

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042523.D
 Acq On : 28 Aug 2019 3:13
 Operator : HP/JU
 Sample : K4526-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 04:04:19 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	7.99	152	43252	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	162092	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	114913	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	257310	20.00	ng	0.00
76) Chrysene-d12	21.68	240	313152	20.00	ng	-0.01
87) Perylene-d12	24.93	264	366193	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	223738	104.77	ng	0.00
7) Phenol-d6	7.16	99	300394	104.13	ng	-0.01
23) Nitrobenzene-d5	9.16	82	175552	74.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	182918	111.99	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	500086	73.60	ng	0.00
79) Terphenyl-d14	20.02	244	917754	63.36	ng	0.00

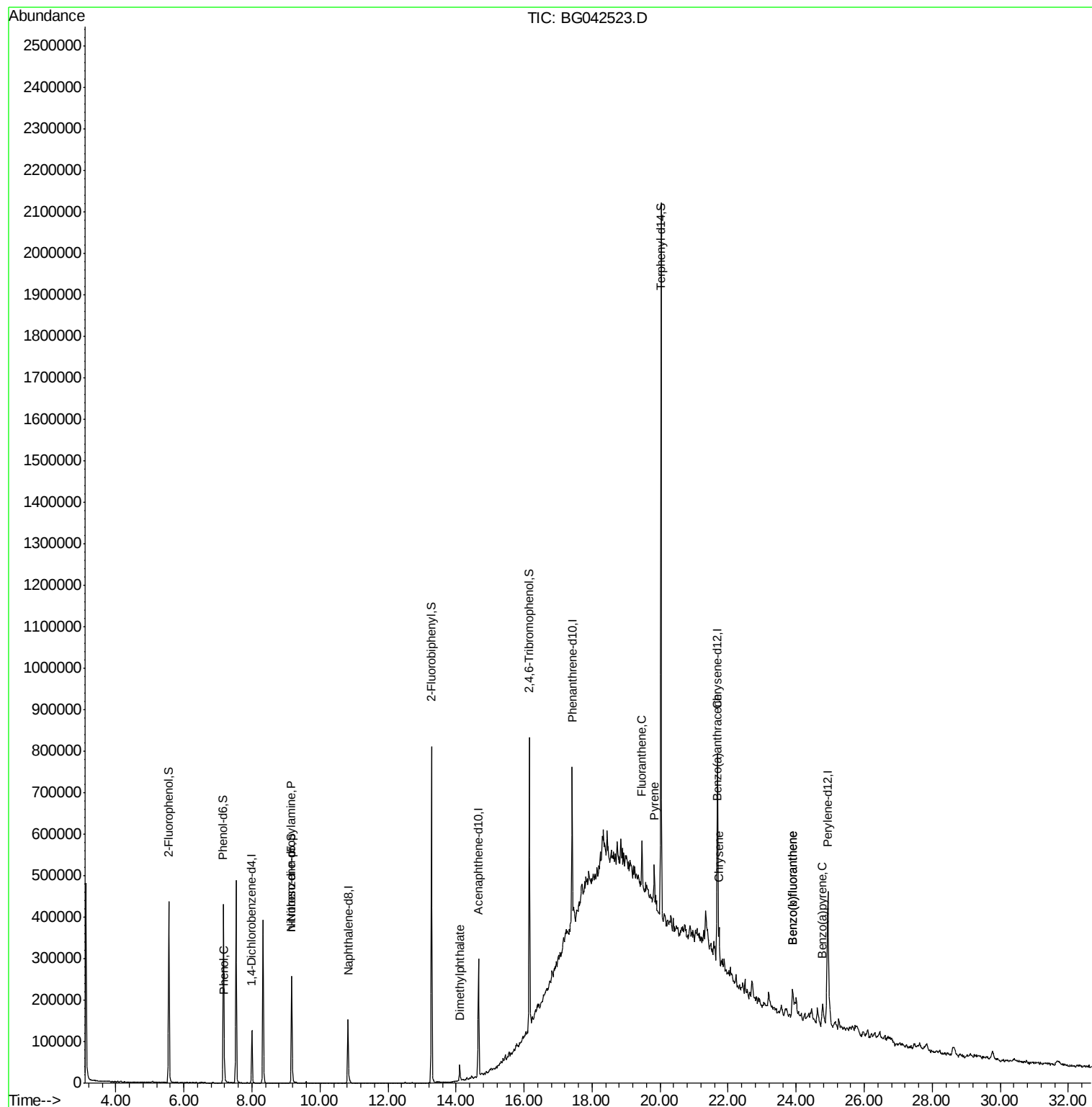
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12829	4.374	ng	85
19) n-Nitroso-di-n-propylamine	9.16	70	22284	11.924	ng	# 72
50) Dimethylphthalate	14.11	163	37611	4.536	ng	100
75) Fluoranthene	19.47	202	77476	4.967	ng	91
78) Pyrene	19.83	202	74832	3.898	ng	95
81) Benzo(a)anthracene	21.67	228	51878	2.723	ng	98
83) Chrysene	21.73	228	48812	2.657	ng	96
88) Benzo(b)fluoranthene	23.90	252	72430	3.598	ng	# 97
89) Benzo(k)fluoranthene	23.90	252	72430	3.743	ng	# 97
90) Benzo(a)pyrene	24.77	252	51747	2.709	ng	# 96

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

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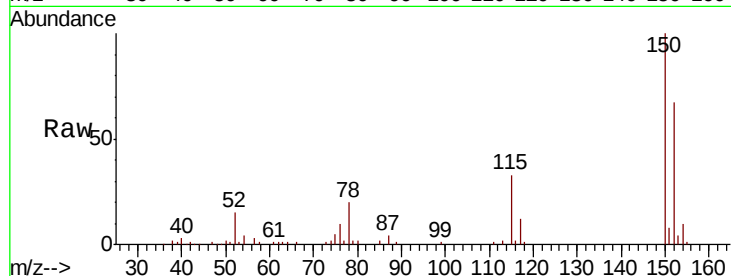


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	125.4	188.0
115	48.9	38.5	57.7

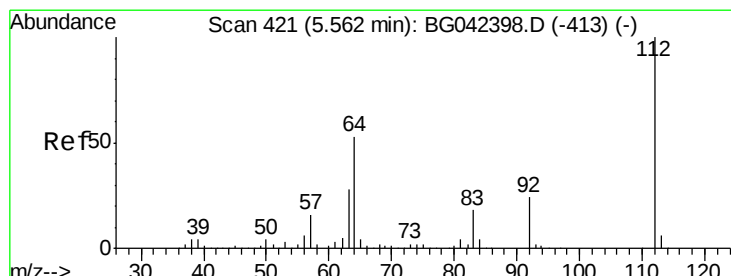
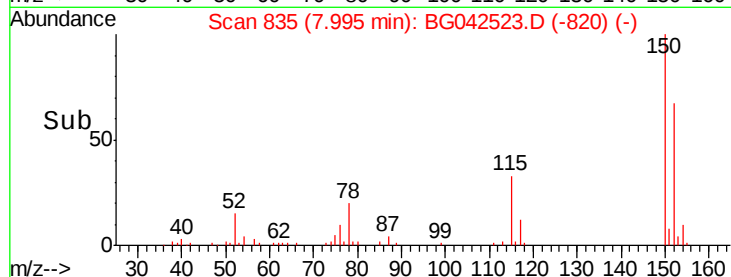
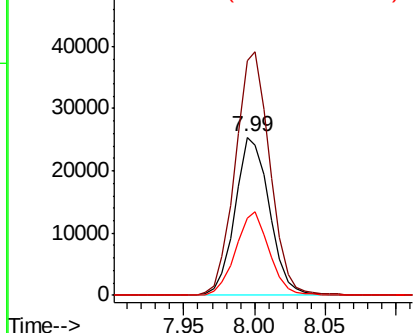


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

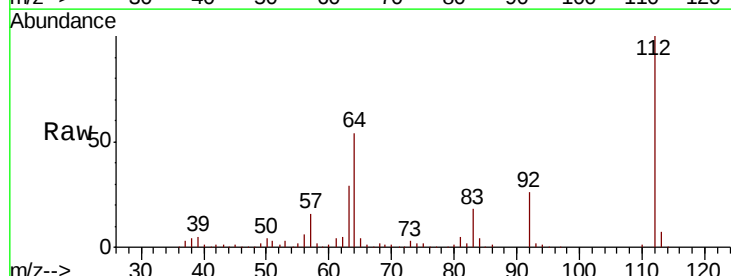
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.766 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.8	64.2
63	29.4	22.7	34.1

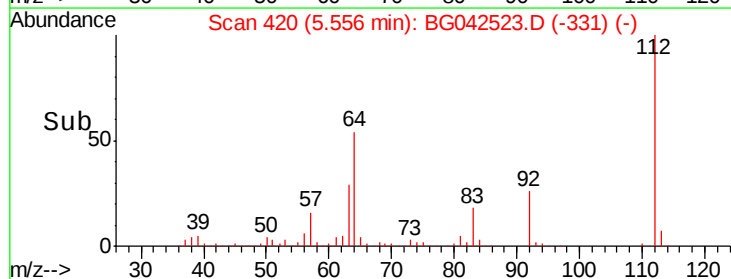
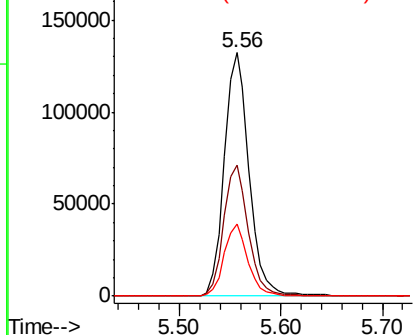


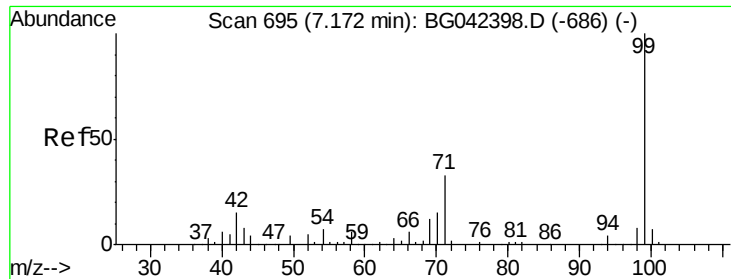
Abundance

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: 104.133 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Instrument :

BNA_G

ClientSampleId :

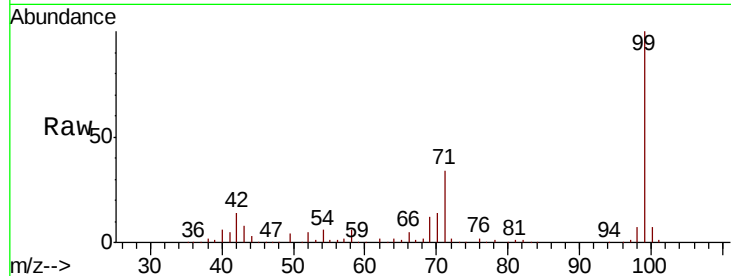
Tot Ion: 99 Resp: 300394

Ion Ratio Lower Upper

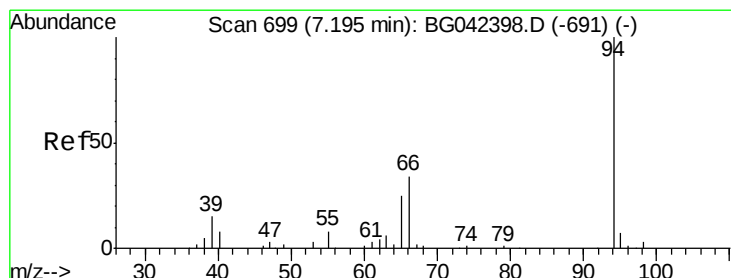
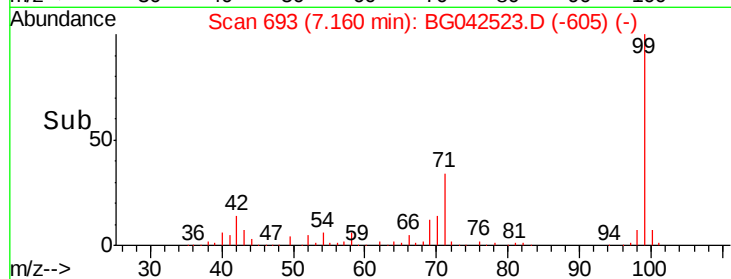
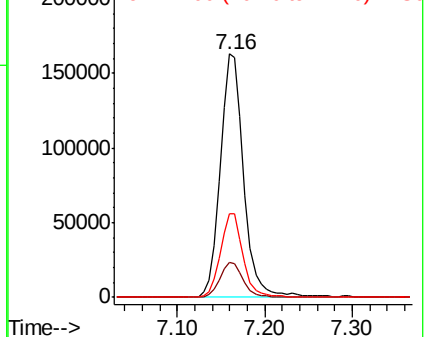
99 100

42 14.3 12.0 18.0

71 34.1 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: 4.374 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

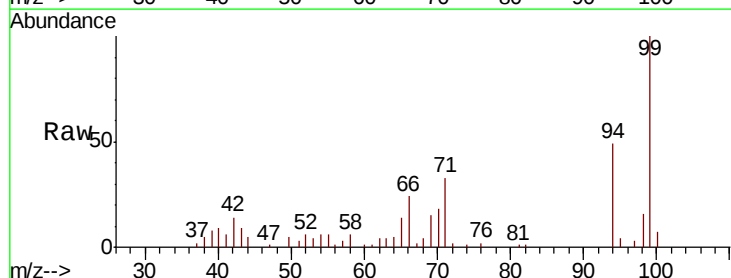
Tgt Ion: 94 Resp: 12829

Ion Ratio Lower Upper

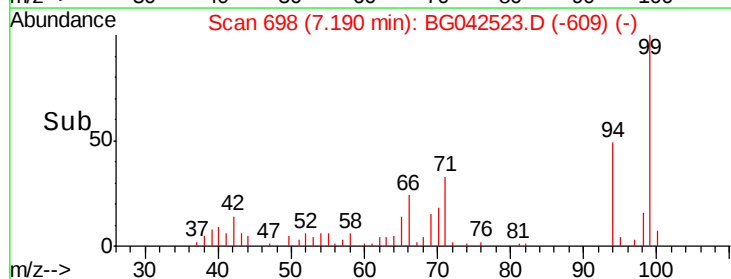
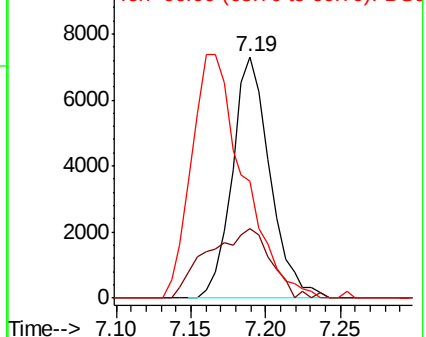
94 100

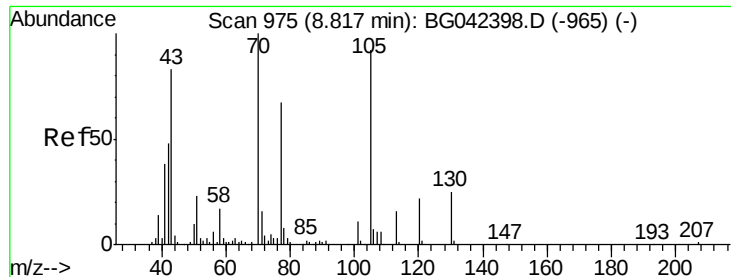
65 29.1 5.6 45.6

66 48.3 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: 11.924 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 22284

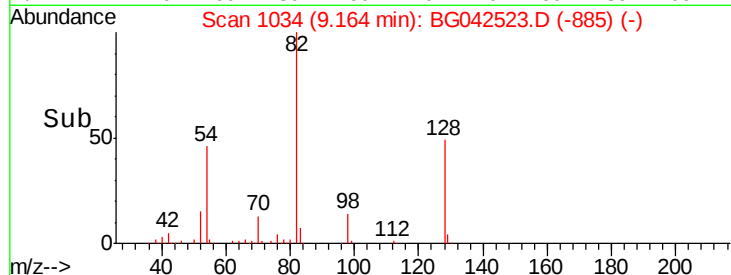
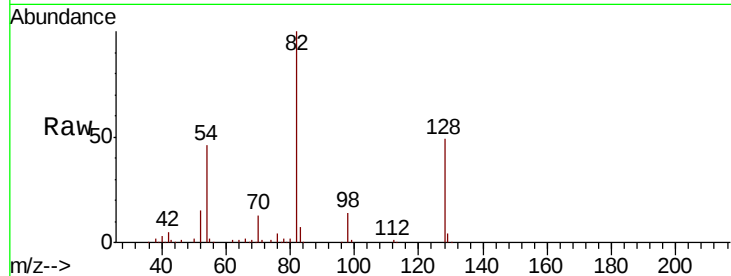
Ion Ratio Lower Upper

70 100

42 34.9 38.8 58.2#

101 0.0 9.0 13.6#

130 3.4 20.0 30.0#

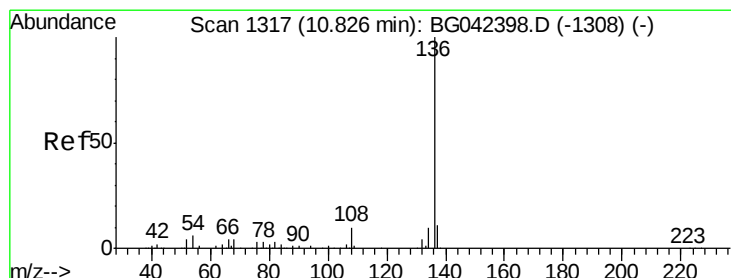
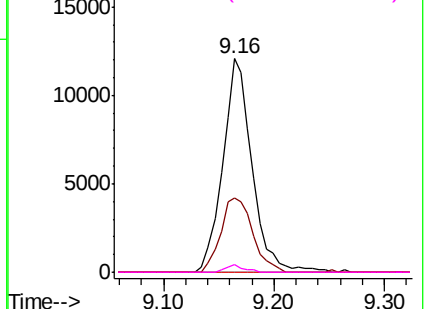


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Tgt Ion: 136 Resp: 162092

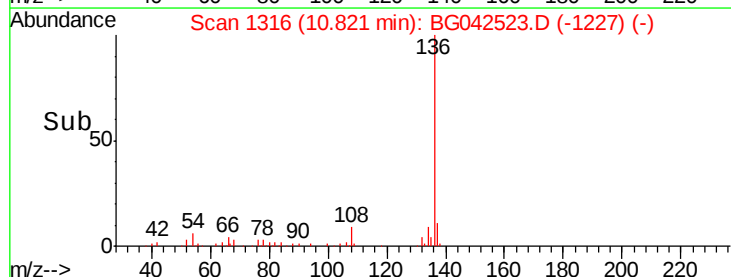
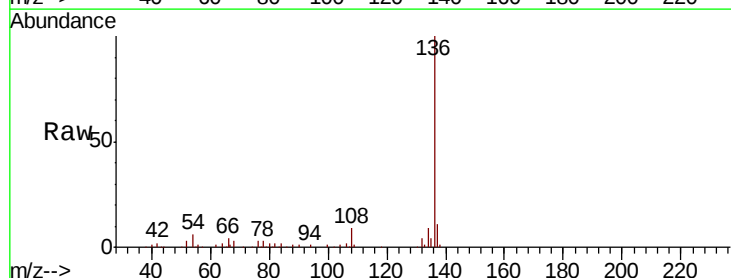
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.0 4.9 7.3

68 3.4 3.6 5.4#

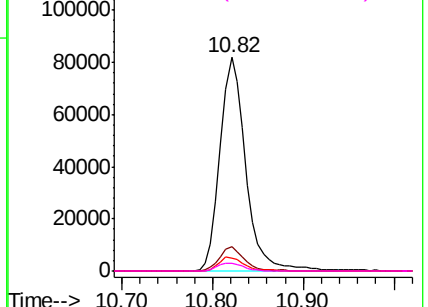


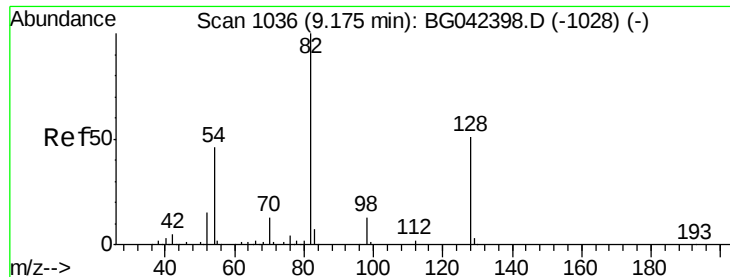
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

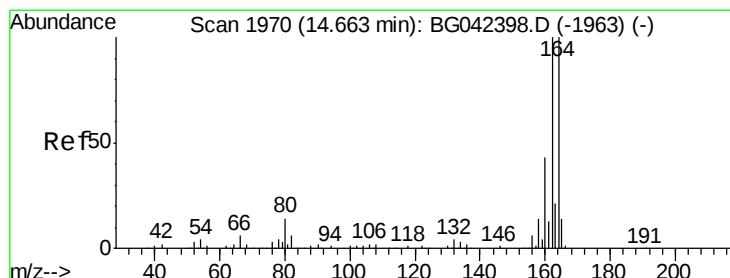
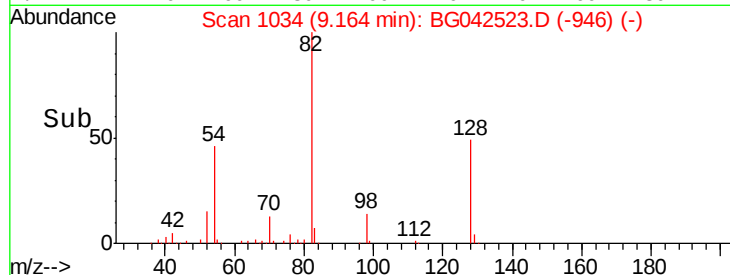
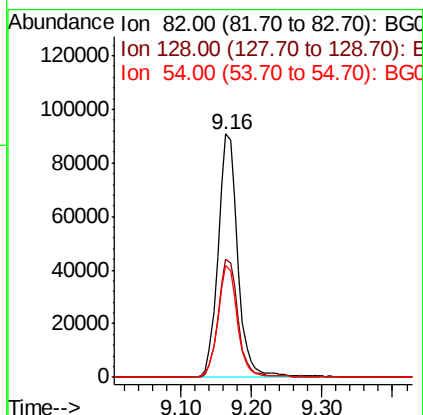
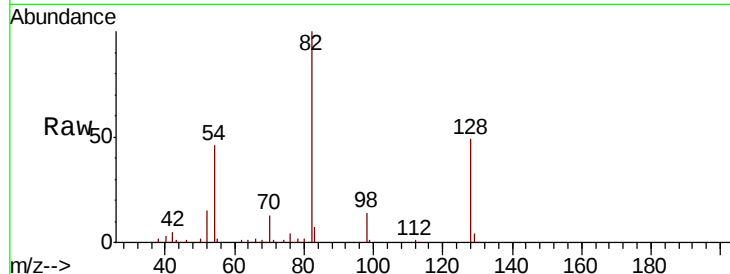




#23
Nitrobenzene-d5
Concen: 74.842 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

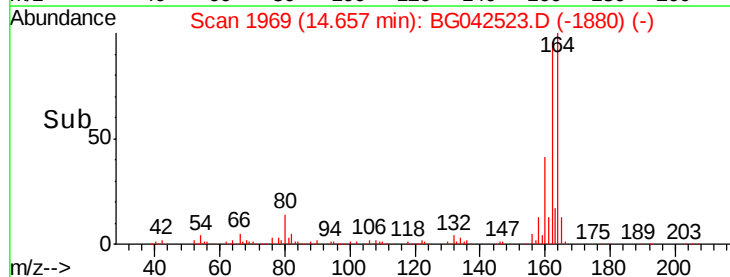
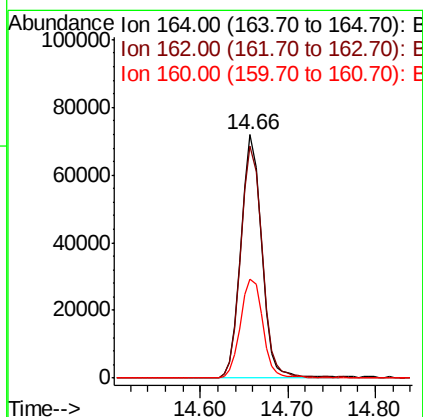
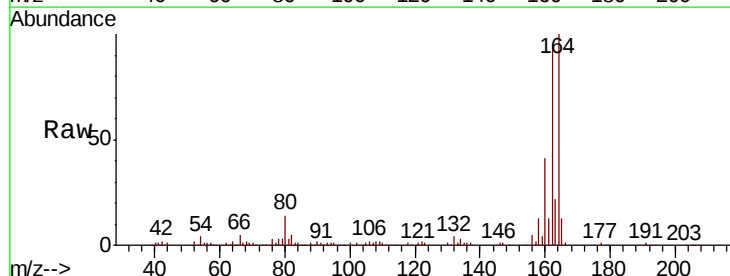
Instrument :
BNA_G
ClientSampleId :

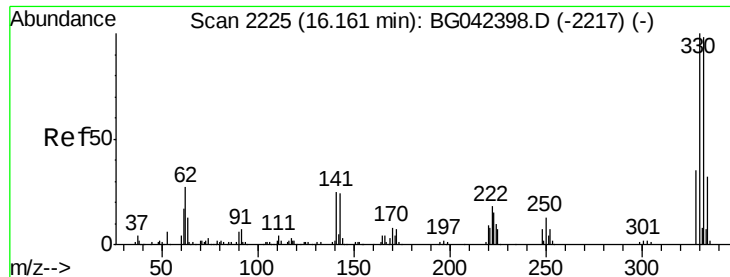
Tot Ion	82	Resp	175552
Ion Ratio	Lower	Upper	
82	100		
128	48.5	40.7	61.1
54	46.2	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion	164	Resp	114913
Ion Ratio	Lower	Upper	
164	100		
162	95.3	79.9	119.9
160	40.9	34.3	51.5

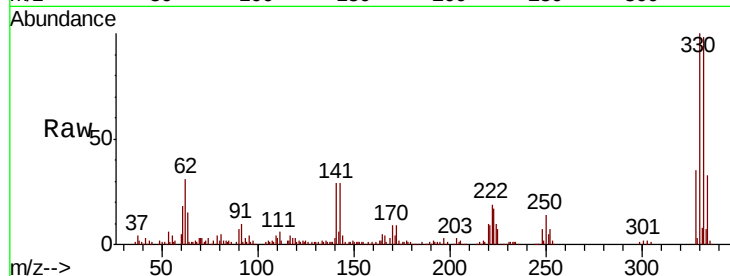




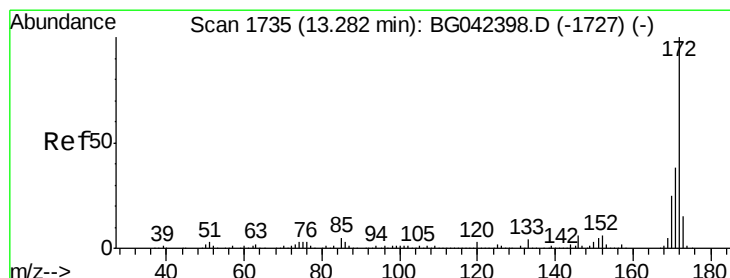
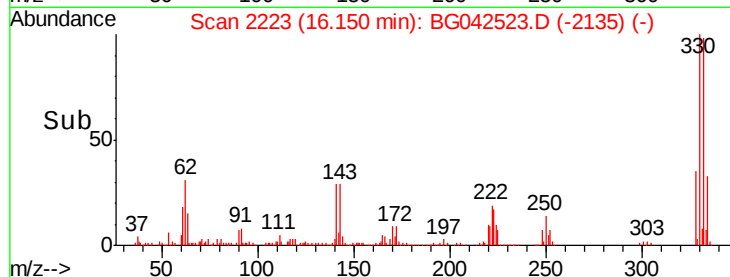
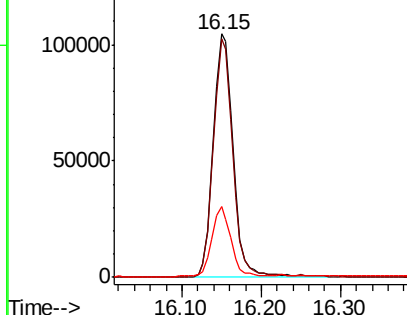
#42
 2,4,6-Tribromophenol
 Concen: 111.993 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042523.D
 Acq: 28 Aug 2019 3:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.0
141	27.8	21.4	32.0

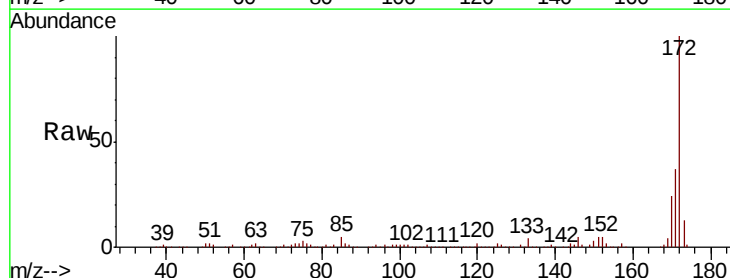


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

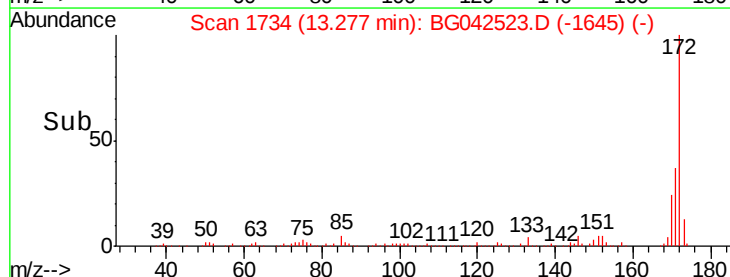
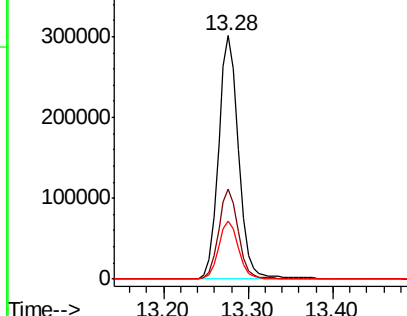


#45
 2-Fluorobiphenyl
 Concen: 73.602 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042523.D
 Acq: 28 Aug 2019 3:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.5	45.7
170	24.1	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

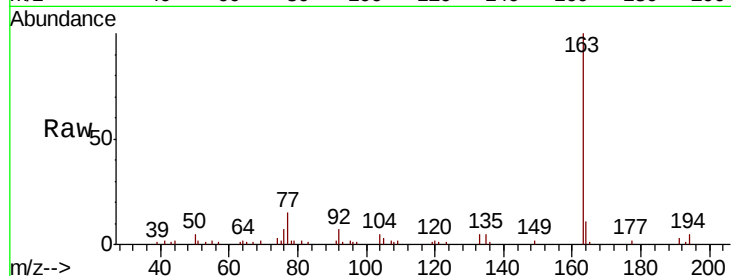




#50
Dimethylphthalate
Concen: 4.536 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Instrument :
BNA_G
ClientSampled :

Tot Ion	163	Resp	37611
Ion Ratio	Lower	Upper	
163	100		
194	5.0	4.2	6.2
164	11.0	8.8	13.2

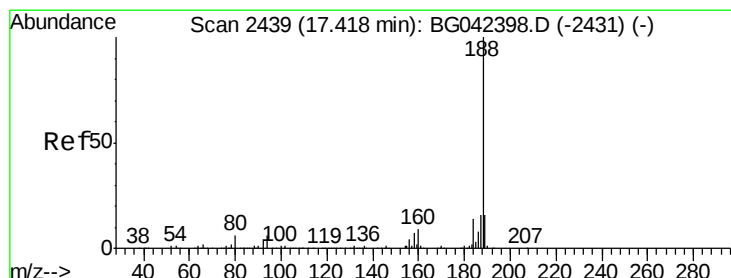
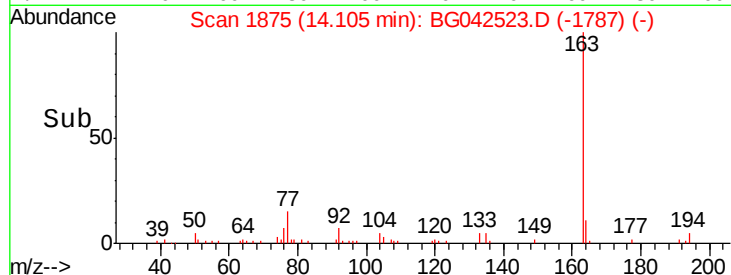
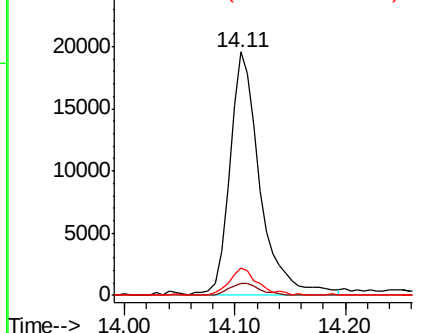


Abundance

Ion 163.00 (162.70 to 163.70): E

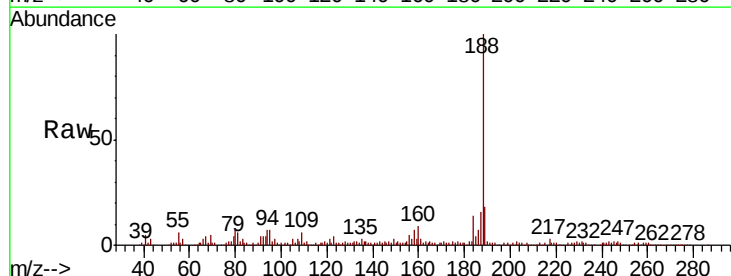
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion	188	Resp	257310
Ion Ratio	Lower	Upper	
188	100		
94	6.7	4.5	6.7#
80	6.8	4.9	7.3

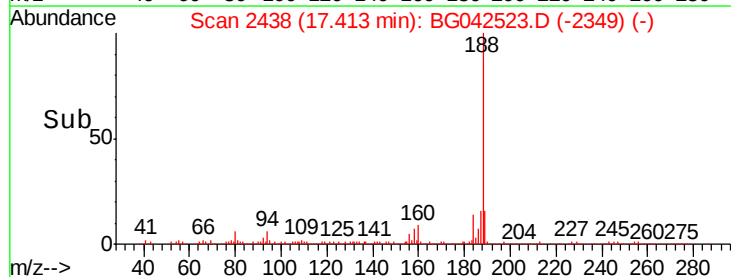
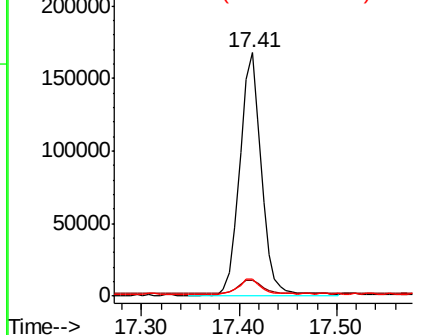


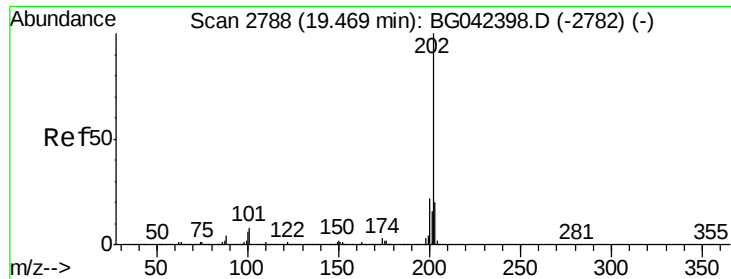
Abundance

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





#75

Fluoranthene

Concen: 4.967 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG042523.D

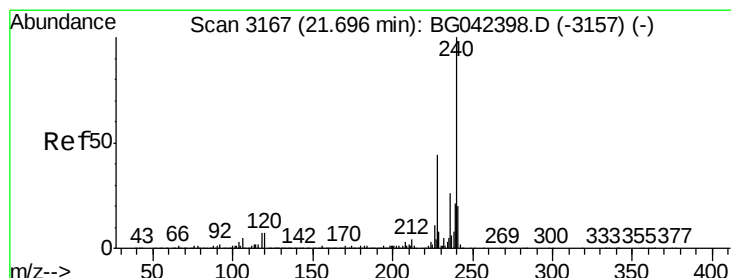
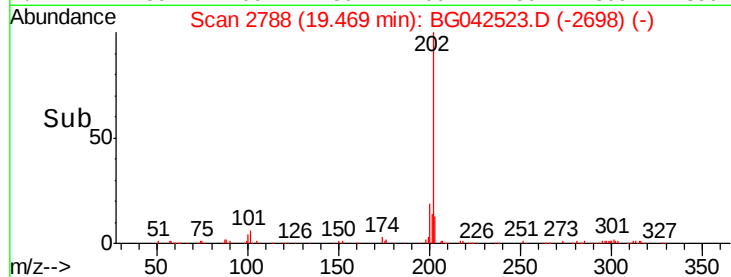
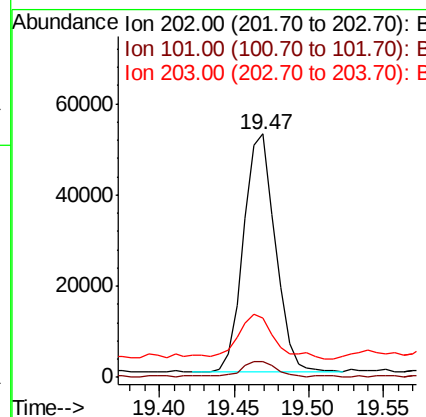
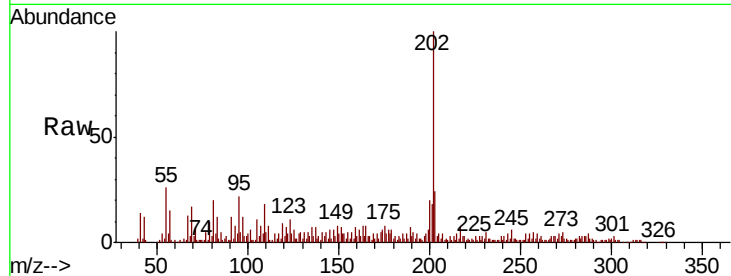
Acq: 28 Aug 2019 3:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	77476
Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	28.3
203	24.4	0.0	39.6



#76

Chrysene-d12

Concen: 20.000 ng

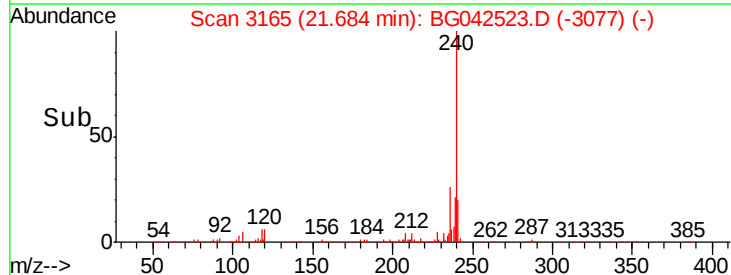
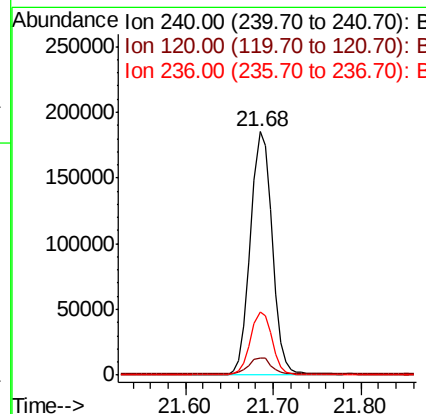
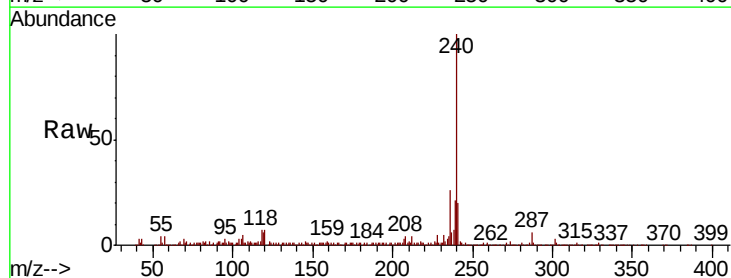
RT: 21.68 min Scan# 3165

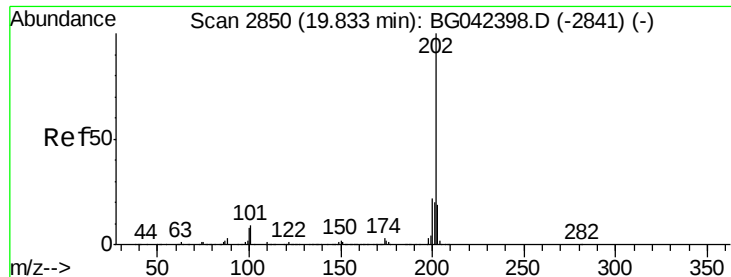
Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Tgt Ion:	240	Resp:	313152
Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	25.8	21.0	31.4





#78

Pvrene

Concen: 3.898 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Instrument :

BNA_G

ClientSampleId :

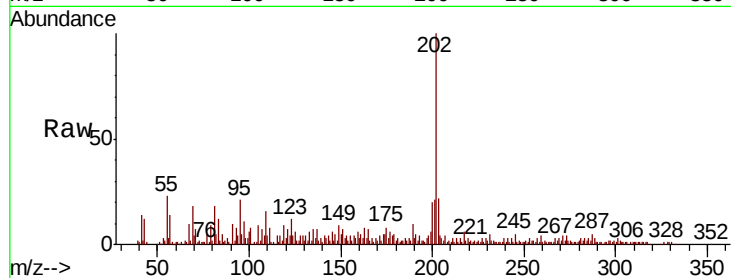
Tot Ion:202 Resp: 74832

Ion Ratio Lower Upper

202 100

200 20.1 17.8 26.6

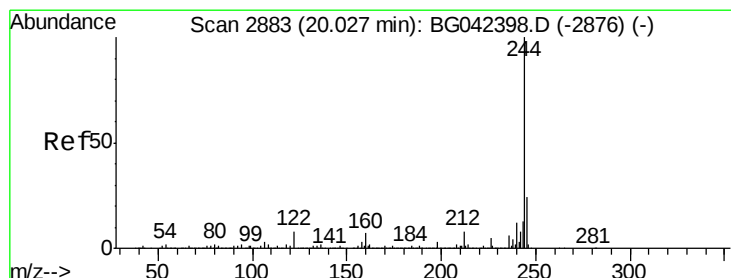
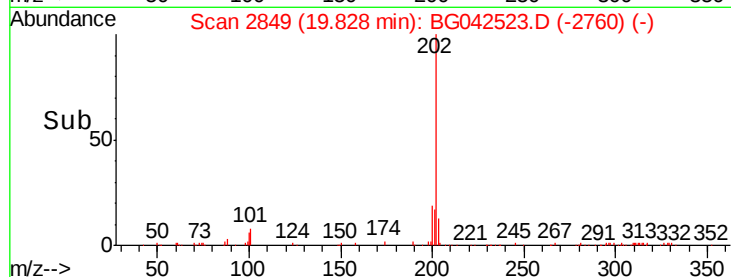
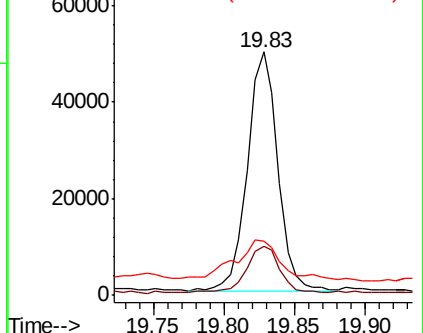
203 22.4 15.5 23.3



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: 63.359 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

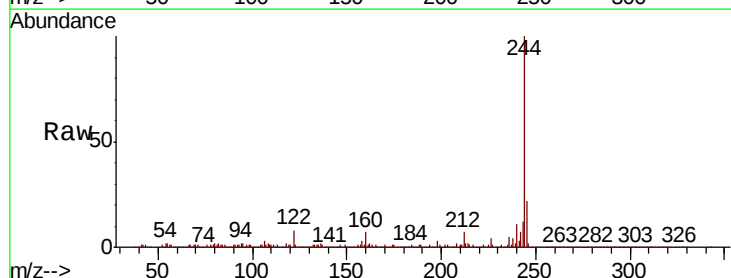
Tgt Ion:244 Resp: 917754

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

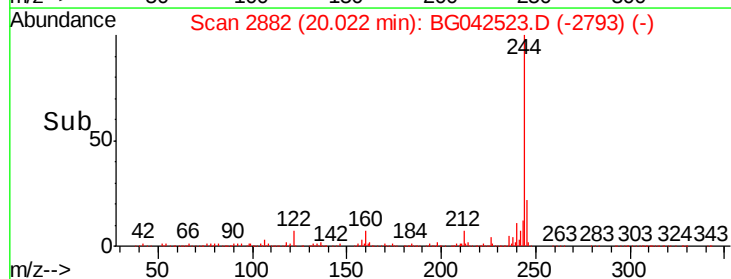
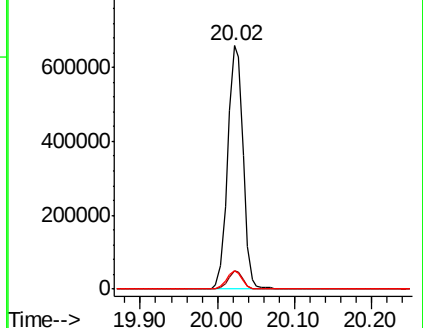
122 7.6 6.7 10.1

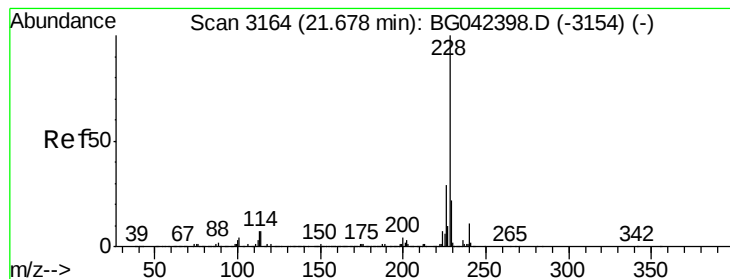


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.723 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Instrument :

BNA_G

ClientSampleId :

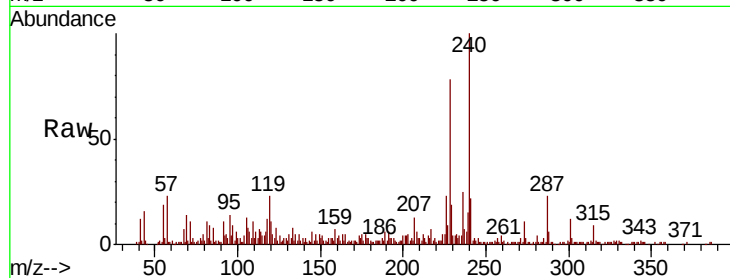
Tot Ion:228 Resp: 51878

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

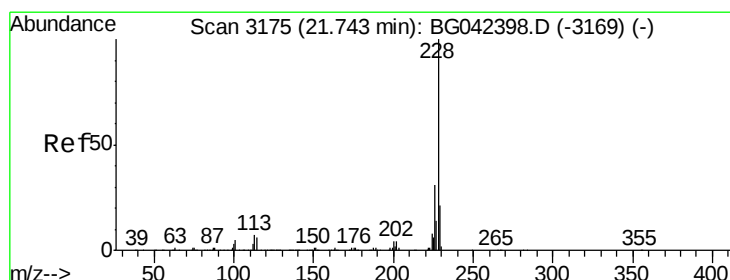
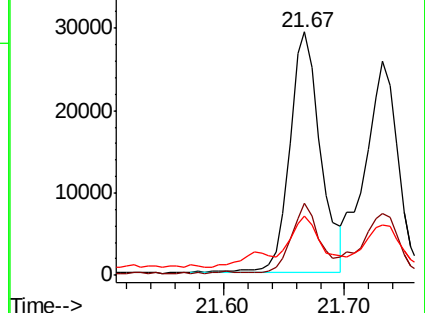
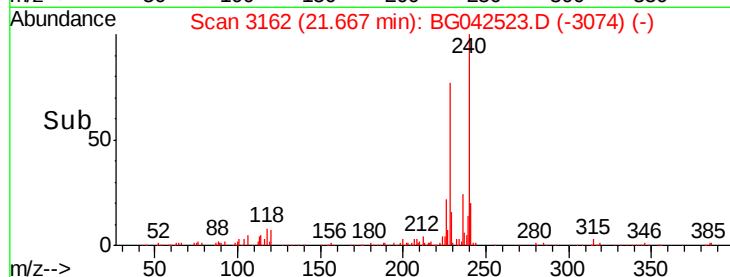
229 24.3 17.4 26.2



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: 2.657 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

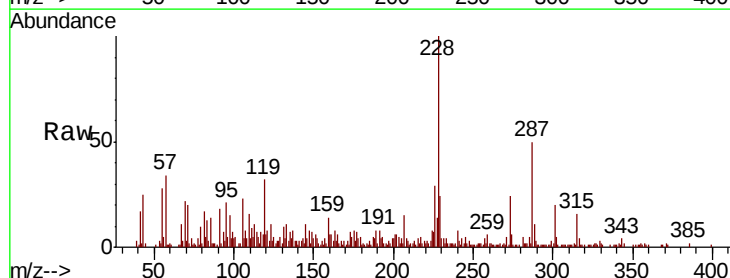
Tgt Ion:228 Resp: 48812

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

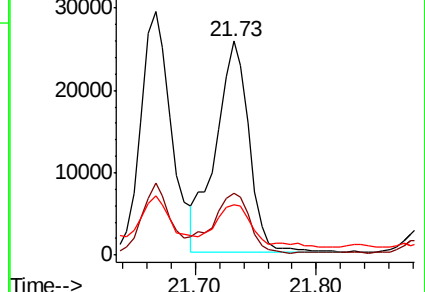
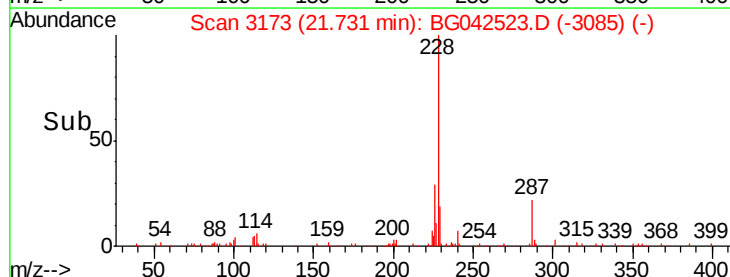
229 23.5 16.9 25.3

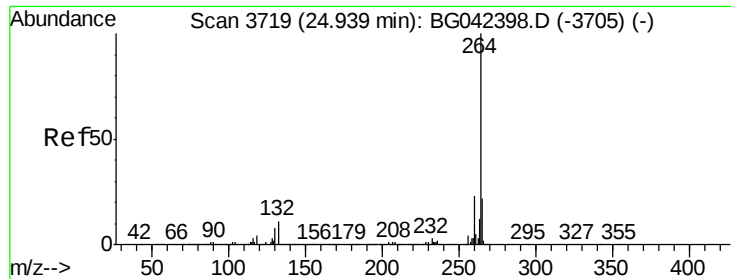


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

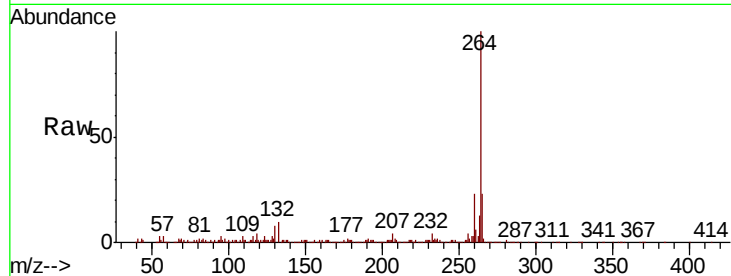
Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 366193

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	23.0	17.6	26.4

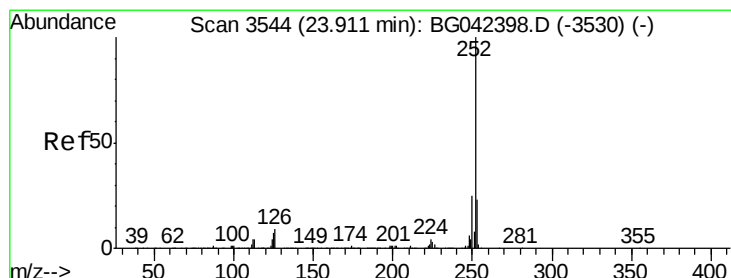
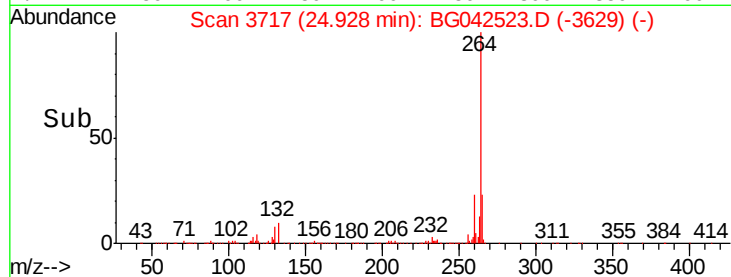
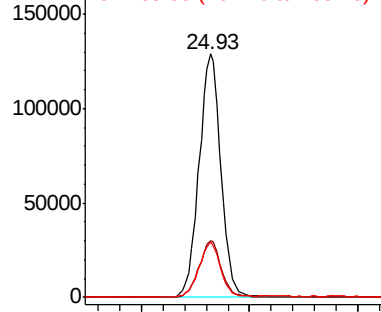


Abundance

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: 3.598 ng

RT: 23.90 min Scan# 3542

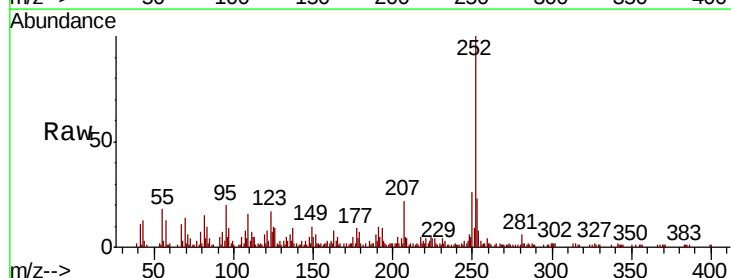
Delta R.T. -0.01 min

Lab File: BG042523.D

Acq: 28 Aug 2019 3:13

Tgt Ion:252 Resp: 72430

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	9.8	5.6	8.4

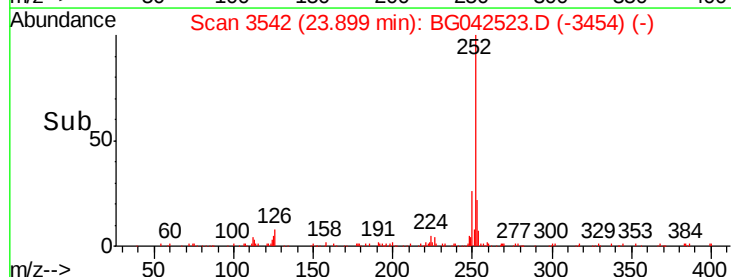
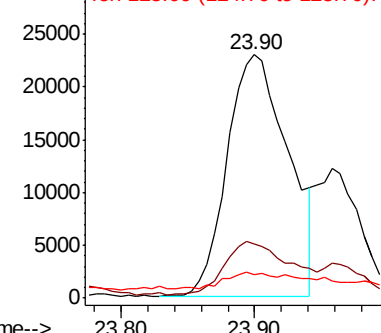


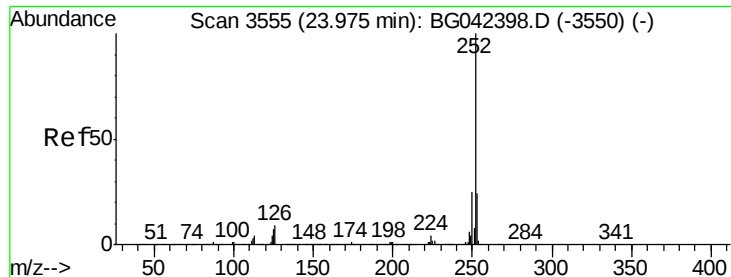
Abundance

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

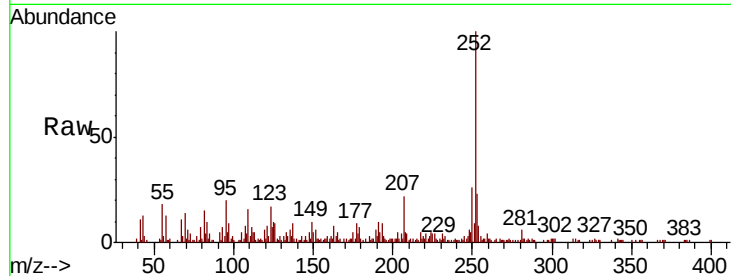




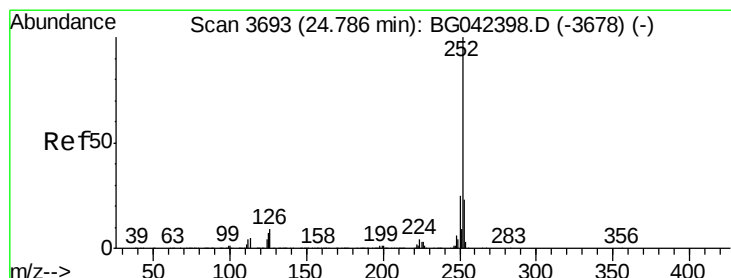
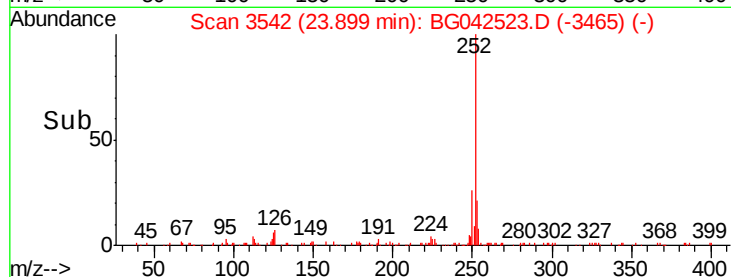
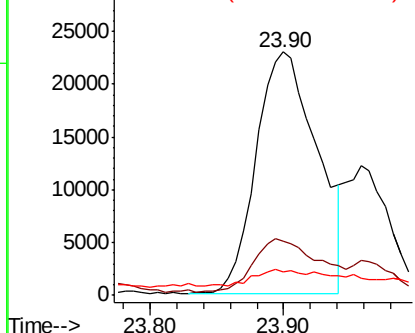
#89
Benzo(k)fluoranthene
Concen: 3.743 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.08 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 72430
Ion Ratio Lower Upper
252 100
253 22.5 18.6 27.8
125 9.8 5.8 8.6#

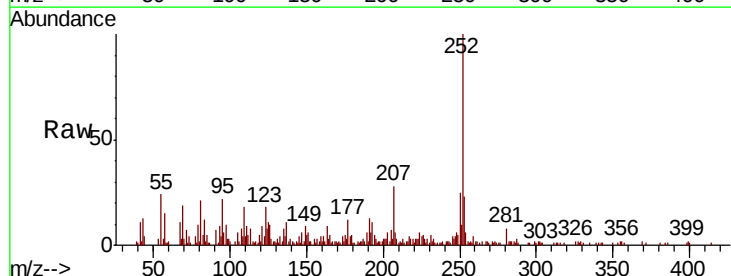


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.709 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042523.D
Acq: 28 Aug 2019 3:13

Tgt Ion:252 Resp: 51747
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 11.4 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

