

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006971.D
 Acq On : 07 Aug 2016 11:41
 Operator : UM/SJ
 Sample : H4302-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0G6

Quant Time: Aug 08 03:55:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	188345	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	911143	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	599009	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1436771	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1459926	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1091348	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.09	96	7016	1.70	ng/uL	0.00
3) Phenol-d5	6.76	99	339883	19.03	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	255127	22.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	286185	22.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	237410	15.93	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	155863	23.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	187318	23.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	328768	21.40	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	362262	19.75	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1254254	23.79	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1498081	24.57	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	95145	12.44	ng/ul	0.02
21) Fluorene-d10	15.21	176	1107666	24.72	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	145601	24.54	ng/ul	0.00
26) Anthracene-d10	17.06	188	1710529	24.64	ng/ul	0.00
30) Pyrene-d10	19.37	212	2057811	29.57	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1353916	26.05	ng/ul	0.00

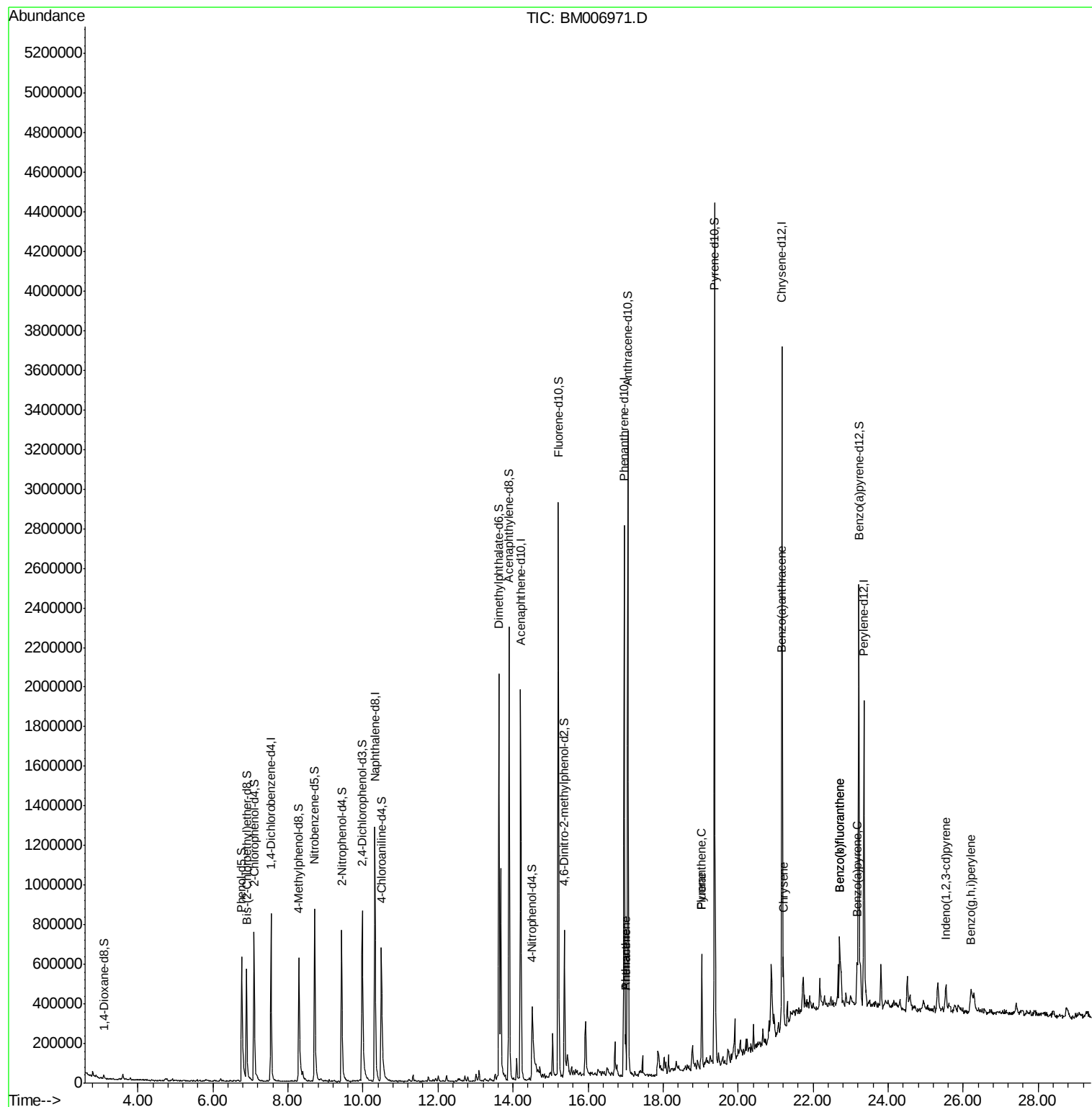
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.00	178	100363	1.25	ng/ul	98
27) Anthracene	17.00	178	100363	1.19	ng/ul	99
28) Fluoranthene	19.03	202	301074	3.08	ng/ul#	97
31) Pyrene	19.03	202	300534	3.31	ng/ul	99
32) Benzo(a)anthracene	21.16	228	219328	2.53	ng/ul	97
33) Chrysene	21.21	228	204892	2.69	ng/ul	99
35) Benzo(b)fluoranthene	22.71	252	303567	4.26	ng/ul	98
36) Benzo(k)fluoranthene	22.71	252	303567	4.41	ng/ul	97
38) Benzo(a)pyrene	23.17	252	147697	2.29	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.54	276	119097	1.82	ng/ul	94
41) Benzo(g,h,i)perylene	26.21	276	128483	2.49	ng/ul	98

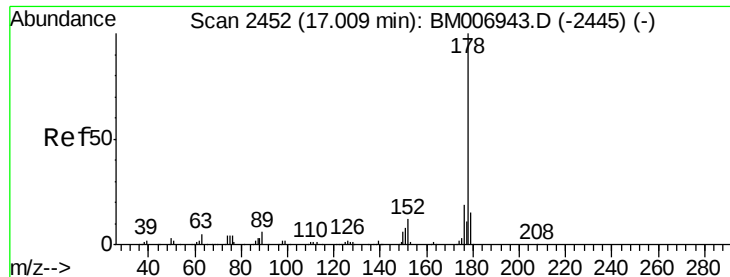
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.25 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

Instrument :

BNA_M

ClientSampleId :

DA0G6

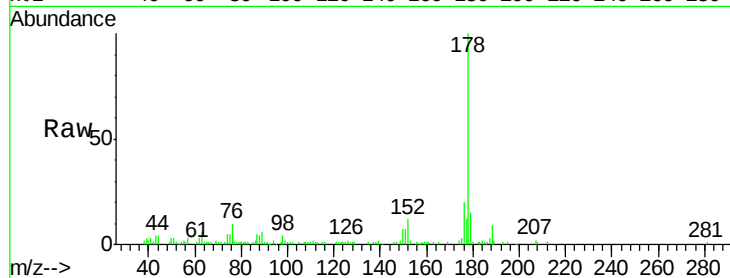
Tgt Ion:178 Resp: 100363

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

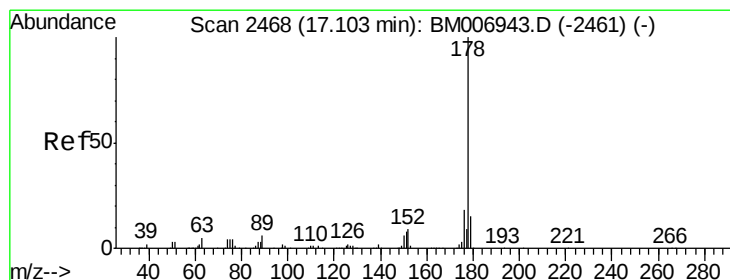
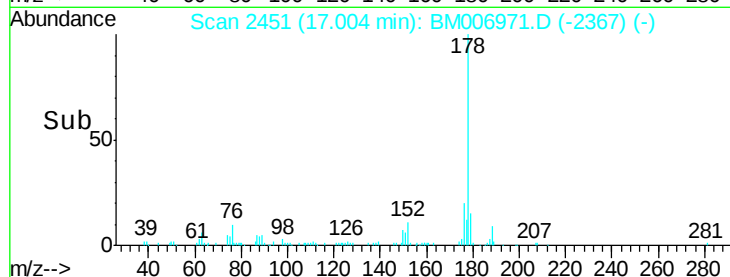
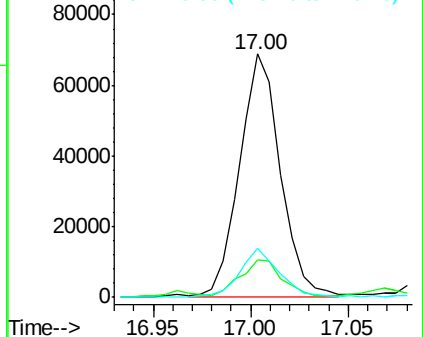
176 20.0 15.0 22.4



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



#27

Anthracene

Concen: 1.19 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.10 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

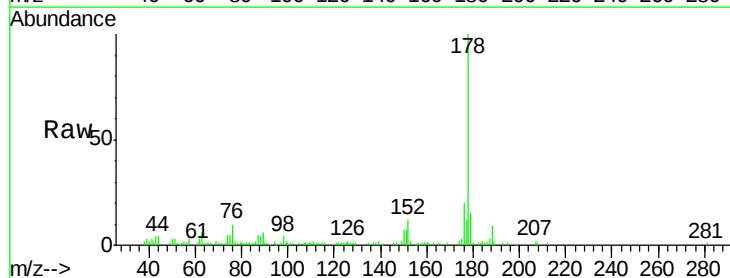
Tgt Ion:178 Resp: 100363

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

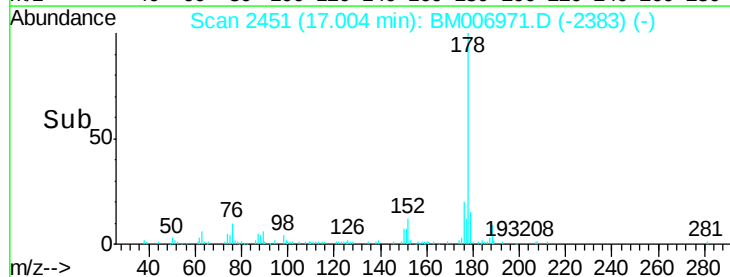
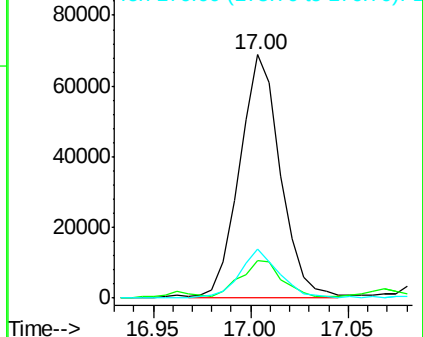
176 20.0 15.4 23.0

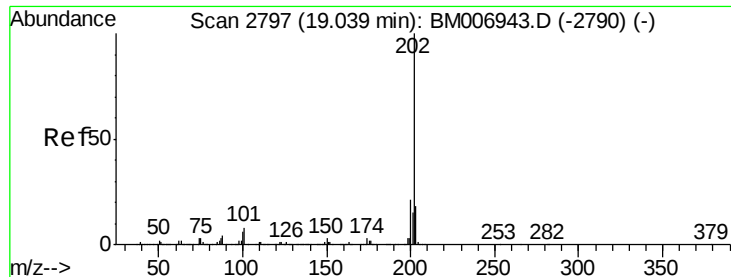


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 3.08 ng/ul

RT: 19.03 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

Instrument :

BNA_M

ClientSampleId :

DA0G6

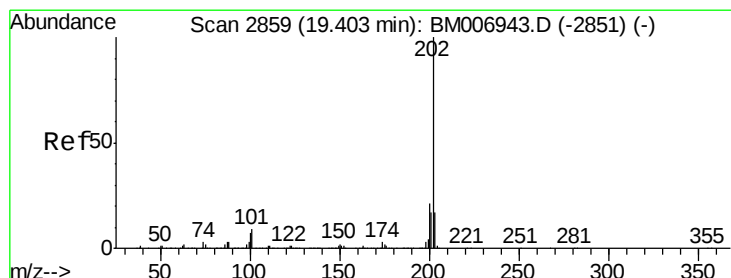
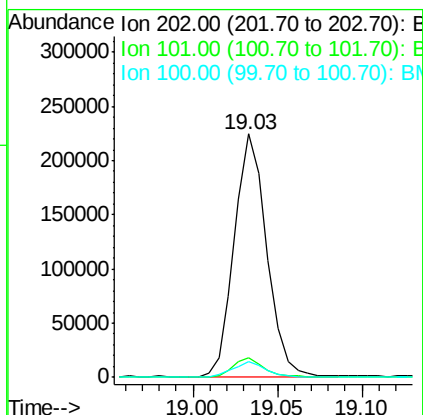
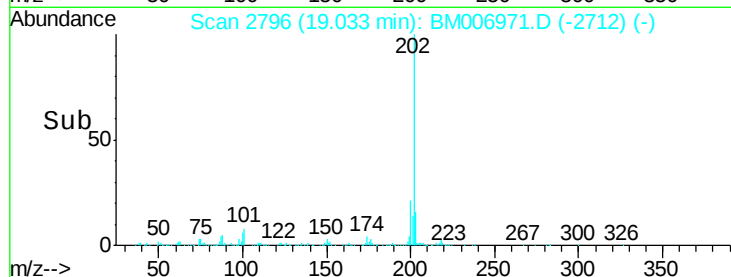
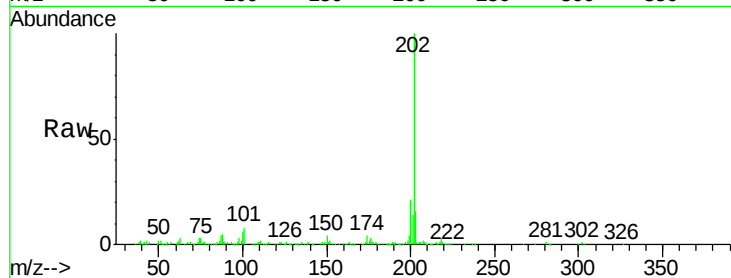
Tgt Ion:202 Resp: 301074

Ion Ratio Lower Upper

202 100

101 8.1 5.6 8.4

100 6.5 4.2 6.4#



#31

Pyrene

Concen: 3.31 ng/ul

RT: 19.03 min Scan# 2796

Delta R.T. -0.37 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

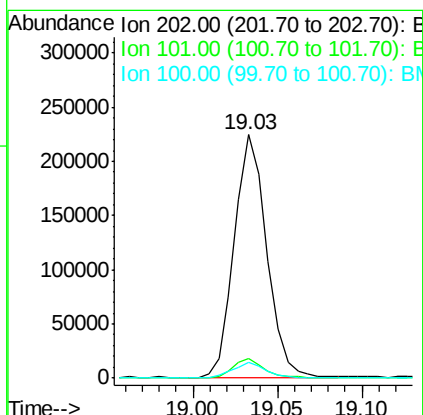
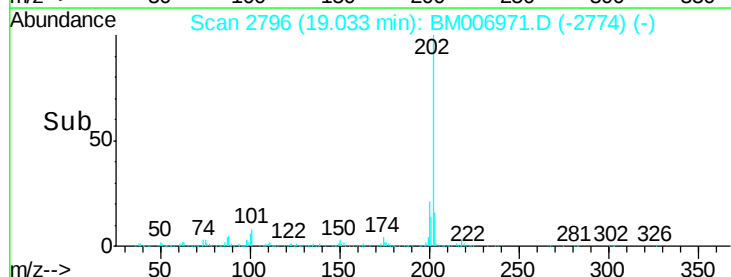
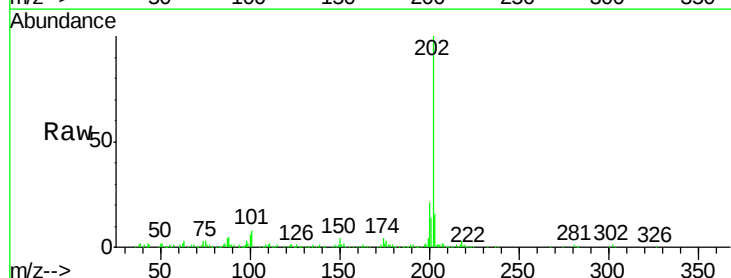
Tgt Ion:202 Resp: 300534

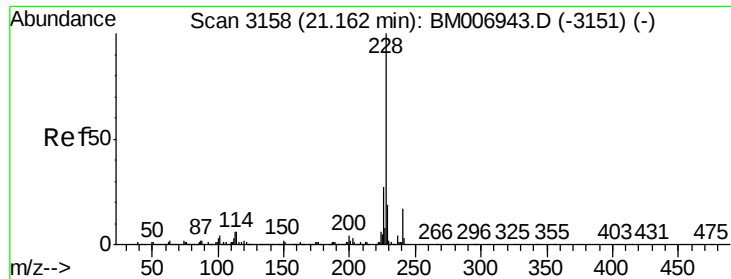
Ion Ratio Lower Upper

202 100

101 8.1 6.4 9.6

100 6.5 5.4 8.2





#32

Benzo(a)anthracene

Concen: 2.53 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

Instrument :

BNA_M

ClientSampleId :

DA0G6

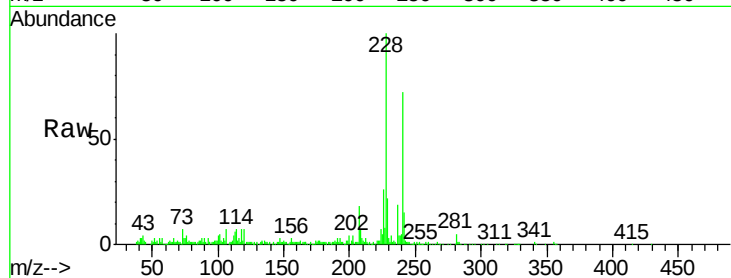
Tgt Ion:228 Resp: 219328

Ion Ratio Lower Upper

228 100

229 21.6 15.2 22.8

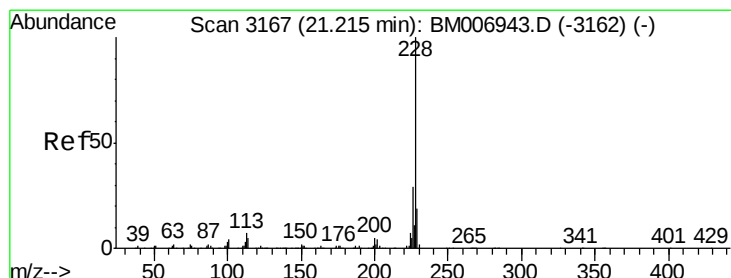
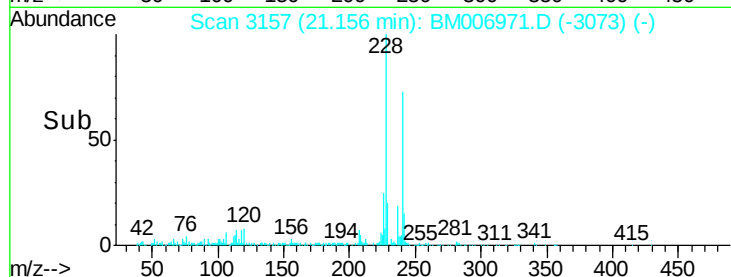
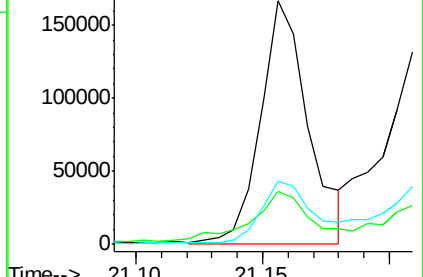
226 25.7 21.3 31.9



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: 2.69 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

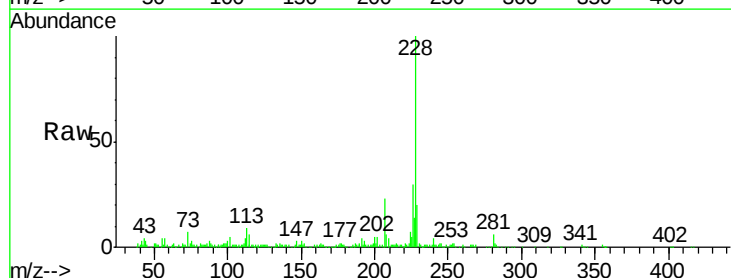
Tgt Ion:228 Resp: 204892

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

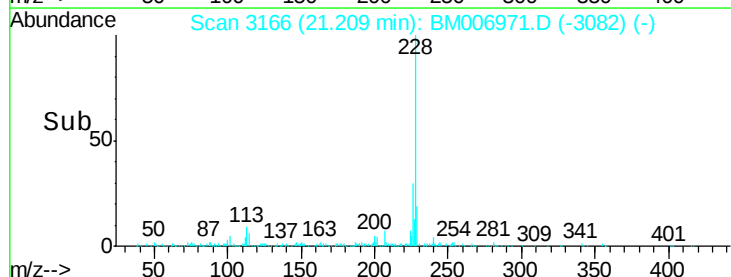
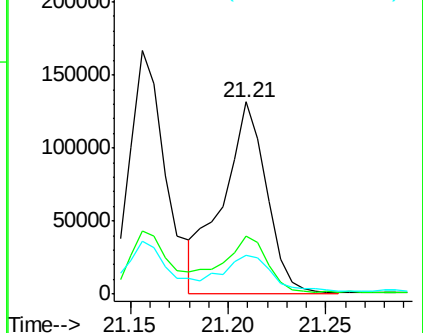
229 19.9 15.1 22.7

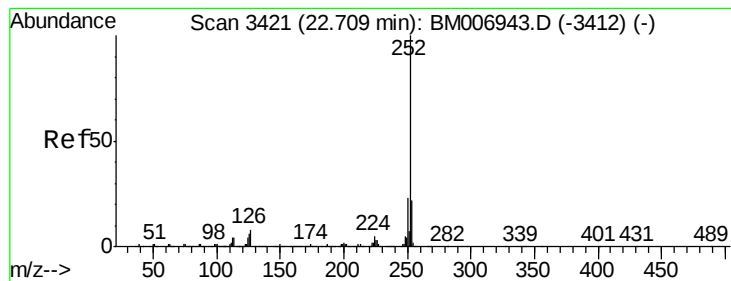


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 4.26 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

Instrument :

BNA_M

ClientSampleId :

DA0G6

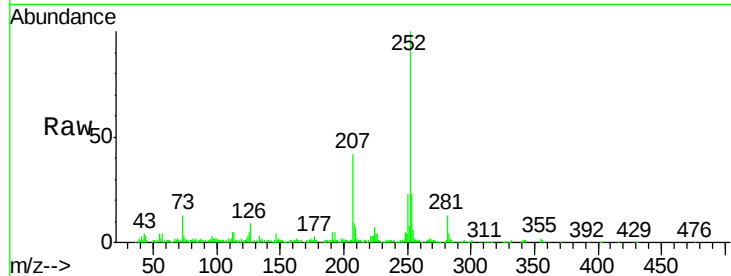
Tgt Ion:252 Resp: 303567

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

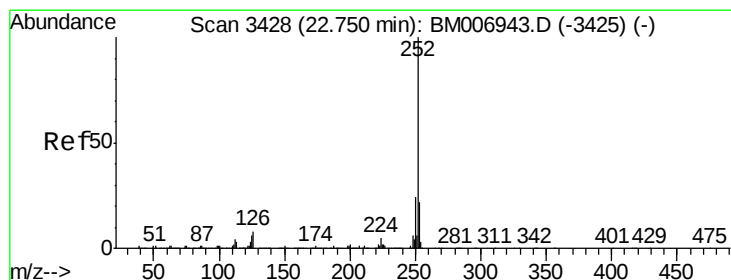
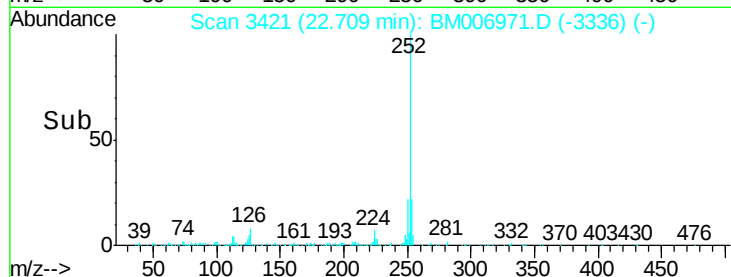
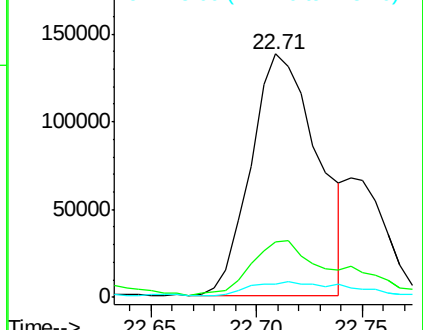
125 5.5 5.1 7.7



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: 4.41 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. -0.04 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

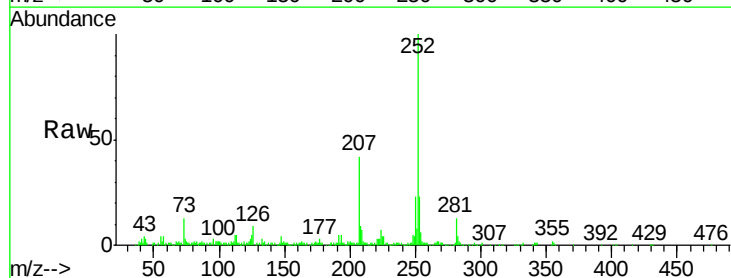
Tgt Ion:252 Resp: 303567

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

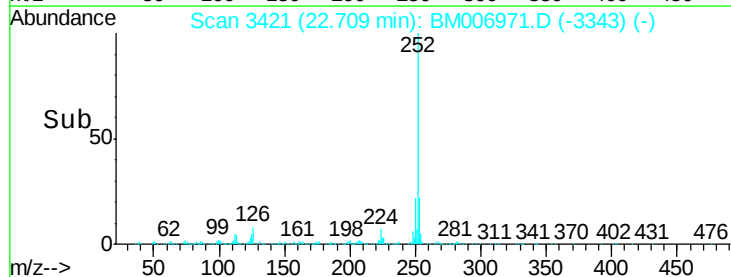
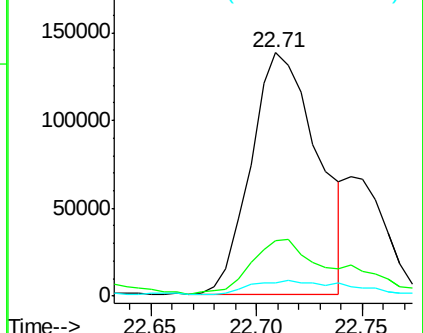
125 5.5 5.1 7.7

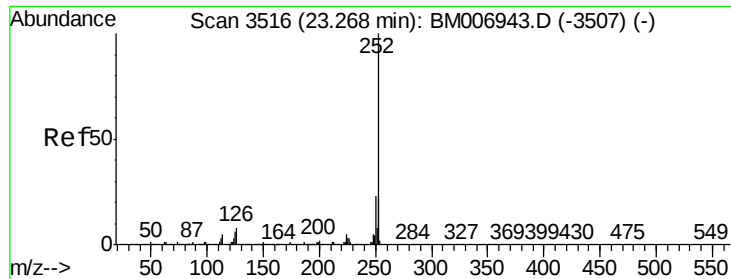


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 2.29 ng/ul

RT: 23.17 min Scan# 3499

Delta R.T. -0.10 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

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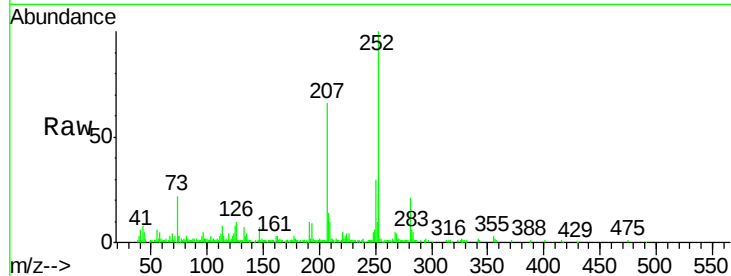
Tgt Ion:252 Resp: 147697

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

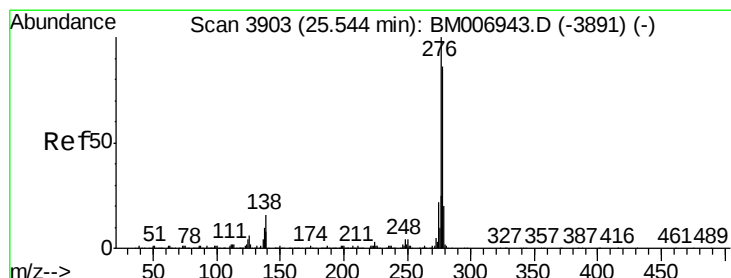
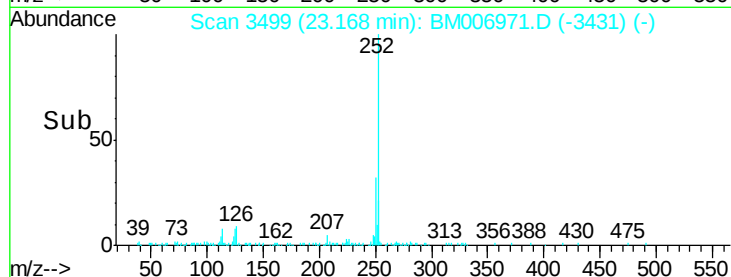
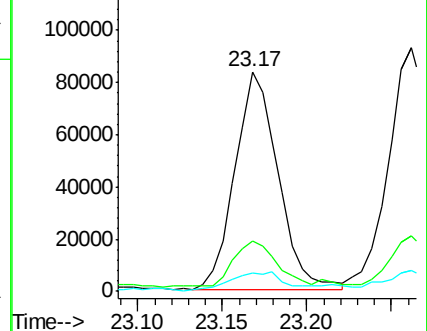
125 8.1 5.6 8.4



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 1.82 ng/ul

RT: 25.54 min Scan# 3903

Delta R.T. 0.00 min

Lab File: BM006971.D

Acq: 07 Aug 2016 11:41

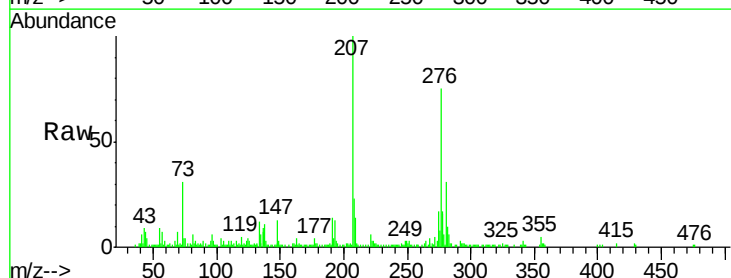
Tgt Ion:276 Resp: 119097

Ion Ratio Lower Upper

276 100

138 14.2 12.6 19.0

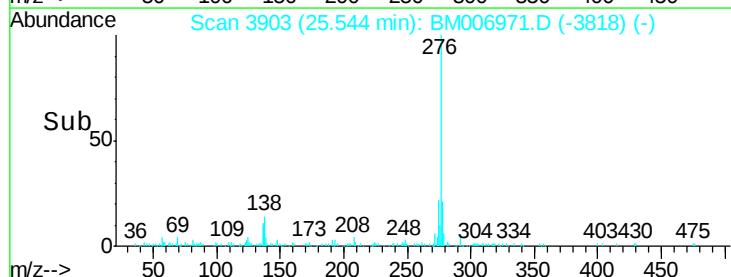
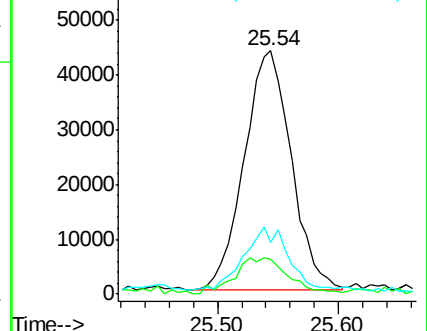
277 21.4 20.3 30.5

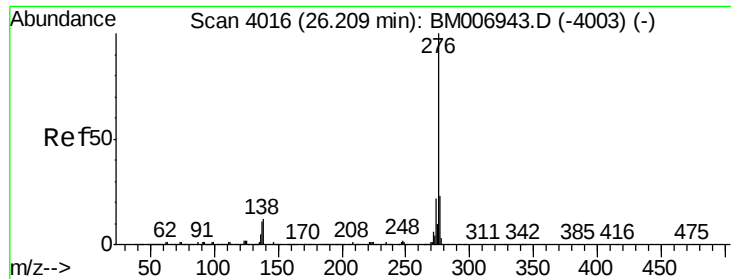


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.49 ng/ul

RT: 26.21 min Scan# 4016

Delta R.T. 0.00 min

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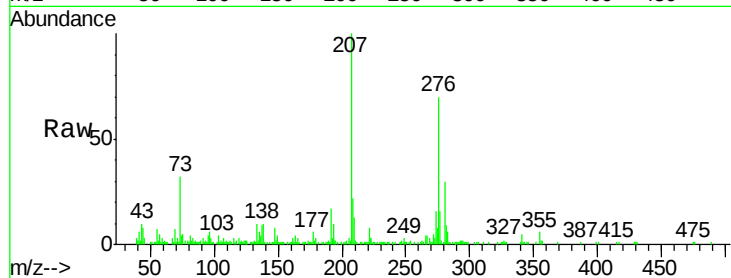
Tgt Ion: 276 Resp: 128483

Ion Ratio Lower Upper

276 100

138 14.5 10.9 16.3

277 22.6 18.6 27.8



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

