

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006600.D
 Acq On : 21 Jul 2016 22:50
 Operator : UM/SJ
 Sample : H4077-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT3

Quant Time: Jul 22 01:57:36 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	7.61	152	142697	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	658384	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	389785	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	888596	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1025945	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1071700	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	4325	1.23	ng/uL	0.00
3) Phenol-d5	6.79	99	161163	13.28	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	110681	14.72	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	133926	13.81	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	115428	12.26	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	65772	13.20	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	70568	13.32	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	128988	12.88	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	165261	14.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	430220	14.08	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	530502	13.60	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	40688	7.67	ng/ul	0.00
21) Fluorene-d10	15.26	176	384726	14.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	38287	8.30	ng/ul	0.00
26) Anthracene-d10	17.11	188	587368	13.92	ng/ul	0.00
30) Pyrene-d10	19.42	212	693153	14.83	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	719043	14.59	ng/ul	0.00

Target Compounds

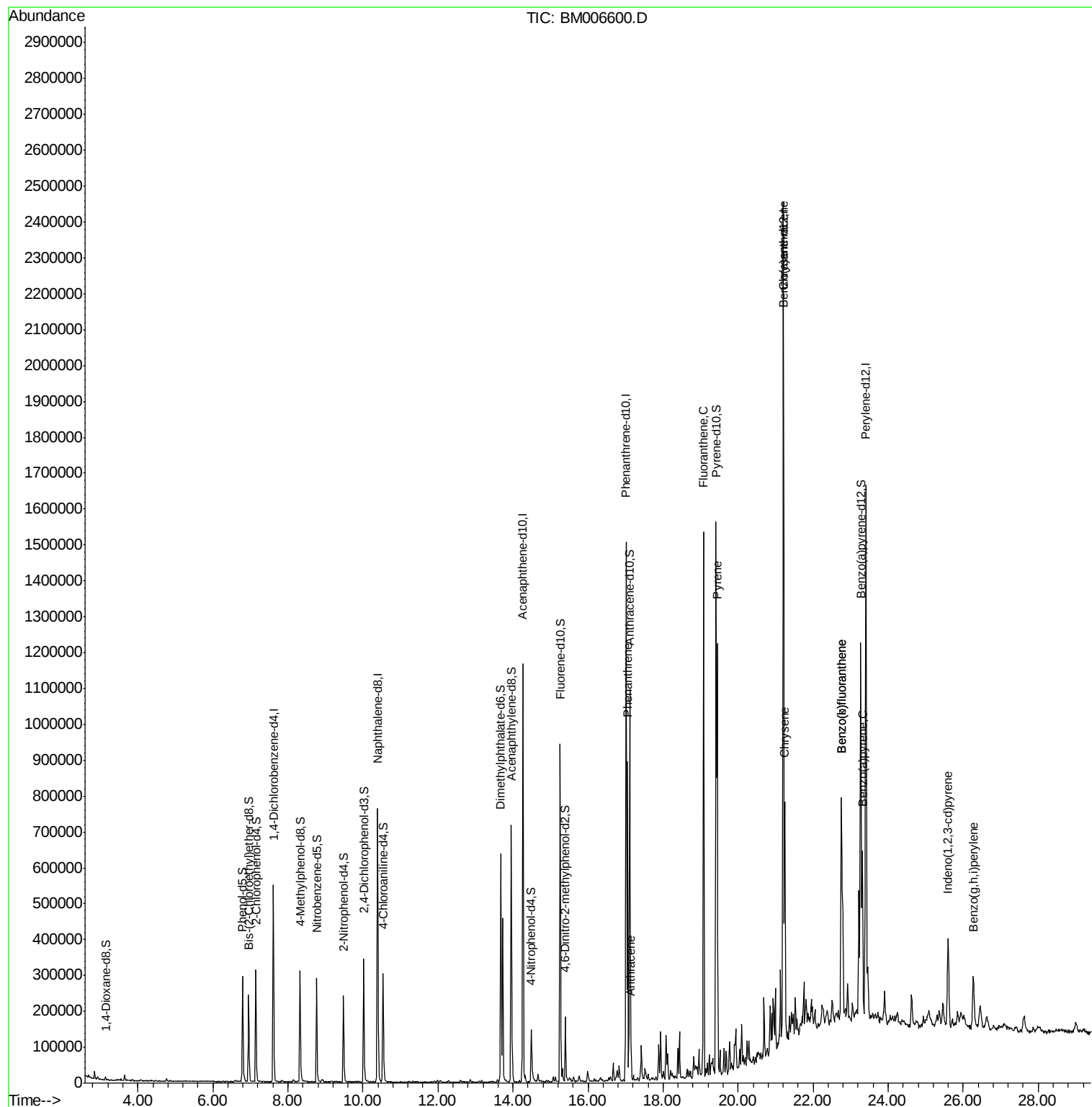
						Qvalue
25) Phenanthrene	17.06	178	525010	10.51	ng/ul	99
27) Anthracene	17.14	178	66714	1.30	ng/ul	99
28) Fluoranthene	19.08	202	896229	15.27	ng/ul	97
31) Pyrene	19.44	202	728737	11.73	ng/ul#	97
32) Benzo(a)anthracene	21.20	228	332113	5.34	ng/ul	97
33) Chrysene	21.24	228	382649	6.67	ng/ul	98
35) Benzo(b)fluoranthene	22.75	252	560863	8.73	ng/ul	100
36) Benzo(k)fluoranthene	22.75	252	560863	9.03	ng/ul	100
38) Benzo(a)pyrene	23.31	252	328034	5.25	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.60	276	234010	3.23	ng/ul	99
41) Benzo(g,h,i)perylene	26.27	276	183830	2.96	ng/ul	96

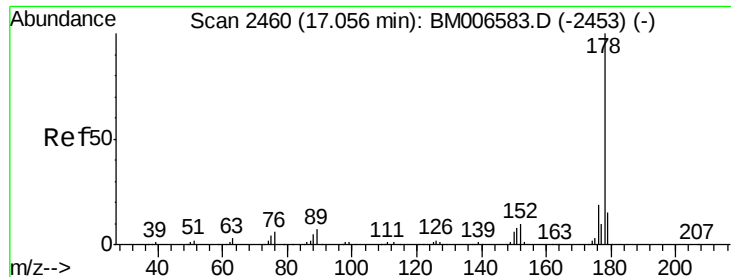
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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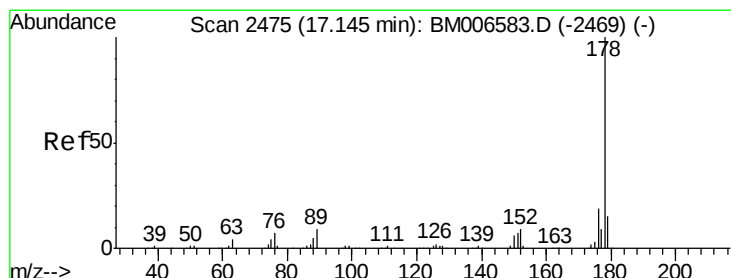
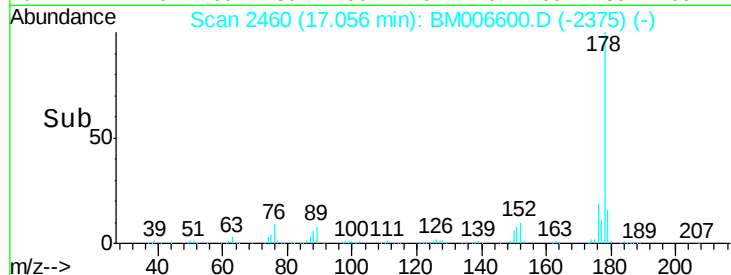
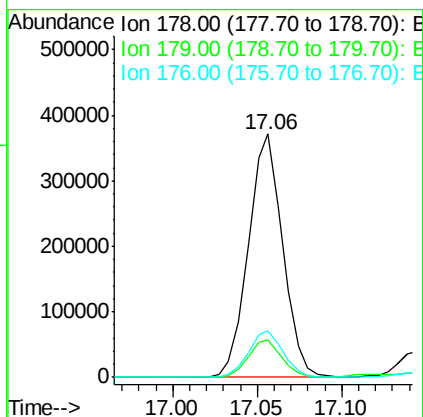
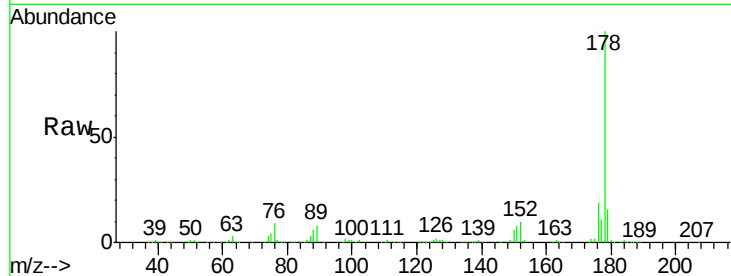




#25
Phenanthrene
Concen: 10.51 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. 0.00 min
Lab File: BM006600.D
Acq: 21 Jul 2016 22:50

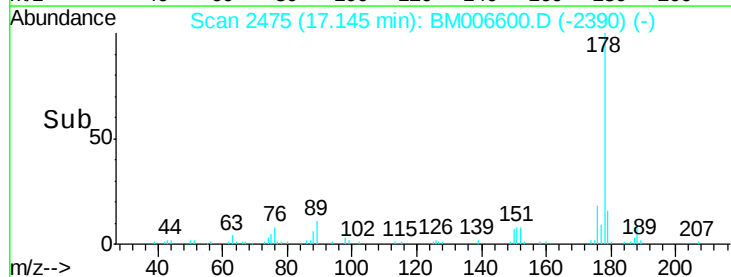
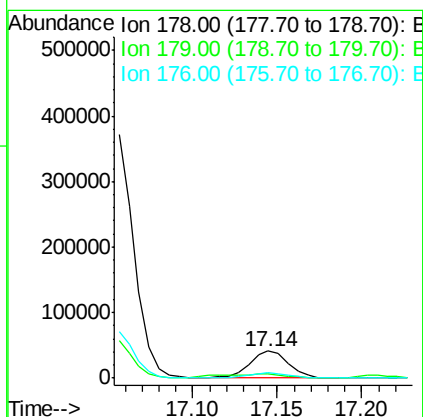
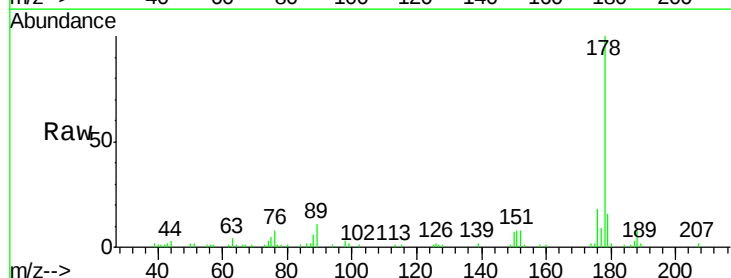
Instrument :
BNA_M
ClientSampleId :
D9YT3

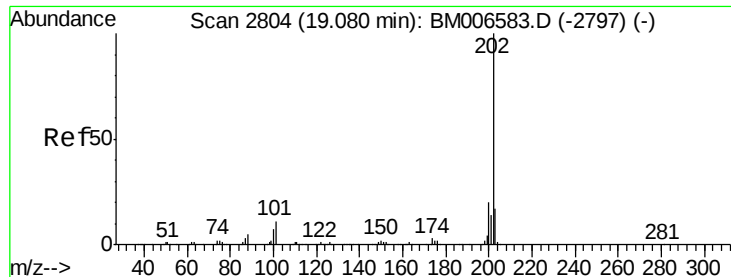
Tgt Ion:178 Resp: 525010
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 18.9 14.8 22.2



#27
Anthracene
Concen: 1.30 ng/ul
RT: 17.14 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BM006600.D
Acq: 21 Jul 2016 22:50

Tgt Ion:178 Resp: 66714
Ion Ratio Lower Upper
178 100
179 16.0 12.9 19.3
176 18.5 15.6 23.4





#28

Fluoranthene

Concen: 15.27 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

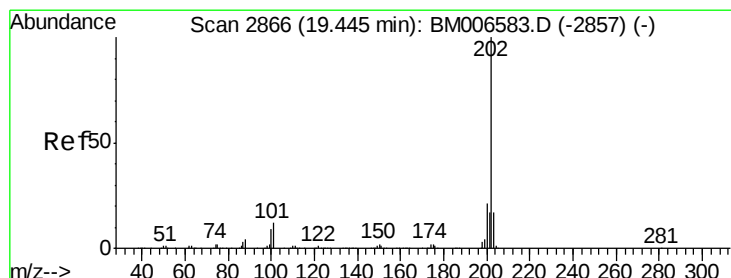
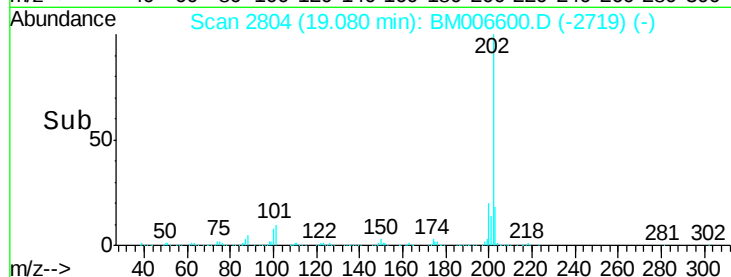
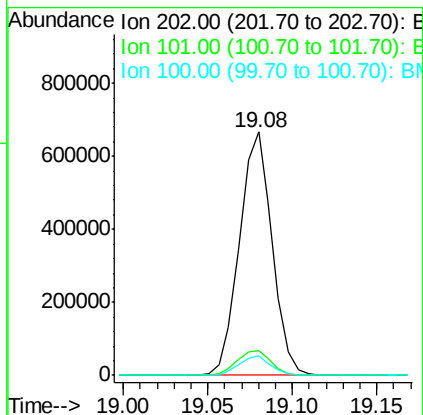
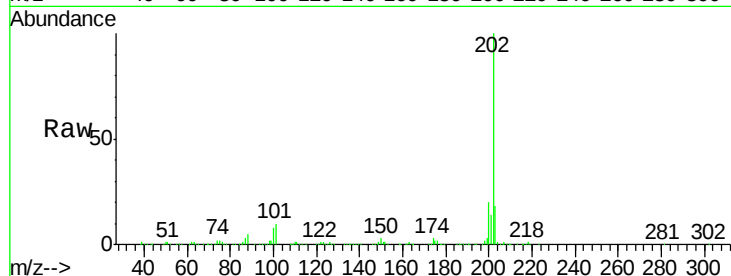
Instrument :

BNA_M

ClientSampleId :

D9YT3

Tgt Ion:	202	Resp:	896229
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.9	13.3
100	7.8	7.0	10.4



#31

Pyrene

Concen: 11.73 ng/ul

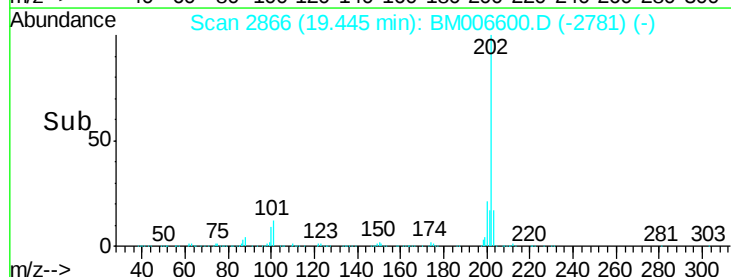
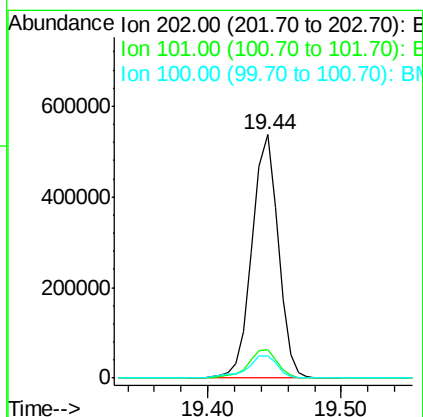
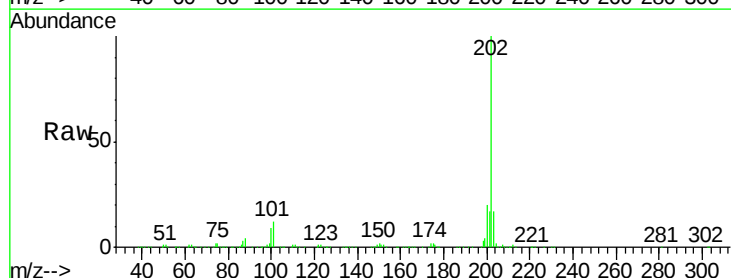
RT: 19.44 min Scan# 2866

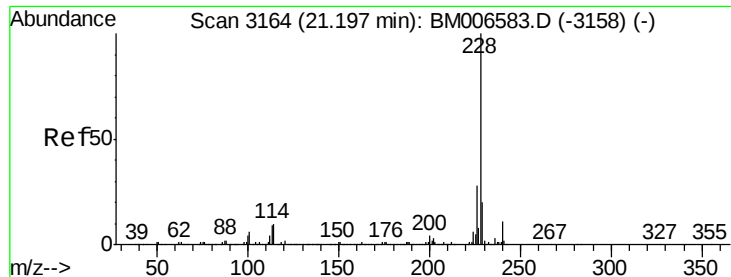
Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Tgt Ion:	202	Resp:	728737
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.8	14.8
100	9.2	9.3	13.9#





#32

Benzo(a)anthracene

Concen: 5.34 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Instrument :

BNA_M

ClientSampleId :

D9YT3

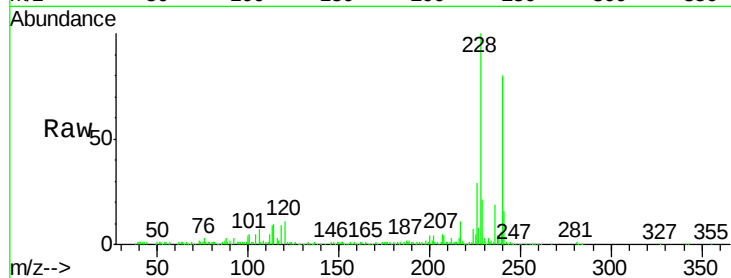
Tgt Ion:228 Resp: 332113

Ion Ratio Lower Upper

228 100

229 20.8 16.6 25.0

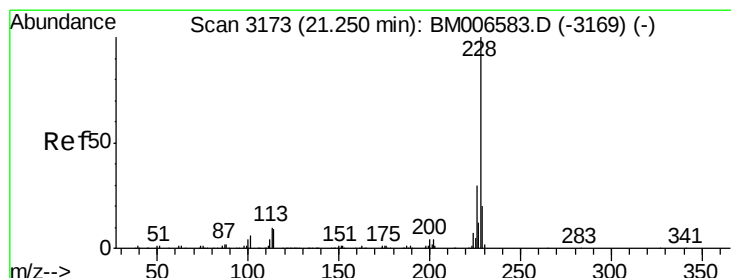
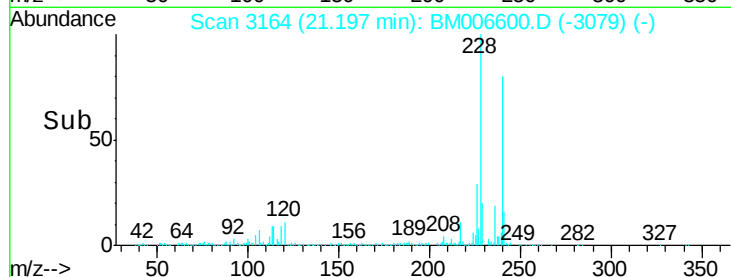
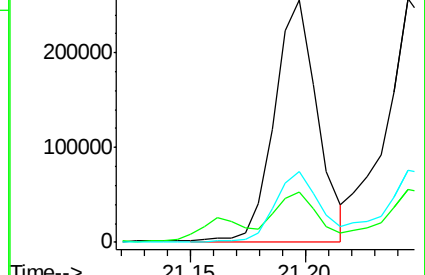
226 29.3 21.0 31.4



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: 6.67 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

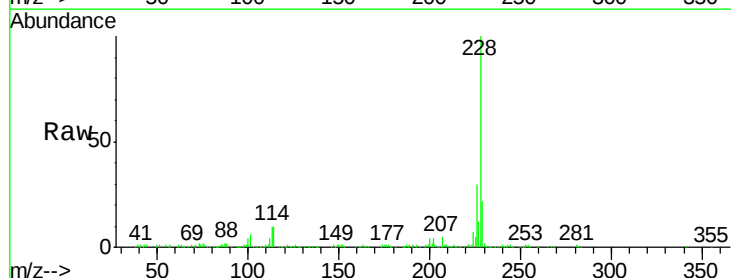
Tgt Ion:228 Resp: 382649

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

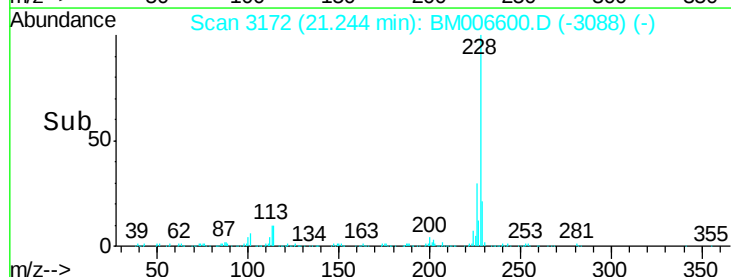
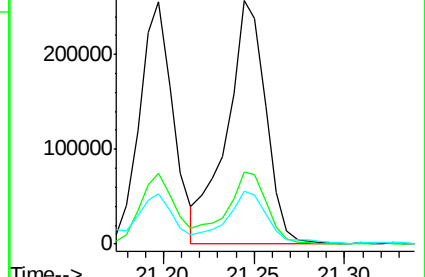
229 21.6 16.2 24.2

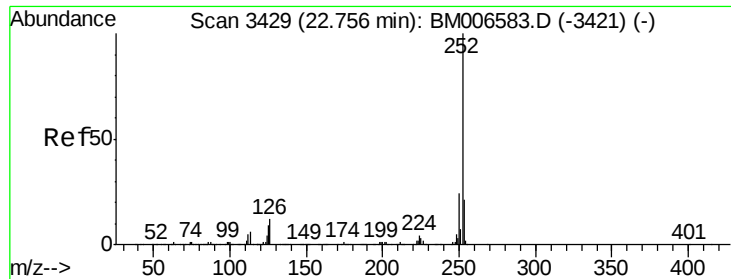


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 8.73 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

Instrument :

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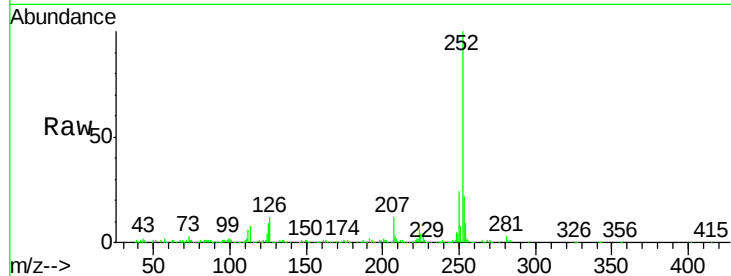
Tgt Ion:252 Resp: 560863

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

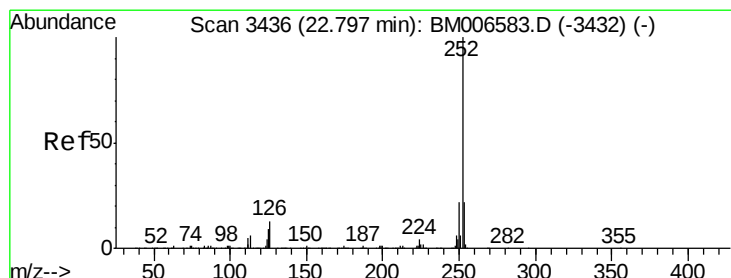
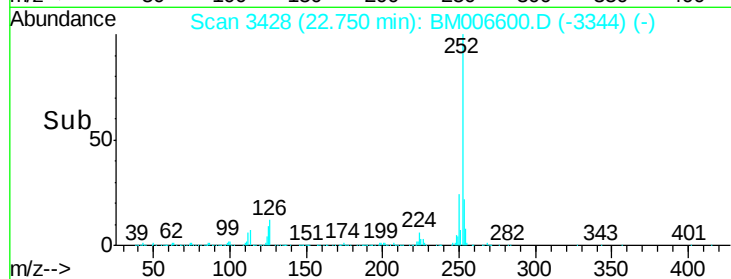
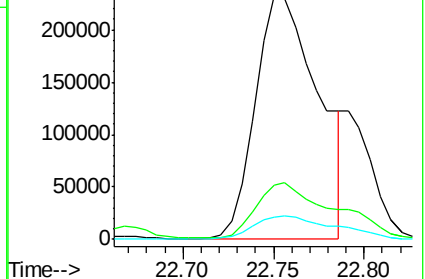
125 9.2 7.6 11.4



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: 9.03 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.05 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

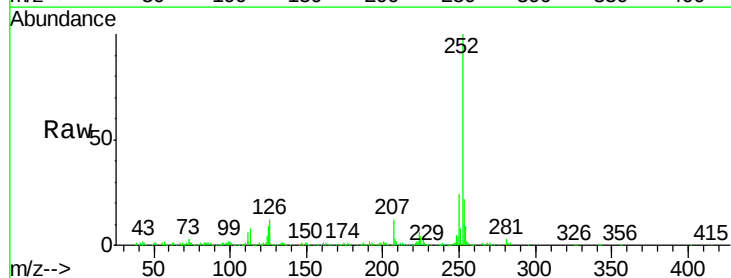
Tgt Ion:252 Resp: 560863

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

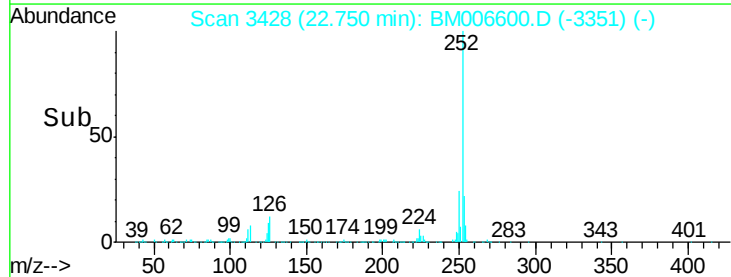
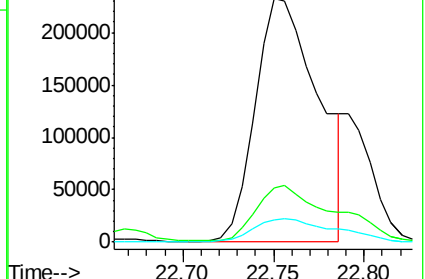
125 9.2 7.7 11.5

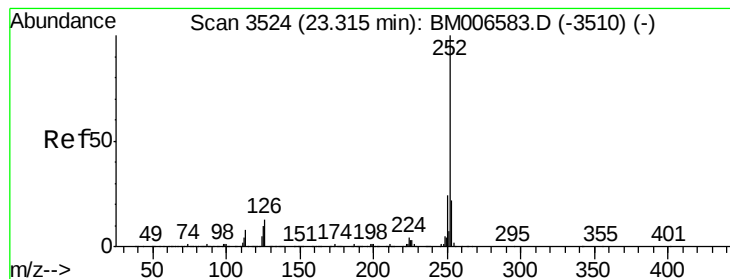


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.25 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

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ClientSampleId :

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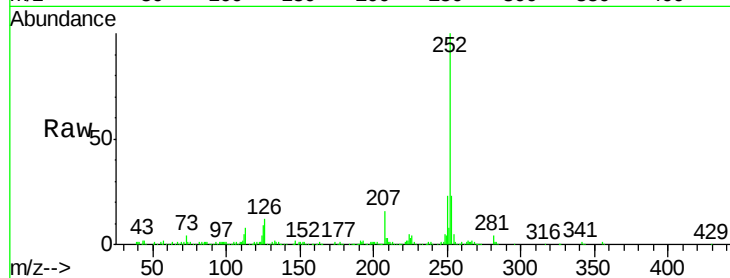
Tgt Ion:252 Resp: 328034

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

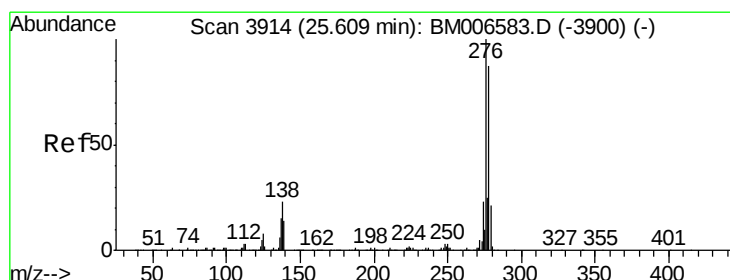
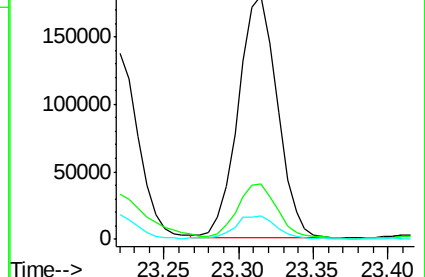
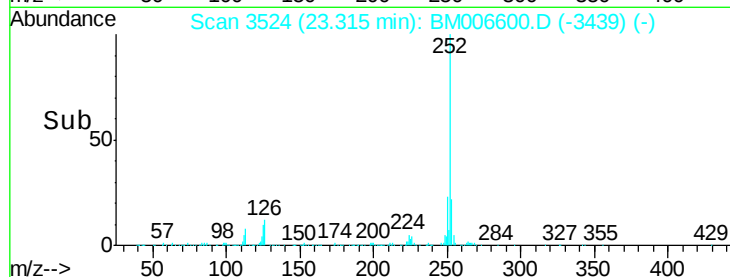
125 9.5 8.2 12.2



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: 3.23 ng/ul

RT: 25.60 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM006600.D

Acq: 21 Jul 2016 22:50

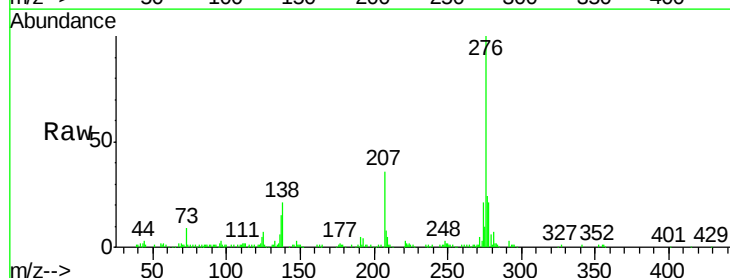
Tgt Ion:276 Resp: 234010

Ion Ratio Lower Upper

276 100

138 20.7 15.8 23.6

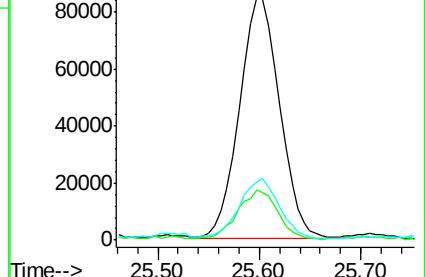
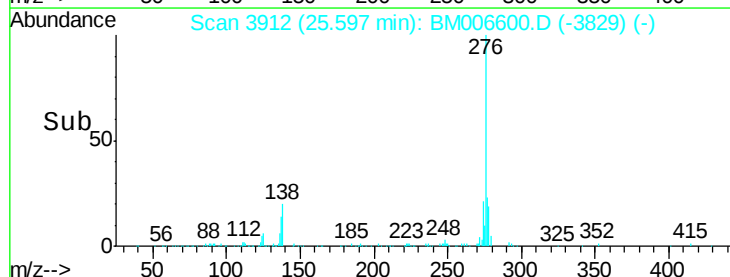
277 24.1 19.0 28.6

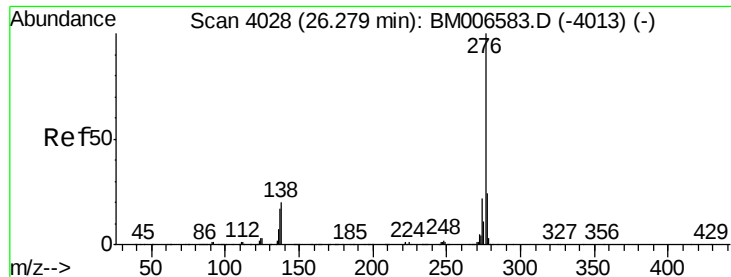


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 2.96 ng/ul

RT: 26.27 min Scan# 4027

Delta R.T. -0.01 min

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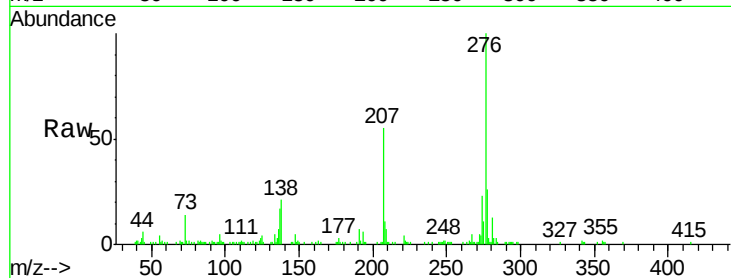
Tgt Ion:276 Resp: 183830

Ion Ratio Lower Upper

276 100

138 20.8 13.9 20.9

277 25.7 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

