

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042416.D
 Acq On : 23 Aug 2019 00:45
 Operator : HP/JU
 Sample : K4418-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CFVP-228L

Quant Time: Aug 23 05:06:45 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	8.01	152	99480	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	411380	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	211915	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	446467	20.00	ng	0.00
76) Chrysene-d12	21.69	240	458757	20.00	ng	0.00
87) Perylene-d12	24.93	264	495564	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	69036	14.05	ng	0.00
7) Phenol-d6	7.17	99	60334	9.09	ng	0.00
23) Nitrobenzene-d5	9.17	82	231800	38.94	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	100406	33.34	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	581940	46.44	ng	0.00
79) Terphenyl-d14	20.03	244	866459	40.83	ng	0.00

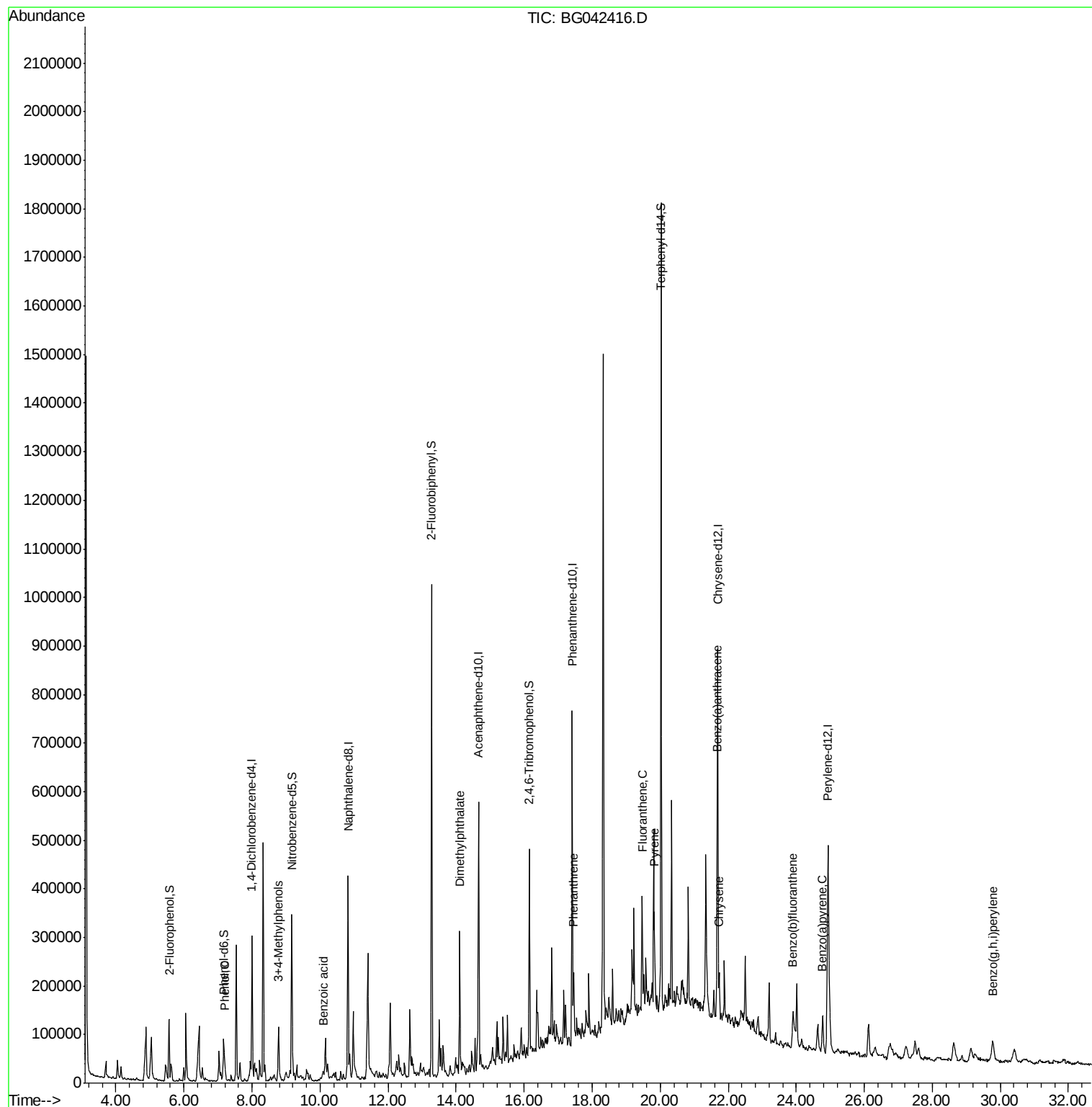
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.20	94	28886	4.282	ng	95
20) 3+4-Methylphenols	8.78	107	66417	9.660	ng	90
32) Benzoic acid	10.10	122	13991	11.243	ng	95
50) Dimethylphthalate	14.10	163	219253	14.339	ng	99
71) Phenanthrene	17.45	178	97138	4.380	ng	98
75) Fluoranthene	19.47	202	109278	4.038	ng	98
78) Pyrene	19.83	202	138725	4.932	ng	98
81) Benzo(a)anthracene	21.67	228	69086	2.476	ng	99
83) Chrysene	21.74	228	66028	2.453	ng	97
88) Benzo(b)fluoranthene	23.90	252	98744	3.624	ng	# 97
90) Benzo(a)pyrene	24.78	252	92198	3.566	ng	98
92) Benzo(a,h,i)perylene	29.79	276	80120	3.060	ng	96

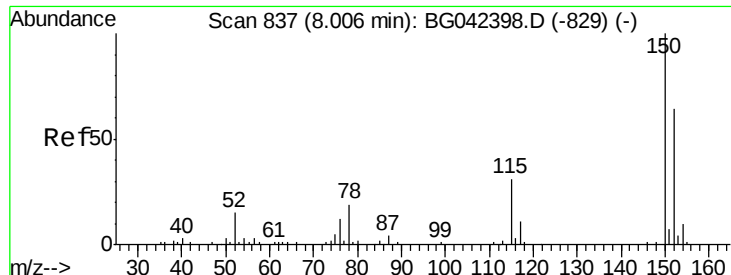
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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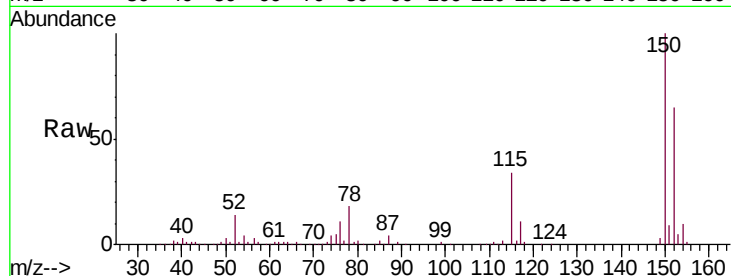


#1

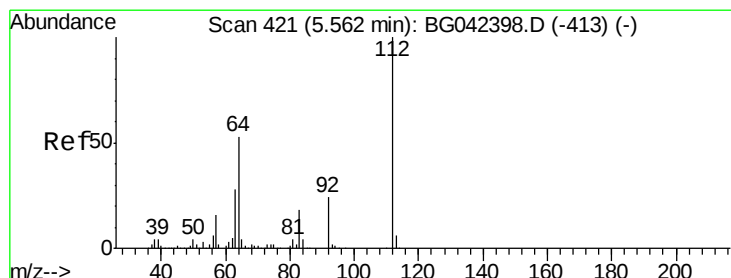
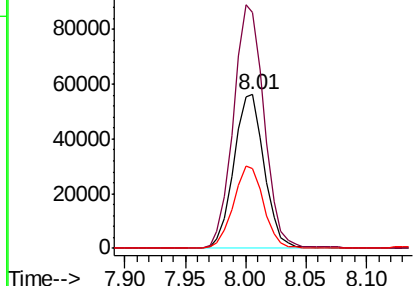
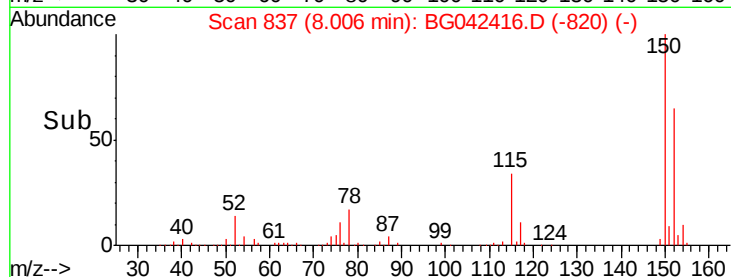
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Instrument :
BNA_G
ClientSampleId :
CFVP-228L

Tot Ion:152 Resp: 99480
Ion Ratio Lower Upper
152 100
150 153.6 125.4 188.0
115 52.0 38.5 57.7



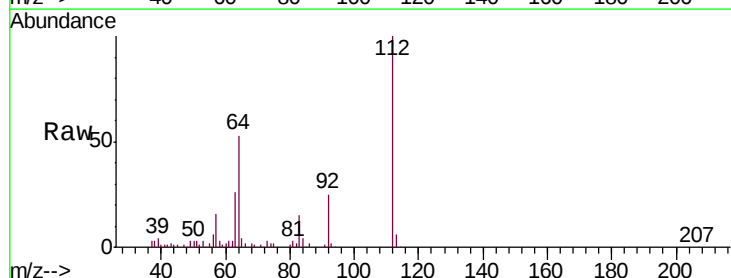
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



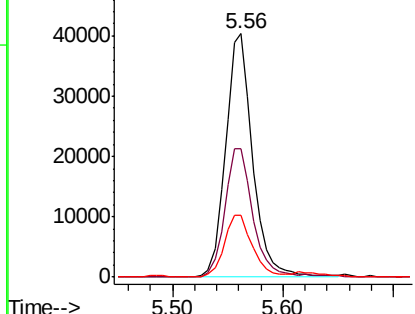
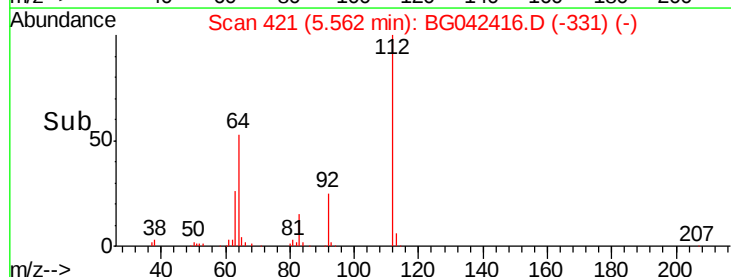
#5

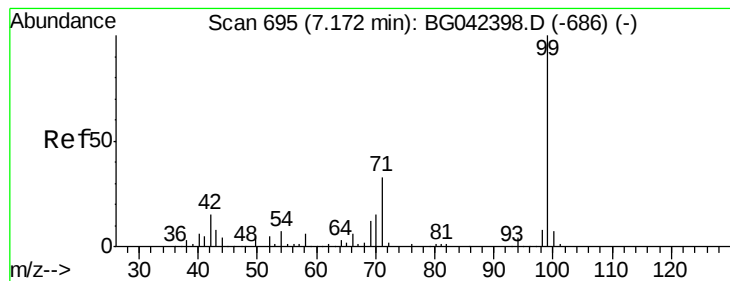
2-Fluorophenol
Concen: 14.055 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Tgt Ion:112 Resp: 69036
Ion Ratio Lower Upper
112 100
64 52.7 42.8 64.2
63 25.5 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 9.094 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampled :

CFVP-228L

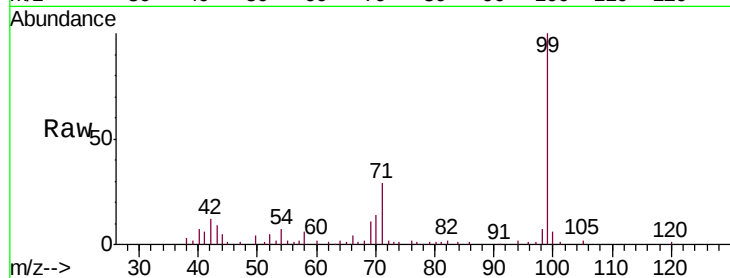
Tot Ion: 99 Resp: 60334

Ion Ratio Lower Upper

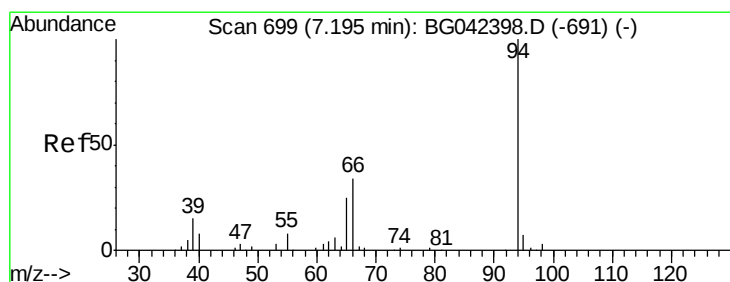
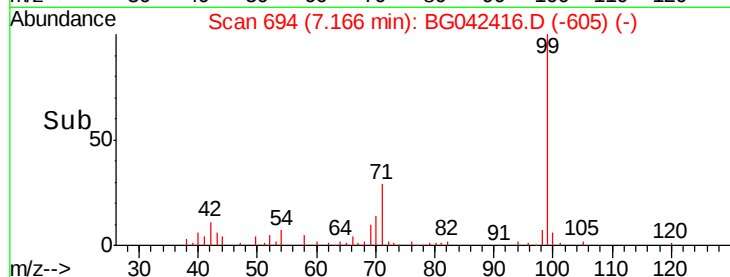
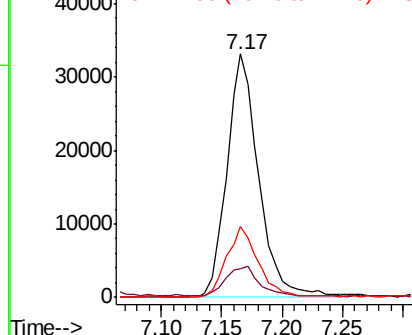
99 100

42 11.7 12.0 18.0#

71 29.1 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: 4.282 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

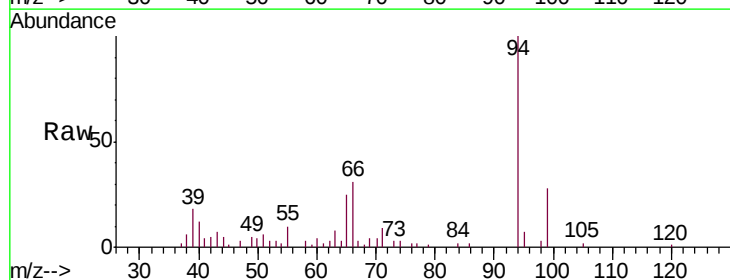
Tgt Ion: 94 Resp: 28886

Ion Ratio Lower Upper

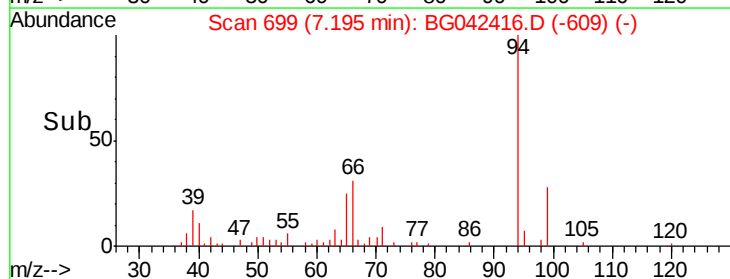
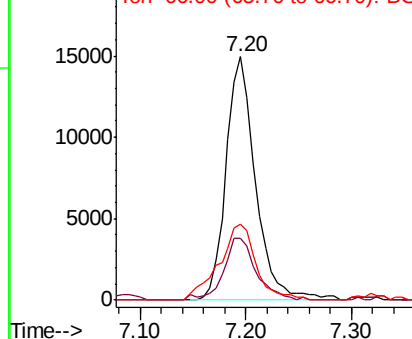
94 100

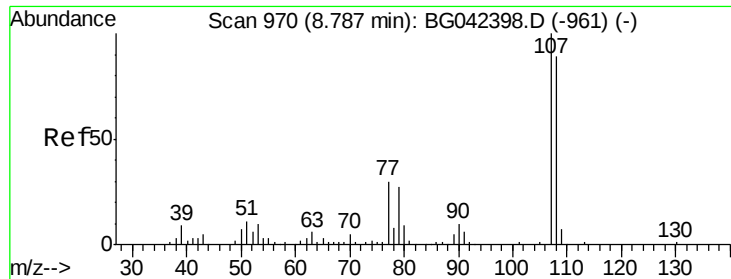
65 25.4 5.6 45.6

66 31.4 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

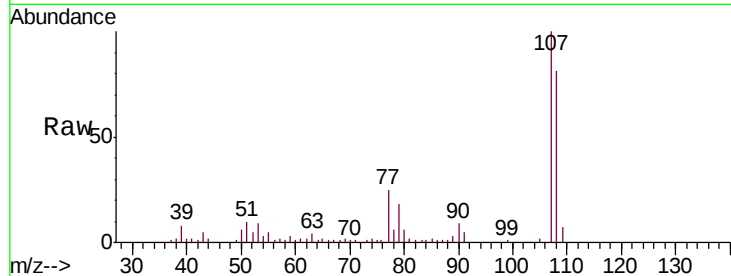




#20
 3+4-Methylphenols
 Concen: 9.660 ng
 RT: 8.78 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BG042416.D
 Acq: 23 Aug 2019 00:45

Instrument :
 BNA_G
 ClientSampleId :
 CFVP-228L

Tot Ion:	107	Resp:	66417
Ion	Ratio	Lower	Upper
107	100		
108	80.9	68.7	108.7
77	24.5	10.2	50.2
79	18.3	6.9	46.9



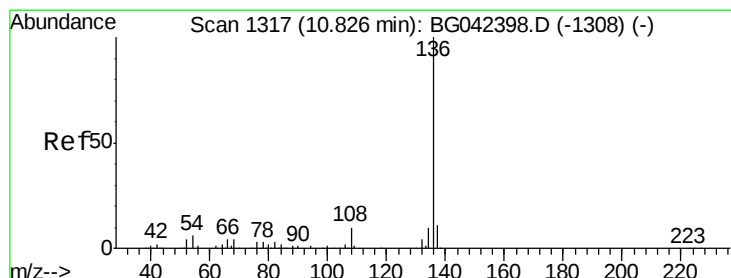
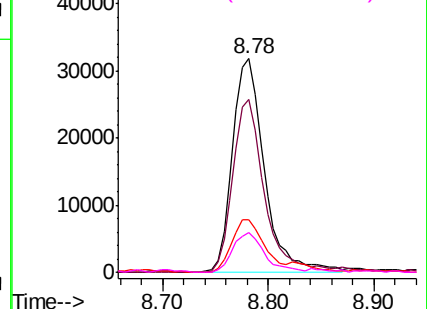
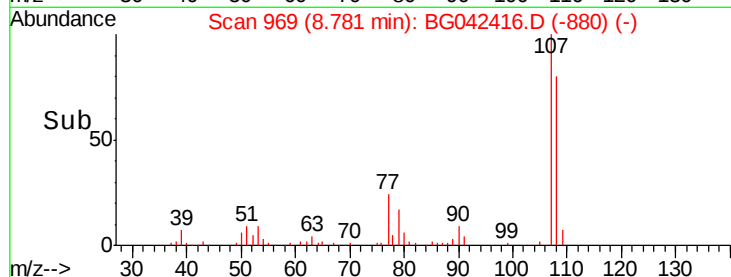
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

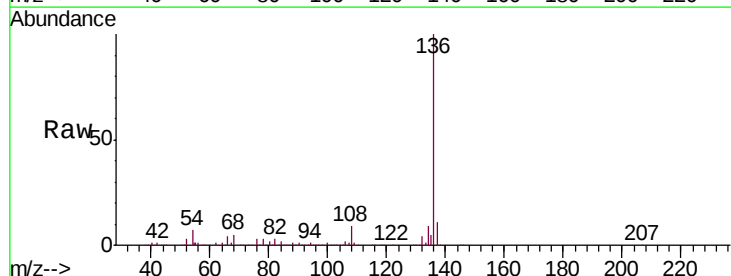
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BG042416.D
 Acq: 23 Aug 2019 00:45

Tgt Ion:	136	Resp:	411380
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.8	4.9	7.3
68	5.4	3.6	5.4#



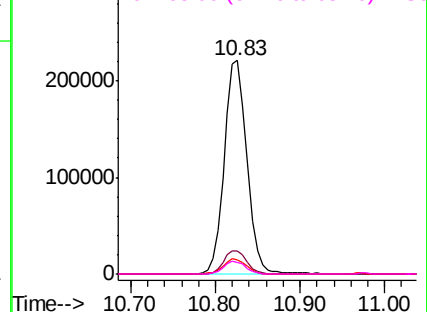
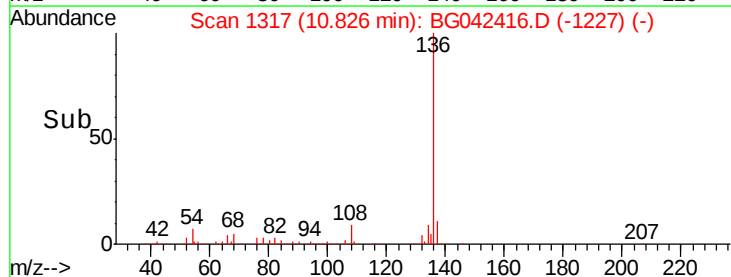
Abundance

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): BGC

Ion 68.00 (67.70 to 68.70): BGC

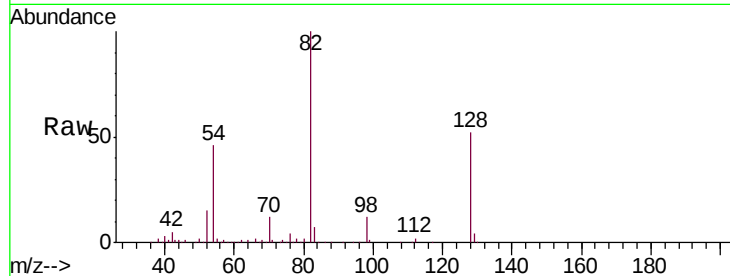




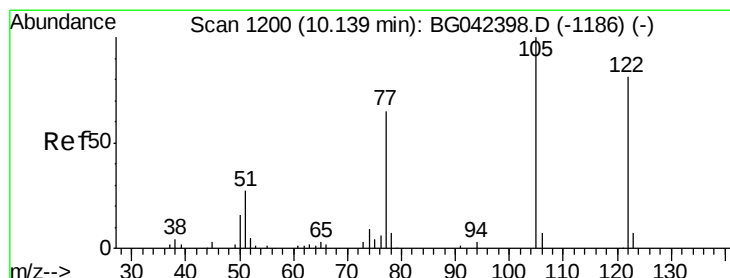
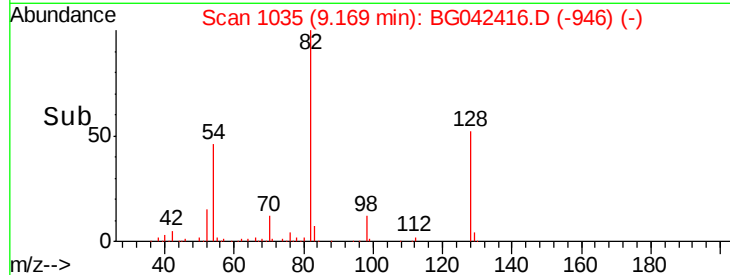
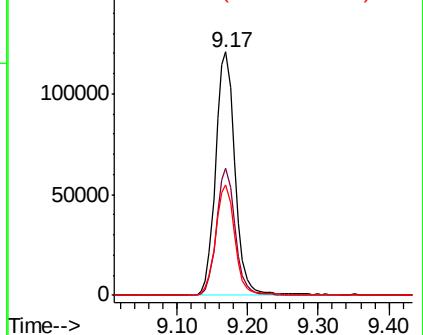
#23
Nitrobenzene-d5
Concen: 38.938 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Instrument :
BNA_G
ClientSampleId :
CFVP-228L

Tot Ion	82	Resp	231800
Ion	Ratio	Lower	Upper
82	100		
128	52.3	40.7	61.1
54	45.6	36.3	54.5

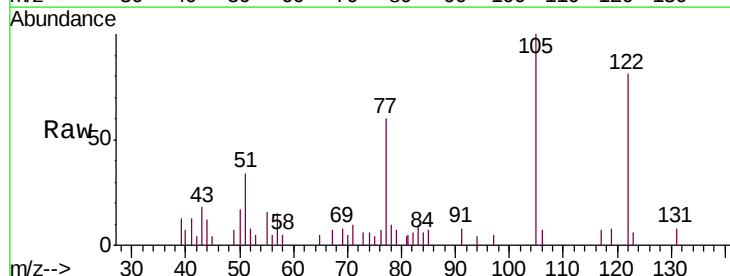


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

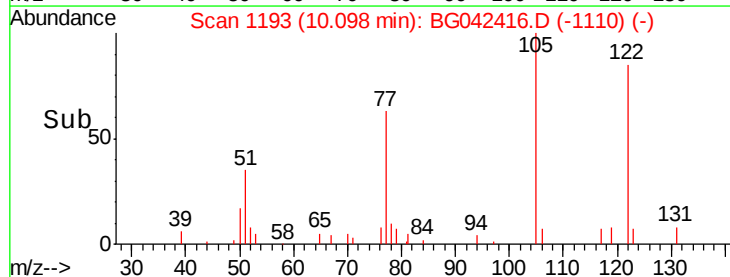
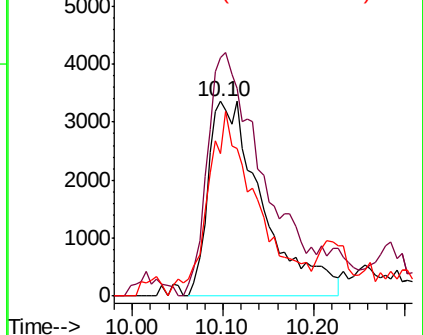


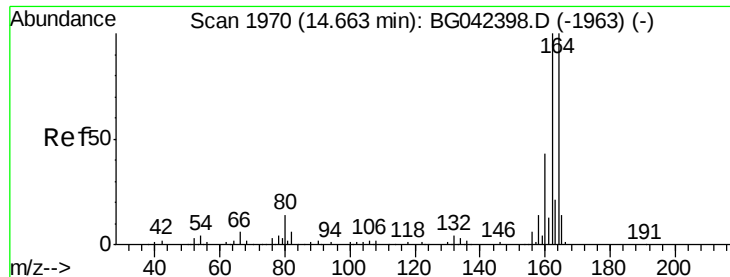
#32
Benzoic acid
Concen: 11.243 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.04 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Tgt Ion	122	Resp	13991
Ion	Ratio	Lower	Upper
122	100		
105	122.9	99.6	139.6
77	73.5	59.5	99.5



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

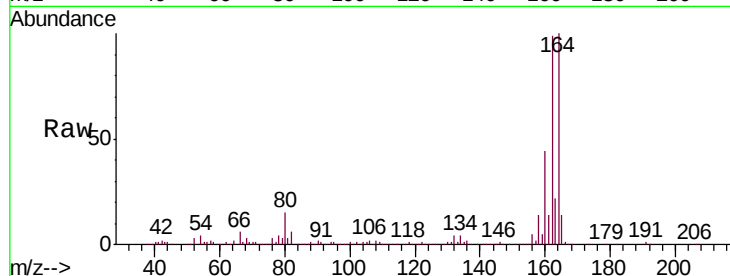
Tot Ion:164 Resp: 211915

Ion Ratio Lower Upper

164 100

162 99.0 79.9 119.9

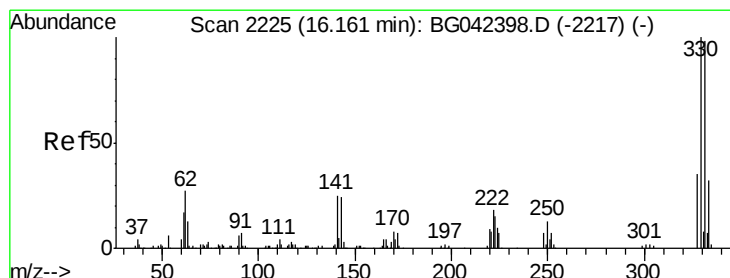
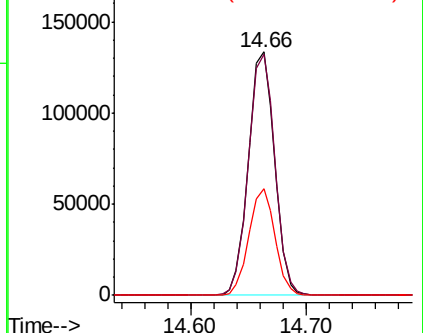
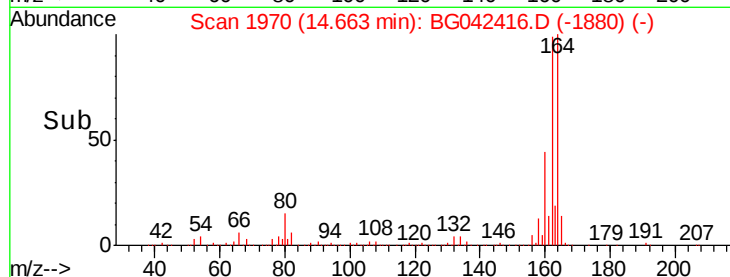
160 43.6 34.3 51.5



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: 33.335 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

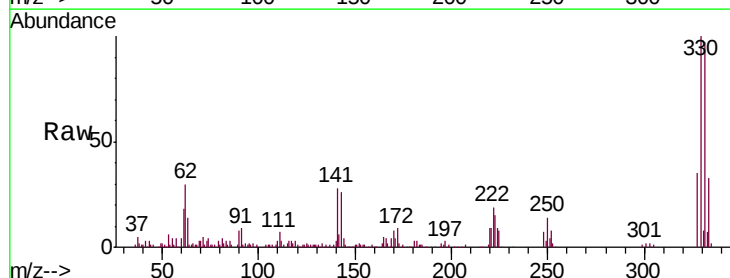
Tgt Ion:330 Resp: 100406

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

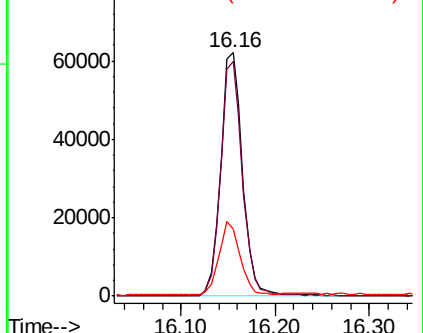
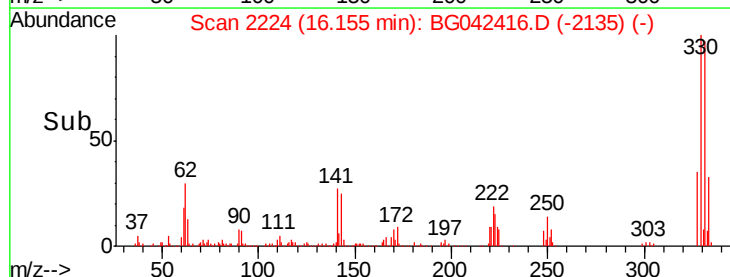
141 29.1 21.4 32.0

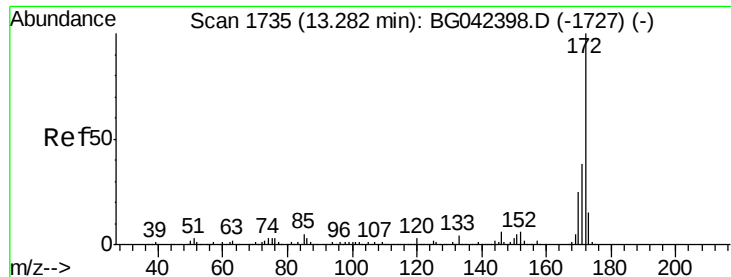


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

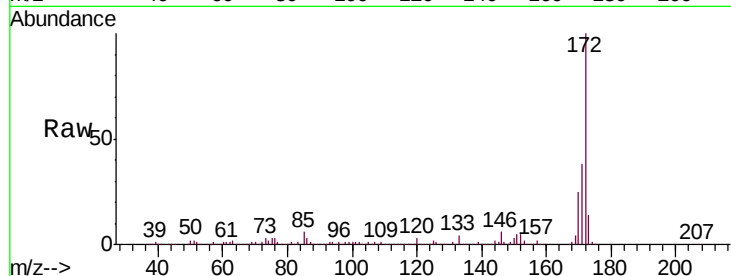




#45
2-Fluorobiphenyl
Concen: 46.444 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Instrument :
BNA_G
ClientSampleId :
CFVP-228L

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.5	45.7
170	24.7	20.2	30.2

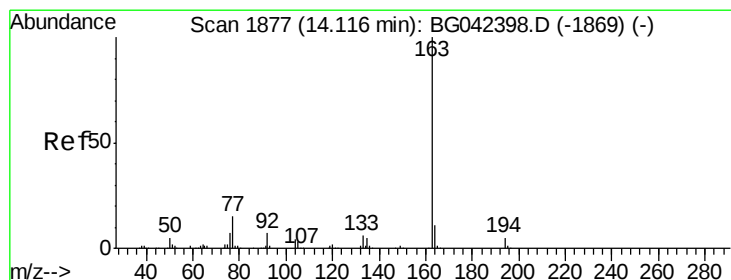
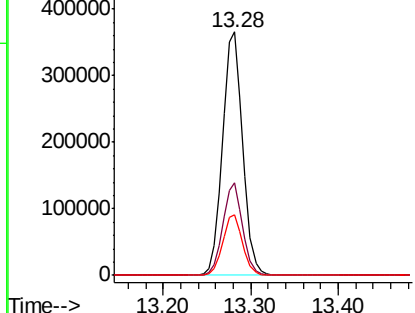
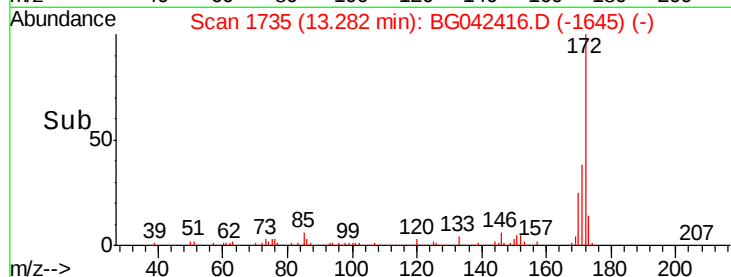


Abundance

Ion 172.00 (171.70 to 172.70): E

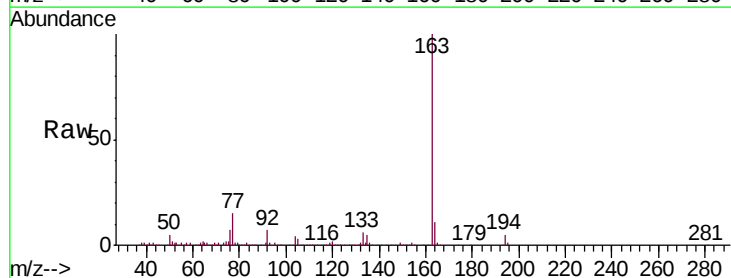
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 14.339 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.2
164	10.7	8.8	13.2

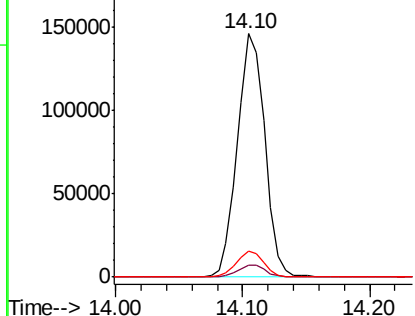
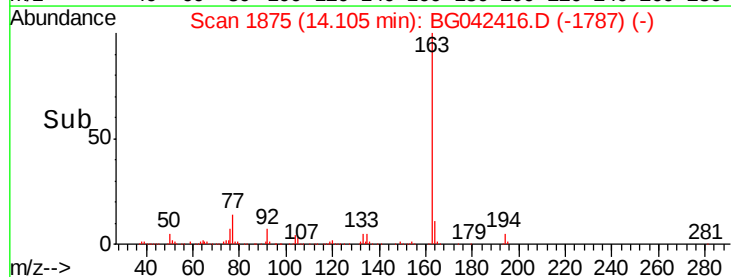


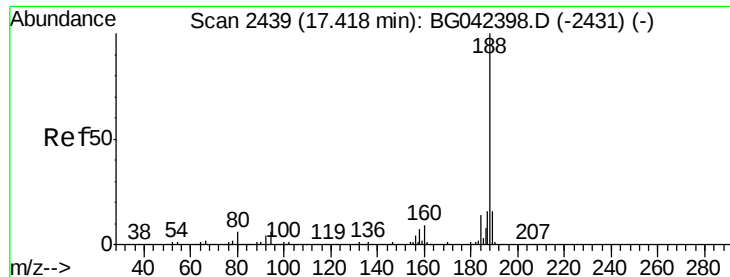
Abundance

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: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

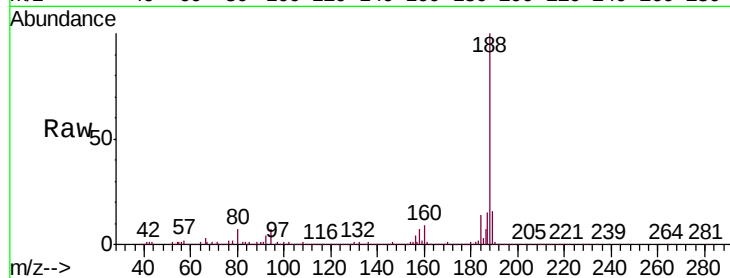
Tot Ion:188 Resp: 446467

Ion Ratio Lower Upper

188 100

94 6.5 4.5 6.7

80 7.1 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

400000

300000

200000

100000

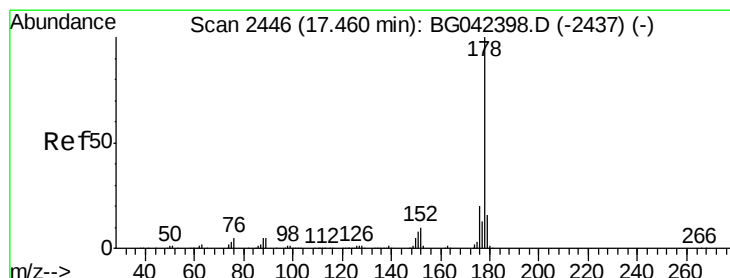
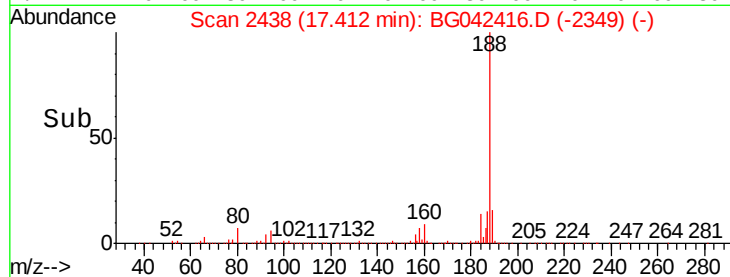
0

17.41

17.40

17.50

Time-->



#71

Phenanthrene

Concen: 4.380 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

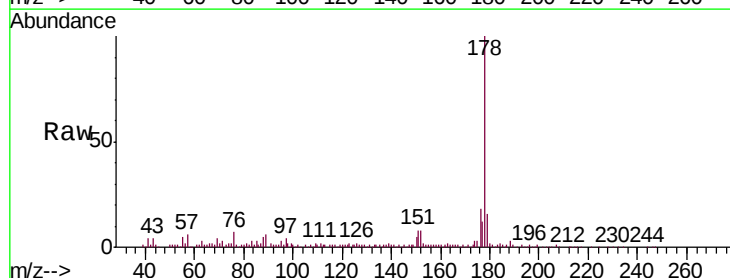
Tgt Ion:178 Resp: 97138

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 16.0 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

80000

60000

40000

20000

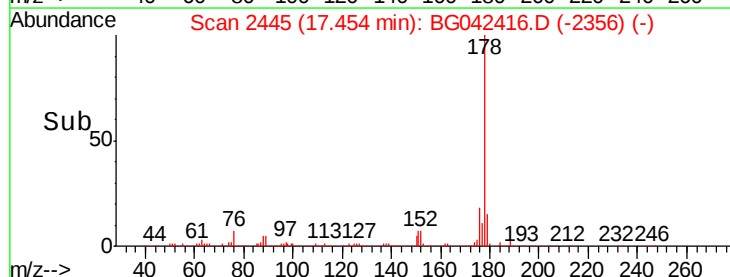
0

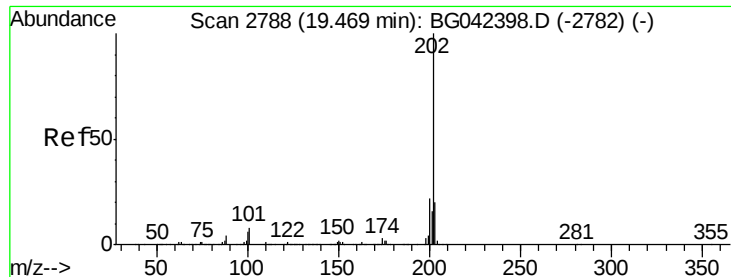
17.45

17.40

17.50

Time-->





#75

Fluoranthene

Concen: 4.038 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

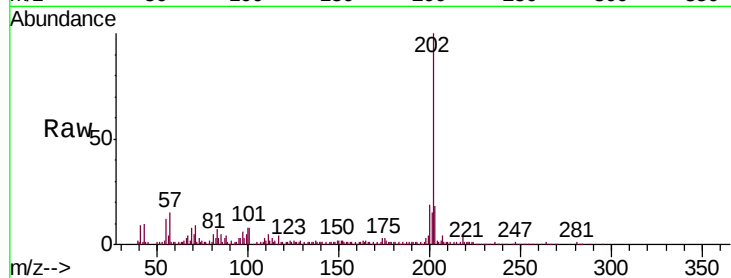
Tot Ion:202 Resp: 109278

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.3

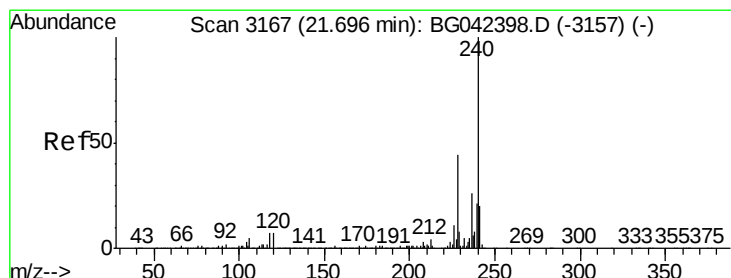
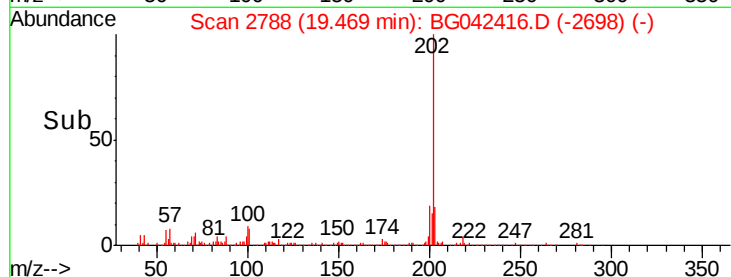
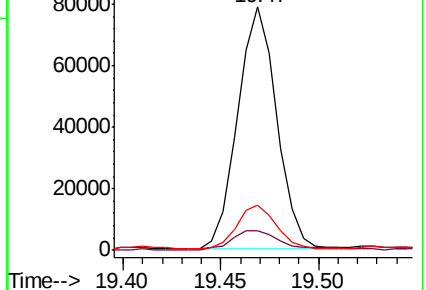
203 18.4 0.0 39.6



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# 3166

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

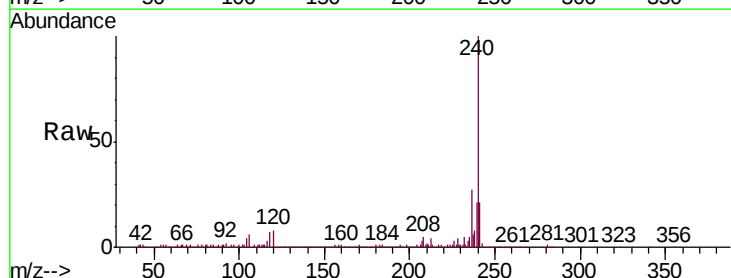
Tgt Ion:240 Resp: 458757

Ion Ratio Lower Upper

240 100

120 8.0 5.7 8.5

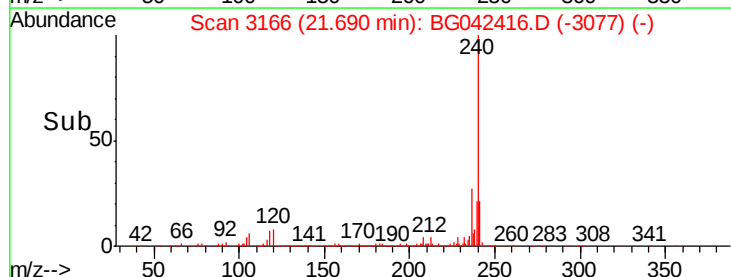
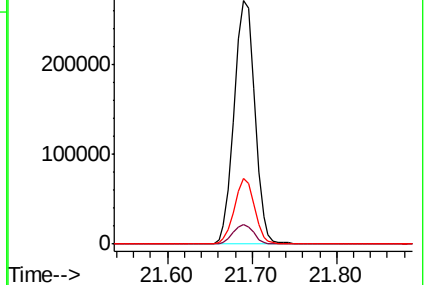
236 27.1 21.0 31.4

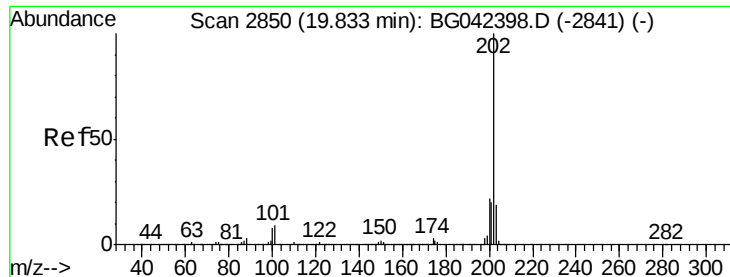


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.932 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

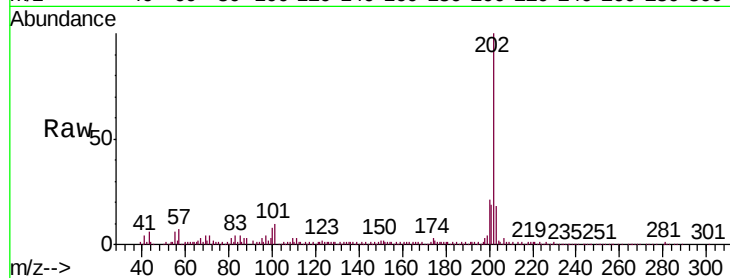
Tot Ion:202 Resp: 138725

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

203 18.4 15.5 23.3

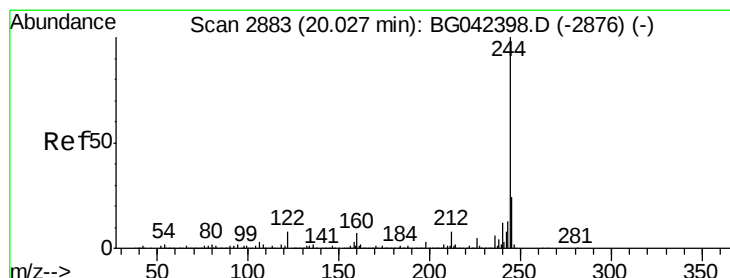
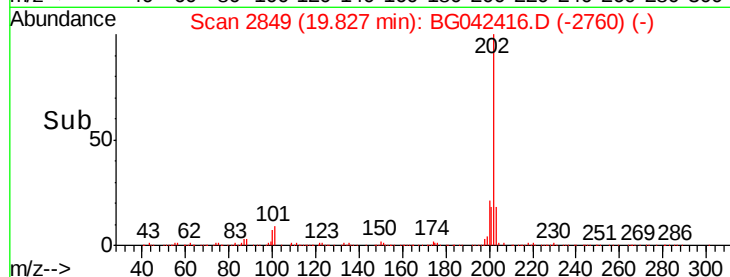
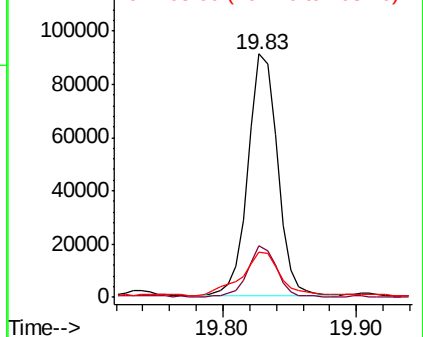


Abundance

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: 40.832 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

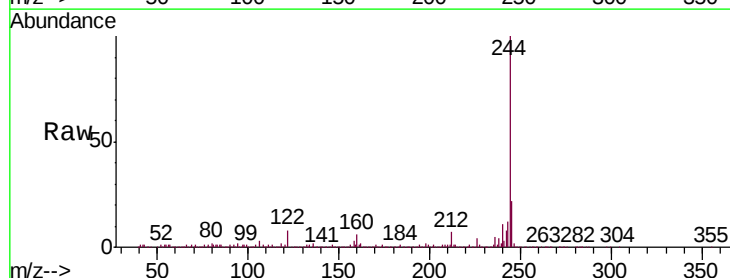
Tgt Ion:244 Resp: 866459

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.2 6.7 10.1

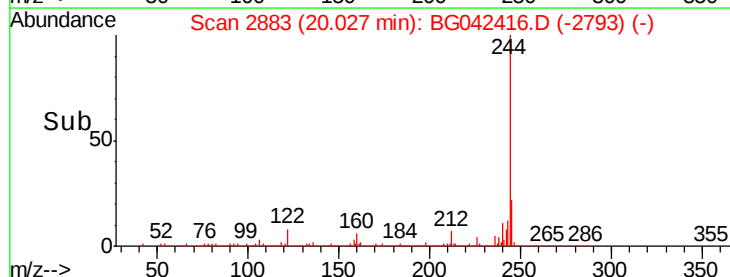
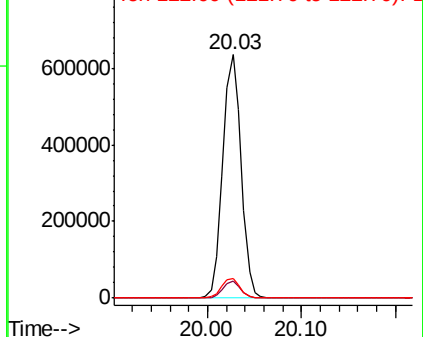


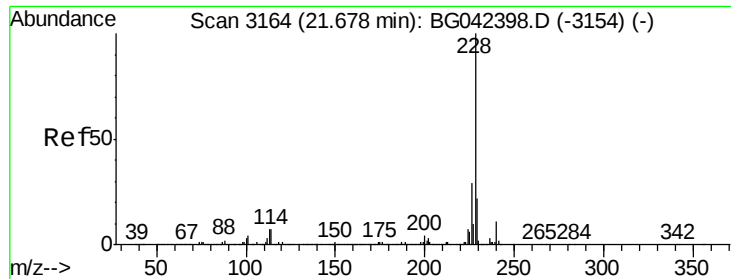
Abundance

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: 2.476 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

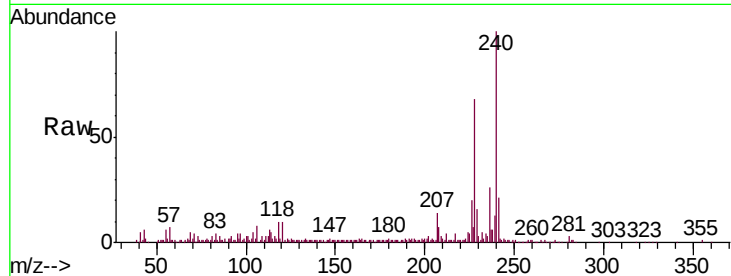
Tot Ion:228 Resp: 69086

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

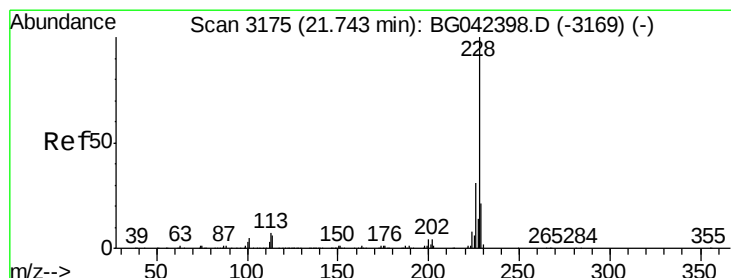
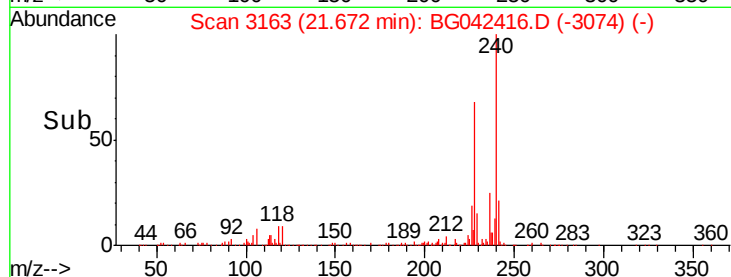
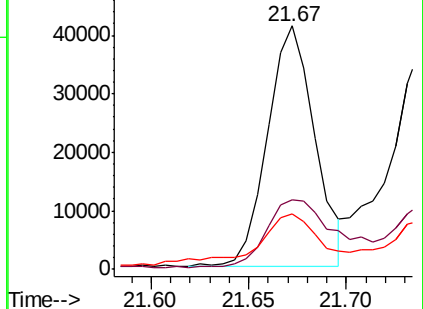
229 22.7 17.4 26.2



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: 2.453 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

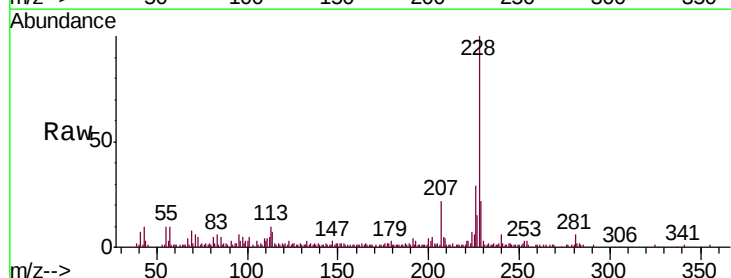
Tgt Ion:228 Resp: 66028

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

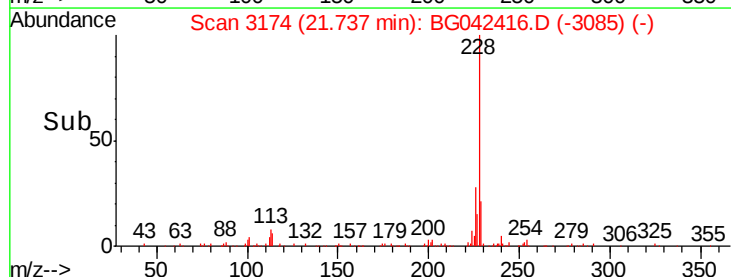
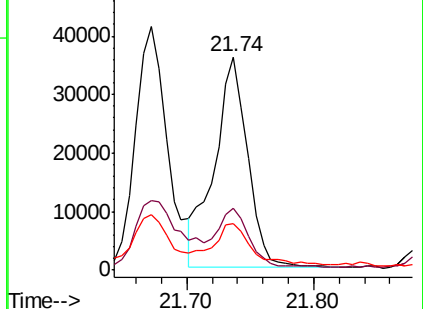
229 22.0 16.9 25.3

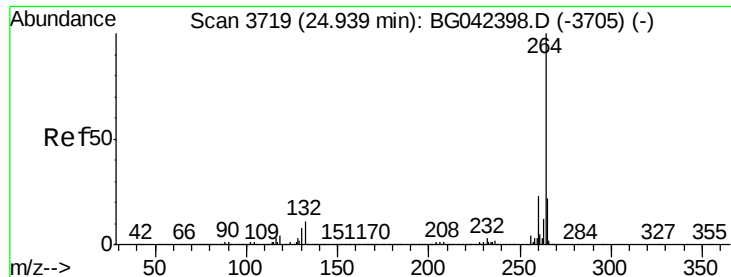


Abundance Ion 228.00 (227.70 to 228.70): E

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# 3718

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

Instrument :

BNA_G

ClientSampleId :

CFVP-228L

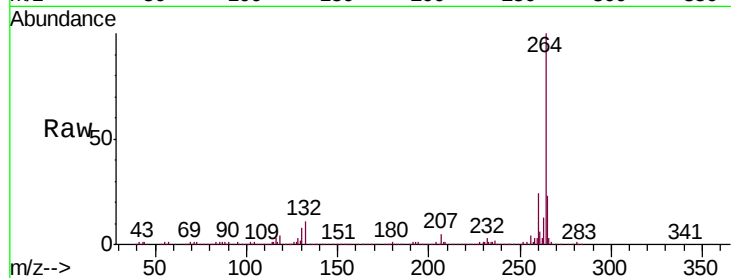
Tot Ion:264 Resp: 495564

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

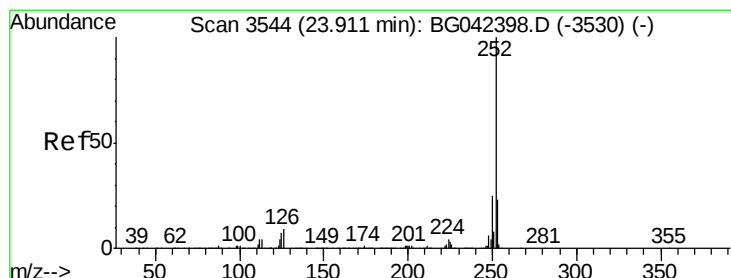
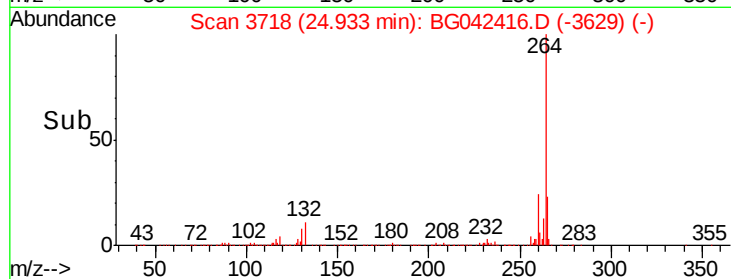
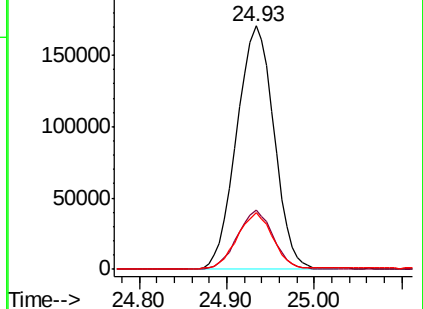
265 23.3 17.6 26.4



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: 3.624 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042416.D

Acq: 23 Aug 2019 00:45

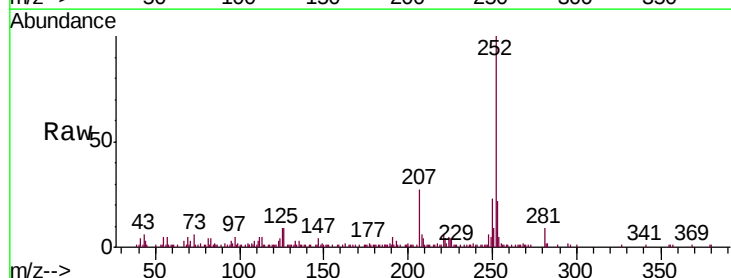
Tgt Ion:252 Resp: 98744

Ion Ratio Lower Upper

252 100

253 21.8 18.6 27.8

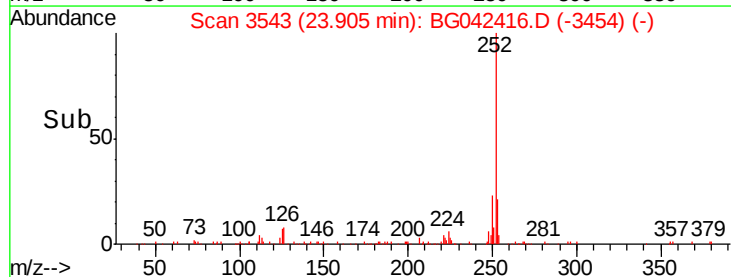
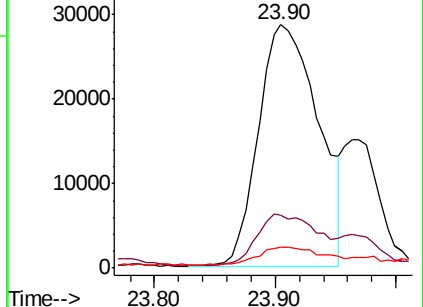
125 8.6 5.6 8.4#

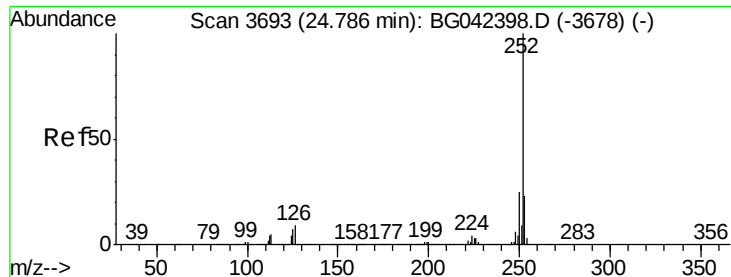


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

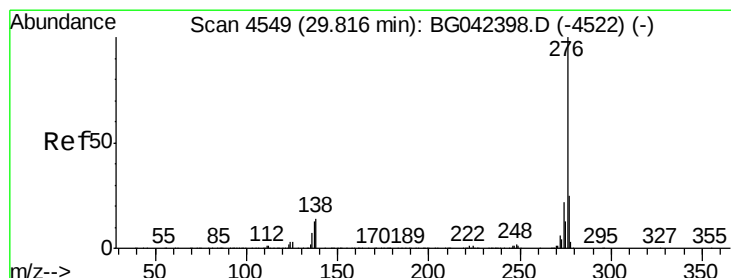
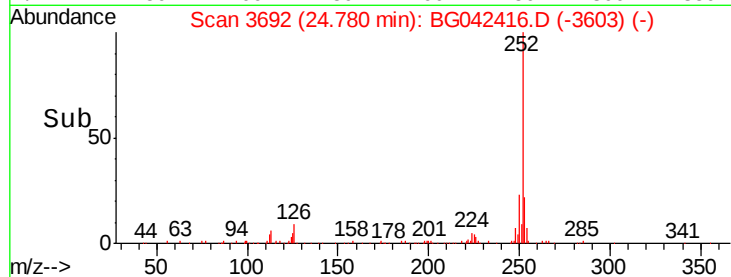
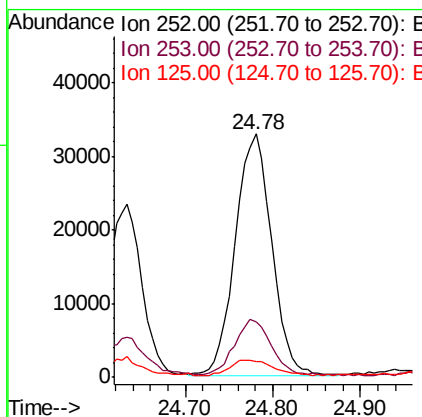
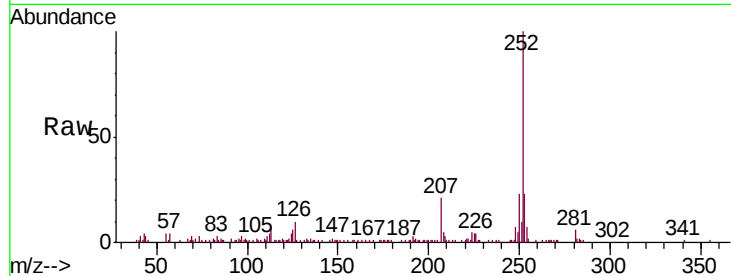




#90
Benzo(a)pyrene
Concen: 3.566 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Instrument :
BNA_G
ClientSampleId :
CFVP-228L

Tot Ion:252 Resp: 92198
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 6.3 6.0 9.0



#92
Benzo(g,h,i)perylene
Concen: 3.060 ng
RT: 29.79 min Scan# 4544
Delta R.T. -0.03 min
Lab File: BG042416.D
Acq: 23 Aug 2019 00:45

Tgt Ion:276 Resp: 80120
Ion Ratio Lower Upper
276 100
277 22.9 19.8 29.8
138 15.9 11.4 17.0

