

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043382.D
 Acq On : 29 Oct 2019 20:15
 Operator : JU
 Sample : K5541-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)

Quant Time: Oct 30 08:29:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	45635	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	179971	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	129054	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	283943	20.00	ng	0.00
76) Chrysene-d12	21.66	240	304378	20.00	ng	0.00
87) Perylene-d12	24.86	264	364383	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	225409	90.51	ng	0.00
7) Phenol-d6	7.21	99	316245	88.26	ng	0.00
23) Nitrobenzene-d5	9.19	82	193005	55.29	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	182770	74.42	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	461840	49.45	ng	0.00
79) Terphenyl-d14	20.00	244	799286	49.26	ng	0.00

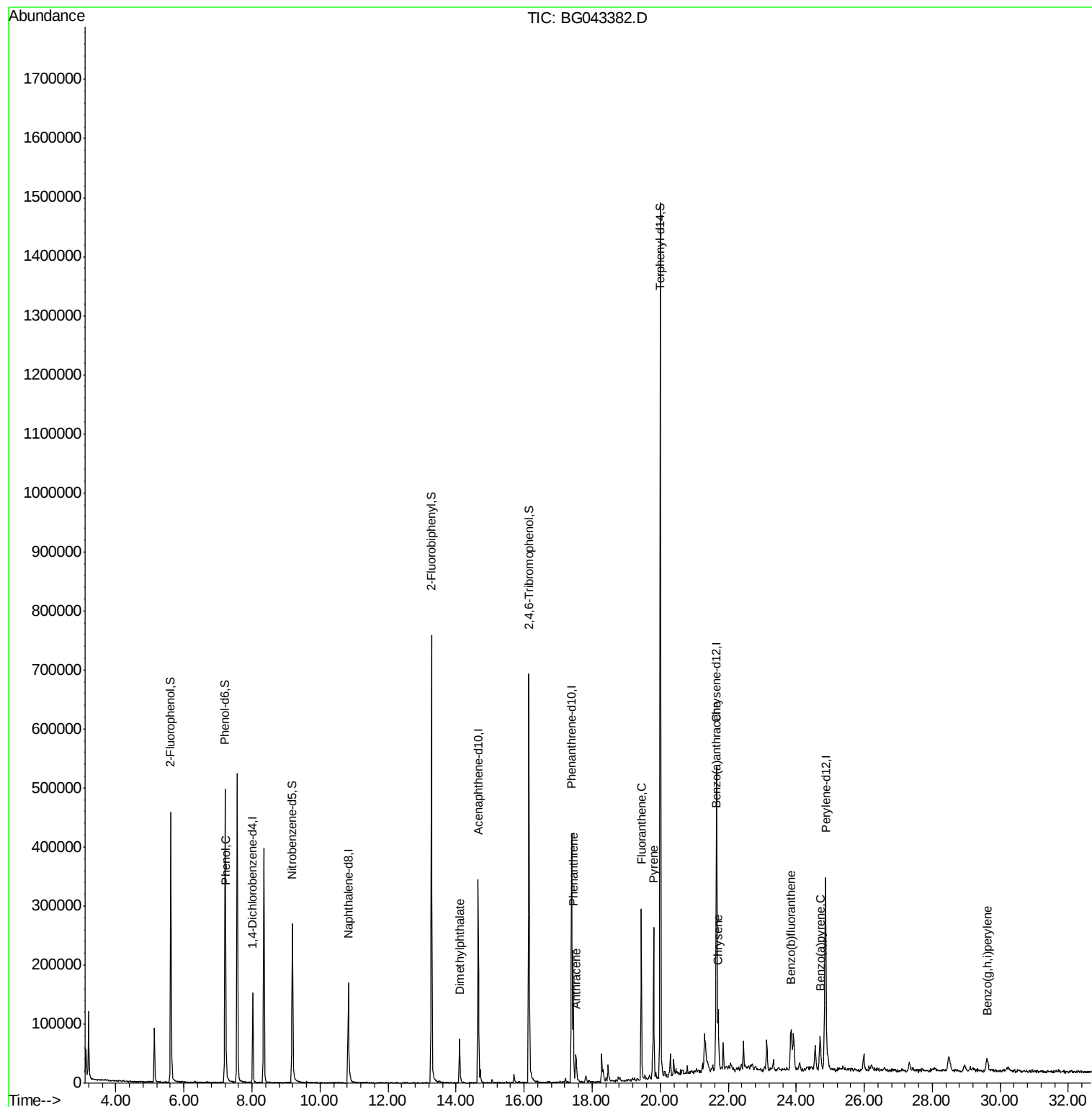
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	7475	2.283	ng	# 55
50) Dimethylphthalate	14.10	163	67043	6.707	ng	# 98
71) Phenanthrene	17.44	178	145714	10.022	ng	98
72) Anthracene	17.53	178	30565	2.101	ng	93
75) Fluoranthene	19.45	202	210413	11.100	ng	97
78) Pyrene	19.80	202	179599	9.533	ng	97
81) Benzo(a)anthracene	21.64	228	90486	4.746	ng	99
83) Chrysene	21.70	228	74817	3.949	ng	98
88) Benzo(b)fluoranthene	23.85	252	99996	4.845	ng	# 97
90) Benzo(a)pyrene	24.70	252	75372	3.825	ng	# 97
92) Benzo(g,h,i)perylene	29.63	276	45038	2.265	ng	# 90

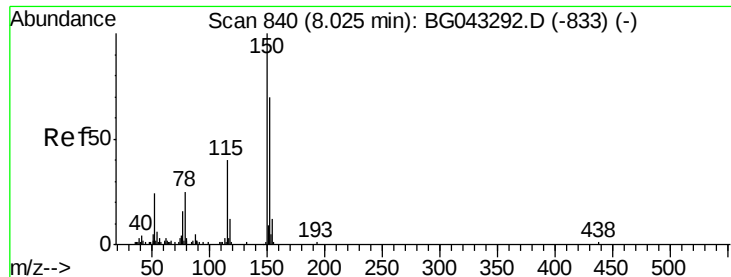
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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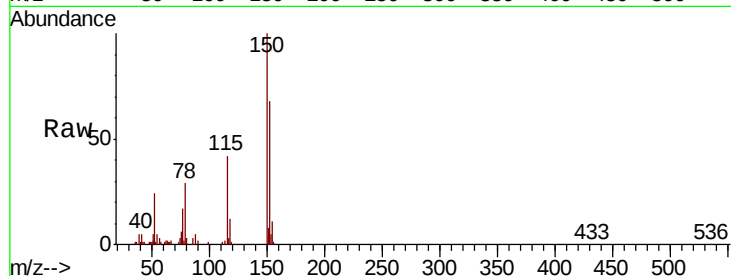


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	113.6	170.4
115	62.5	45.9	68.9

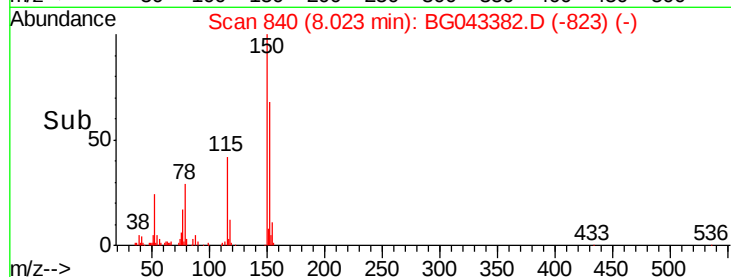
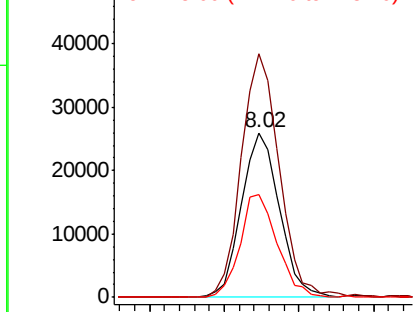


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

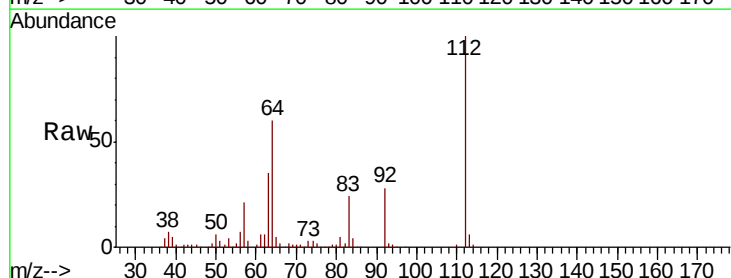
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.512 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	50.2	75.2
63	35.4	26.7	40.1

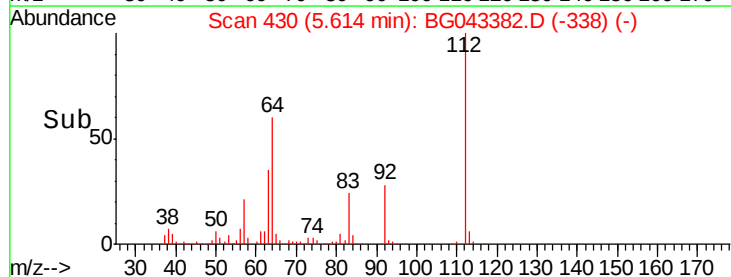
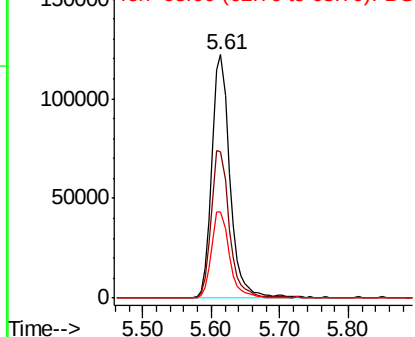


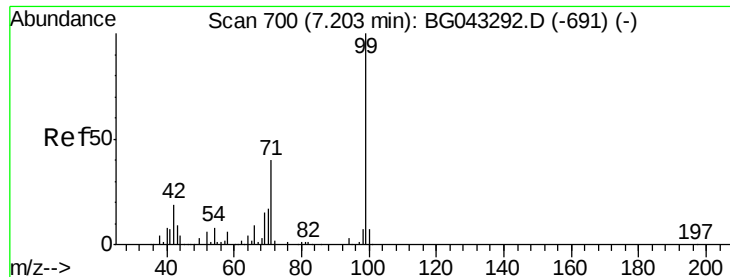
Abundance

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: 88.261 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

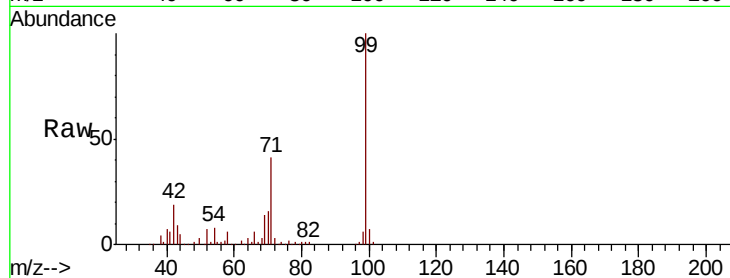
Tot Ion: 99 Resp: 316245

Ion Ratio Lower Upper

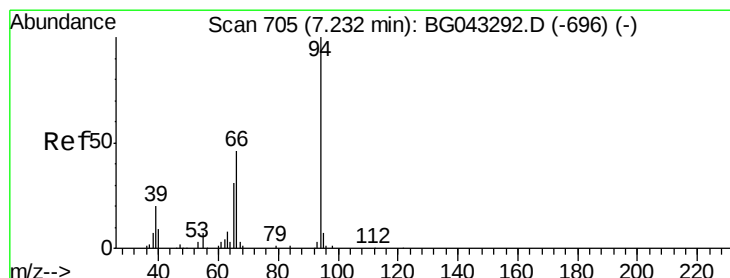
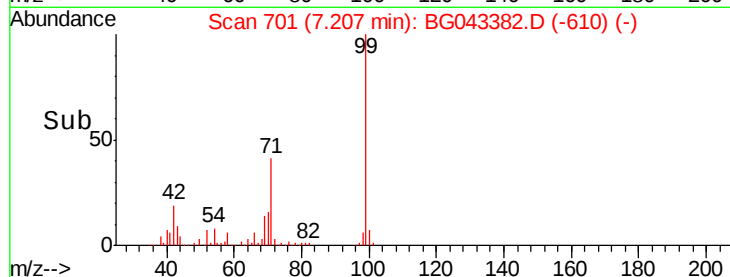
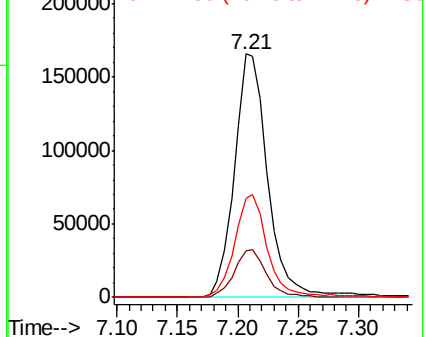
99 100

42 19.0 14.9 22.3

71 40.7 32.2 48.2



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: 2.283 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

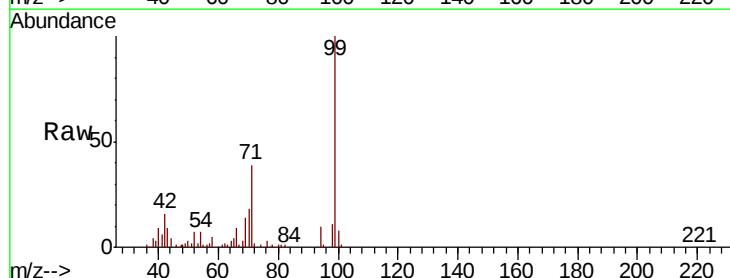
Tgt Ion: 94 Resp: 7475

Ion Ratio Lower Upper

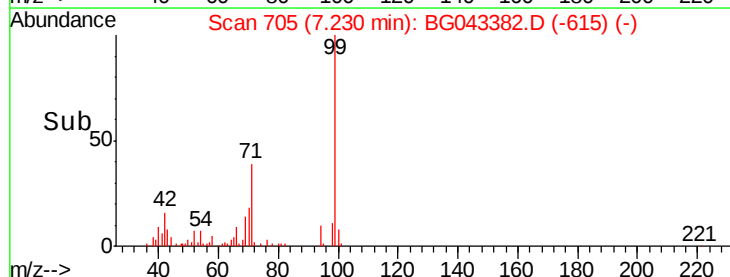
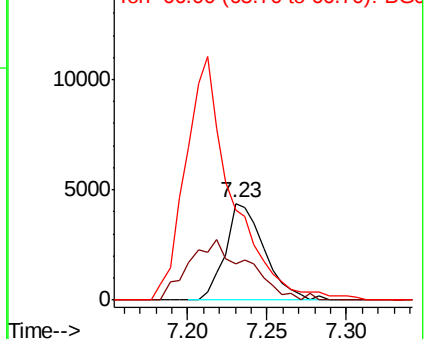
94 100

65 37.6 11.1 51.1

66 93.2 27.8 67.8#



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

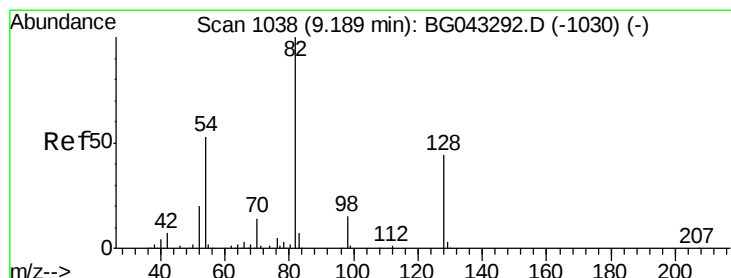
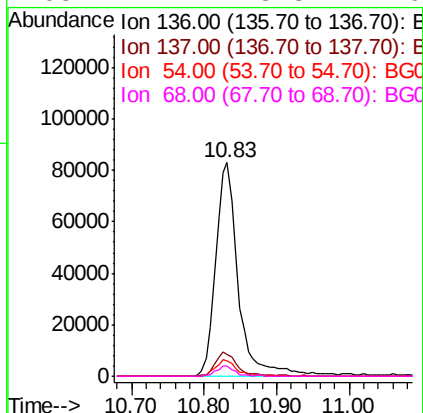
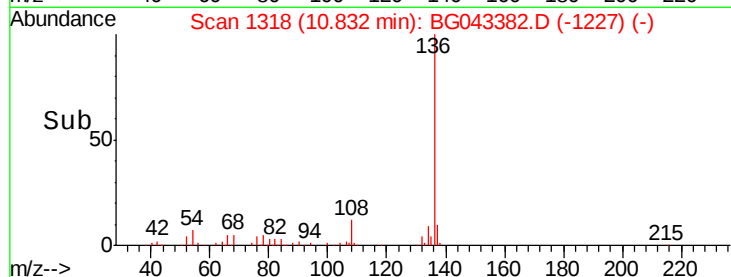
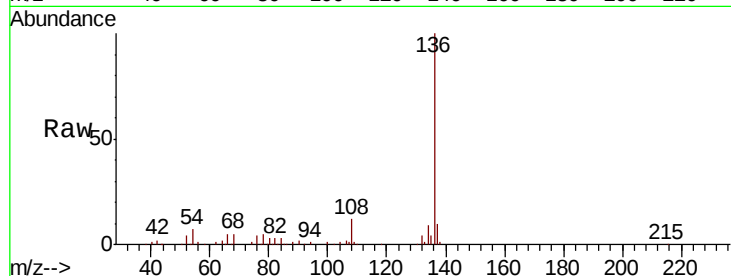




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

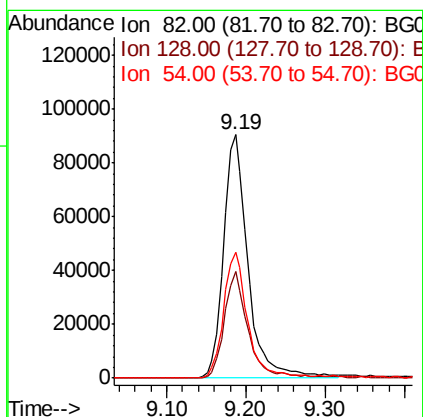
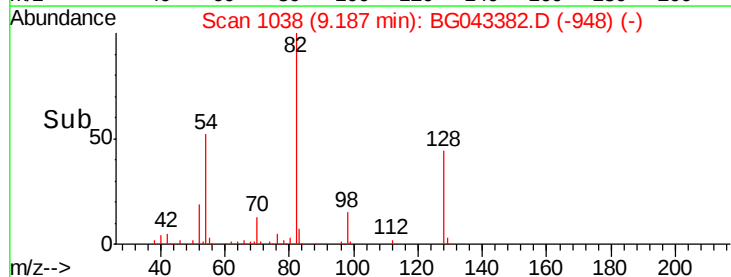
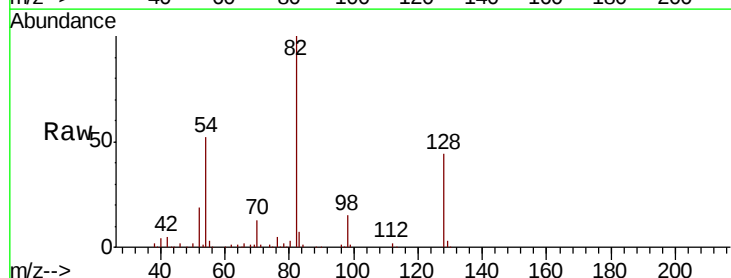
Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)

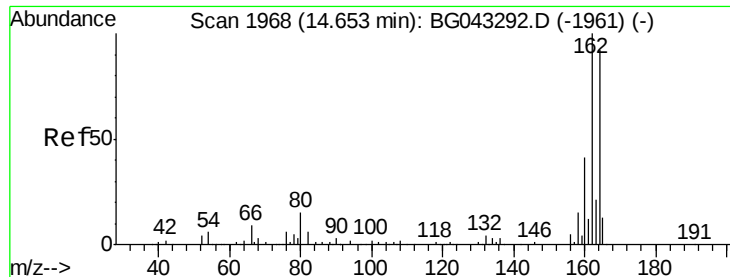
Tot Ion:136	Resp:	179971
Ion Ratio	Lower	Upper
136 100		
137 10.1	8.2	12.2
54 7.1	5.4	8.2
68 4.7	3.3	4.9



#23
Nitrobenzene-d5
Concen: 55.288 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion: 82	Resp: 193005
Ion Ratio	Lower Upper
82 100	
128 43.5	35.3 52.9
54 51.6	42.3 63.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

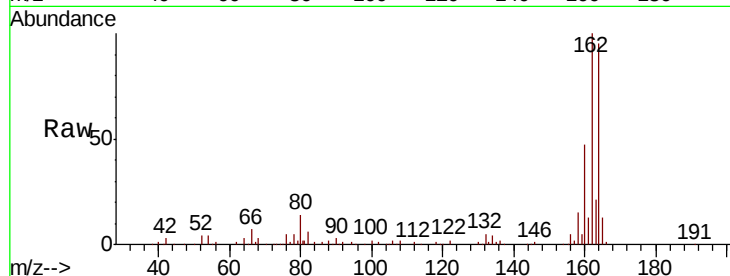
Tot Ion:164 Resp: 129054

Ion Ratio Lower Upper

164 100

162 105.3 87.0 130.4

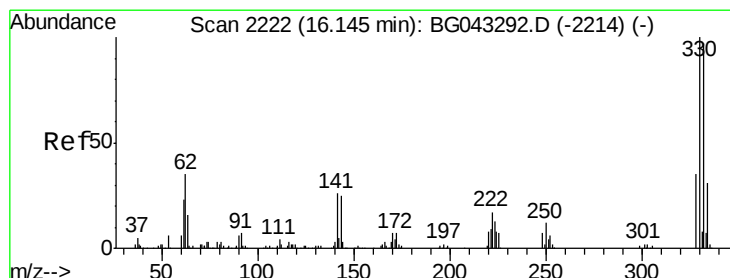
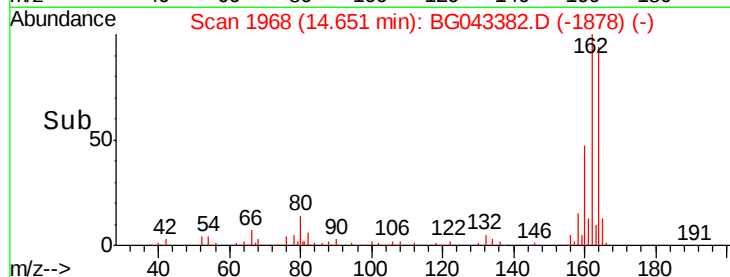
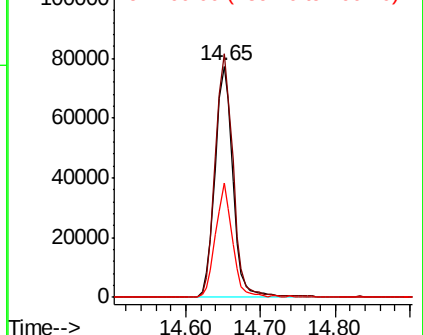
160 49.5 35.5 53.3



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: 74.421 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

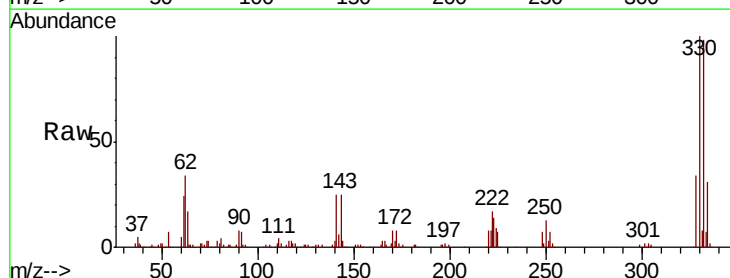
Tgt Ion:330 Resp: 182770

Ion Ratio Lower Upper

330 100

332 98.2 76.4 114.6

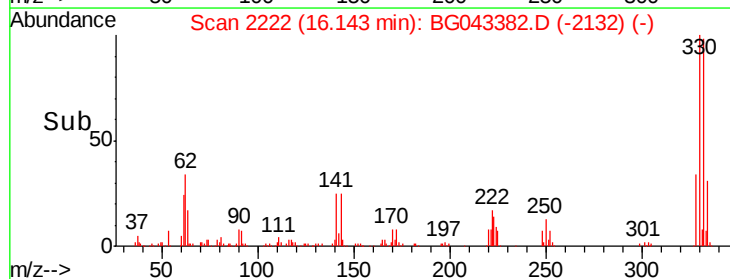
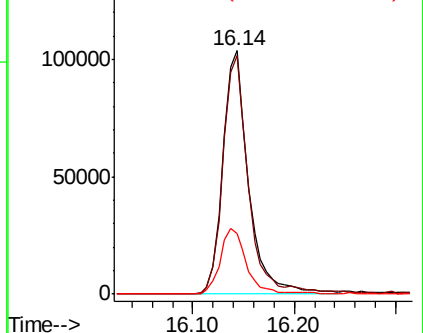
141 28.0 21.4 32.0

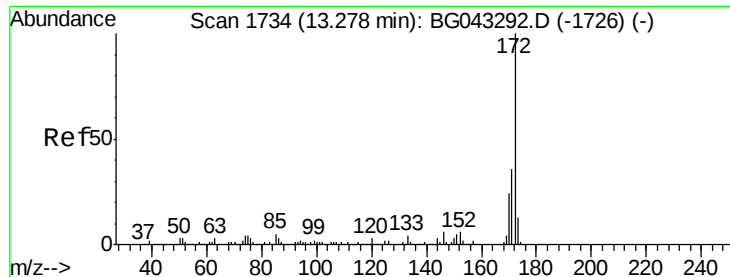


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

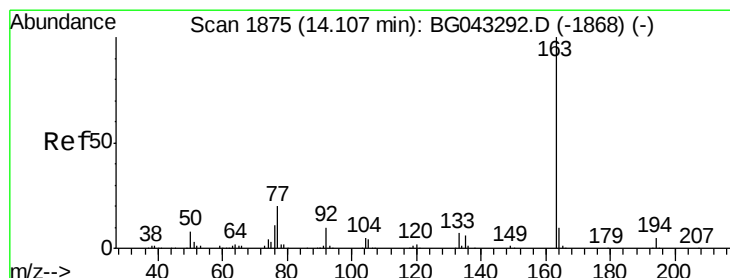
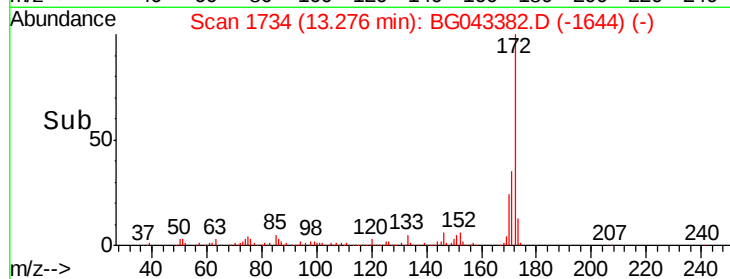
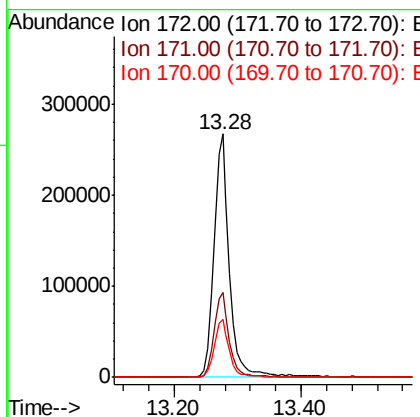
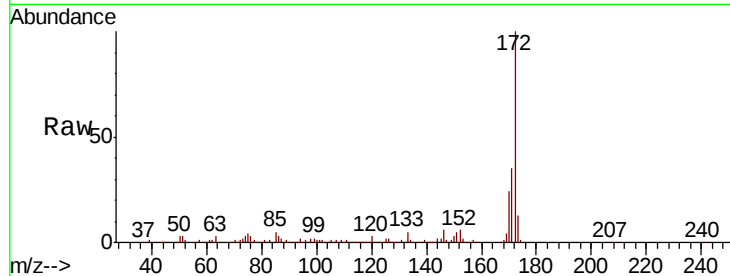




#45
2-Fluorobiphenyl
Concen: 49.450 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

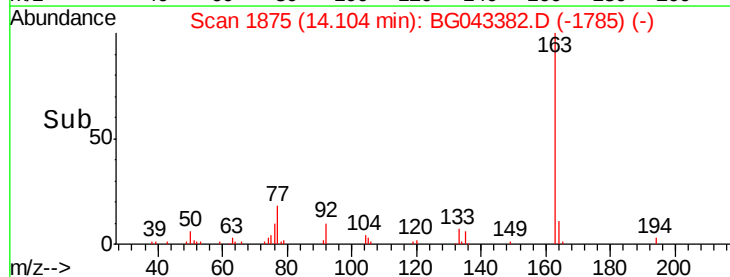
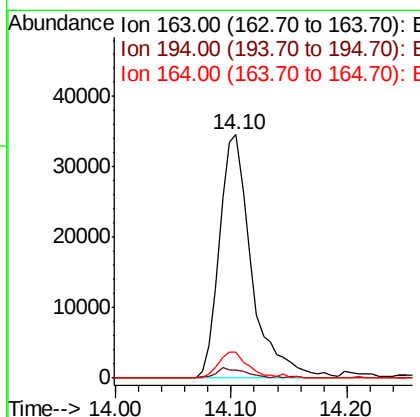
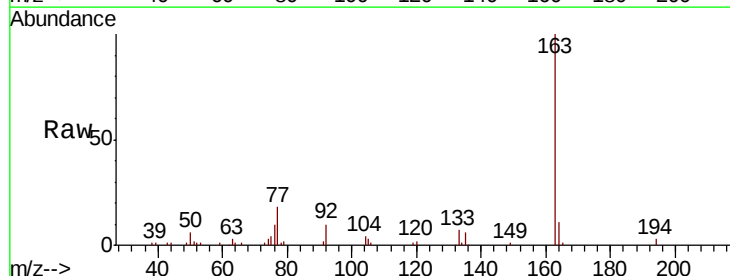
Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)

Tot Ion:172 Resp: 461840
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.7 18.8 28.2



#50
Dimethylphthalate
Concen: 6.707 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion:163 Resp: 67043
Ion Ratio Lower Upper
163 100
194 3.5 3.7 5.5#
164 10.8 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

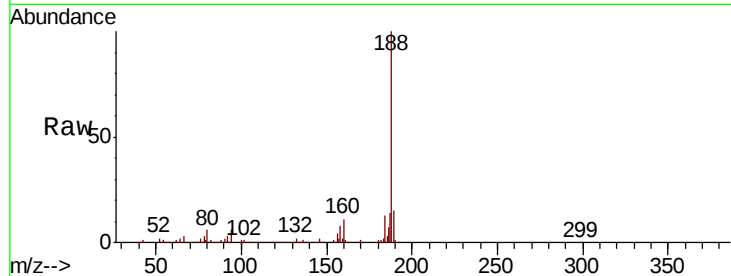
Tot Ion:188 Resp: 283943

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

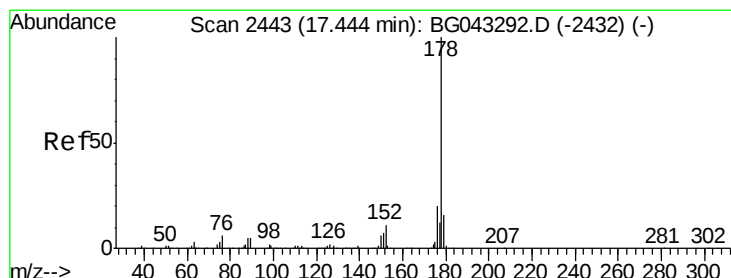
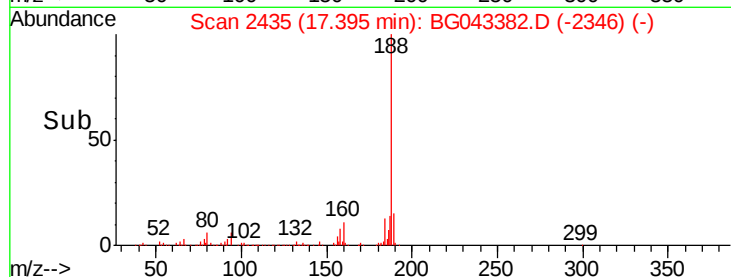
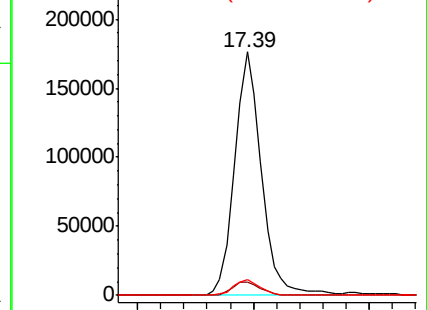
80 6.3 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#71

Phenanthrene

Concen: 10.022 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

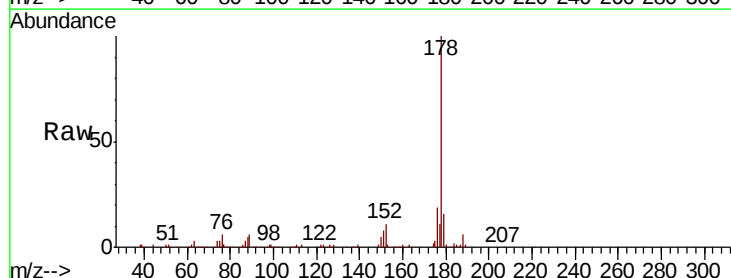
Tgt Ion:178 Resp: 145714

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

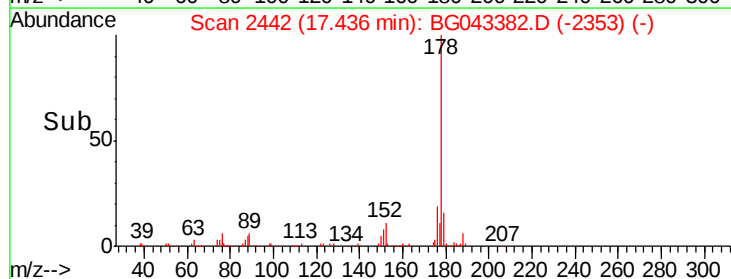
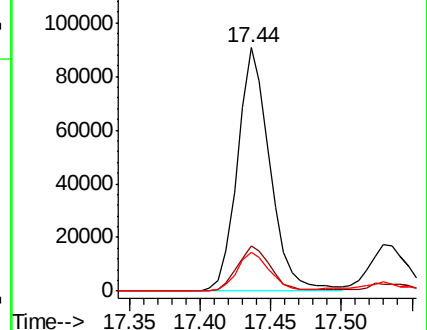
179 15.8 13.1 19.7

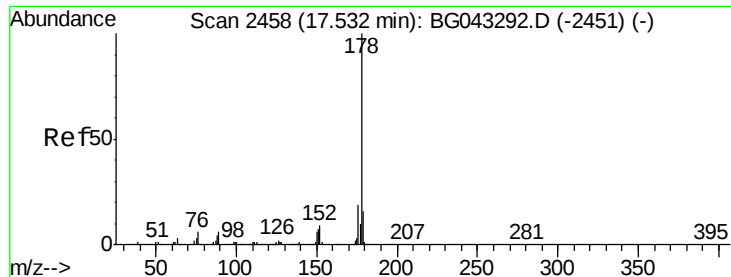


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.101 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

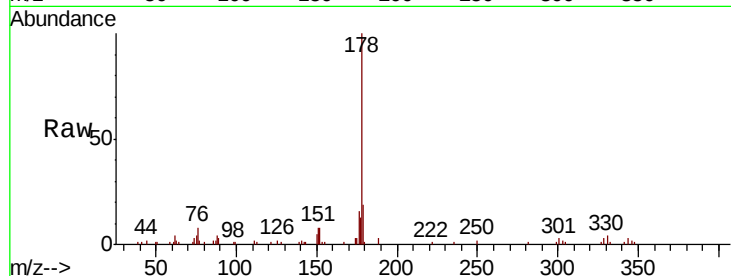
Tot Ion:178 Resp: 30565

Ion Ratio Lower Upper

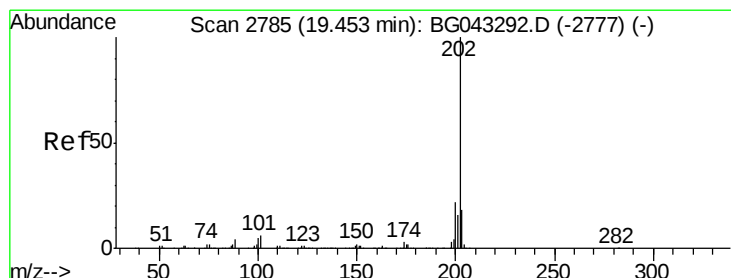
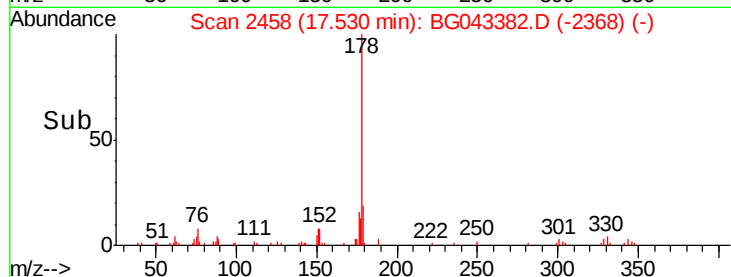
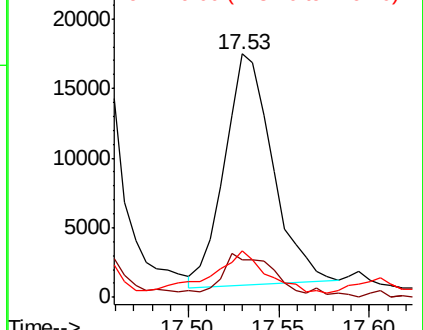
178 100

176 15.7 15.1 22.7

179 18.9 13.0 19.6



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: 11.100 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

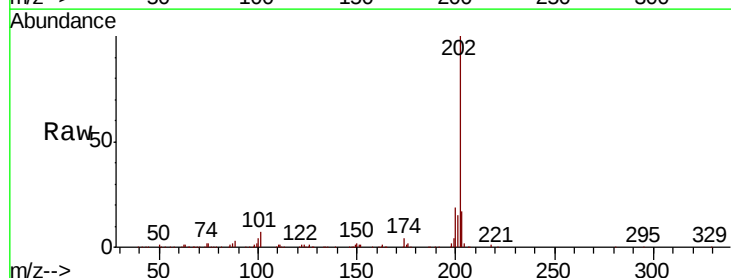
Tgt Ion:202 Resp: 210413

Ion Ratio Lower Upper

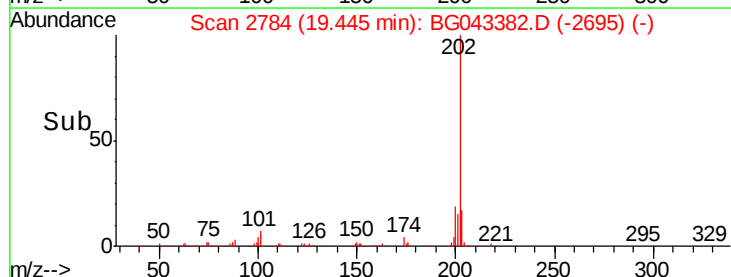
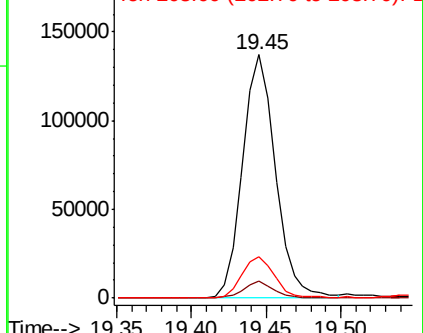
202 100

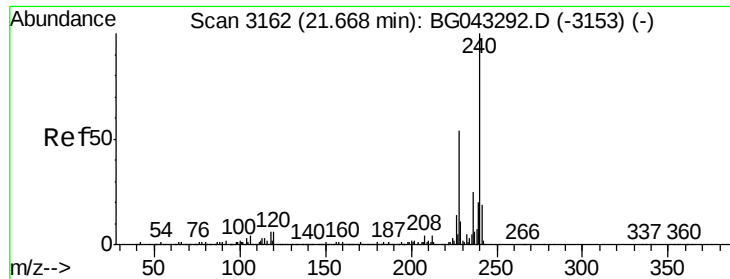
101 6.8 0.0 26.0

203 17.0 0.0 38.2



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

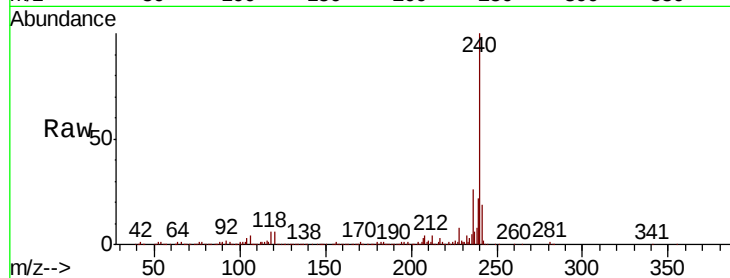
Tot Ion:240 Resp: 304378

Ion Ratio Lower Upper

240 100

120 5.6 4.6 7.0

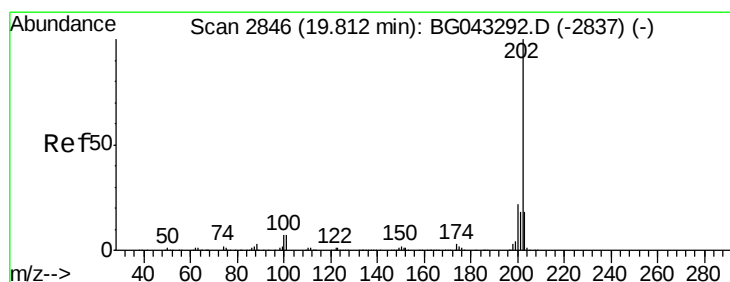
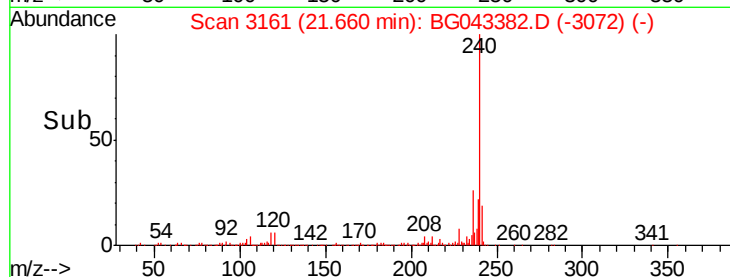
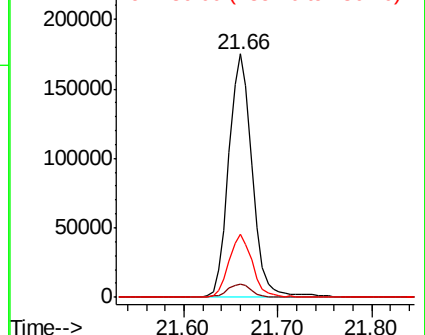
236 26.0 20.2 30.4



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

Pyrene

Concen: 9.533 ng

RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

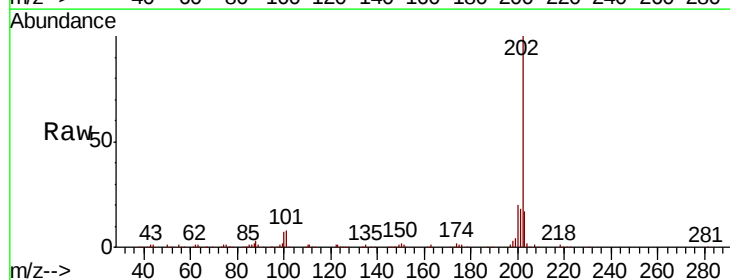
Tgt Ion:202 Resp: 179599

Ion Ratio Lower Upper

202 100

200 20.1 17.3 25.9

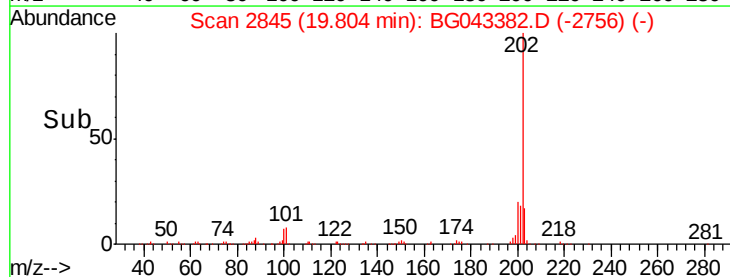
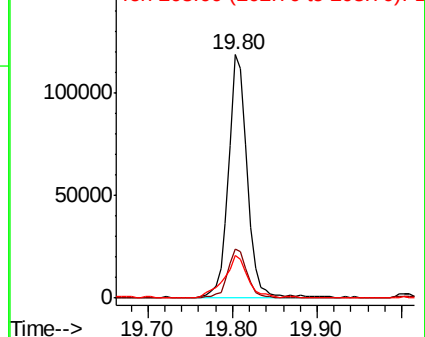
203 17.3 14.5 21.7

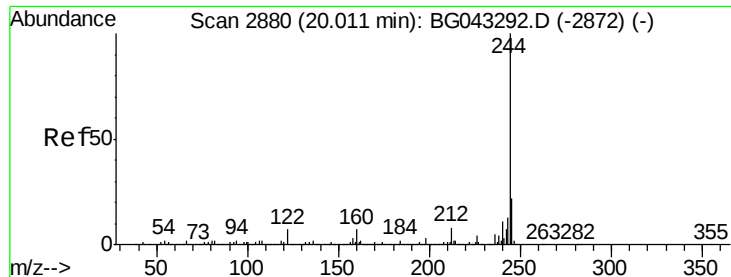


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.265 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

17-20-(0-2.5)

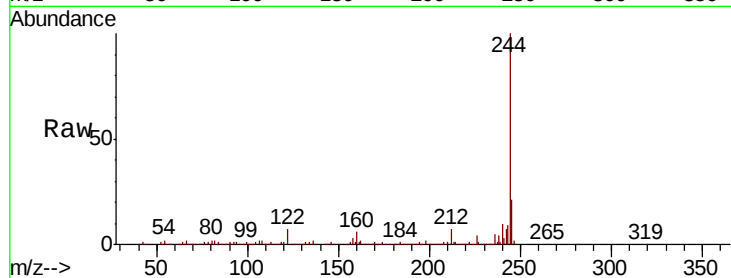
Tot Ion:244 Resp: 799286

Ion Ratio Lower Upper

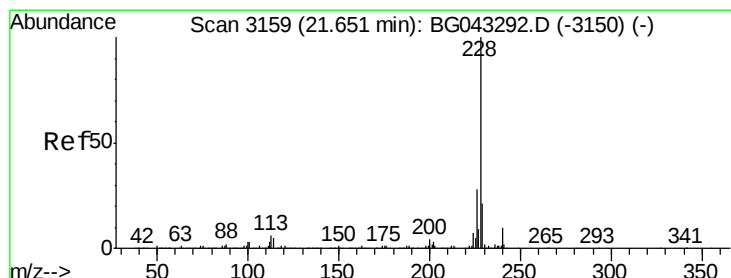
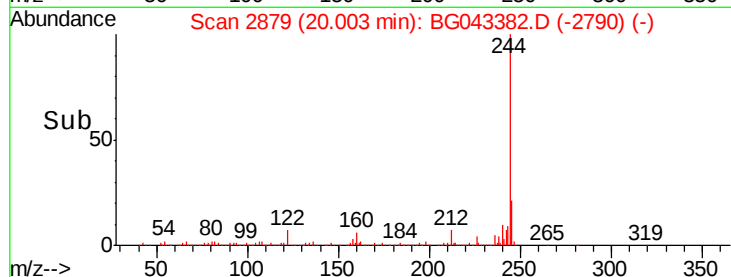
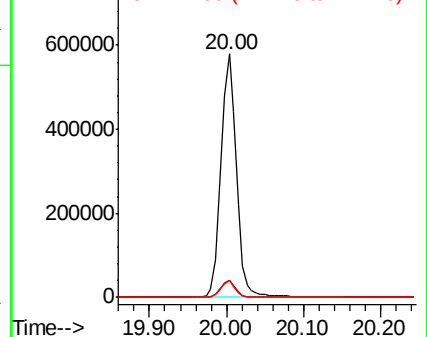
244 100

212 6.8 6.4 9.6

122 7.0 5.3 7.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.746 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

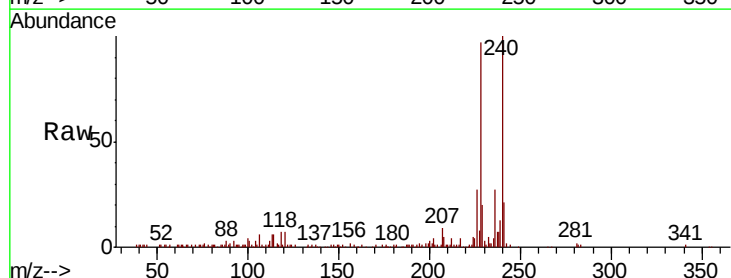
Tgt Ion:228 Resp: 90486

Ion Ratio Lower Upper

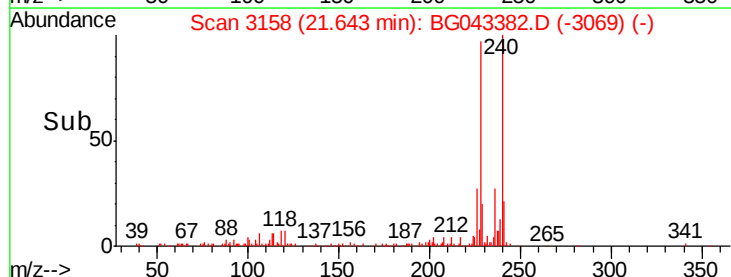
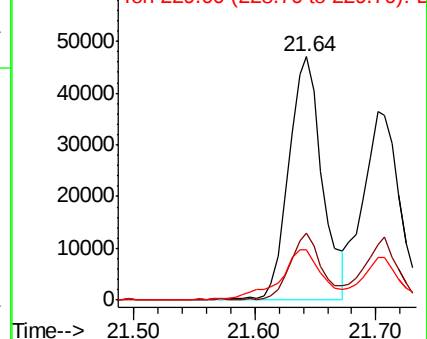
228 100

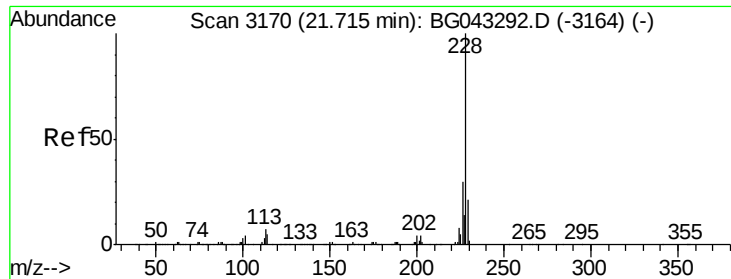
226 27.5 22.2 33.4

229 20.9 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

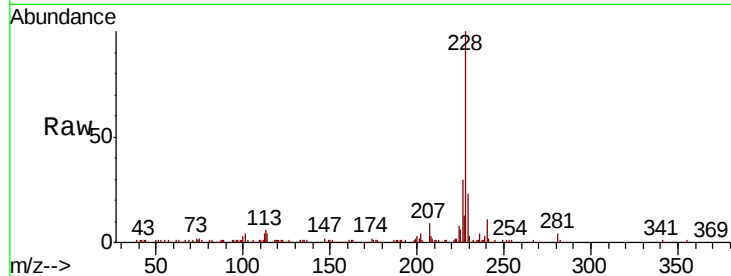




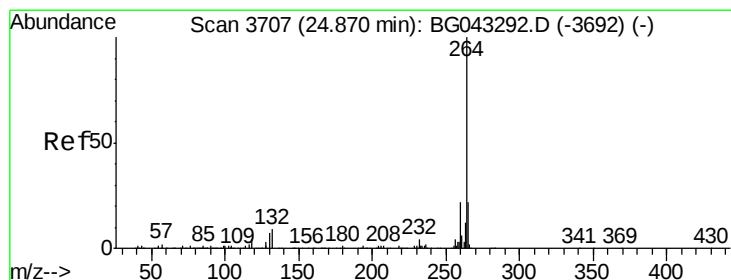
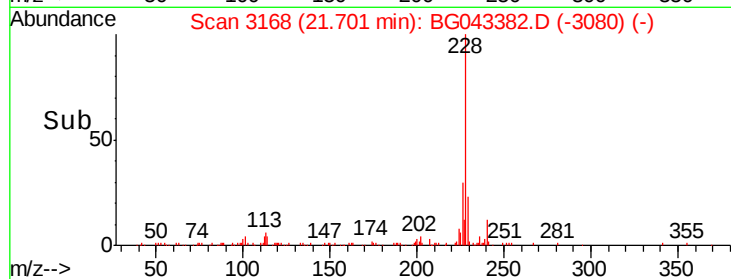
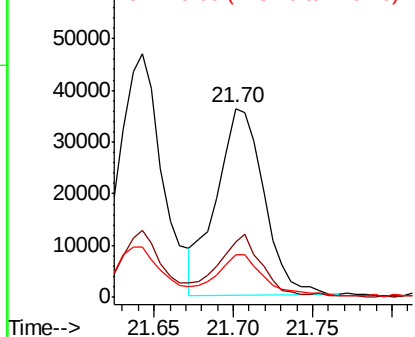
#83
Chrysene
Concen: 3.949 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)

Tot Ion:228 Resp: 74817
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 22.6 16.3 24.5

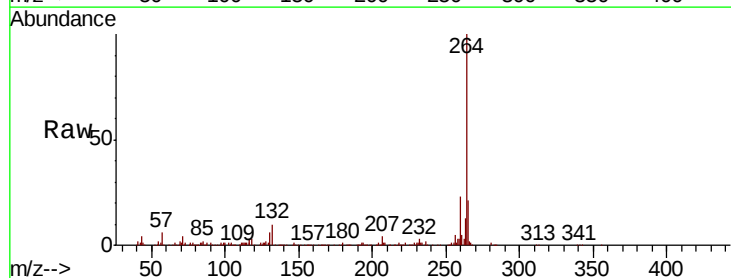


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

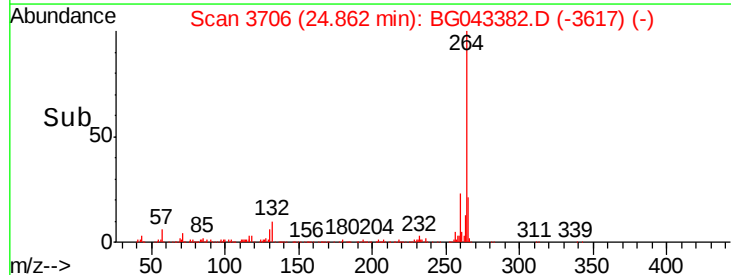
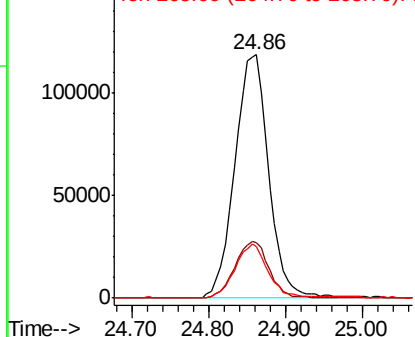


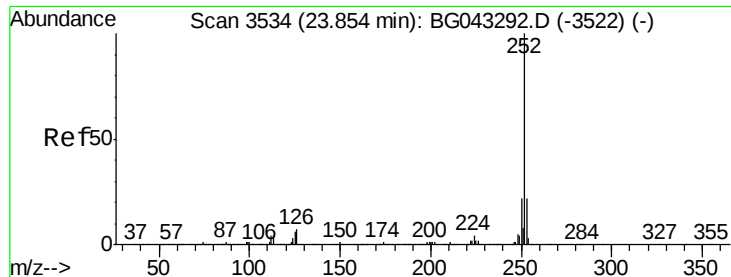
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion:264 Resp: 364383
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 21.4 17.4 26.2



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

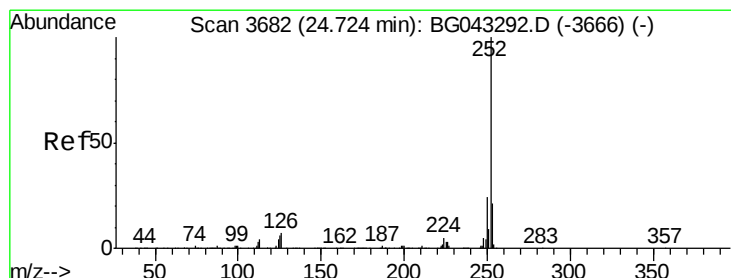
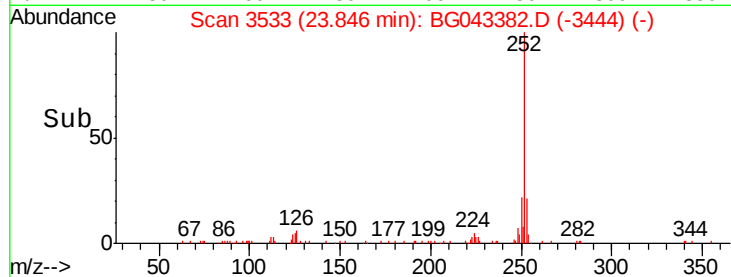
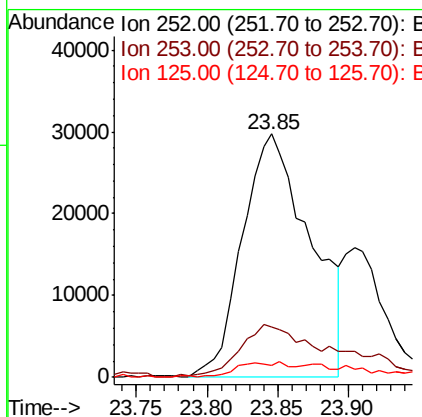
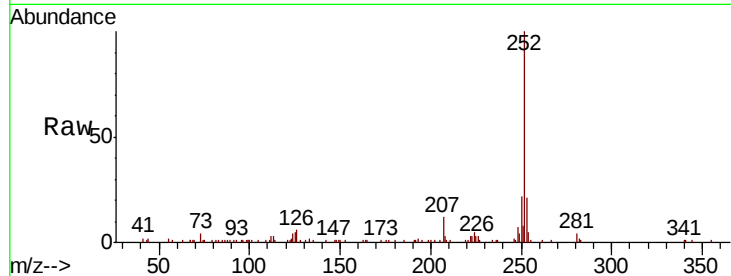




#88
Benzo(b)fluoranthene
Concen: 4.845 ng
RT: 23.85 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

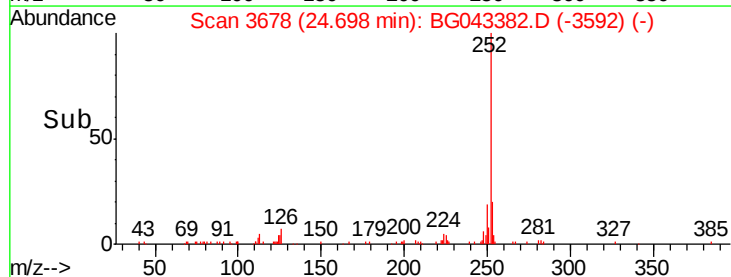
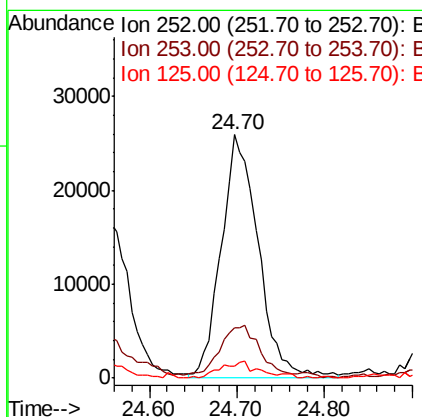
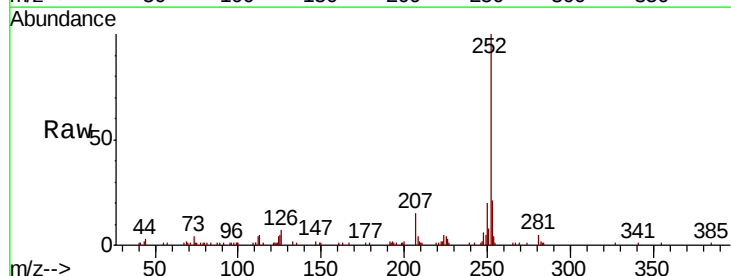
Instrument :
BNA_G
ClientSampleId :
17-20-(0-2.5)

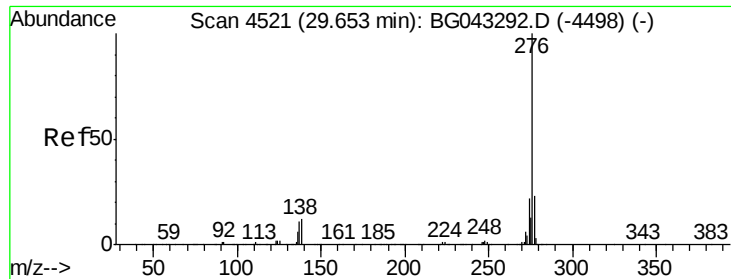
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	4.8	5.0	7.6#



#90
Benzo(a)pyrene
Concen: 3.825 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.03 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.2	25.8
125	4.7	5.0	7.6#





#92
 Benzo(a,h,i)perylene
 Concen: 2.265 ng
 RT: 29.63 min Scan# 4517
 Delta R.T. -0.03 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

Instrument :
 BNA_G
 ClientSampleId :
 17-20-(0-2.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	18.5	18.3	27.5
138	16.0	9.3	13.9

