

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006074.D
 Acq On : 27 Jun 2016 17:45
 Operator : UM/SJ
 Sample : H3669-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y72

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Quant Time: Jun 28 03:14:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	163498	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	903491	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	626204	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1598855	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1836610	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1673711	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	3645	1.00	ng/uL	0.00
3) Phenol-d5	6.83	99	191717	11.15	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	115926	12.12	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	145567	12.15	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	136396	9.39	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	79702	11.59	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	84695	11.07	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	175781	11.97	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	161238	10.12	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	623918	11.64	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	796416	12.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	81089	7.09	ng/ul	-0.01
21) Fluorene-d10	15.30	176	595515	13.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	40121	4.52	ng/ul	-0.01
26) Anthracene-d10	17.16	188	973771	13.26	ng/ul	0.00
30) Pyrene-d10	19.46	212	1198456	14.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	977486	12.94	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.10	178	171862	2.00	ng/ul	99
28) Fluoranthene	19.12	202	326876	2.97	ng/ul	99
31) Pyrene	19.49	202	277818	2.64	ng/ul	96
32) Benzo(a)anthracene	21.24	228	172531	1.58	ng/ul#	91
33) Chrysene	21.29	228	222095m	2.23	ng/ul	
35) Benzo(b)fluoranthene	22.81	252	286412	2.95	ng/ul#	91
38) Benzo(a)pyrene	23.37	252	161163	1.73	ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	25.69	276	121179	1.09	ng/ul#	94
41) Benzo(g,h,i)perylene	26.37	276	119541	1.24	ng/ul	97

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

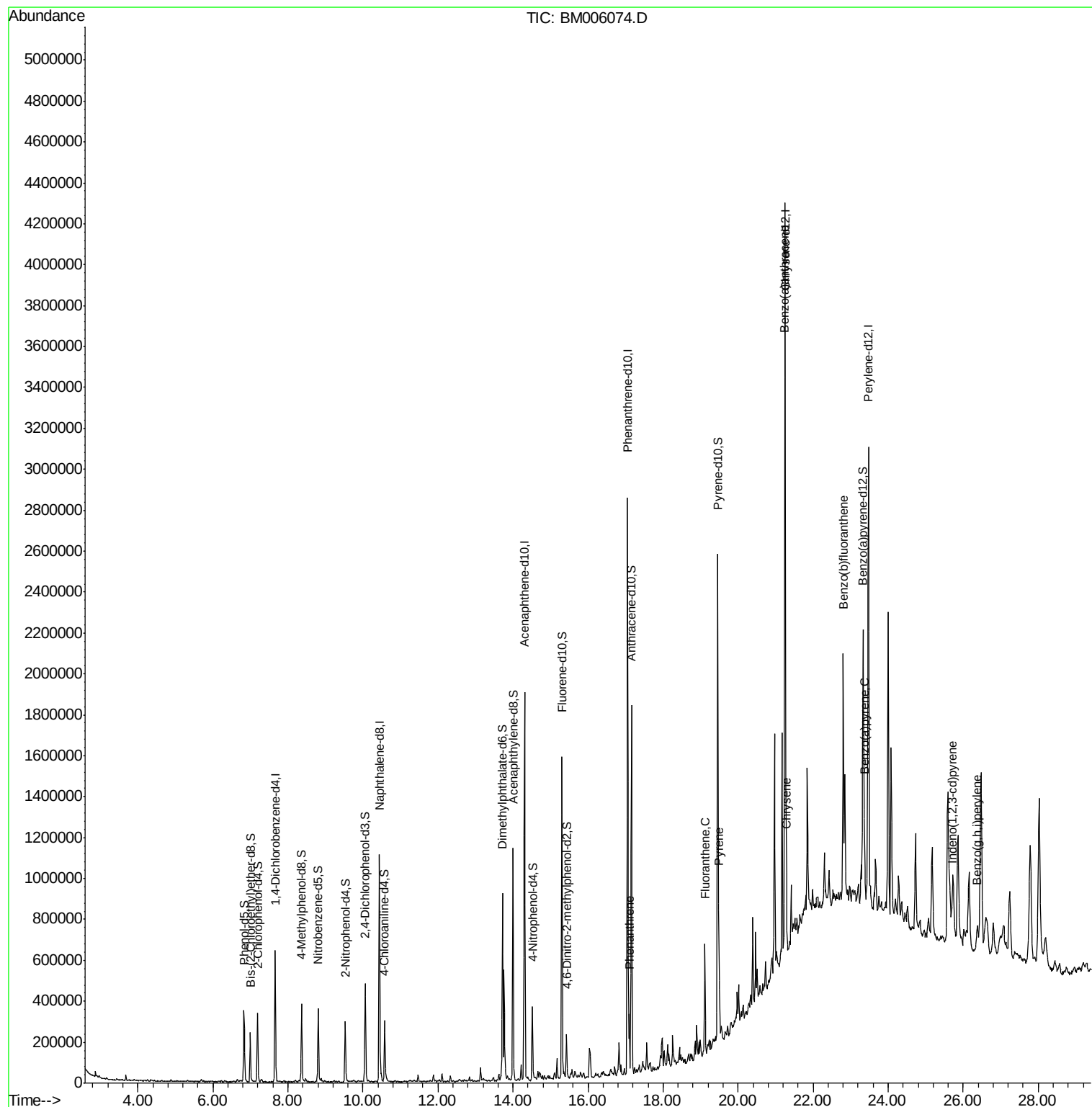
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
Data File : BM006074.D
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ALS Vial : 9 Sample Multiplier: 1

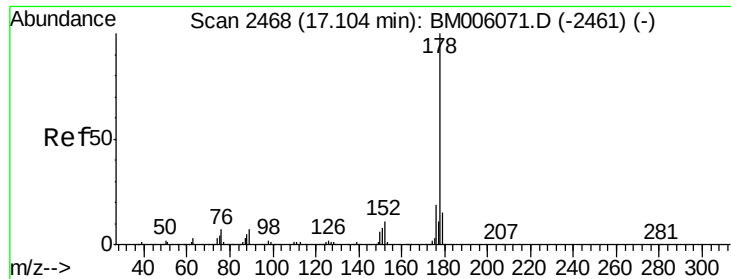
Instrument :
BNA_M
ClientSampleId :
D9Y72

Quant Time: Jun 28 03:14:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
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#25

Phenanthrene

Concen: 2.00 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006074.D

Acq: 27 Jun 2016 17:45

Instrument :

BNA_M

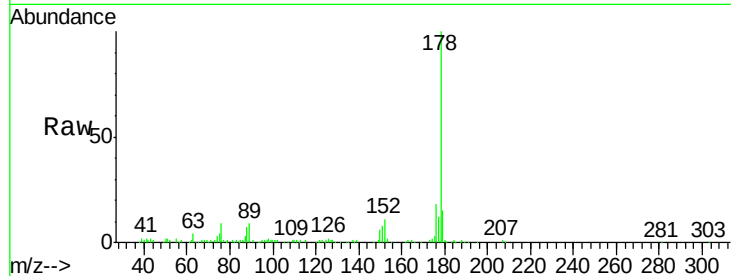
ClientSampleId :

D9Y72

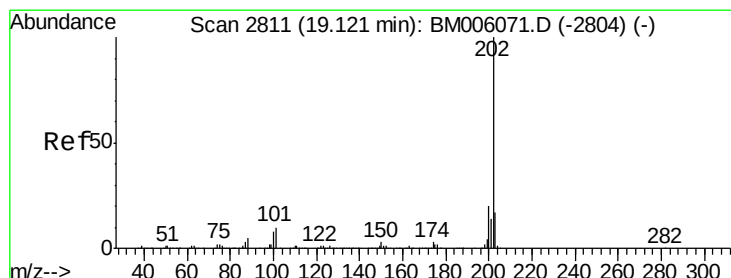
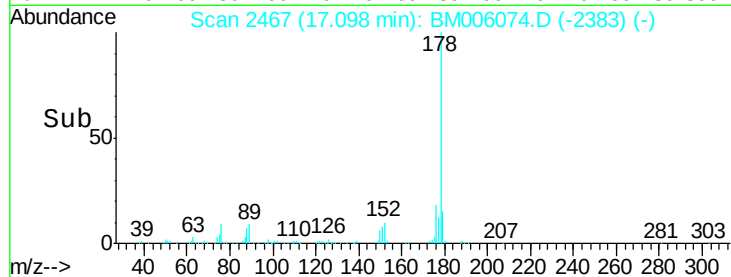
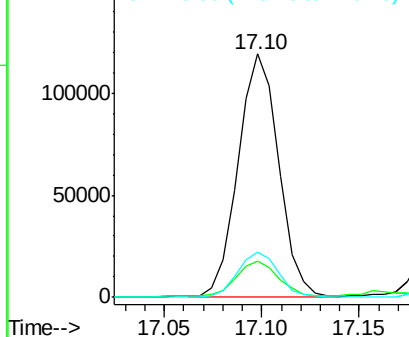
Tgt Ion:	178	Resp:	171862
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.2	18.2
176	18.4	15.3	22.9

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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: 2.97 ng/ul

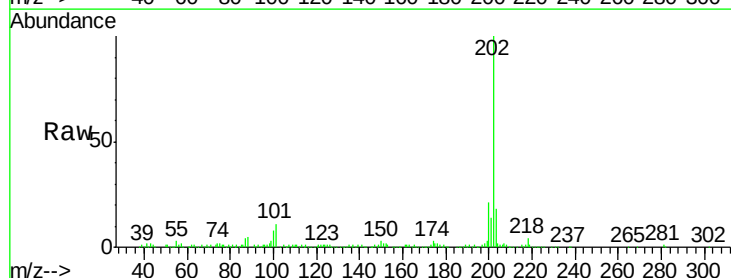
RT: 19.12 min Scan# 2811

Delta R.T. 0.00 min

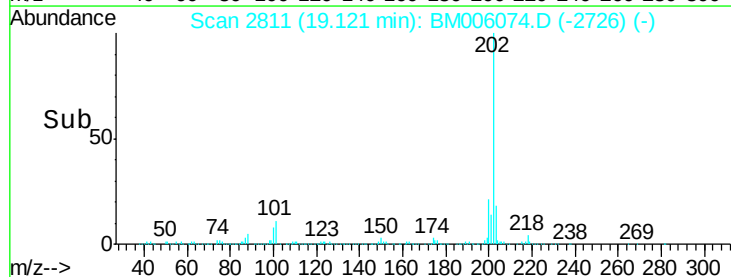
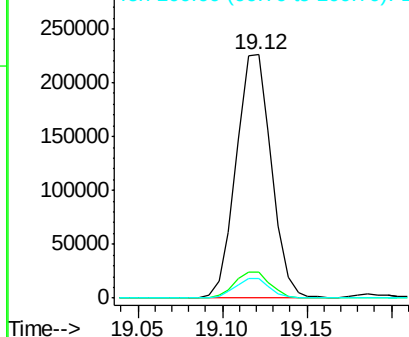
Lab File: BM006074.D

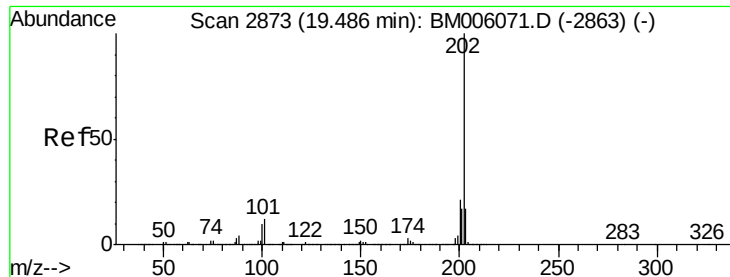
Acq: 27 Jun 2016 17:45

Tgt Ion:	202	Resp:	326876
Ion Ratio	Lower	Upper	
202	100		
101	10.8	8.5	12.7
100	7.9	6.5	9.7



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





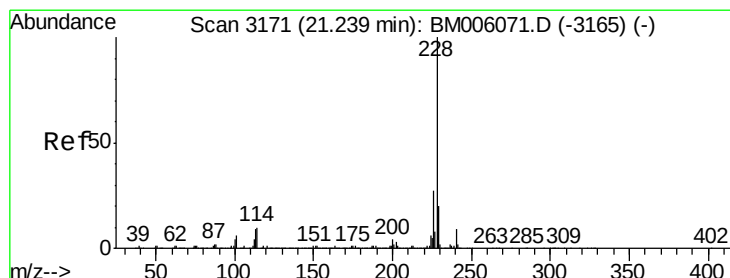
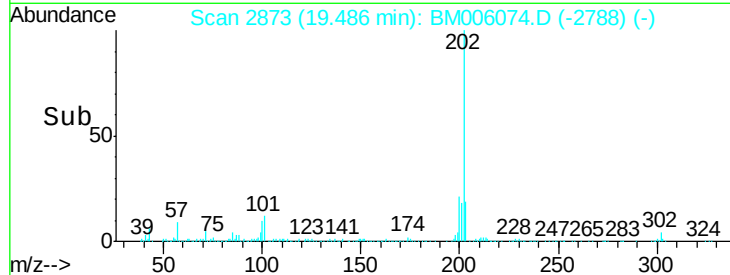
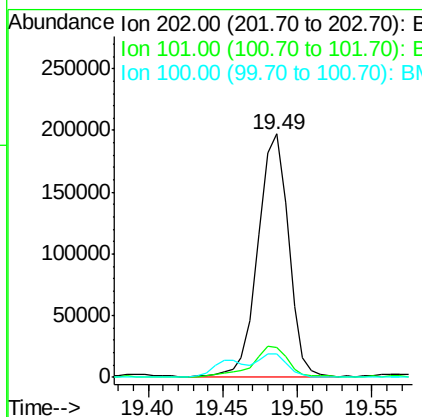
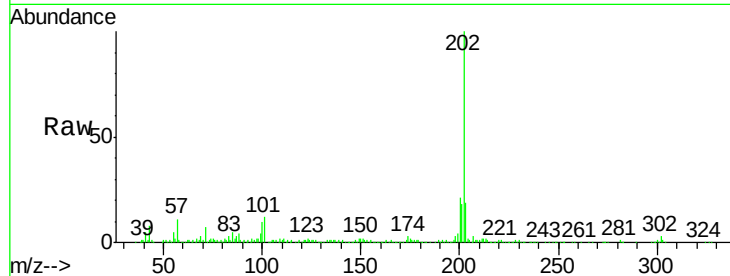
#31
 Pyrene
 Concen: 2.64 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BM006074.D
 Acq: 27 Jun 2016 17:45

Instrument :
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 ClientSampleId :
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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		277818		
101	12.0	11.0	16.4		
100	9.6	8.9	13.3		

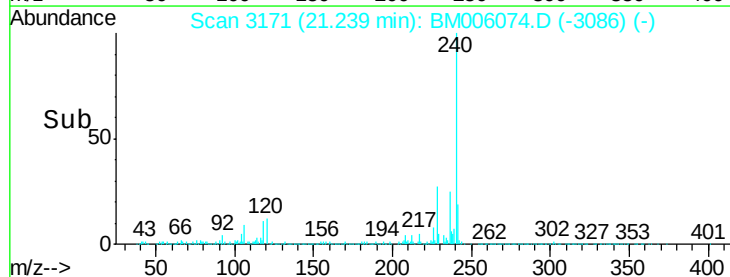
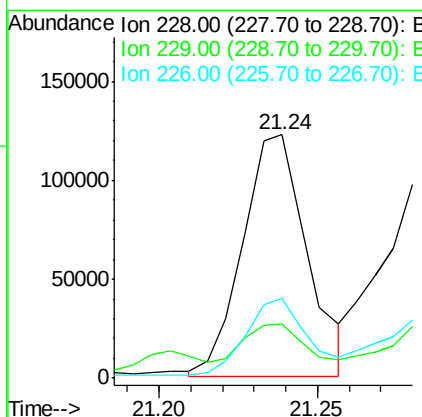
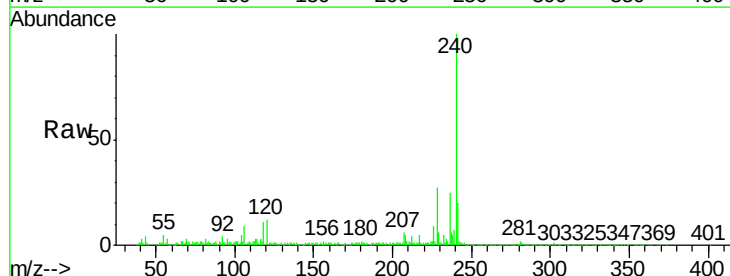
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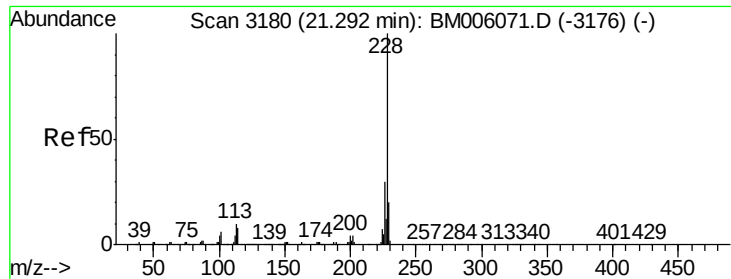
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#32
 Benzo(a)anthracene
 Concen: 1.58 ng/ul
 RT: 21.24 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: BM006074.D
 Acq: 27 Jun 2016 17:45

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		172531		
229	22.3	15.6	23.4		
226	32.6	21.6	32.4#		





#33

Chrysene

Concen: 2.23 ng/ul m

RT: 21.29 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BM006074.D

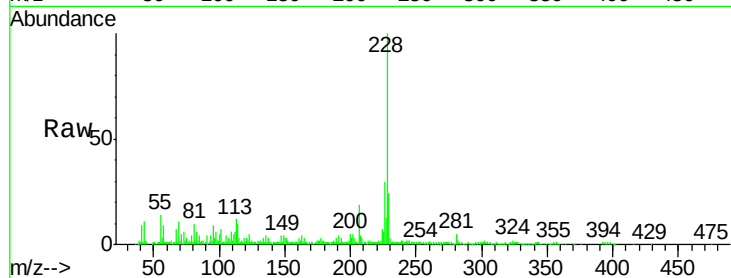
Acq: 27 Jun 2016 17:45

Instrument :

BNA_M

ClientSampleId :

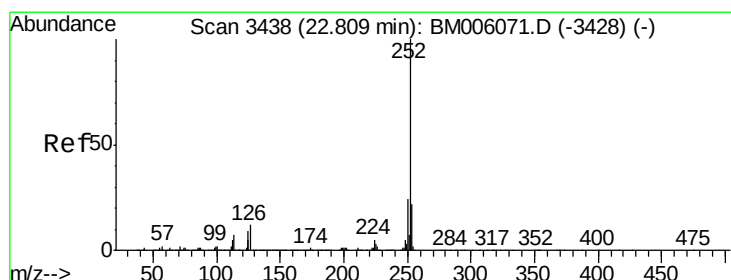
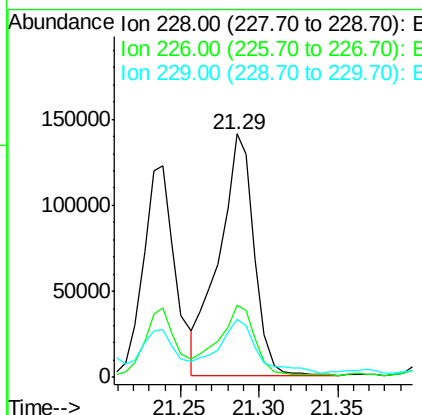
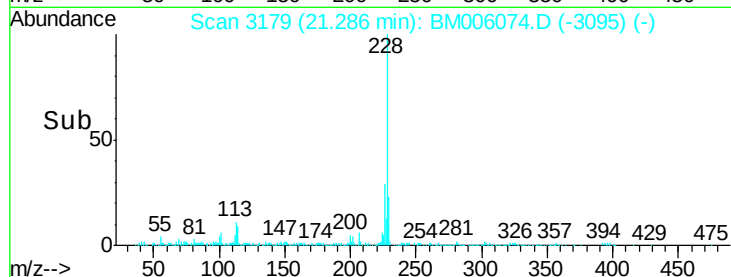
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	222095		
226	29.7	23.8	35.6	
229	23.7	15.8	23.6	

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#35

Benzo(b)fluoranthene

Concen: 2.95 ng/ul

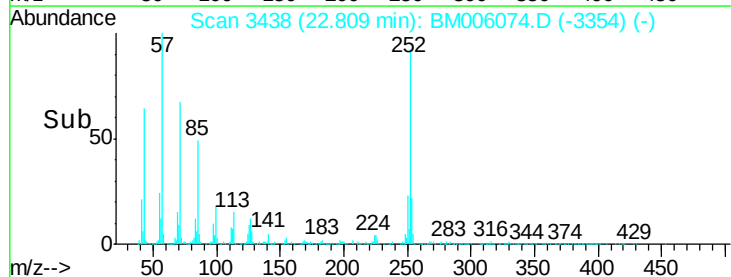
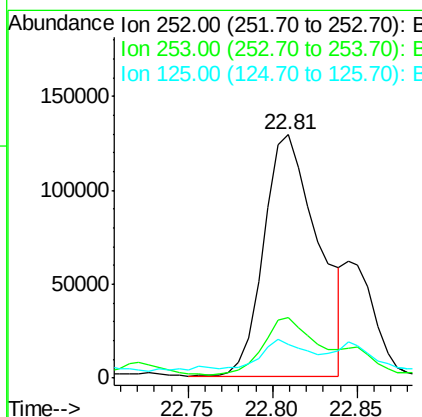
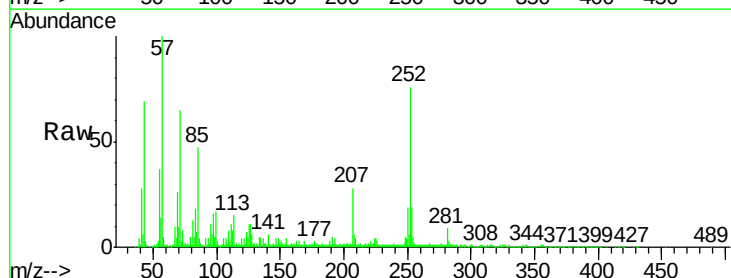
RT: 22.81 min Scan# 3438

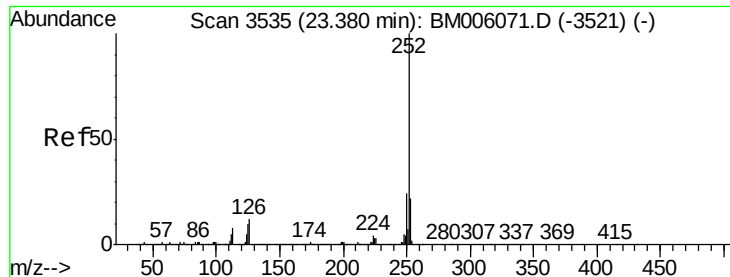
Delta R.T. -0.01 min

Lab File: BM006074.D

Acq: 27 Jun 2016 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	286412		
253	25.0	17.2	25.8	
125	14.0	7.8	11.6	





#38

Benzo(a)pyrene

Concen: 1.73 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BM006074.D

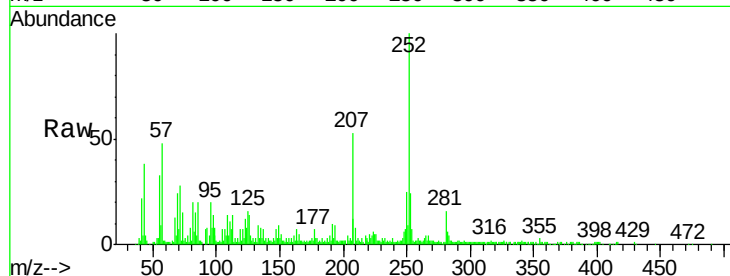
Acq: 27 Jun 2016 17:45

Instrument :

BNA_M

ClientSampleId :

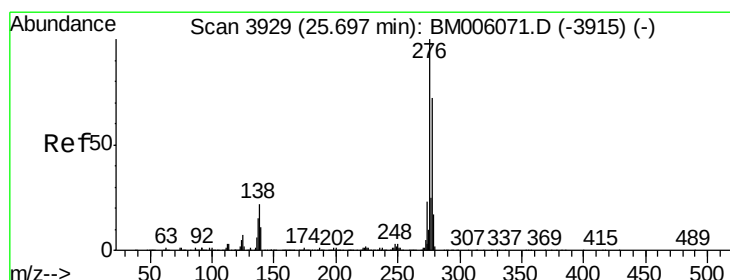
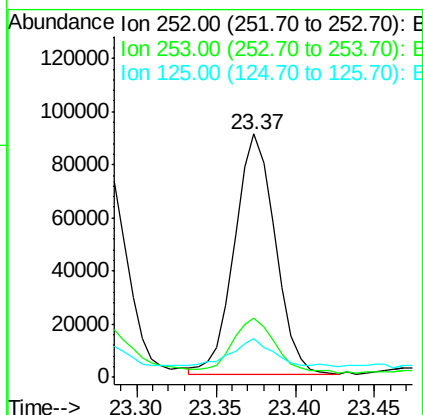
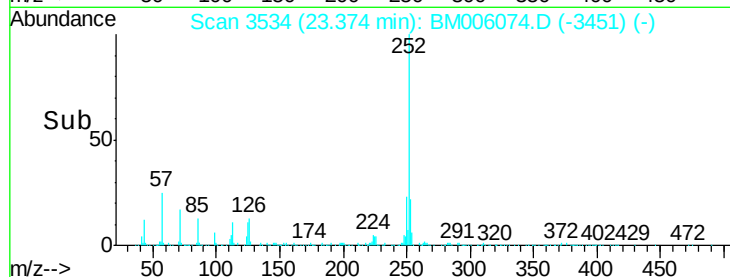
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	16.2	8.7	13.1

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#39

Indeno(1,2,3-cd)pyrene

Concen: 1.09 ng/ul

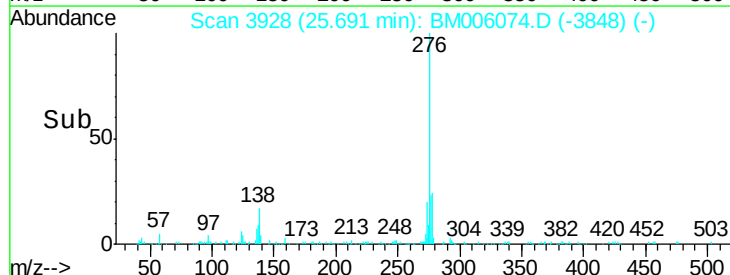
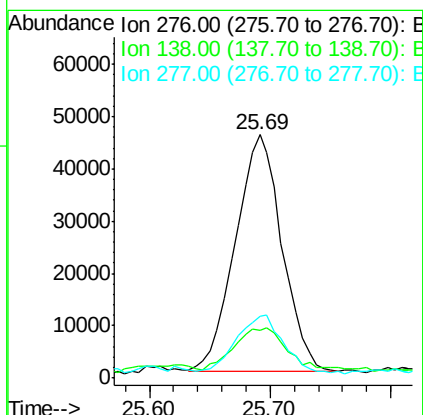
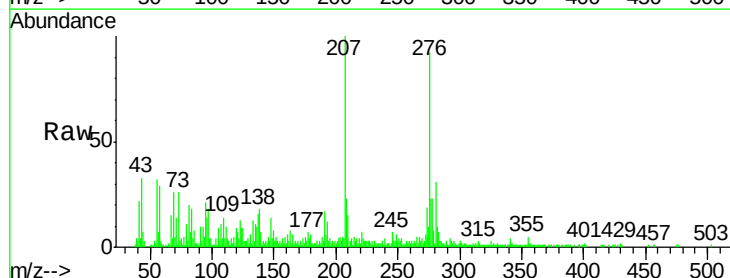
RT: 25.69 min Scan# 3928

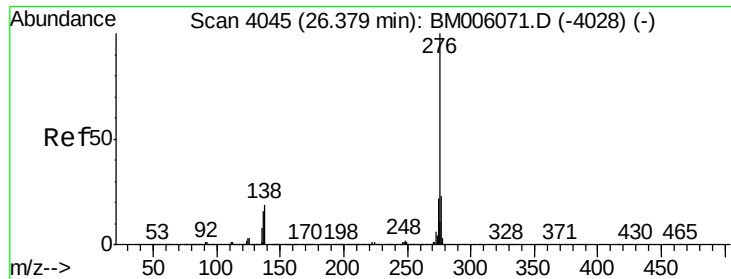
Delta R.T. -0.03 min

Lab File: BM006074.D

Acq: 27 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	20.4	30.6
277	25.2	20.6	30.8





#41
 Benzo(g,h,i)perylene
 Concen: 1.24 ng/ul
 RT: 26.37 min Scan# 4044
 Delta R.T. -0.02 min
 Lab File: BM006074.D
 Acq: 27 Jun 2016 17:45

Instrument :
 BNA_M
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 D9Y72

Tgt Ion:	276	Resp:	119541
Ion Ratio	Lower	Upper	
276	100		
138	21.0	16.6	25.0
277	26.0	18.9	28.3

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