

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070116\
 Data File : BM006180.D
 Acq On : 01 Jul 2016 13:38
 Operator : UM/SJ
 Sample : H3777-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4

Manual Integrations
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Quant Time: Jul 01 17:54:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	423741	20.00	ng/ul	0.01
7) Naphthalene-d8	10.45	136	1901073	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	1063955	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	2301041	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1780298	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1782789	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9488	1.04	ng/uL	0.00
3) Phenol-d5	6.85	99	512223	14.80	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	326753	16.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	413773	15.57	ng/ul	0.01
6) 4-Methylphenol-d8	8.37	113	380273	13.65	ng/ul	0.01
8) Nitrobenzene-d5	8.82	128	219752	17.16	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	248820	16.98	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	433412	16.21	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	284537	13.46	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	1305906	17.12	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	1672432	18.07	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	156931	10.84	ng/ul	0.03
21) Fluorene-d10	15.32	176	1153149	17.72	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.45	200	145858	17.90	ng/ul	0.02
26) Anthracene-d10	17.17	188	1736889	18.82	ng/ul	0.02
30) Pyrene-d10	19.47	212	1689010	23.56	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1337392	18.85	ng/ul	0.04

Target Compounds

						Qvalue
25) Phenanthrene	17.11	178	161114	1.48	ng/ul	98
28) Fluoranthene	19.13	202	372359	2.79	ng/ul	98
31) Pyrene	19.50	202	311310	3.32	ng/ul	96
32) Benzo(a)anthracene	21.25	228	162221	1.75	ng/ul#	91
33) Chrysene	21.30	228	192650	2.26	ng/ul#	93
35) Benzo(b)fluoranthene	22.83	252	274760	2.97	ng/ul#	91
36) Benzo(k)fluoranthene	22.87	252	86989m	1.00	ng/ul	
38) Benzo(a)pyrene	23.40	252	175711	2.01	ng/ul#	89
39) Indeno(1,2,3-cd)pyrene	25.73	276	149228	1.64	ng/ul	94
41) Benzo(g,h,i)perylene	26.43	276	209793	2.76	ng/ul	97

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

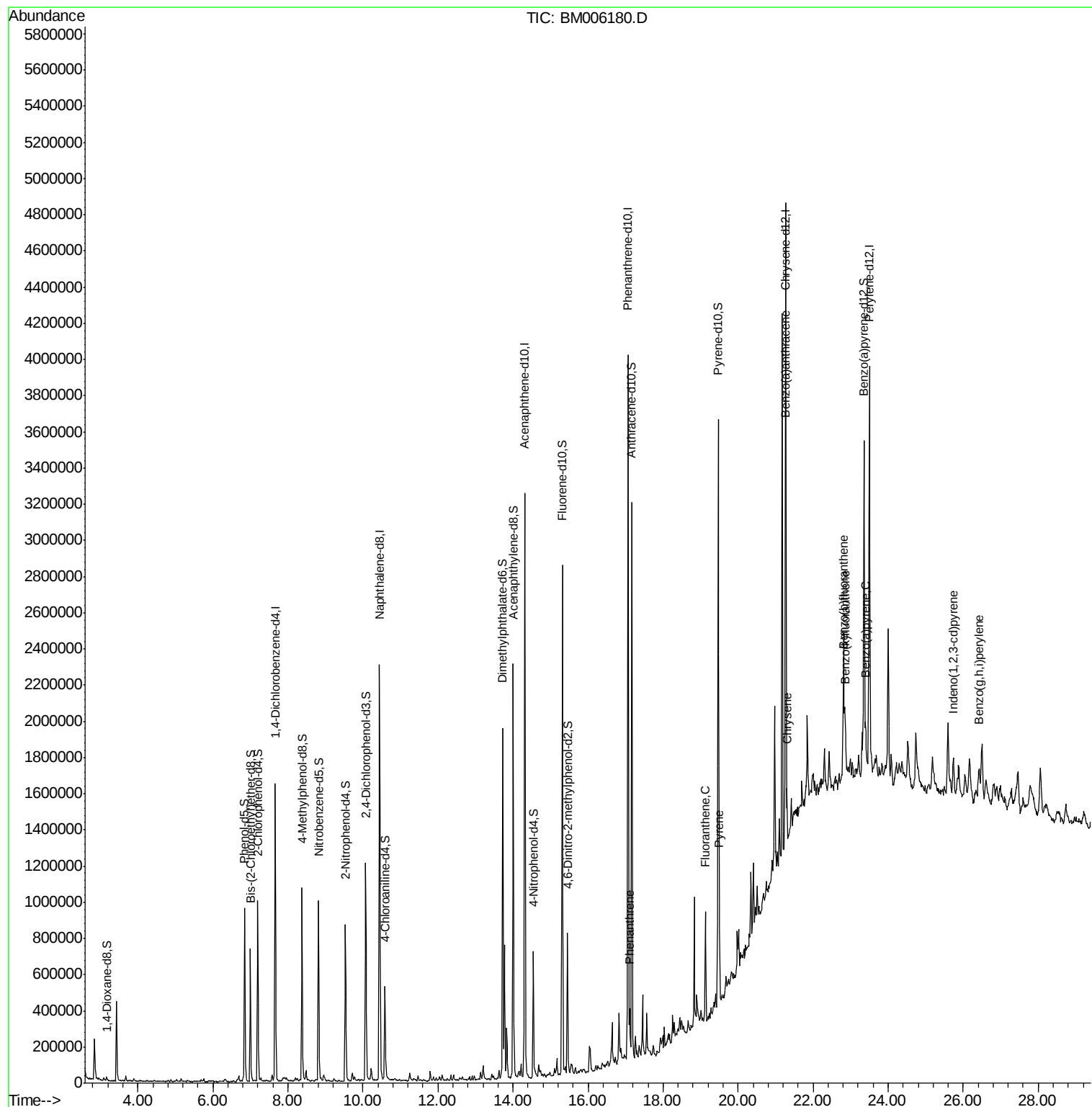
Data Path : Z:\HPCHEM1\BNA_M\Data\BM070116\
Data File : BM006180.D
Acq On : 01 Jul 2016 13:38
Operator : UM/SJ
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ALS Vial : 18 Sample Multiplier: 1

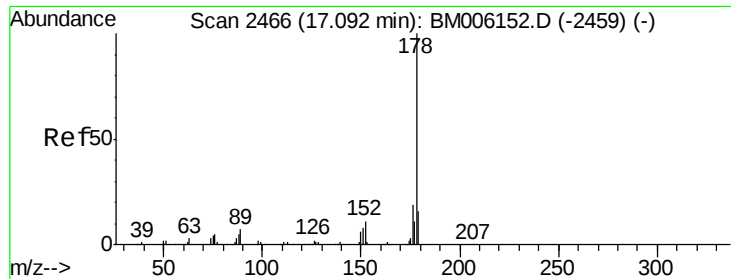
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.48 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006180.D

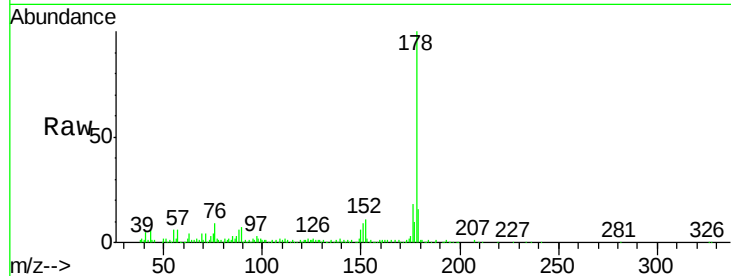
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Instrument :

BNA_M

ClientSampleId :

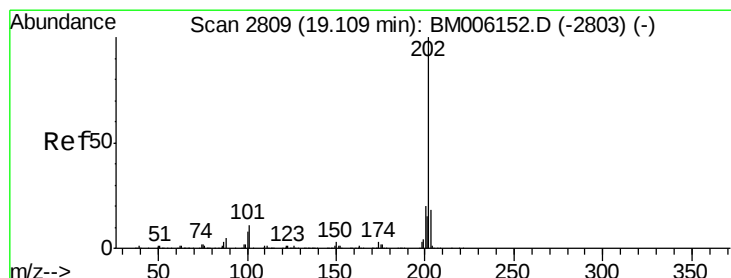
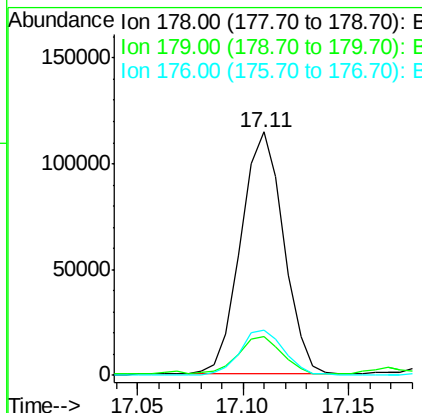
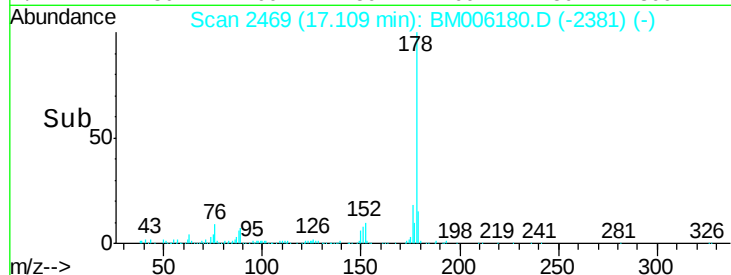
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	18.4	15.3	22.9

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#28

Fluoranthene

Concen: 2.79 ng/ul

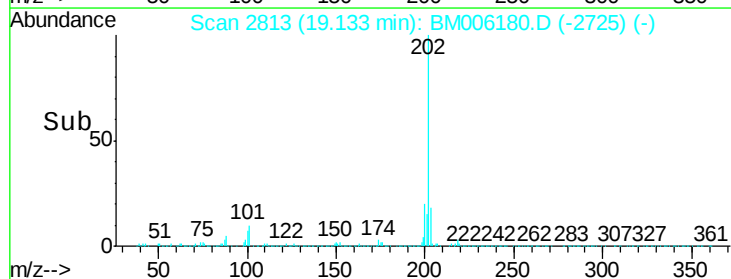
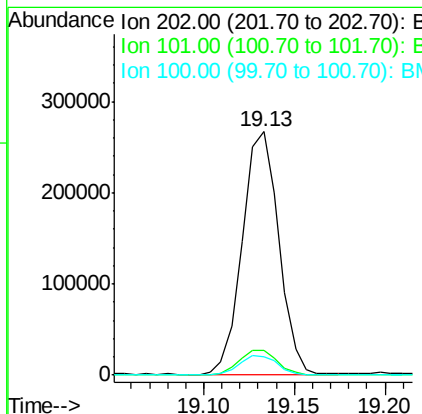
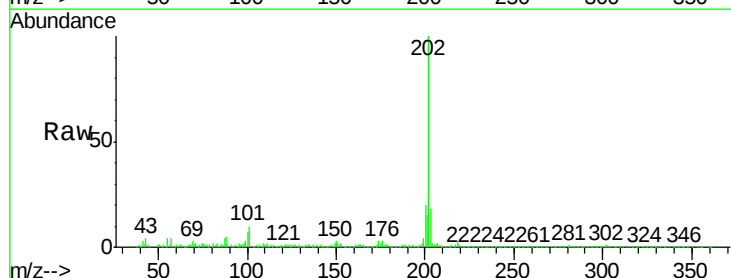
RT: 19.13 min Scan# 2813

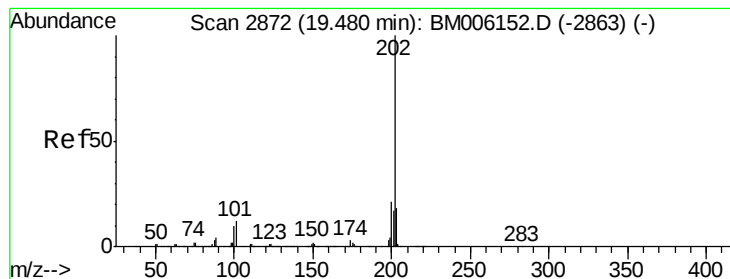
Delta R.T. 0.02 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.5	12.7
100	7.5	6.5	9.7





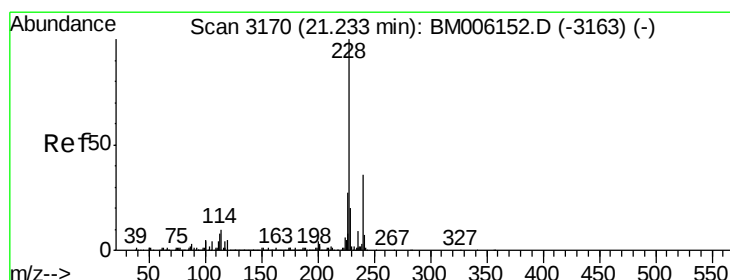
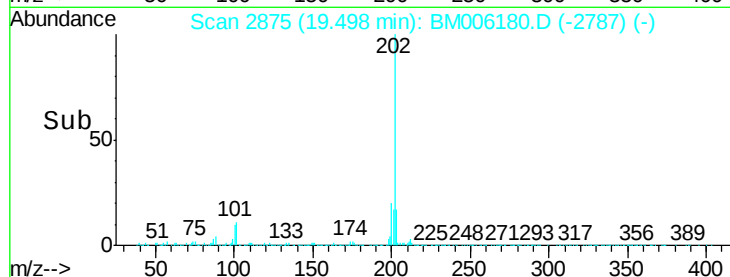
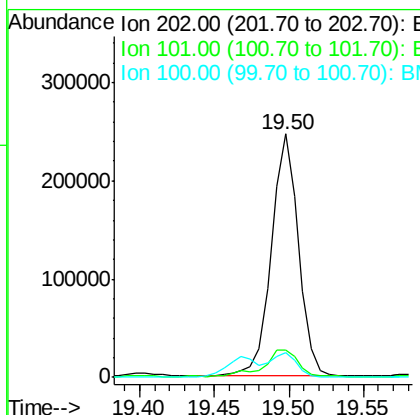
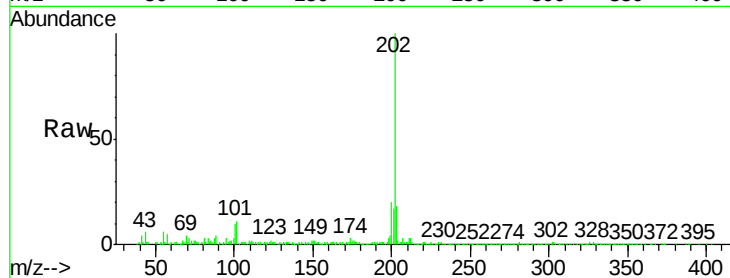
#31
 Pyrene
 Concen: 3.32 ng/ul
 RT: 19.50 min Scan# 2875
 Delta R.T. 0.02 min
 Lab File: BM006180.D
 Acq: 01 Jul 2016 13:38

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.4	11.0	16.4
100	10.2	8.9	13.3

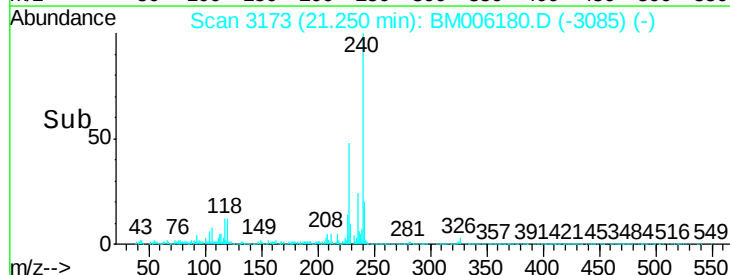
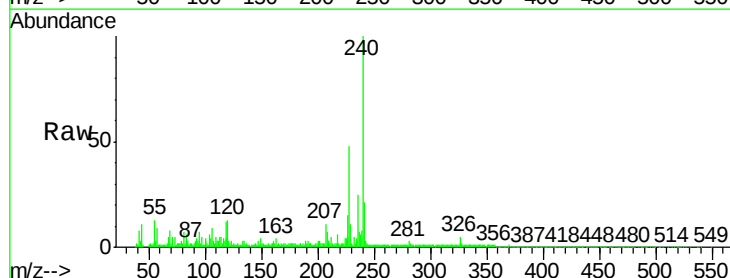
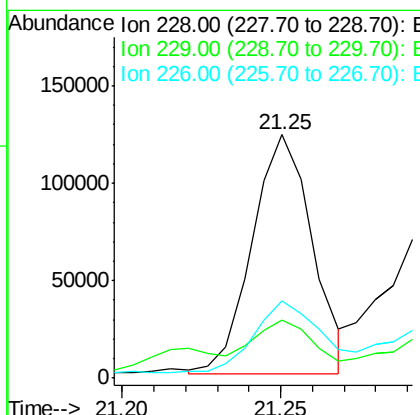
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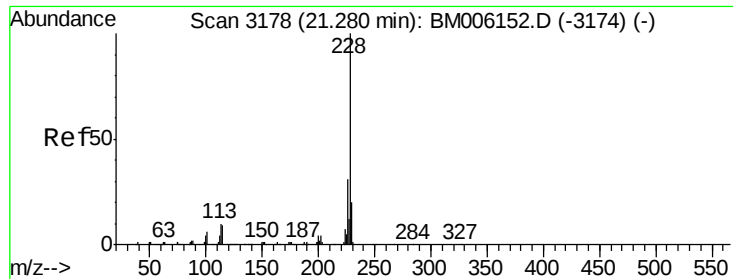
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#32
 Benzo(a)anthracene
 Concen: 1.75 ng/ul
 RT: 21.25 min Scan# 3173
 Delta R.T. 0.02 min
 Lab File: BM006180.D
 Acq: 01 Jul 2016 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.9	15.6	23.4#
226	31.8	21.6	32.4





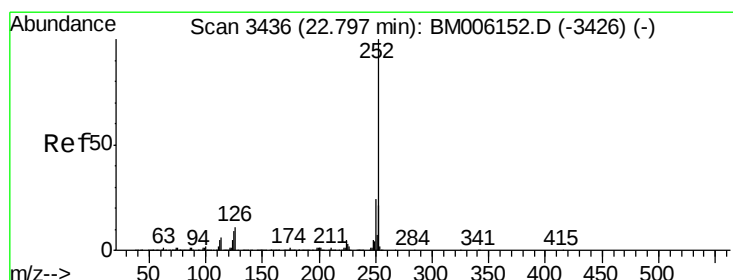
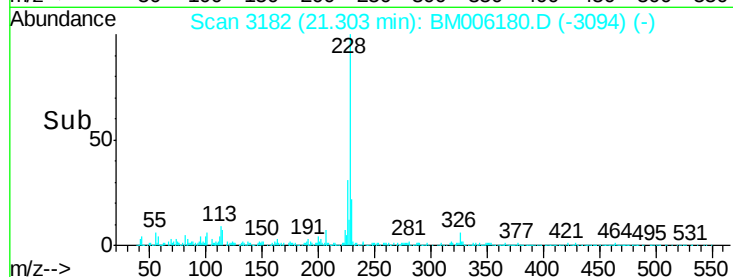
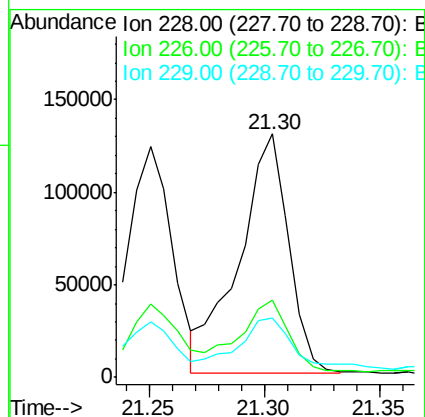
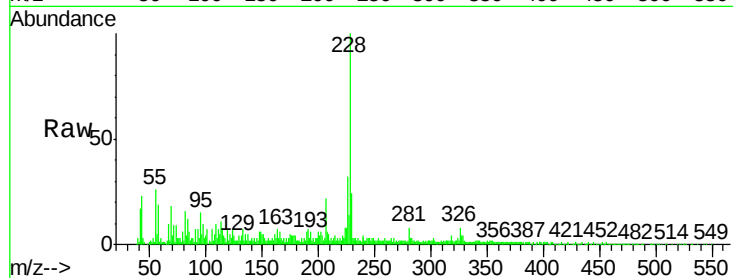
#33
Chrysene
Concen: 2.26 ng/ul
RT: 21.30 min Scan# 3182
Delta R.T. 0.02 min
Lab File: BM006180.D
Acq: 01 Jul 2016 13:38

Instrument :
BNA_M
ClientSampleId :
D9YC4

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.9	23.8	35.6
229	24.4	15.8	23.6

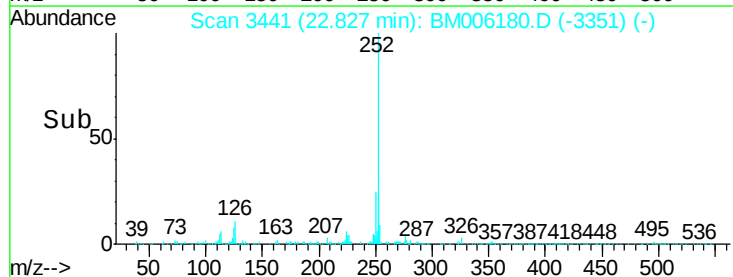
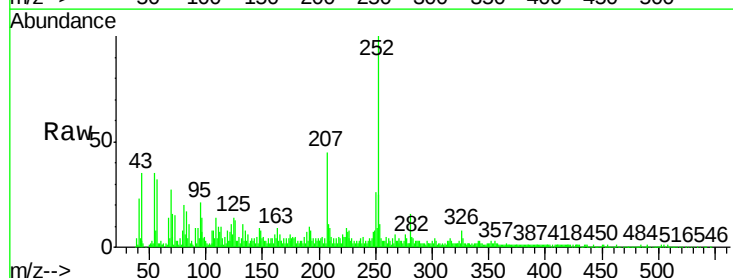
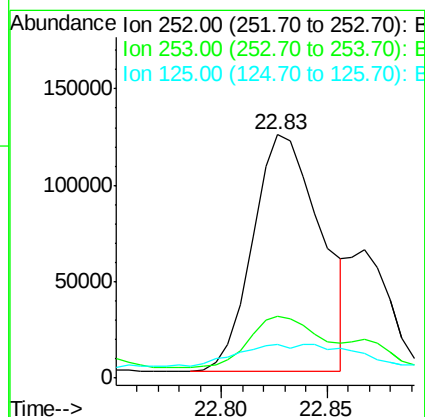
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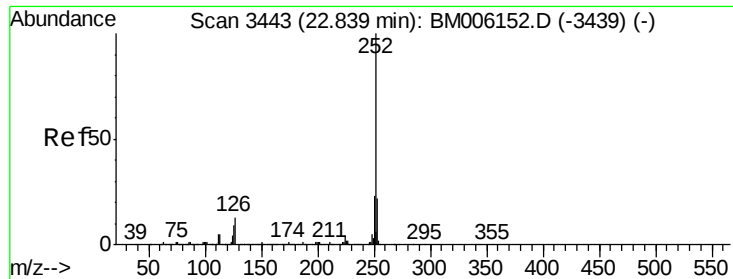
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#35
Benzo(b)fluoranthene
Concen: 2.97 ng/ul
RT: 22.83 min Scan# 3441
Delta R.T. 0.03 min
Lab File: BM006180.D
Acq: 01 Jul 2016 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.4	17.2	25.8
125	13.6	7.8	11.6





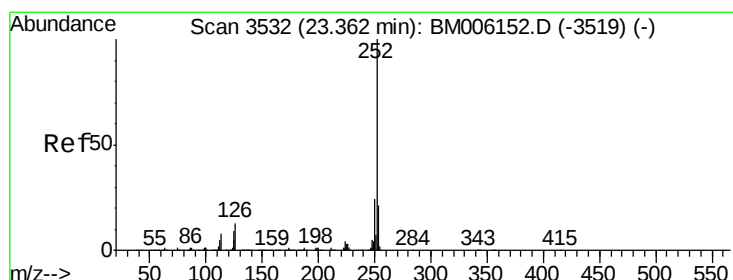
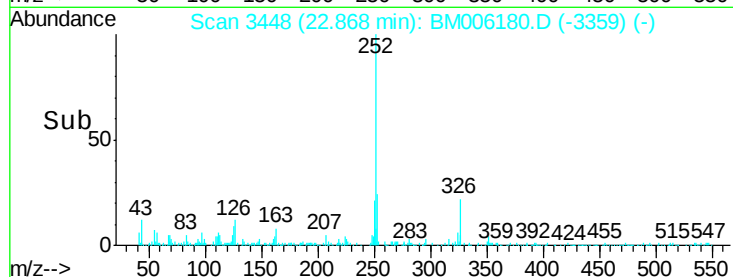
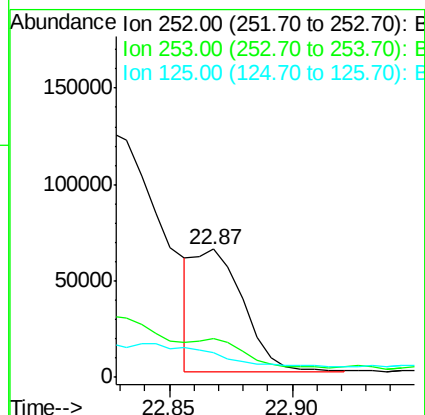
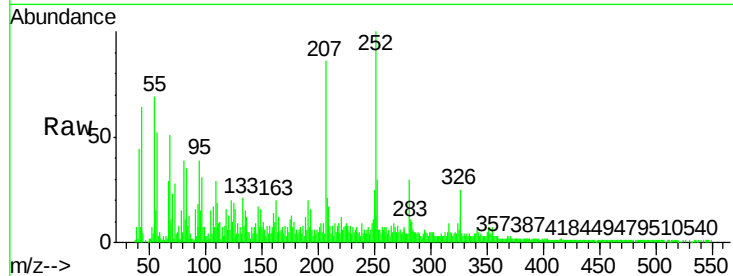
#36
Benzo(k)fluoranthene
Concen: 1.00 ng/ul m
RT: 22.87 min Scan# 3448
Delta R.T. 0.02 min
Lab File: BM006180.D
Acq: 01 Jul 2016 13:38

Instrument :
BNA_M
ClientSampleId :
D9YC4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.6	26.4#
125	19.4	8.1	12.1#

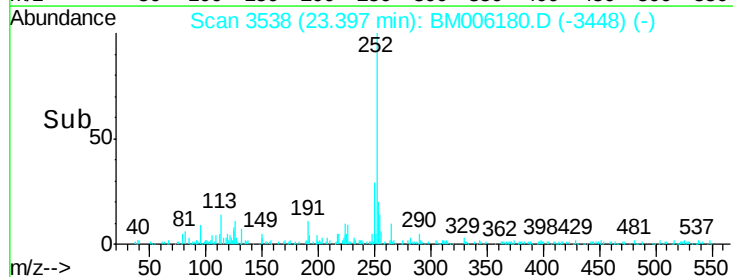
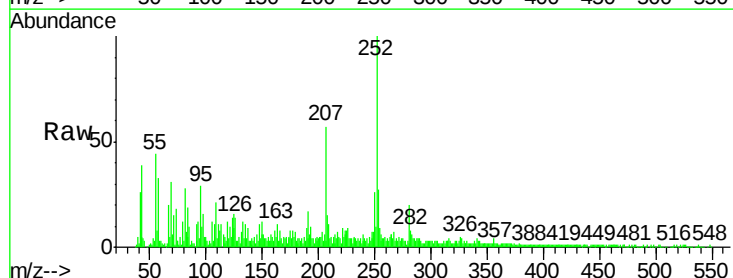
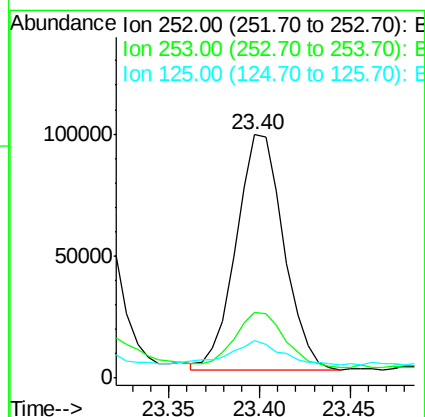
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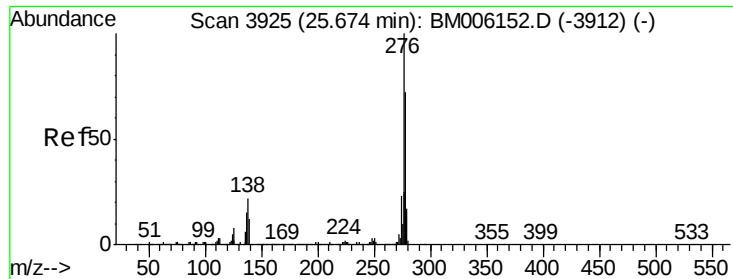
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#38
Benzo(a)pyrene
Concen: 2.01 ng/ul
RT: 23.40 min Scan# 3538
Delta R.T. 0.03 min
Lab File: BM006180.D
Acq: 01 Jul 2016 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.8	26.6#
125	15.6	8.7	13.1#





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.64 ng/ul

RT: 25.73 min Scan# 3935

Delta R.T. 0.05 min

Lab File: BM006180.D

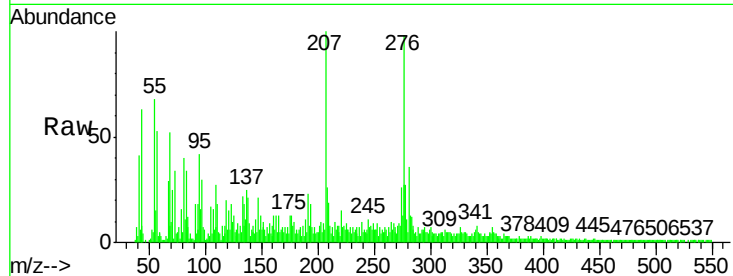
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BNA_M

ClientSampleId :

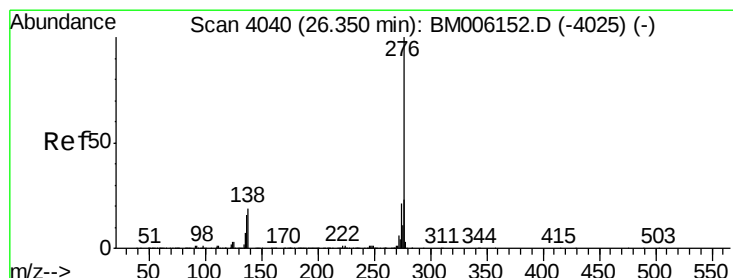
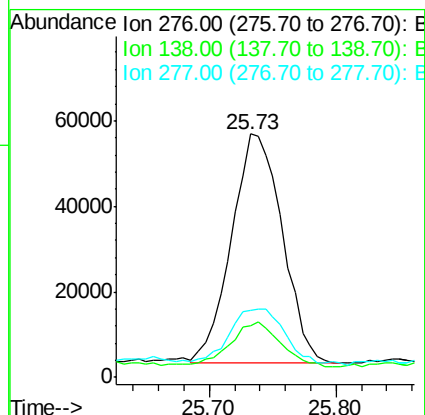
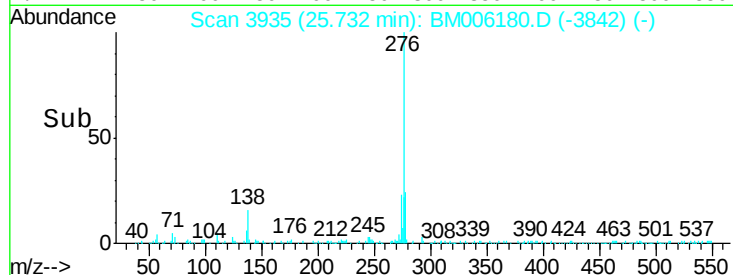
D9YC4



Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.4	30.6
277	27.3	20.6	30.8

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#41

Benzo(g,h,i)perylene

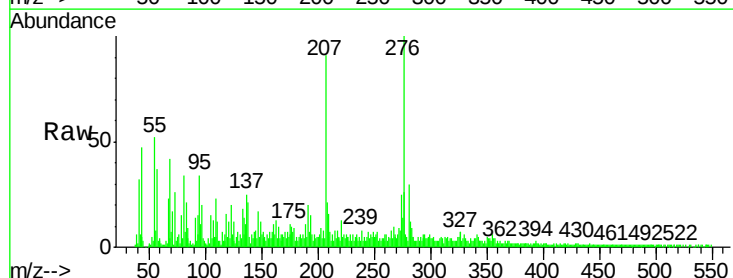
Concen: 2.76 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.08 min

Lab File: BM006180.D

Acq: 01 Jul 2016 13:38



Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.6	25.0
277	26.4	18.9	28.3

