

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042480.D
 Acq On : 25 Aug 2019 16:25
 Operator : HP/JU
 Sample : K4493-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 06:33:07 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	47883	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	188817	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	140184	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	341959	20.00	ng	0.00
76) Chrysene-d12	21.69	240	349086	20.00	ng	0.00
87) Perylene-d12	24.93	264	409234	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	240547	101.74	ng	0.00
7) Phenol-d6	7.16	99	332173	104.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	187398	68.58	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	206256	103.52	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	555535	67.02	ng	0.00
79) Terphenyl-d14	20.02	244	991715	61.42	ng	0.00

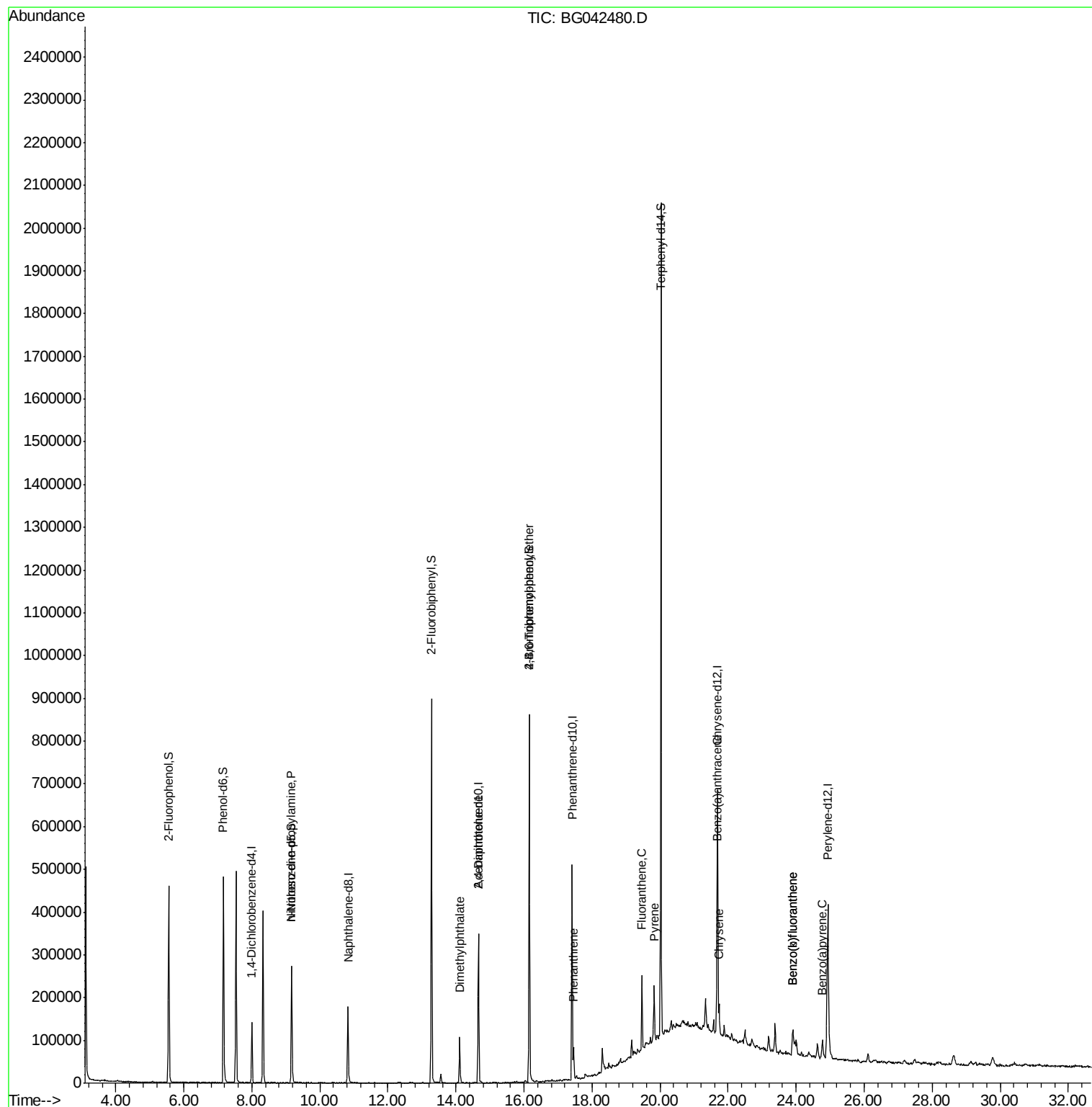
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	23494	11.355	ng	# 75
50) Dimethylphthalate	14.11	163	95525	9.444	ng	98
57) 2,4-Dinitrotoluene	14.66	165	18046	5.375	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	14569	3.359	ng	# 1
71) Phenanthrene	17.46	178	51364	3.024	ng	97
75) Fluoranthene	19.47	202	113968	5.498	ng	98
78) Pyrene	19.83	202	93794	4.382	ng	96
81) Benzo(a)anthracene	21.67	228	44763	2.108	ng	98
83) Chrysene	21.73	228	50842	2.483	ng	98
88) Benzo(b)fluoranthene	23.91	252	74214	3.299	ng	# 98
89) Benzo(k)fluoranthene	23.91	252	74214	3.432	ng	# 98
90) Benzo(a)pyrene	24.78	252	52070	2.439	ng	96

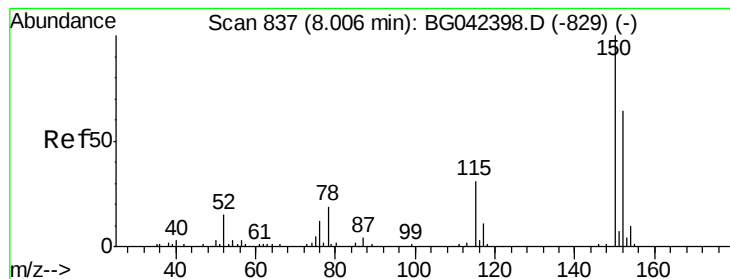
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 22 14:29:15 2019
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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: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampled :

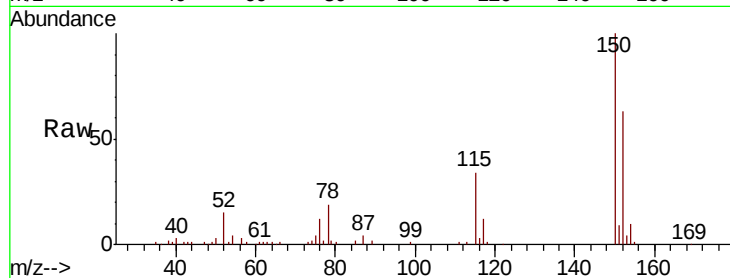
Tot Ion:152 Resp: 47883

Ion Ratio Lower Upper

152 100

150 158.2 125.4 188.0

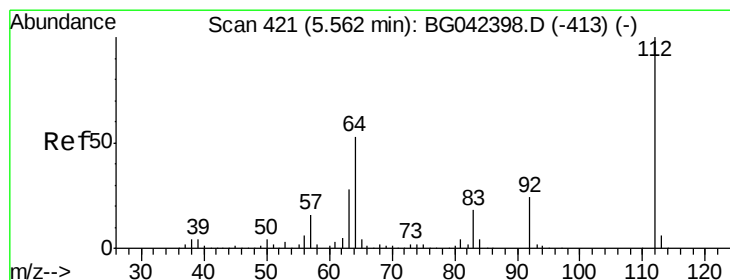
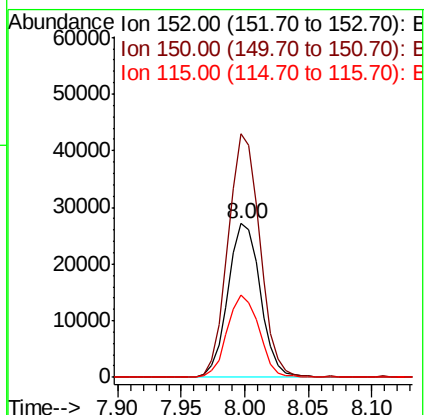
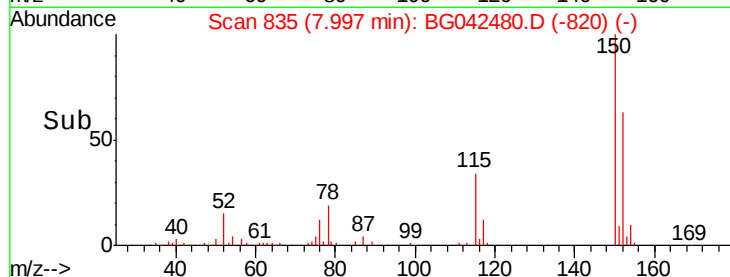
115 53.3 38.5 57.7



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: 101.743 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

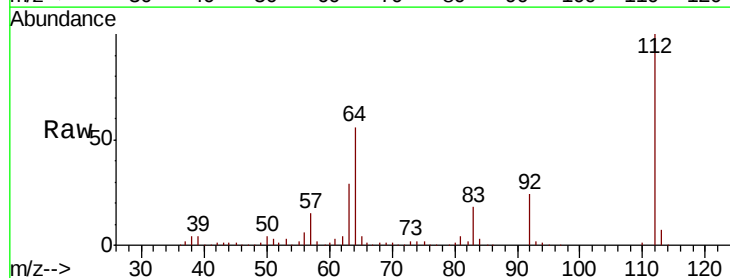
Tgt Ion:112 Resp: 240547

Ion Ratio Lower Upper

112 100

64 56.1 42.8 64.2

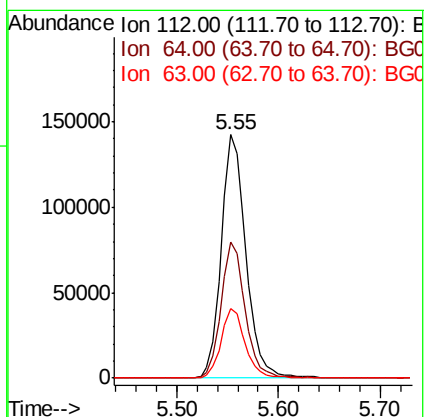
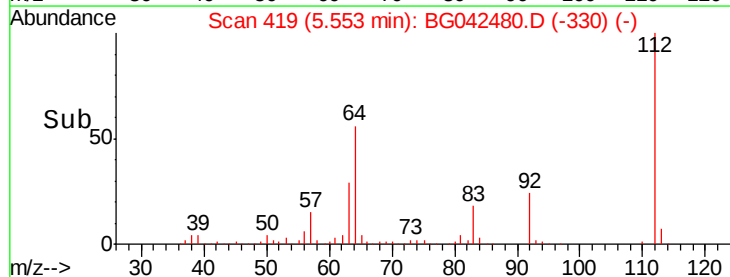
63 28.8 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.013 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

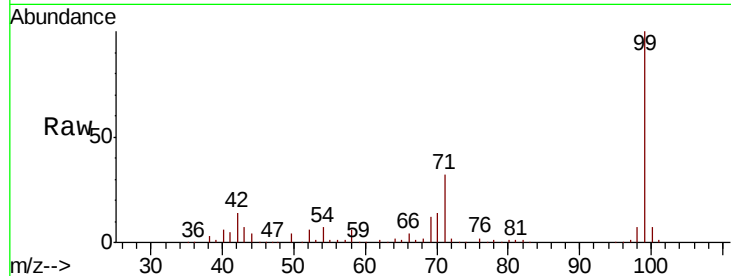
Tot Ion: 99 Resp: 332173

Ion Ratio Lower Upper

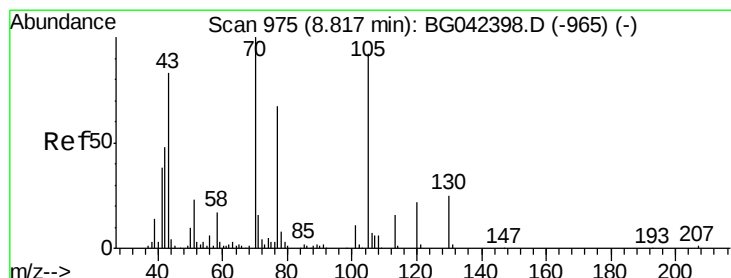
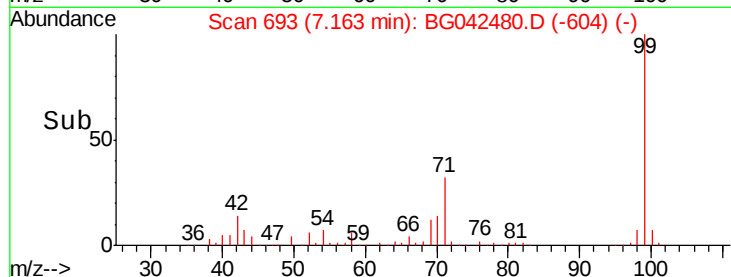
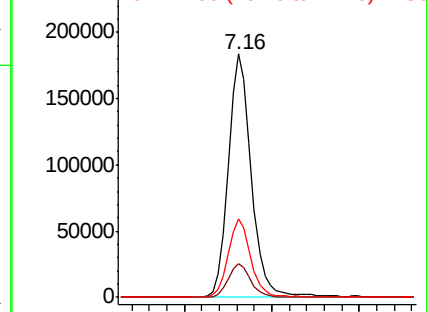
99 100

42 13.9 12.0 18.0

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.355 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Tgt Ion: 70 Resp: 23494

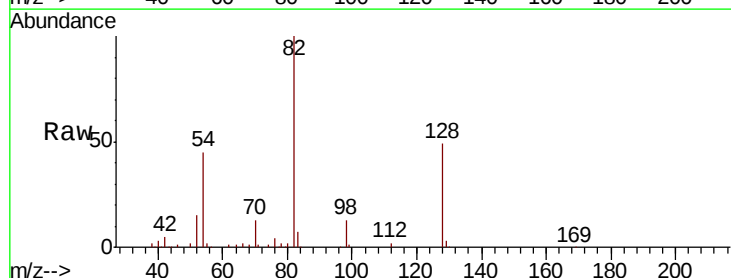
Ion Ratio Lower Upper

70 100

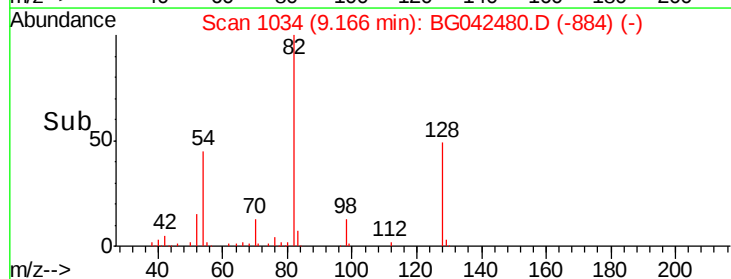
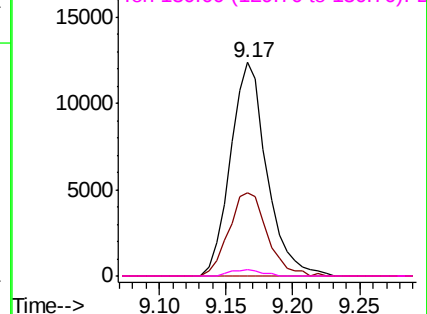
42 38.9 38.8 58.2

101 0.0 9.0 13.6#

130 3.2 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

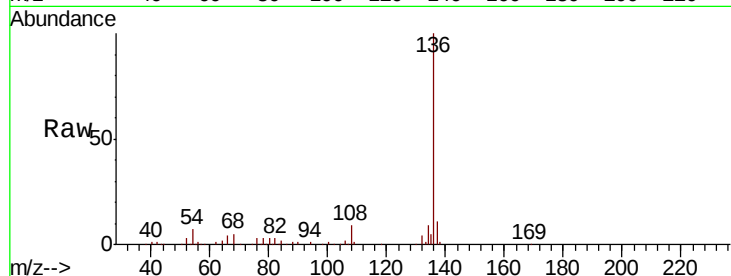




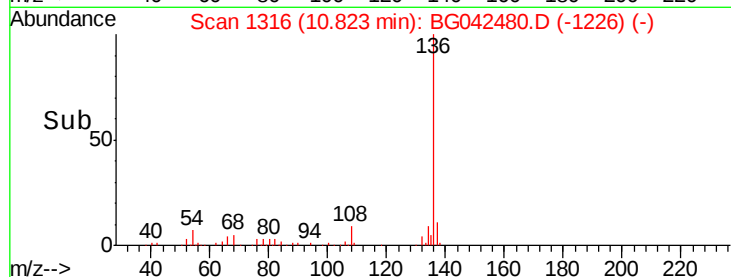
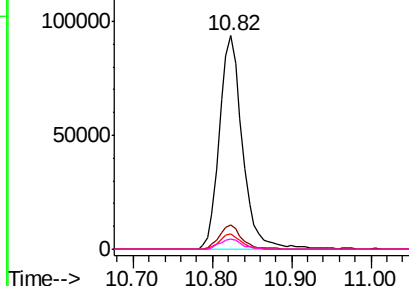
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	188817
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.7 13.1
54	7.3	4.9 7.3
68	4.6	3.6 5.4

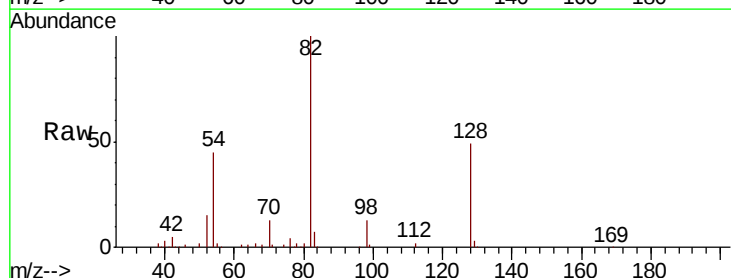


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

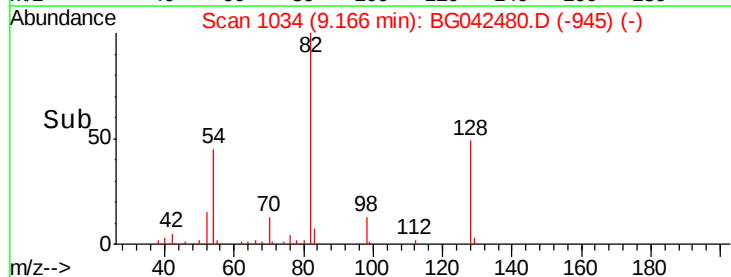
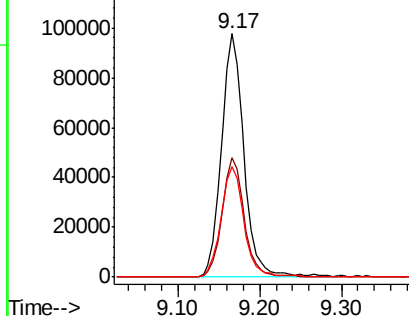


#23
Nitrobenzene-d5
Concen: 68.585 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion: 82	Resp:	187398
Ion	Ratio	Lower Upper
82	100	
128	49.1	40.7 61.1
54	45.4	36.3 54.5



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampled :

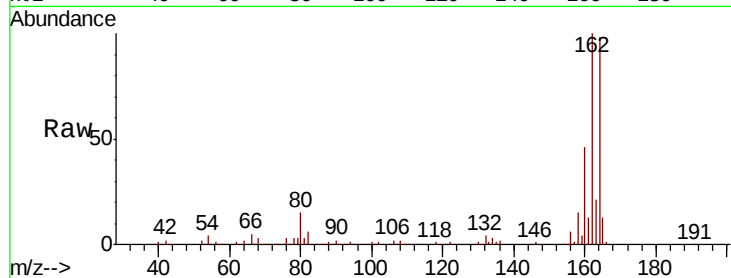
Tot Ion:164 Resp: 140184

Ion Ratio Lower Upper

164 100

162 102.2 79.9 119.9

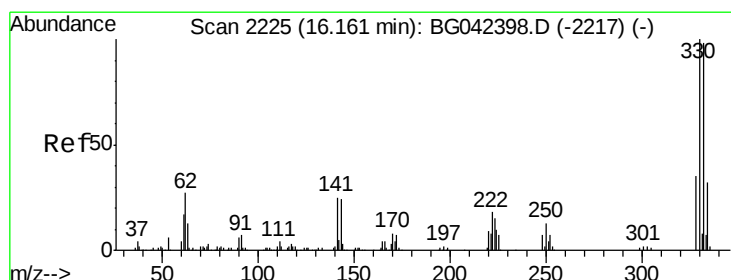
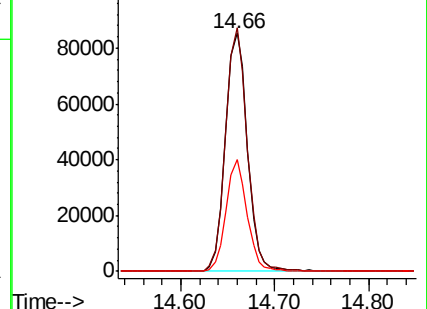
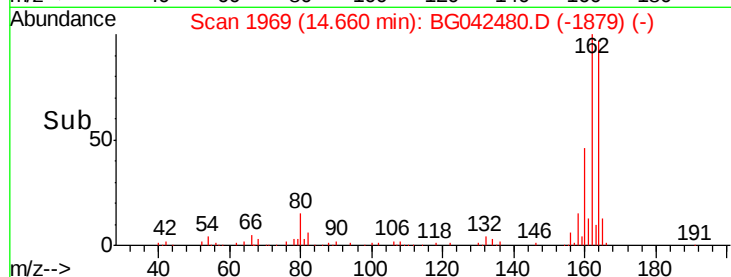
160 47.1 34.3 51.5



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: 103.517 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

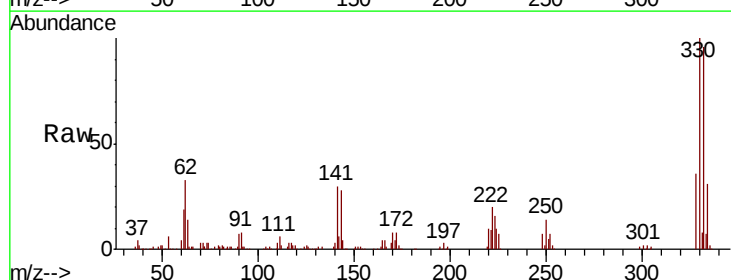
Tgt Ion:330 Resp: 206256

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

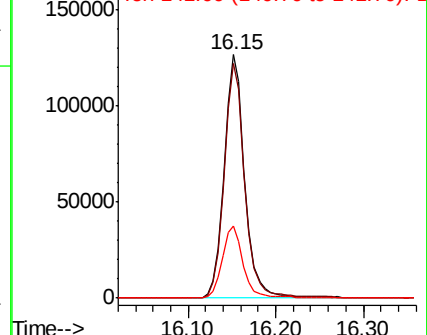
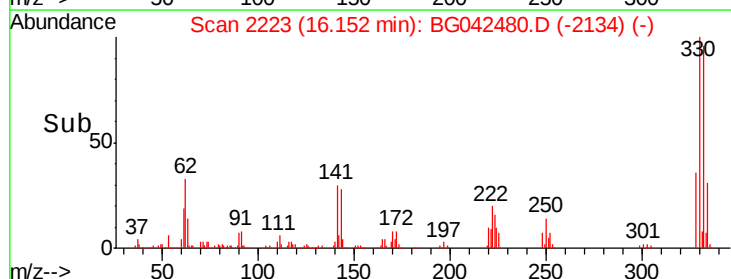
141 30.1 21.4 32.0

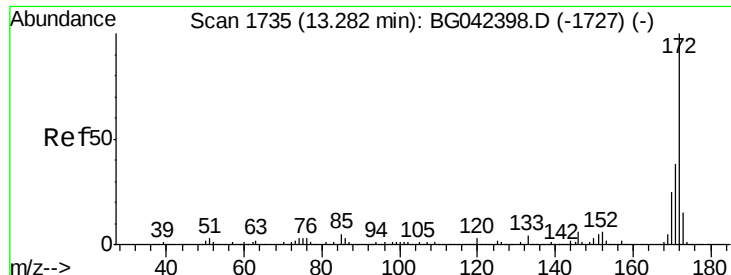


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

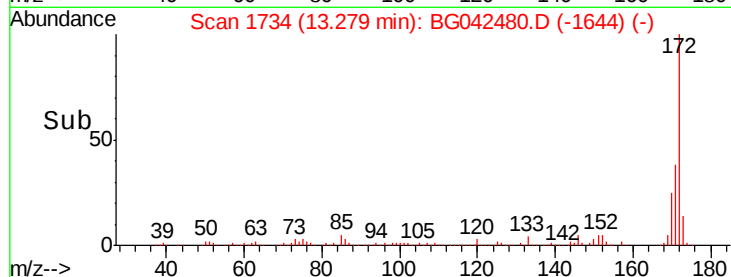
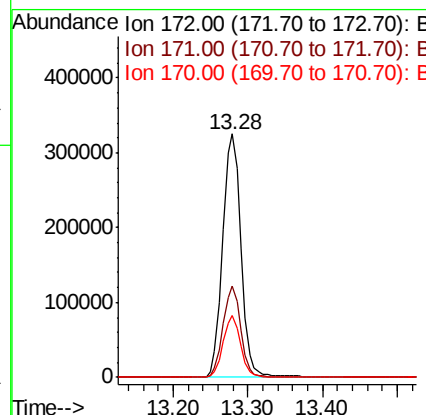
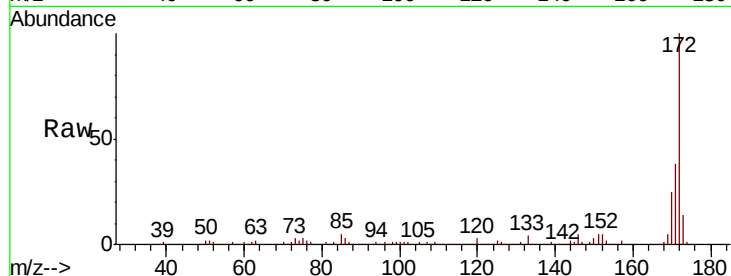




#45
 2-Fluorobiphenyl
 Concen: 67.024 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

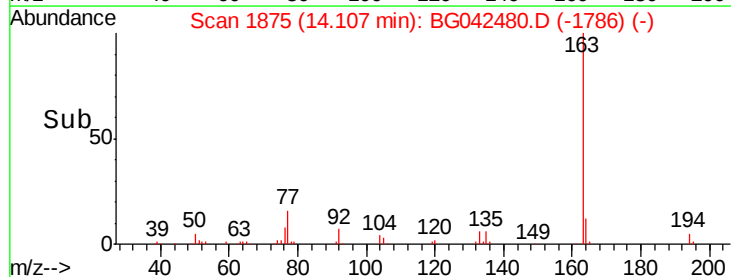
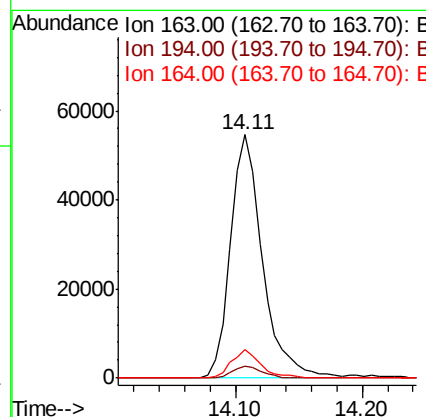
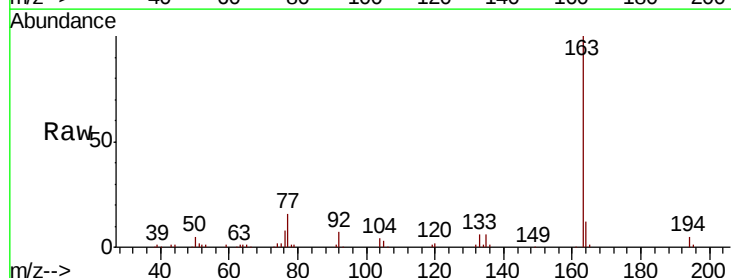
Instrument :
 BNA_G
 ClientSampleId :

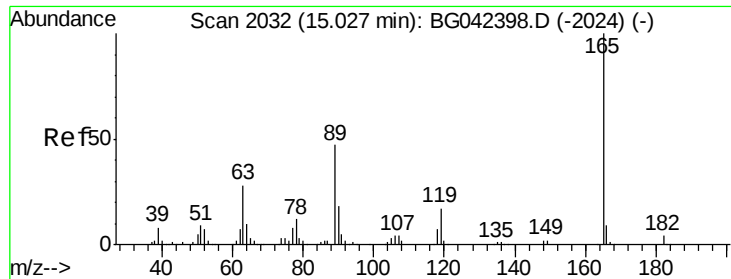
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	25.2	20.2	30.2



#50
 Dimethylphthalate
 Concen: 9.444 ng
 RT: 14.11 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.2	6.2
164	11.7	8.8	13.2

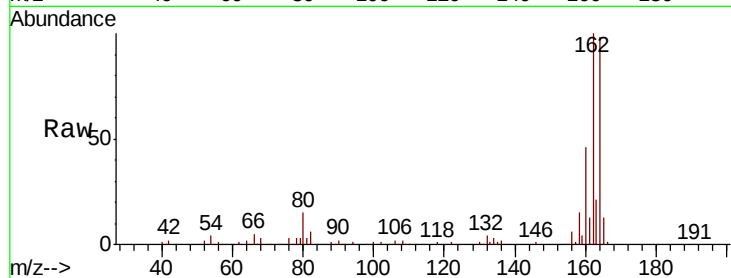




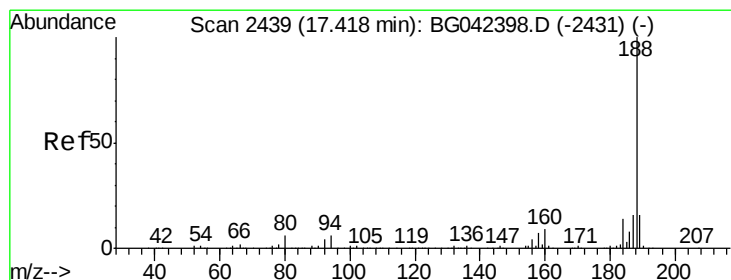
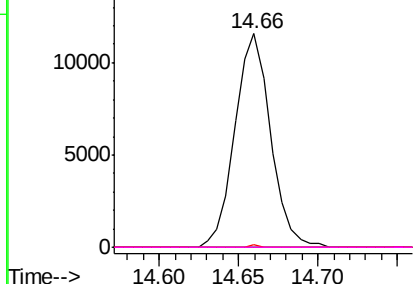
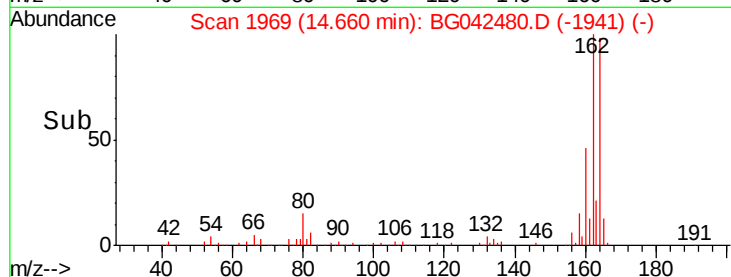
#57
 2,4-Dinitrotoluene
 Concen: 5.375 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	18046
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	1.5	37.8	56.6#
182	0.0	3.0	4.4#

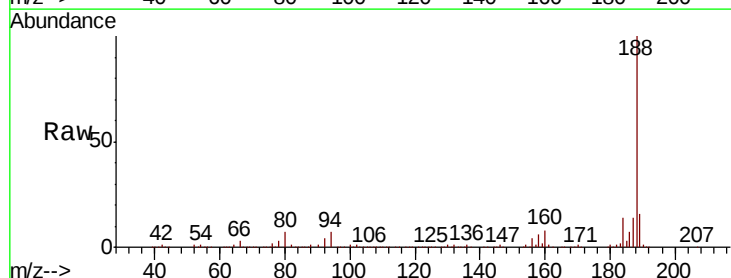


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

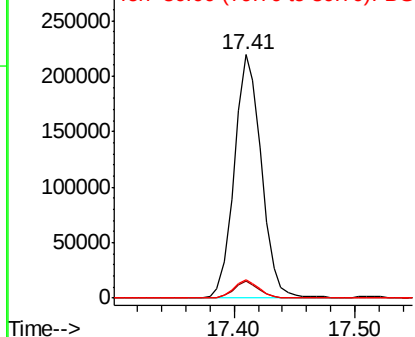
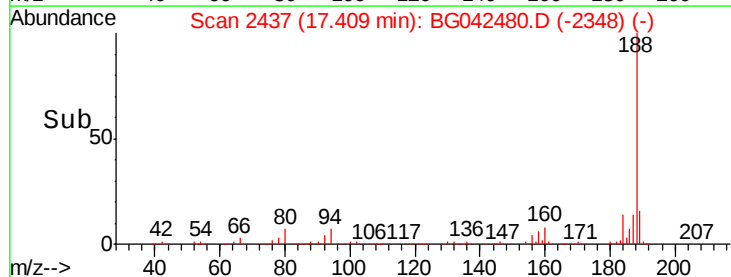


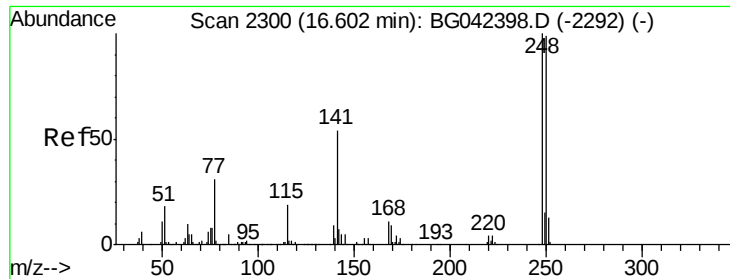
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

Tgt Ion:	188	Resp:	341959
Ion	Ratio	Lower	Upper
188	100		
94	6.8	4.5	6.7#
80	7.3	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

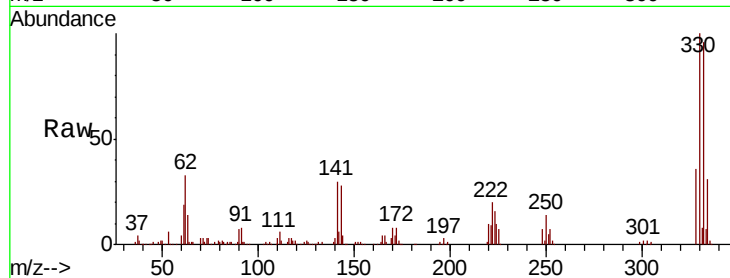




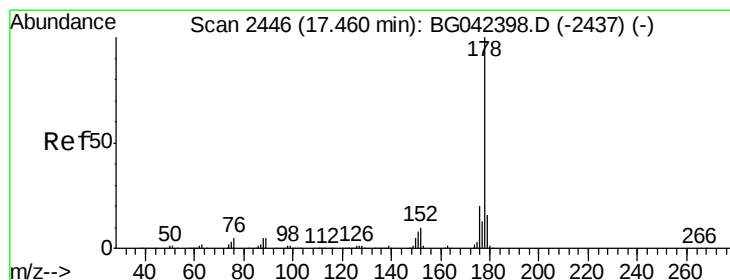
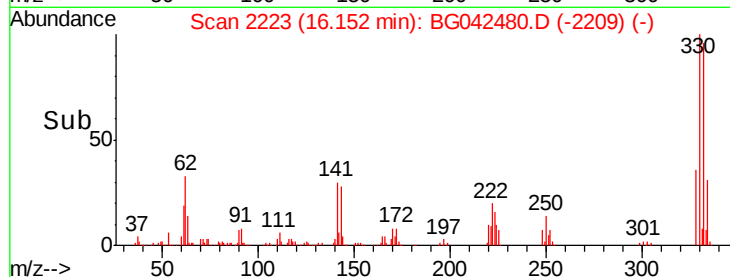
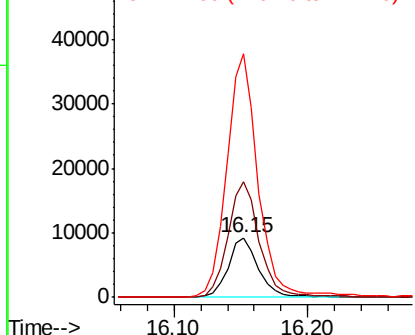
#67
 4-Bromophenyl-phenylether
 Concen: 3.359 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 14569
 Ion Ratio Lower Upper
 248 100
 250 194.4 78.9 118.3#
 141 410.3 43.3 64.9#

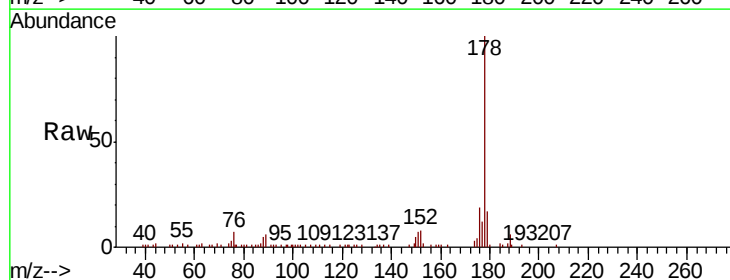


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

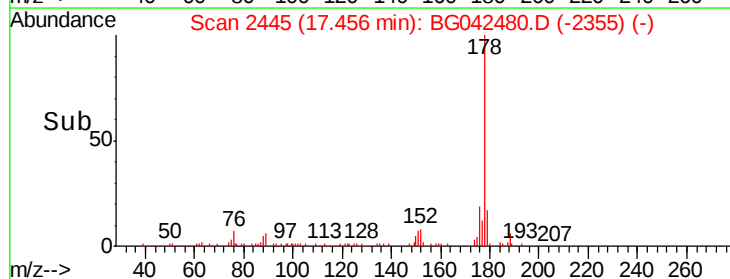
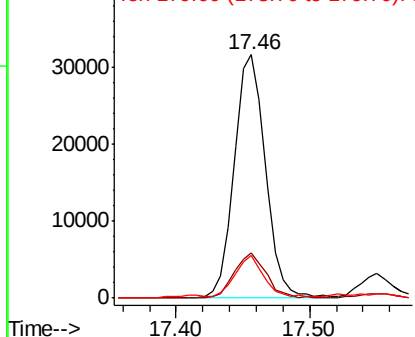


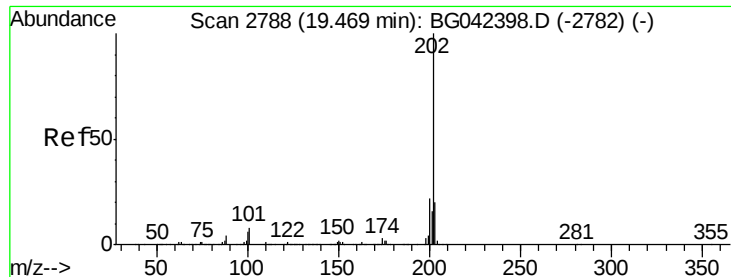
#71
 Phenanthrene
 Concen: 3.024 ng
 RT: 17.46 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG042480.D
 Acq: 25 Aug 2019 16:25

Tgt Ion:178 Resp: 51364
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.9 23.9
 179 17.4 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: 5.498 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042480.D

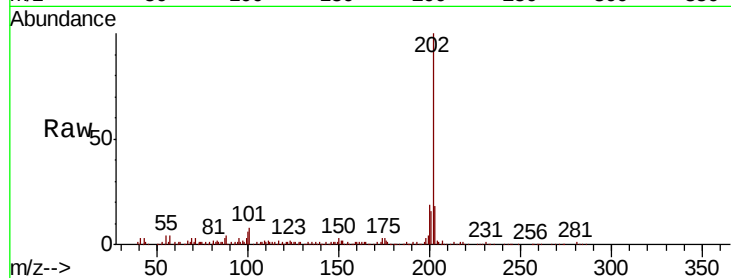
Acq: 25 Aug 2019 16:25

Instrument :

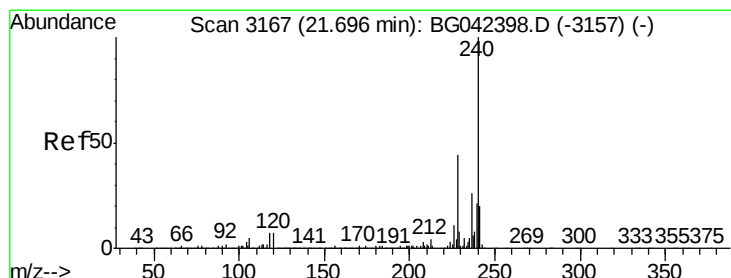
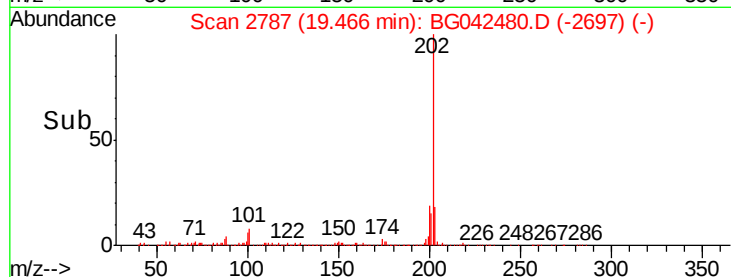
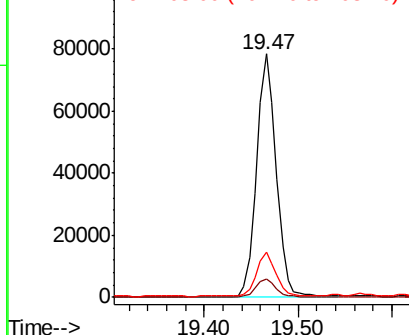
BNA_G

ClientSampled :

Tot Ion:	202	Resp:	113968
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.3
203	18.4	0.0	39.6



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

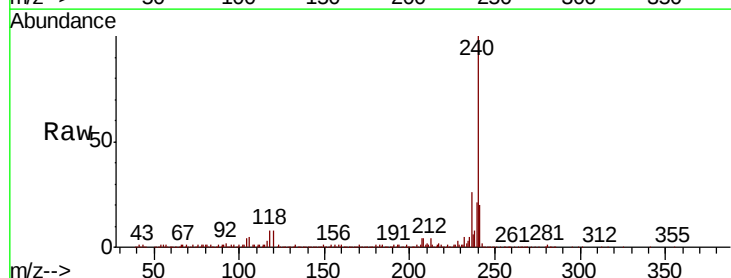
RT: 21.69 min Scan# 3165

Delta R.T. -0.01 min

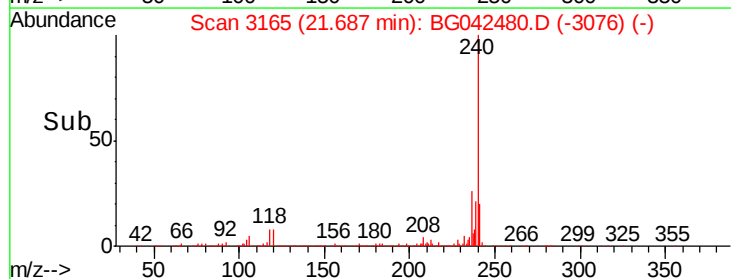
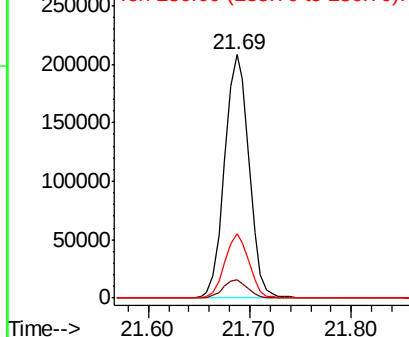
Lab File: BG042480.D

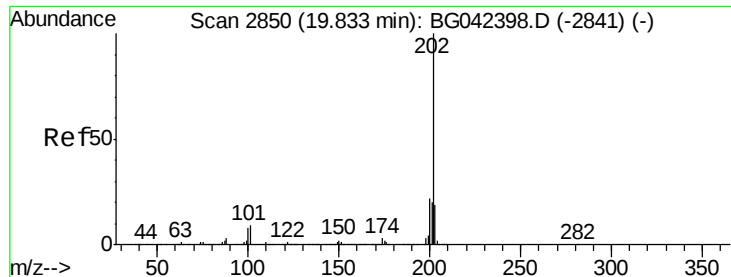
Acq: 25 Aug 2019 16:25

Tgt Ion:	240	Resp:	349086
Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.7	8.5
236	26.4	21.0	31.4



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: 4.382 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

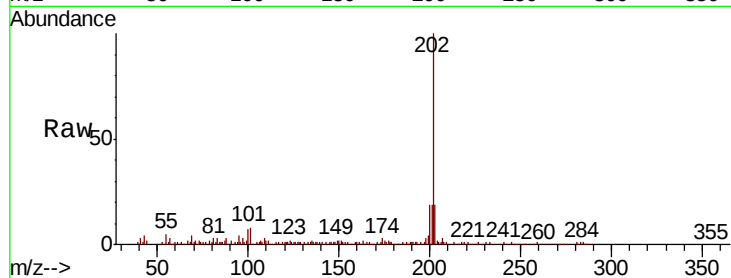
Tot Ion:202 Resp: 93794

Ion Ratio Lower Upper

202 100

200 19.1 17.8 26.6

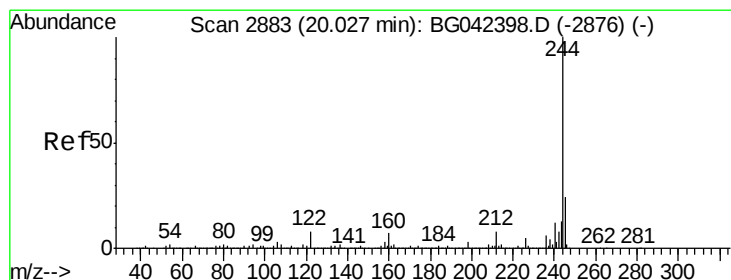
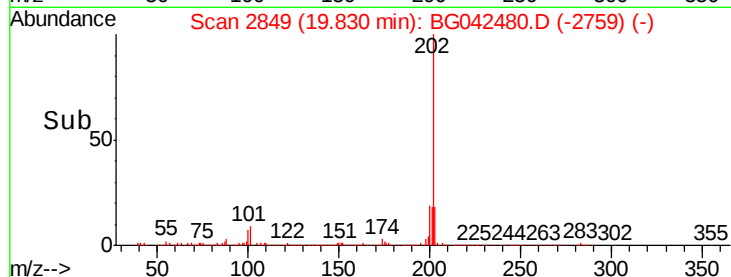
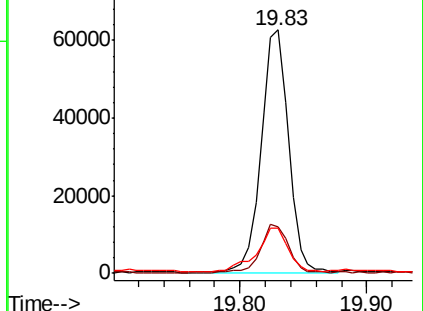
203 18.7 15.5 23.3



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: 61.418 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

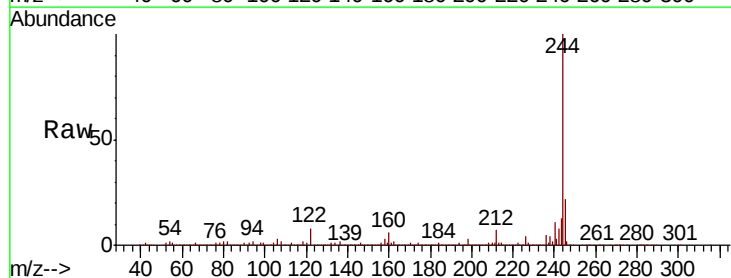
Tgt Ion:244 Resp: 991715

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

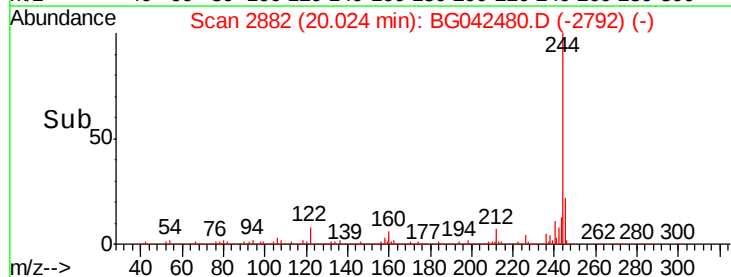
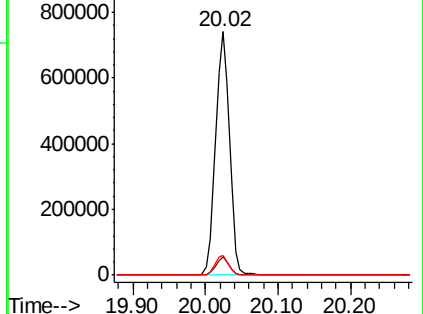
122 8.0 6.7 10.1

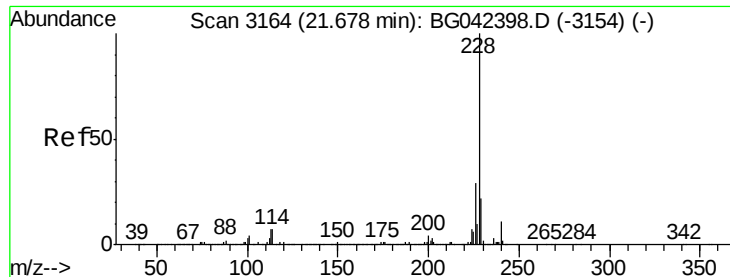


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.108 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

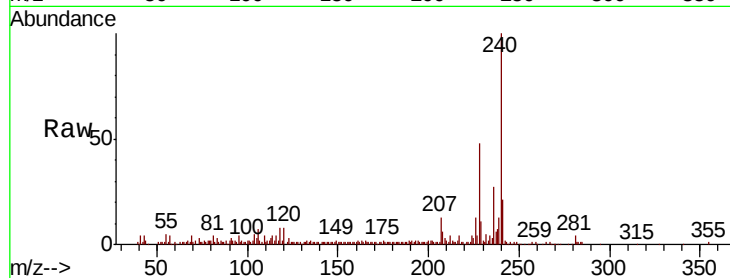
Tot Ion:228 Resp: 44763

Ion Ratio Lower Upper

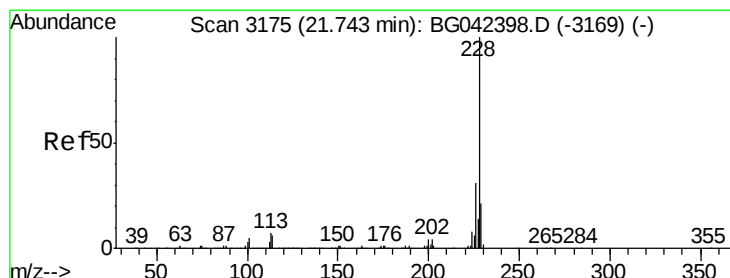
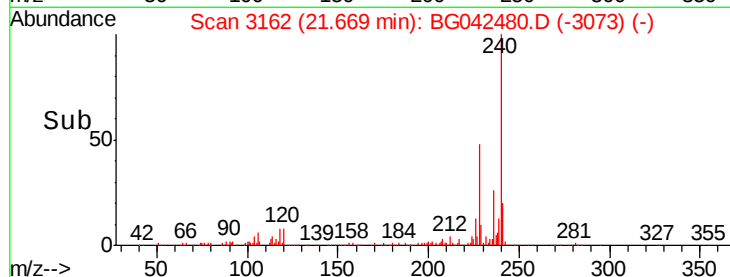
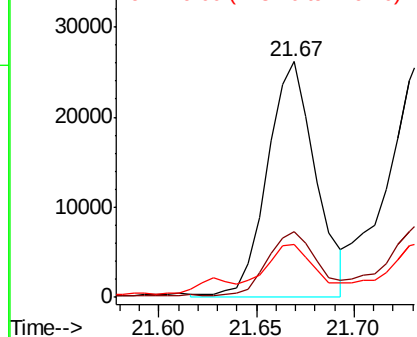
228 100

226 27.7 23.4 35.2

229 22.6 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: 2.483 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

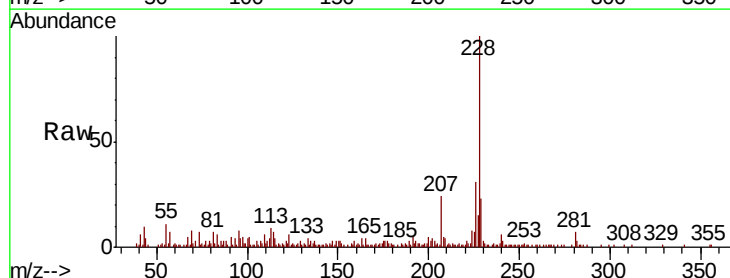
Tgt Ion:228 Resp: 50842

Ion Ratio Lower Upper

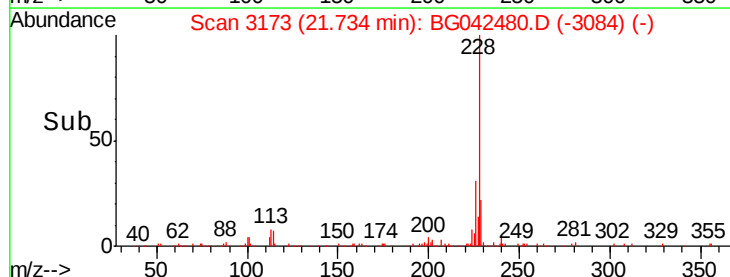
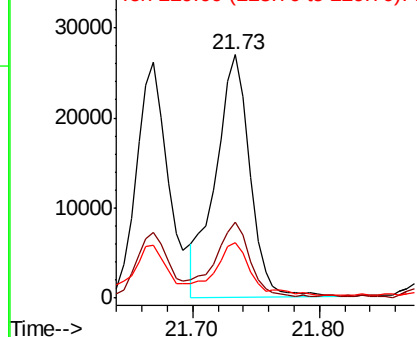
228 100

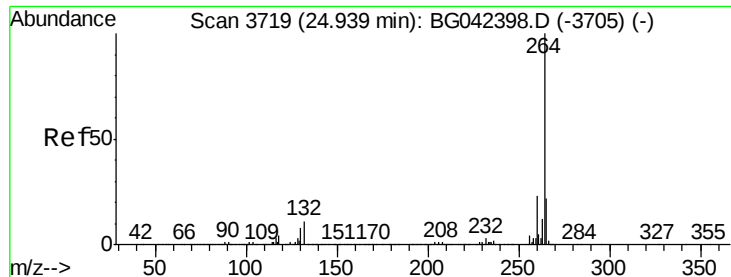
226 31.3 24.9 37.3

229 22.7 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: BG042480.D

Acq: 25 Aug 2019 16:25

Instrument :

BNA_G

ClientSampleId :

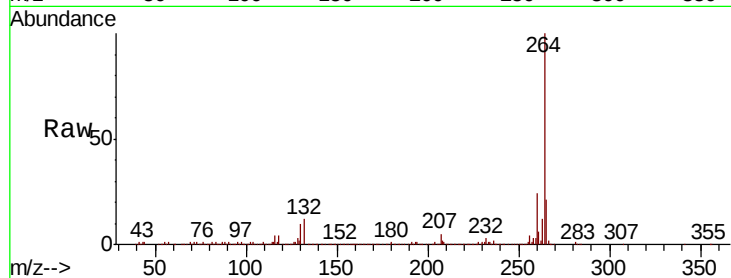
Tot Ion:264 Resp: 409234

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 21.4 17.6 26.4

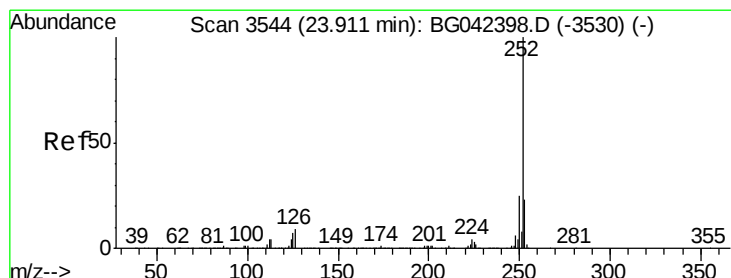
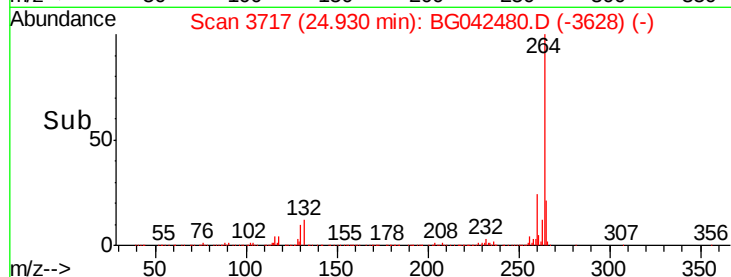
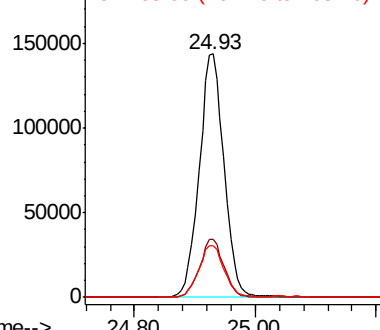


Abundance

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: 3.299 ng

RT: 23.91 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG042480.D

Acq: 25 Aug 2019 16:25

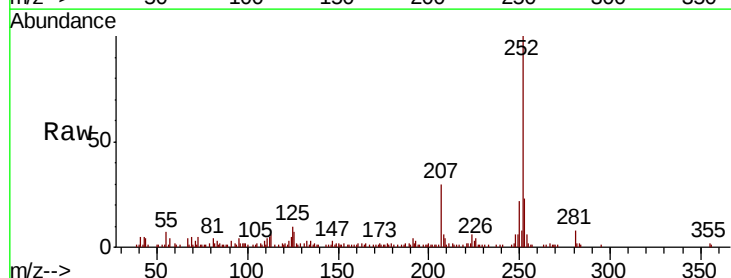
Tgt Ion:252 Resp: 74214

Ion Ratio Lower Upper

252 100

253 23.4 18.6 27.8

125 9.6 5.6 8.4#

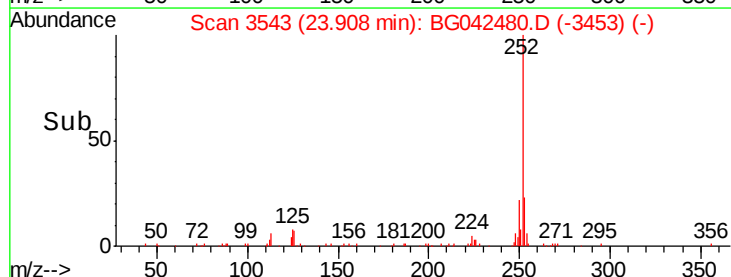
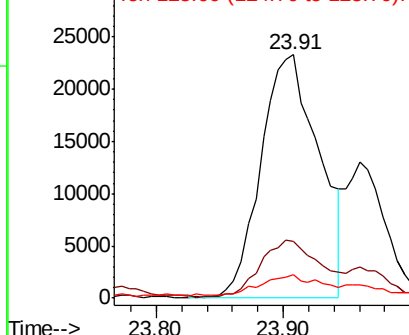


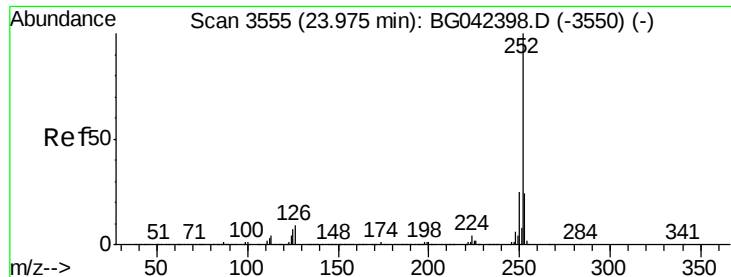
Abundance

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

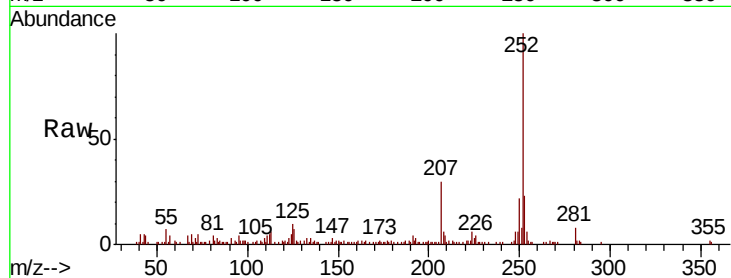




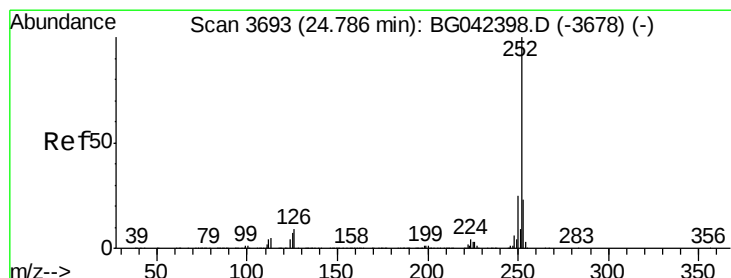
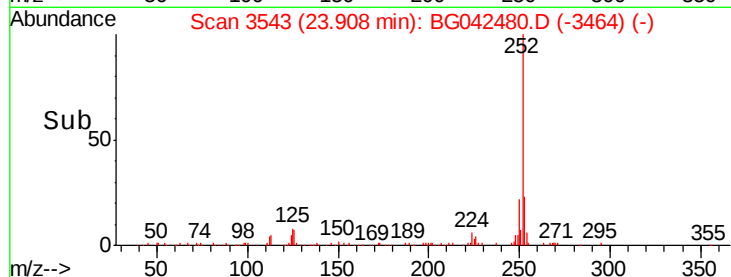
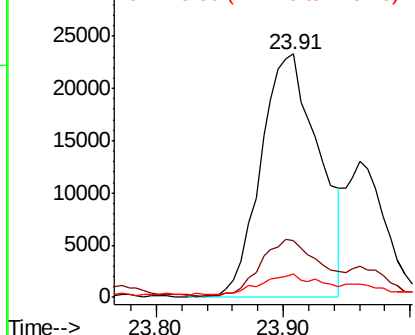
#89
Benzo(k)fluoranthene
Concen: 3.432 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 74214
Ion Ratio Lower Upper
252 100
253 23.4 18.6 27.8
125 9.6 5.8 8.6#

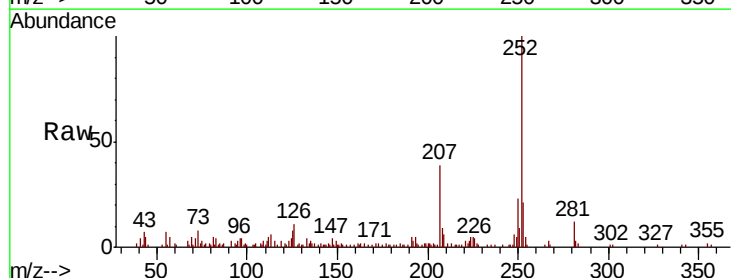


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.439 ng
RT: 24.78 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042480.D
Acq: 25 Aug 2019 16:25

Tgt Ion:252 Resp: 52070
Ion Ratio Lower Upper
252 100
253 20.7 18.4 27.6
125 8.1 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

