

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006785.D
 Acq On : 31 Jul 2016 12:30
 Operator : UM/SJ
 Sample : H4189-05
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZM4

Manual Integrations
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Quant Time: Aug 01 07:02:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	184316	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	772974	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	420419	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	954256m	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1145097	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1197752	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8778	1.93	ng/uL	0.00
3) Phenol-d5	6.79	99	305068	19.45	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	230064	23.68	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	268465	21.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	160378	13.19	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	136459	23.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	149250	23.99	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	250101	21.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	302980	23.40	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	782040	23.72	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	1020804	24.26	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	92048	16.08	ng/ul	0.00
21) Fluorene-d10	15.26	176	702294	23.82	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	84069	16.97	ng/ul	0.00
26) Anthracene-d10	17.10	188	1068913	23.59	ng/ul	0.00
30) Pyrene-d10	19.41	212	1305827	25.03	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1368318	24.84	ng/ul	-0.01

Target Compounds

						Qvalue
25) Phenanthrene	17.05	178	60958	1.14	ng/ul	96
28) Fluoranthene	19.07	202	148214	2.35	ng/ul	99
31) Pyrene	19.44	202	130877	1.89	ng/ul	98
32) Benzo(a)anthracene	21.19	228	87006	1.25	ng/ul	97
33) Chrysene	21.24	228	87252	1.36	ng/ul	95
35) Benzo(b)fluoranthene	22.75	252	123006	1.71	ng/ul	98
38) Benzo(a)pyrene	23.31	252	80619	1.15	ng/ul	97

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

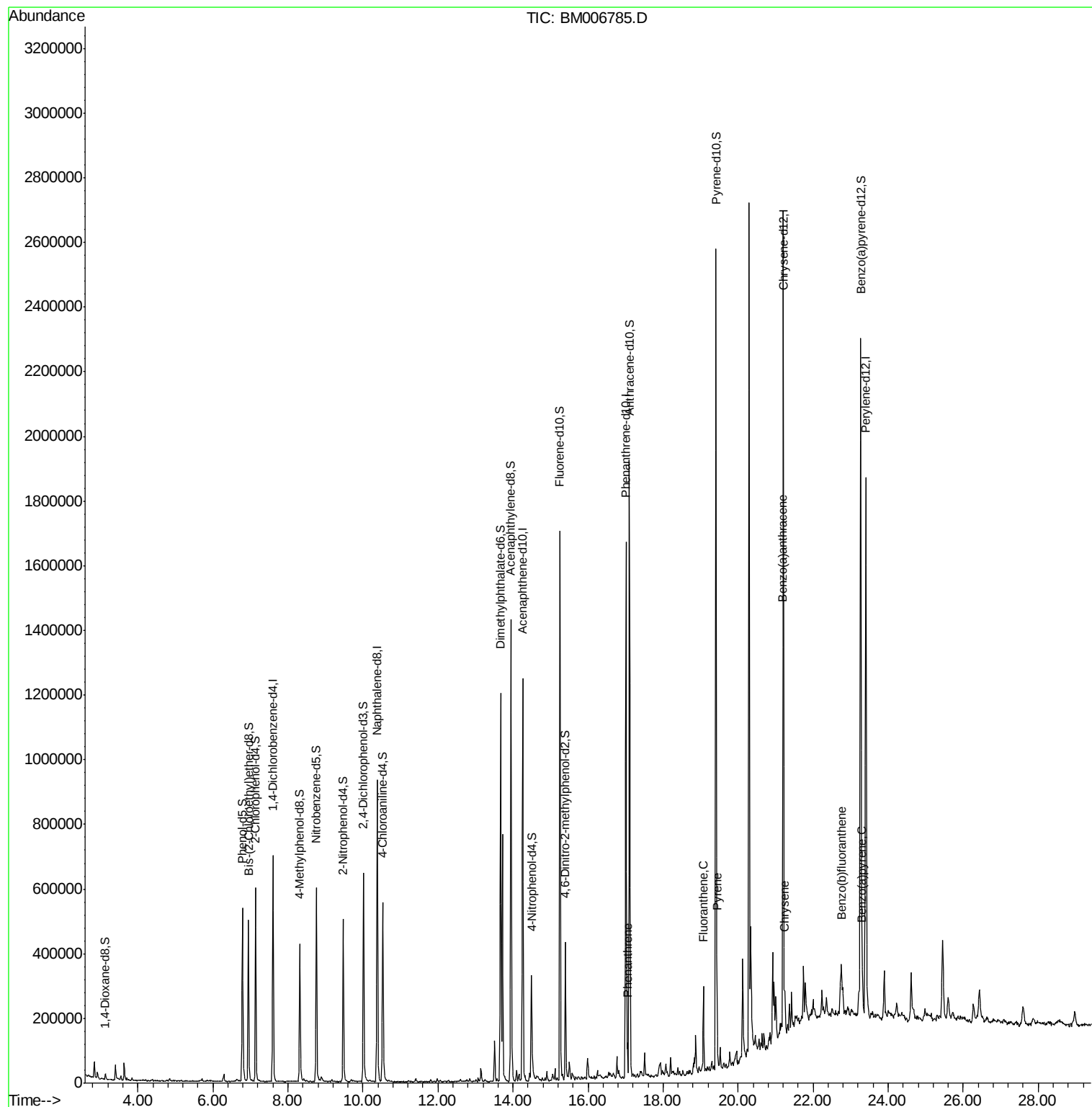
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
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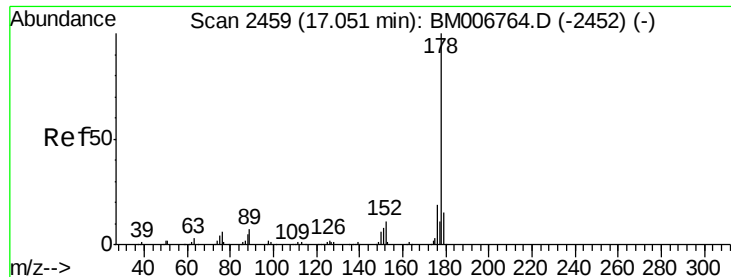
Instrument :
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Quant Time: Aug 01 07:02:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.14 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006785.D

Acq: 31 Jul 2016 12:30

Instrument :

BNA_M

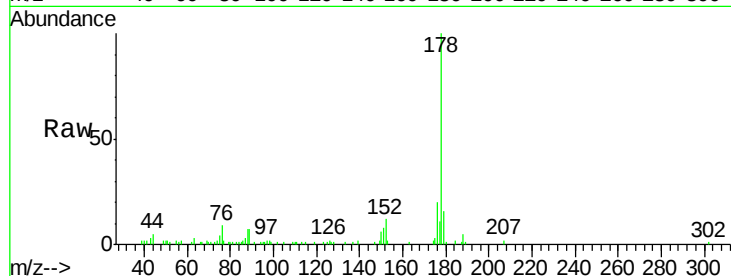
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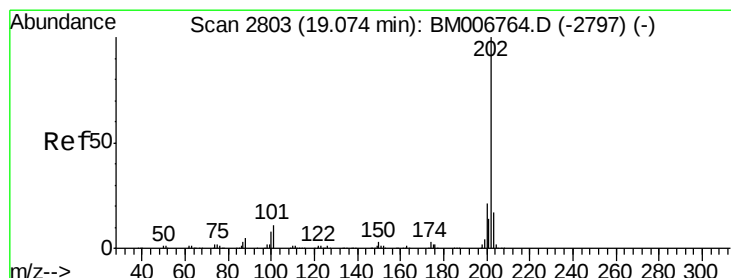
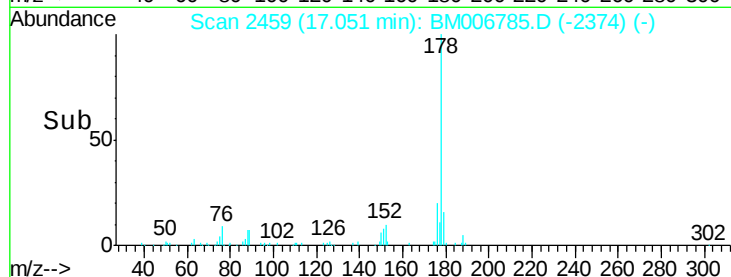
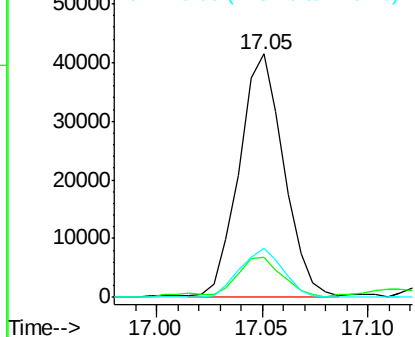
Tgt Ion:	178	Resp:	60958
Ion Ratio	Lower	Upper	
178	100		
179	16.4	11.8	17.8
176	20.3	14.8	22.2

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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: 2.35 ng/ul

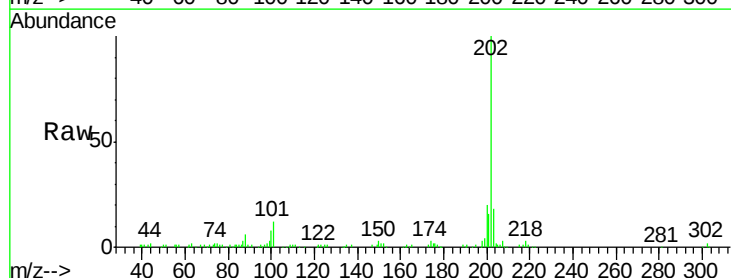
RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

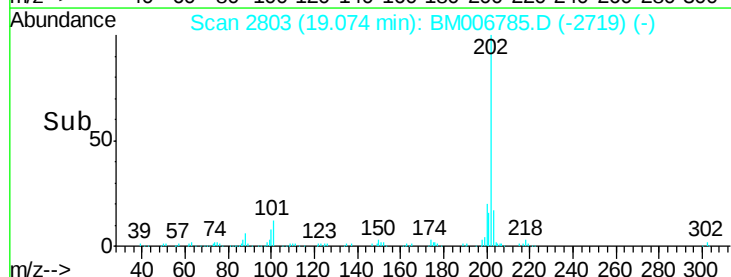
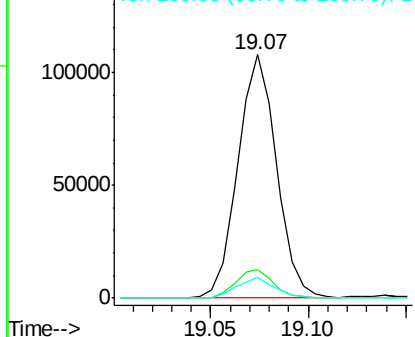
Lab File: BM006785.D

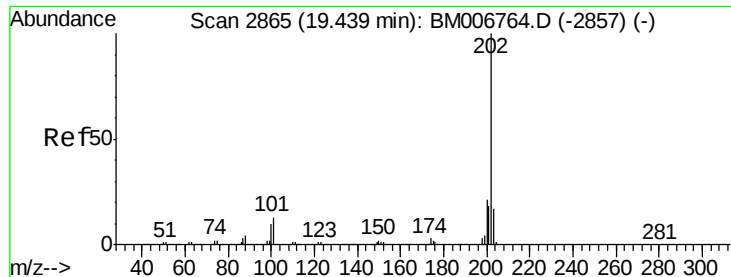
Acq: 31 Jul 2016 12:30

Tgt Ion:	202	Resp:	148214
Ion Ratio	Lower	Upper	
202	100		
101	11.7	8.9	13.3
100	8.4	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





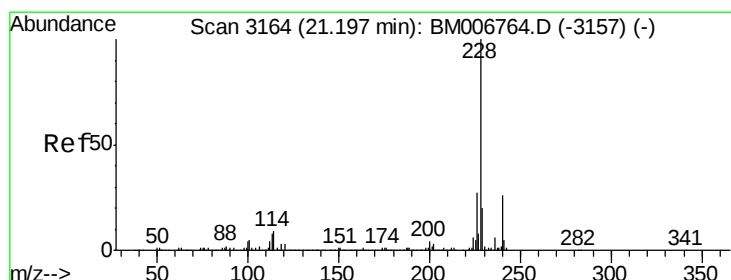
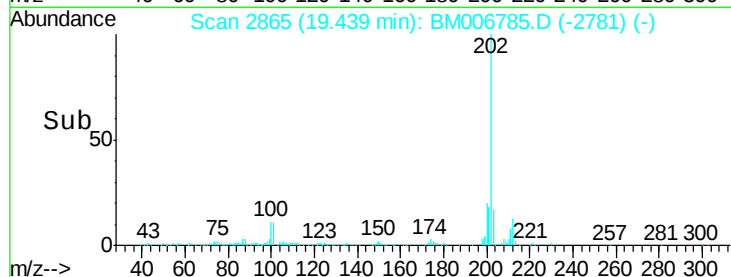
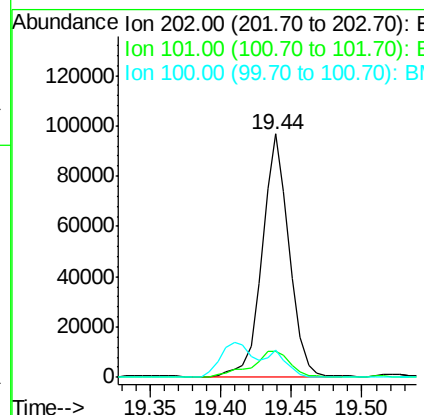
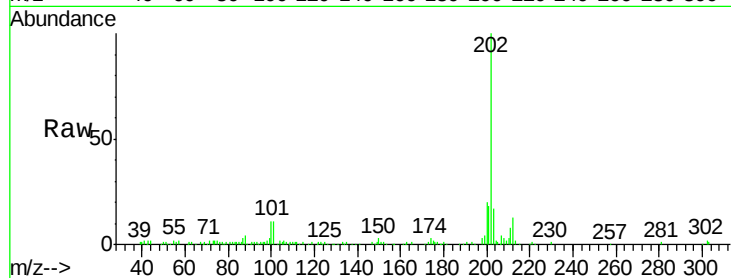
#31
Pyrene
Concen: 1.89 ng/ul
RT: 19.44 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BM006785.D
Acq: 31 Jul 2016 12:30

Instrument :
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D9ZM4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	9.8	14.8
100	11.1	9.3	13.9

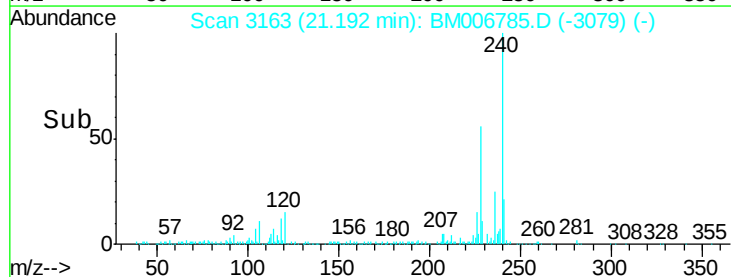
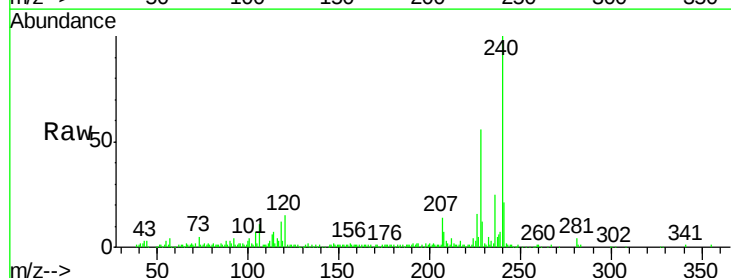
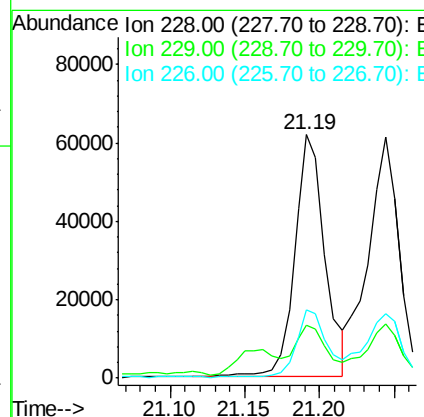
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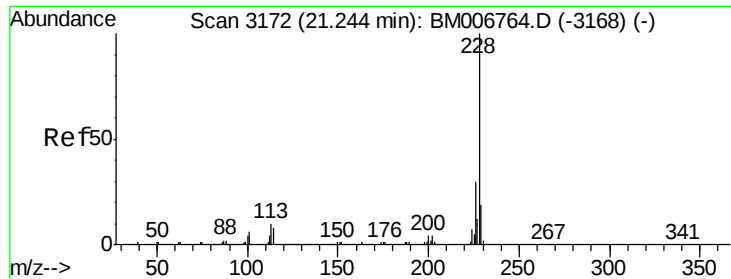
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#32
Benzo(a)anthracene
Concen: 1.25 ng/ul
RT: 21.19 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BM006785.D
Acq: 31 Jul 2016 12:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	16.6	25.0
226	27.9	21.0	31.4





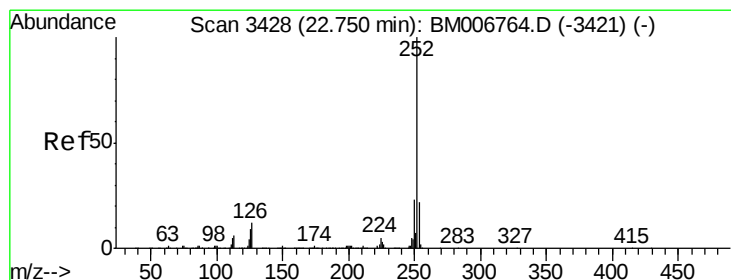
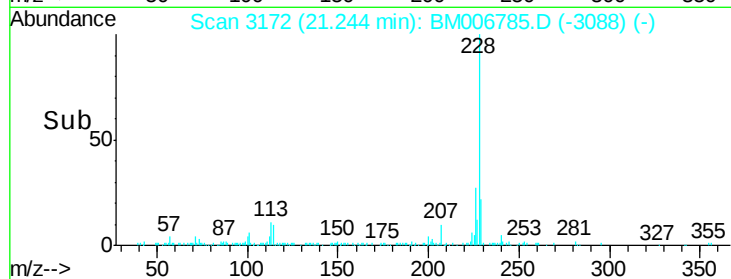
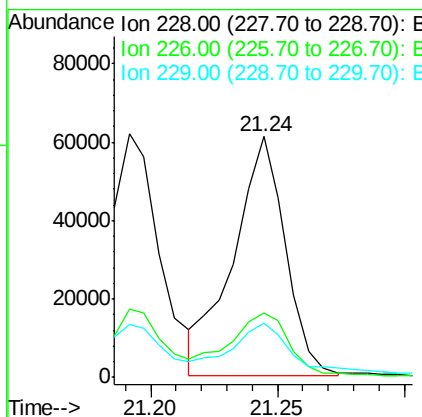
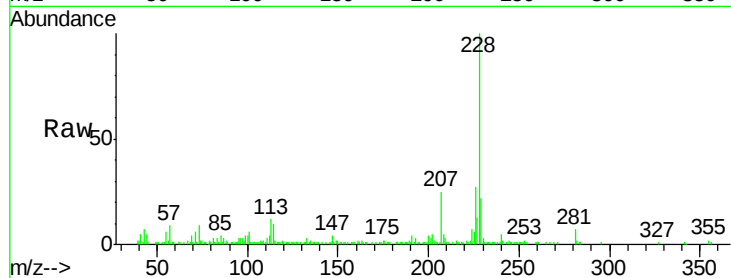
#33
Chrysene
 Concen: 1.36 ng/ul
 RT: 21.24 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BM006785.D
 Acq: 31 Jul 2016 12:30

Instrument :
 BNA_M
 ClientSampleId :
 D9ZM4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	23.4	35.2
229	22.4	16.2	24.2

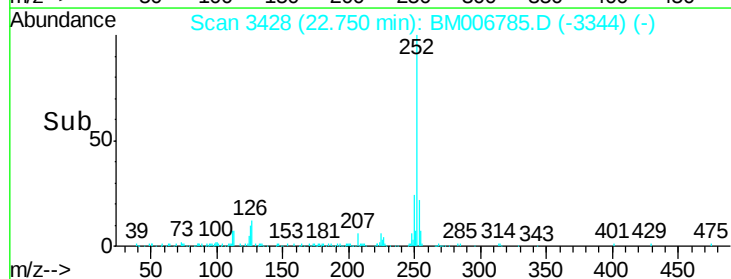
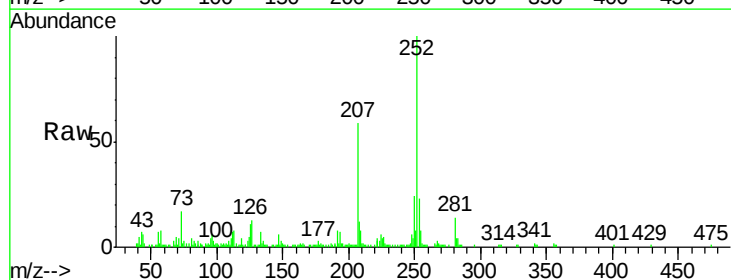
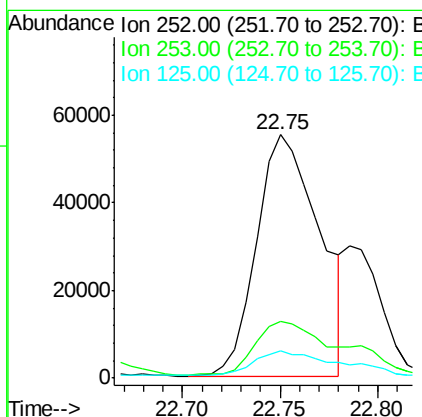
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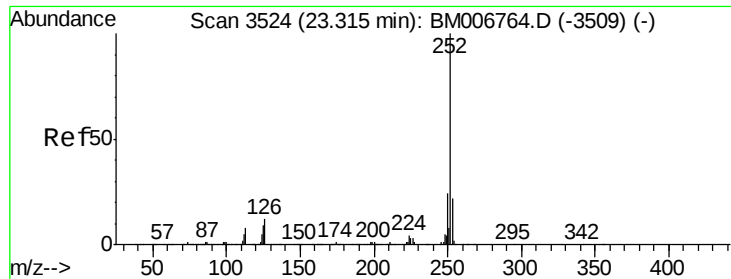
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#35
Benzo(b)fluoranthene
 Concen: 1.71 ng/ul
 RT: 22.75 min Scan# 3428
 Delta R.T. -0.01 min
 Lab File: BM006785.D
 Acq: 31 Jul 2016 12:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.2	7.6	11.4





#38

Benzo(a)pyrene

Concen: 1.15 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006785.D

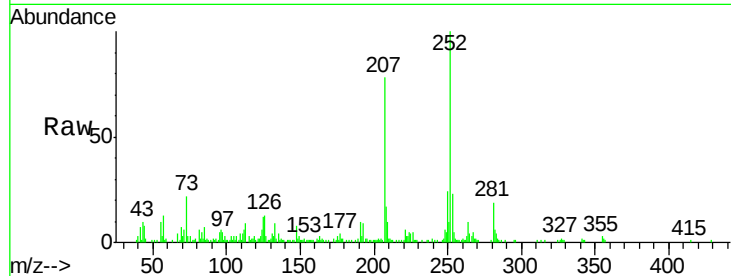
Acq: 31 Jul 2016 12:30

Instrument :

BNA_M

ClientSampleId :

D9ZM4



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.1	8.2	12.2

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