

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\
 Data File : BG045140.D
 Acq On : 23 Apr 2020 13:53
 Operator : CG/JU
 Sample : L2314-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WB-4-2

Quant Time: Apr 23 15:24:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 15:21:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	86992	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	341770	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	246283	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	536275	20.00	ng	0.00
76) Chrysene-d12	21.65	240	475583	20.00	ng	0.00
87) Perylene-d12	24.83	264	512127	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	728472	138.25	ng	0.00
7) Phenol-d6	7.18	99	1071379	136.85	ng	0.00
23) Nitrobenzene-d5	9.17	82	749413	100.05	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	536733	141.07	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1654773	98.52	ng	0.00
79) Terphenyl-d14	20.00	244	2327139	106.65	ng	0.00

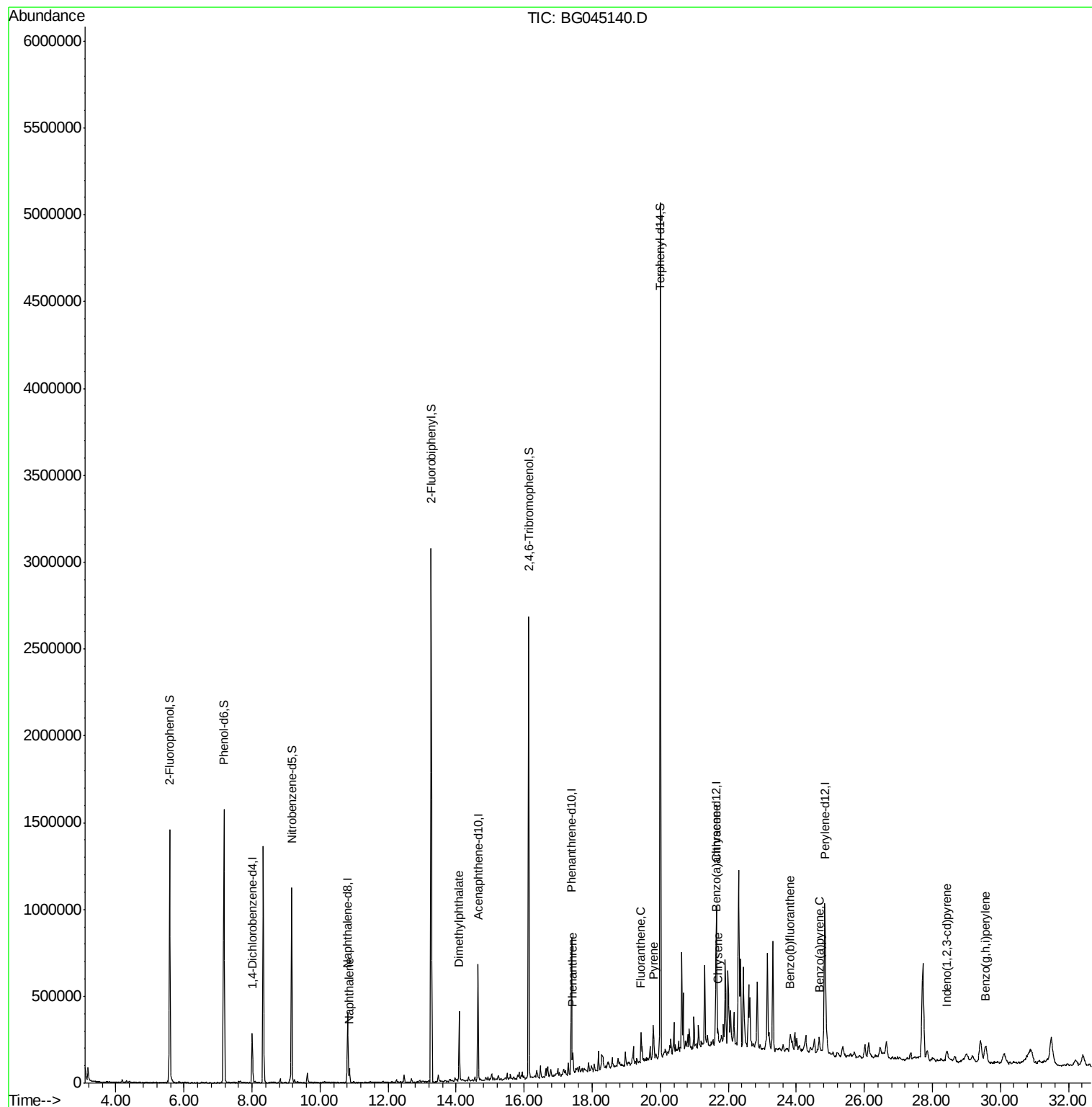
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.86	128	71156	3.806	ng	98
50) Dimethylphthalate	14.09	163	257788	12.855	ng	99
71) Phenanthrene	17.43	178	84358	3.061	ng	95
75) Fluoranthene	19.44	202	104210	2.979	ng	97
78) Pyrene	19.80	202	116568	3.555	ng	96
81) Benzo(a)anthracene	21.63	228	72471	2.351	ng	95
83) Chrysene	21.70	228	69403	2.343	ng	97
86) Indeno(1,2,3-cd)pyrene	28.43	276	103642	2.636	ng	# 95
88) Benzo(b)fluoranthene	23.82	252	123120	3.838	ng	# 95
90) Benzo(a)pyrene	24.68	252	104306	3.444	ng	95
92) Benzo(g,h,i)perylene	29.56	276	118122	3.860	ng	# 95

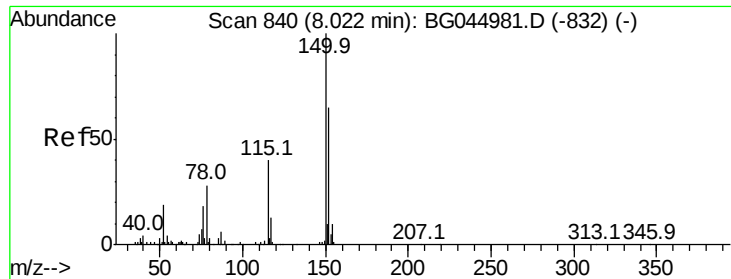
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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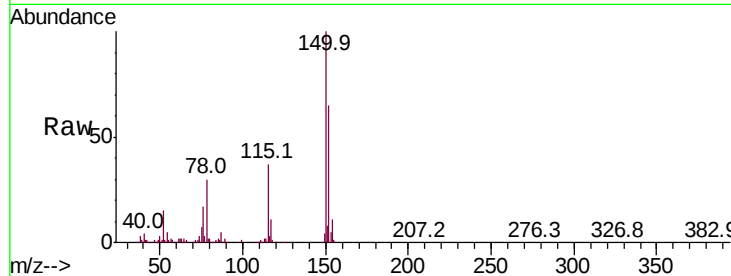


#1

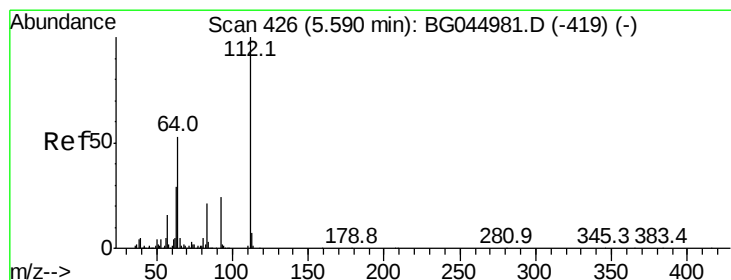
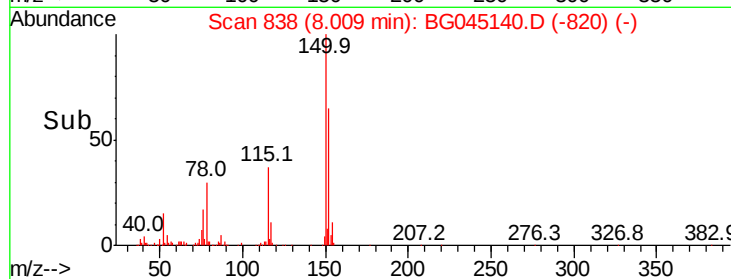
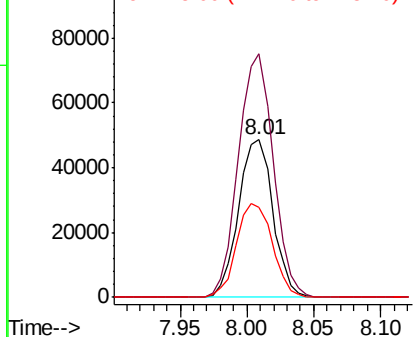
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BG045140.D
 Acq: 23 Apr 2020 13:53

Instrument :
 BNA_G
 ClientSampleId :
 WB-4-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.6	185.4
115	57.0	49.1	73.7



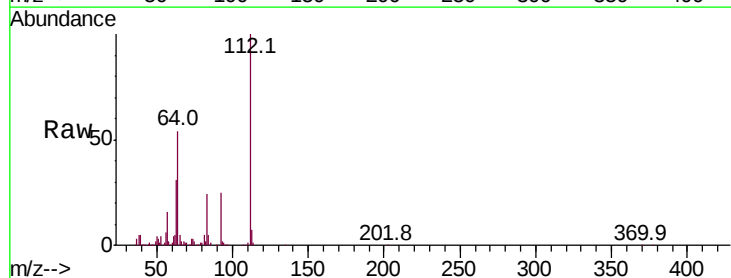
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



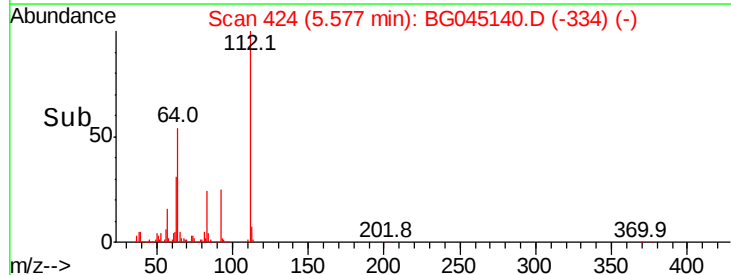
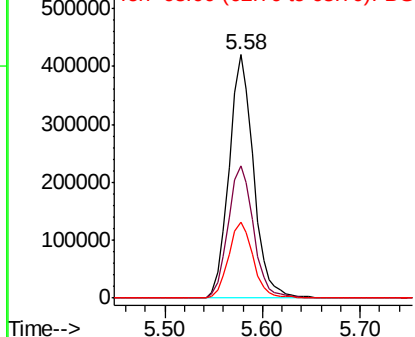
#5

2-Fluorophenol
 Concen: 138.250 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG045140.D
 Acq: 23 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.4	63.6
63	31.4	23.1	34.7



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: 136.852 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

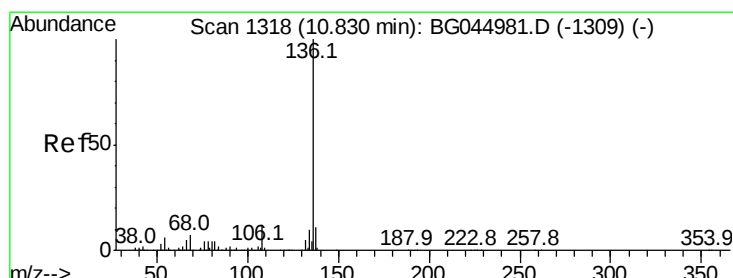
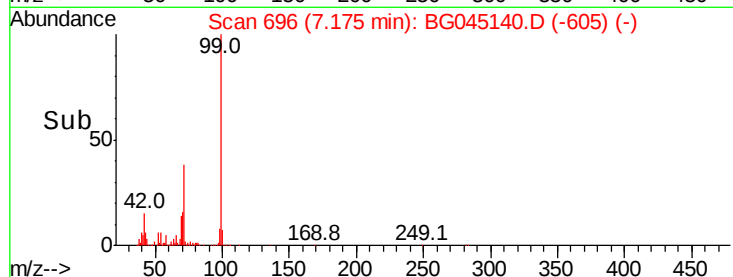
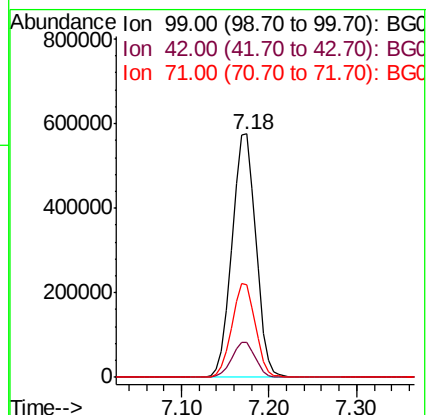
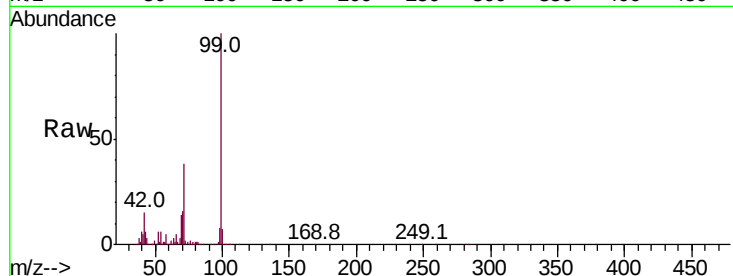
Tot Ion: 99 Resp: 1071379

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 38.1 28.3 42.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Tgt Ion: 136 Resp: 341770

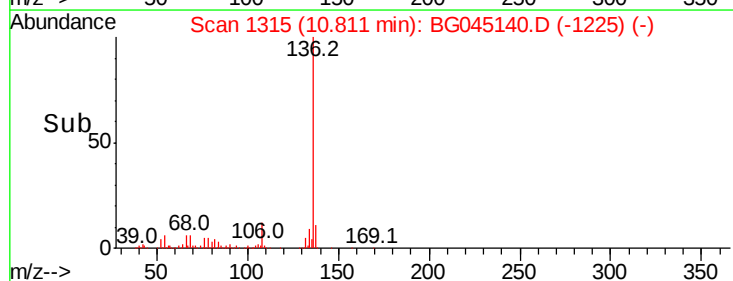
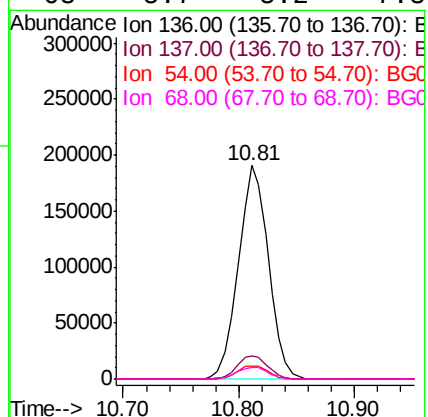
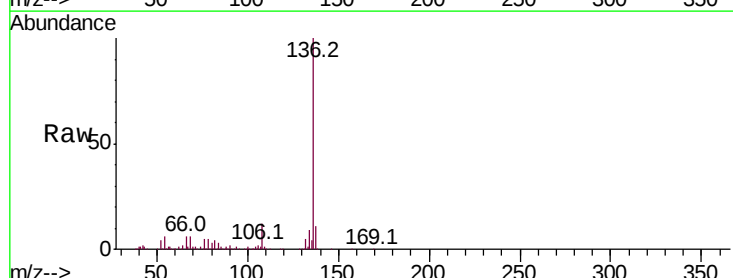
Ion Ratio Lower Upper

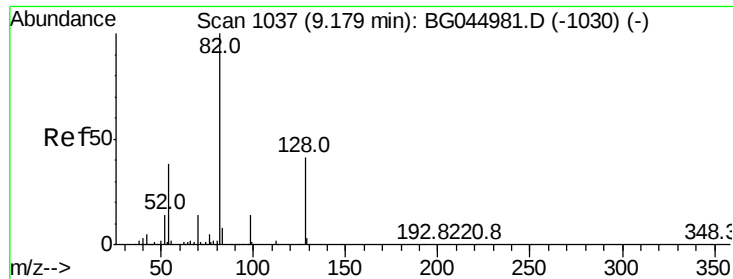
136 100

137 10.6 8.6 13.0

54 5.8 4.8 7.2

68 5.7 5.2 7.8

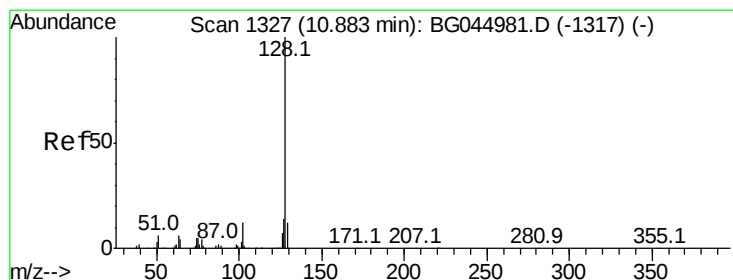
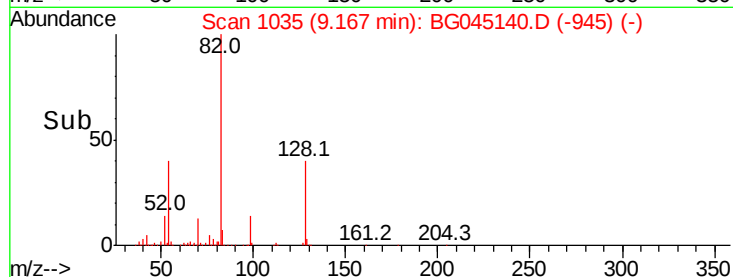
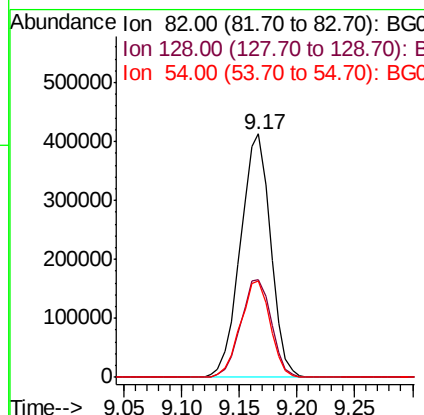
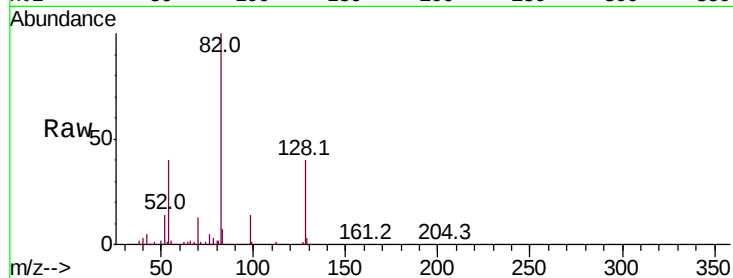




#23
Nitrobenzene-d5
Concen: 100.052 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

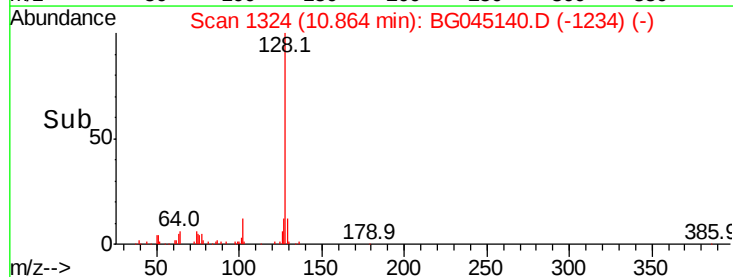
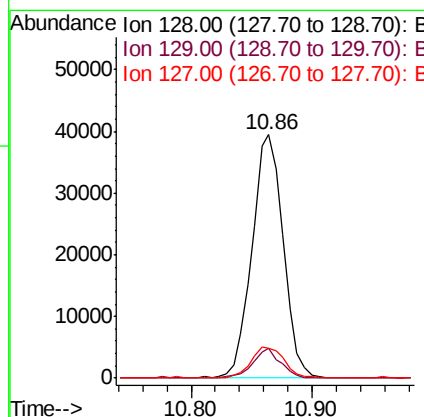
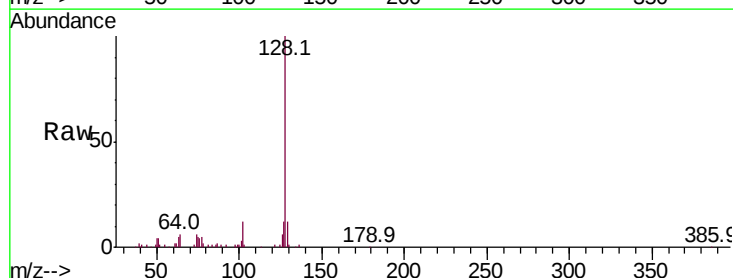
Instrument :
BNA_G
ClientSampleId :
WB-4-2

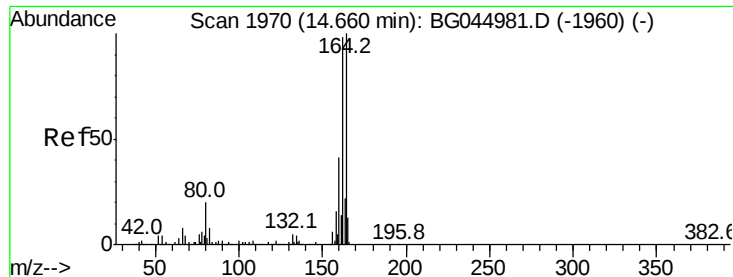
Tot Ion: 82 Resp: 749413
Ion Ratio Lower Upper
82 100
128 39.9 33.0 49.4
54 39.8 30.4 45.6



#31
Naphthalene
Concen: 3.806 ng
RT: 10.86 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion: 128 Resp: 71156
Ion Ratio Lower Upper
128 100
129 12.1 9.4 14.2
127 12.5 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

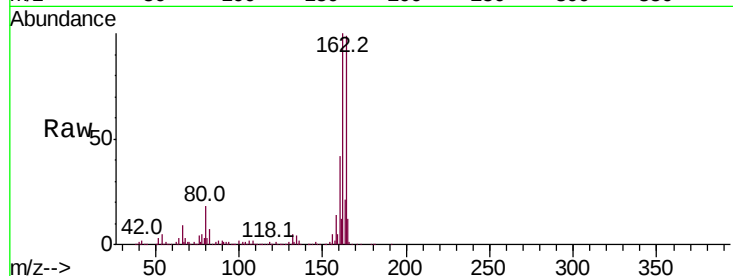
Tot Ion:164 Resp: 246283

Ion Ratio Lower Upper

164 100

162 100.6 78.7 118.1

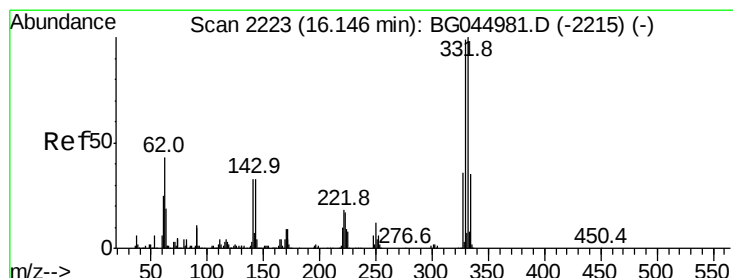
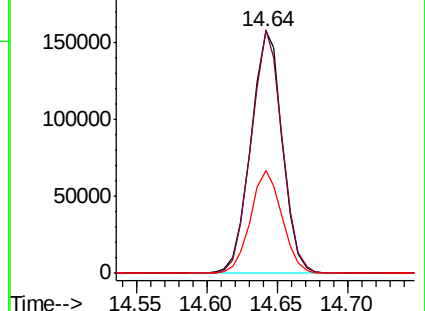
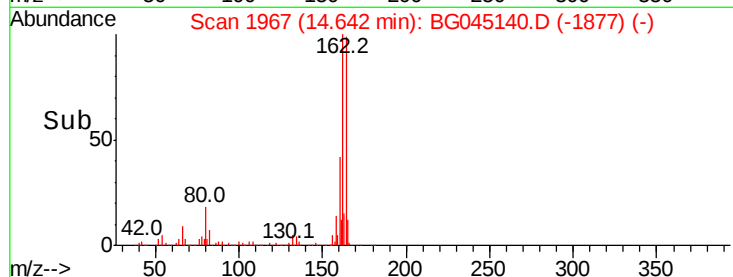
160 42.5 32.8 49.2



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: 141.069 ng

RT: 16.13 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

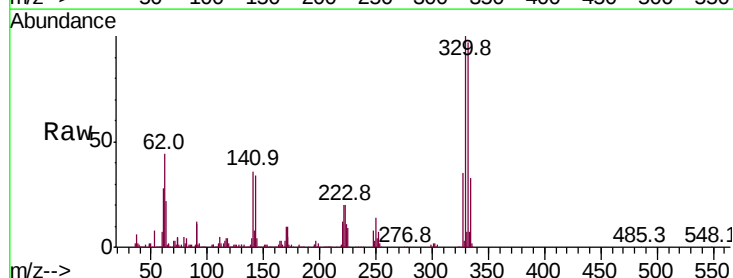
Tgt Ion:330 Resp: 536733

Ion Ratio Lower Upper

330 100

332 96.7 79.1 118.7

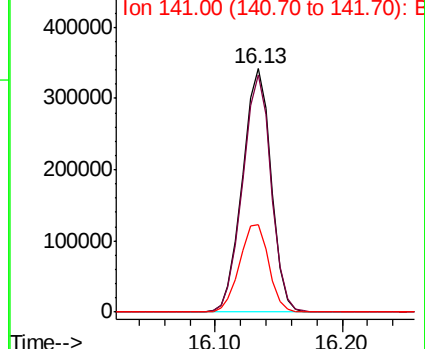
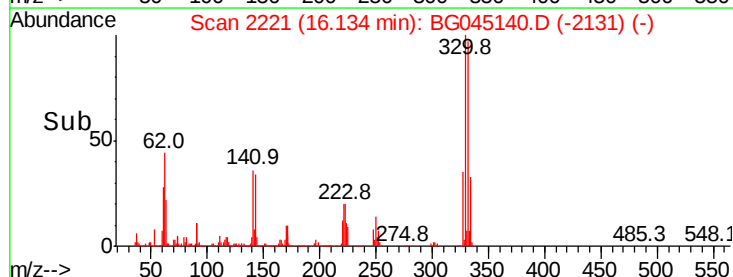
141 36.5 27.1 40.7

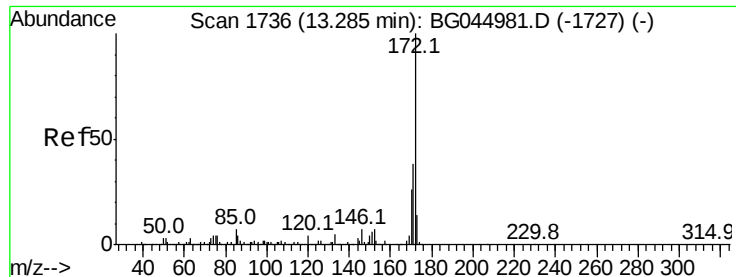


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

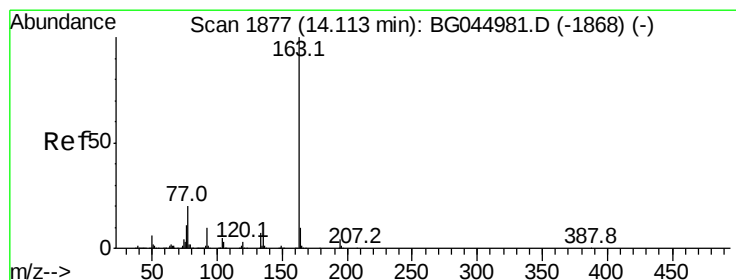
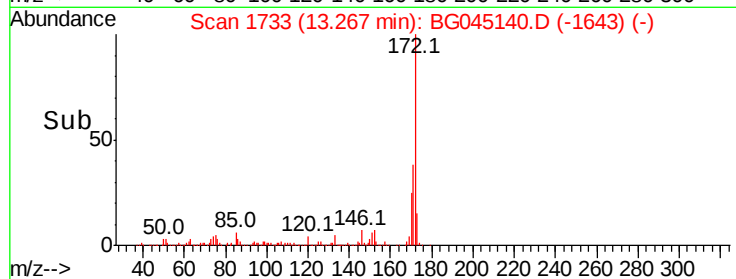
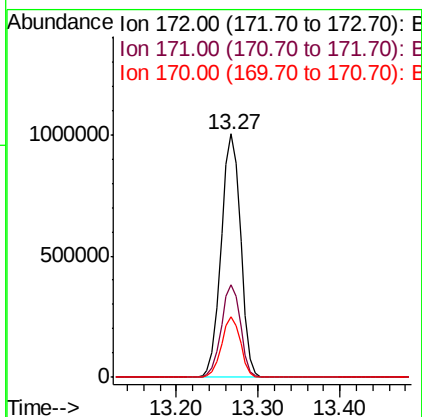
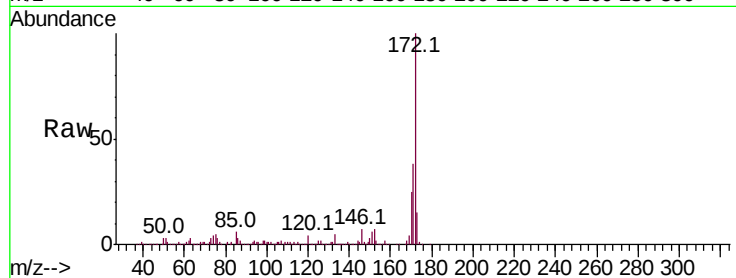




#45
2-Fluorobiphenyl
Concen: 98.522 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

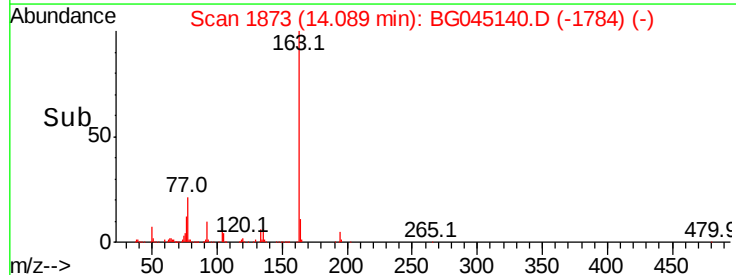
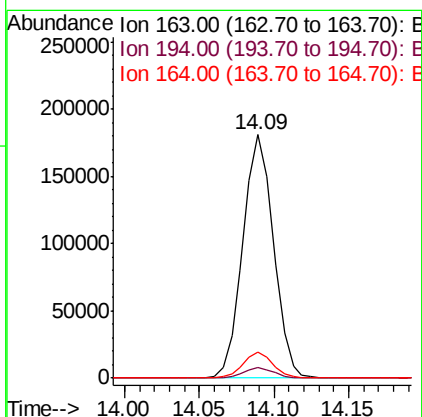
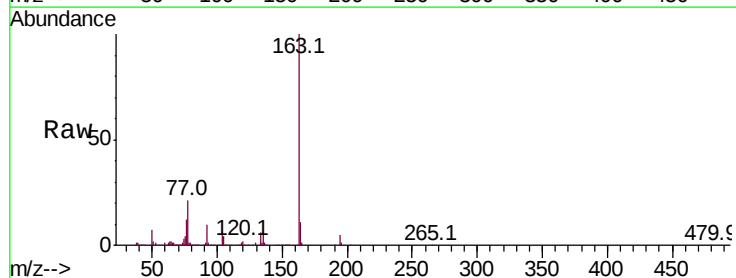
Instrument :
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ClientSampleId :
WB-4-2

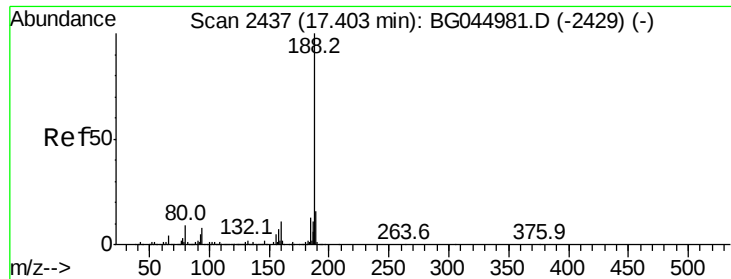
Tot Ion:172 Resp: 1654773
Ion Ratio Lower Upper
172 100
171 38.3 30.6 46.0
170 24.9 20.5 30.7



#50
Dimethylphthalate
Concen: 12.855 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion:163 Resp: 257788
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.5 8.2 12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

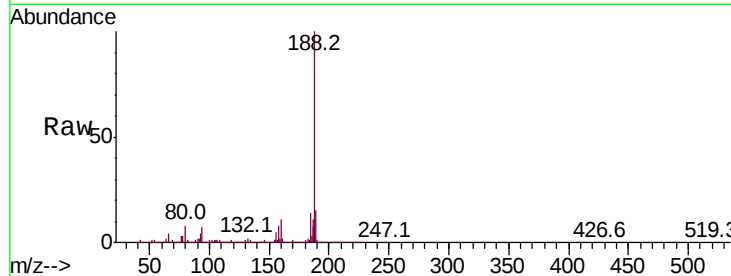
Tot Ion:188 Resp: 536275

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

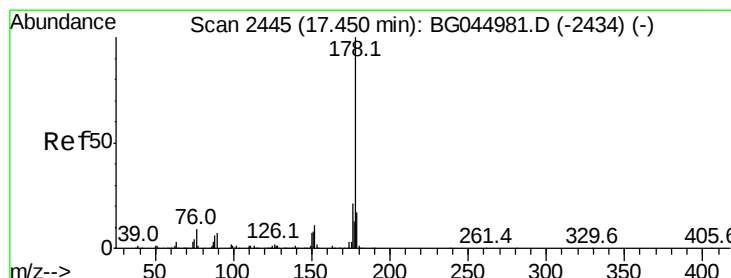
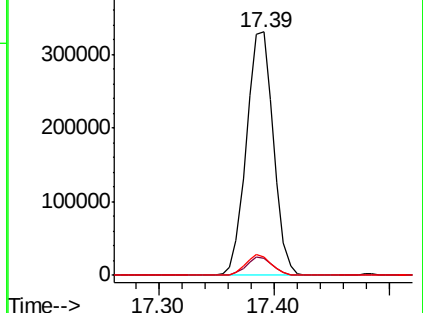
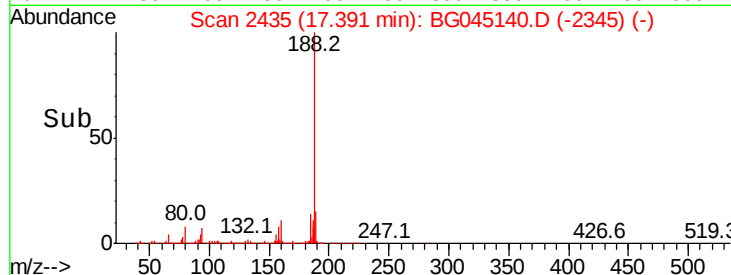
80 7.6 7.0 10.6



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: 3.061 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

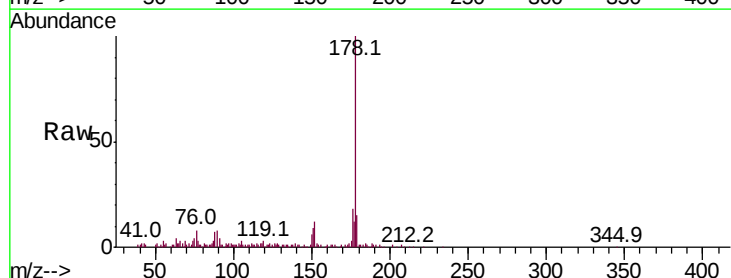
Tgt Ion:178 Resp: 84358

Ion Ratio Lower Upper

178 100

176 18.4 16.8 25.2

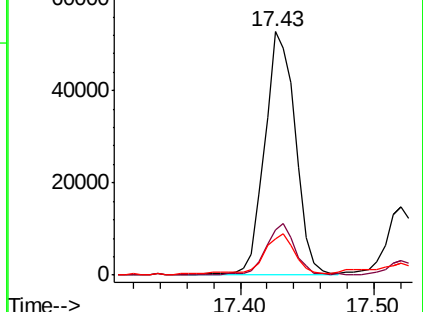
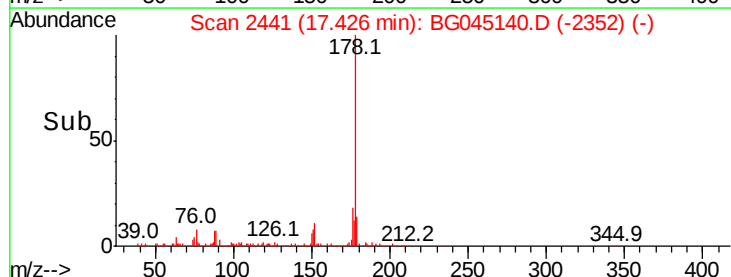
179 15.1 13.2 19.8

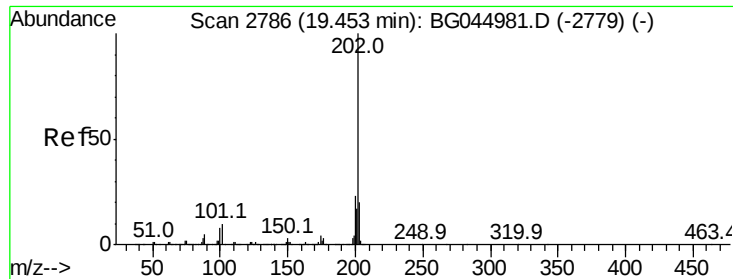


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.979 ng

RT: 19.44 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

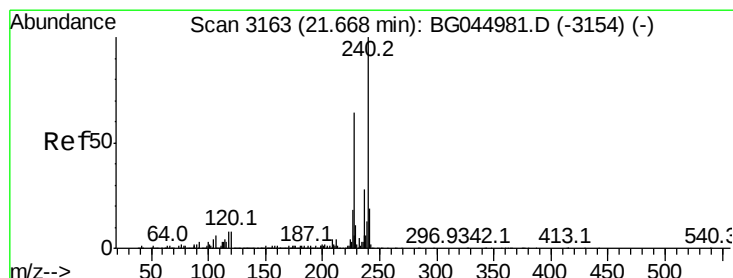
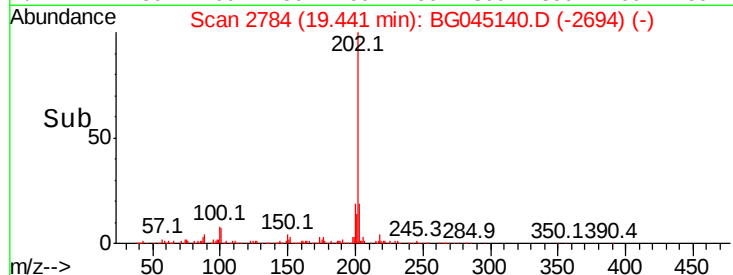
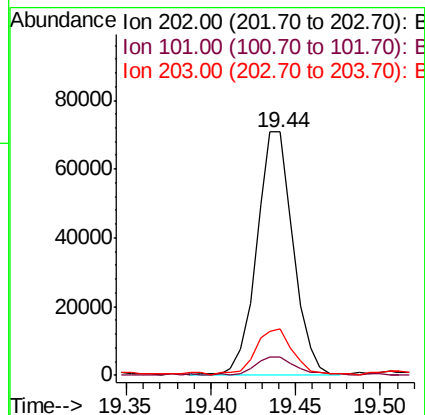
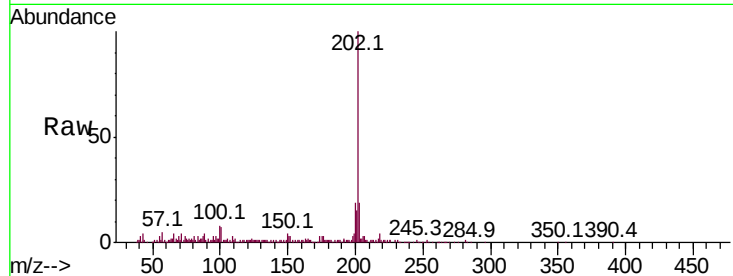
Instrument :

BNA_G

ClientSampleId :

WB-4-2

Tot Ion:	202	Resp:	104210
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	29.6
203	18.9	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

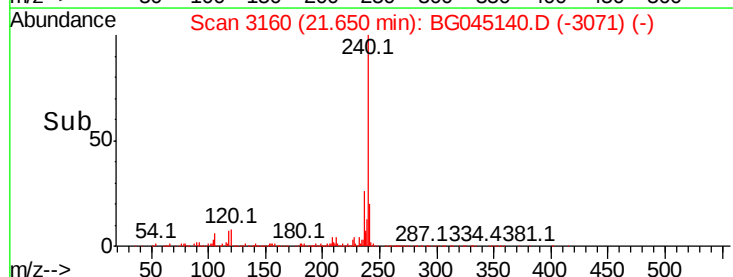
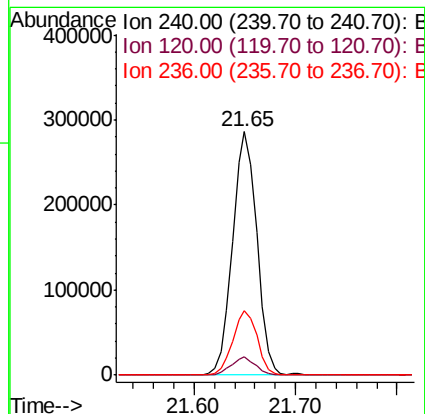
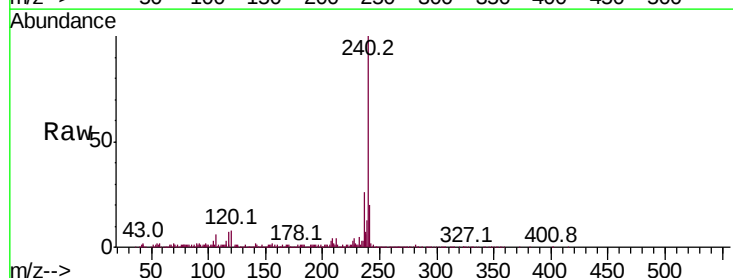
RT: 21.65 min Scan# 3160

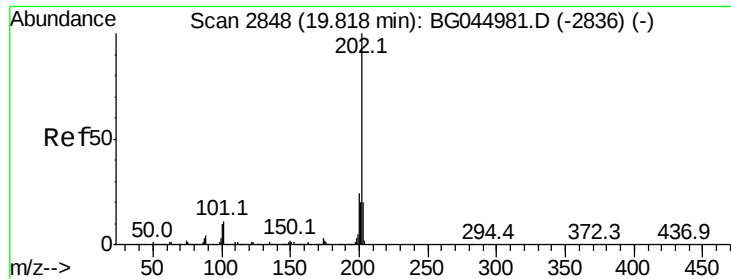
Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Tgt Ion:	240	Resp:	475583
Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	26.4	22.2	33.2

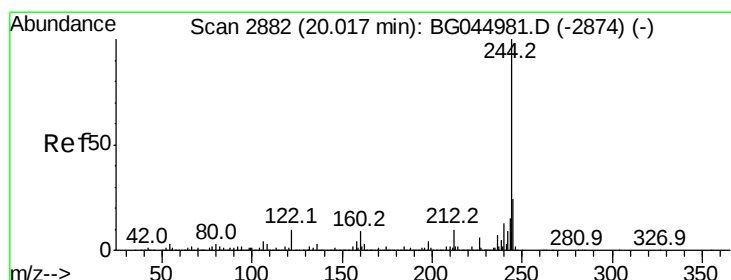
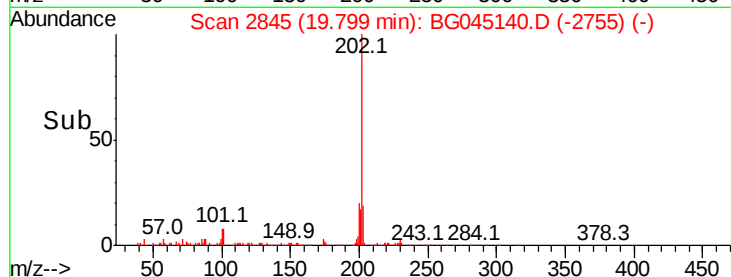
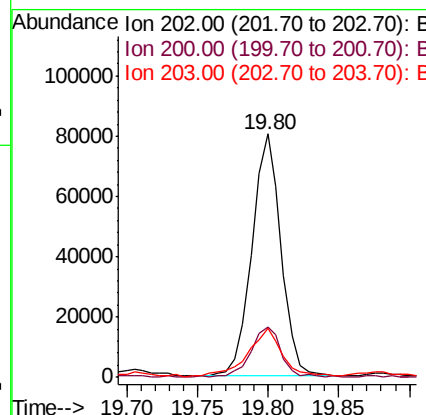
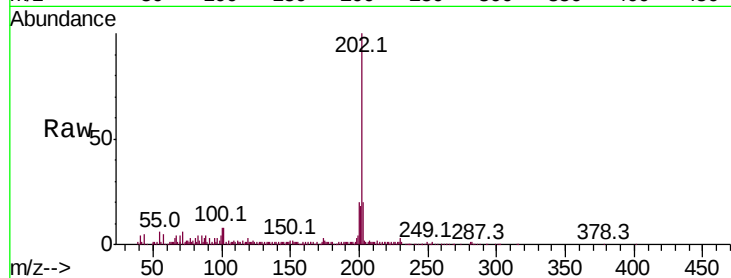




#78
Pvrene
Concen: 3.555 ng
RT: 19.80 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

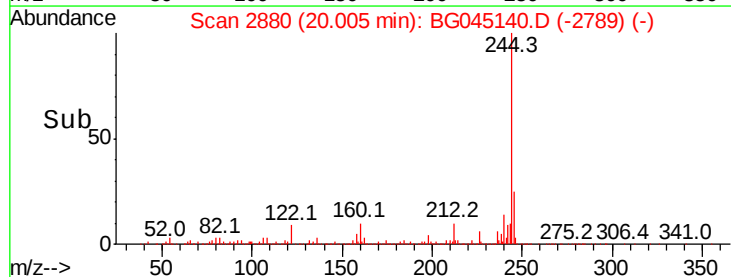
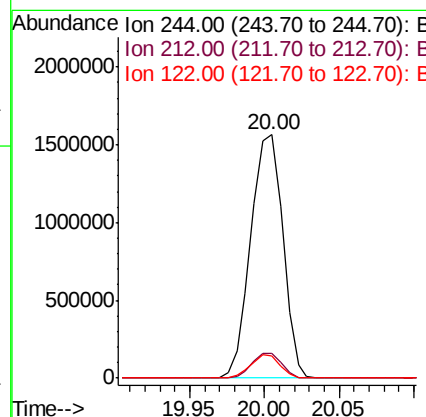
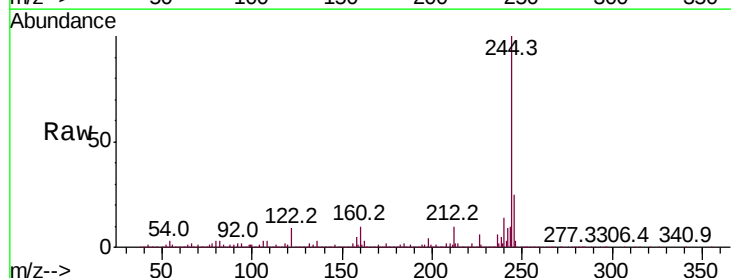
Instrument :
BNA_G
ClientSampled :
WB-4-2

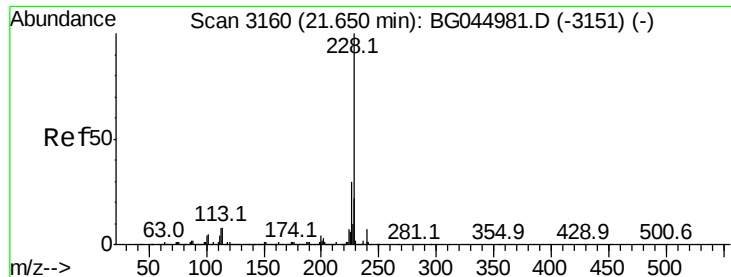
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	19.0	28.6
203	20.3	16.1	24.1



#79
Terphenyl-d14
Concen: 106.651 ng
RT: 20.00 min Scan# 2880
Delta R.T. 0.00 min
Lab File: BG045140.D
Acq: 23 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.9	11.9
122	9.1	7.7	11.5





#81

Benzo(a)anthracene

Concen: 2.351 ng

RT: 21.63 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

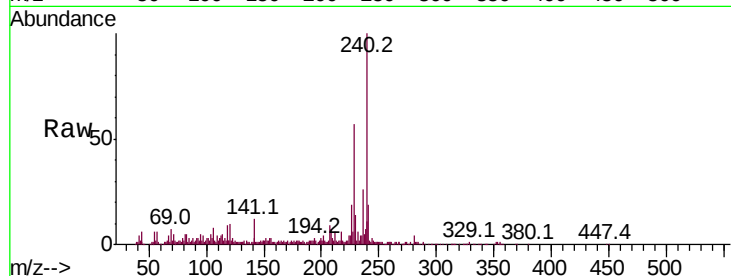
BNA_G

ClientSampleId :

WB-4-2

Tot Ion:228 Resp: 72471

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.0	36.0
229	24.1	17.5	26.3

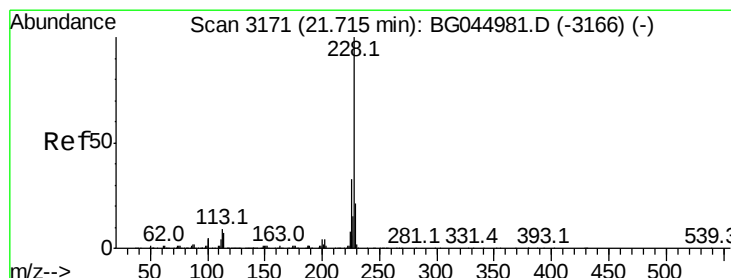
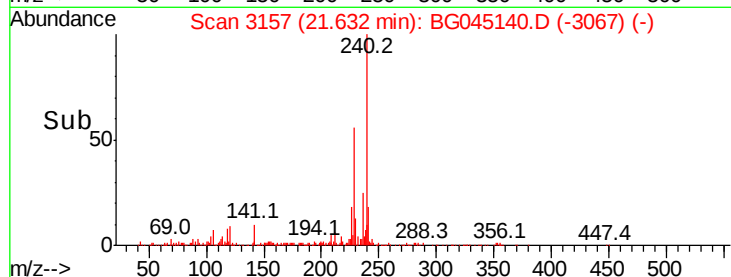
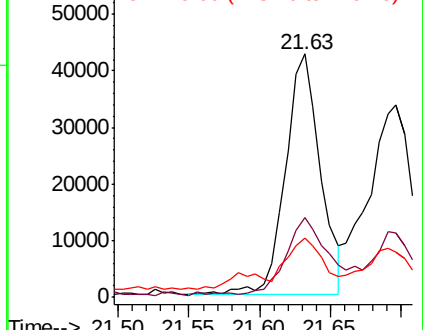


Abundance

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: 2.343 ng

RT: 21.70 min Scan# 3168

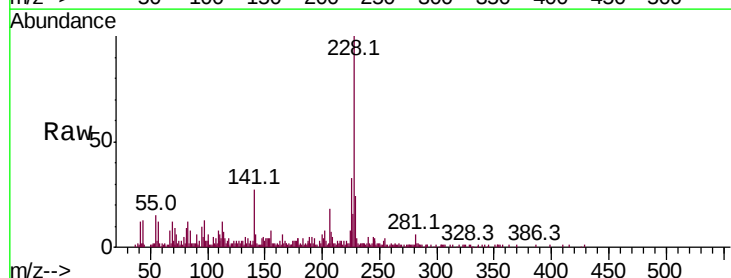
Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Tgt Ion:228 Resp: 69403

Ion	Ratio	Lower	Upper
228	100		
226	33.3	26.2	39.4
229	23.7	17.0	25.6

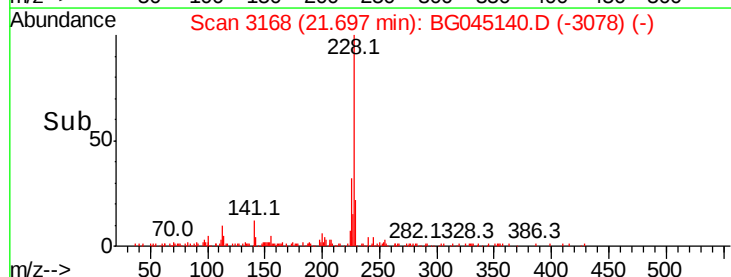
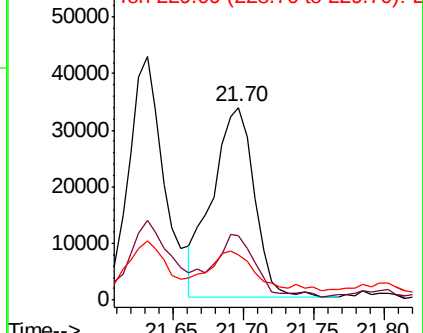


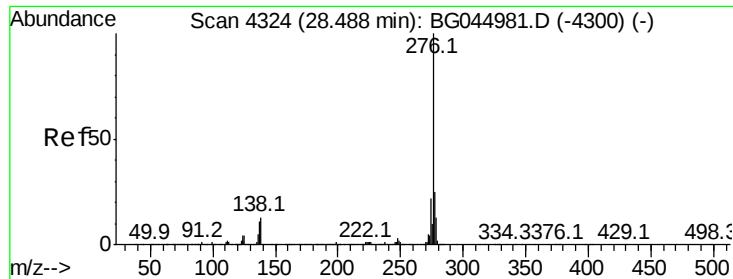
Abundance

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





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.636 ng

RT: 28.43 min Scan# 4314

Delta R.T. -0.02 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

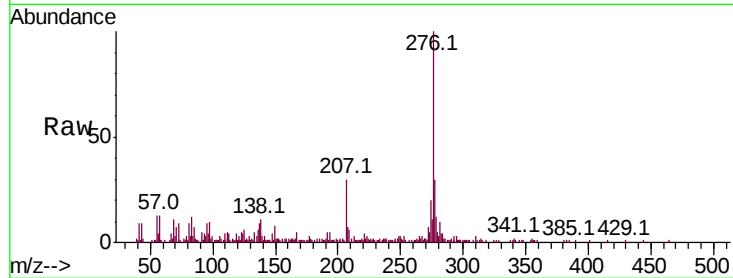
Tot Ion:276 Resp: 103642

Ion Ratio Lower Upper

276 100

138 7.9 9.6 14.4#

277 24.6 20.6 31.0

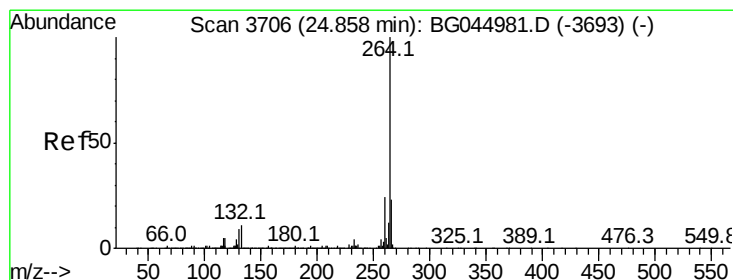
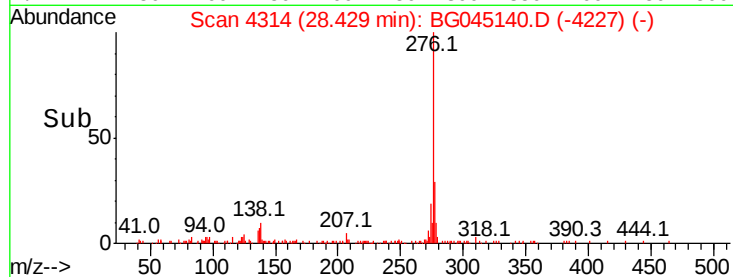
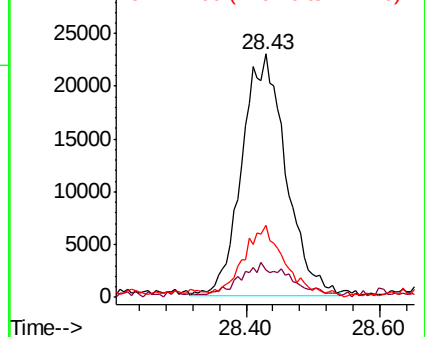


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

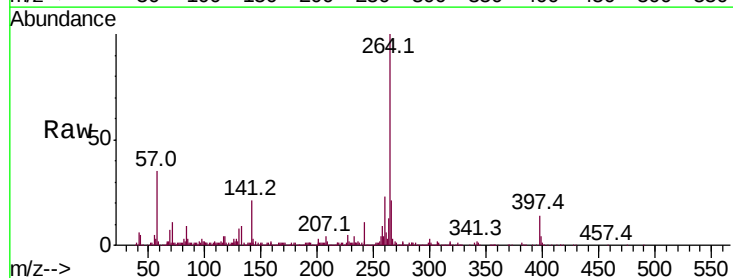
Tgt Ion:264 Resp: 512127

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.4 19.0 28.4

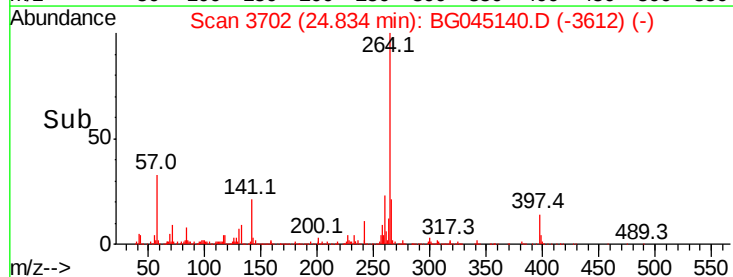
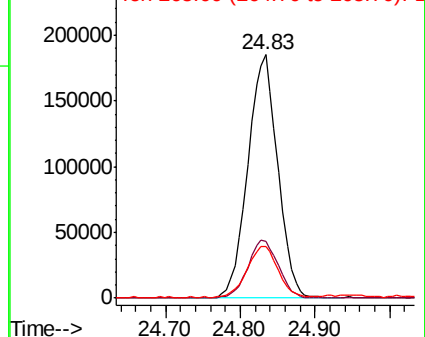


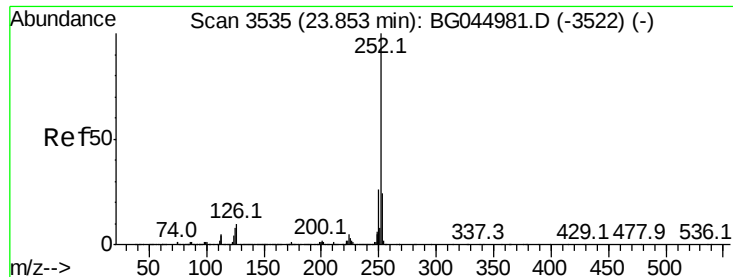
Abundance

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: 3.838 ng

RT: 23.82 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

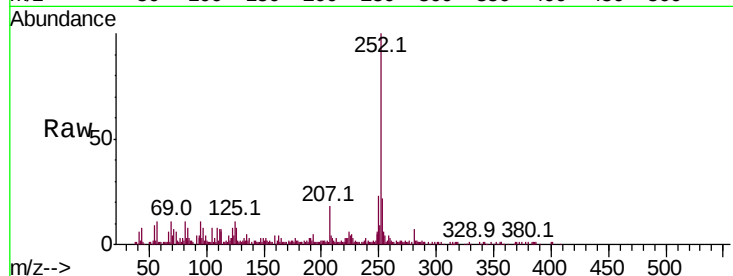
Tot Ion:252 Resp: 123120

Ion Ratio Lower Upper

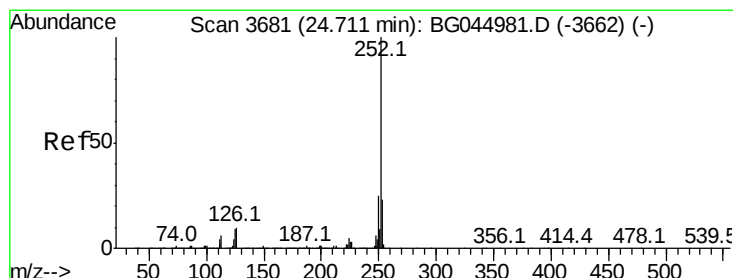
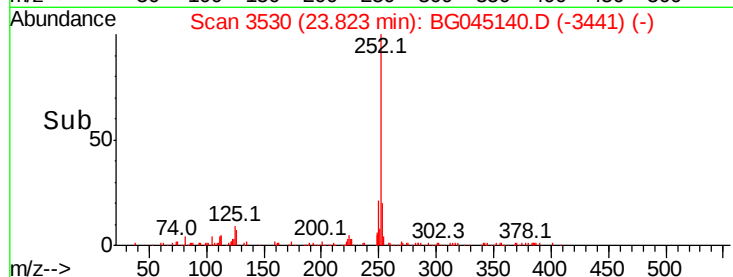
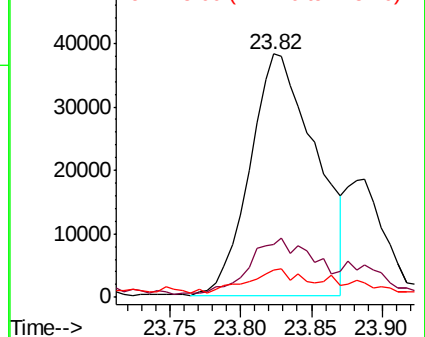
252 100

253 22.0 18.8 28.2

125 11.1 6.2 9.4#



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: 3.444 ng

RT: 24.68 min Scan# 3675

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

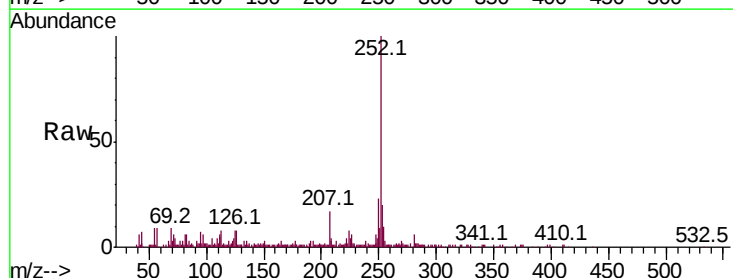
Tgt Ion:252 Resp: 104306

Ion Ratio Lower Upper

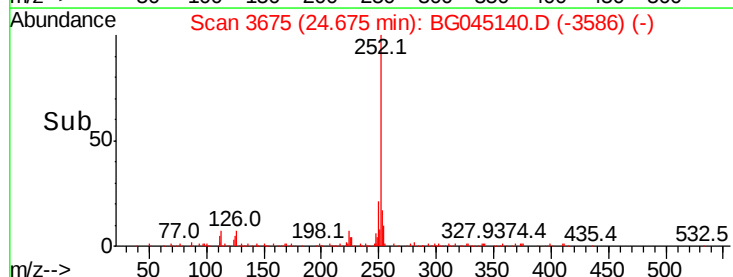
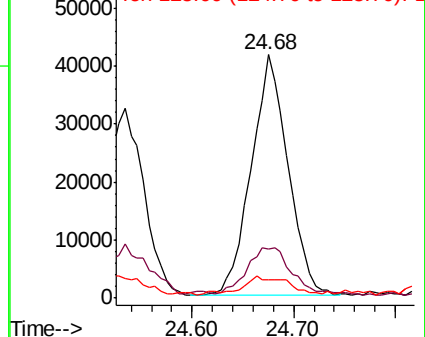
252 100

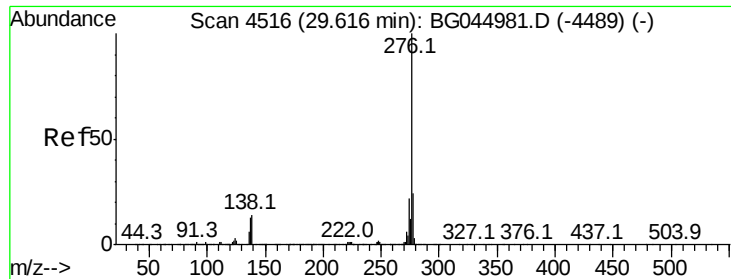
253 20.4 18.3 27.5

125 7.6 7.0 10.6



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





#92

Benzo(a,h,i)perylene

Concen: 3.860 ng

RT: 29.56 min Scan# 4506

Delta R.T. -0.01 min

Lab File: BG045140.D

Acq: 23 Apr 2020 13:53

Instrument :

BNA_G

ClientSampleId :

WB-4-2

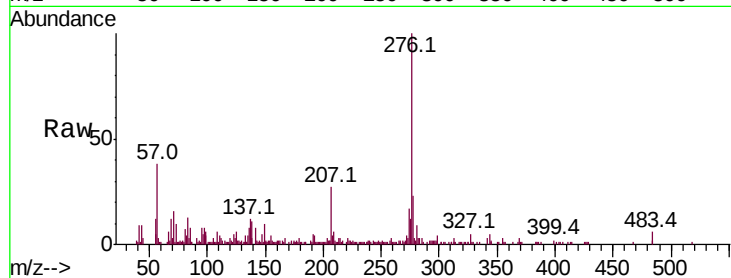
Tot Ion:276 Resp: 118122

Ion Ratio Lower Upper

276 100

277 22.9 19.3 28.9

138 10.9 11.4 17.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

