

Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL

Quant Time: Aug 05 01:23:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 01:19:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	83130	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	329074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	216382	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	426392	20.00	ng/ul	0.00
77) Chrysene-d12	21.75	240	430883	20.00	ng/ul	0.02
85) Perylene-d12	25.03	264	467662	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	403	0.21	ng/uL	0.00
5) Phenol-d5	7.19	99	14939	2.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	7676	2.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	12973	2.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	11405	2.08	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	6255	2.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	7041	2.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	14118	2.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	20325	3.15	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	43533	2.59	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	55305	2.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	5223	1.85	ng/ul	0.03
57) Fluorene-d10	15.69	176	39572	2.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	1209	0.44	ng/ul	0.02
70) Anthracene-d10	17.55	188	60151	2.94	ng/ul	0.00
78) Pyrene-d10	19.84	212	69267	2.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	63694	2.61	ng/ul	0.03

Target Compounds

					Qvalue
28) Naphthalene	10.91	128	327513	19.468	ng/ul 99
34) 2-Methylnaphthalene	12.52	142	312548	23.374	ng/ul 99
40) 1,1'-Biphenyl	13.53	154	49784	3.164	ng/ul 98
48) 3-Nitroaniline	14.10	138	3274	1.133	ng/ul 98
49) Acenaphthene	14.76	153	439292	32.470	ng/ul 98
53) Dibenzofuran	15.09	168	73279	3.629	ng/ul 90
58) Fluorene	15.75	166	353165	21.715	ng/ul 98
60) 4-Nitroaniline	15.75	138	4932	1.532	ng/ul# 22
64) N-Nitrosodiphenylamine	15.96	169	25409	2.009	ng/ul# 16
69) Phenanthrene	17.59	178	1065228	45.634	ng/ul 97
71) Anthracene	17.59	178	1065228	44.993	ng/ul 98
74) Carbazole	17.85	167	74770	3.813	ng/ul# 91
76) Fluoranthene	19.51	202	2473762	91.720	ng/ul# 95
79) Pyrene	19.51	202	2473762	85.350	ng/ul 99
82) Benzo(a)anthracene	21.73	228	2411555	80.721	ng/ul# 87
83) Bis(2-ethylhexyl)phthalate	21.63	149	101326	6.510	ng/ul 97
84) Chrysene	21.80	228	2375196	85.182	ng/ul# 87
87) Benzo(b)fluoranthene	24.00	252	1793167	61.100	ng/ul 97
88) Benzo(k)fluoranthene	24.00	252	1793167	63.547	ng/ul 96
90) Benzo(a)pyrene	24.88	252	1782271	63.729	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	28.79	276	534185	16.376	ng/ul 94
92) Dibenzo(a,h)anthracene	28.83	278	108202	4.067	ng/ul# 89
93) Benzo(g,h,i)perylene	29.95	276	509621	18.713	ng/ul 98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Quantitation Report (Not Reviewed)

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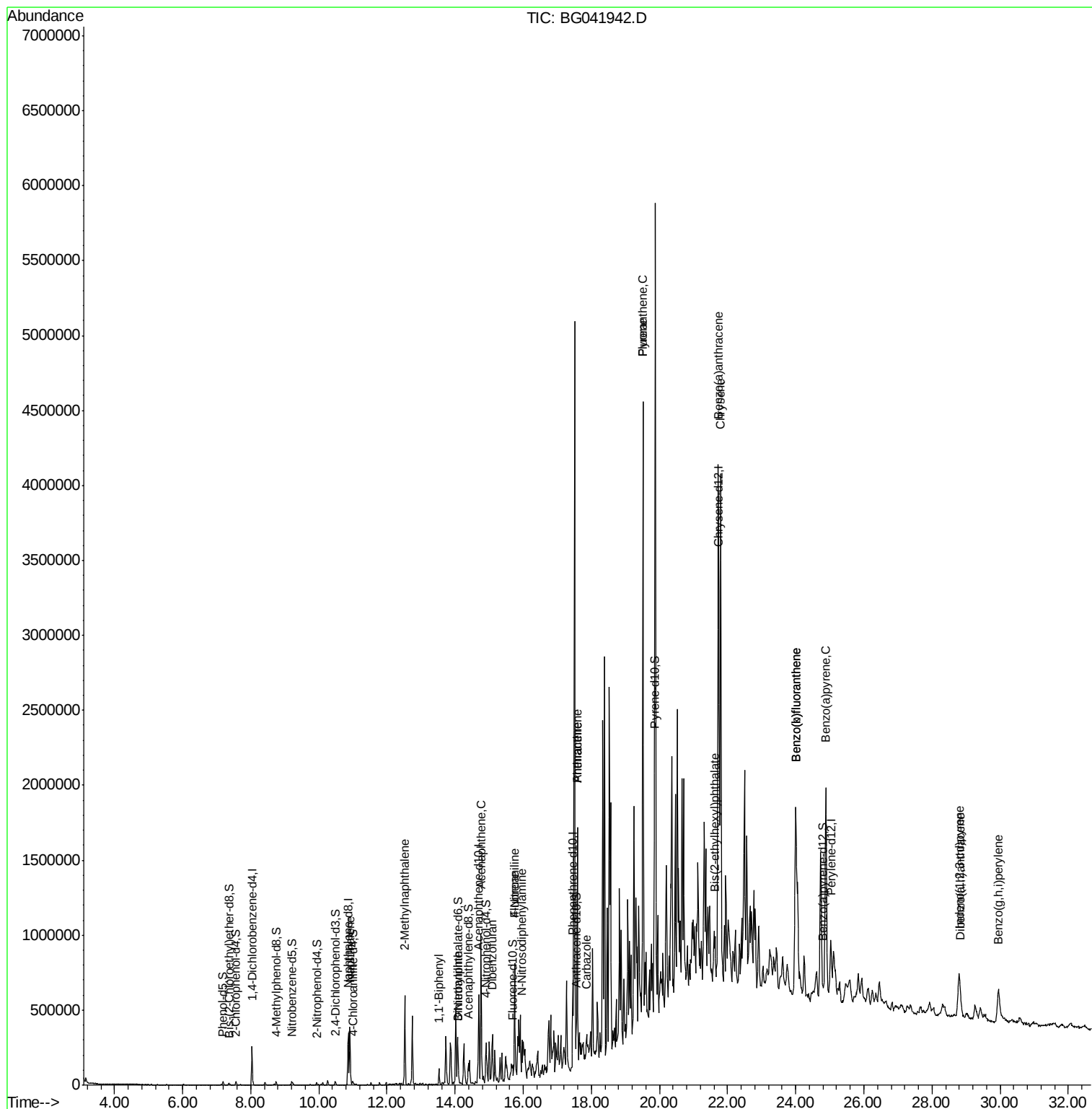
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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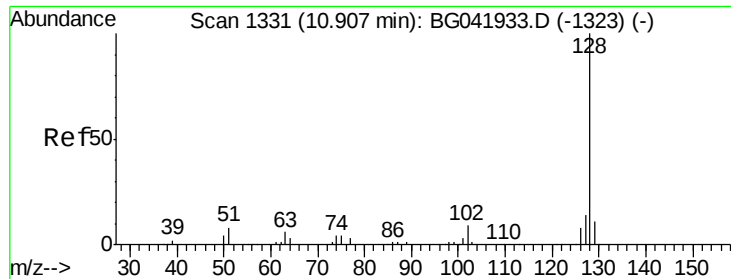
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 19.468 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

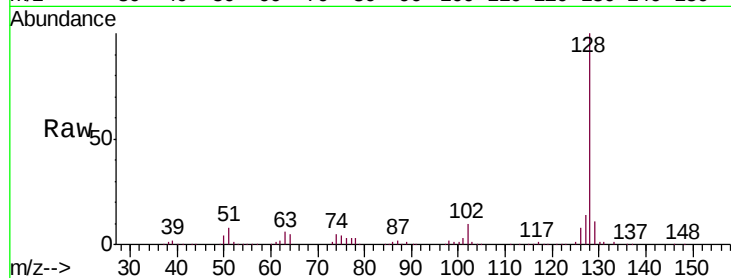
Tgt Ion:128 Resp: 327513

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

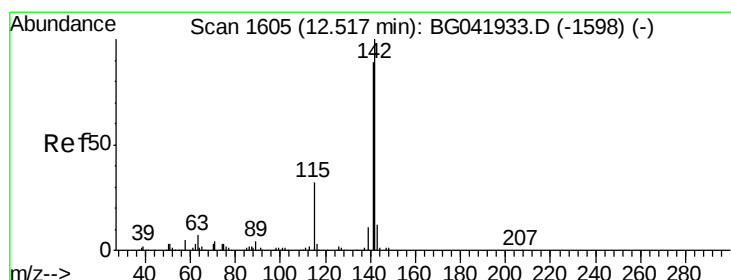
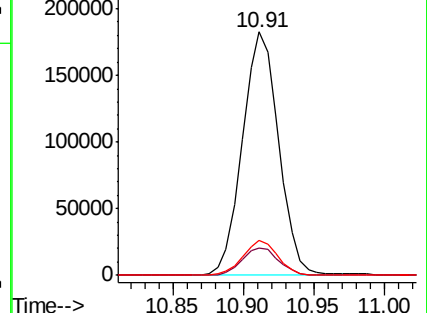
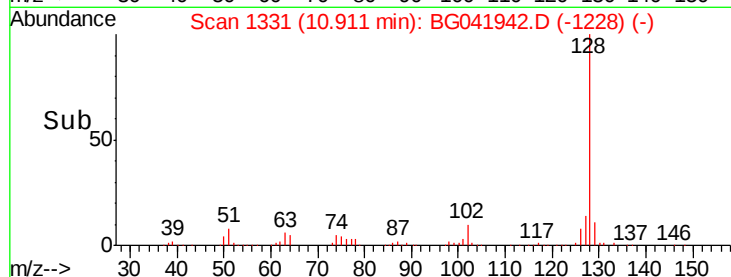
127 14.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 23.374 ng/ul

RT: 12.52 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BG041942.D

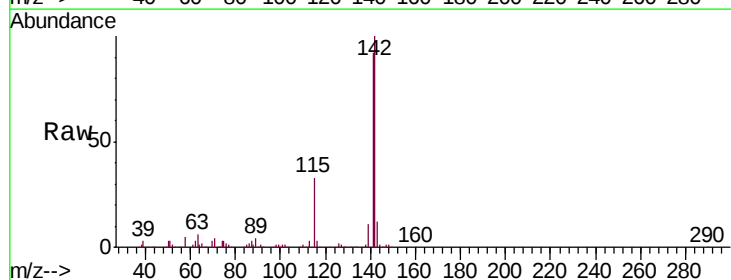
Acq: 4 Aug 2019 14:24

Tgt Ion:142 Resp: 312548

Ion Ratio Lower Upper

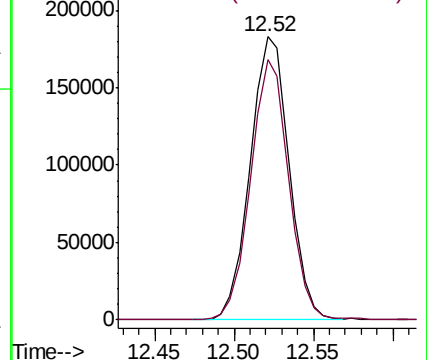
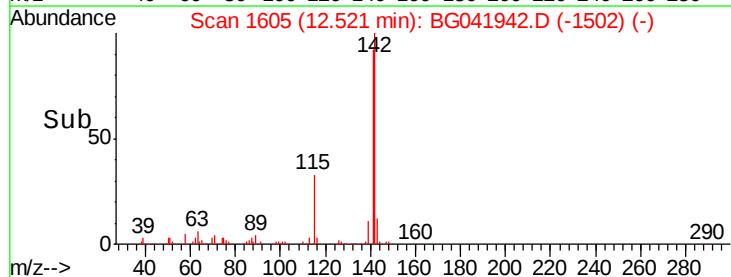
142 100

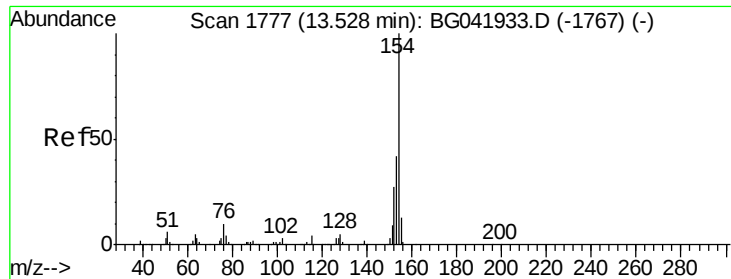
141 92.2 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

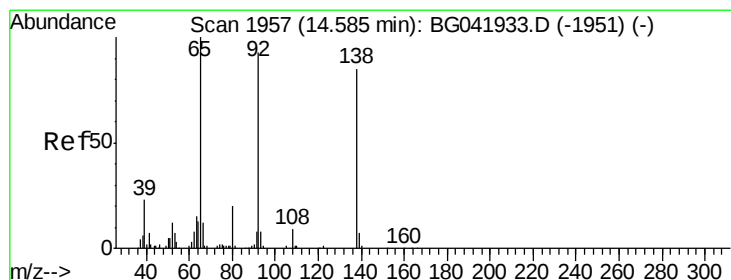
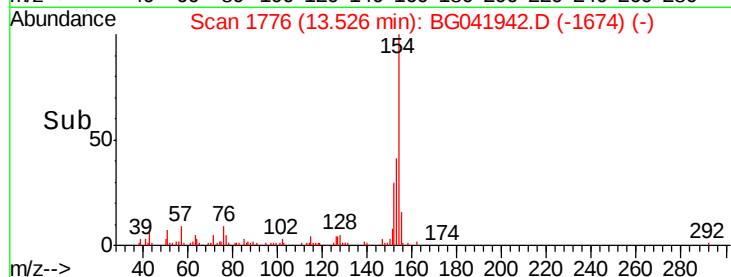
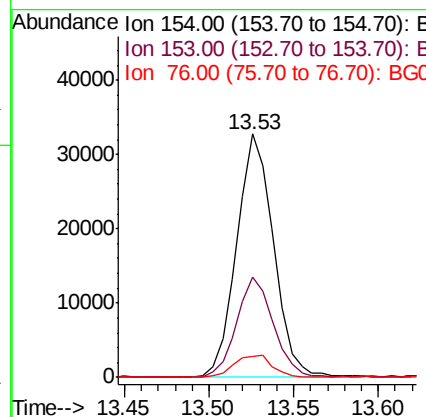
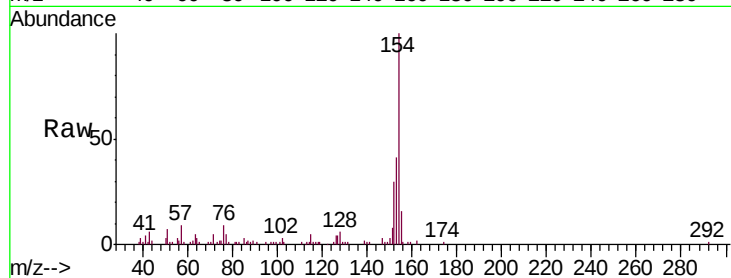




#40
 1,1'-Biphenyl
 Concen: 3.164 ng/ul
 RT: 13.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041942.D
 Acq: 4 Aug 2019 14:24

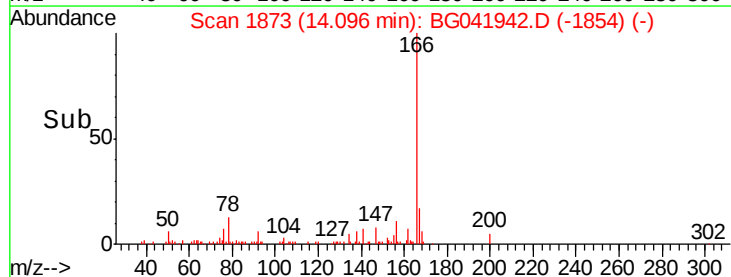
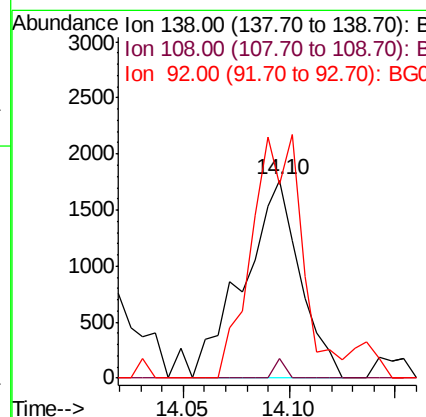
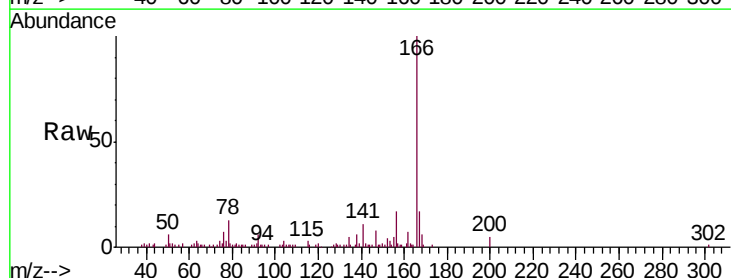
Instrument :
 BNA_G
 ClientSampleId :
 BENP1DL

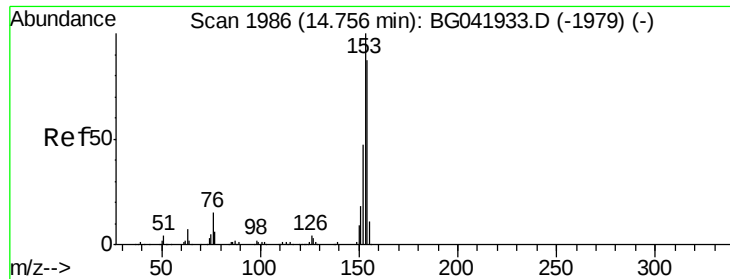
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.6	48.8
76	8.7	8.6	13.0



#48
 3-Nitroaniline
 Concen: 1.133 ng/ul
 RT: 14.10 min Scan# 1873
 Delta R.T. -0.49 min
 Lab File: BG041942.D
 Acq: 4 Aug 2019 14:24

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.6	11.4
92	97.7	76.4	114.6





#49

Acenaphthene

Concen: 32.470 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

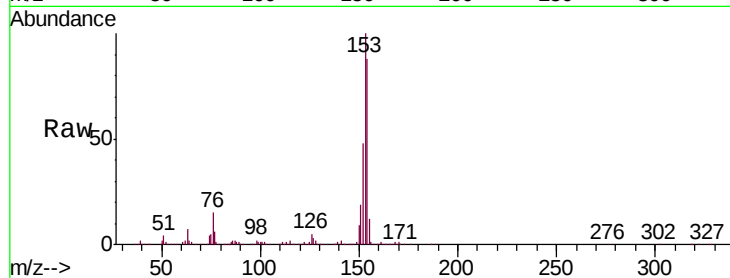
Tgt Ion:153 Resp: 439292

Ion Ratio Lower Upper

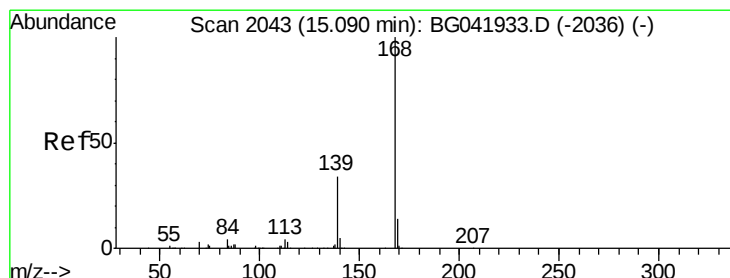
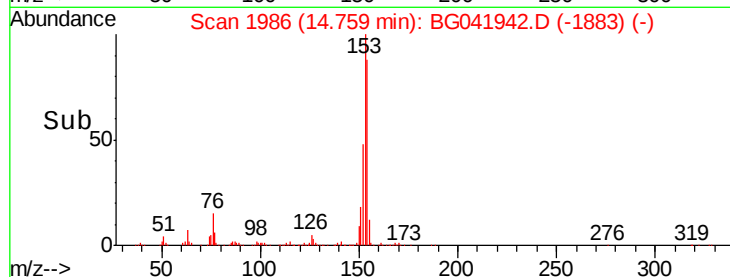
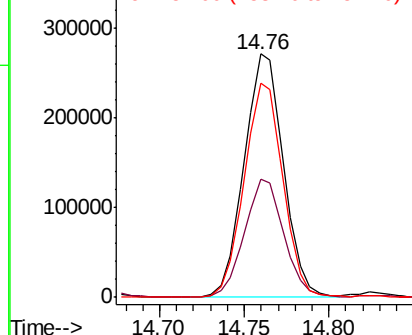
153 100

152 48.3 37.8 56.8

154 88.2 69.4 104.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.629 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BG041942.D

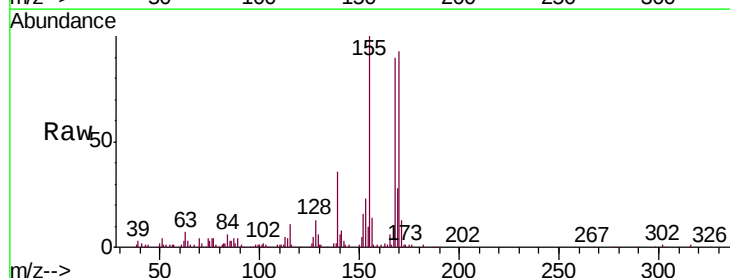
Acq: 4 Aug 2019 14:24

Tgt Ion:168 Resp: 73279

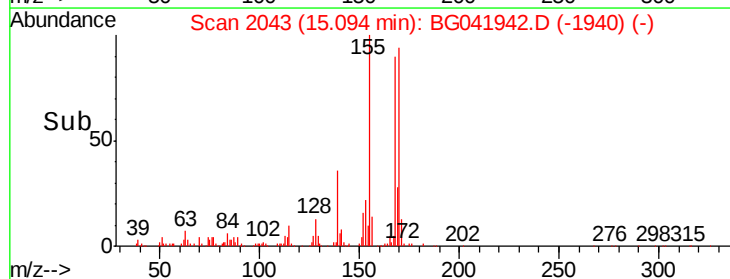
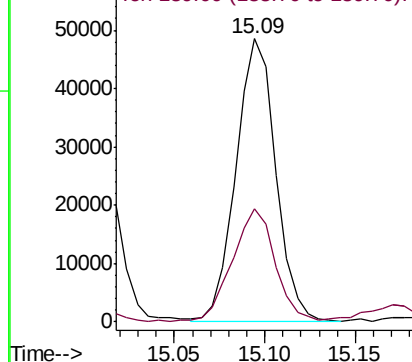
Ion Ratio Lower Upper

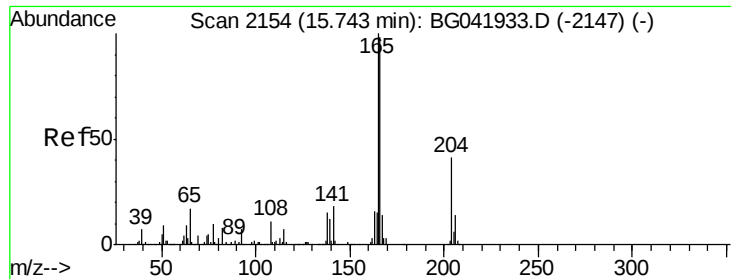
168 100

139 40.0 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 21.715 ng/ul

RT: 15.75 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

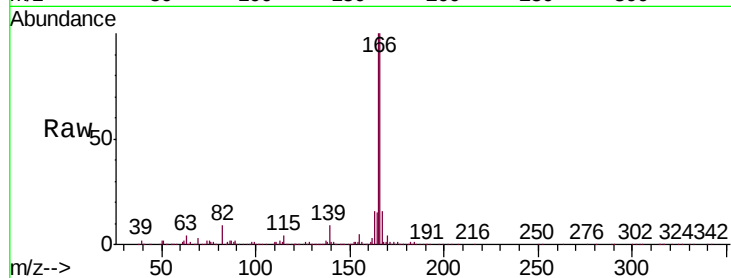
Tgt Ion:166 Resp: 353165

Ion Ratio Lower Upper

166 100

165 100.1 81.1 121.7

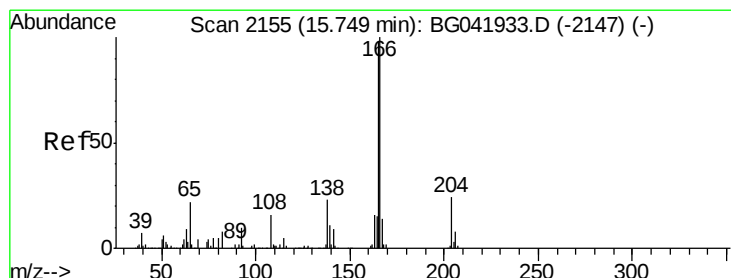
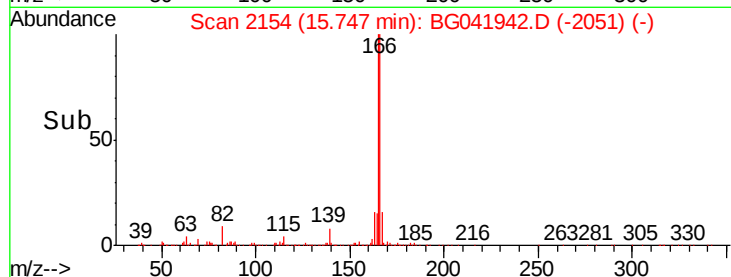
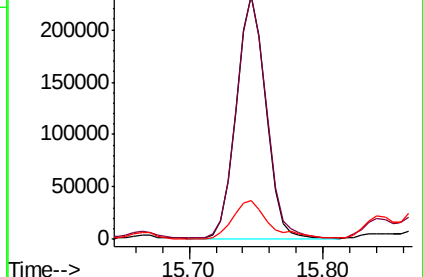
167 16.1 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 1.532 ng/ul

RT: 15.75 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

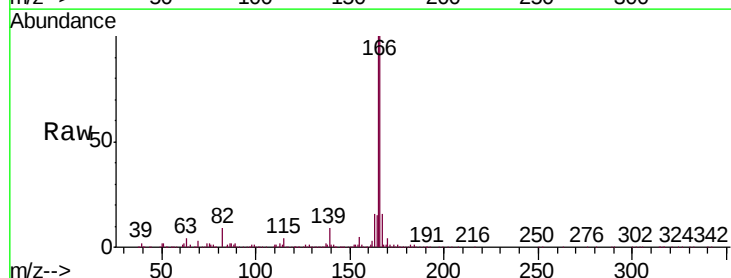
Tgt Ion:138 Resp: 4932

Ion Ratio Lower Upper

138 100

92 0.0 34.6 51.8#

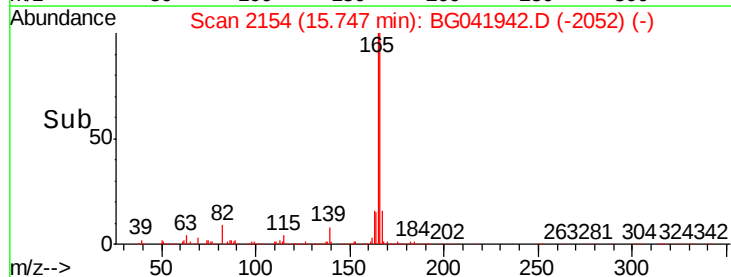
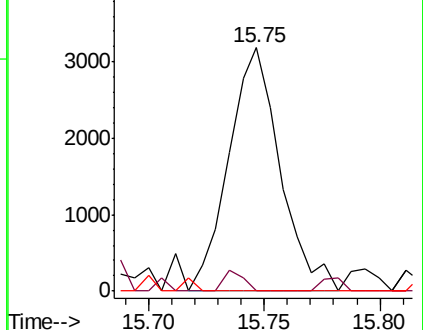
108 0.0 54.2 81.2#

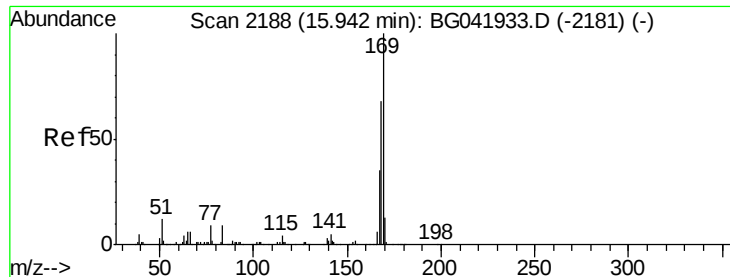


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.009 ng/ul

RT: 15.96 min Scan# 2190

Delta R.T. 0.02 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

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ClientSampleId :

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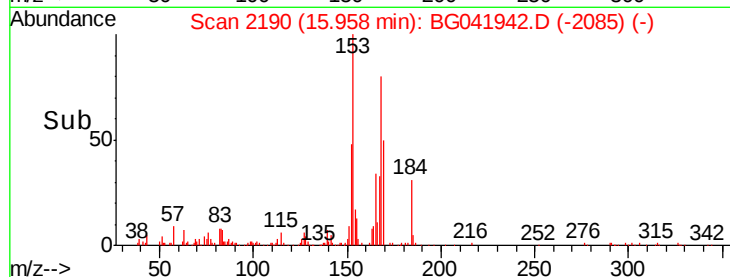
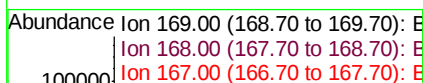
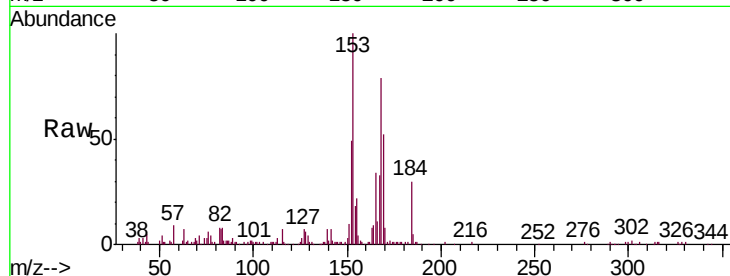
Tgt Ion:169 Resp: 25409

Ion Ratio Lower Upper

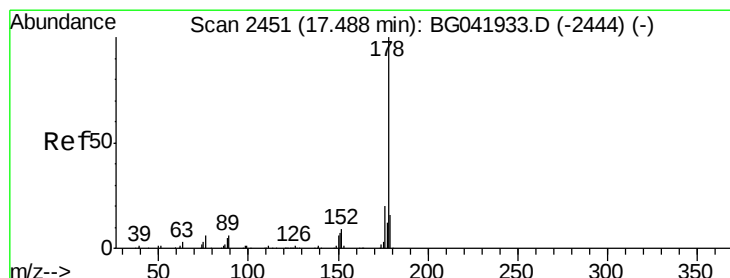
169 100

168 153.7 55.0 82.4#

167 64.3 29.5 44.3#



Time-->



#69

Phenanthrene

Concen: 45.634 ng/ul

RT: 17.59 min Scan# 2467

Delta R.T. 0.10 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

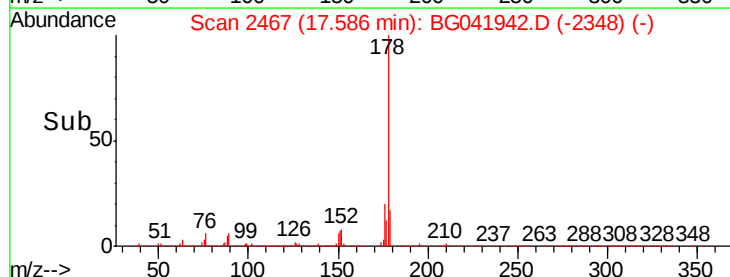
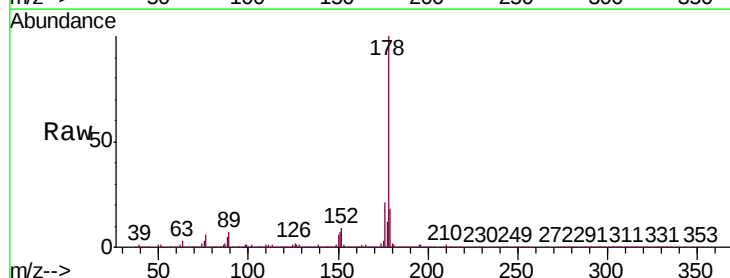
Tgt Ion:178 Resp: 1065228

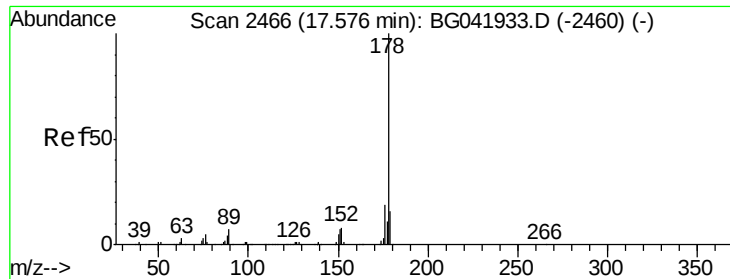
Ion Ratio Lower Upper

178 100

179 17.5 12.8 19.2

176 20.5 15.4 23.2

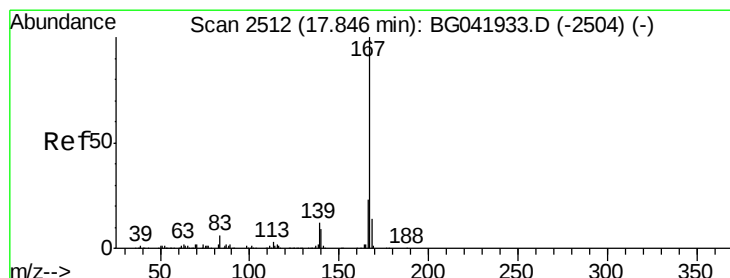
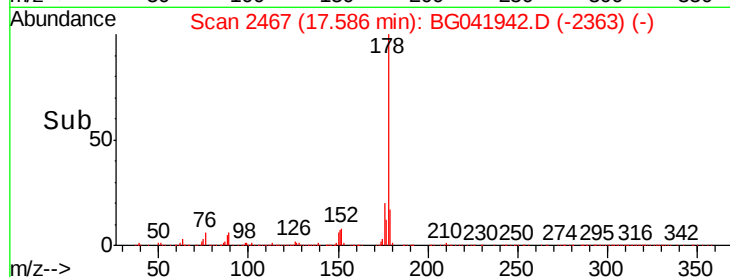
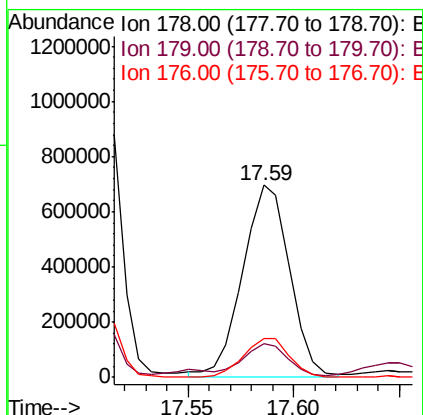
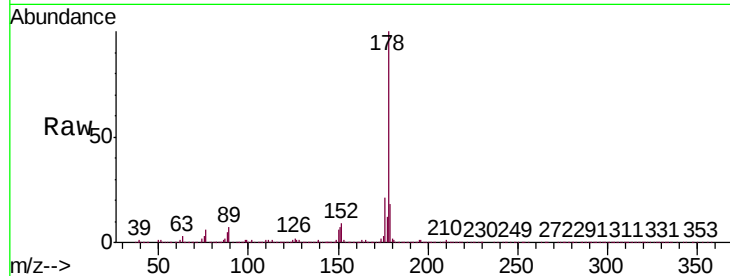




#71
 Anthracene
 Concen: 44.993 ng/ul
 RT: 17.59 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BG041942.D
 Acq: 4 Aug 2019 14:24

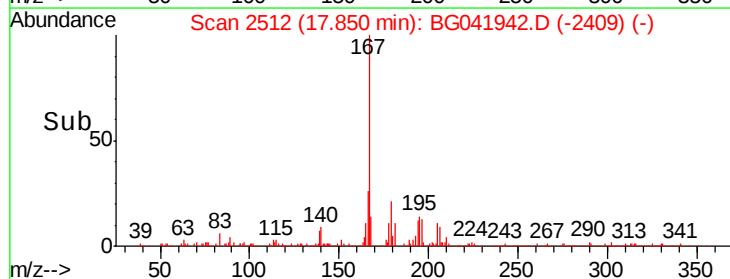
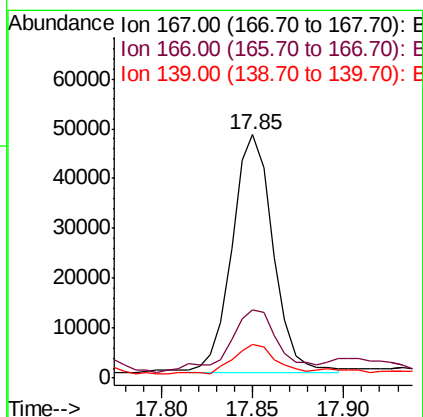
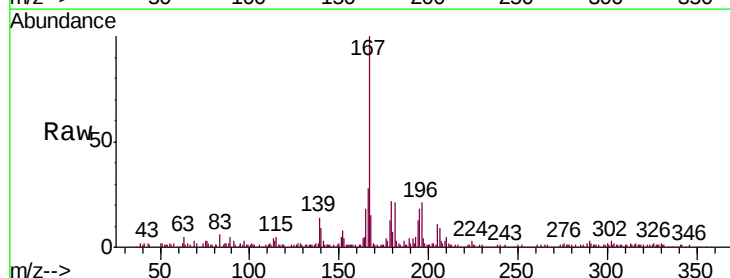
Instrument :
 BNA_G
 ClientSampleID :
 BENP1DL

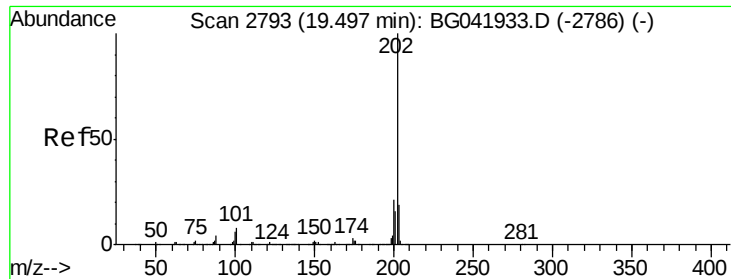
Tgt Ion:178 Resp: 1065228
 Ion Ratio Lower Upper
 178 100
 179 17.5 13.4 20.0
 176 20.5 15.4 23.2



#74
 Carbazole
 Concen: 3.813 ng/ul
 RT: 17.85 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BG041942.D
 Acq: 4 Aug 2019 14:24

Tgt Ion:167 Resp: 74770
 Ion Ratio Lower Upper
 167 100
 166 28.1 18.2 27.4#
 139 13.7 9.6 14.4

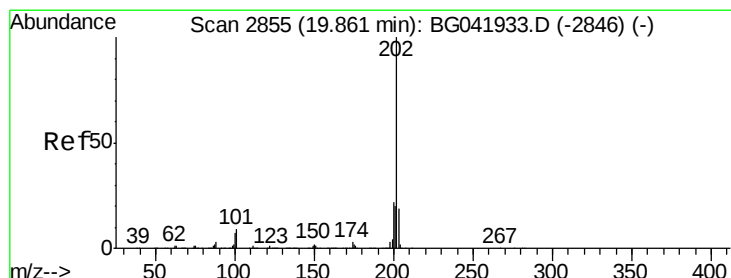
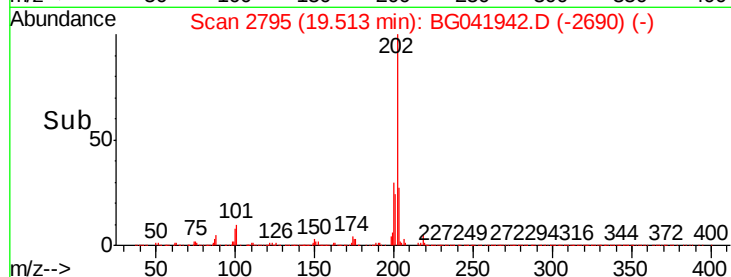
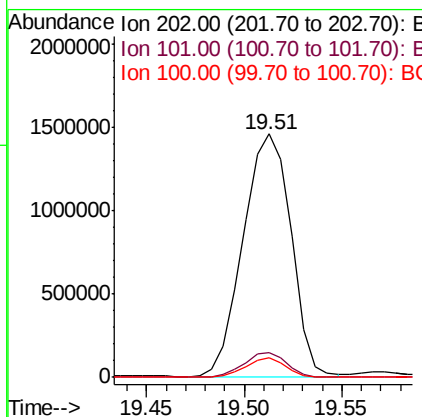
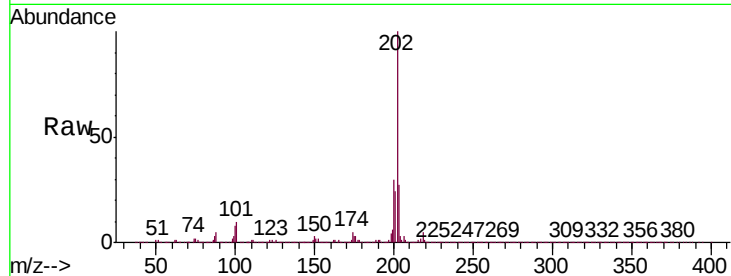




#76
Fluoranthene
Concen: 91.720 ng/ul
RT: 19.51 min Scan# 2795
Delta R.T. 0.02 min
Lab File: BG041942.D
Acq: 4 Aug 2019 14:24

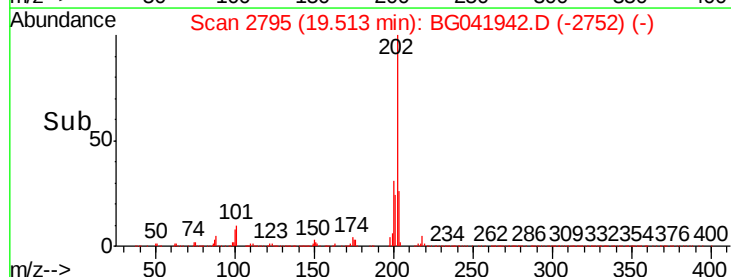
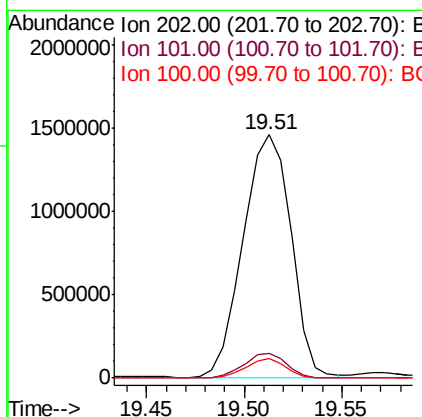
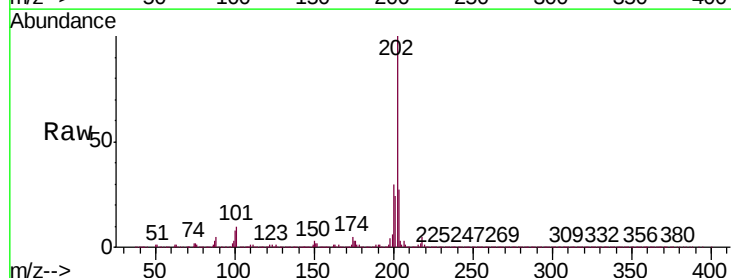
Instrument :
BNA_G
ClientSampleId :
BENP1DL

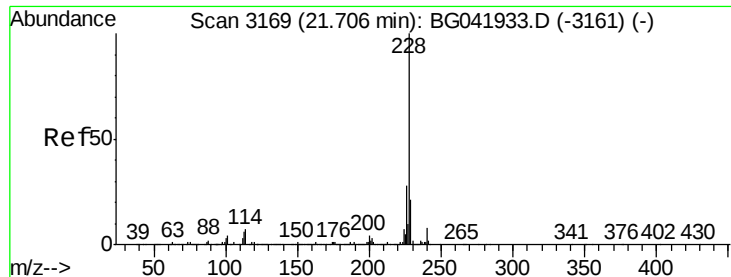
Tgt Ion:202 Resp: 2473762
Ion Ratio Lower Upper
202 100
101 10.4 6.7 10.1#
100 8.1 5.3 7.9#



#79
Pyrene
Concen: 85.350 ng/ul
RT: 19.51 min Scan# 2795
Delta R.T. -0.35 min
Lab File: BG041942.D
Acq: 4 Aug 2019 14:24

Tgt Ion:202 Resp: 2473762
Ion Ratio Lower Upper
202 100
101 10.4 7.6 11.4
100 8.1 6.5 9.7





#82

Benzo(a)anthracene

Concen: 80.721 ng/ul

RT: 21.73 min Scan# 3172

Delta R.T. 0.02 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

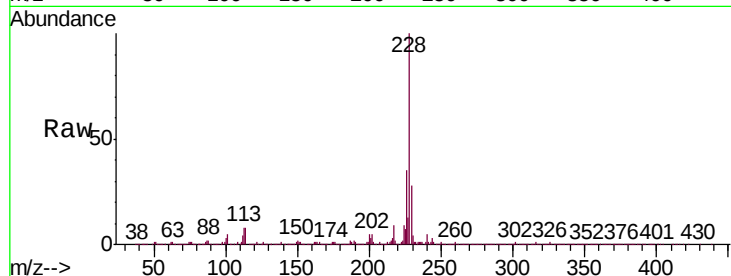
Tgt Ion:228 Resp: 2411555

Ion Ratio Lower Upper

228 100

229 28.2 17.0 25.6#

226 35.4 23.3 34.9#

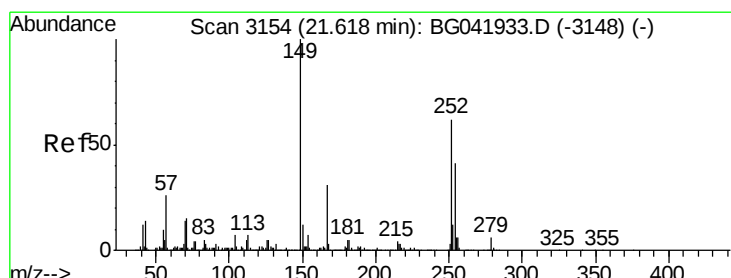
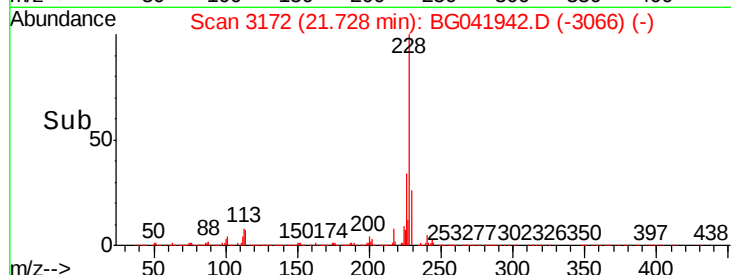
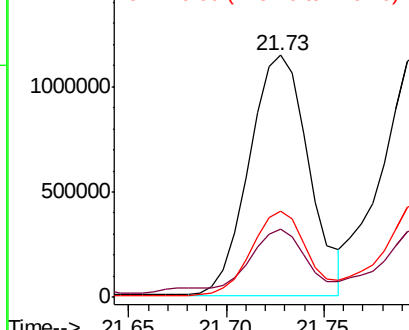


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.510 ng/ul

RT: 21.63 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

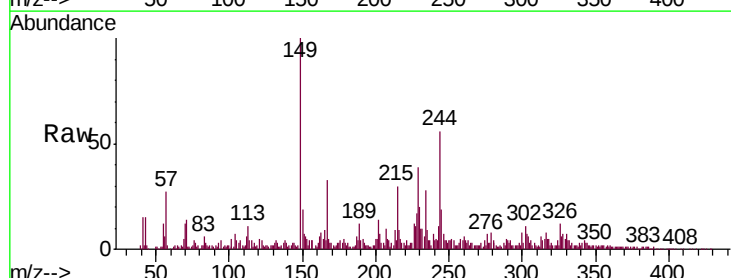
Tgt Ion:149 Resp: 101326

Ion Ratio Lower Upper

149 100

167 33.2 25.0 37.4

279 7.5 5.2 7.8

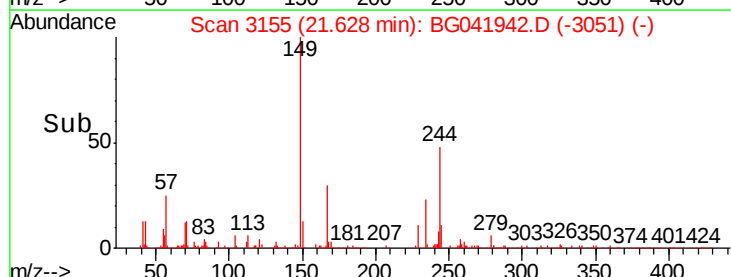
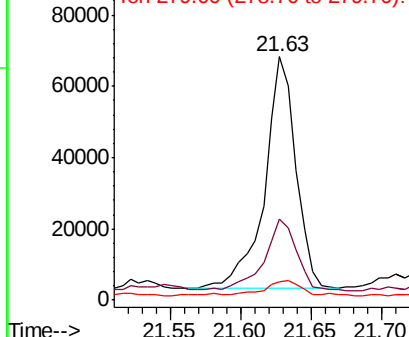


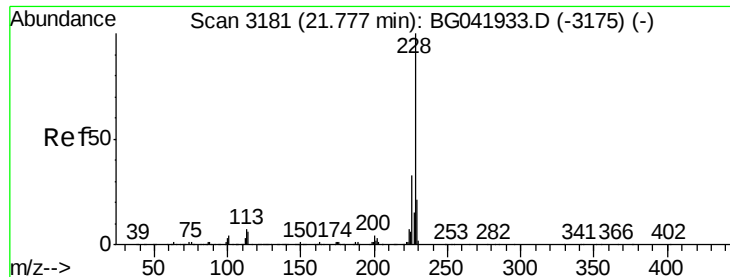
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 85.182 ng/ul

RT: 21.80 min Scan# 3184

Delta R.T. 0.02 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

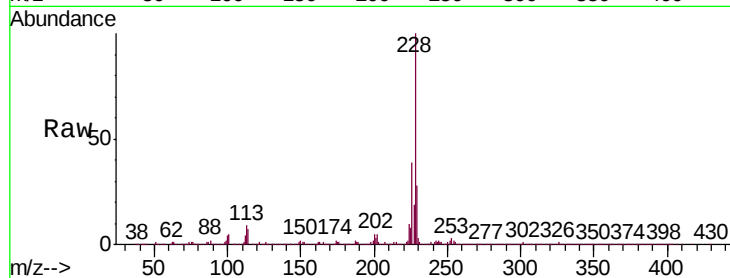
Tgt Ion:228 Resp: 2375196

Ion Ratio Lower Upper

228 100

226 38.8 25.7 38.5#

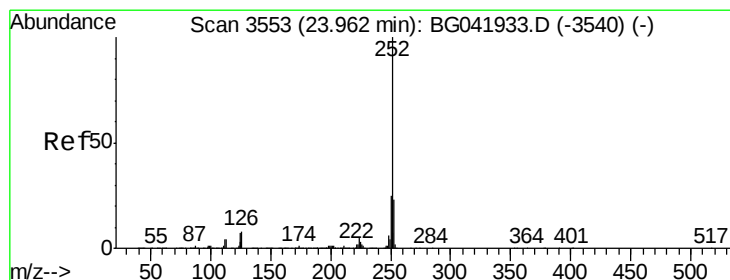
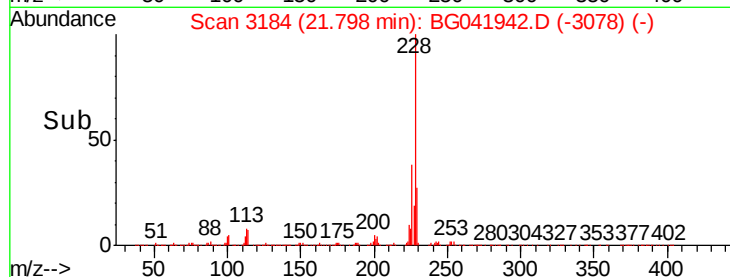
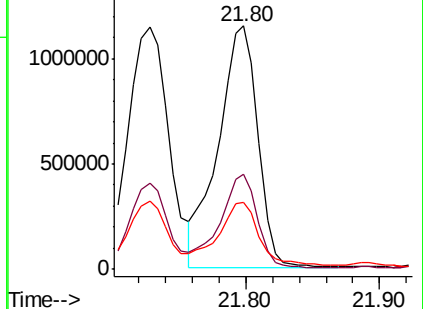
229 27.7 16.6 24.8#



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

Benzo(b)fluoranthene

Concen: 61.100 ng/ul

RT: 24.00 min Scan# 3558

Delta R.T. 0.03 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

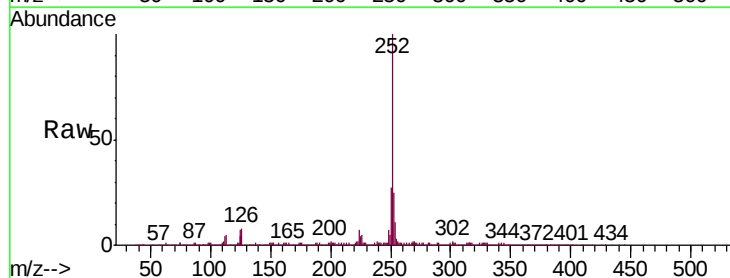
Tgt Ion:252 Resp: 1793167

Ion Ratio Lower Upper

252 100

253 25.1 18.4 27.6

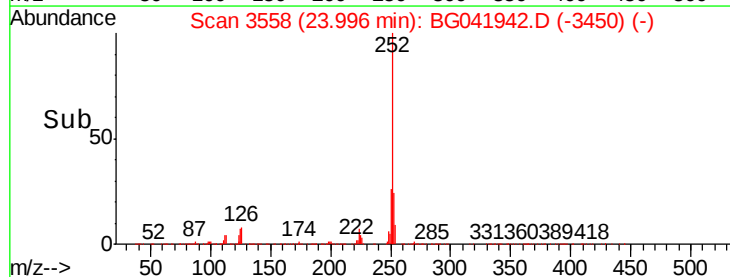
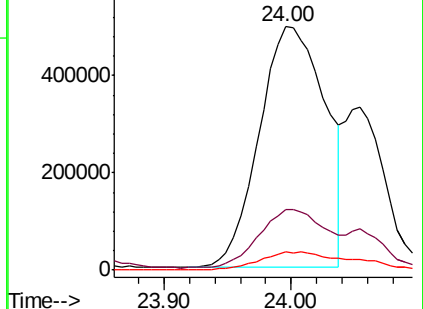
125 7.3 5.8 8.8

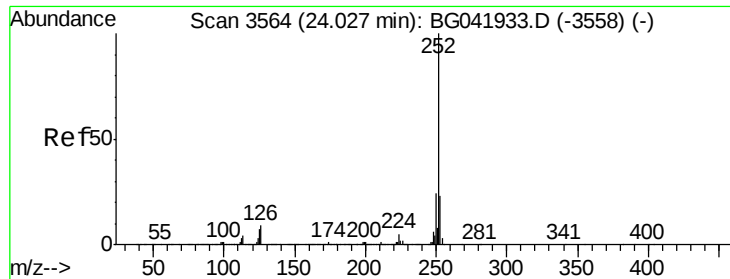


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 63.547 ng/u1

RT: 24.00 min Scan# 3558

Delta R.T. -0.03 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

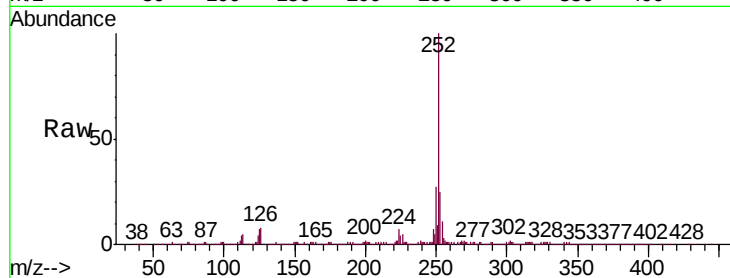
Tgt Ion:252 Resp: 1793167

Ion Ratio Lower Upper

252 100

253 25.1 18.3 27.5

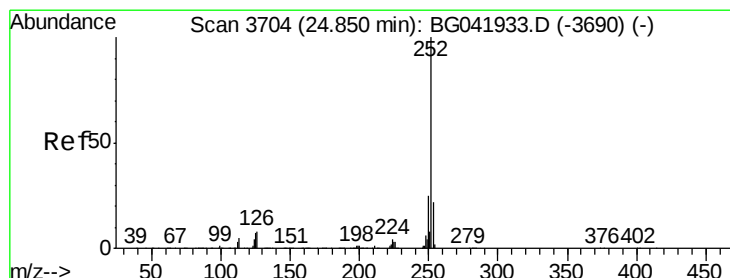
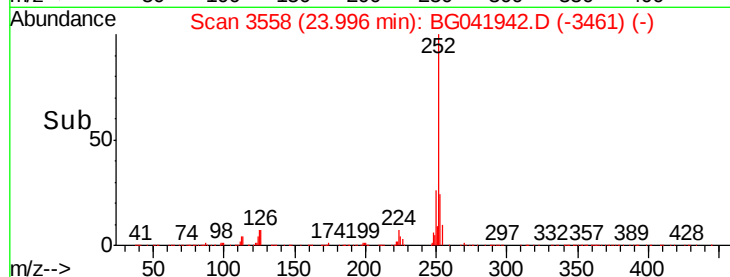
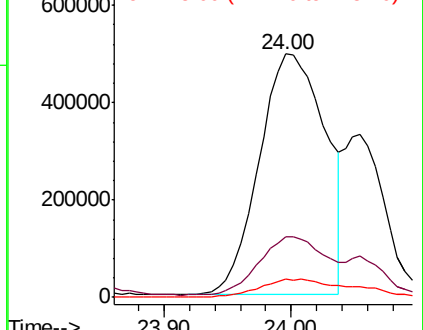
125 7.3 5.5 8.3



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: 63.729 ng/u1

RT: 24.88 min Scan# 3709

Delta R.T. 0.03 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

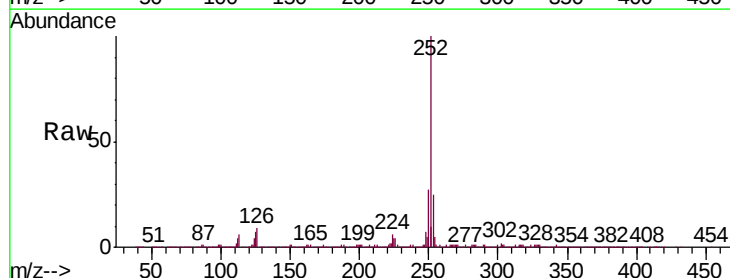
Tgt Ion:252 Resp: 1782271

Ion Ratio Lower Upper

252 100

253 24.8 18.3 27.5

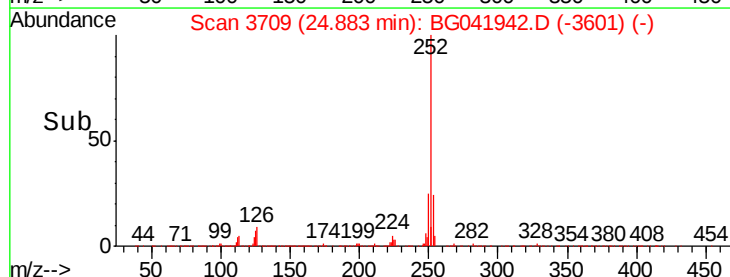
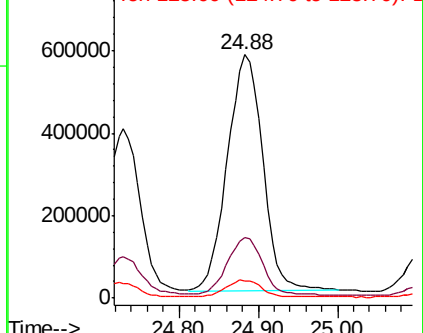
125 7.2 6.5 9.7

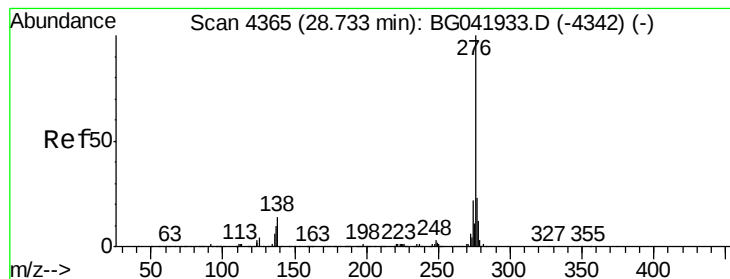


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



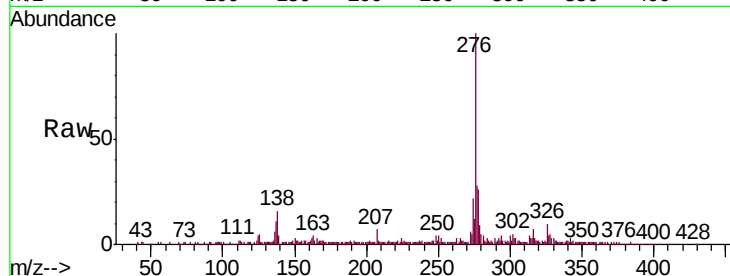


#91

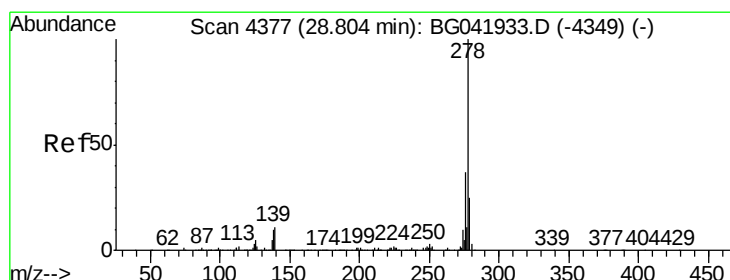
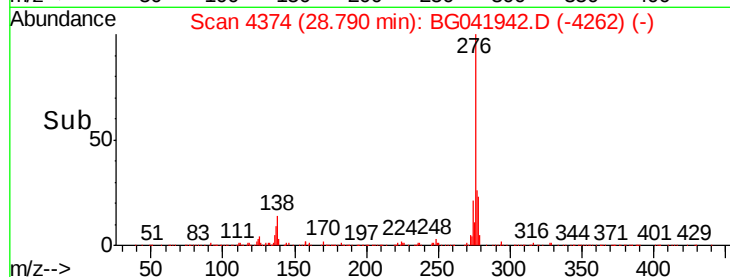
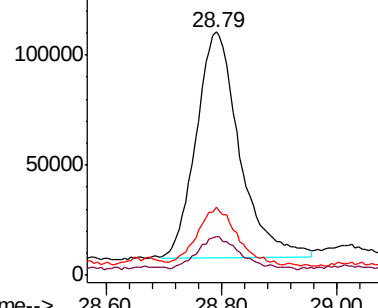
Indeno(1,2,3-cd)pyrene
Concen: 16.376 ng/u1
RT: 28.79 min Scan# 4374
Delta R.T. 0.06 min
Lab File: BG041942.D
Acq: 4 Aug 2019 14:24

Instrument :
BNA_G
ClientSampleId :
BENP1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	12.0	18.0
277	27.8	19.2	28.8



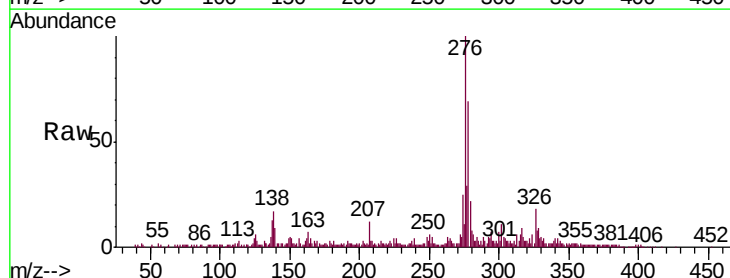
Abundance Ion 276.00 (275.70 to 276.70): E
150000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



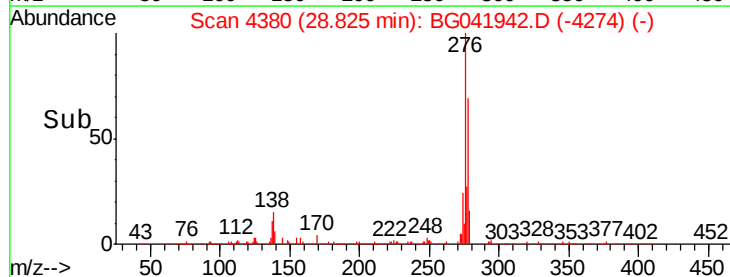
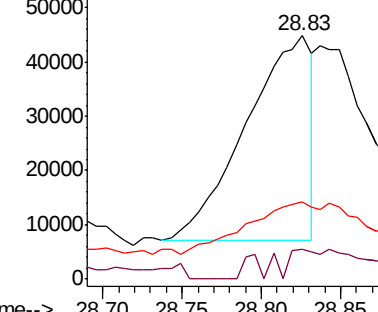
#92

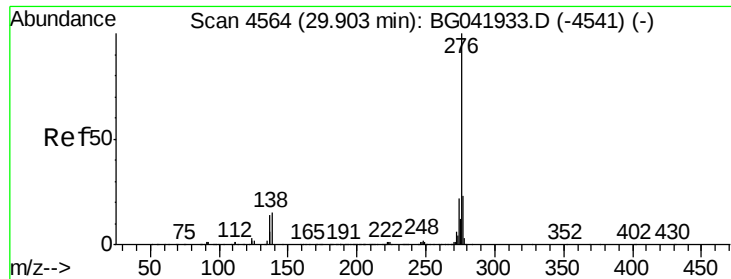
Dibenzo(a,h)anthracene
Concen: 4.067 ng/u1
RT: 28.83 min Scan# 4380
Delta R.T. 0.02 min
Lab File: BG041942.D
Acq: 4 Aug 2019 14:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.4	14.0
279	31.9	19.2	28.8#



Abundance Ion 278.00 (277.70 to 278.70): E
60000 Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 18.713 ng/ul

RT: 29.95 min Scan# 4572

Delta R.T. 0.05 min

Lab File: BG041942.D

Acq: 4 Aug 2019 14:24

Instrument :

BNA_G

ClientSampleId :

BENP1DL

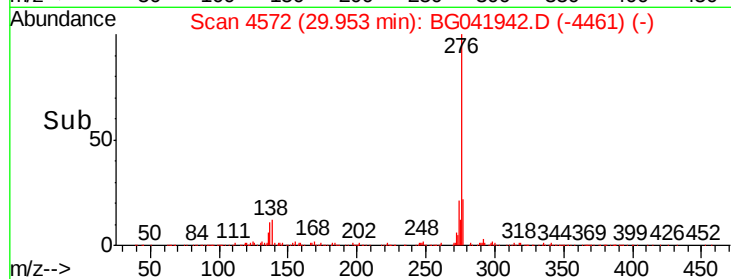
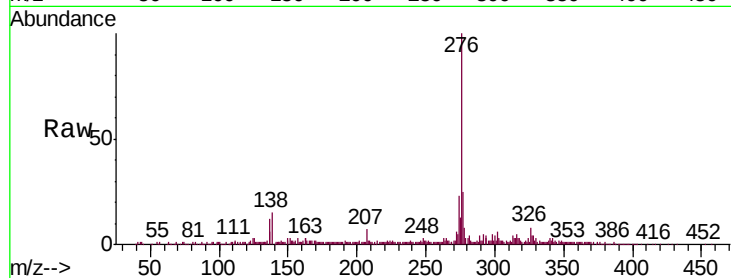
Tgt Ion: 276 Resp: 509621

Ion Ratio Lower Upper

276 100

138 14.6 12.6 18.8

277 24.8 19.2 28.8



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

