

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040219\
 Data File : BM019729.D
 Acq On : 03 Apr 2019 14:29
 Operator : JU/SJ
 Sample : K2148-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF5F7

Quant Time: Apr 04 01:49:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 04 01:45:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	172368	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.35	136	788566	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.23	164	459264	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.99	188	959658	20.00	ng/ul	-0.01
78) Chrysene-d12	21.20	240	708519	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	671190	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	32255	7.33	ng/uL	0.00
5) Phenol-d5	6.75	99	425672	27.73	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	265107	25.80	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.10	132	336519	28.93	ng/ul	-0.01
13) 4-Methylphenol-d8	8.28	113	366493	31.81	ng/ul	-0.01
19) Nitrobenzene-d5	8.73	128	158494	28.18	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.45	143	190416	30.41	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.98	165	350492	29.67	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.51	131	318495	22.45	ng/ul	-0.01
44) Dimethylphthalate-d6	13.65	166	1212880	32.73	ng/ul	-0.01
47) Acenaphthylene-d8	13.92	160	1387804	29.95	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.48	143	156419	26.93	ng/ul	0.00
58) Fluorene-d10	15.23	176	998668	31.28	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.38	200	137439	21.66	ng/ul	0.00
71) Anthracene-d10	17.09	188	1488108	32.31	ng/ul	-0.01
79) Pyrene-d10	19.40	212	1328944	40.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	1004305	28.22	ng/ul	0.00

Target Compounds

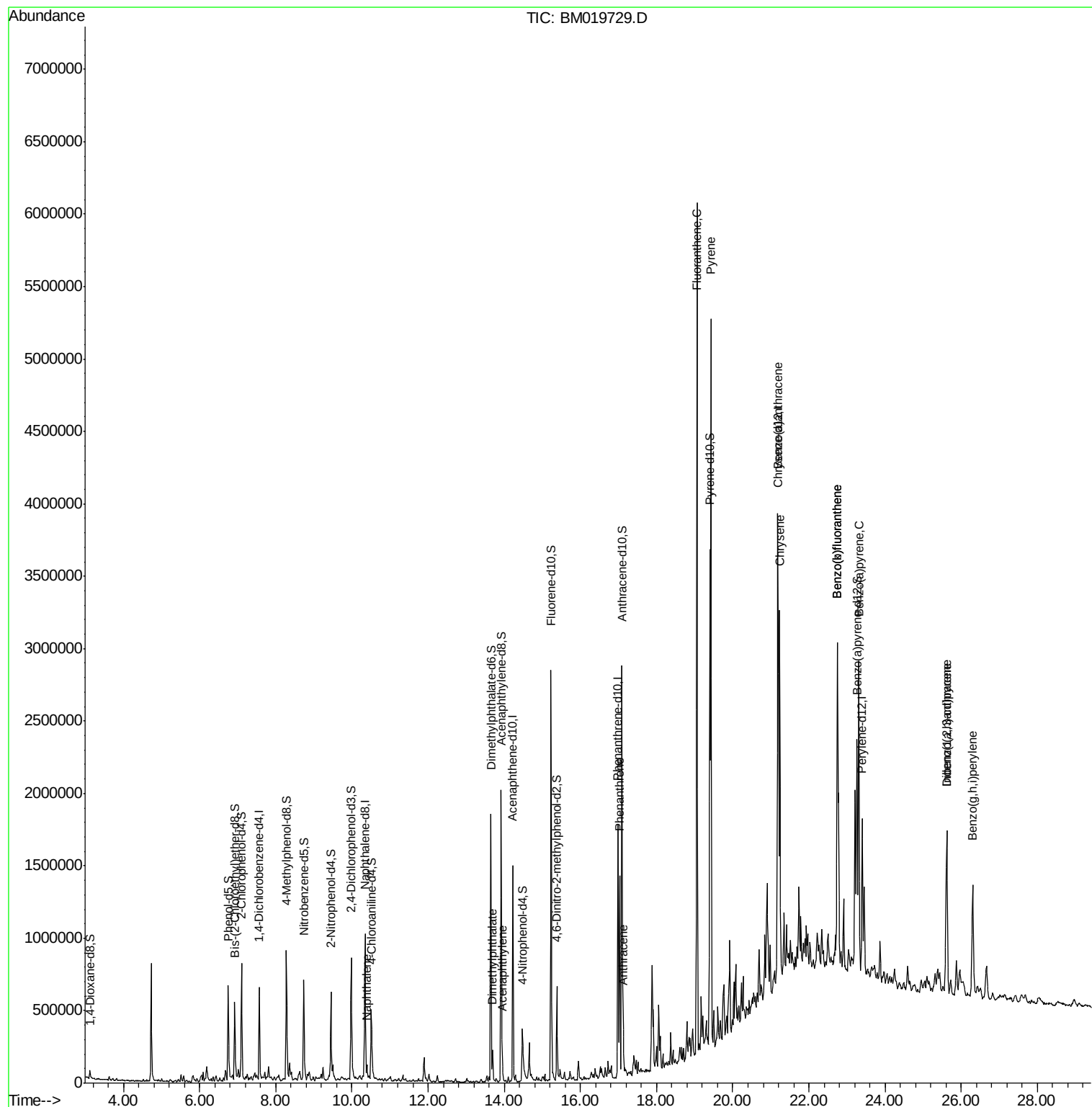
					Qvalue	
28) Naphthalene	10.40	128	74457	1.823	ng/ul	98
45) Dimethylphthalate	13.70	163	130810	3.518	ng/ul#	99
48) Acenaphthylene	13.95	152	79536	1.732	ng/ul	99
70) Phenanthrene	17.03	178	782312	14.378	ng/ul	100
72) Anthracene	17.12	178	169560	3.055	ng/ul	99
77) Fluoranthene	19.06	202	3023788	48.498	ng/ul#	85
80) Pyrene	19.43	202	2826681	66.315	ng/ul#	80
83) Benzo(a)anthracene	21.19	228	1358636	31.859	ng/ul	96
85) Chrysene	21.23	228	1288577	31.491	ng/ul	98
88) Benzo(b)fluoranthene	22.74	252	1885327	46.114	ng/ul#	95
89) Benzo(k)fluoranthene	22.74	252	1885327	48.019	ng/ul#	94
91) Benzo(a)pyrene	23.31	252	1330939	34.053	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.62	276	1022085	20.883	ng/ul#	92
93) Dibenzo(a,h)anthracene	25.62	278	261964	6.278	ng/ul#	83
94) Benzo(g,h,i)perylene	26.30	276	851310	20.815	ng/ul#	93

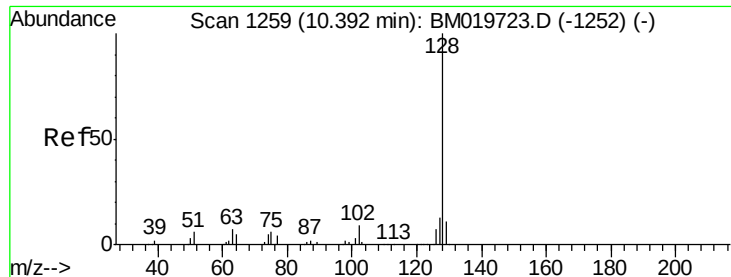
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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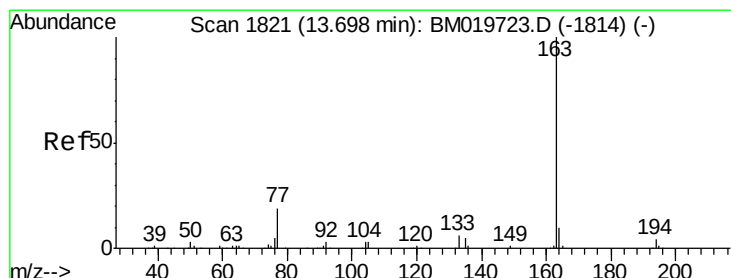
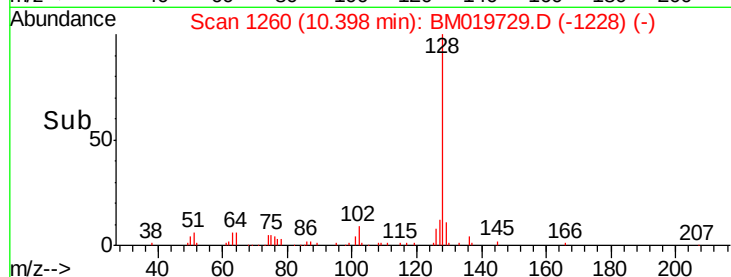
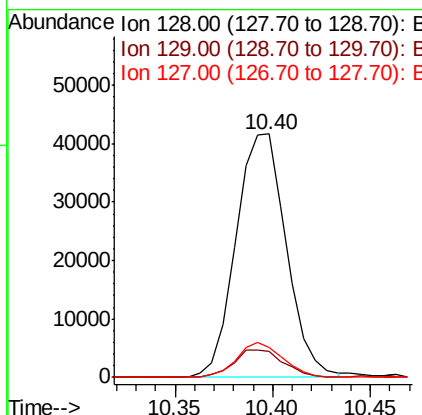
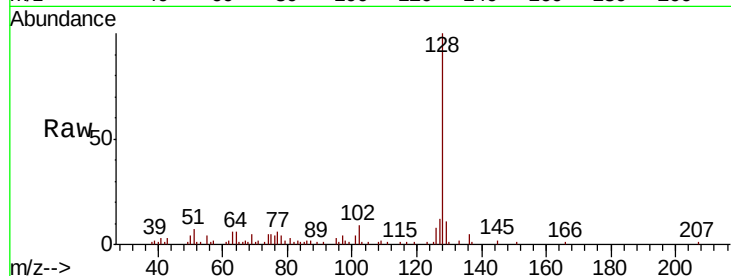




#28
Naphthalene
Concen: 1.823 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

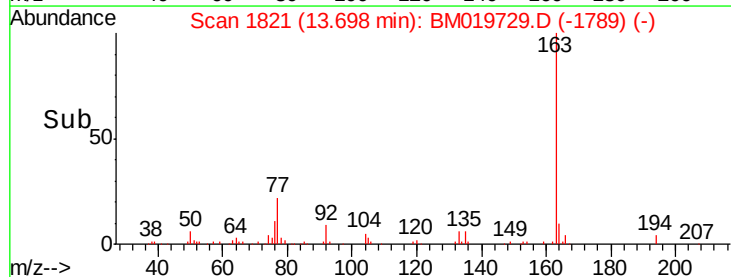
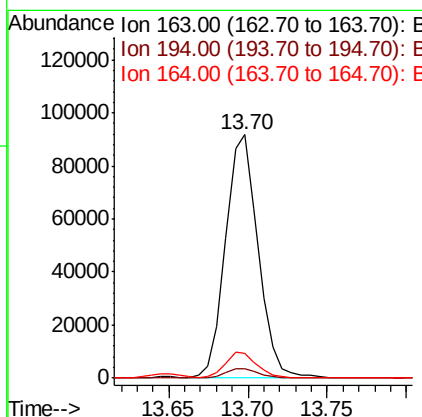
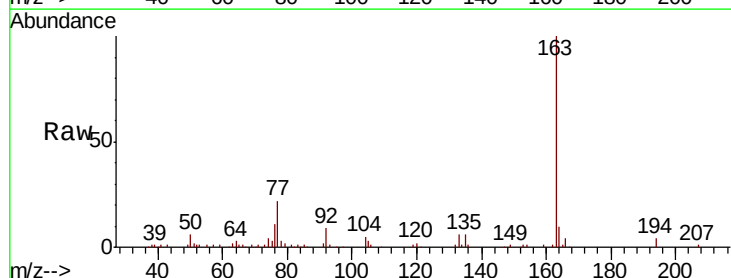
Instrument :
BNA_M
ClientSampleId :
BF5F7

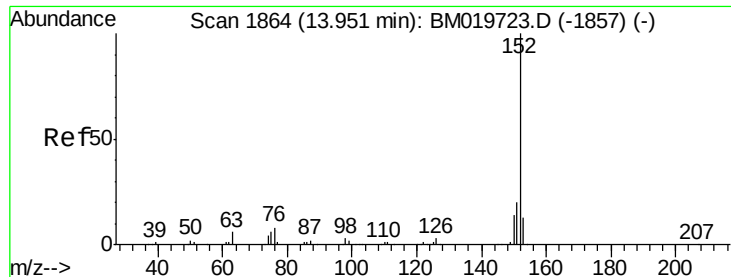
Tgt Ion:128 Resp: 74457
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 12.4 10.8 16.2



#45
Dimethylphthalate
Concen: 3.518 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Tgt Ion:163 Resp: 130810
Ion Ratio Lower Upper
163 100
194 3.6 4.0 6.0#
164 10.4 8.4 12.6





#48

Acenaphthylene

Concen: 1.732 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

BF5F7

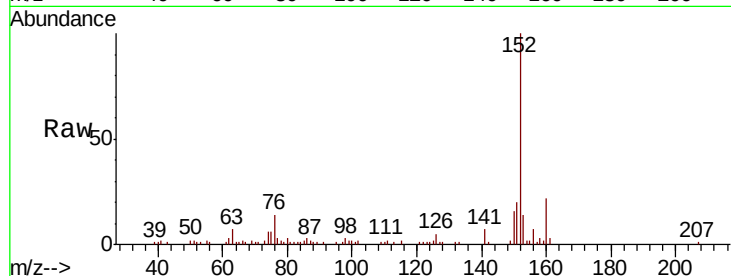
Tgt Ion:152 Resp: 79536

Ion Ratio Lower Upper

152 100

151 19.5 16.1 24.1

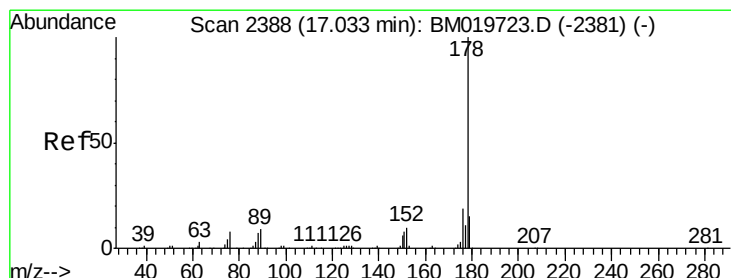
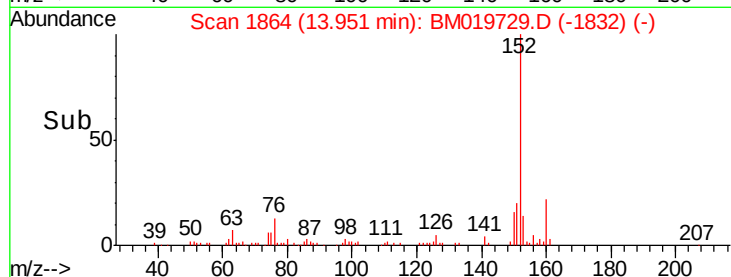
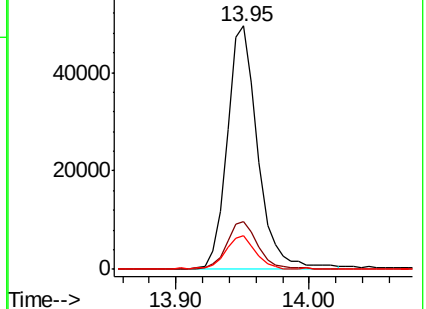
153 13.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#70

Phenanthrene

Concen: 14.378 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

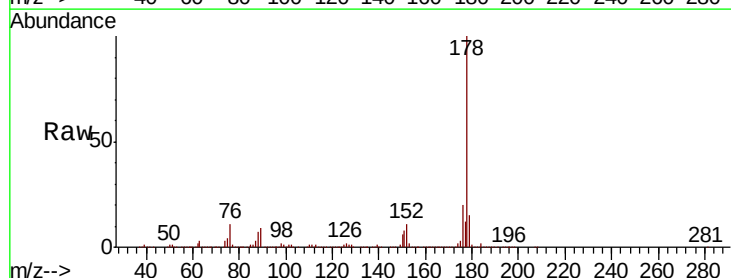
Tgt Ion:178 Resp: 782312

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

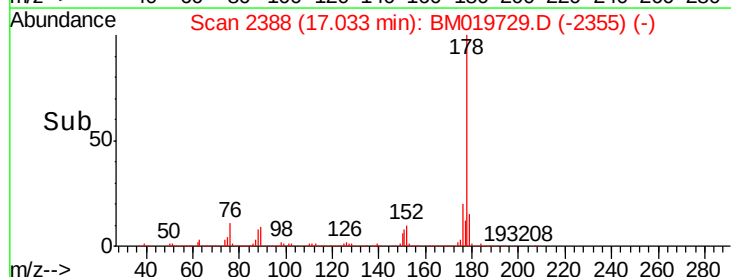
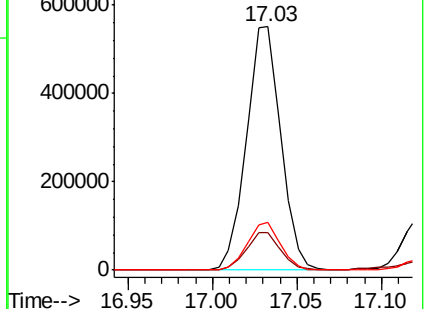
176 19.5 15.4 23.0

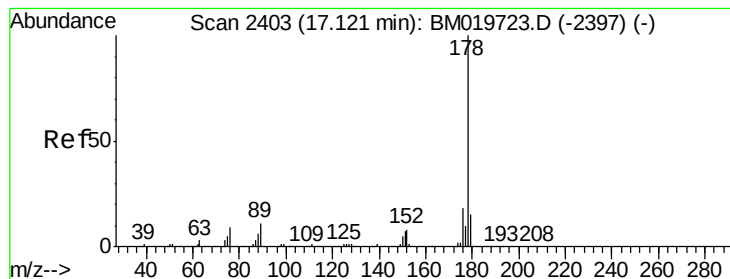


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.055 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

BF5F7

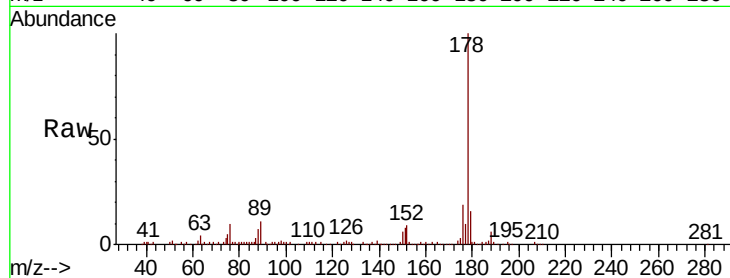
Tgt Ion:178 Resp: 169560

Ion Ratio Lower Upper

178 100

179 16.2 13.4 20.2

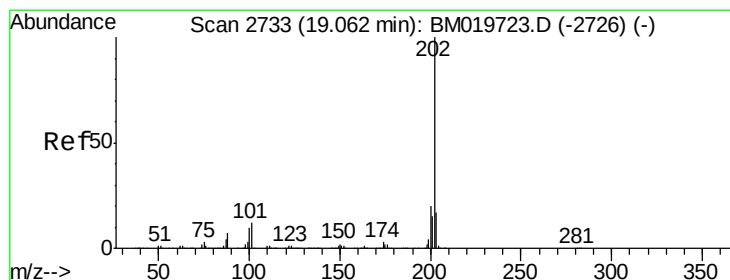
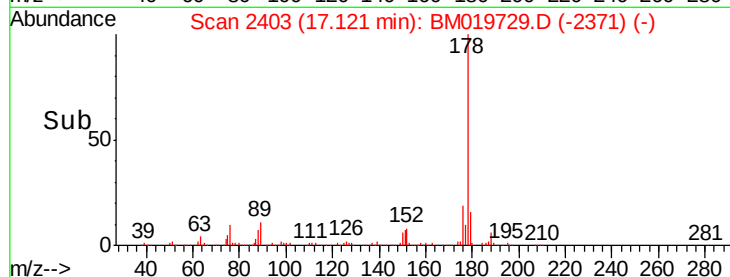
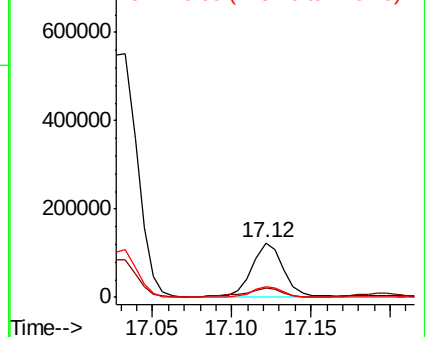
176 18.9 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 48.498 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

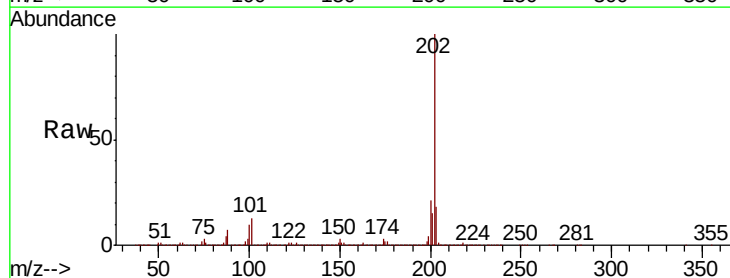
Tgt Ion:202 Resp: 3023788

Ion Ratio Lower Upper

202 100

101 13.3 6.1 9.1#

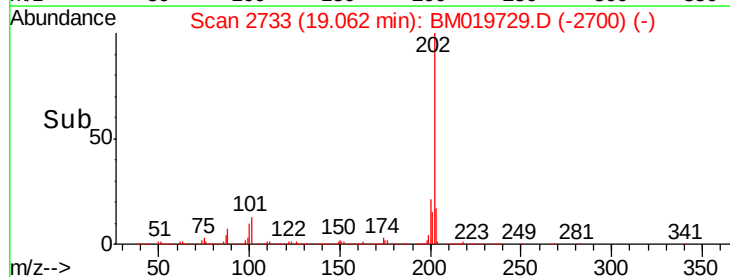
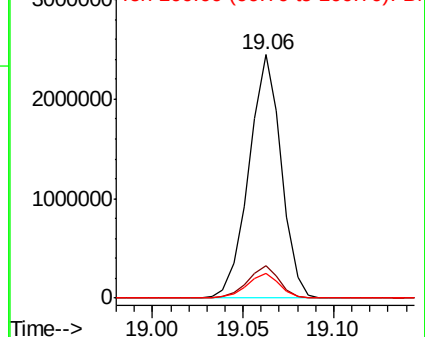
100 10.1 4.6 7.0#

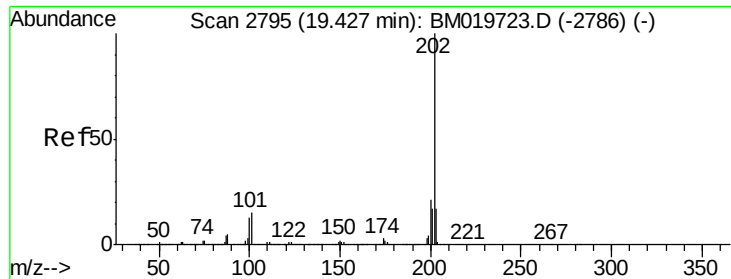


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

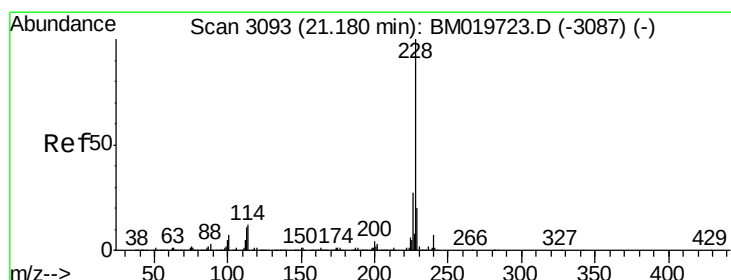
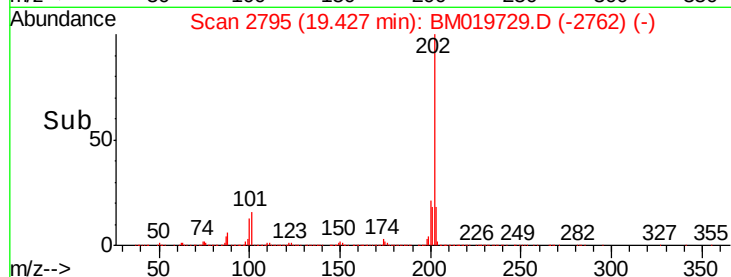
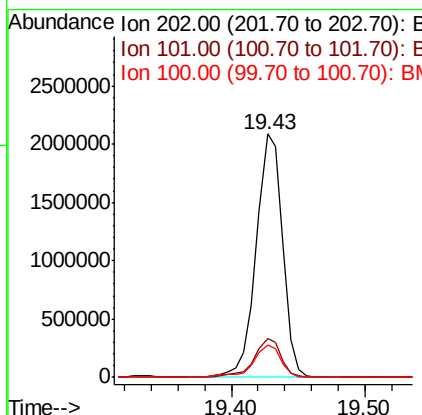
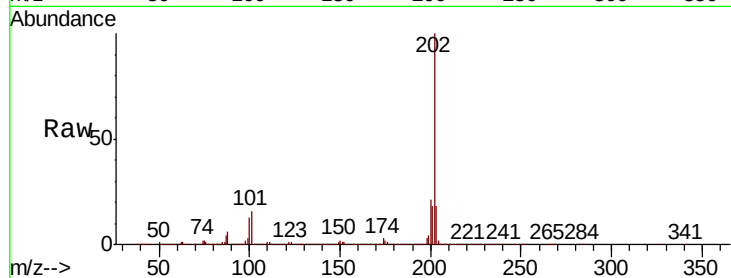




#80
 Pyrene
 Concen: 66.315 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. -0.01 min
 Lab File: BM019729.D
 Acq: 03 Apr 2019 14:29

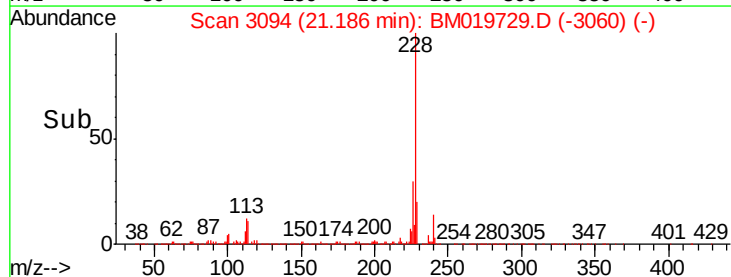
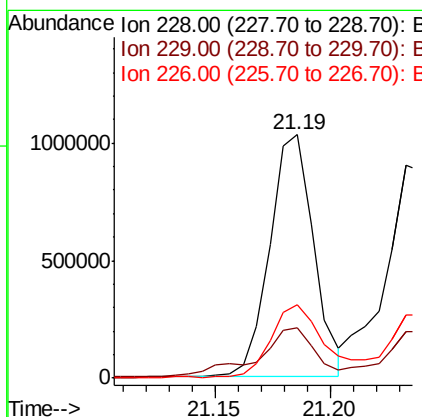
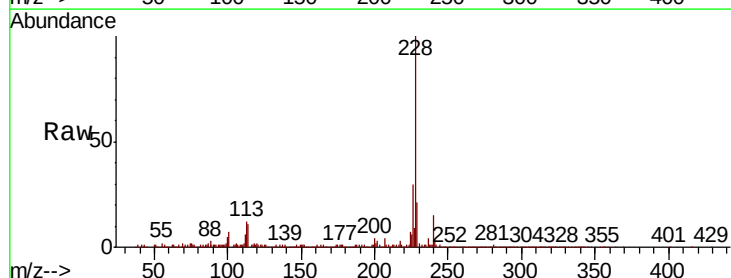
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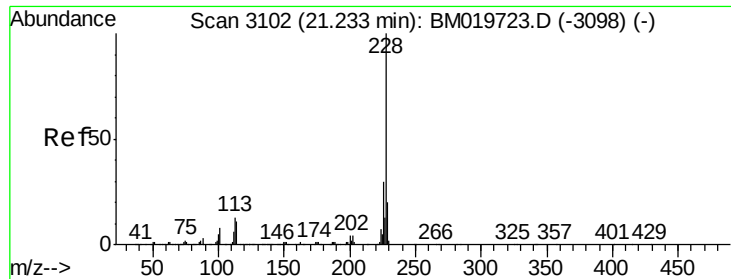
Tgt Ion:202 Resp: 2826681
 Ion Ratio Lower Upper
 202 100
 101 15.9 6.9 10.3#
 100 13.3 5.6 8.4#



#83
 Benzo(a)anthracene
 Concen: 31.859 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM019729.D
 Acq: 03 Apr 2019 14:29

Tgt Ion:228 Resp: 1358636
 Ion Ratio Lower Upper
 228 100
 229 20.7 16.0 24.0
 226 30.4 21.8 32.8





#85

Chrysene

Concen: 31.491 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

BF5F7

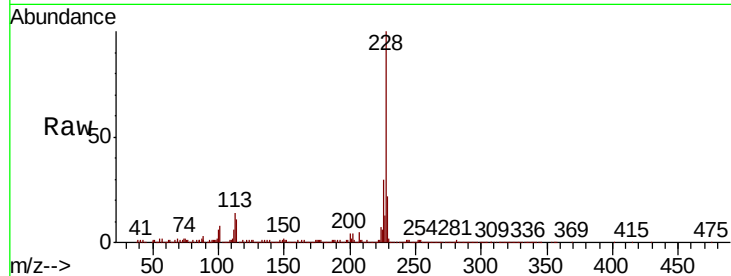
Tgt Ion:228 Resp: 1288577

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

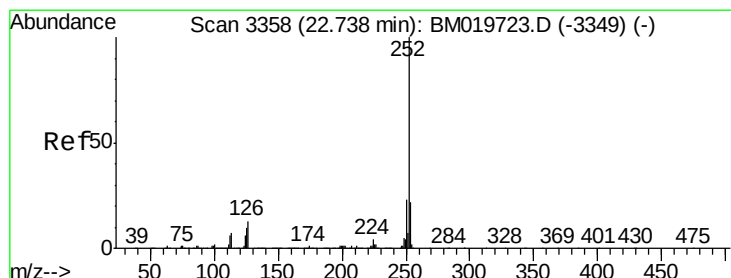
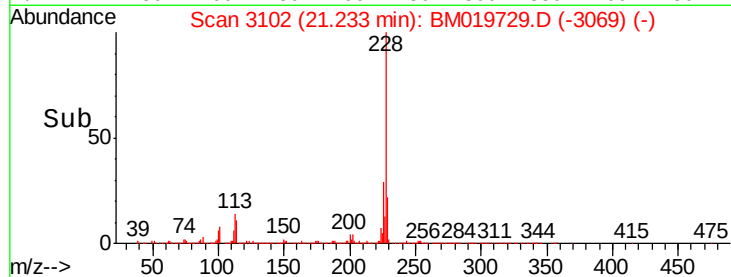
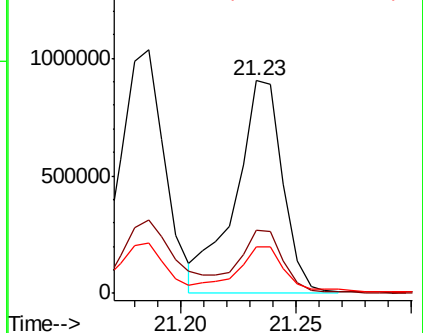
229 22.0 16.0 24.0



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



#88

Benzo(b)fluoranthene

Concen: 46.114 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

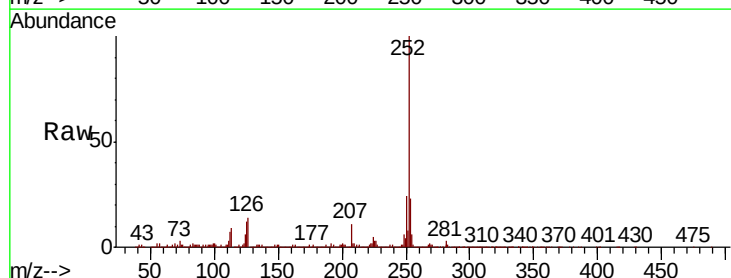
Tgt Ion:252 Resp: 1885327

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

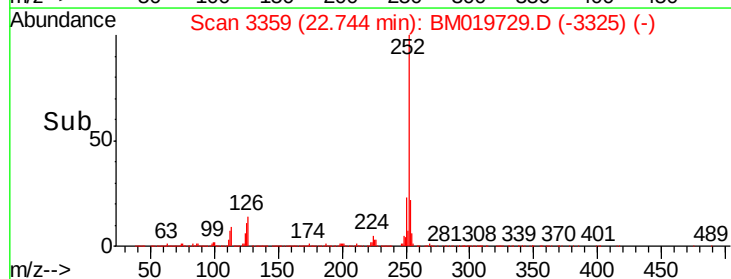
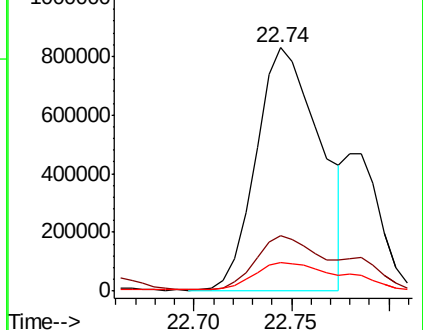
125 11.8 4.9 7.3#

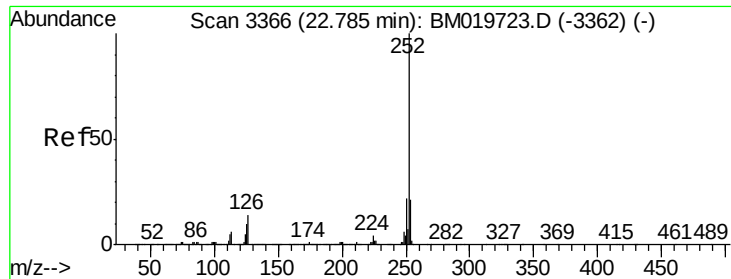


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 48.019 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

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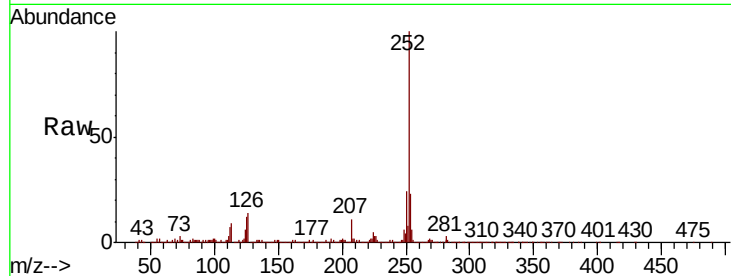
Tgt Ion:252 Resp: 1885327

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

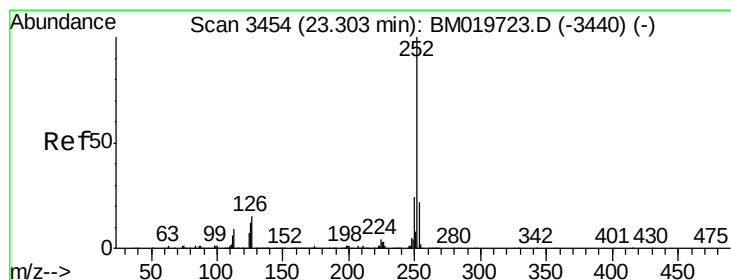
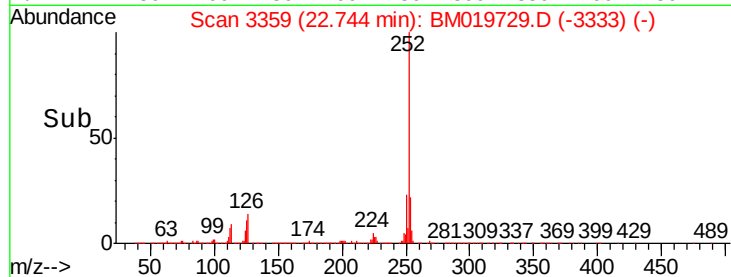
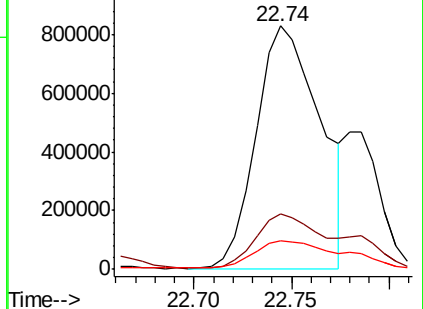
125 11.8 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 34.053 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

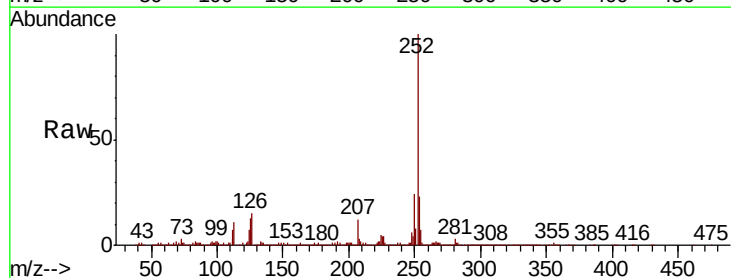
Tgt Ion:252 Resp: 1330939

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

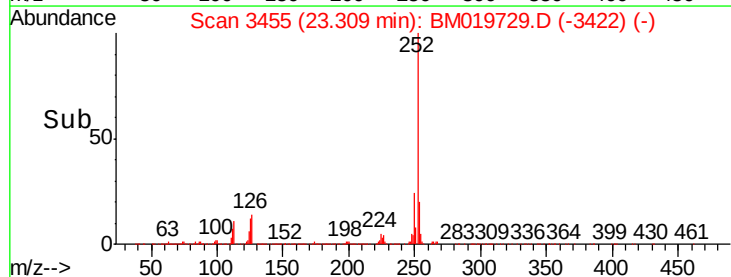
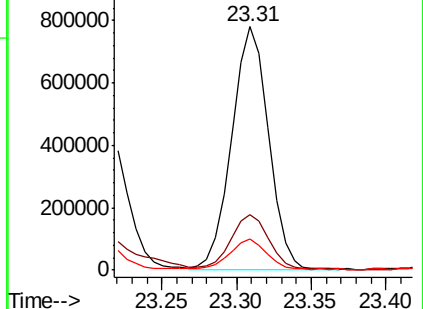
125 12.6 5.8 8.6#

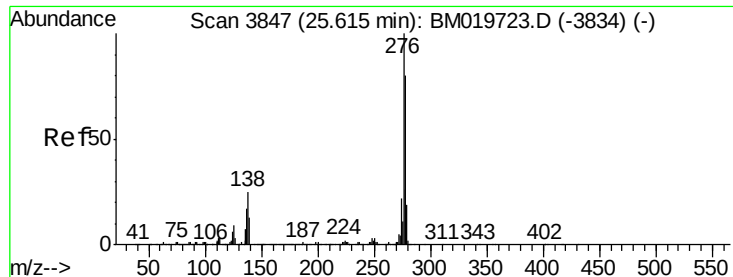


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



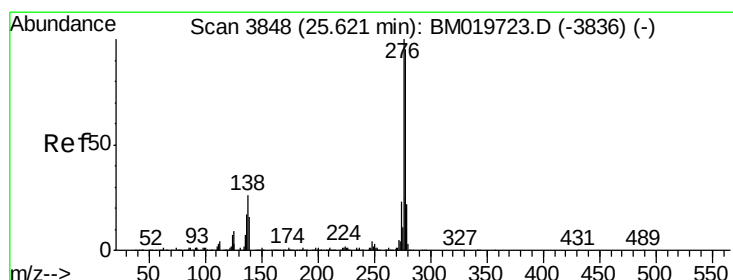
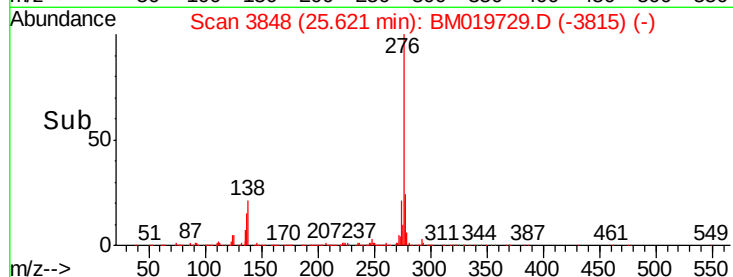
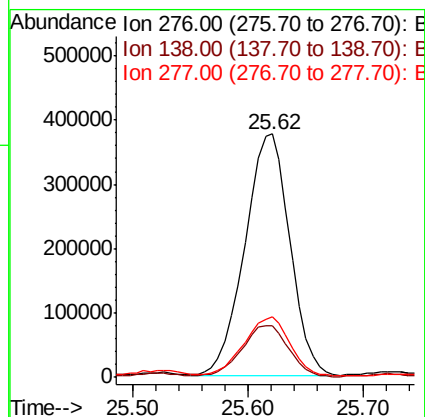
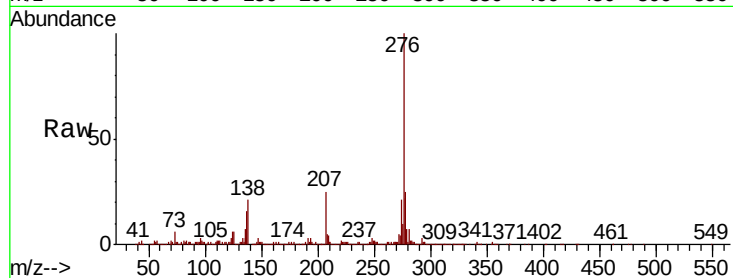


#92

Indeno(1,2,3-cd)pyrene
Concen: 20.883 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Instrument :
BNA_M
ClientSampleId :
BF5F7

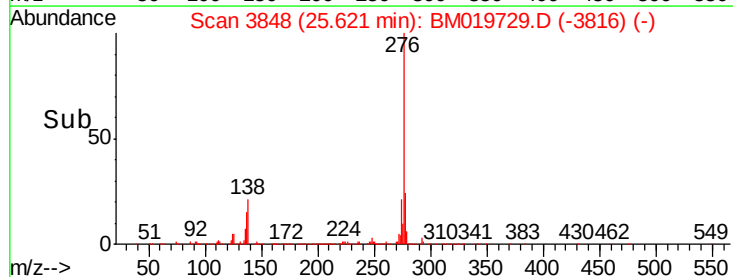
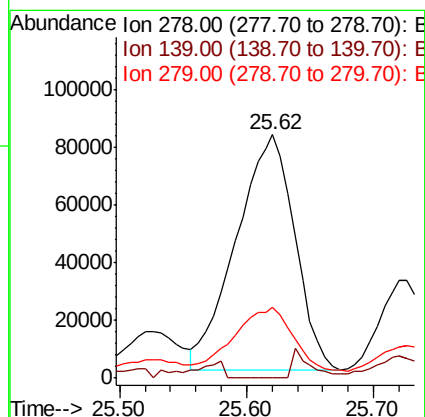
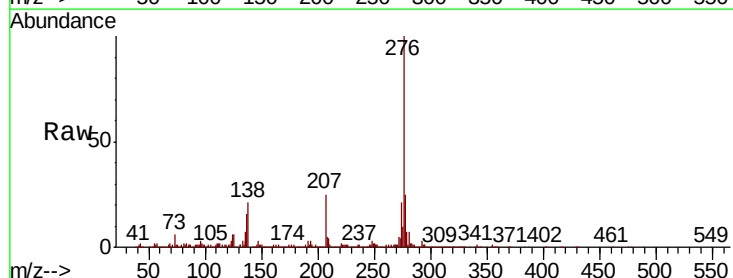
Tgt Ion:276 Resp: 1022085
Ion Ratio Lower Upper
276 100
138 21.3 10.9 16.3#
277 24.7 18.9 28.3

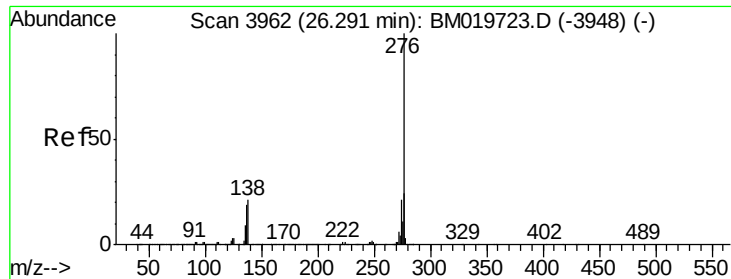


#93

Dibenzo(a,h)anthracene
Concen: 6.278 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM019729.D
Acq: 03 Apr 2019 14:29

Tgt Ion:278 Resp: 261964
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.4#
279 29.3 19.1 28.7#





#94

Benzo(g,h,i)perylene

Concen: 20.815 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM019729.D

Acq: 03 Apr 2019 14:29

Instrument :

BNA_M

ClientSampleId :

BF5F7

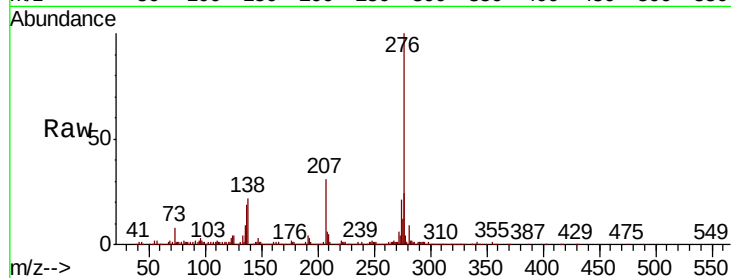
Tgt Ion: 276 Resp: 851310

Ion Ratio Lower Upper

276 100

138 21.6 11.2 16.8#

277 24.1 19.0 28.6



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

