

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006614.D
 Acq On : 22 Jul 2016 07:57
 Operator : UM/SJ
 Sample : H4076-22
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ5

Quant Time: Jul 22 08:29:40 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	187184	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	809909	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	450243	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1001949	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1003149	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	871940	20.00	ng/ul	0.03

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5325	1.15	ng/uL	0.00
3) Phenol-d5	6.79	99	243945	15.32	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	157272	15.94	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	196396	15.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	138184	11.19	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	95928	15.65	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	104980	16.10	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	187299	15.20	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	131541	9.69	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	587681	16.65	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	770586	17.10	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	82366	13.43	ng/ul	0.02
21) Fluorene-d10	15.26	176	542030	17.17	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	36746	7.07	ng/ul	0.01
26) Anthracene-d10	17.12	188	805415	16.93	ng/ul	0.00
30) Pyrene-d10	19.42	212	901288	19.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	679580	16.94	ng/ul	0.02

Target Compounds

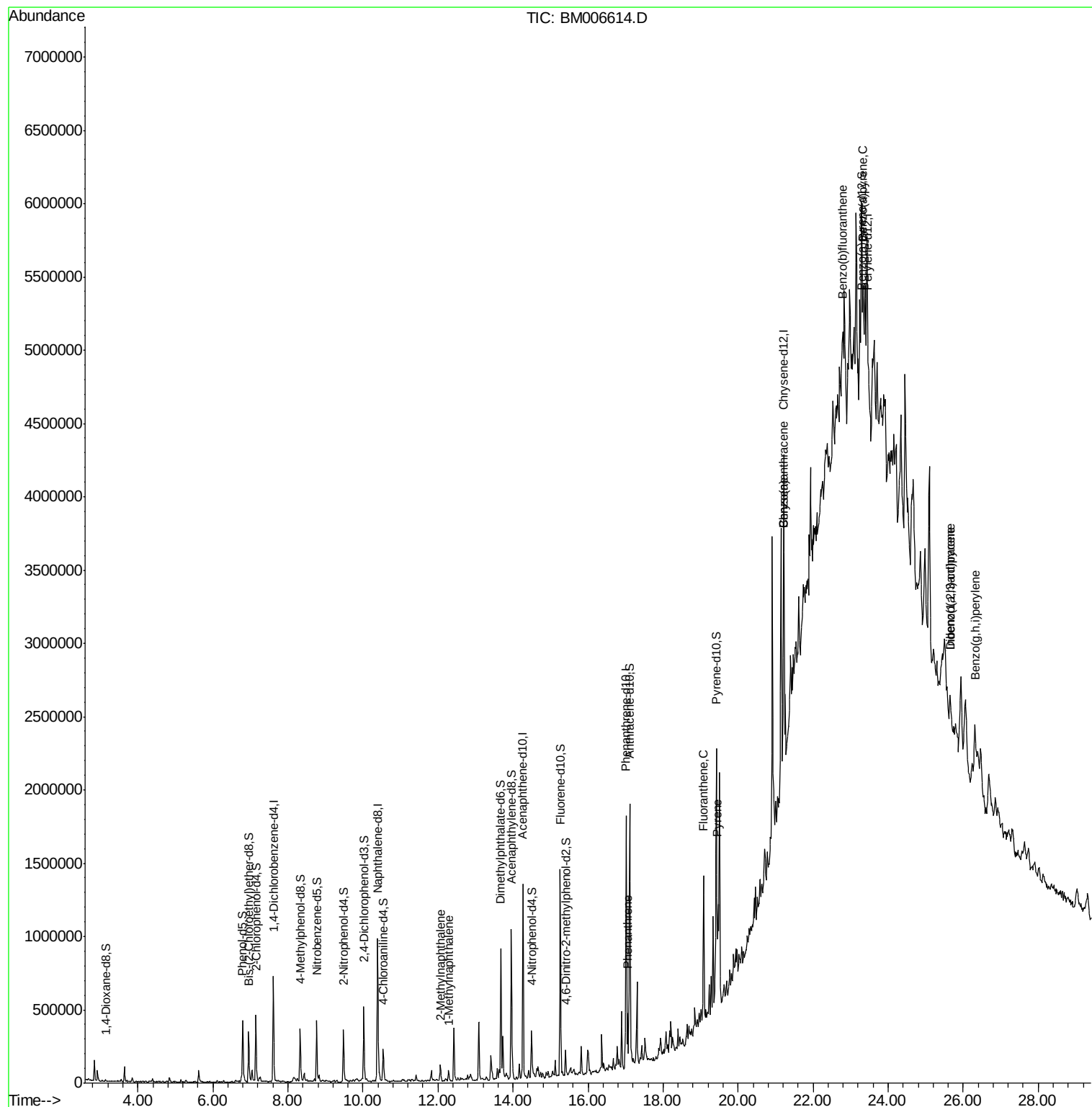
						Qvalue
13) 2-Methylnaphthalene	12.06	142	54725	1.79	ng/ul	99
14) 1-Methylnaphthalene	12.29	142	33994	1.16	ng/ul	89
25) Phenanthrene	17.06	178	200267	3.55	ng/ul	97
28) Fluoranthene	19.08	202	533462	8.06	ng/ul	98
31) Pyrene	19.45	202	477142	7.86	ng/ul	97
32) Benzo(a)anthracene	21.20	228	262742	4.32	ng/ul	93
33) Chrysene	21.20	228	262887	4.69	ng/ul	96
35) Benzo(b)fluoranthene	22.77	252	359669	6.88	ng/ul#	72
38) Benzo(a)pyrene	23.34	252	223375	4.39	ng/ul#	76
39) Indeno(1,2,3-cd)pyrene	25.65	276	207838	3.53	ng/ul#	90
40) Dibenzo(a,h)anthracene	25.65	278	59633	1.22	ng/ul#	59
41) Benzo(g,h,i)perylene	26.32	276	195967	3.88	ng/ul#	90

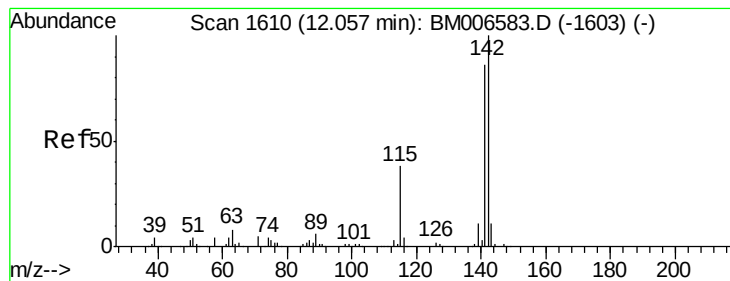
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

2-Methylnaphthalene

Concen: 1.79 ng/ul

RT: 12.06 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

Instrument :

BNA_M

ClientSampleId :

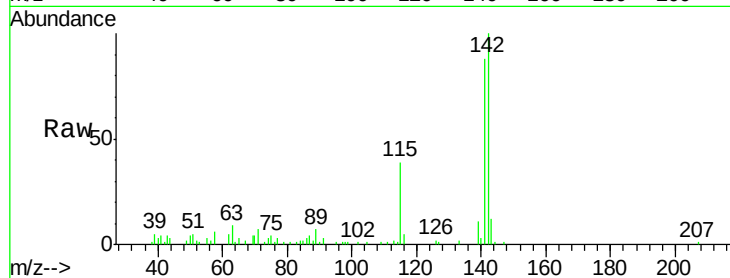
D9YQ5

Tgt Ion:142 Resp: 54725

Ion Ratio Lower Upper

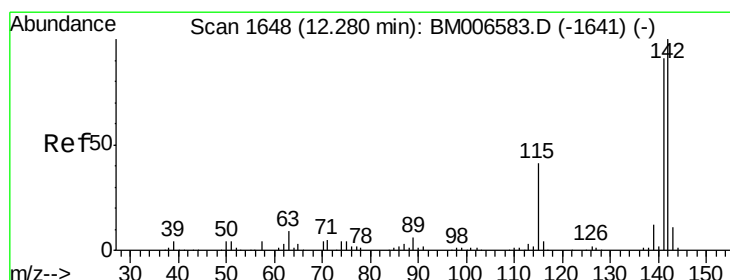
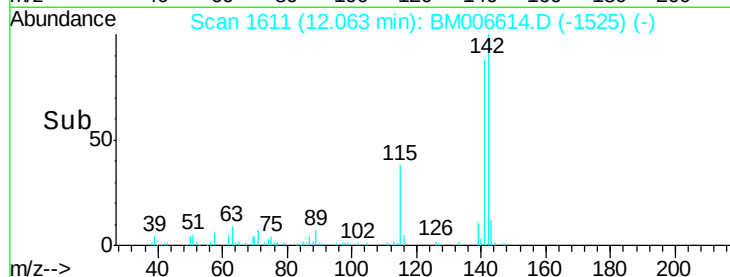
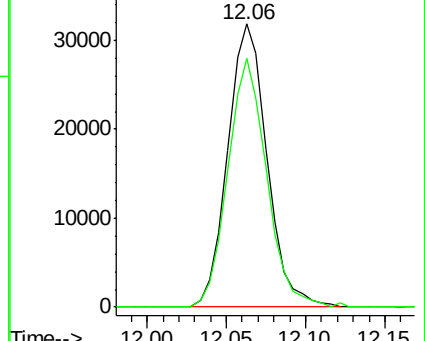
142 100

141 87.9 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#14

1-Methylnaphthalene

Concen: 1.16 ng/ul

RT: 12.29 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

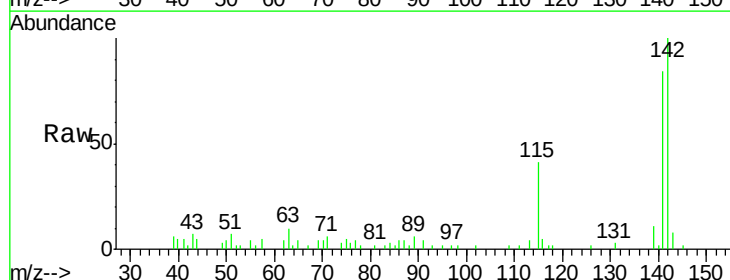
Tgt Ion:142 Resp: 33994

Ion Ratio Lower Upper

142 100

141 84.4 77.0 115.4

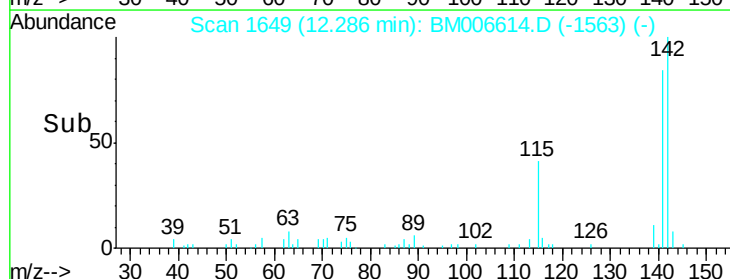
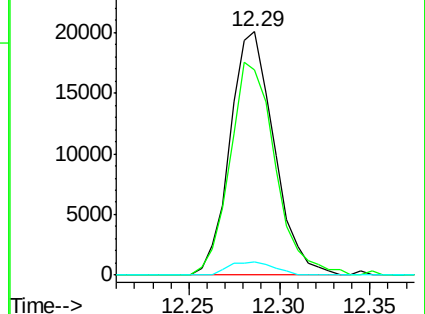
116 5.2 4.2 6.4

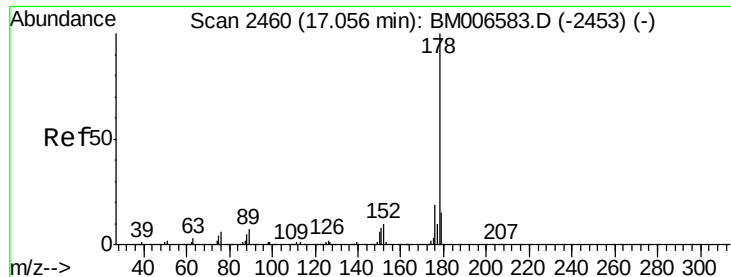


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#25

Phenanthrene

Concen: 3.55 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

Instrument :

BNA_M

ClientSampleId :

D9YQ5

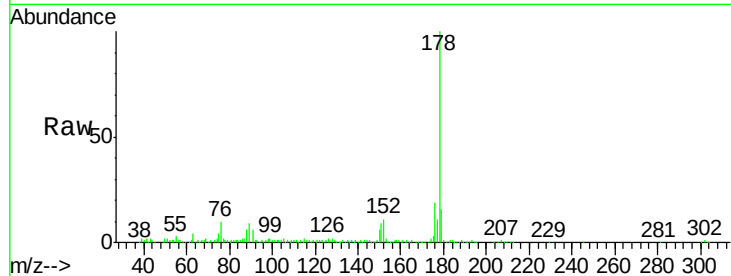
Tgt Ion:178 Resp: 200267

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.8

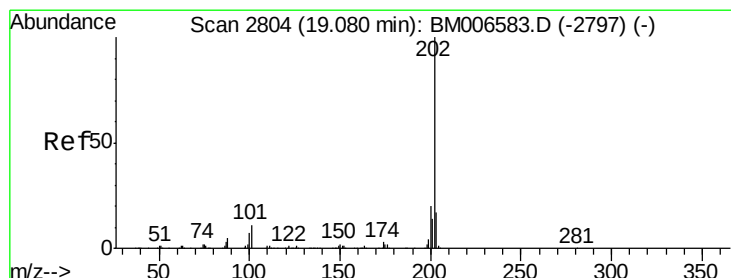
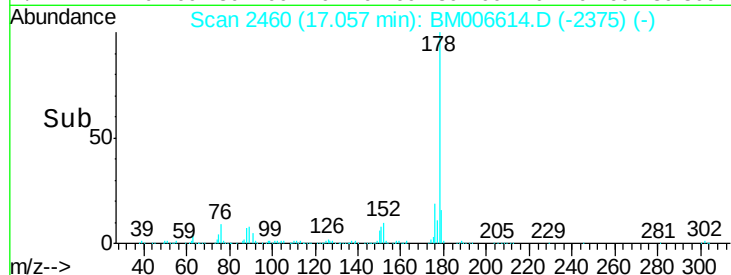
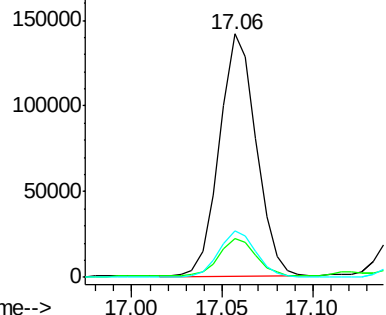
176 19.4 14.8 22.2



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



#28

Fluoranthene

Concen: 8.06 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

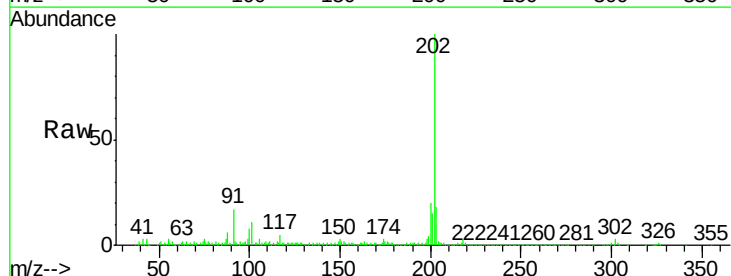
Tgt Ion:202 Resp: 533462

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

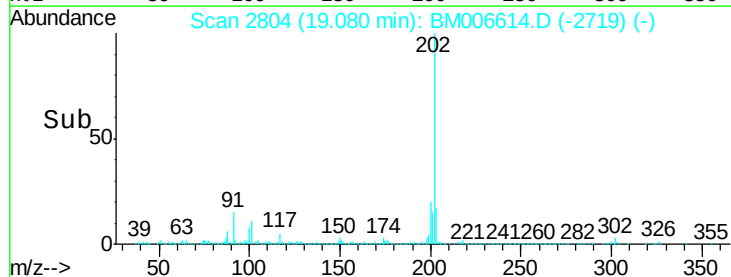
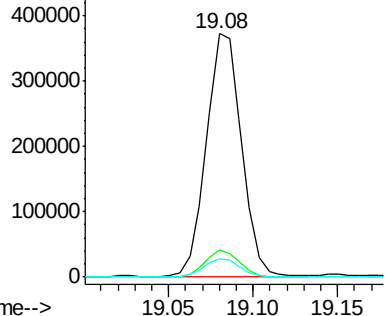
100 7.6 7.0 10.4

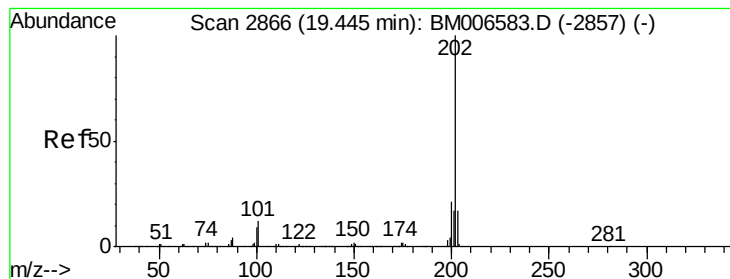


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 7.86 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

Instrument :

BNA_M

ClientSampleId :

D9YQ5

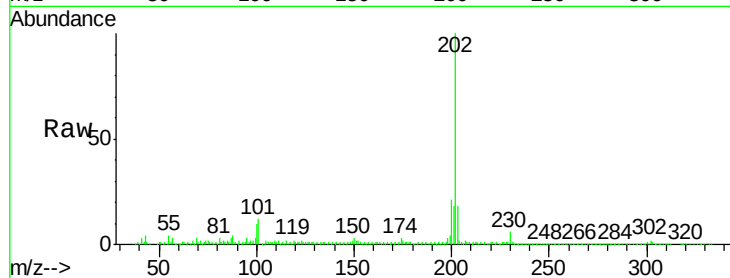
Tgt Ion:202 Resp: 477142

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

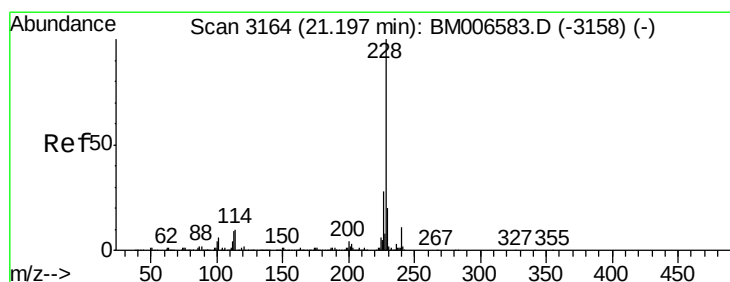
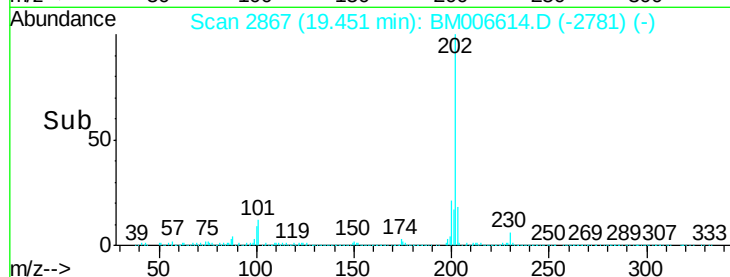
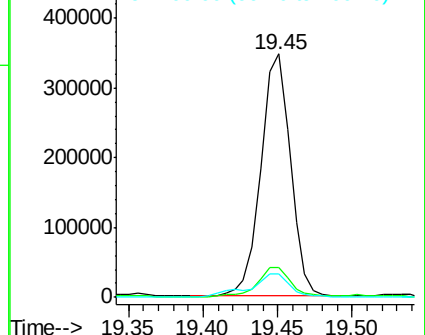
100 9.5 9.3 13.9



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: 4.32 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

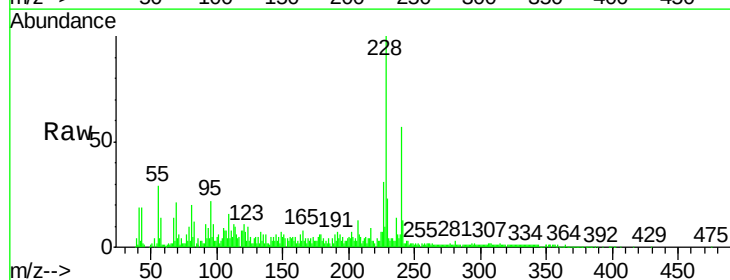
Tgt Ion:228 Resp: 262742

Ion Ratio Lower Upper

228 100

229 22.9 16.6 25.0

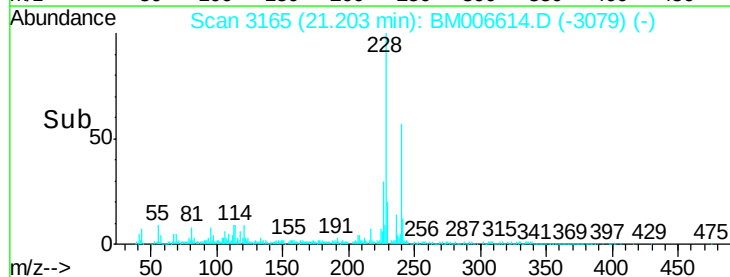
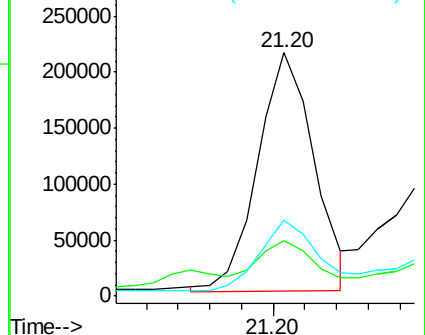
226 31.1 21.0 31.4

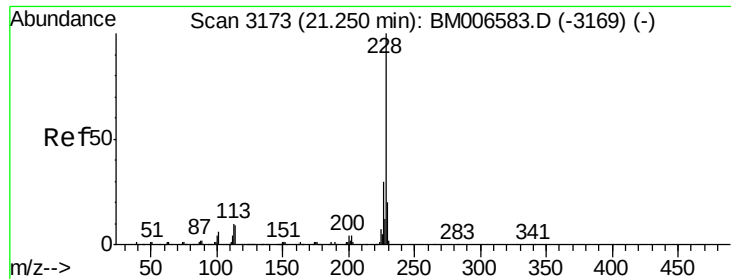


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.69 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. -0.05 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

Instrument :

BNA_M

ClientSampleId :

D9YQ5

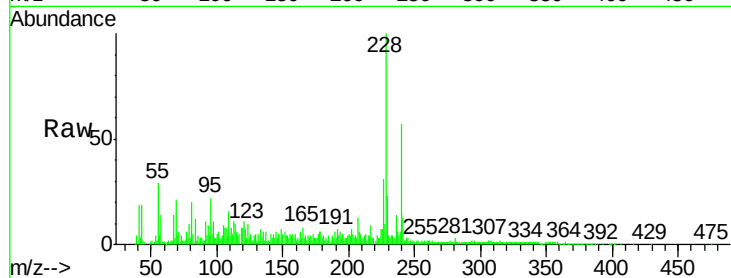
Tgt Ion:228 Resp: 262887

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.2

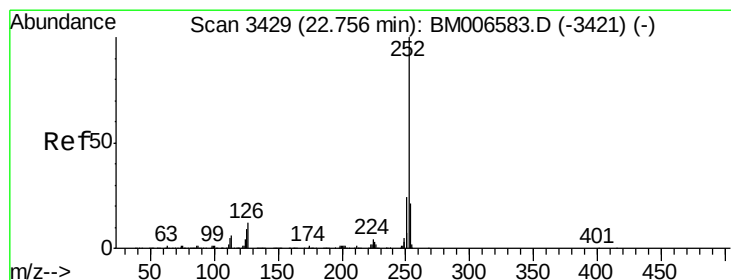
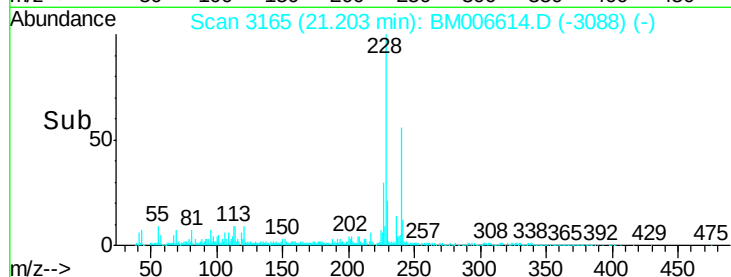
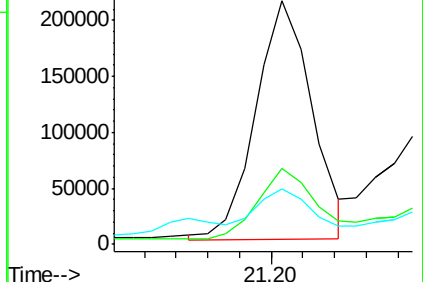
229 22.9 16.2 24.2



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: 6.88 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

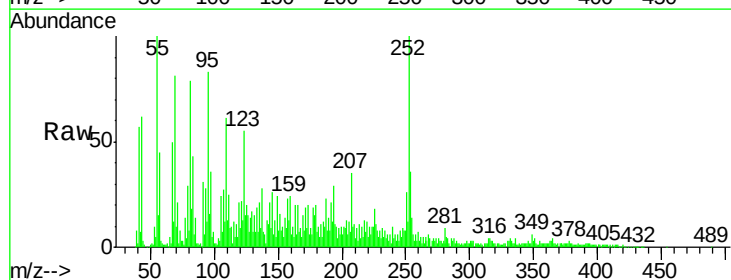
Tgt Ion:252 Resp: 359669

Ion Ratio Lower Upper

252 100

253 35.7 18.1 27.1#

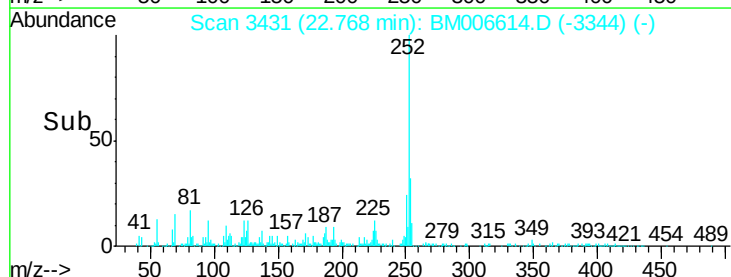
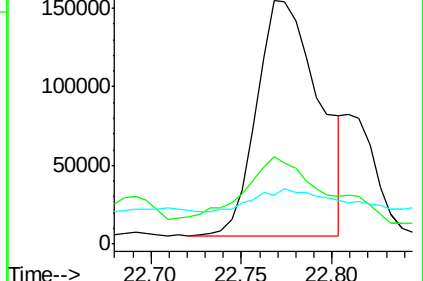
125 20.1 7.6 11.4#

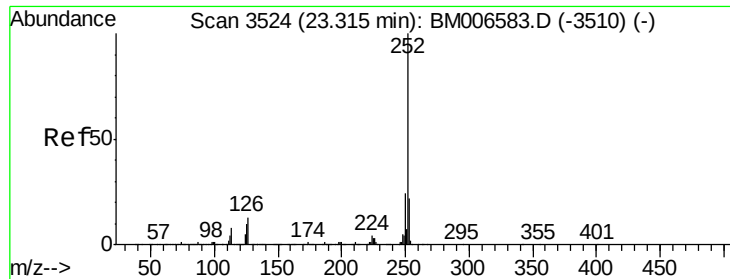


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.39 ng/ul

RT: 23.34 min Scan# 3528

Delta R.T. 0.02 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

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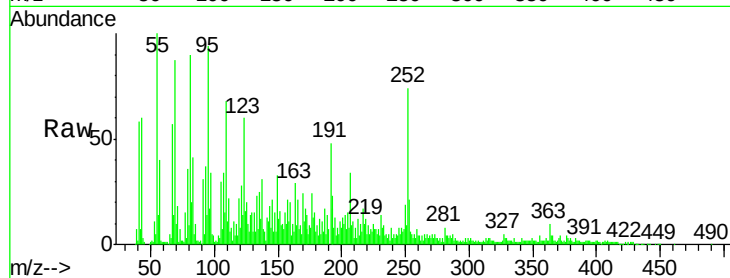
Tgt Ion:252 Resp: 223375

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.0#

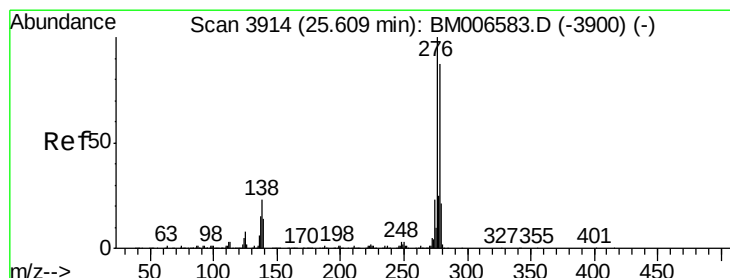
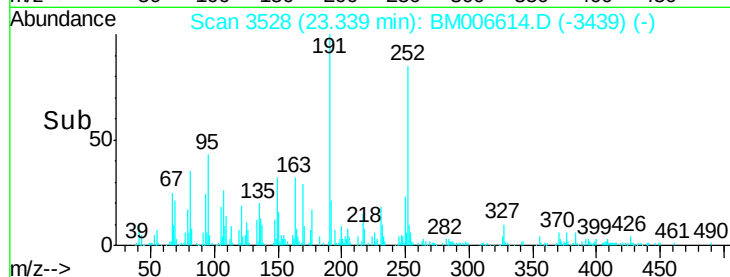
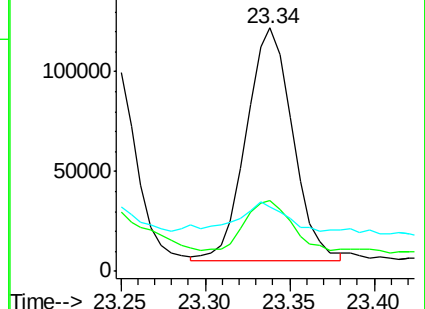
125 26.6 8.2 12.2#



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: 3.53 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.04 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

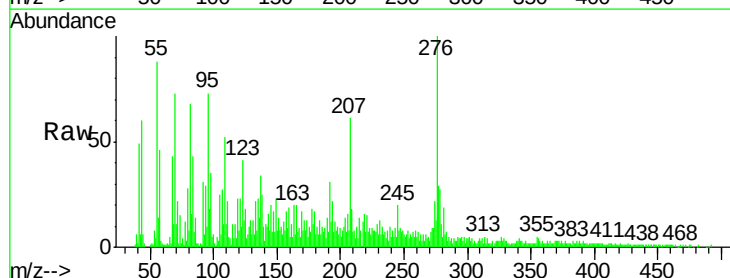
Tgt Ion:276 Resp: 207838

Ion Ratio Lower Upper

276 100

138 24.6 15.8 23.6#

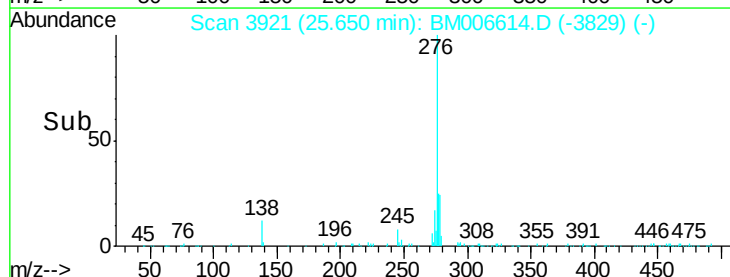
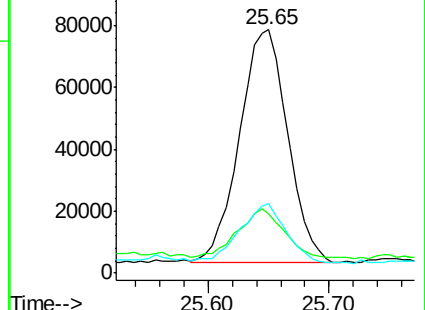
277 28.6 19.0 28.6

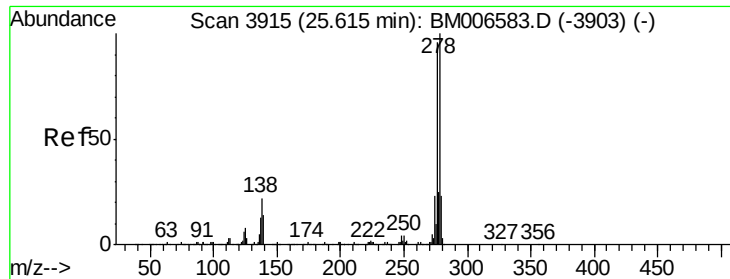


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.22 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.04 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

Instrument :

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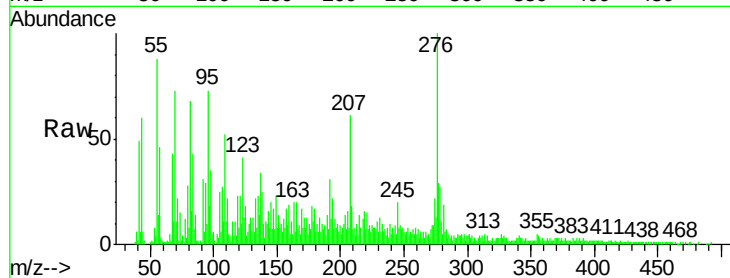
Tgt Ion:278 Resp: 59633

Ion Ratio Lower Upper

278 100

139 39.0 12.1 18.1#

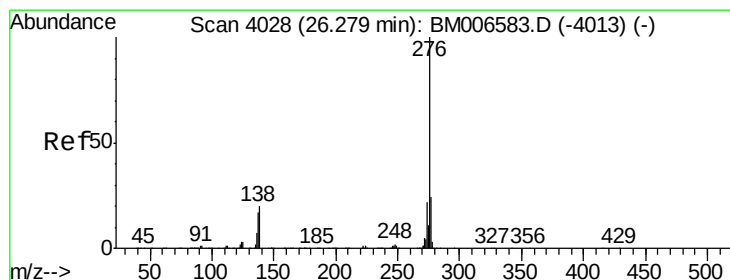
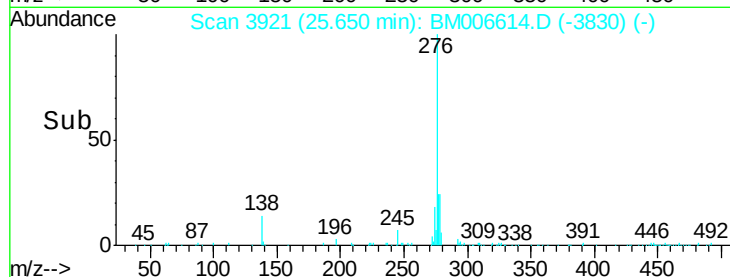
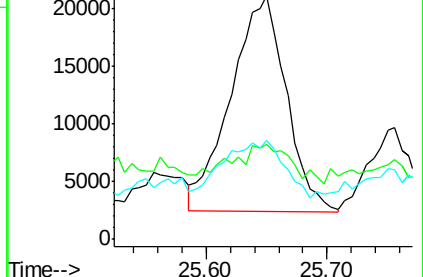
279 40.5 19.8 29.8#



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: 3.88 ng/ul

RT: 26.32 min Scan# 4035

Delta R.T. 0.04 min

Lab File: BM006614.D

Acq: 22 Jul 2016 07:57

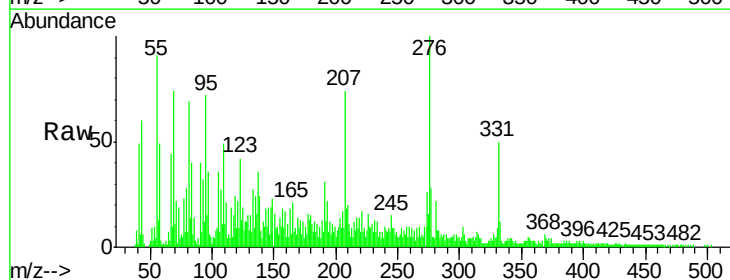
Tgt Ion:276 Resp: 195967

Ion Ratio Lower Upper

276 100

138 24.3 13.9 20.9#

277 27.9 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

