

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006582.D
 Acq On : 21 Jul 2016 08:25
 Operator : UM/SJ
 Sample : DFTPP56
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DFTPP56

Quant Time: Jul 21 15:41:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 21 01:09:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.61
7) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.39
15) Acenaphthene-d10	0.00	164	0	0.00	ng/ul	-14.26
23) Phenanthrene-d10	17.02	188	726	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	3822	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1523	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
3) Phenol-d5	0.00	99	0	0.00	ng/ul	
4) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
5) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
6) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
8) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
9) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
10) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
12) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
16) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
17) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
20) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
21) Fluorene-d10	0.00	176	0	0.00	ng/ul	
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.12	188	453	13.14	ng/ul	0.00
30) Pyrene-d10	19.42	212	2533	14.54	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1723	24.59	ng/ul	0.01

Target Compounds

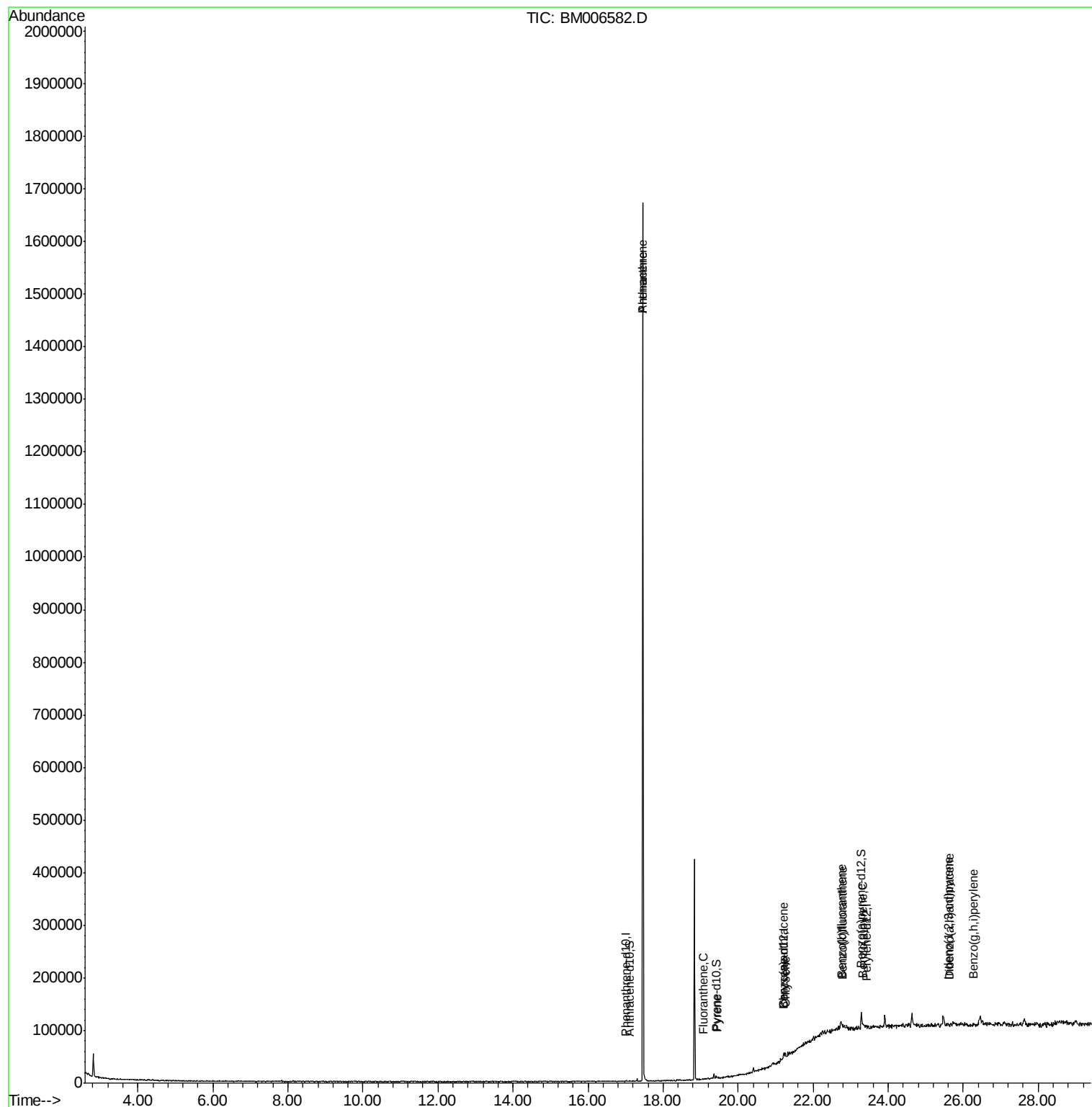
						Qvalue
25) Phenanthrene	17.45	178	135	3.31	ng/ul#	1
27) Anthracene	17.45	178	135	3.21	ng/ul#	1
28) Fluoranthene	19.08	202	644	13.43	ng/ul#	73
31) Pyrene	19.44	202	688	2.97	ng/ul#	69
32) Benzo(a)anthracene	21.20	228	1632	7.05	ng/ul#	79
33) Chrysene	21.25	228	1763	8.25	ng/ul#	76
35) Benzo(b)fluoranthene	22.76	252	2371	25.97	ng/ul#	59
36) Benzo(k)fluoranthene	22.80	252	134	1.52	ng/ul#	60
38) Benzo(a)pyrene	23.32	252	1070	12.04	ng/ul#	14
39) Indeno(1,2,3-cd)pyrene	25.61	276	843	8.19	ng/ul#	54
40) Dibenzo(a,h)anthracene	25.63	278	132	1.55	ng/ul#	55
41) Benzo(g,h,i)perylene	26.29	276	1490	16.89	ng/ul#	55

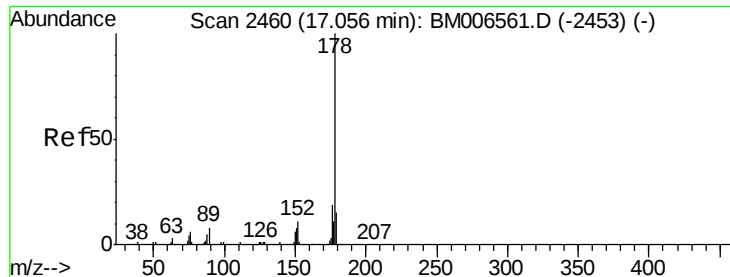
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.31 ng/ul

RT: 17.45 min Scan# 2527

Delta R.T. 0.39 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

Instrument :

BNA_M

ClientSampleId :

DFTPP56

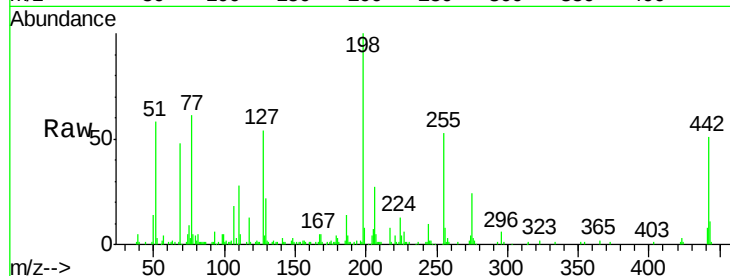
Tgt Ion:178 Resp: 135

Ion Ratio Lower Upper

178 100

179 811.0 11.8 17.8#

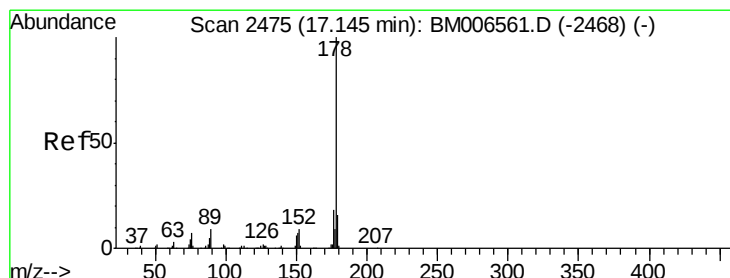
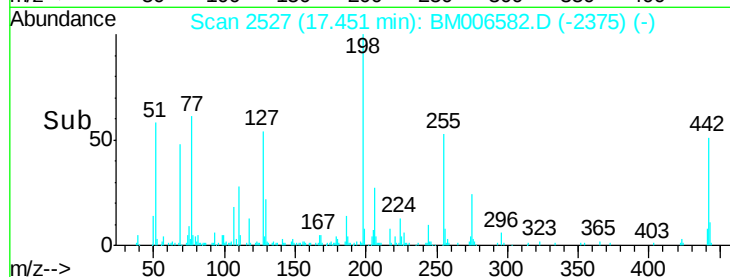
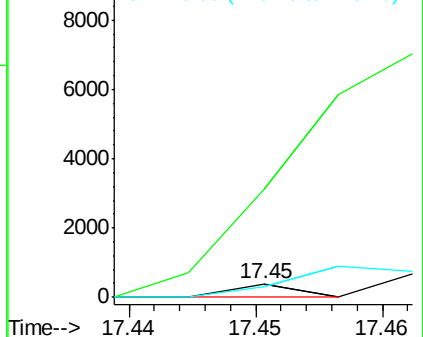
176 78.6 14.8 22.2#



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



#27

Anthracene

Concen: 3.21 ng/ul

RT: 17.45 min Scan# 2527

Delta R.T. 0.31 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

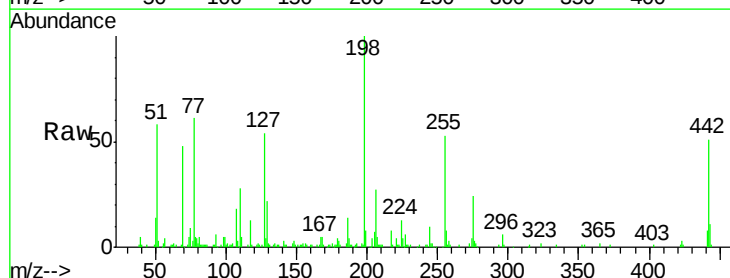
Tgt Ion:178 Resp: 135

Ion Ratio Lower Upper

178 100

179 811.0 12.9 19.3#

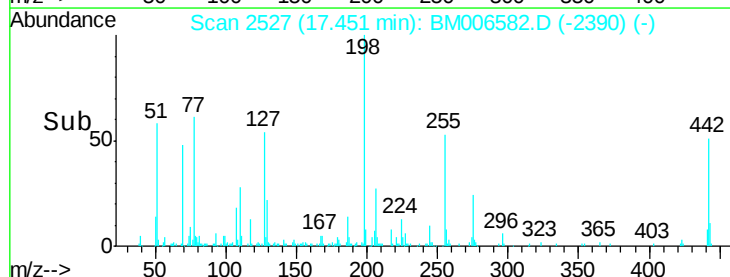
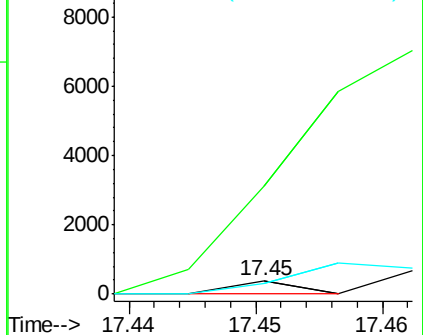
176 78.6 15.6 23.4#

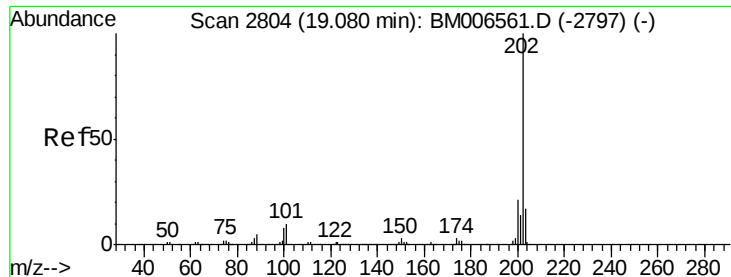


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 13.43 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

Instrument :

BNA_M

ClientSampleId :

DFTPP56

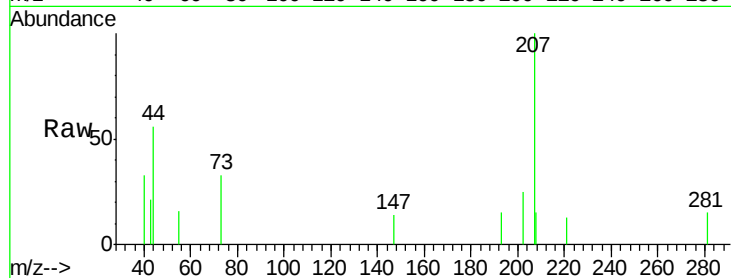
Tgt Ion:202 Resp: 644

Ion Ratio Lower Upper

202 100

101 0.0 8.9 13.3#

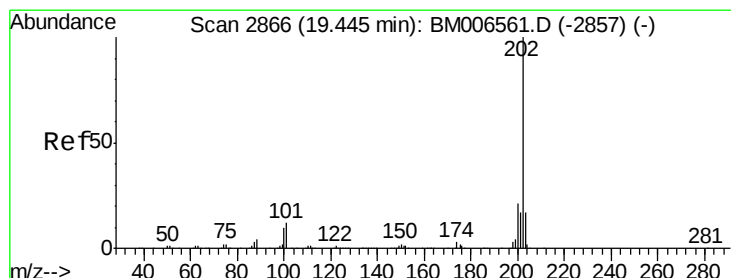
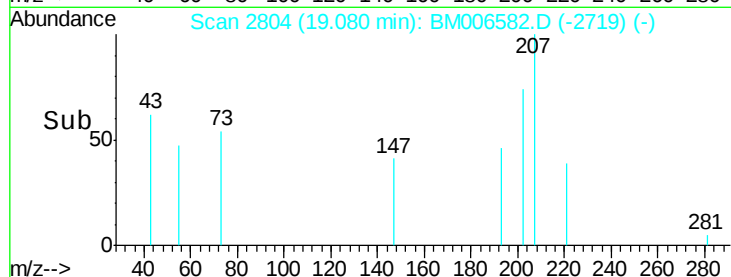
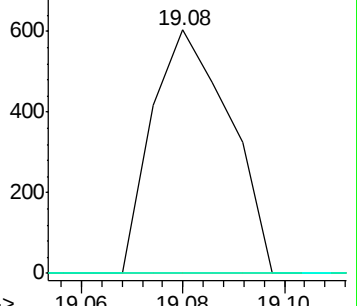
100 0.0 7.0 10.4#



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



#31

Pyrene

Concen: 2.97 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

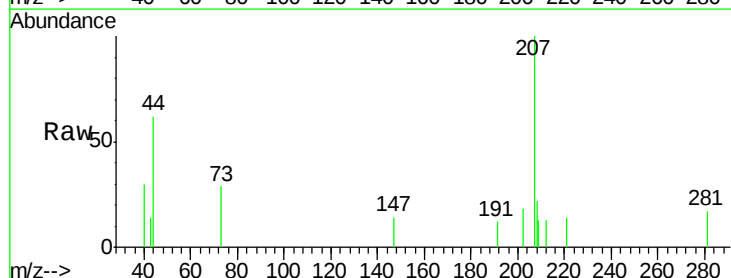
Tgt Ion:202 Resp: 688

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

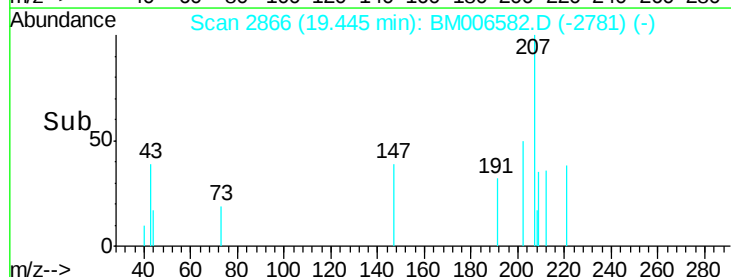
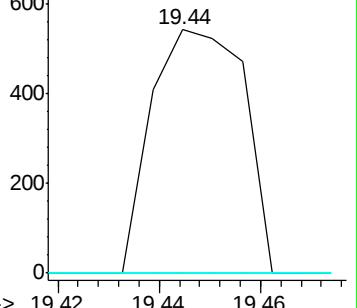
100 0.0 9.3 13.9#

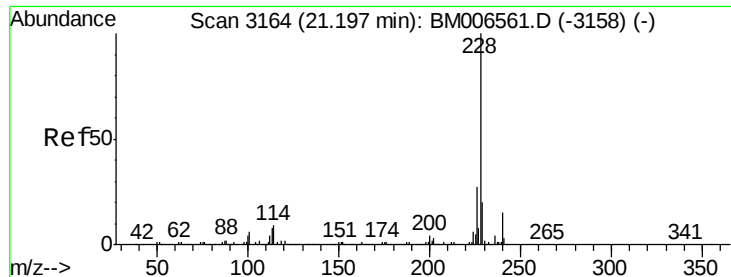


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 7.05 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

Instrument :

BNA_M

ClientSampleId :

DFTPP56

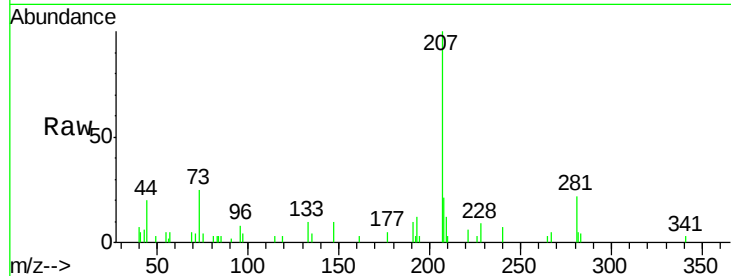
Tgt Ion:228 Resp: 1632

Ion Ratio Lower Upper

228 100

229 0.0 16.6 25.0#

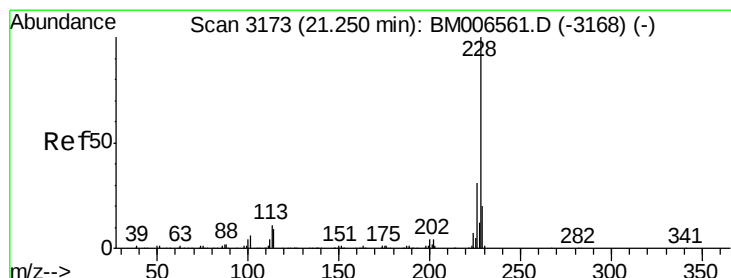
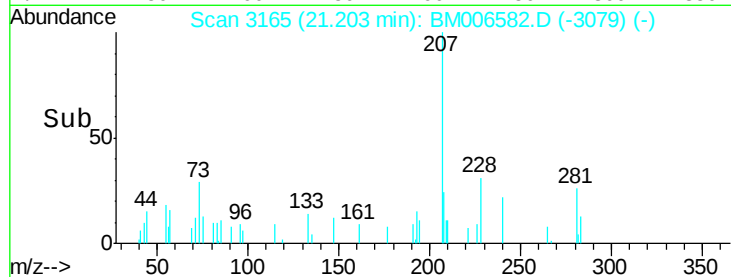
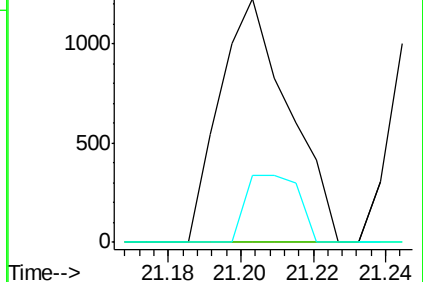
226 27.7 21.0 31.4



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



#33

Chrysene

Concen: 8.25 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

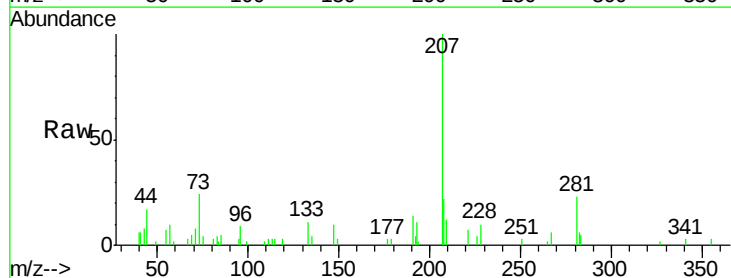
Tgt Ion:228 Resp: 1763

Ion Ratio Lower Upper

228 100

226 34.6 23.4 35.2

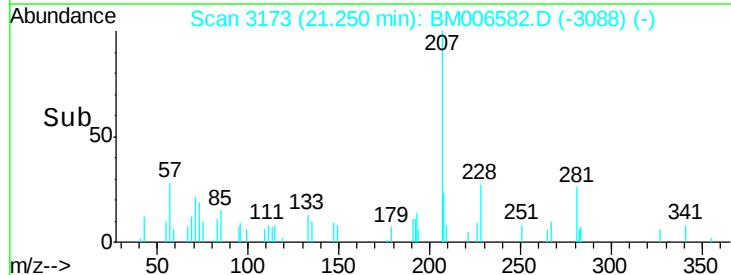
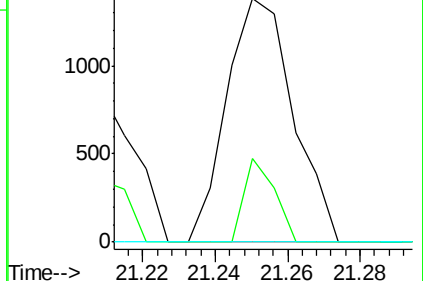
229 0.0 16.2 24.2#

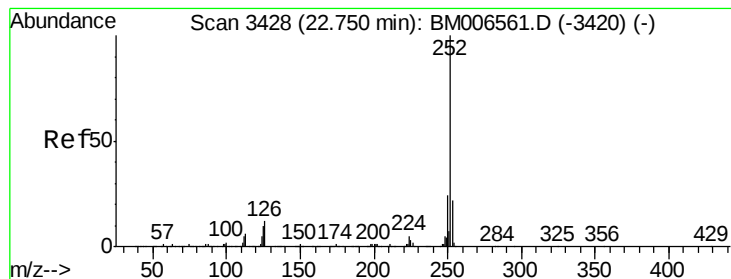


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 25.97 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.01 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

Instrument :

BNA_M

ClientSampleId :

DFTPP56

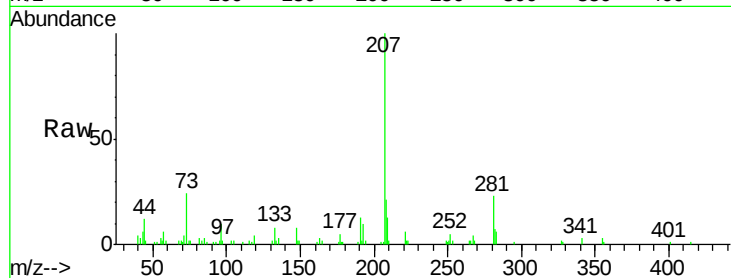
Tgt Ion:252 Resp: 2371

Ion Ratio Lower Upper

252 100

253 45.5 18.1 27.1#

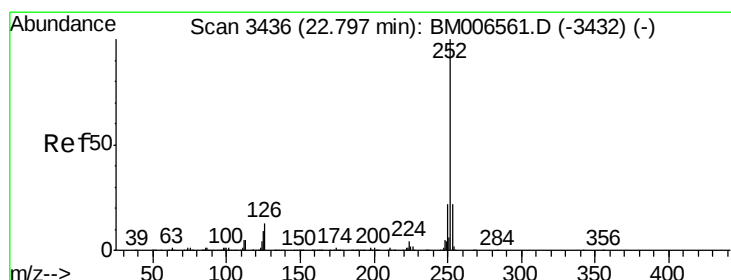
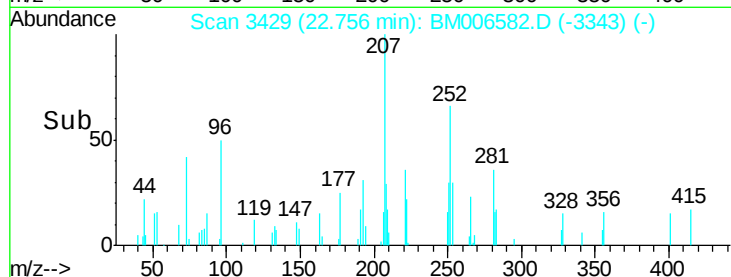
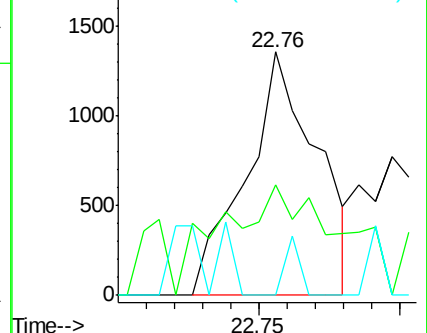
125 0.0 7.6 11.4#



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



#36

Benzo(k)fluoranthene

Concen: 1.52 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

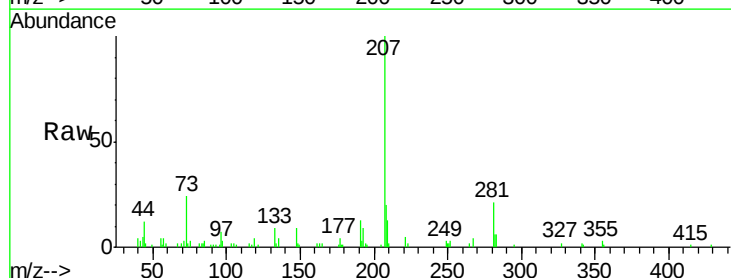
Tgt Ion:252 Resp: 134

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

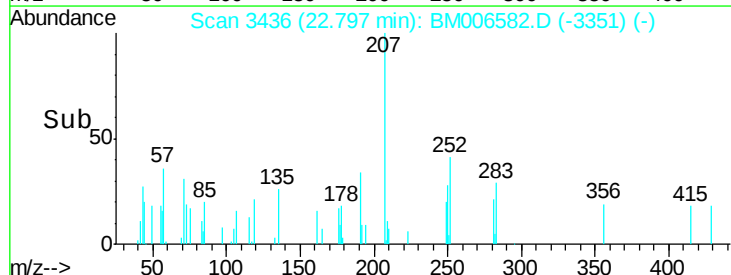
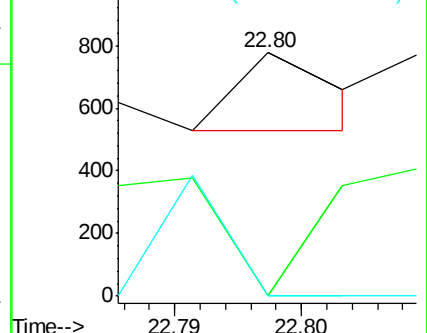
125 0.0 7.7 11.5#

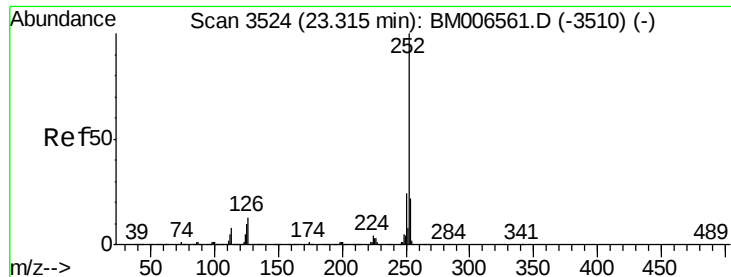


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 12.04 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.01 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

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DFTPP56

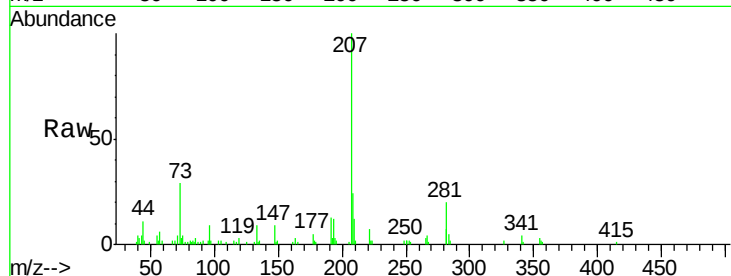
Tgt Ion:252 Resp: 1070

Ion Ratio Lower Upper

252 100

253 58.9 17.4 26.0#

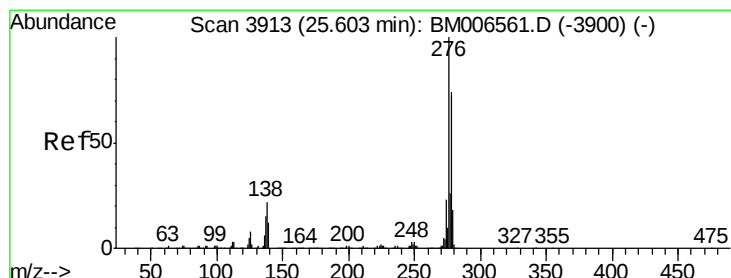
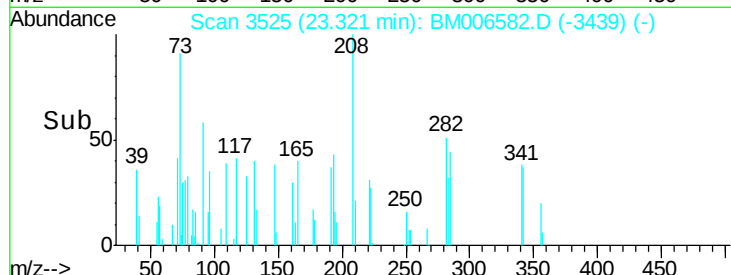
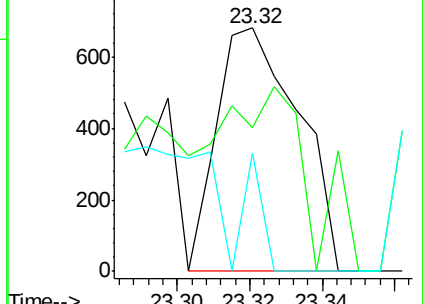
125 48.6 8.2 12.2#



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 8.19 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

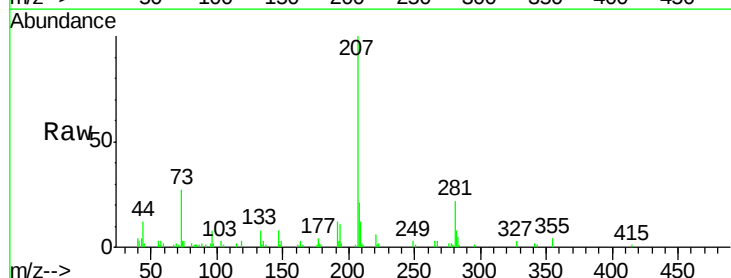
Tgt Ion:276 Resp: 843

Ion Ratio Lower Upper

276 100

138 0.0 15.8 23.6#

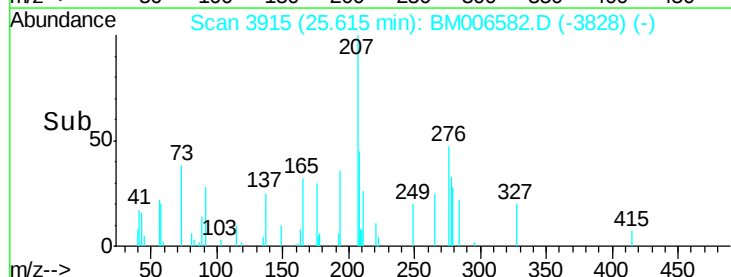
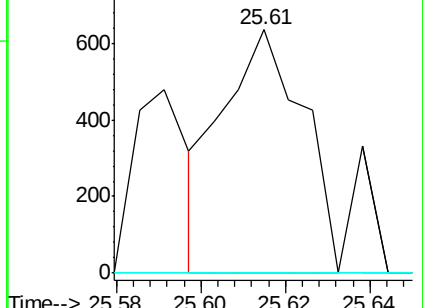
277 0.0 19.0 28.6#

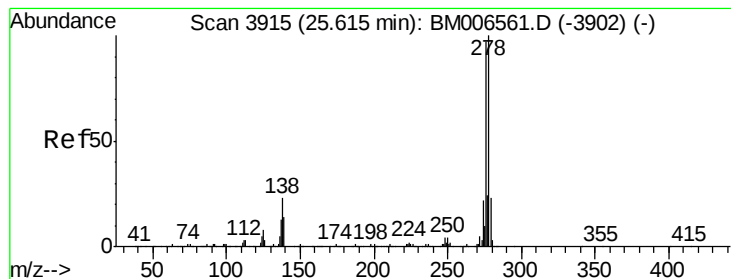


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.55 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

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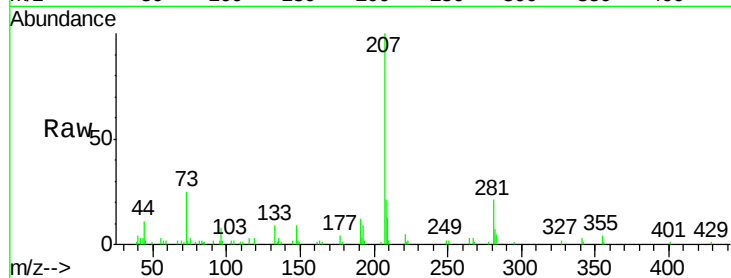
Tgt Ion: 278 Resp: 132

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

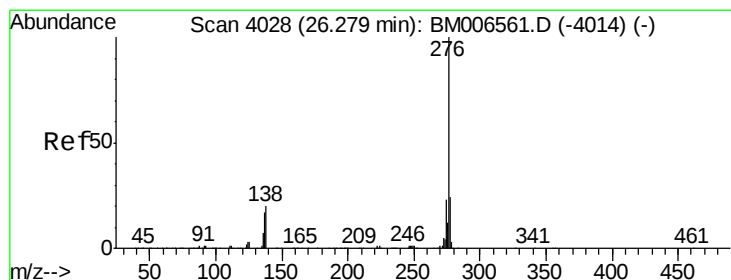
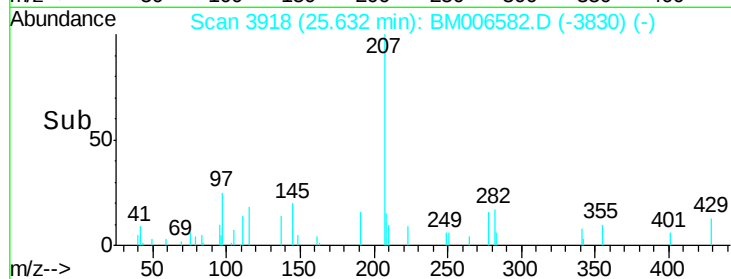
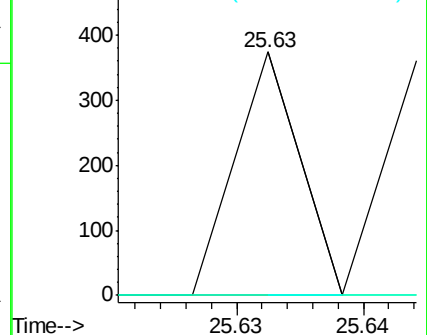
279 0.0 19.8 29.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 16.89 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM006582.D

Acq: 21 Jul 2016 08:25

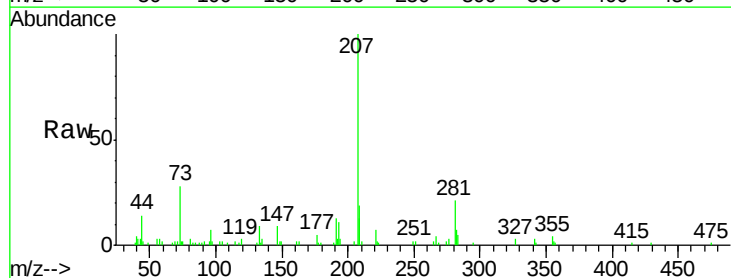
Tgt Ion: 276 Resp: 1490

Ion Ratio Lower Upper

276 100

138 0.0 13.9 20.9#

277 0.0 19.8 29.6#



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

