

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007016.D
 Acq On : 11 Aug 2016 00:48
 Operator : UM/SJ
 Sample : H4303-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H6

Quant Time: Aug 11 03:18:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	355306	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1606507	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	989096	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2358604	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2828143	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	2337484	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	13471	1.73	ng/uL	0.00
3) Phenol-d5	6.98	99	577420	18.26	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	374648	21.20	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	480747	20.04	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	460217	17.19	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	258020	21.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	281412	20.03	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	547829	19.96	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	708425	22.08	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1880789	22.25	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	2273260	22.96	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	222155	14.64	ng/ul	0.00
21) Fluorene-d10	15.44	176	1620461	22.55	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	169806	13.28	ng/ul	0.00
26) Anthracene-d10	17.29	188	2486793	22.63	ng/ul	0.00
30) Pyrene-d10	19.58	212	3130408	24.34	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	2641291	24.58	ng/ul	0.00

Target Compounds

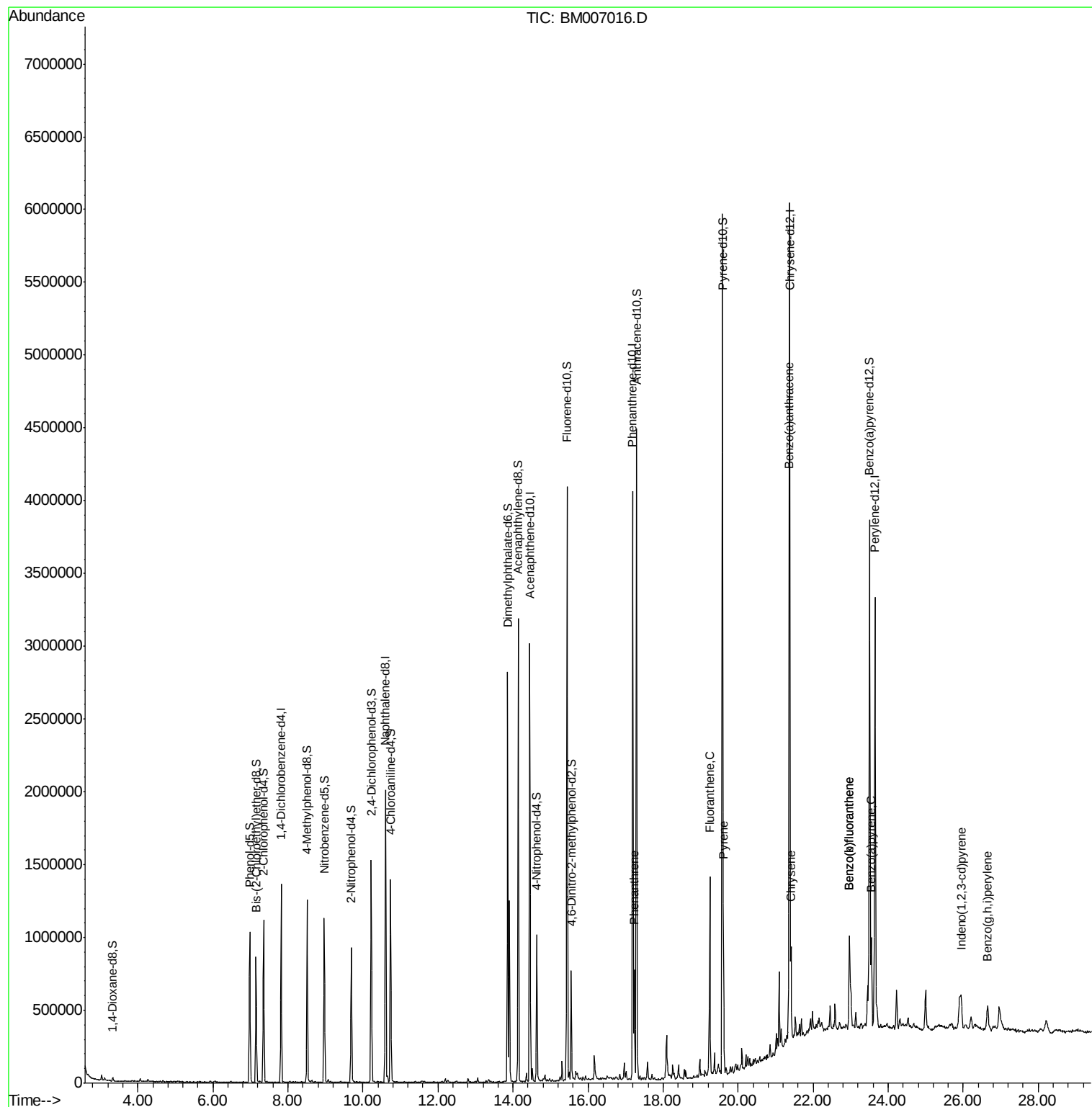
						Qvalue
25) Phenanthrene	17.23	178	434765	3.44	ng/ul	99
28) Fluoranthene	19.24	202	783688	4.92	ng/ul	100
31) Pyrene	19.61	202	654829	3.99	ng/ul	99
32) Benzo(a)anthracene	21.36	228	393727	2.36	ng/ul	99
33) Chrysene	21.41	228	358664	2.37	ng/ul	98
35) Benzo(b)fluoranthene	22.96	252	521795	3.59	ng/ul	97
36) Benzo(k)fluoranthene	22.96	252	521795	3.80	ng/ul	98
38) Benzo(a)pyrene	23.55	252	322758	2.42	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.94	276	224161	1.69	ng/ul	96
41) Benzo(g,h,i)perylene	26.64	276	221038	2.03	ng/ul	100

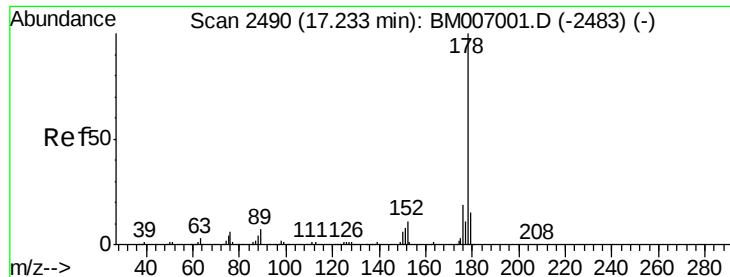
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.44 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

Instrument :

BNA_M

ClientSampleId :

DA0H6

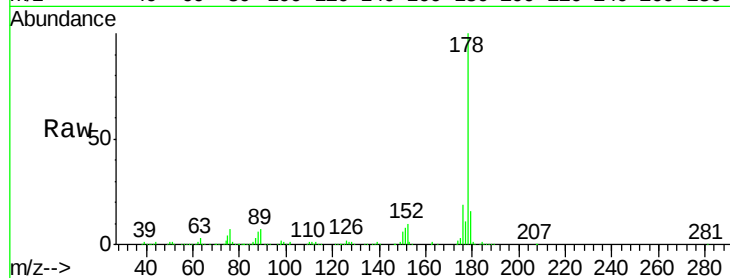
Tgt Ion:178 Resp: 434765

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

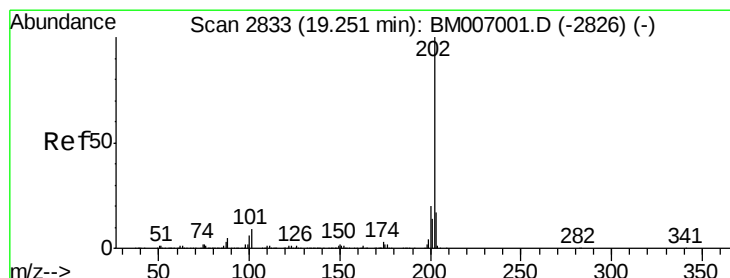
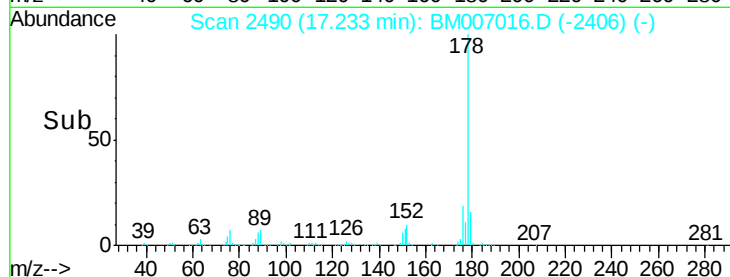
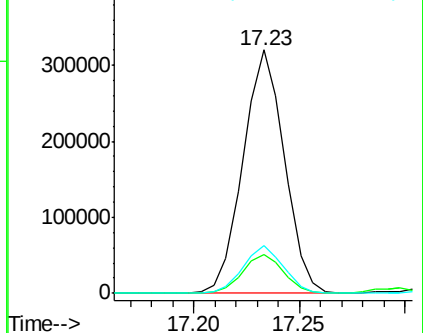
176 19.4 15.2 22.8



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



#28

Fluoranthene

Concen: 4.92 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

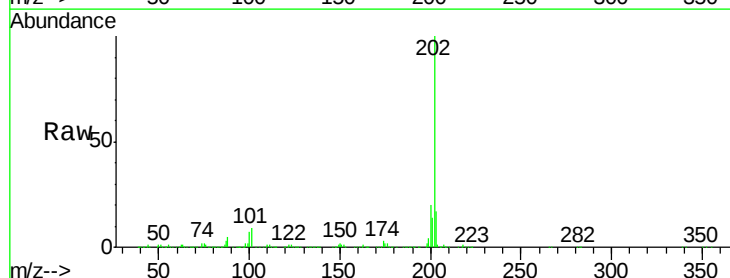
Tgt Ion:202 Resp: 783688

Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.2

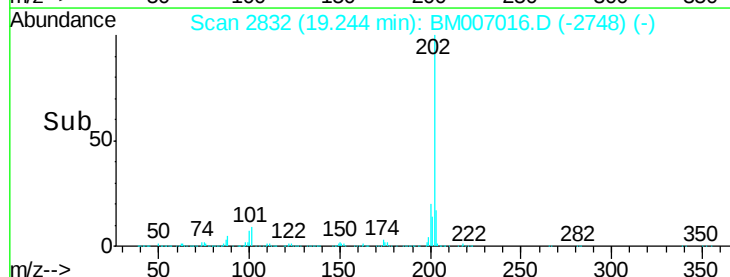
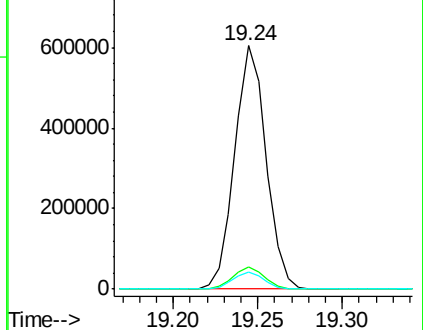
100 7.1 5.8 8.6

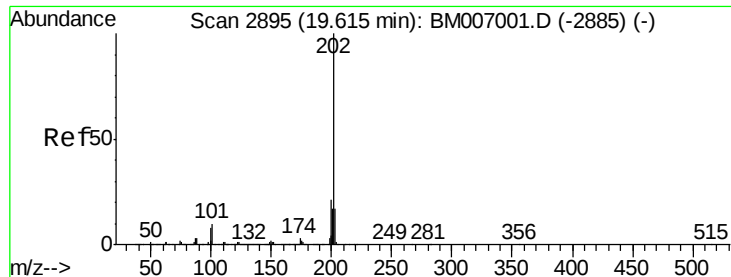


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

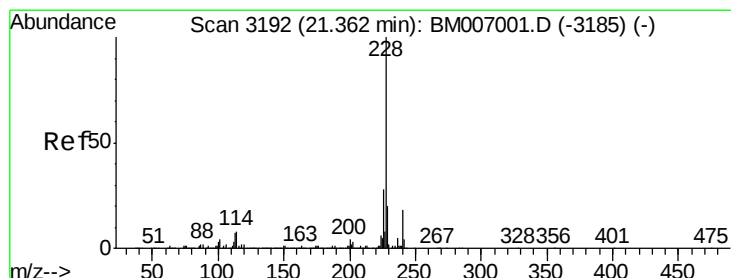
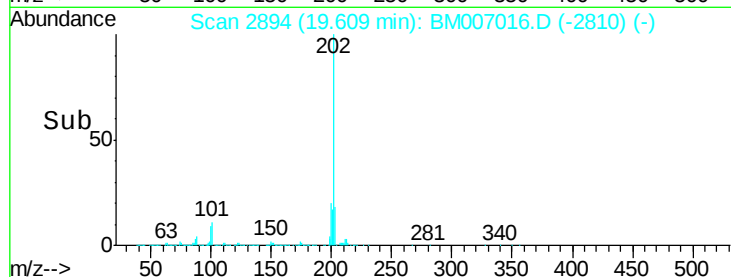
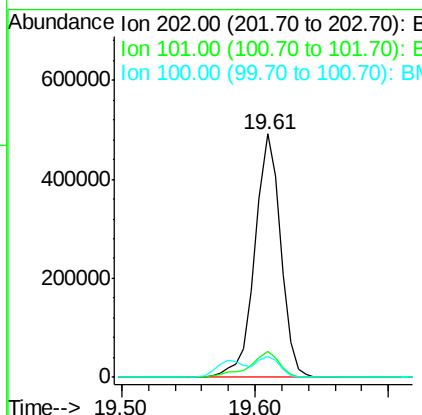
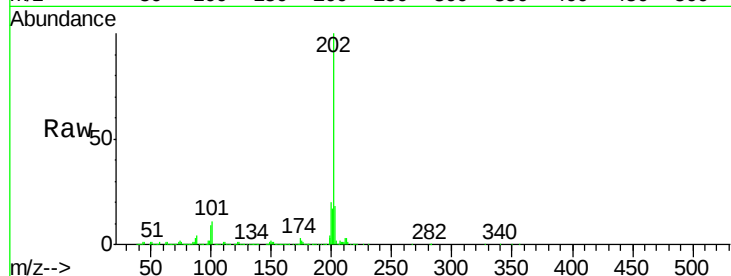




#31
 Pyrene
 Concen: 3.99 ng/ul
 RT: 19.61 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: BM007016.D
 Acq: 11 Aug 2016 00:48

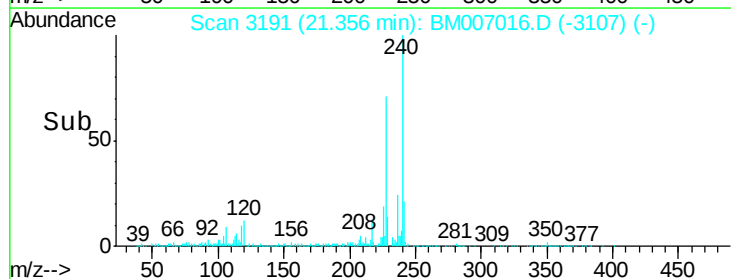
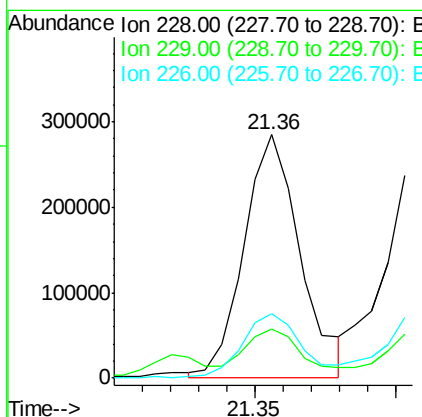
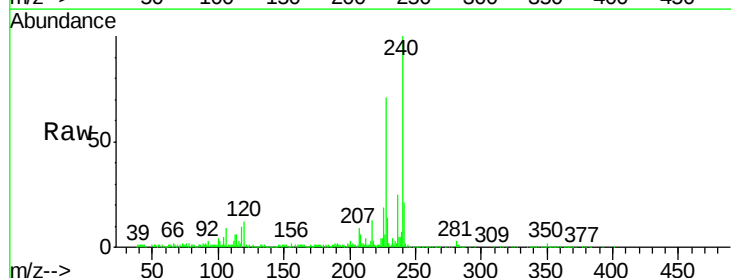
Instrument :
 BNA_M
 ClientSampleId :
 DA0H6

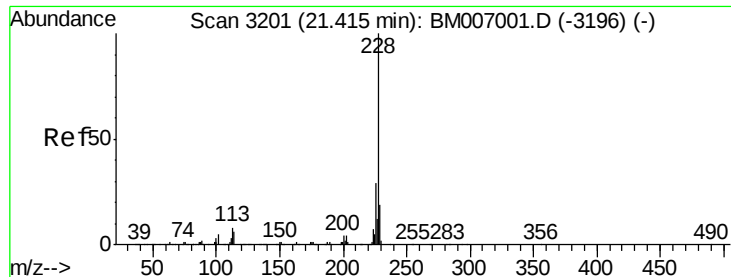
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.5	12.7
100	8.8	7.1	10.7



#32
 Benzo(a)anthracene
 Concen: 2.36 ng/ul
 RT: 21.36 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BM007016.D
 Acq: 11 Aug 2016 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.8	23.6
226	26.7	21.9	32.9





#33

Chrysene

Concen: 2.37 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

Instrument :

BNA_M

ClientSampleId :

DA0H6

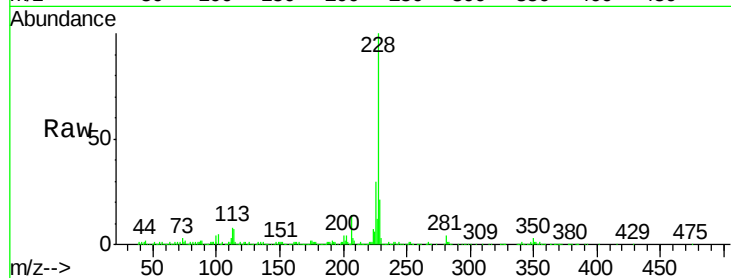
Tgt Ion: 228 Resp: 358664

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

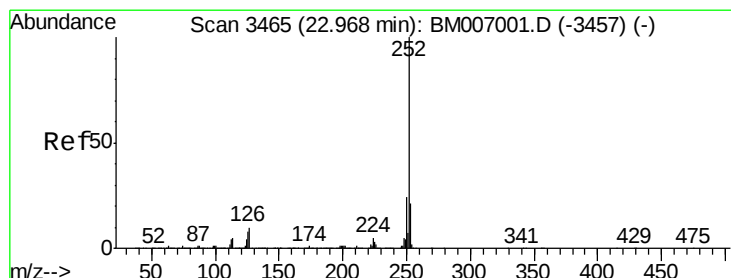
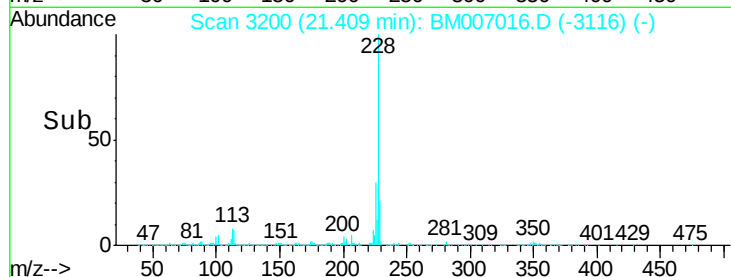
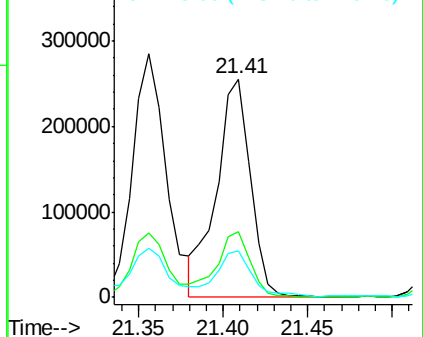
229 21.2 15.9 23.9



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: 3.59 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

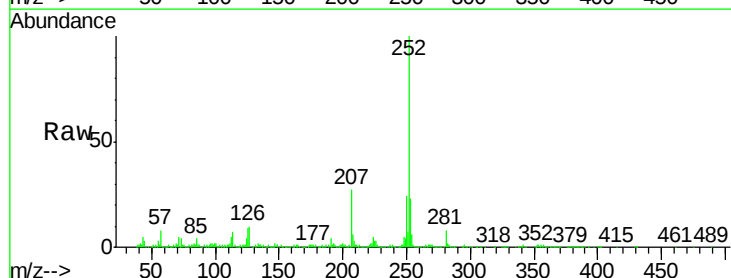
Tgt Ion: 252 Resp: 521795

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

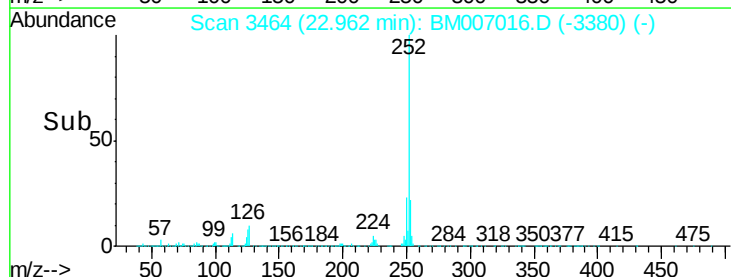
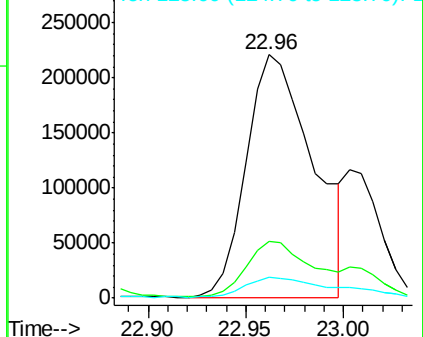
125 8.6 6.0 9.0

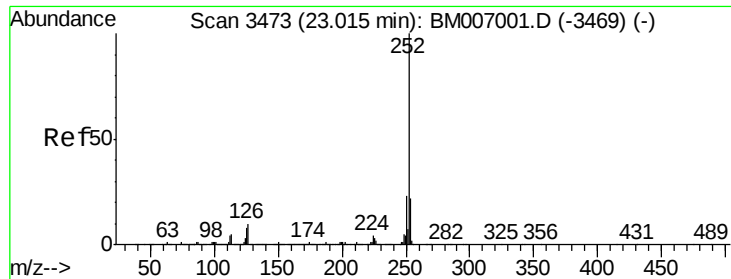


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

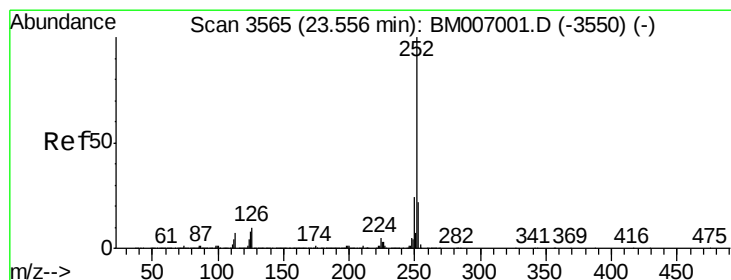
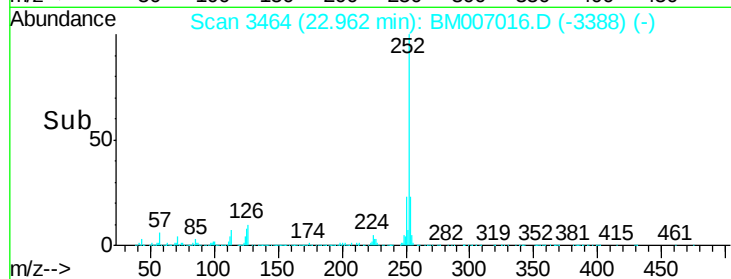
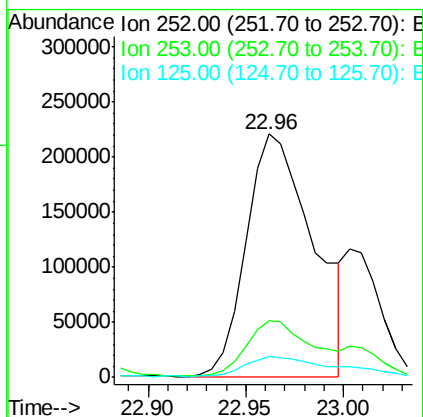
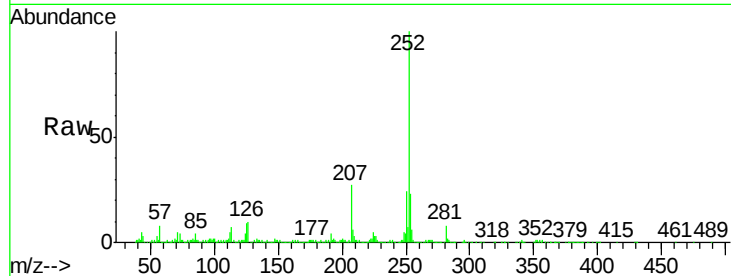




#36
Benzo(k)fluoranthene
Concen: 3.80 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. -0.05 min
Lab File: BM007016.D
Acq: 11 Aug 2016 00:48

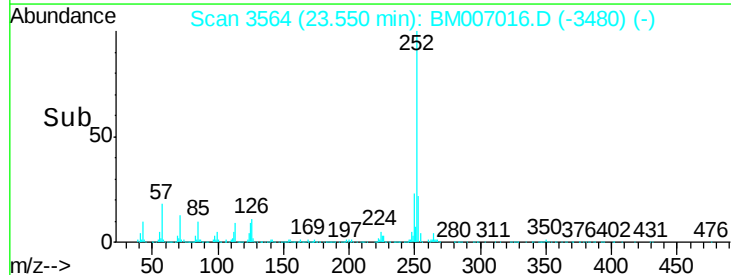
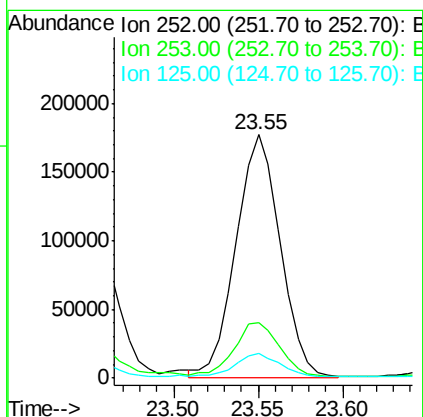
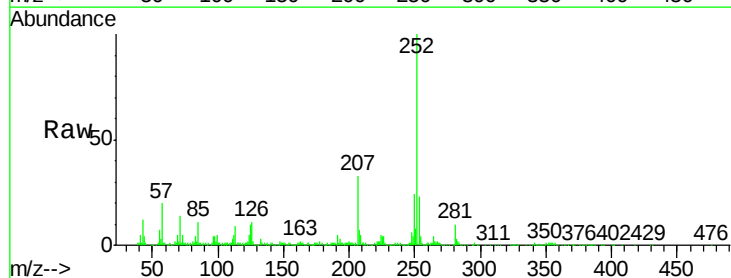
Instrument :
BNA_M
ClientSampleId :
DA0H6

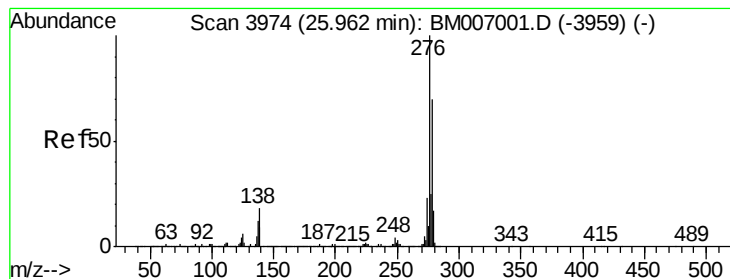
Tgt Ion:	252	Resp:	521795
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	8.6	6.2	9.4



#38
Benzo(a)pyrene
Concen: 2.42 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. -0.01 min
Lab File: BM007016.D
Acq: 11 Aug 2016 00:48

Tgt Ion:	252	Resp:	322758
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.0	6.8	10.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.69 ng/ul

RT: 25.94 min Scan# 3971

Delta R.T. -0.02 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

Instrument :

BNA_M

ClientSampleId :

DA0H6

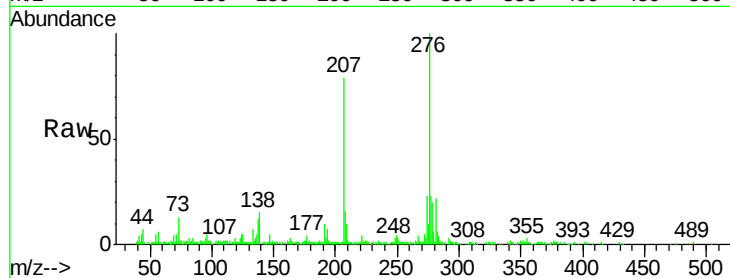
Tgt Ion:276 Resp: 224161

Ion Ratio Lower Upper

276 100

138 15.5 14.9 22.3

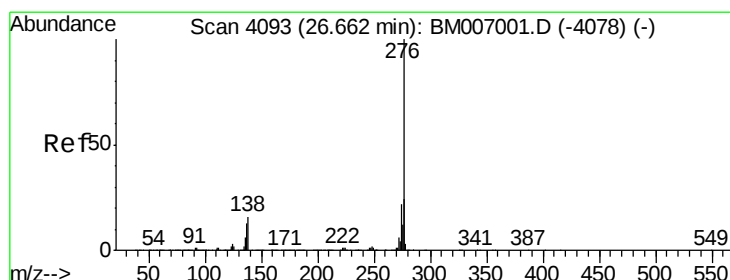
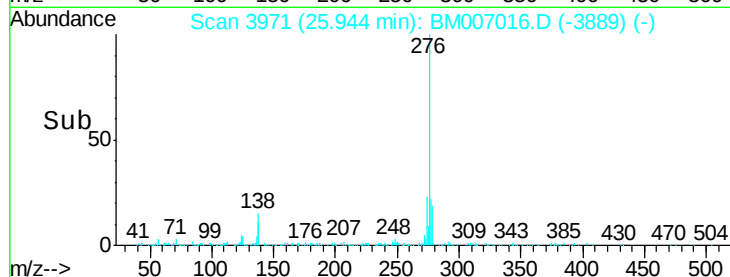
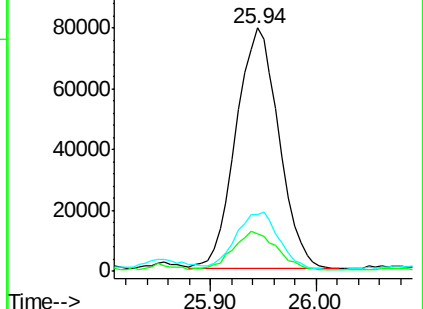
277 23.5 19.8 29.6



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



#41

Benzo(g,h,i)perylene

Concen: 2.03 ng/ul

RT: 26.64 min Scan# 4090

Delta R.T. -0.02 min

Lab File: BM007016.D

Acq: 11 Aug 2016 00:48

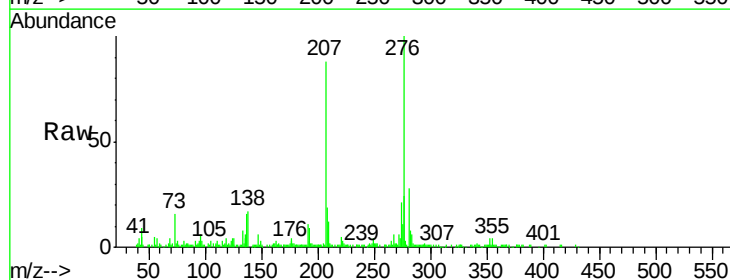
Tgt Ion:276 Resp: 221038

Ion Ratio Lower Upper

276 100

138 17.3 14.0 21.0

277 24.3 19.6 29.4



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

