

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005849.D
 Acq On : 17 Jun 2016 04:02
 Operator : UM/SJ
 Sample : H3535-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y10

Manual Integrations
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Quant Time: Jun 17 05:25:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	25668	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	118634	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	74582	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	179011	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	224862	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	203765	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	805	4.06	ng/uL	0.00
3) Phenol-d5	6.92	99	44732	20.82	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	24424	21.93	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	41647	22.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	31900	16.61	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	20123	24.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	24512	23.96	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	45880	22.70	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	22359	16.35	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	158632	22.48	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	193575	23.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	15448m	18.17	ng/ul	0.01
21) Fluorene-d10	15.37	176	140966	23.45	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	18336	15.18	ng/ul	0.00
26) Anthracene-d10	17.22	188	225156	24.09	ng/ul	0.00
30) Pyrene-d10	19.52	212	274104	25.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	249136	24.45	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.16	178	32085	3.01	ng/ul	96
28) Fluoranthene	19.18	202	101270	7.56	ng/ul	98
31) Pyrene	19.54	202	97869	7.36	ng/ul	99
32) Benzo(a)anthracene	21.29	228	64843	4.62	ng/ul	95
33) Chrysene	21.34	228	70533	5.21	ng/ul	96
35) Benzo(b)fluoranthene	22.88	252	110166	8.69	ng/ul	94
36) Benzo(k)fluoranthene	22.92	252	29464m	2.41	ng/ul	
38) Benzo(a)pyrene	23.46	252	66421	5.33	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.84	276	46333	3.04	ng/ul	98
40) Dibenzo(a,h)anthracene	25.84	278	12859	1.03	ng/ul#	81
41) Benzo(g,h,i)perylene	26.54	276	45784	3.53	ng/ul	99

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

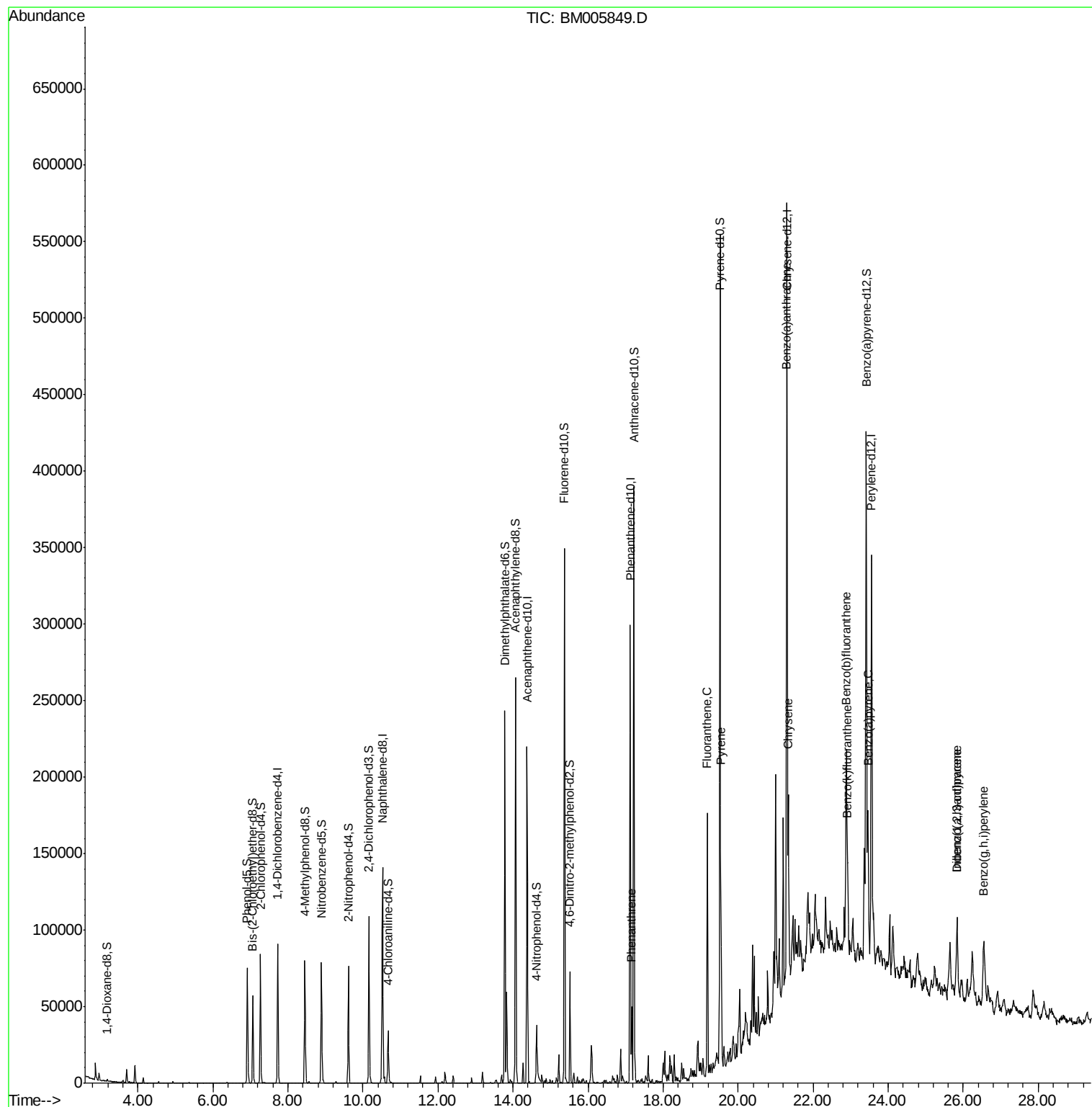
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
Data File : BM005849.D
Acq On : 17 Jun 2016 04:02
Operator : UM/SJ
Sample : H3535-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

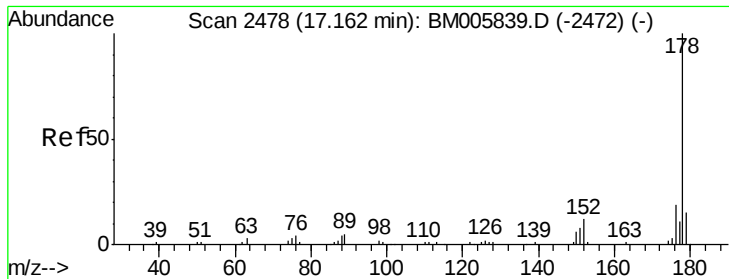
Instrument :
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D9Y10

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 01:56:56 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM005849.D

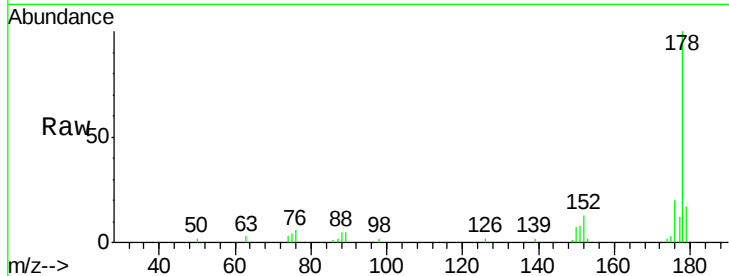
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Instrument :

BNA_M

ClientSampleId :

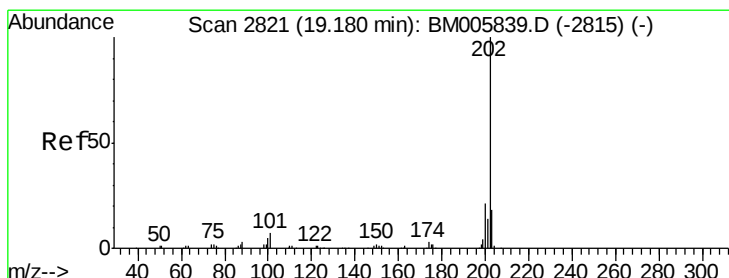
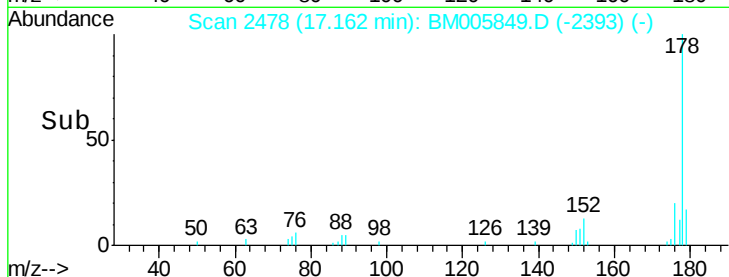
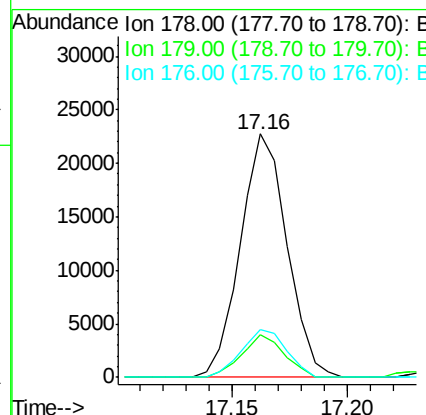
D9Y10



Tgt Ion:	178	Resp:	32085
Ion Ratio	Lower	Upper	
178	100		
179	17.4	12.0	18.0
176	19.7	14.9	22.3

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#28

Fluoranthene

Concen: 7.56 ng/ul

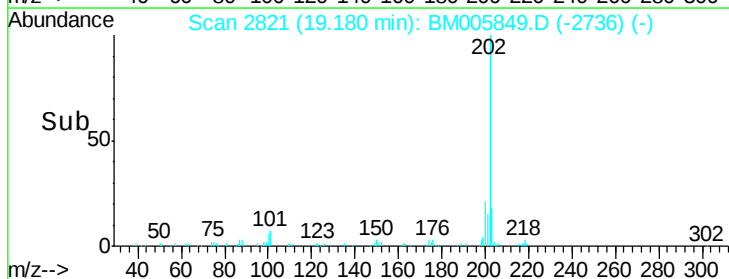
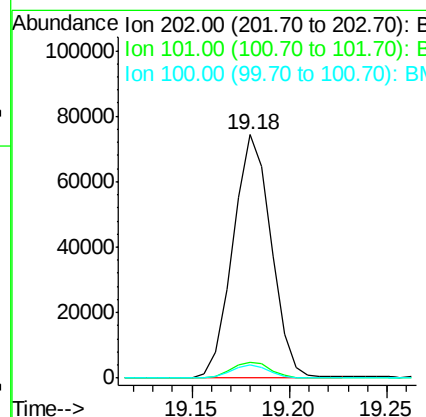
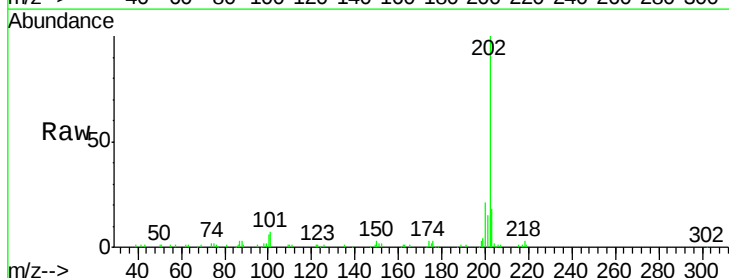
RT: 19.18 min Scan# 2821

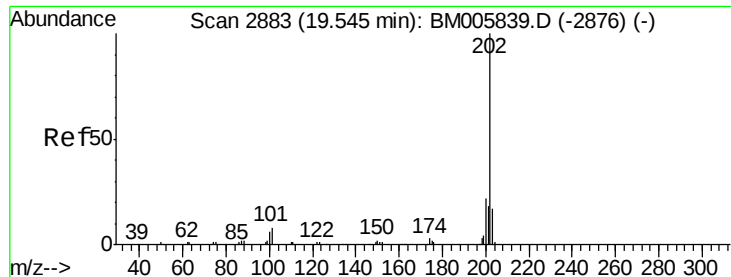
Delta R.T. -0.00 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Tgt Ion:	202	Resp:	101270
Ion Ratio	Lower	Upper	
202	100		
101	6.7	6.1	9.1
100	5.6	4.2	6.2





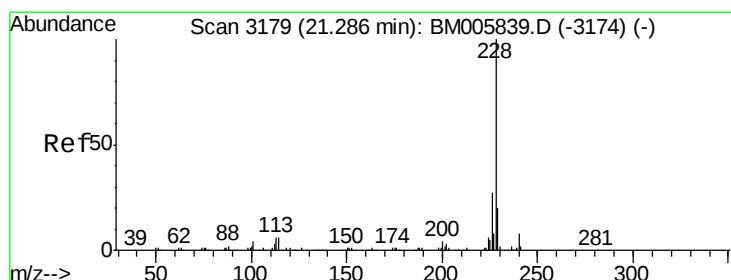
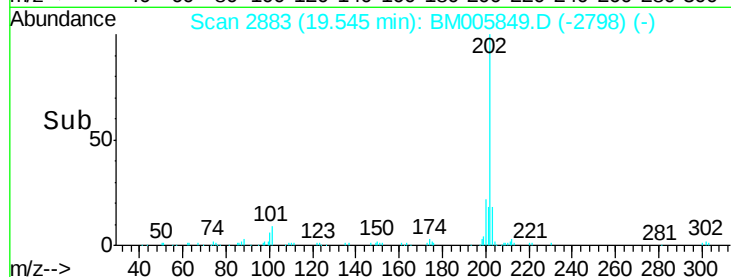
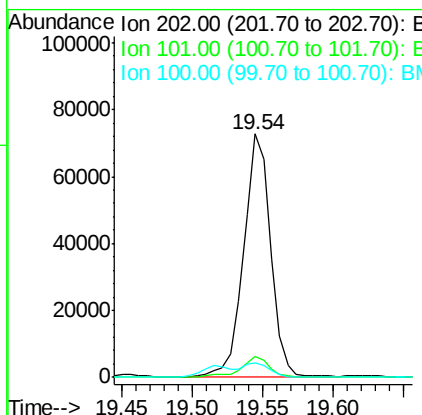
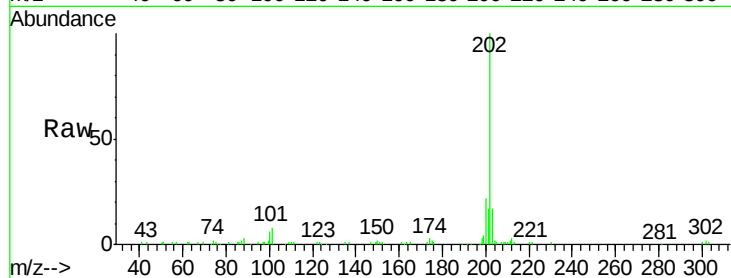
#31
 Pyrene
 Concen: 7.36 ng/ul
 RT: 19.54 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BM005849.D
 Acq: 17 Jun 2016 04:02

Instrument :
 BNA_M
 ClientSampleId :
 D9Y10

Tgt Ion:	202	Resp:	97869
Ion Ratio	Lower	Upper	
202	100		
101	8.5	6.5	9.7
100	6.2	5.4	8.2

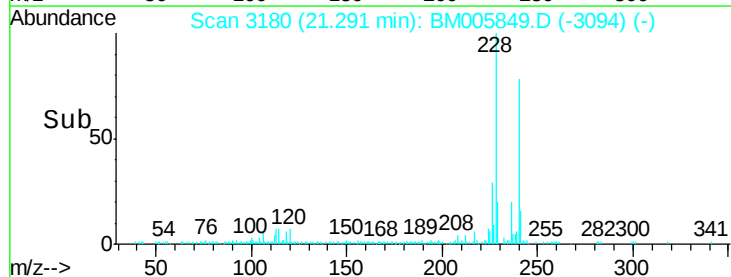
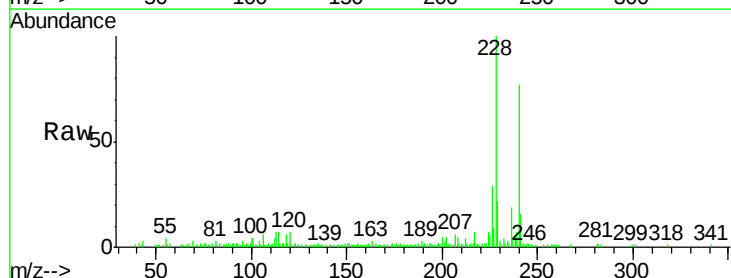
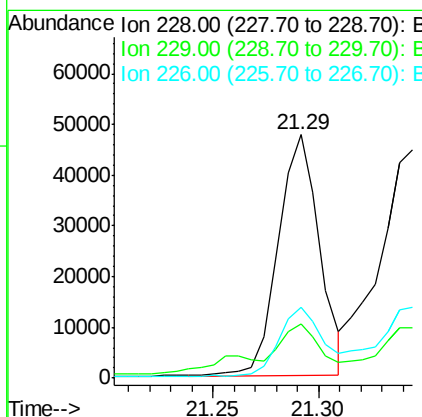
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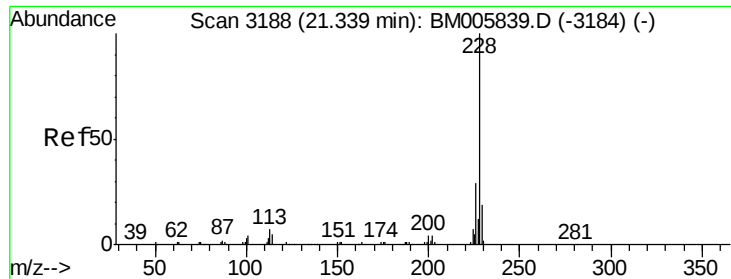
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#32
 Benzo(a)anthracene
 Concen: 4.62 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. 0.01 min
 Lab File: BM005849.D
 Acq: 17 Jun 2016 04:02

Tgt Ion:	228	Resp:	64843
Ion Ratio	Lower	Upper	
228	100		
229	22.4	15.8	23.6
226	29.2	21.8	32.6





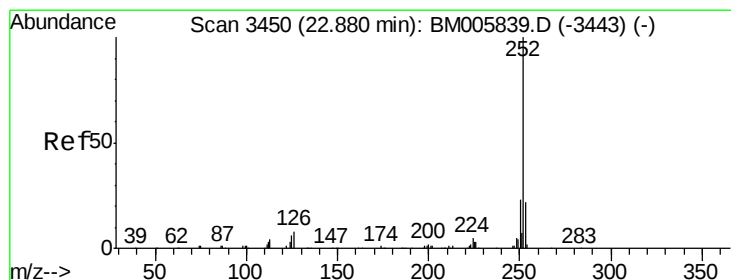
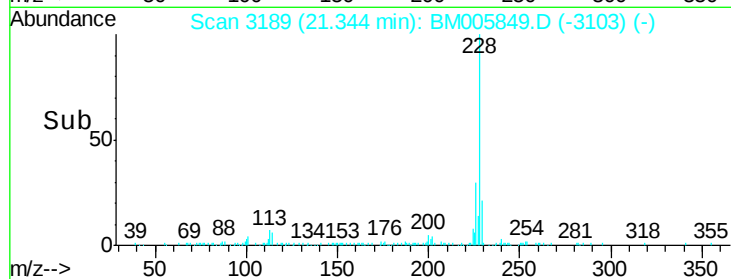
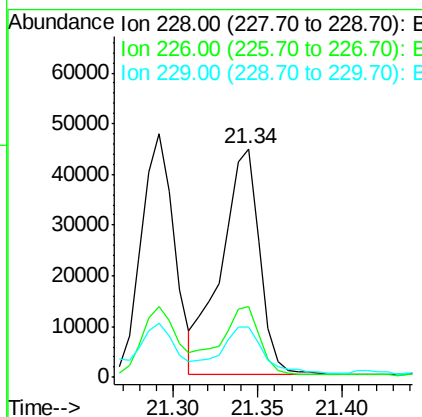
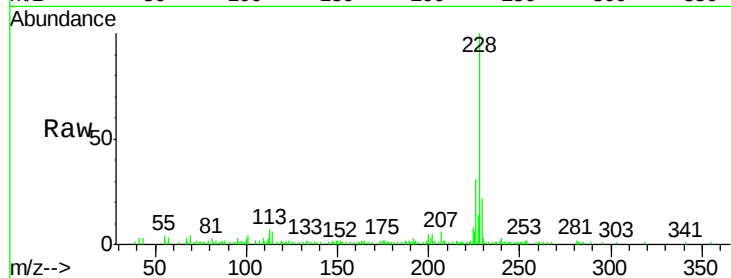
#33
Chrysene
Concen: 5.21 ng/ul
RT: 21.34 min Scan# 3189
Delta R.T. 0.01 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.5	35.3
229	21.7	15.4	23.0

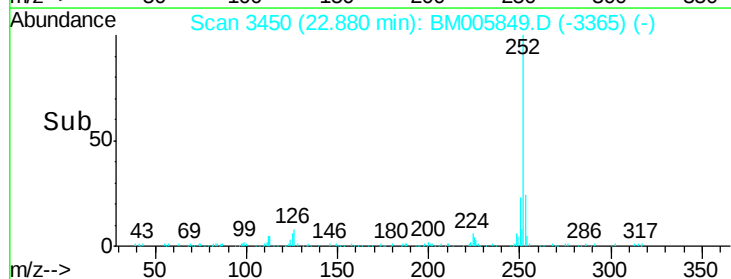
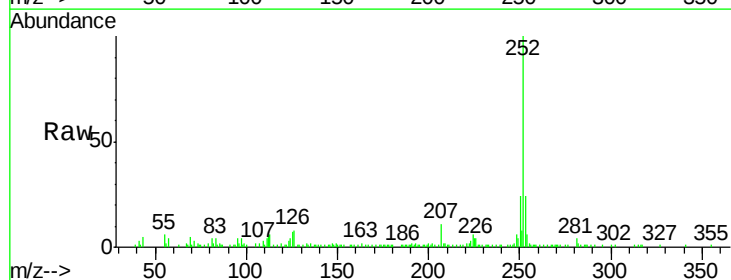
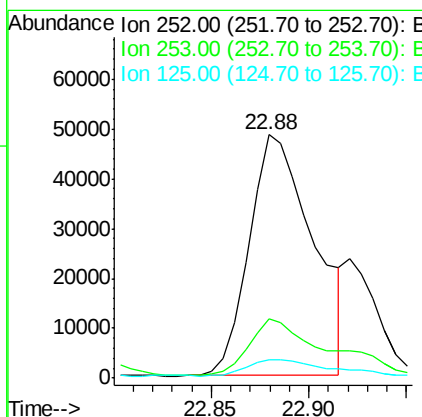
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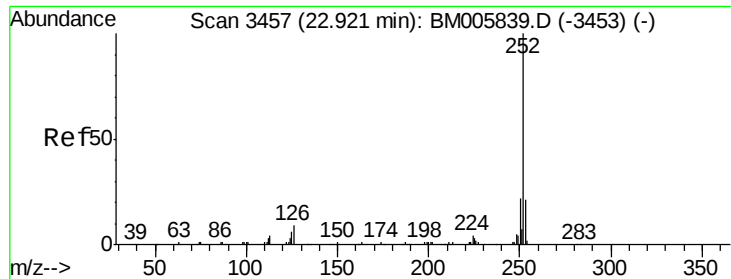
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#35
Benzo(b)fluoranthene
Concen: 8.69 ng/ul
RT: 22.88 min Scan# 3450
Delta R.T. -0.00 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	7.3	4.9	7.3





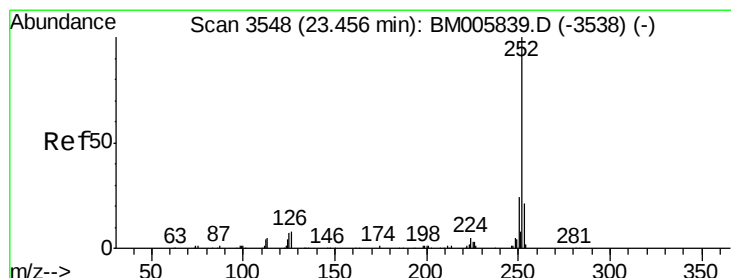
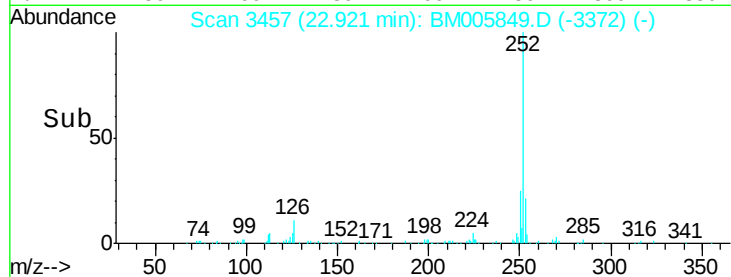
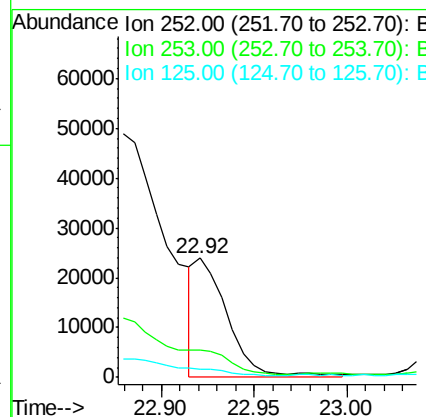
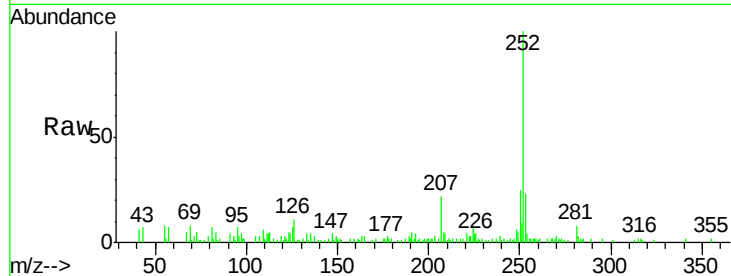
#36
Benzo(k)fluoranthene
Concen: 2.41 ng/ul m
RT: 22.92 min Scan# 3457
Delta R.T. -0.00 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

Instrument :
BNA_M
ClientSampleId :
D9Y10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	7.2	4.8	7.2

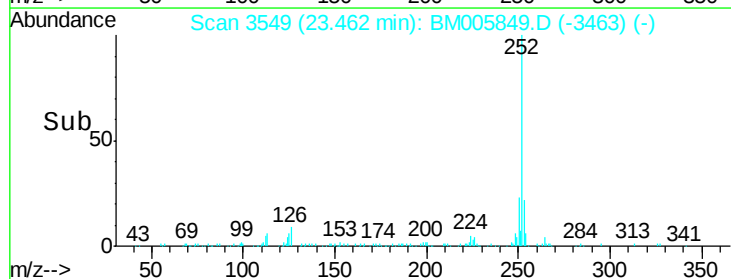
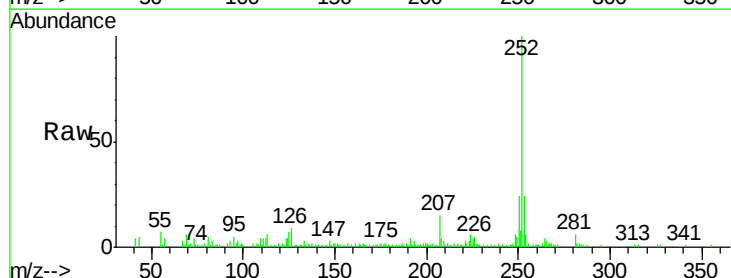
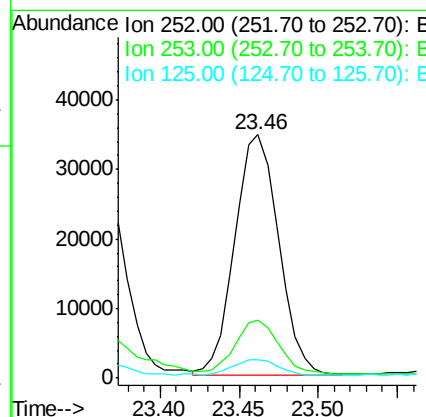
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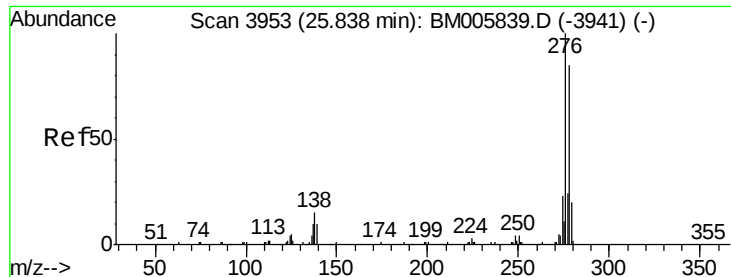
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#38
Benzo(a)pyrene
Concen: 5.33 ng/ul
RT: 23.46 min Scan# 3549
Delta R.T. 0.01 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	7.4	5.1	7.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.04 ng/uI

RT: 25.84 min Scan# 3954

Delta R.T. 0.01 min

Lab File: BM005849.D

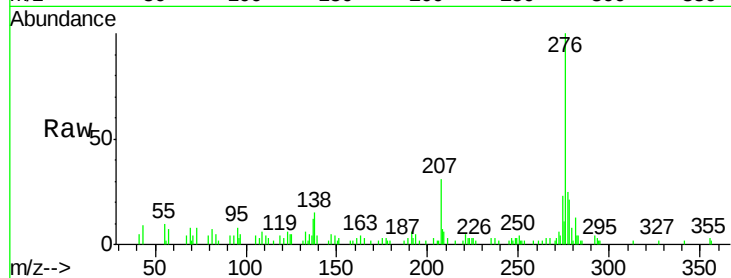
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BNA_M

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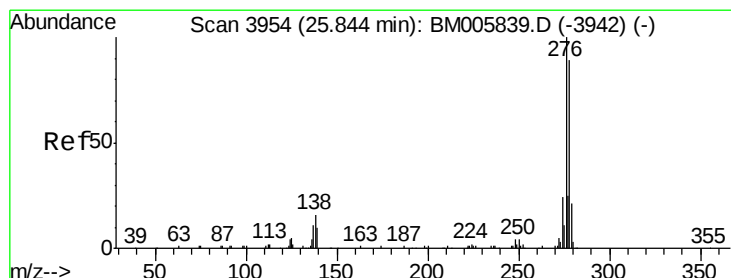
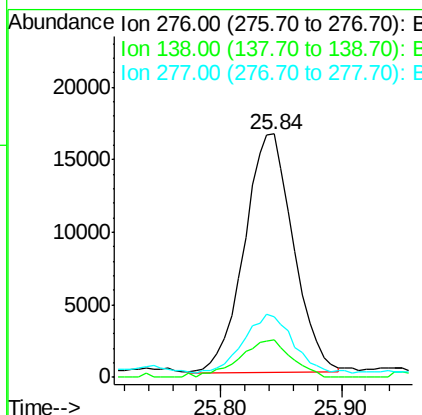
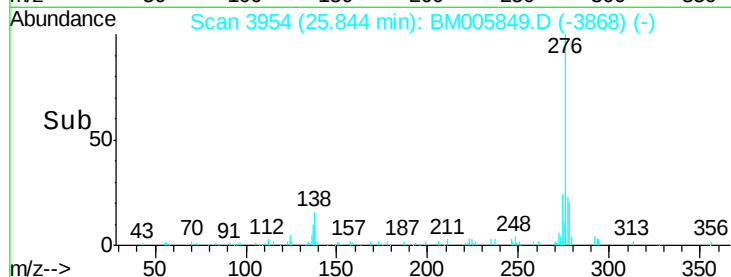
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Tgt Ion:	276	Resp:	46333
Ion Ratio	Lower	Upper	
276	100		
138	15.3	11.9	17.9
277	25.0	21.0	31.6

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#40

Dibenzo(a,h)anthracene

Concen: 1.03 ng/uI

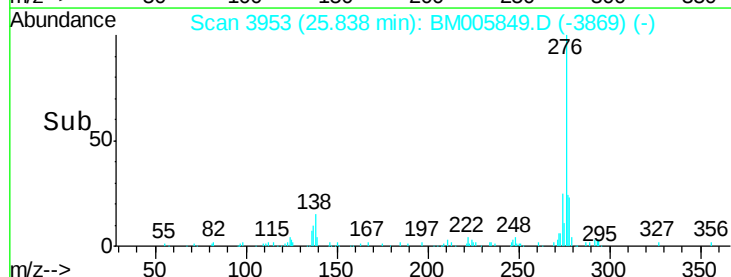
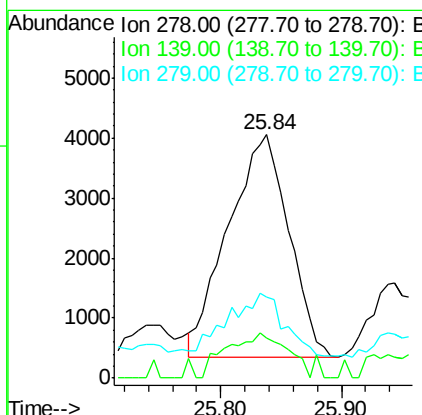
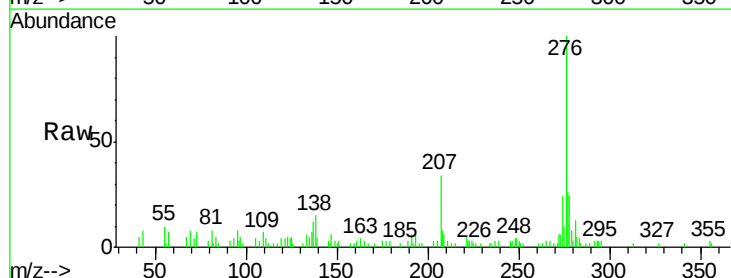
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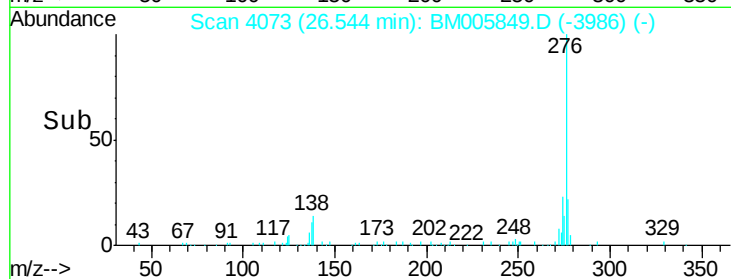
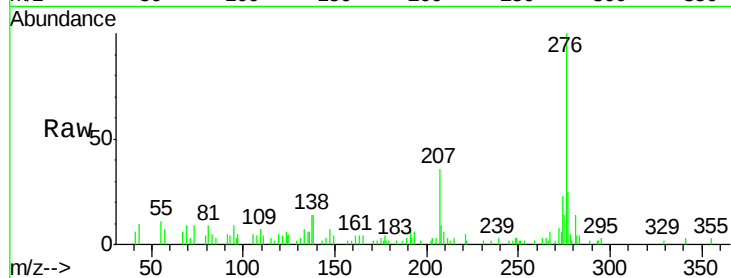
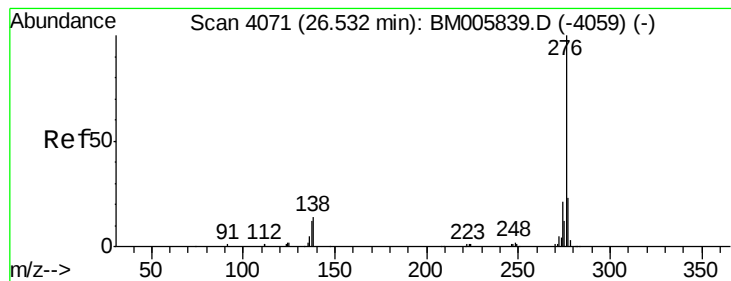
Delta R.T. -0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Tgt Ion:	278	Resp:	12859
Ion Ratio	Lower	Upper	
278	100		
139	16.5	8.2	12.4#
279	33.3	18.6	27.8#





#41

Benzo(g,h,i)perylene

Concen: 3.53 ng/ul

RT: 26.54 min Scan# 4073

Delta R.T. 0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Tgt Ion:	276	Resp:	45784
Ion Ratio	Lower	Upper	
276	100		
138	14.2	10.6	15.8
277	24.9	19.6	29.4

Instrument :

BNA_M

ClientSampleId :

D9Y10

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