

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050616\
 Data File : BM005278.D
 Acq On : 06 May 2016 20:07
 Operator : UM/SJ
 Sample : H2820-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD388

Quant Time: May 07 01:04:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:26:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	63110	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	306695	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	206131	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	506364	20.00	ng/ul	-0.01
75) Chrysene-d12	21.36	240	601778	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	572447	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	3693	2.75	ng/uL	0.00
5) Phenol-d5	6.95	99	79011	13.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	49123	15.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	62425	14.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	55616	11.76	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	30354	13.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	33934	13.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	64882	14.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	77325	13.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	273431	16.55	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	310559	16.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	31549	10.46	ng/ul	0.00
57) Fluorene-d10	15.40	176	248545	17.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	33109	11.62	ng/ul	0.00
70) Anthracene-d10	17.26	188	406751	18.17	ng/ul	0.00
76) Pyrene-d10	19.56	212	497818	17.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	467817	18.46	ng/ul	-0.01

Target Compounds

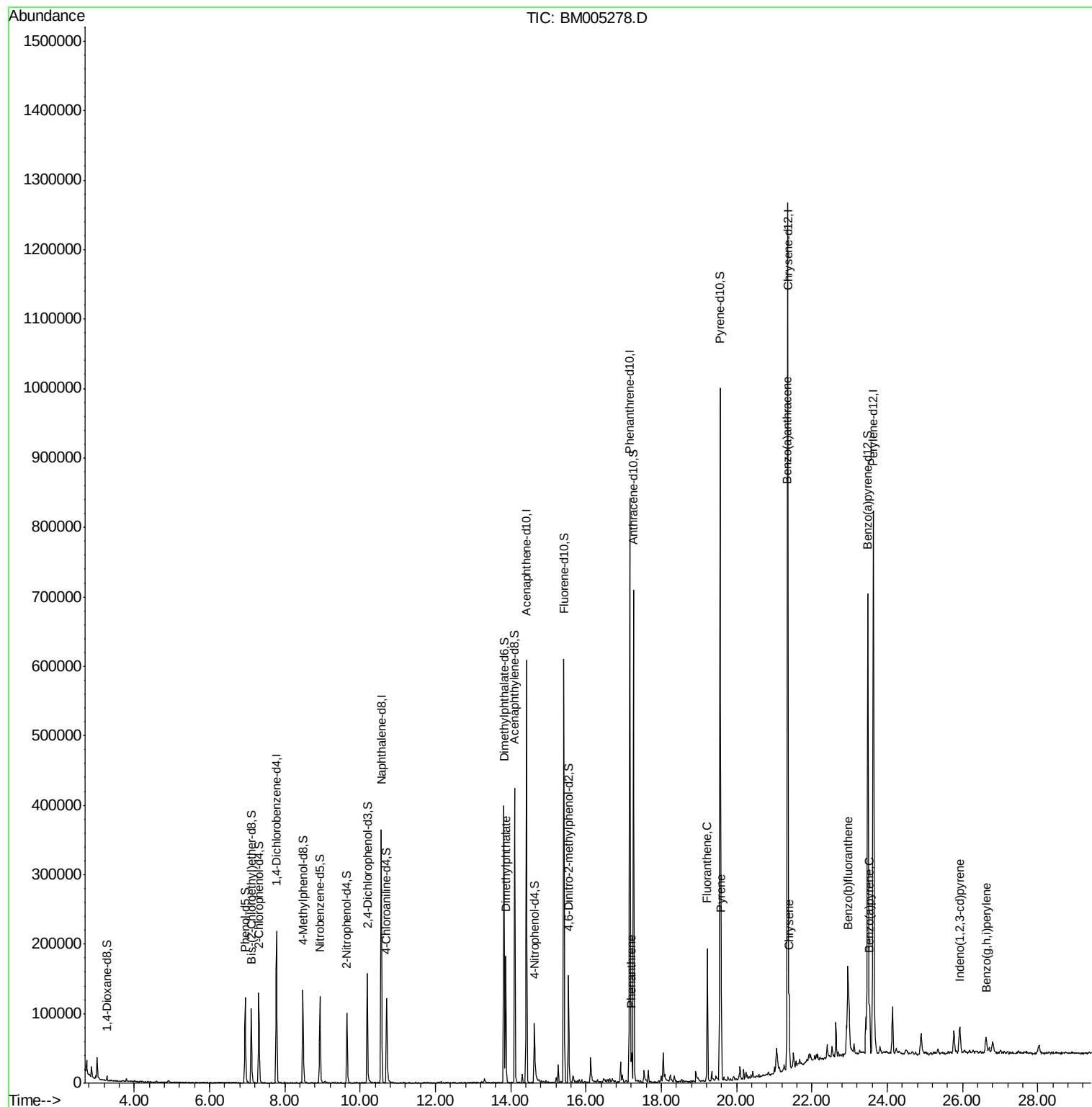
						Qvalue
44) Dimethylphthalate	13.87	163	119408	7.23	ng/ul	100
69) Phenanthrene	17.20	178	27255	1.02	ng/ul	98
74) Fluoranthene	19.22	202	113812	3.86	ng/ul	99
77) Pyrene	19.59	202	100258	2.87	ng/ul	99
80) Benzo(a)anthracene	21.34	228	53952	1.56	ng/ul	99
82) Chrysene	21.39	228	62016	1.89	ng/ul	95
85) Benzo(b)fluoranthene	22.94	252	81100	2.42	ng/ul	98
88) Benzo(a)pyrene	23.53	252	56553	1.79	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.92	276	35316	1.02	ng/ul	95
91) Benzo(g,h,i)perylene	26.62	276	30511	1.04	ng/ul	97

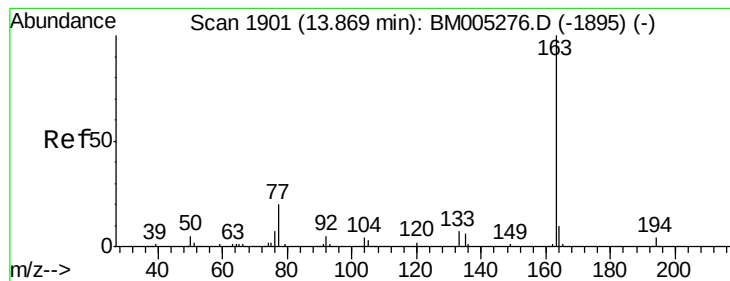
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 7.23 ng/ul

RT: 13.87 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM005278.D

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BD388

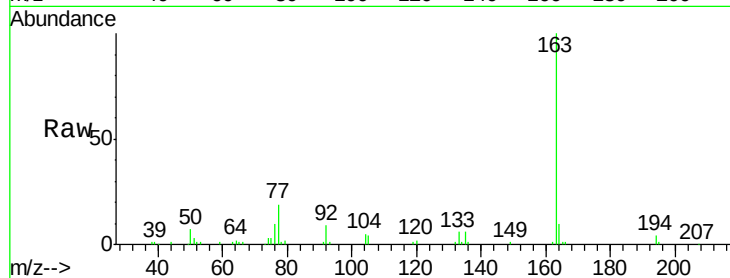
Tgt Ion:163 Resp: 119408

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

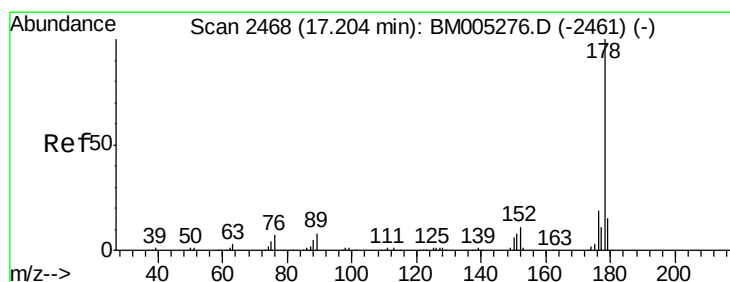
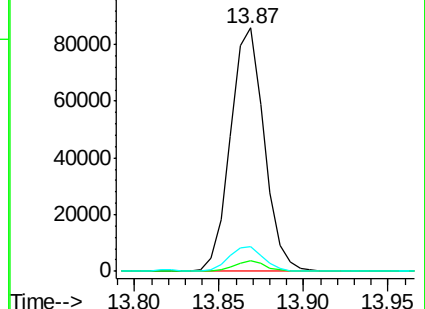
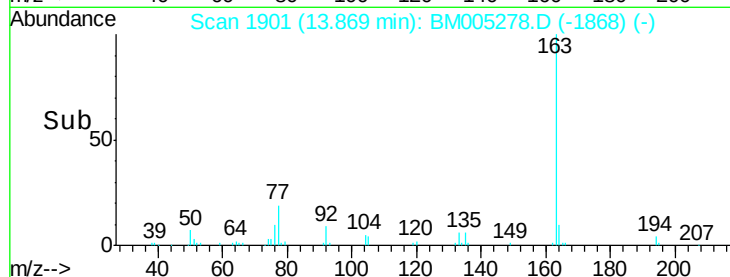
164 10.0 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 1.02 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

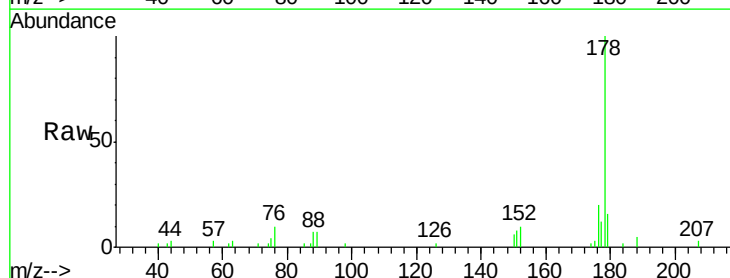
Tgt Ion:178 Resp: 27255

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

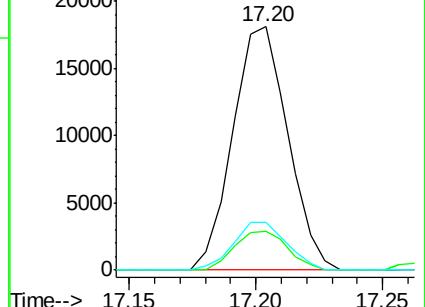
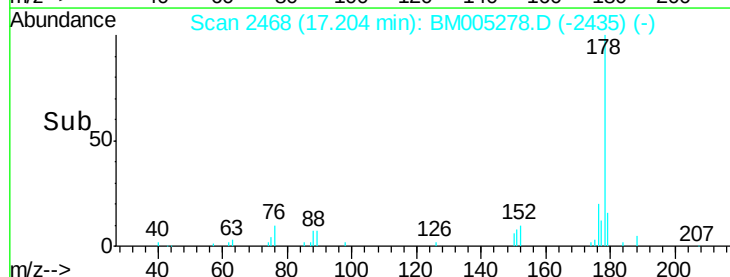
176 19.7 15.2 22.8

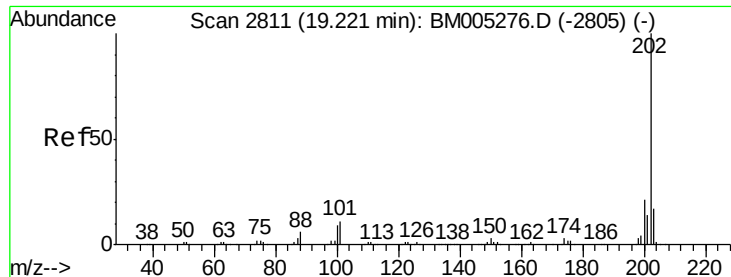


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 3.86 ng/ul

RT: 19.22 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

Instrument :

BNA_M

ClientSampled :

BD388

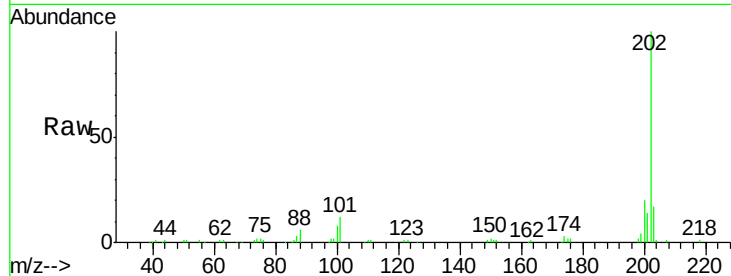
Tgt Ion:202 Resp: 113812

Ion Ratio Lower Upper

202 100

101 11.8 9.2 13.8

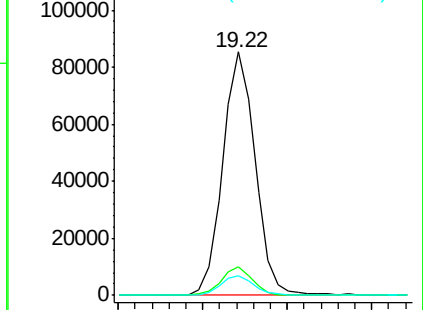
100 8.3 7.1 10.7



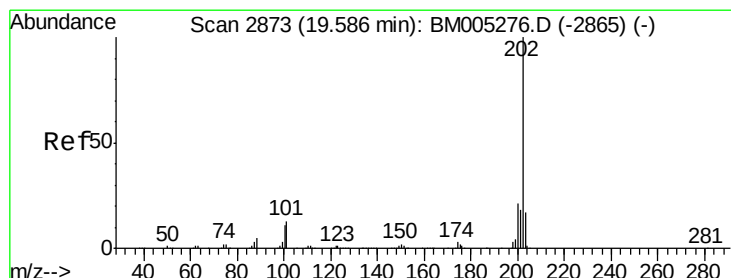
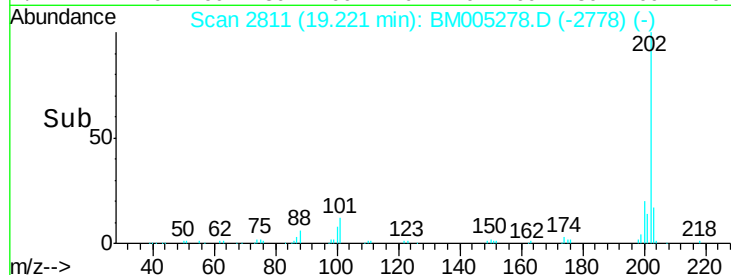
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.15 19.20 19.25 19.30



#77

Pyrene

Concen: 2.87 ng/ul

RT: 19.59 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

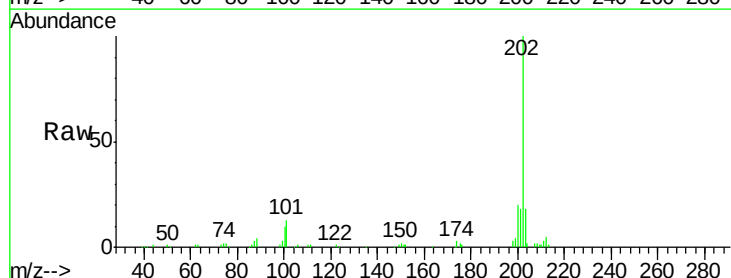
Tgt Ion:202 Resp: 100258

Ion Ratio Lower Upper

202 100

101 12.6 10.8 16.2

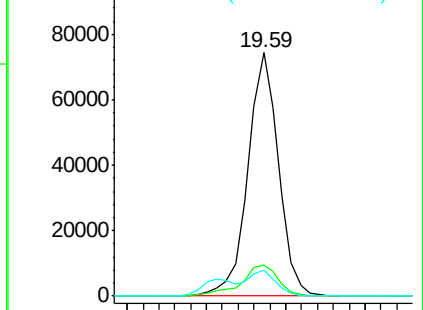
100 10.5 8.4 12.6



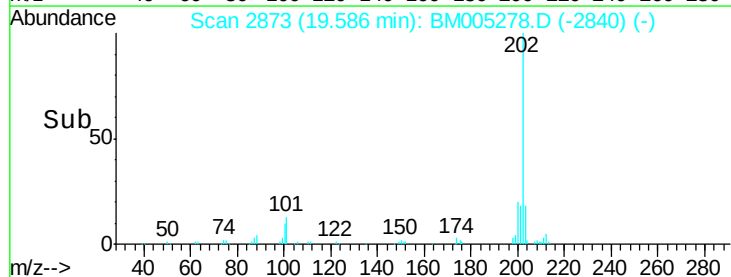
Abundance Ion 202.00 (201.70 to 202.70): E

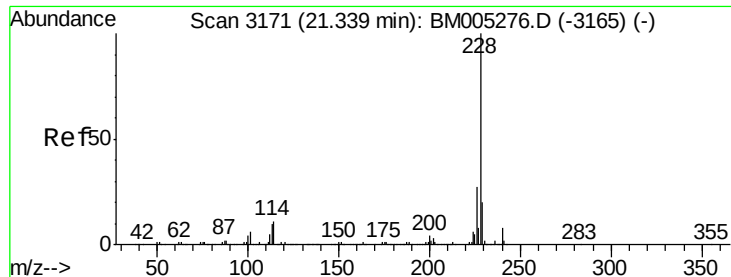
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.55 19.60 19.65





#80

Benzo(a)anthracene

Concen: 1.56 ng/ul

RT: 21.34 min Scan# 3171

Delta R.T. -0.01 min

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Acq: 06 May 2016 20:07

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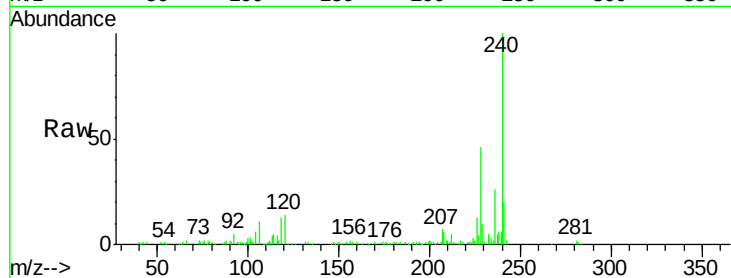
Tgt Ion:228 Resp: 53952

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

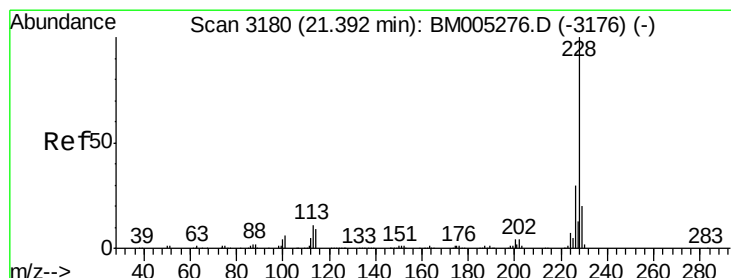
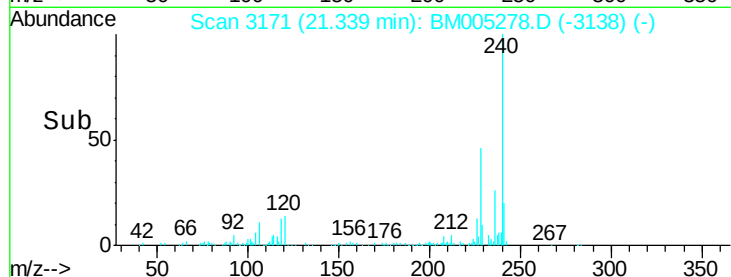
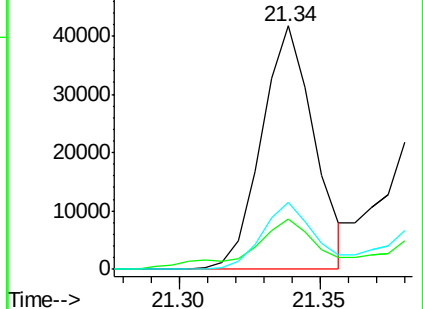
226 27.6 21.8 32.8



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



#82

Chrysene

Concen: 1.89 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

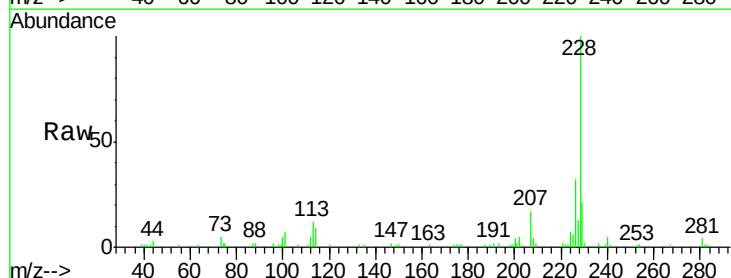
Tgt Ion:228 Resp: 62016

Ion Ratio Lower Upper

228 100

226 32.0 23.6 35.4

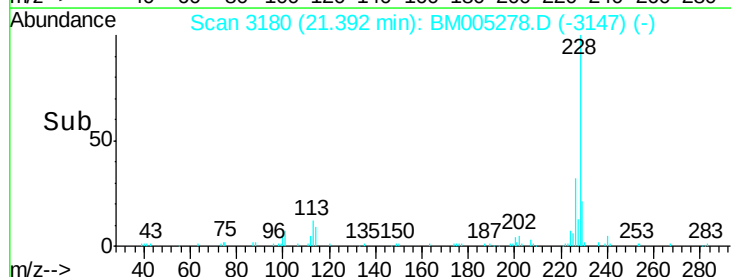
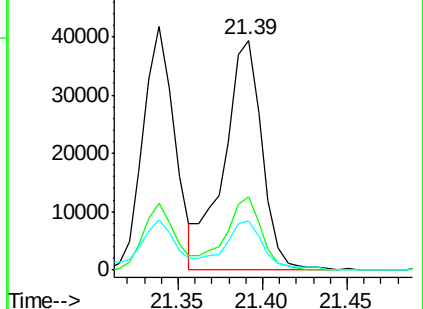
229 21.2 15.4 23.0

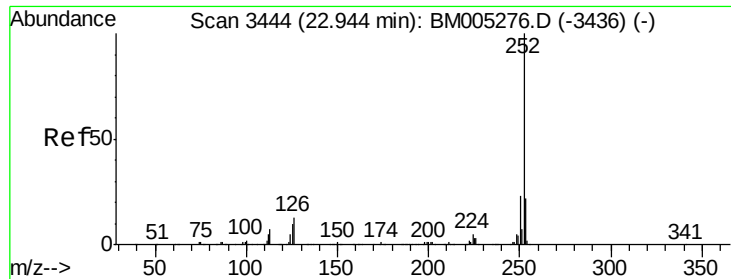


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.42 ng/ul

RT: 22.94 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM005278.D

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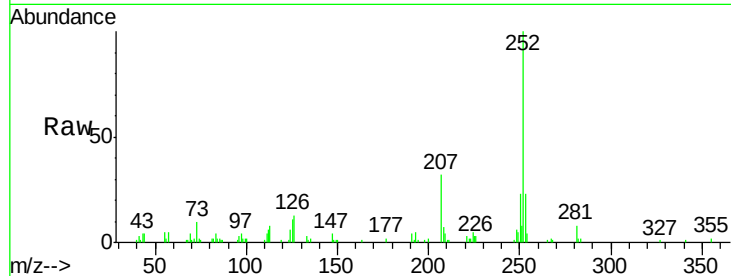
Tgt Ion:252 Resp: 81100

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

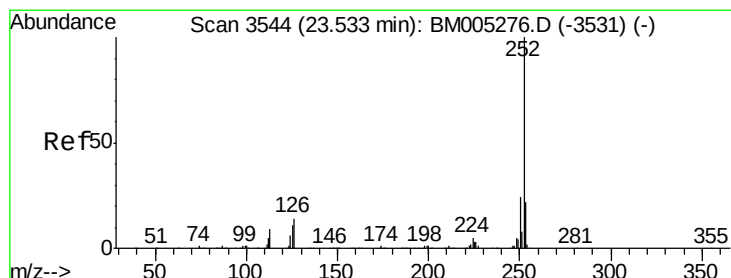
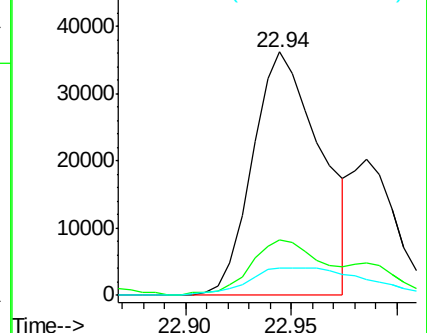
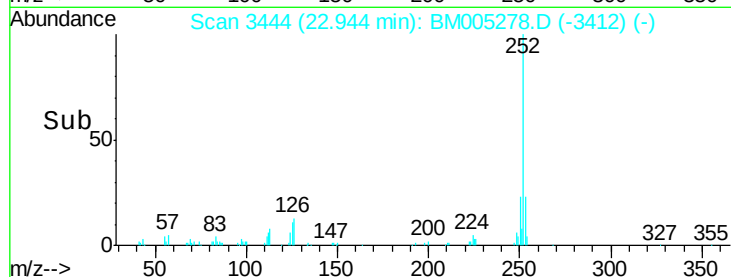
125 11.3 8.4 12.6



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



#88

Benzo(a)pyrene

Concen: 1.79 ng/ul

RT: 23.53 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

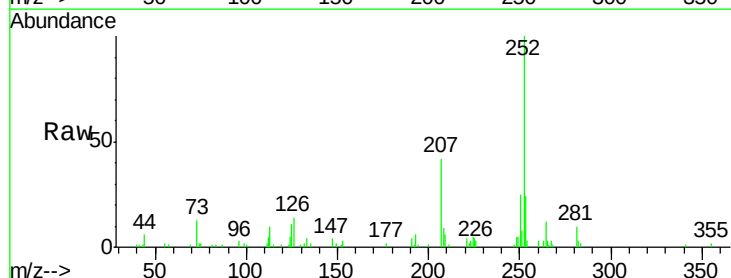
Tgt Ion:252 Resp: 56553

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

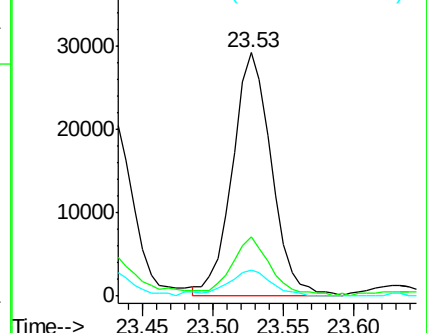
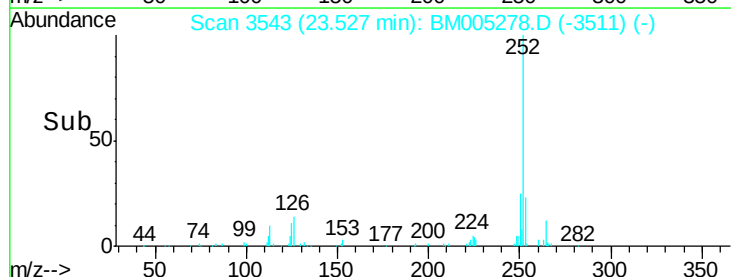
125 10.8 8.7 13.1

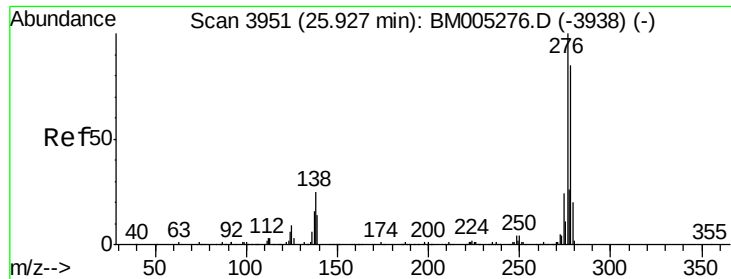


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.02 ng/ul

RT: 25.92 min Scan# 3950

Delta R.T. -0.02 min

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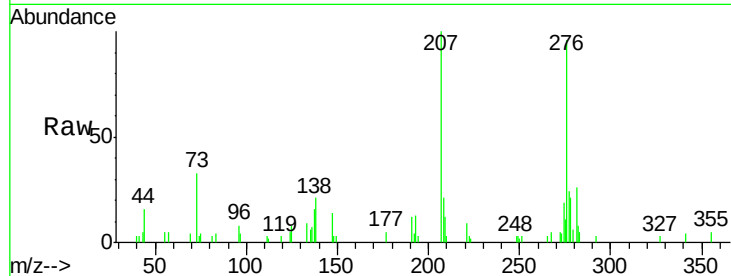
Tgt Ion:276 Resp: 35316

Ion Ratio Lower Upper

276 100

138 21.7 21.0 31.6

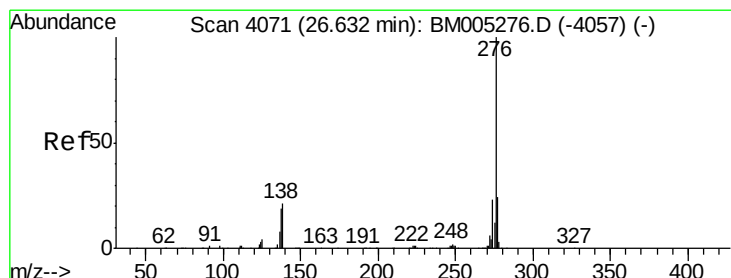
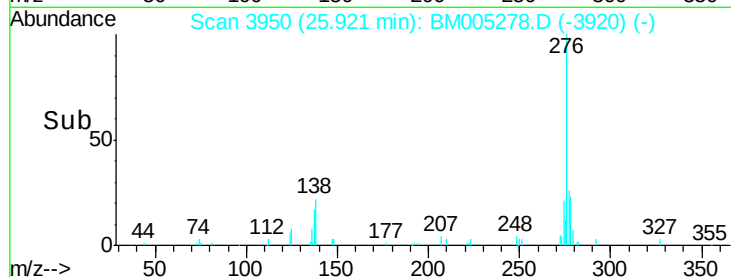
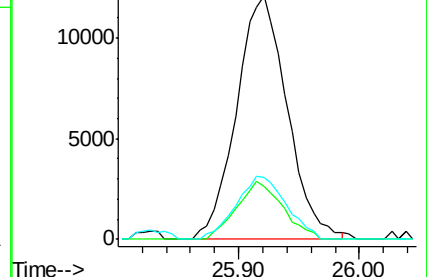
277 25.2 19.9 29.9



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



#91

Benzo(g,h,i)perylene

Concen: 1.04 ng/ul

RT: 26.62 min Scan# 4069

Delta R.T. -0.02 min

Lab File: BM005278.D

Acq: 06 May 2016 20:07

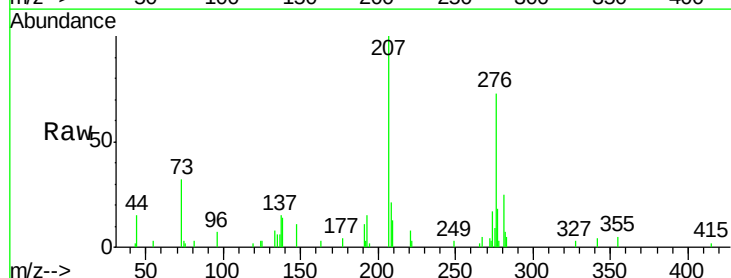
Tgt Ion:276 Resp: 30511

Ion Ratio Lower Upper

276 100

138 19.9 18.2 27.4

277 24.2 19.4 29.2



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

