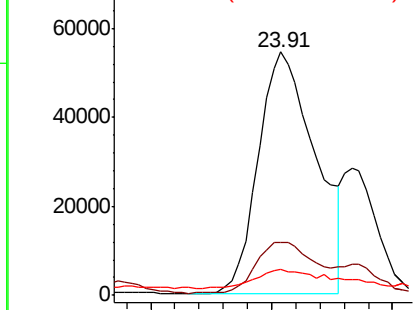
#89
Benzo(k)fluoranthene
Concen: 6.913 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 179730
Ion Ratio Lower Upper
252 100
253 21.9 19.0 28.4
125 10.8 6.0 9.0#

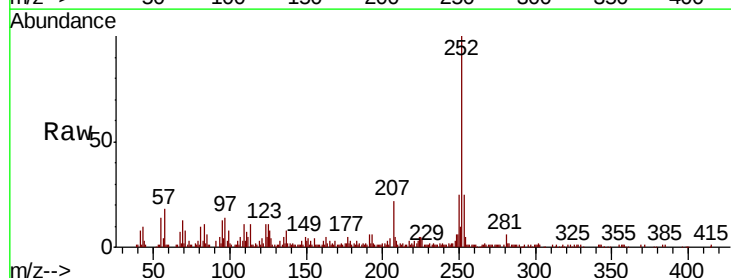


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

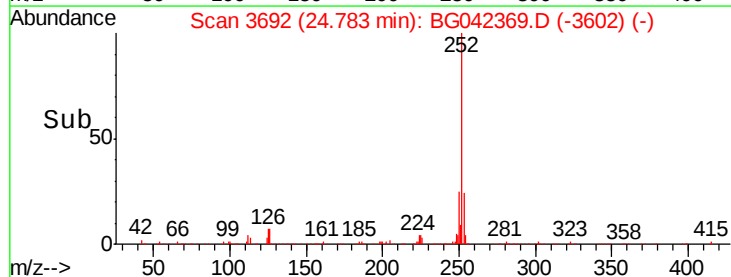
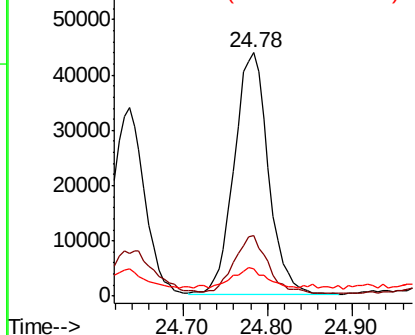


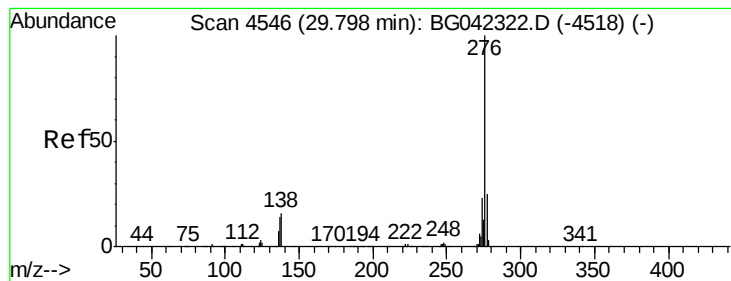
#90
Benzo(a)pyrene
Concen: 4.774 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.00 min
Lab File: BG042369.D
Acq: 20 Aug 2019 22:31

Tgt Ion:252 Resp: 121659
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 11.3 6.7 10.1#



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





#92

Benzo(a,h,i)perylene

Concen: 3.499 ng

RT: 29.79 min Scan# 4544

Delta R.T. -0.01 min

Lab File: BG042369.D

Acq: 20 Aug 2019 22:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 88649

Ion Ratio Lower Upper

276 100

277 22.3 19.8 29.8

138 14.5 12.8 19.2

