

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082919\
 Data File : BG042588.D
 Acq On : 30 Aug 2019 5:48
 Operator : HP/JU
 Sample : K4582-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3422

Quant Time: Aug 30 06:43:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	35285	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	139185	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104384	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	242200	20.00	ng	0.00
76) Chrysene-d12	21.69	240	252028	20.00	ng	0.00
87) Perylene-d12	24.92	264	299330	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	160935	92.37	ng	0.00
7) Phenol-d6	7.16	99	216738	92.10	ng	0.00
23) Nitrobenzene-d5	9.17	82	123714	61.42	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	136005	91.67	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	395617	64.10	ng	0.00
79) Terphenyl-d14	20.02	244	708251	60.75	ng	0.00

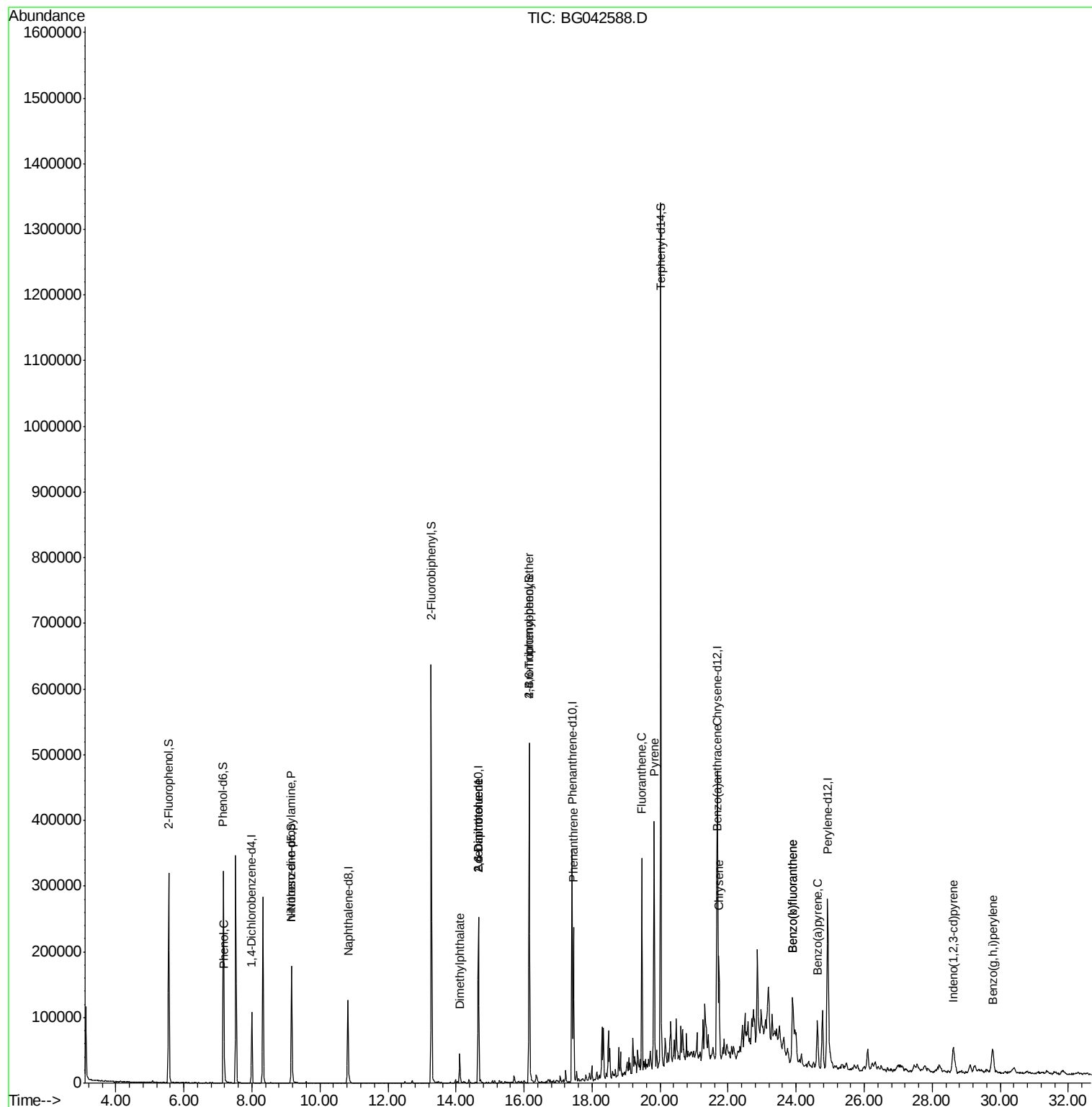
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	11458	4.789	ng	79
19) n-Nitroso-di-n-propylamine	9.17	70	15758	10.336	ng	# 76
50) Dimethylphthalate	14.11	163	42738	5.674	ng	100
51) 2,6-Dinitrotoluene	14.66	165	13912	7.969	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13912	5.565	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	9026	2.938	ng	# 1
71) Phenanthrene	17.45	178	159728	13.277	ng	99
75) Fluoranthene	19.47	202	220986	15.051	ng	96
78) Pyrene	19.82	202	259861	16.818	ng	96
81) Benzo(a)anthracene	21.66	228	104256	6.800	ng	96
83) Chrysene	21.73	228	120440	8.146	ng	99
86) Indeno(1,2,3-cd)pyrene	28.62	276	71544	3.561	ng	# 97
88) Benzo(b)fluoranthene	23.90	252	145447	8.839	ng	97
89) Benzo(k)fluoranthene	23.90	252	145447	9.195	ng	97
90) Benzo(a)pyrene	24.62	252	81525	5.221	ng	99
92) Benzo(g,h,i)perylene	29.77	276	76821	4.858	ng	98

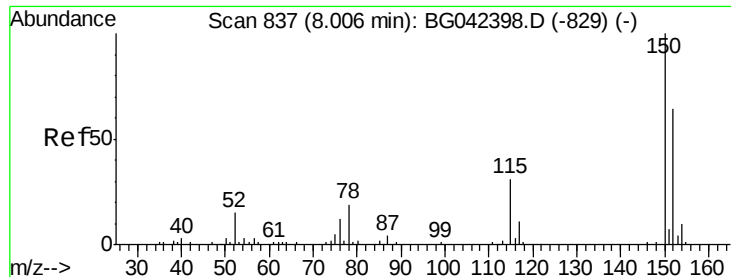
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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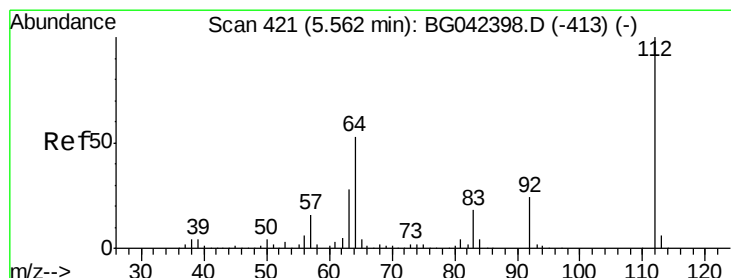
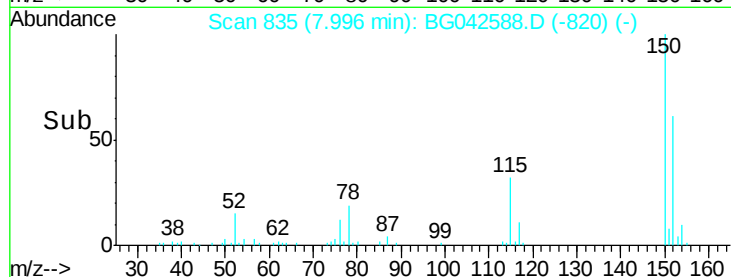
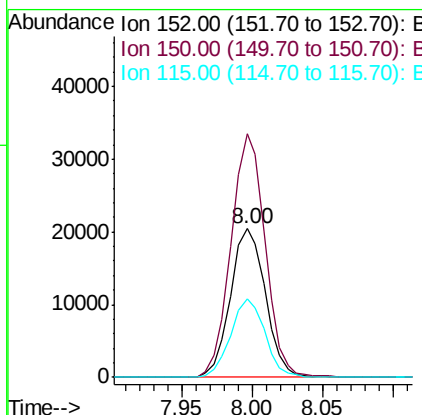
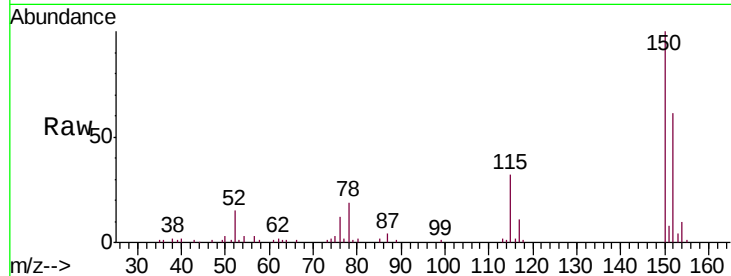


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampleId :
RT-3422

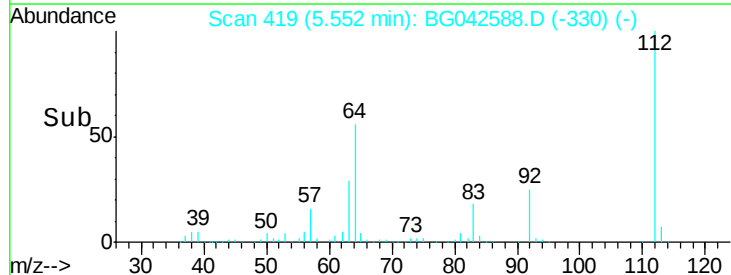
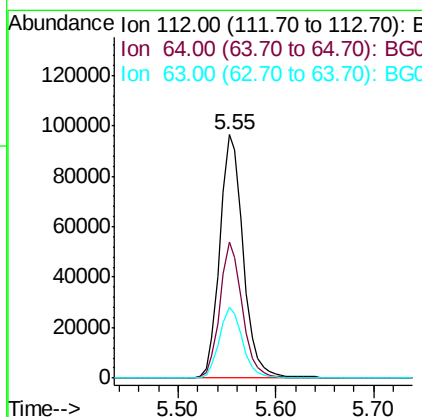
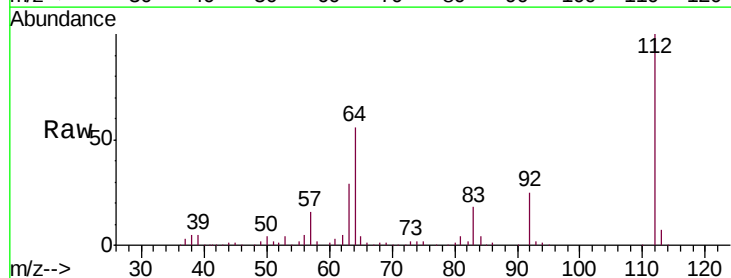
Tgt Ion:152 Resp: 35285
Ion Ratio Lower Upper
152 100
150 163.7 125.4 188.0
115 52.9 38.5 57.7



#5

2-Fluorophenol
Concen: 92.374 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion:112 Resp: 160935
Ion Ratio Lower Upper
112 100
64 56.1 42.8 64.2
63 29.0 22.7 34.1





#7

Phenol-d6

Concen: 92.098 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

ClientSampleId :

RT-3422

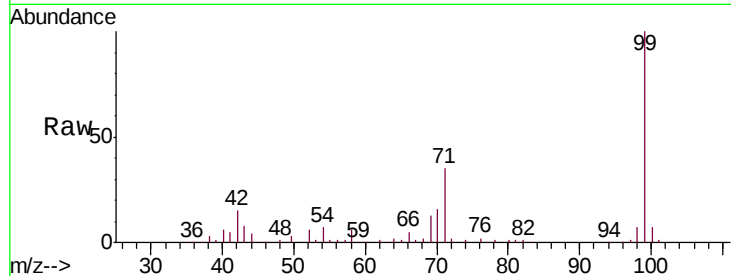
Tgt Ion: 99 Resp: 216738

Ion Ratio Lower Upper

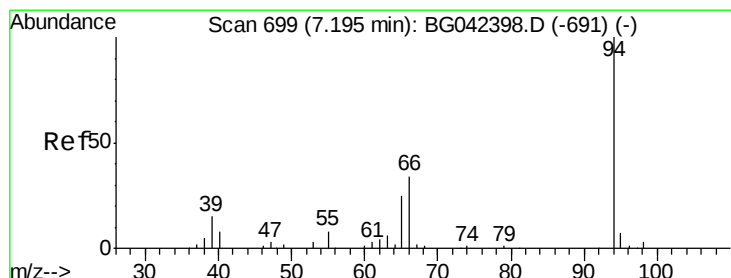
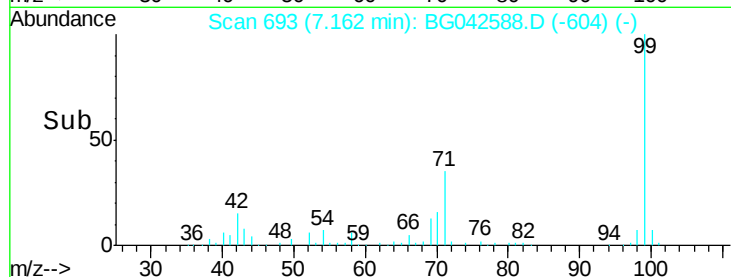
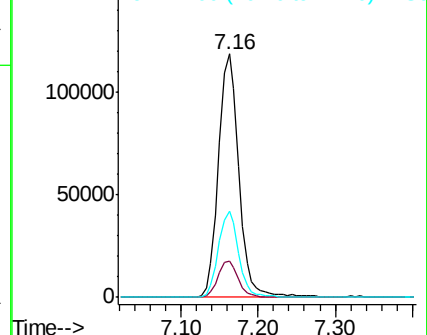
99 100

42 14.7 12.0 18.0

71 35.5 26.3 39.5



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



#10

Phenol

Concen: 4.789 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

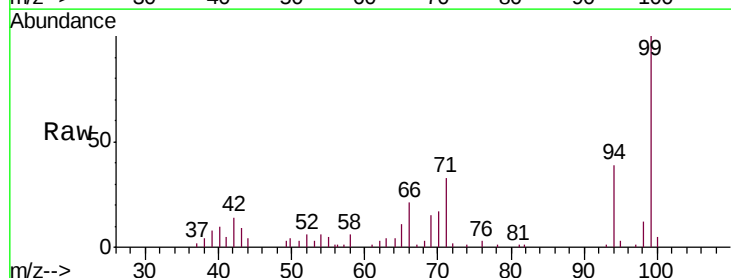
Tgt Ion: 94 Resp: 11458

Ion Ratio Lower Upper

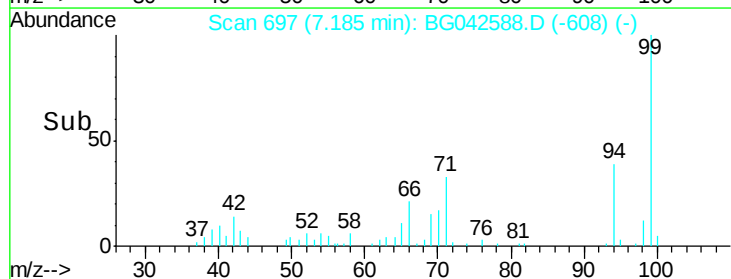
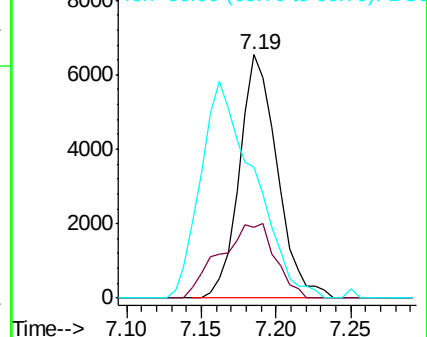
94 100

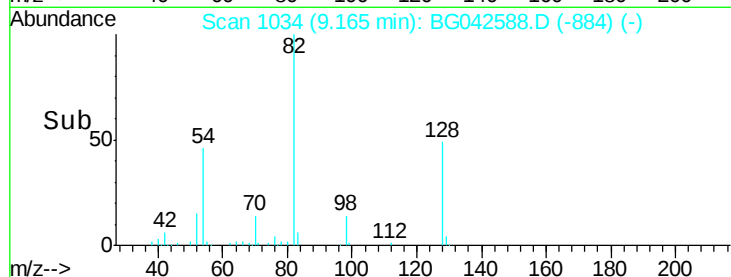
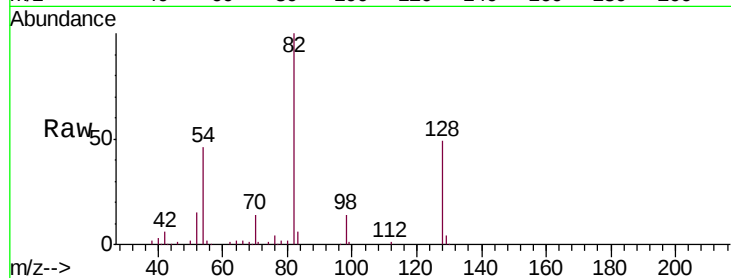
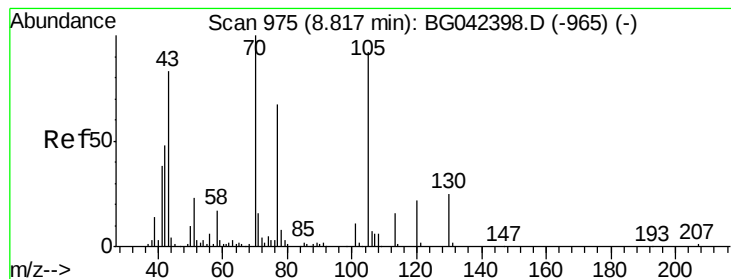
65 28.9 5.6 45.6

66 53.9 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.336 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

ClientSampleId :

RT-3422

Tgt Ion: 70 Resp: 15758

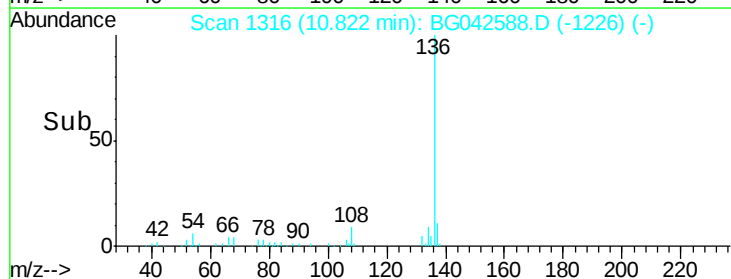
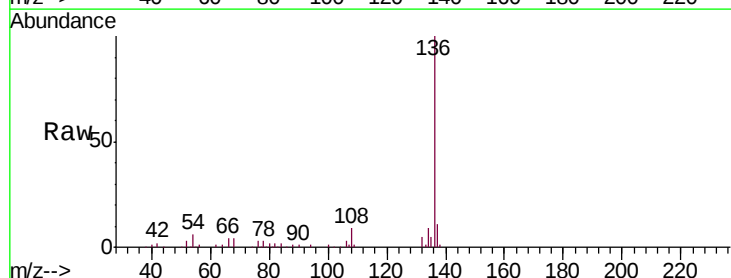
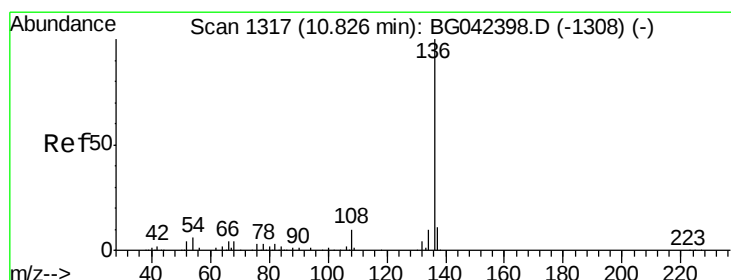
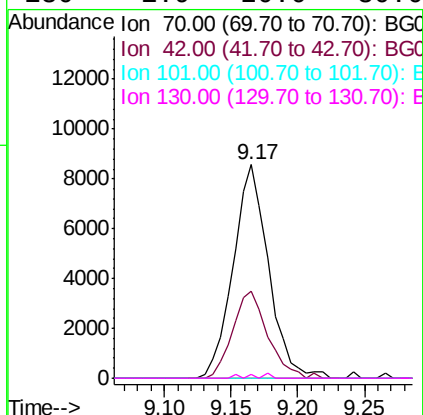
Ion Ratio Lower Upper

70 100

42 40.9 38.8 58.2

101 0.0 9.0 13.6#

130 1.9 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion: 136 Resp: 139185

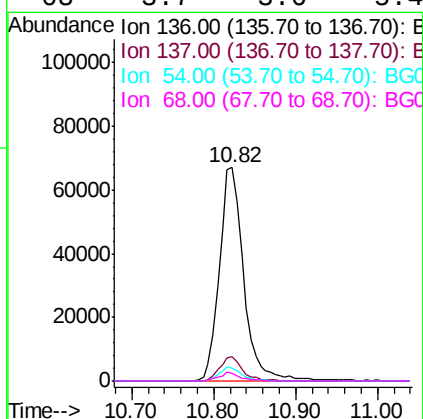
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 6.2 4.9 7.3

68 3.7 3.6 5.4

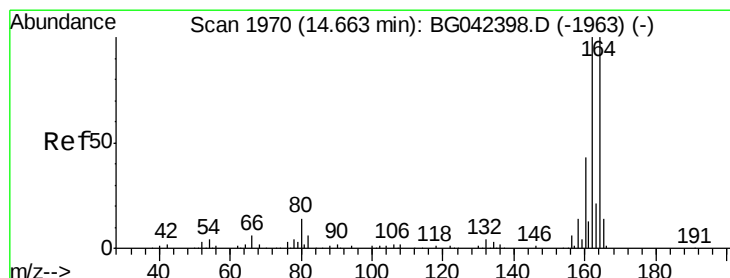
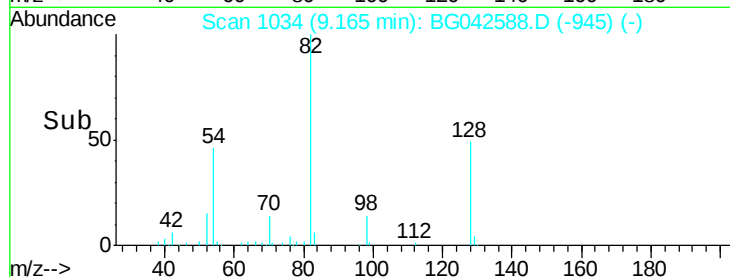
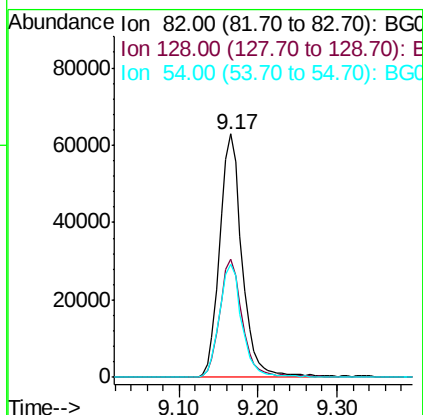
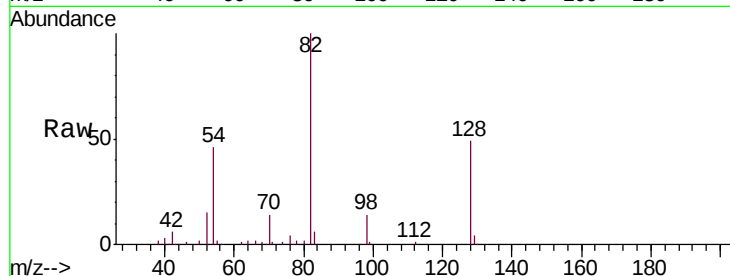




#23
Nitrobenzene-d5
Concen: 61.423 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

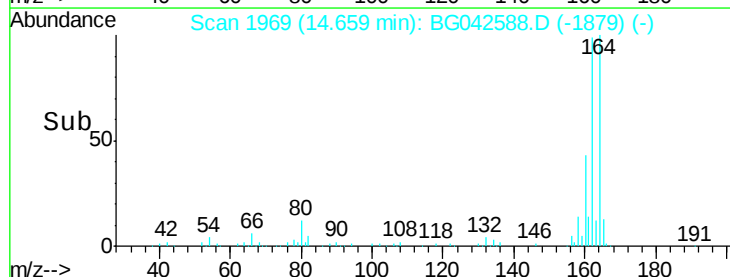
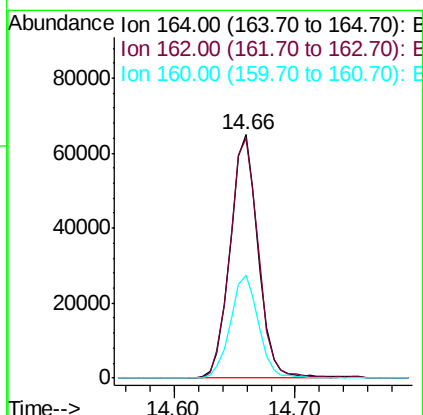
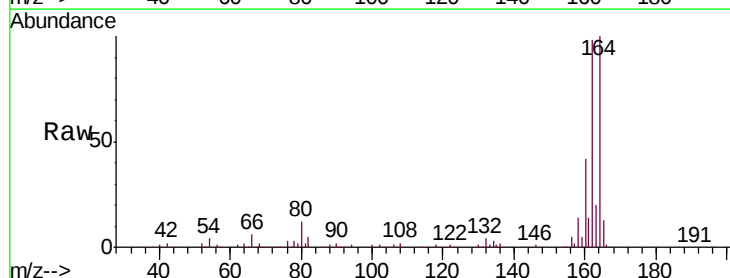
Instrument :
BNA_G
ClientSampleId :
RT-3422

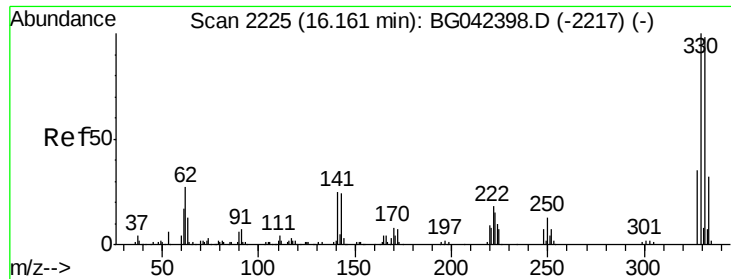
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.7	40.7	61.1
54	46.5	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.9	119.9
160	42.5	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 91.669 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

ClientSampleId :

RT-3422

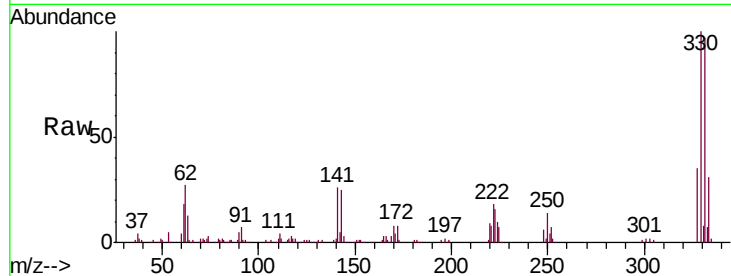
Tgt Ion:330 Resp: 136005

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.0

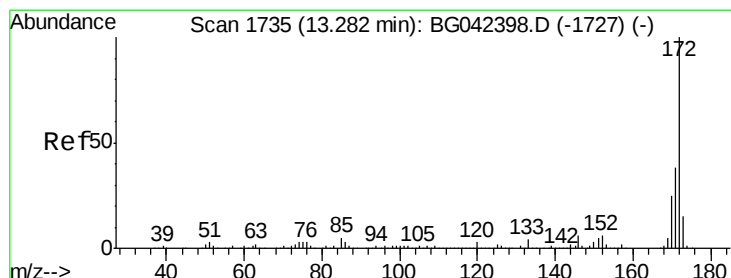
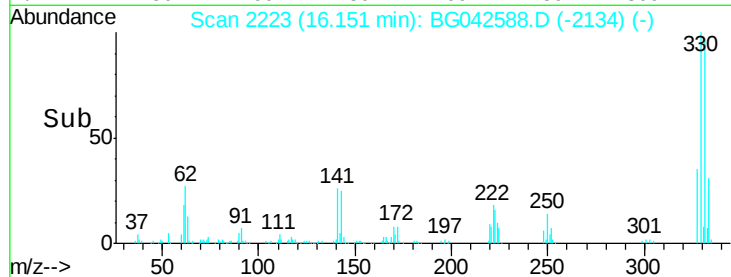
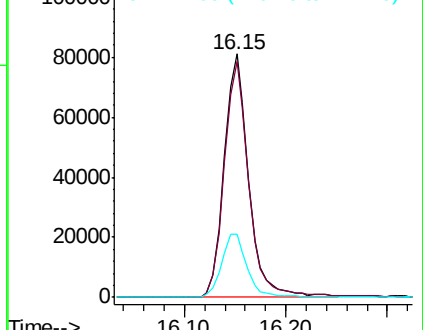
141 27.1 21.4 32.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 64.100 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

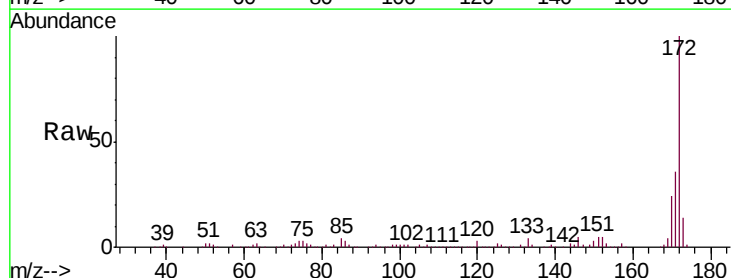
Tgt Ion:172 Resp: 395617

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

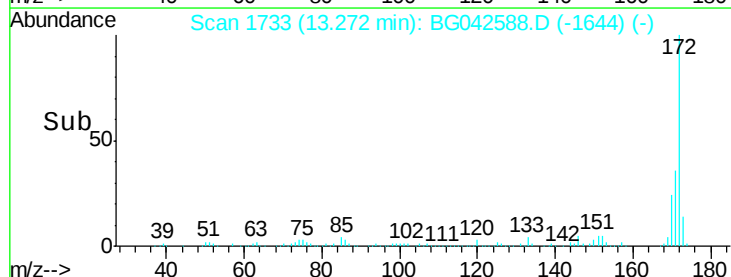
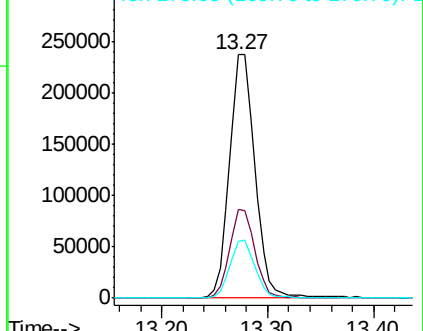
170 23.5 20.2 30.2



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: 5.674 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

ClientSampleId :

RT-3422

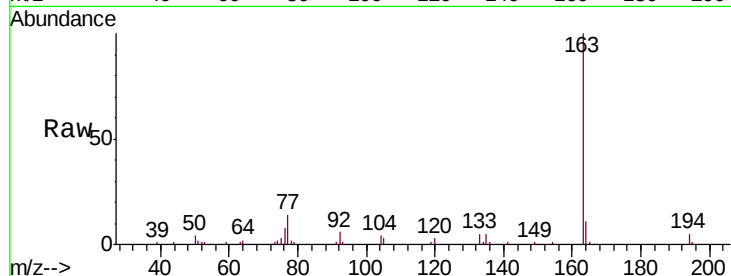
Tgt Ion:163 Resp: 42738

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

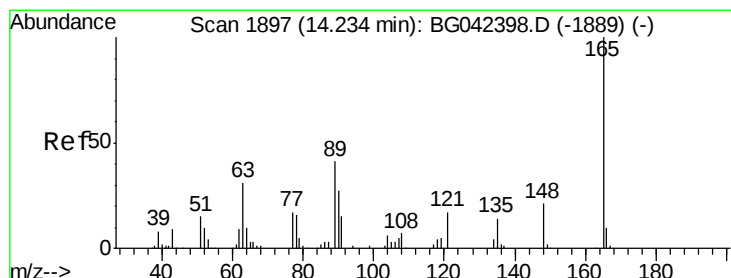
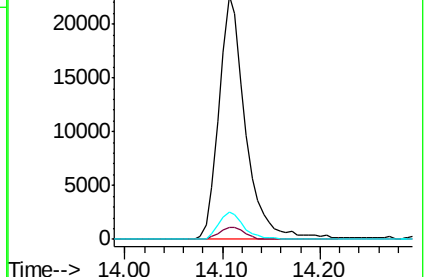
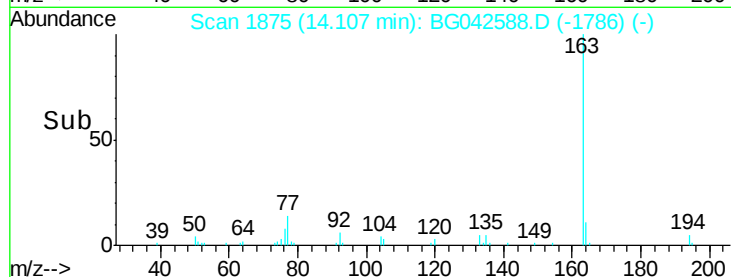
164 11.0 8.8 13.2



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: 7.969 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

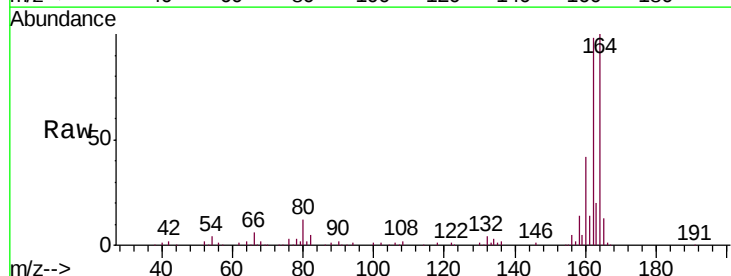
Tgt Ion:165 Resp: 13912

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

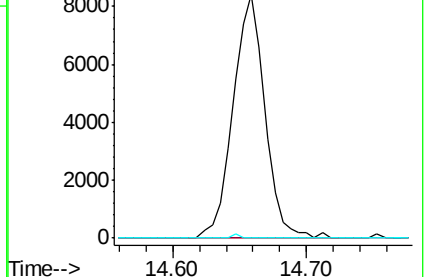
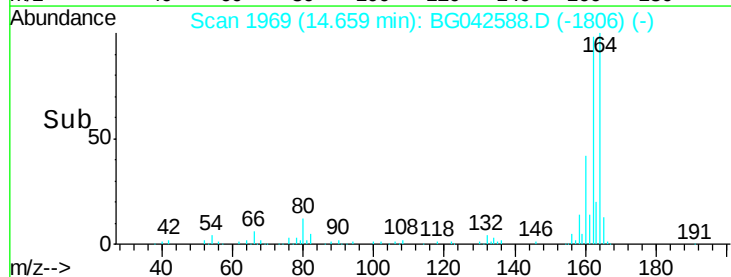
89 0.0 32.6 49.0#

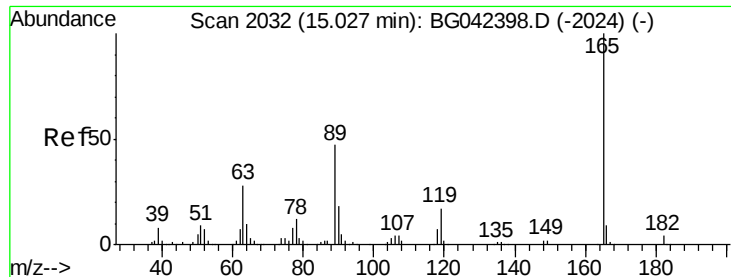


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

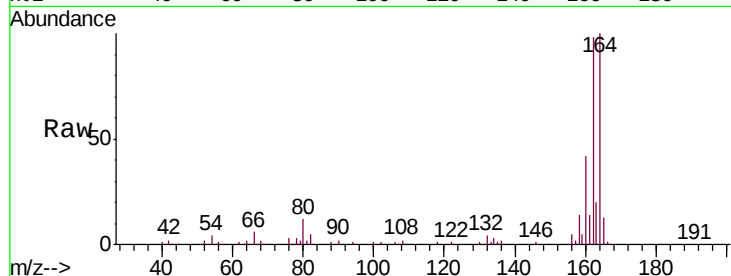




#57
 2,4-Dinitrotoluene
 Concen: 5.565 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

Instrument :
 BNA_G
 ClientSampleId :
 RT-3422

Tgt Ion:	165	Resp:	13912
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#

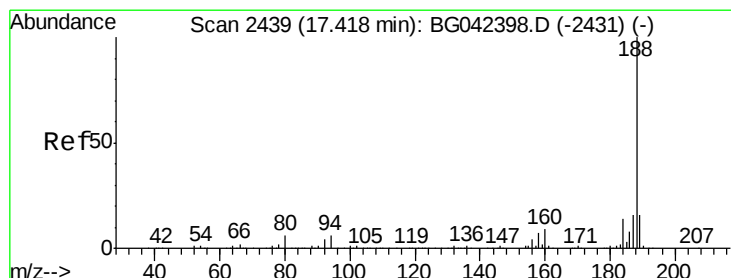
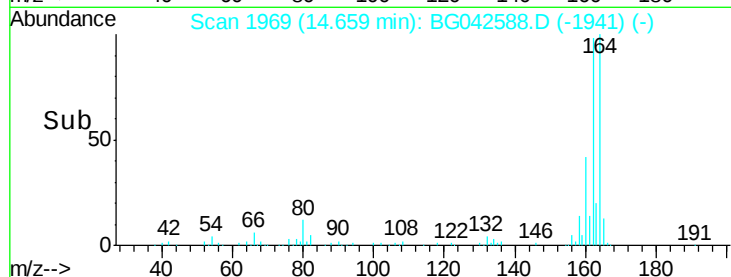
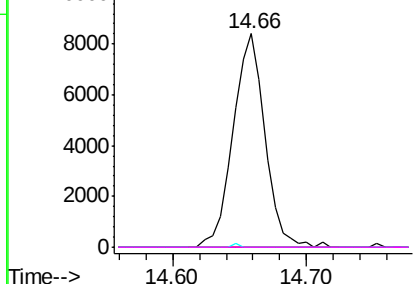


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

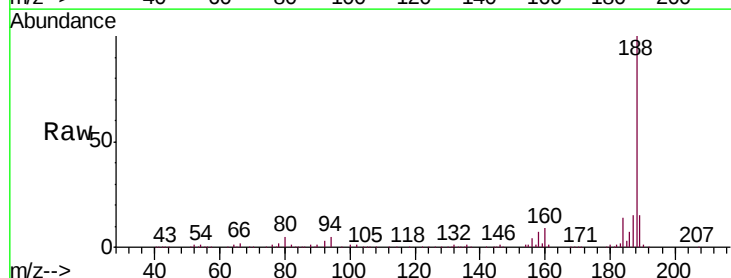
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

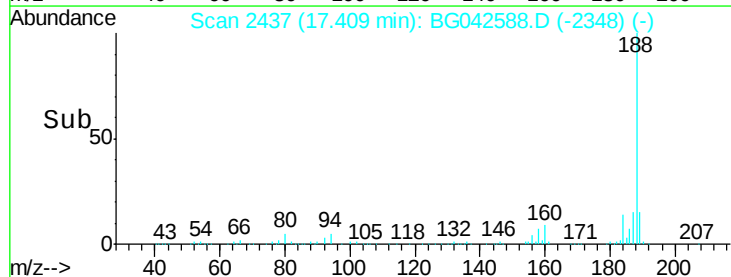
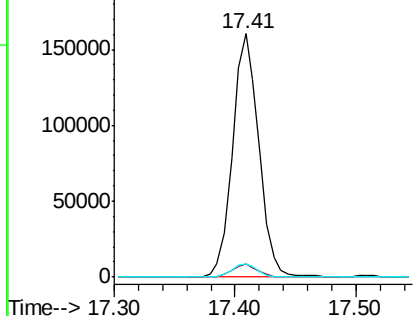
Tgt Ion:	188	Resp:	242200
Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.5	6.7
80	5.2	4.9	7.3

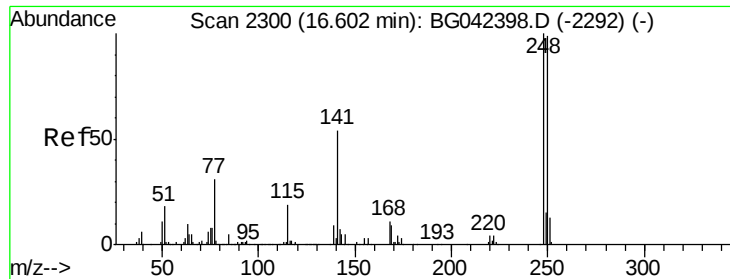


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

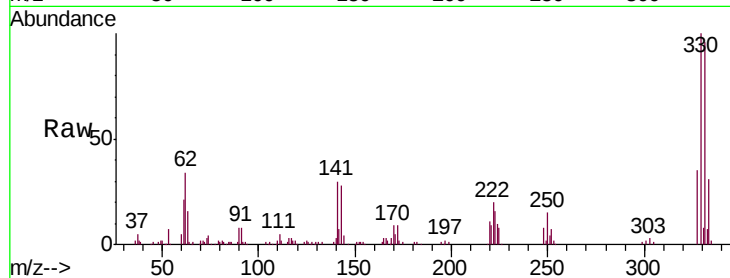




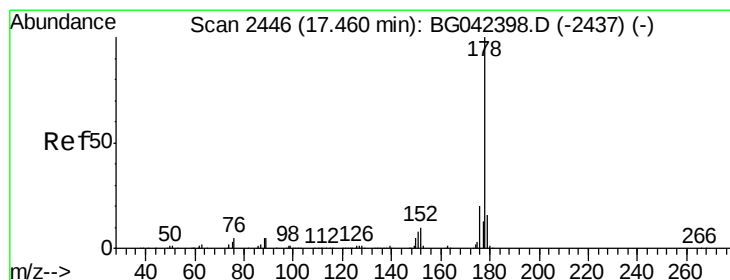
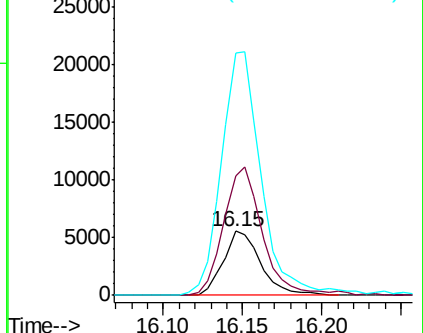
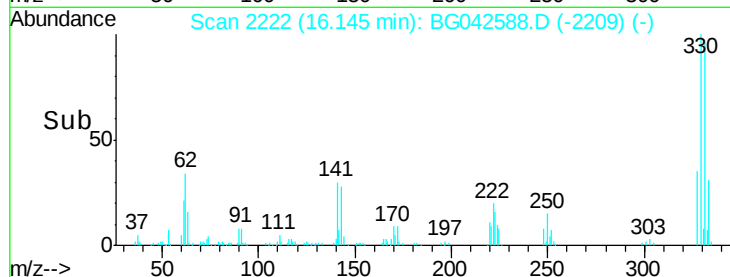
#67
 4-Bromophenyl-phenylether
 Concen: 2.938 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

Instrument :
 BNA_G
 ClientSampleId :
 RT-3422

Tgt Ion: 248 Resp: 9026
 Ion Ratio Lower Upper
 248 100
 250 185.9 78.9 118.3#
 141 379.5 43.3 64.9#

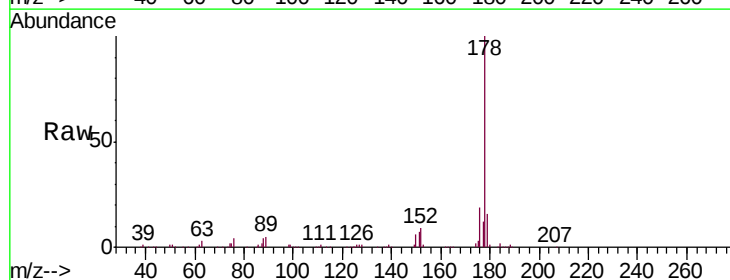


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

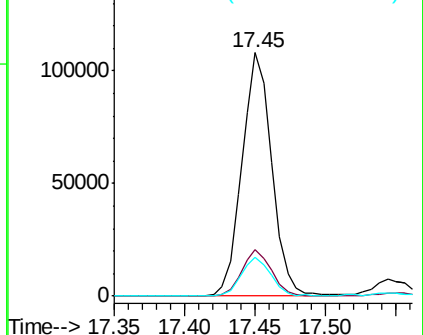
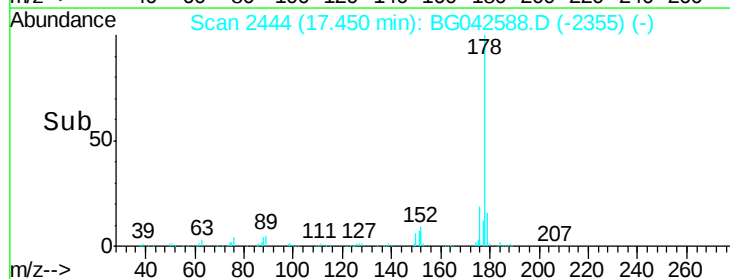


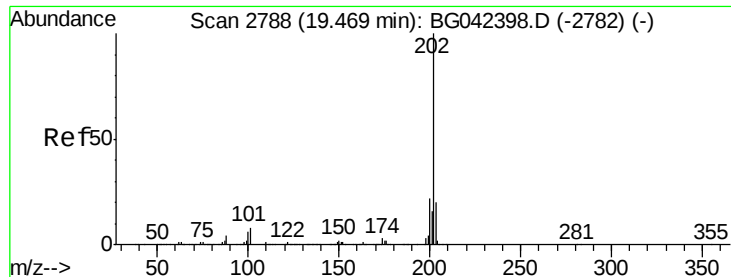
#71
 Phenanthrene
 Concen: 13.277 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

Tgt Ion: 178 Resp: 159728
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 15.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.051 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

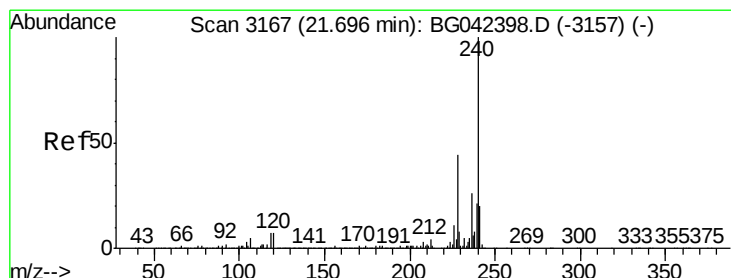
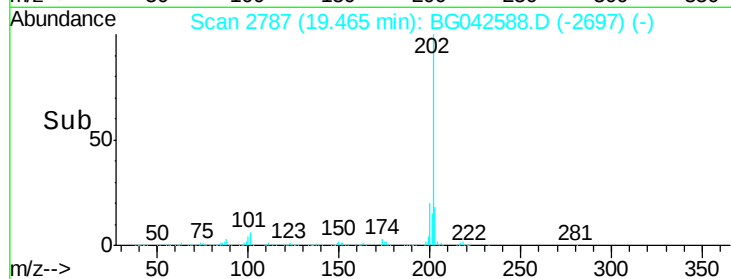
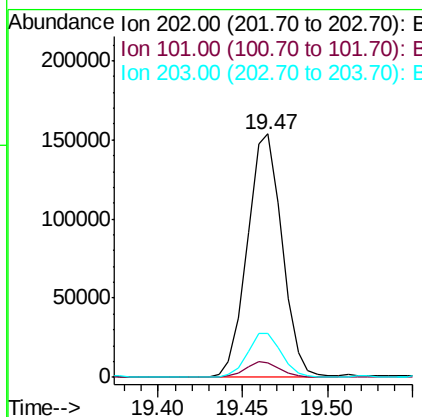
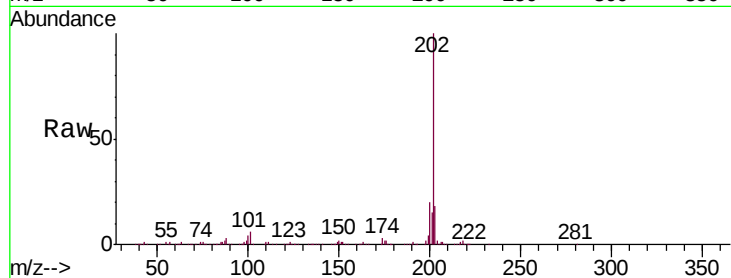
Instrument :

BNA_G

ClientSampleId :

RT-3422

Tgt Ion:	202	Resp:	220986
Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	28.3
203	18.1	0.0	39.6



#76

Chrysene-d12

Concen: 20.000 ng

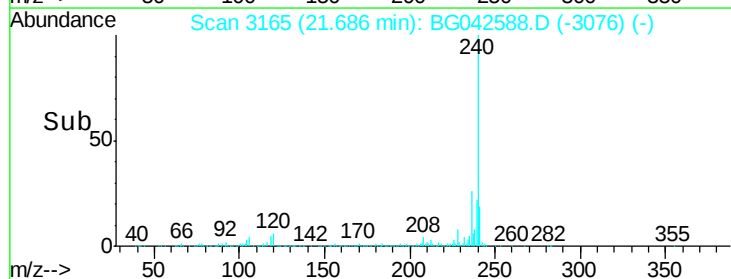
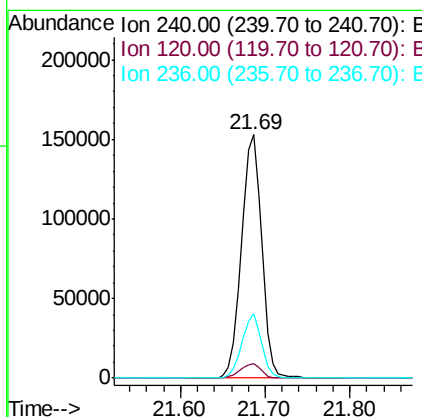
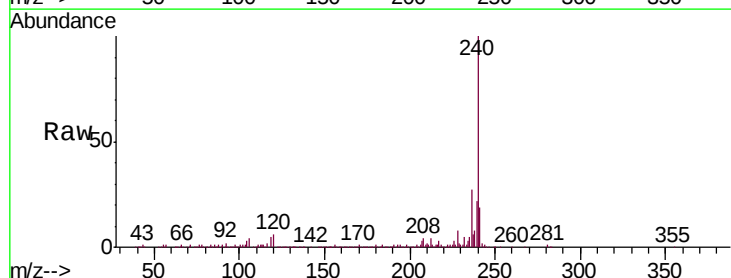
RT: 21.69 min Scan# 3165

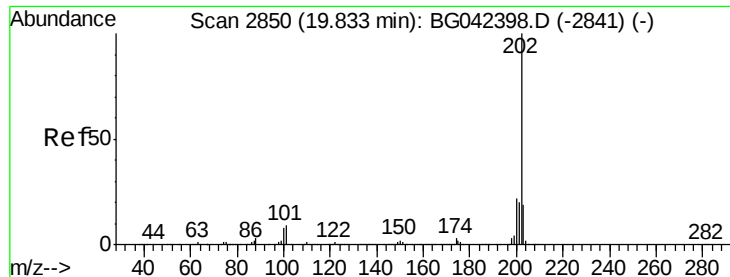
Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion:	240	Resp:	252028
Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.7	8.5
236	26.6	21.0	31.4





#78

Pyrene

Concen: 16.818 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

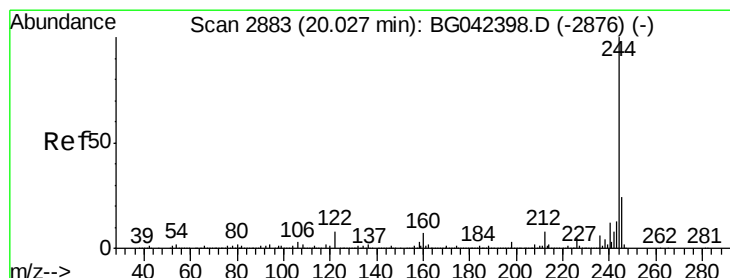
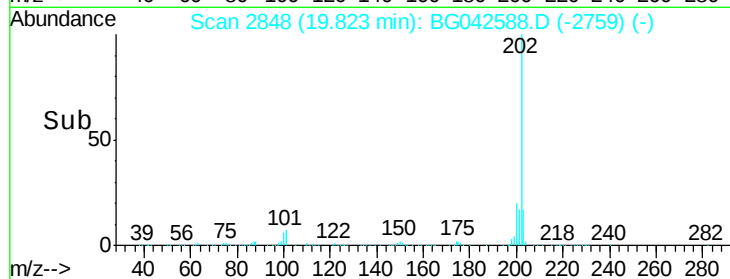
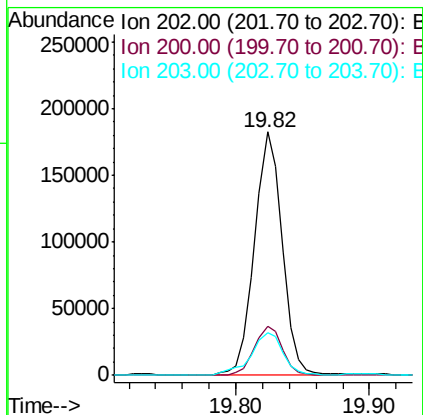
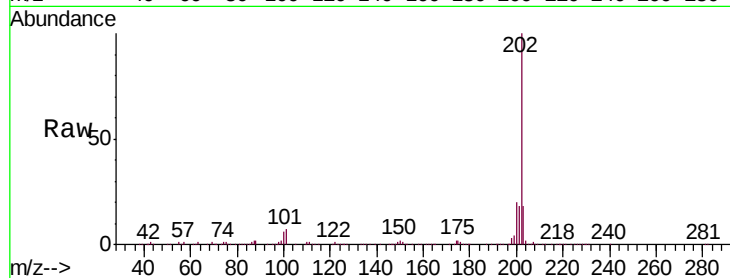
Instrument :

BNA_G

ClientSampleId :

RT-3422

Tgt Ion:	202	Resp:	259861
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.6	15.5	23.3



#79

Terphenyl-d14

Concen: 60.754 ng

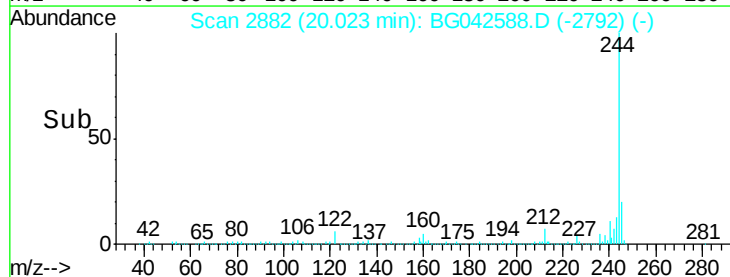
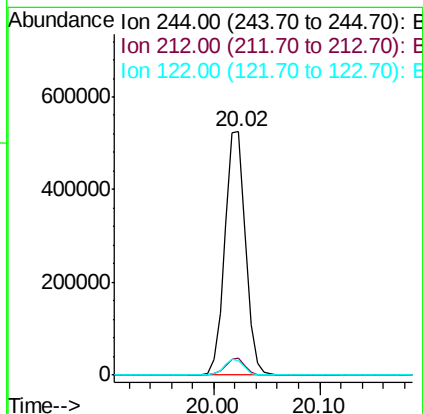
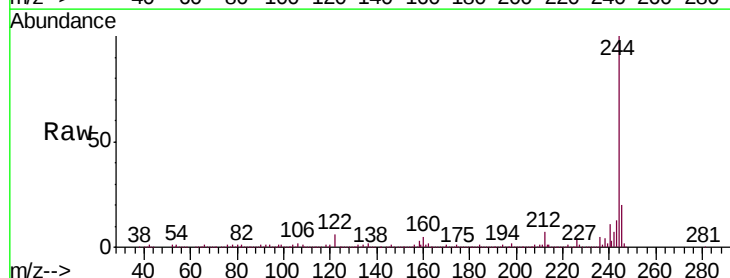
RT: 20.02 min Scan# 2882

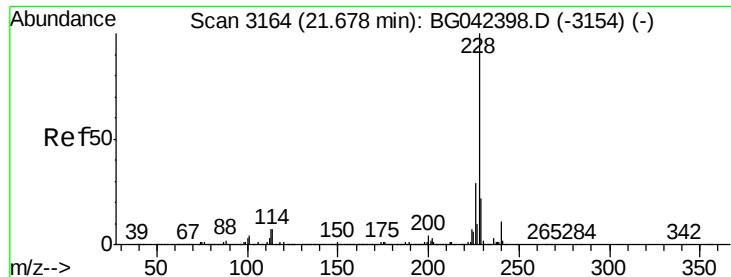
Delta R.T. -0.00 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion:	244	Resp:	708251
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	6.2	6.7	10.1#

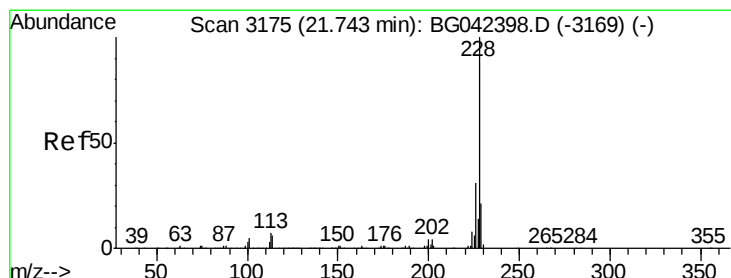
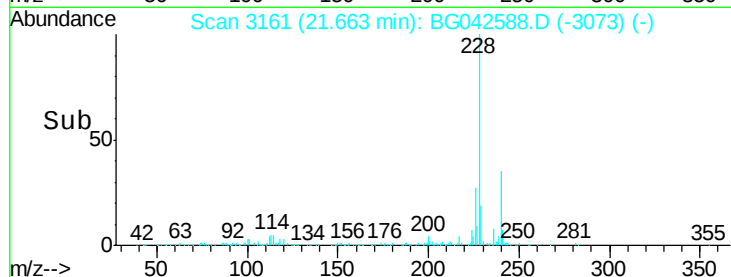
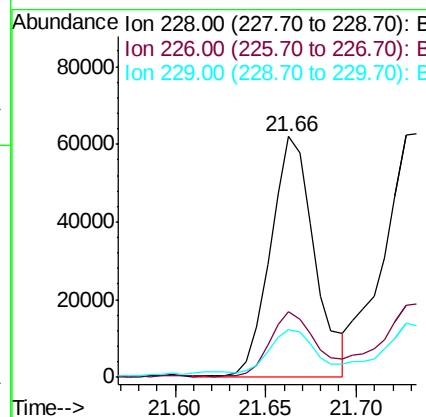
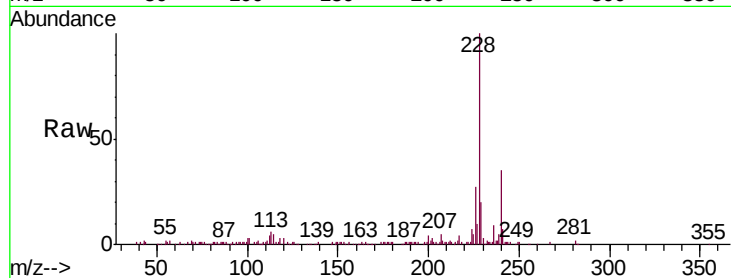




#81
Benzo(a)anthracene
Concen: 6.800 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

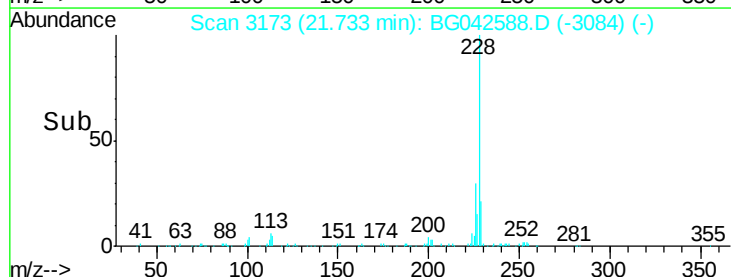
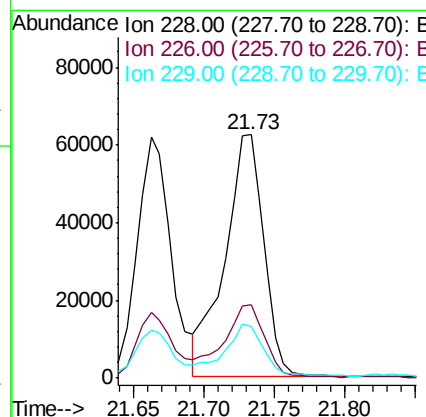
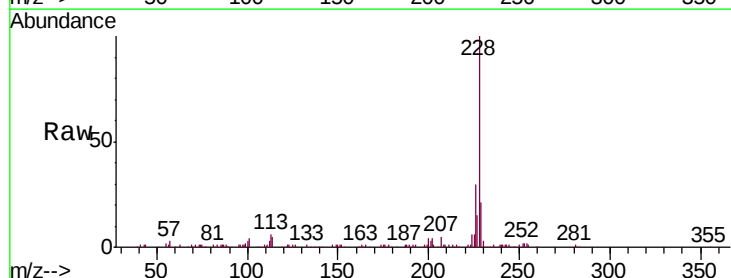
Instrument :
BNA_G
ClientSampleId :
RT-3422

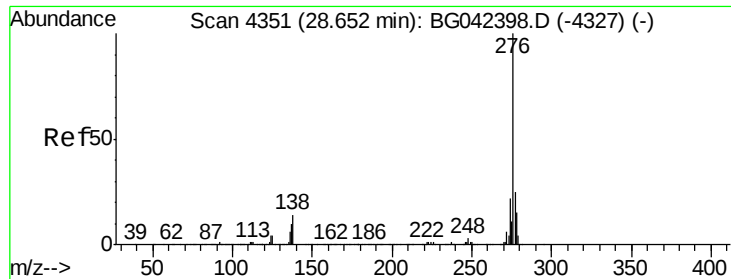
Tgt Ion:228 Resp: 104256
Ion Ratio Lower Upper
228 100
226 27.4 23.4 35.2
229 19.8 17.4 26.2



#83
Chrysene
Concen: 8.146 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion:228 Resp: 120440
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 21.0 16.9 25.3

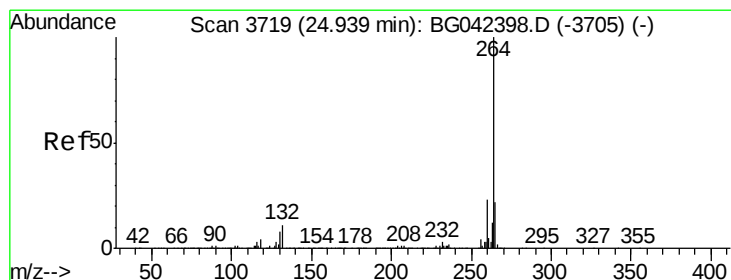
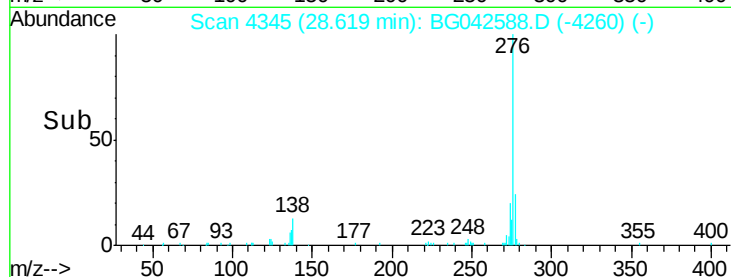
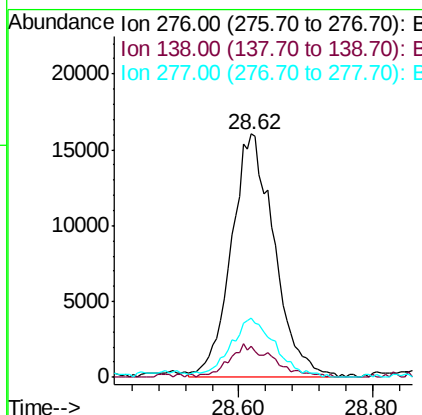
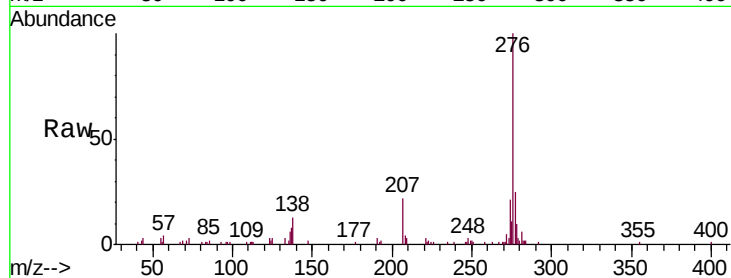




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.561 ng
 RT: 28.62 min Scan# 4345
 Delta R.T. -0.03 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

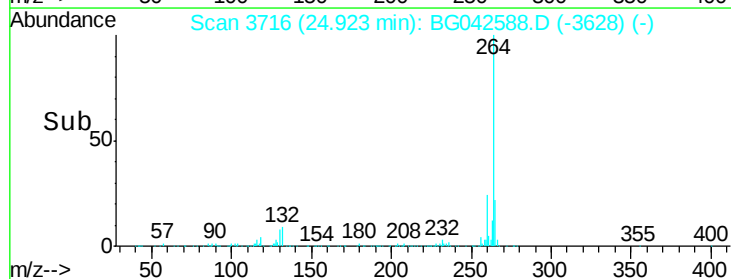
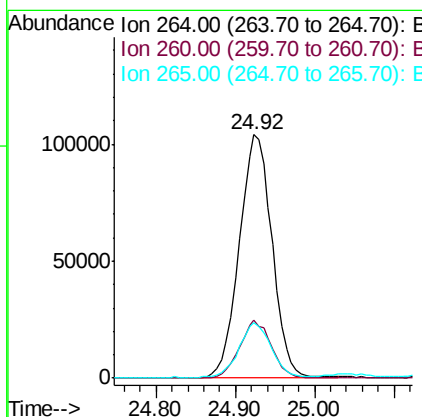
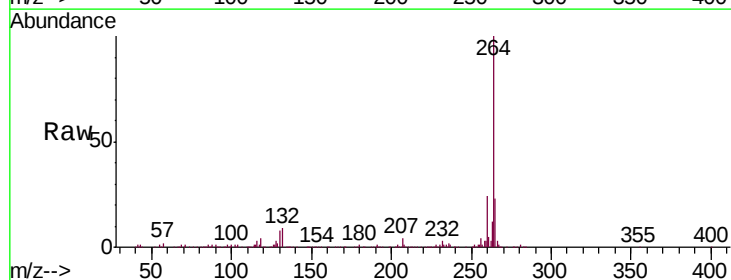
Instrument :
 BNA_G
 ClientSampleId :
 RT-3422

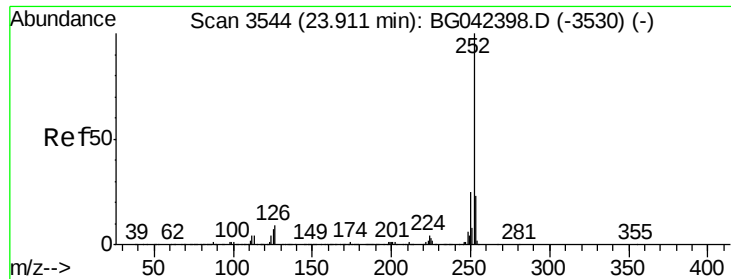
Tgt Ion: 276 Resp: 71544
 Ion Ratio Lower Upper
 276 100
 138 14.0 9.2 13.8#
 277 25.7 21.0 31.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG042588.D
 Acq: 30 Aug 2019 5:48

Tgt Ion: 264 Resp: 299330
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 22.6 17.6 26.4

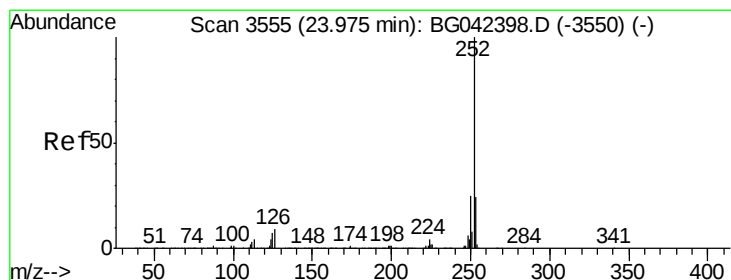
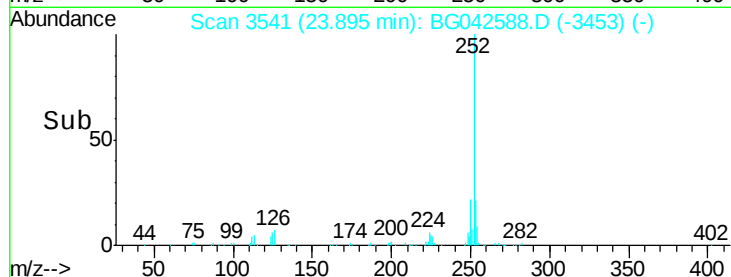
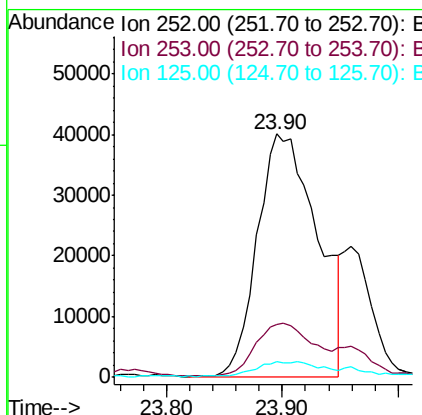
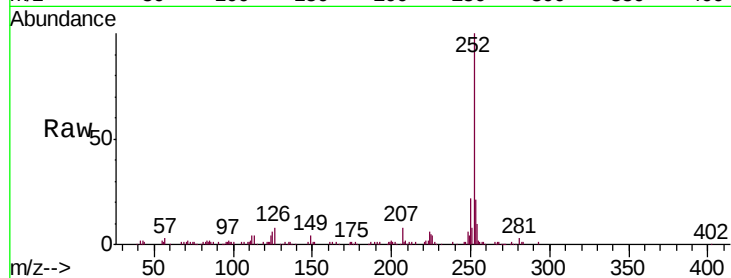




#88
Benzo(b)fluoranthene
Concen: 8.839 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

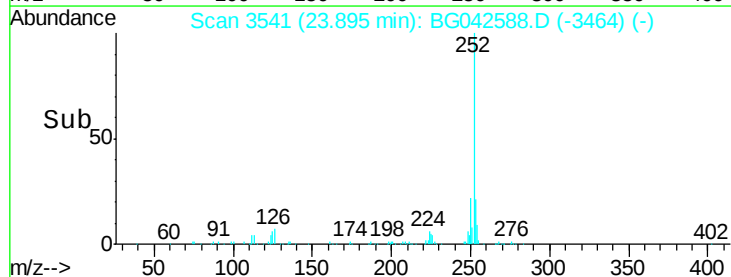
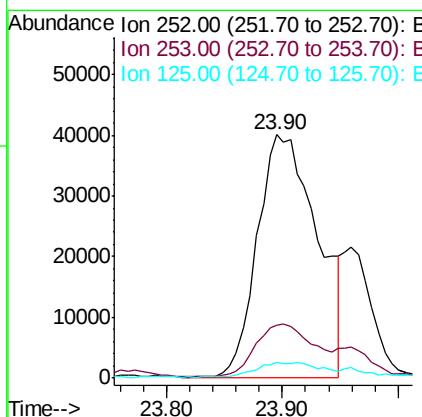
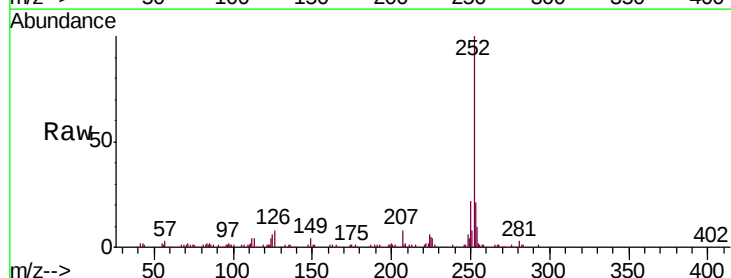
Instrument :
BNA_G
ClientSampleId :
RT-3422

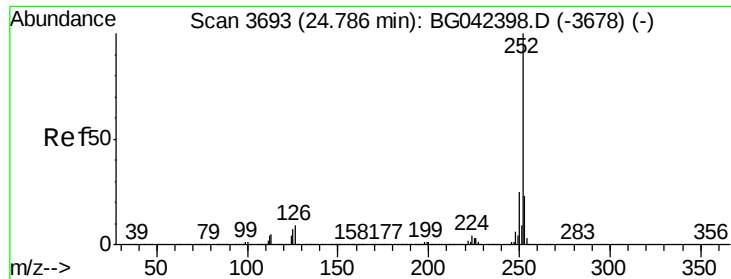
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	6.4	5.6	8.4



#89
Benzo(k)fluoranthene
Concen: 9.195 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	6.4	5.8	8.6





#90

Benzo(a)pyrene

Concen: 5.221 ng

RT: 24.62 min Scan# 3665

Delta R.T. -0.16 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

ClientSampleId :

RT-3422

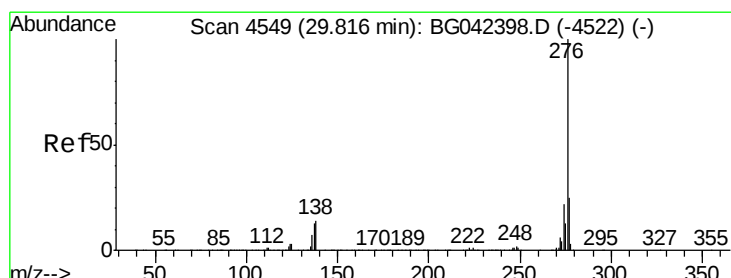
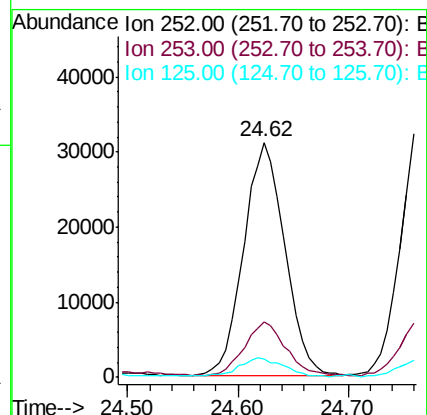
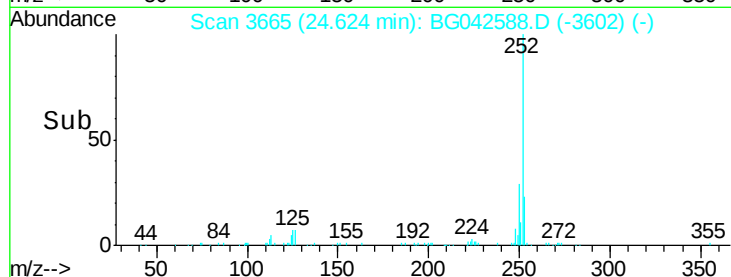
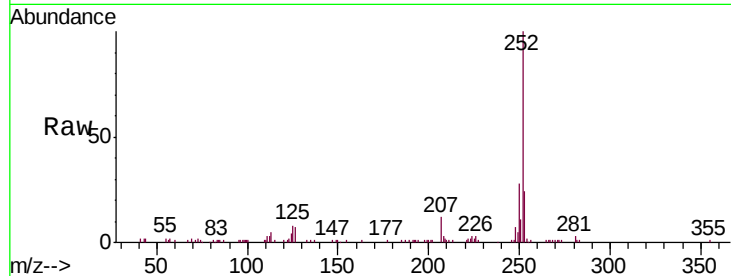
Tgt Ion:252 Resp: 81525

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

125 8.1 6.0 9.0



#92

Benzo(g,h,i)perylene

Concen: 4.858 ng

RT: 29.77 min Scan# 4541

Delta R.T. -0.05 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion:276 Resp: 76821

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.8

138 11.9 11.4 17.0

