

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006089.D
 Acq On : 28 Jun 2016 02:46
 Operator : UM/SJ
 Sample : H3779-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YE0

Manual Integrations
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Quant Time: Jun 28 04:22:29 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	291287	20.00	ng/ul	0.00
7) Naphthalene-d8	10.45	136	1437405	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.32	164	896654	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2138949	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1968224	20.00	ng/ul	0.00
34) Perylene-d12	23.49	264	1754464	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5052	0.77	ng/uL	0.00
3) Phenol-d5	6.84	99	319606	10.43	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	190475	11.17	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	243149	11.39	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	268892	10.40	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	126064	11.52	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	129304	10.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.07	165	266807	11.42	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	286920	11.32	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	825489	10.75	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1096118	12.31	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	146097	8.92	ng/ul	0.00
21) Fluorene-d10	15.31	176	768587	11.73	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	32061	2.70	ng/ul	0.00
26) Anthracene-d10	17.16	188	1225993	12.48	ng/ul	0.00
30) Pyrene-d10	19.46	212	1354413	15.71	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	961001	12.13	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.10	178	365615	3.18	ng/ul	100
28) Fluoranthene	19.13	202	1090688	7.40	ng/ul	99
31) Pyrene	19.49	202	862641	7.66	ng/ul	95
32) Benzo(a)anthracene	21.24	228	431738	3.69	ng/ul	95
33) Chrysene	21.30	228	474020	4.44	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	650341	6.38	ng/ul	98
36) Benzo(k)fluoranthene	22.86	252	154494m	1.63	ng/ul	
38) Benzo(a)pyrene	23.39	252	369406	3.78	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.71	276	288659	2.48	ng/ul#	93
41) Benzo(g,h,i)perylene	26.39	276	256697	2.55	ng/ul	96

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

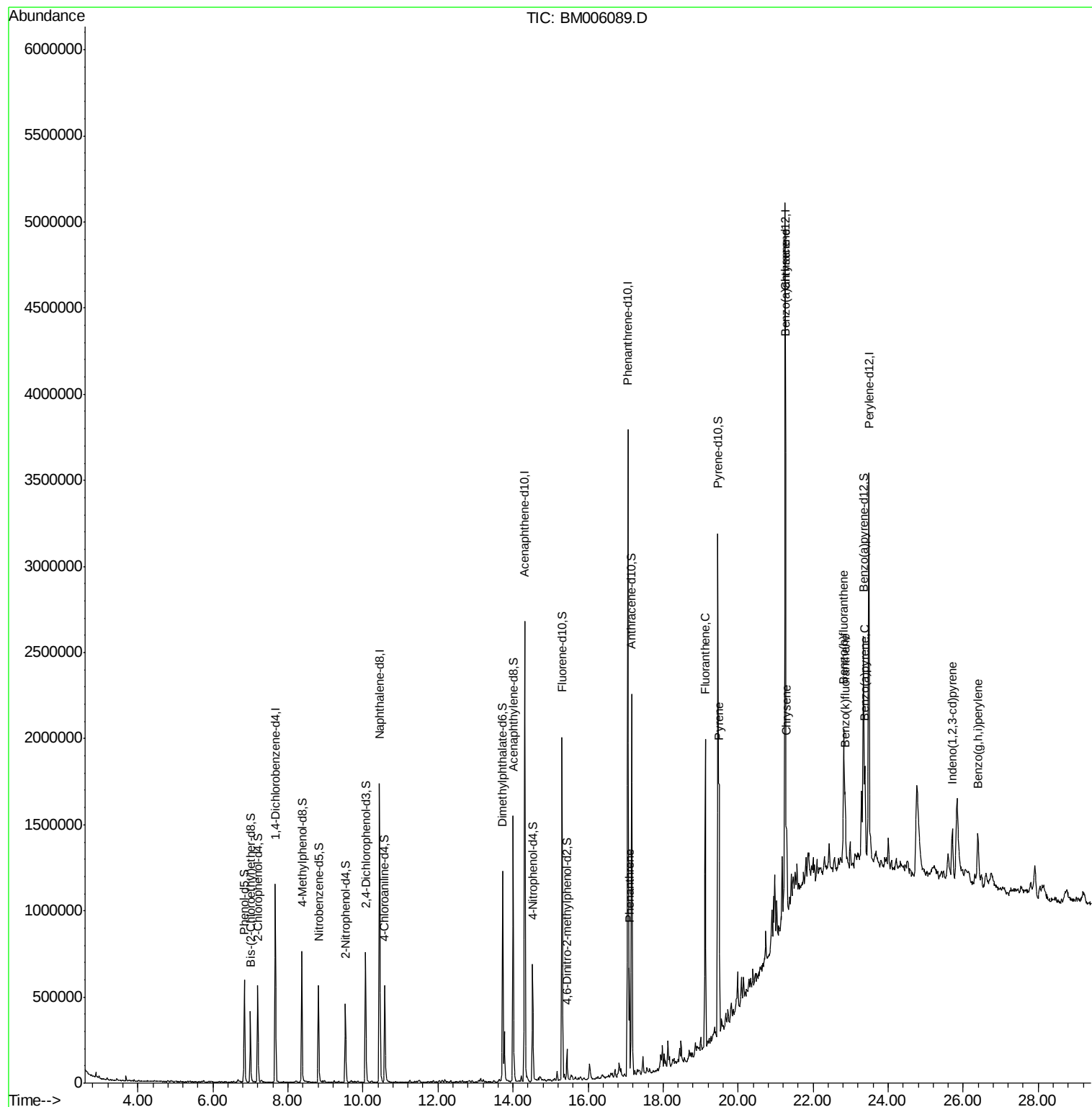
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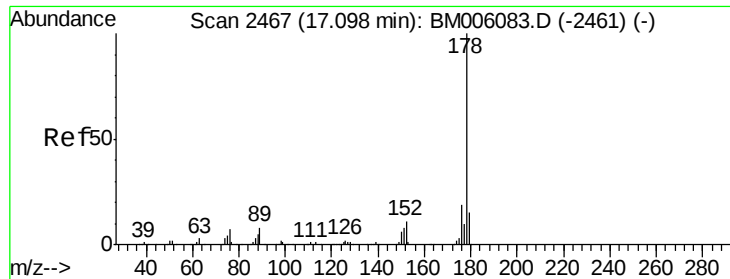
Instrument :
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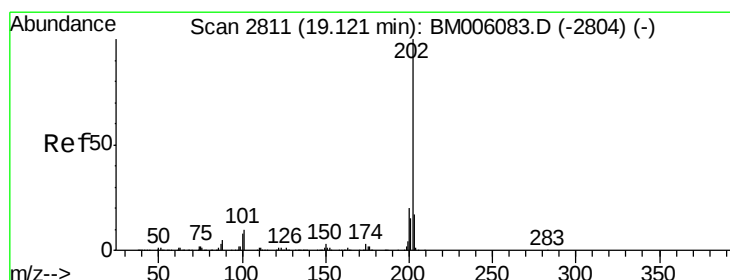
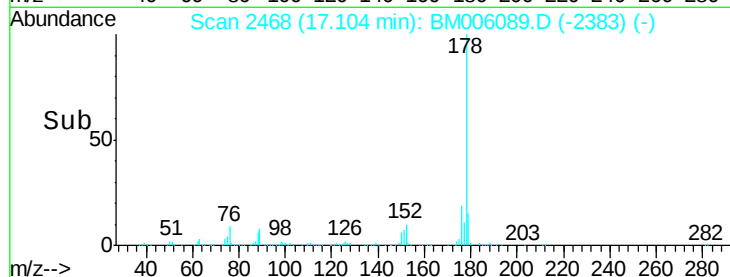
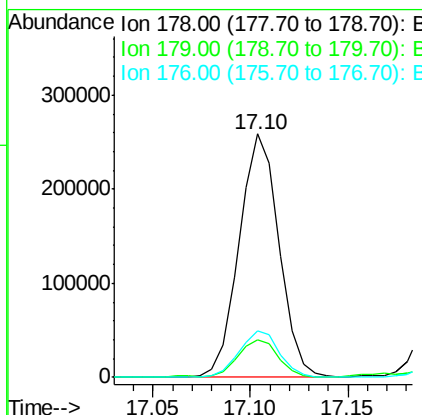
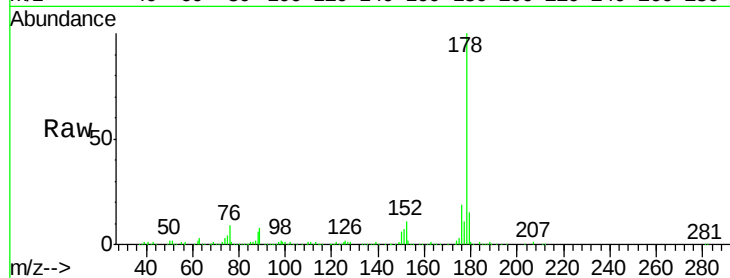
#25
Phenanthrene
Concen: 3.18 ng/ul
RT: 17.10 min Scan# 2468
Delta R.T. 0.00 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

Instrument :
BNA_M
ClientSampleId :
D9YE0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.3	15.3	22.9

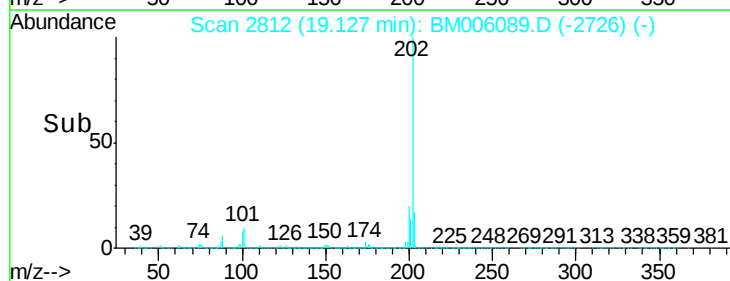
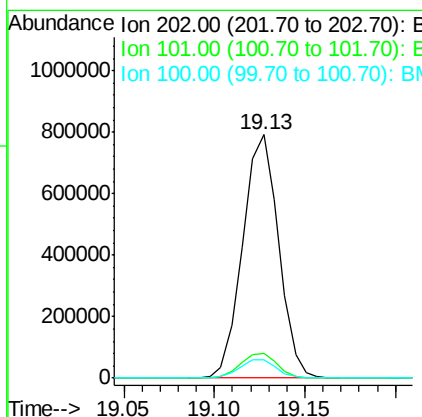
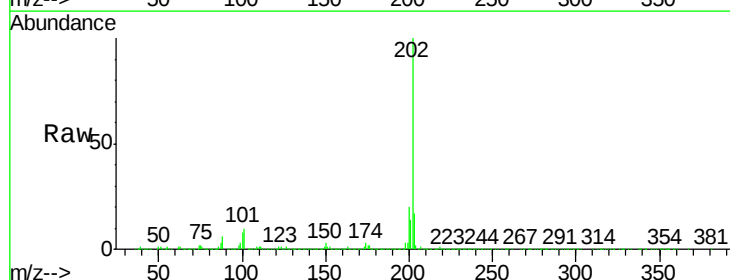
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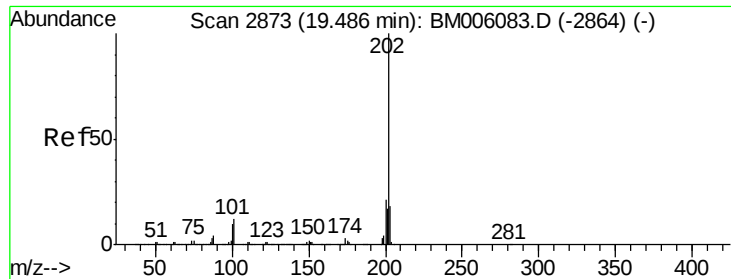
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#28
Fluoranthene
Concen: 7.40 ng/ul
RT: 19.13 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.5	12.7
100	7.6	6.5	9.7





#31

Pyrene

Concen: 7.66 ng/ul

RT: 19.49 min Scan# 2874

Delta R.T. 0.01 min

Lab File: BM006089.D

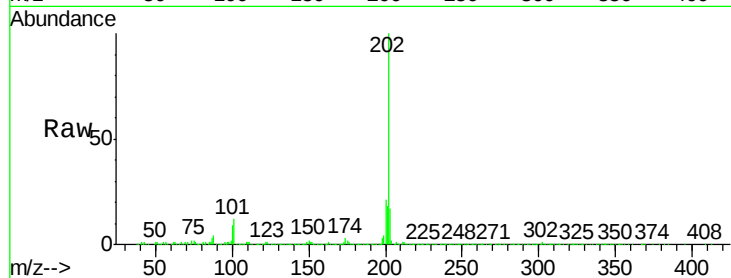
Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

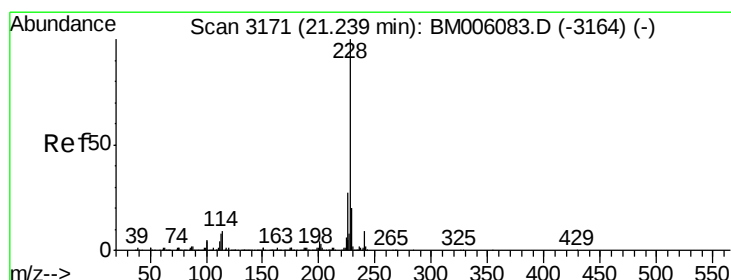
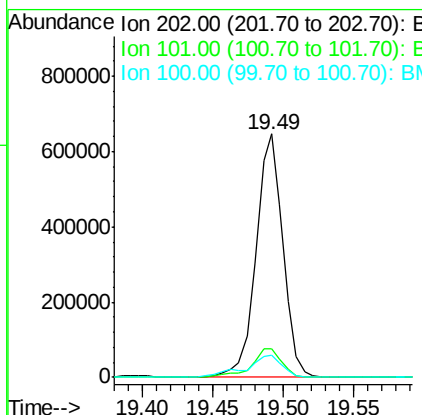
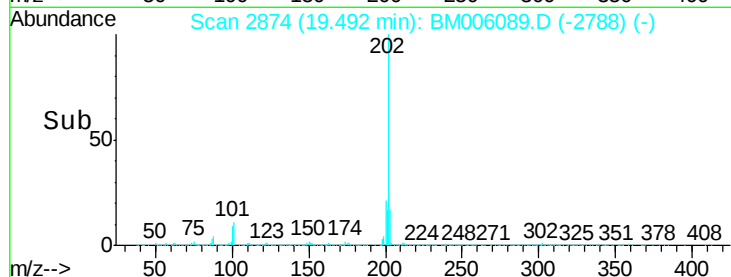
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.5	11.0	16.4
100	9.4	8.9	13.3

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#32

Benzo(a)anthracene

Concen: 3.69 ng/ul

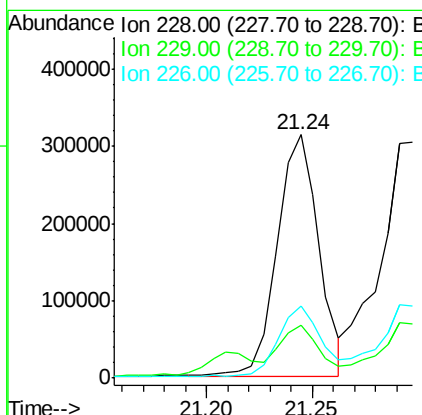
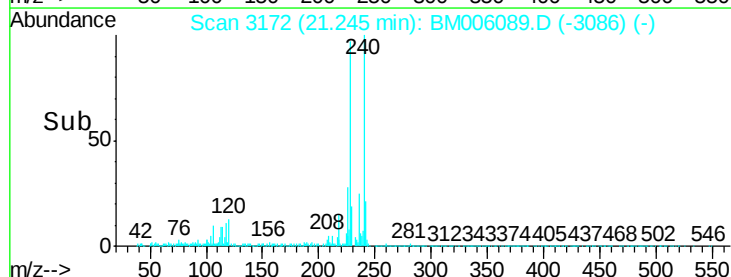
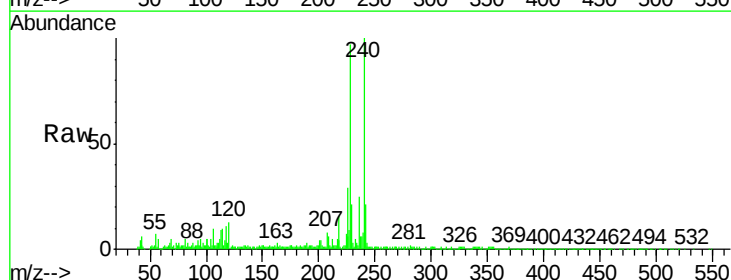
RT: 21.24 min Scan# 3172

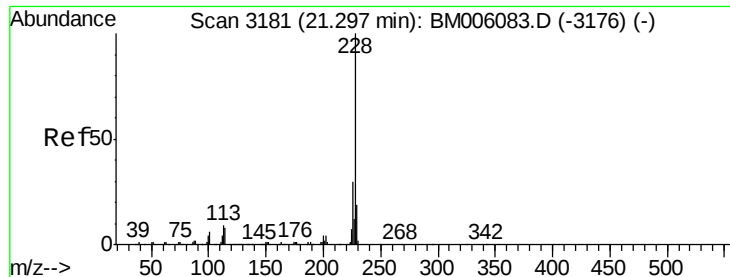
Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	15.6	23.4
226	29.7	21.6	32.4





#33

Chrysene

Concen: 4.44 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BM006089.D

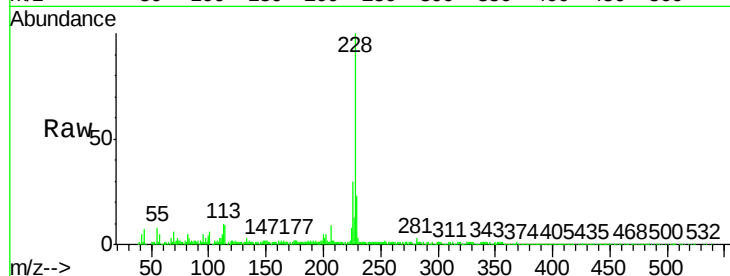
Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

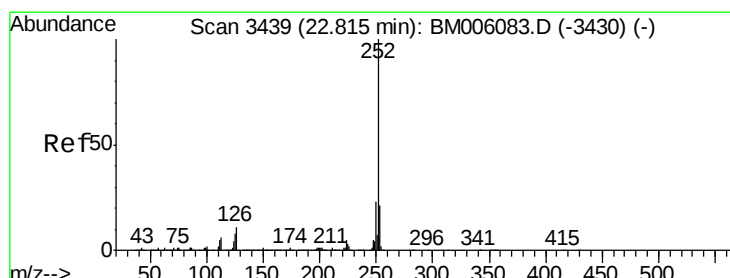
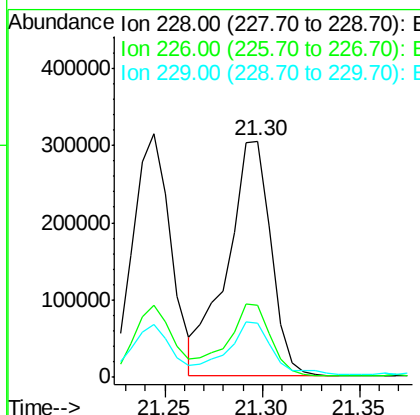
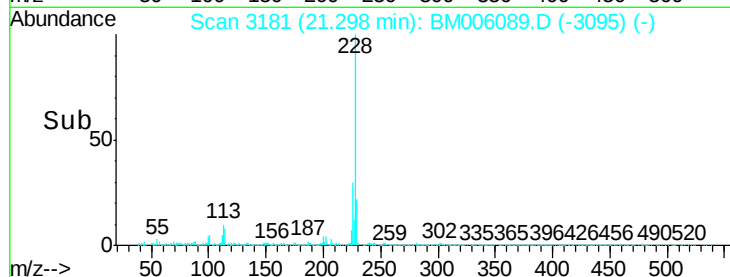
D9YE0



Tgt Ion:	228	Resp:	474020
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.6
229	22.7	15.8	23.6

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#35

Benzo(b)fluoranthene

Concen: 6.38 ng/ul

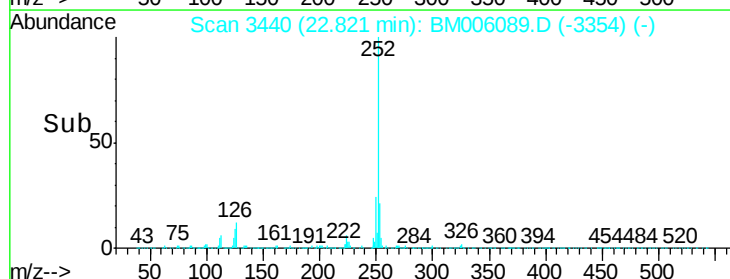
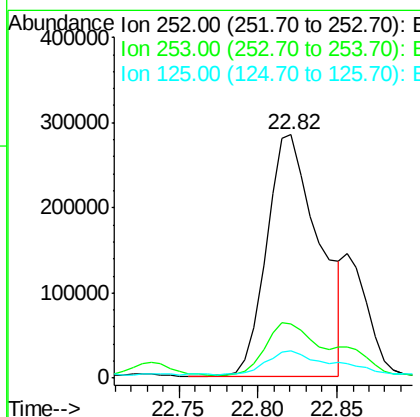
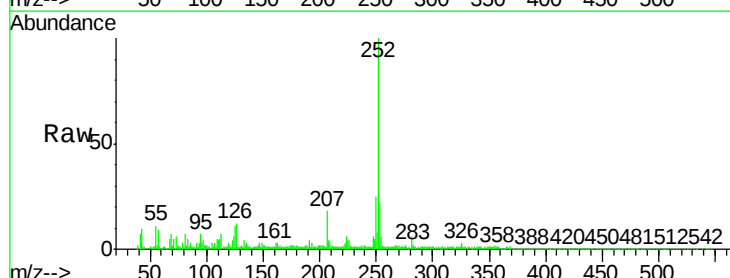
RT: 22.82 min Scan# 3440

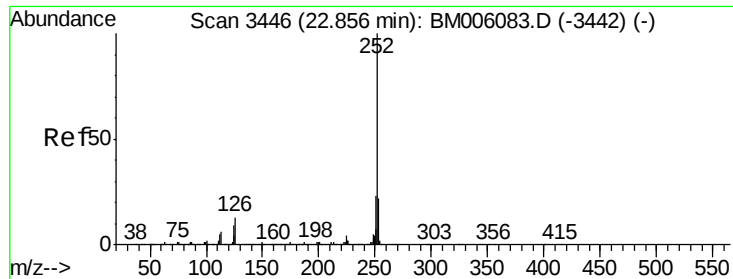
Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Tgt Ion:	252	Resp:	650341
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	11.0	7.8	11.6





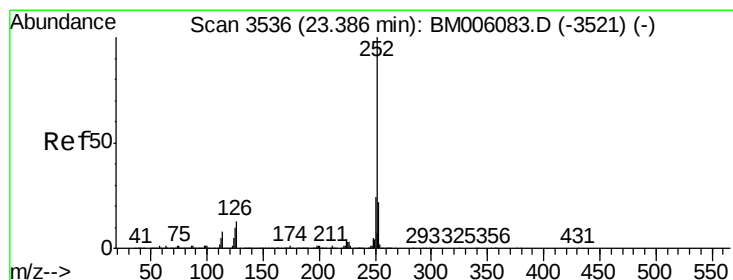
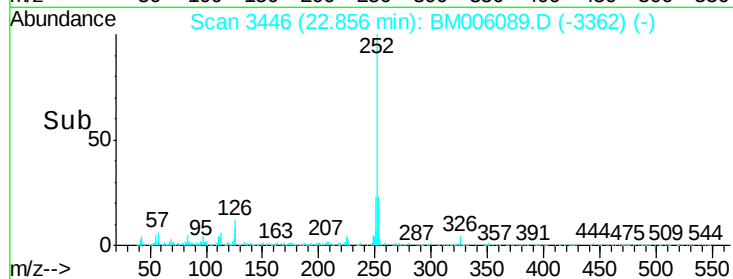
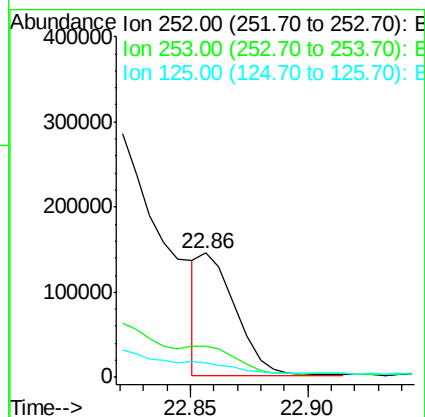
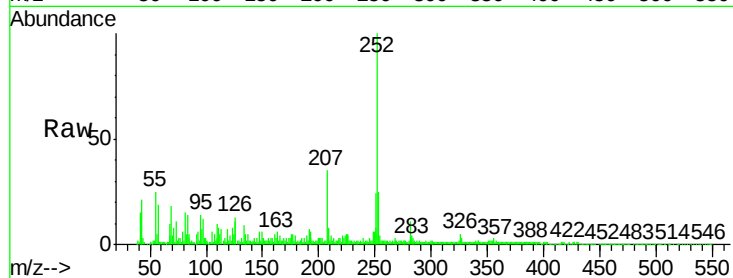
#36
Benzo(k)fluoranthene
Concen: 1.63 ng/ul m
RT: 22.86 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

Instrument :
BNA_M
ClientSampleId :
D9YE0

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	154494		
253	24.8	17.6	26.4	
125	11.2	8.1	12.1	

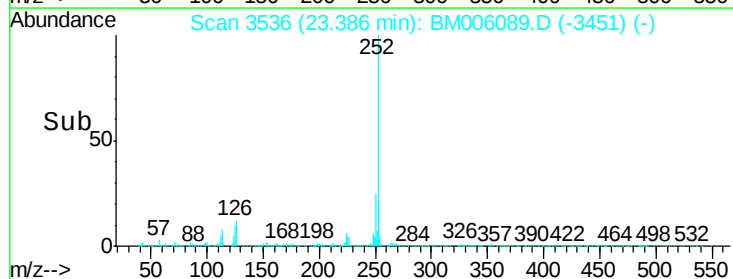
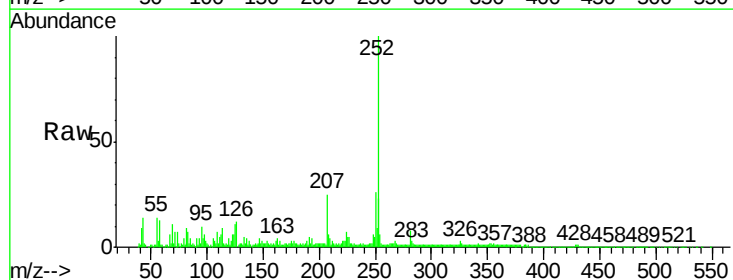
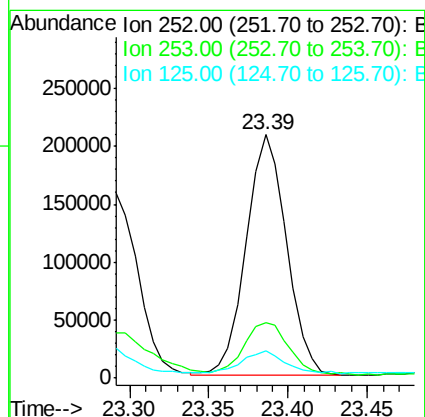
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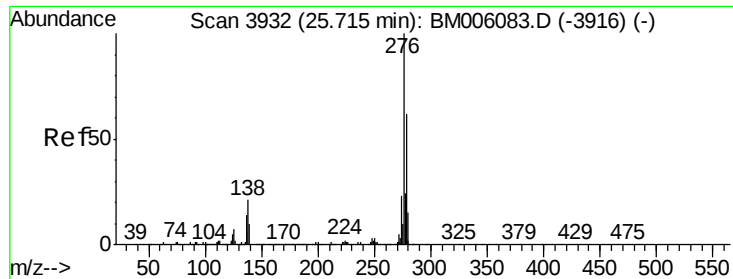
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#38
Benzo(a)pyrene
Concen: 3.78 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	369406		
253	23.0	17.8	26.6	
125	11.4	8.7	13.1	





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. -0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

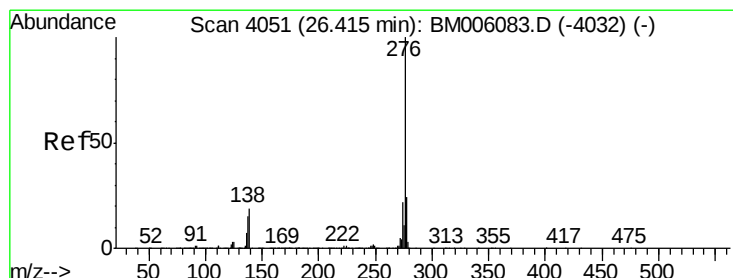
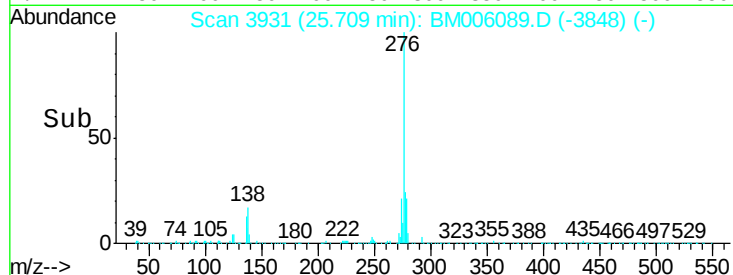
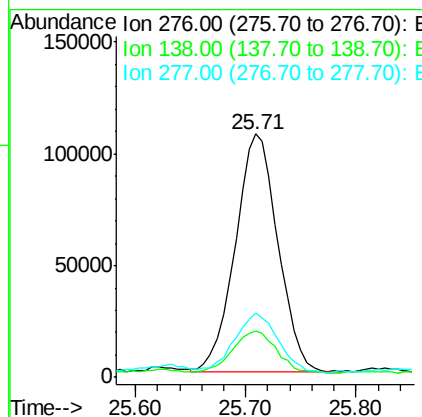
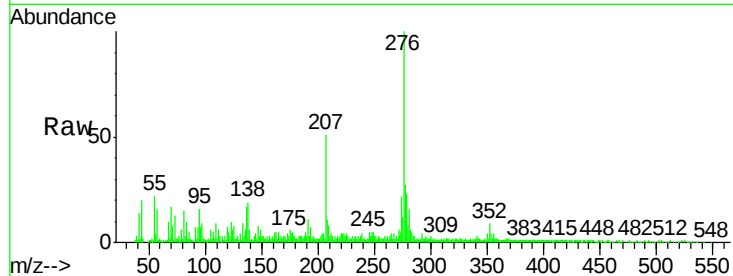
ClientSampleId :

D9YE0

Tgt Ion:	276	Resp:	288659
Ion Ratio		Lower	Upper
276	100		
138	19.0	20.4	30.6#
277	26.6	20.6	30.8

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#41

Benzo(g,h,i)perylene

Concen: 2.55 ng/ul

RT: 26.39 min Scan# 4047

Delta R.T. -0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Tgt Ion:	276	Resp:	256697
Ion Ratio		Lower	Upper
276	100		
138	21.2	16.6	25.0
277	27.0	18.9	28.3

