

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061816\
 Data File : BM005868.D
 Acq On : 17 Jun 2016 19:15
 Operator : UM/SJ
 Sample : H3536-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y25

Manual Integrations
 APPROVED

umangi
 6/19/2016 12:14:48 AM

Quant Time: Jun 17 23:21:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 10:48:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	22305	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	96245	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.39	164	59669	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.13	188	140165	20.00	ng/ul	0.01
29) Chrysene-d12	21.32	240	140761	20.00	ng/ul	0.01
34) Perylene-d12	23.58	264	129438	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	258	1.50	ng/uL	0.00
3) Phenol-d5	6.93	99	22993	12.31	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.07	67	13686	14.14	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	23466	15.07	ng/ul	0.01
6) 4-Methylphenol-d8	8.47	113	16332	9.78	ng/ul	0.02
8) Nitrobenzene-d5	8.90	128	11410	16.80	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	12990	15.65	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.17	165	25357	15.47	ng/ul	0.02
12) 4-Chloroaniline-d4	10.68	131	8448m	7.61	ng/ul	0.01
16) Dimethylphthalate-d6	13.79	166	88416	15.66	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	108962	16.76	ng/ul	0.00
20) 4-Nitrophenol-d4	14.66	143	3482	5.12	ng/ul	0.05
21) Fluorene-d10	15.38	176	79269	16.48	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.54	200	1177	1.24	ng/ul	0.02
26) Anthracene-d10	17.23	188	125355	17.13	ng/ul	0.01
30) Pyrene-d10	19.53	212	141650	21.23	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.44	264	110806	17.12	ng/ul	0.02

Target Compounds

						Qvalue
25) Phenanthrene	17.17	178	104460	12.52	ng/ul	100
27) Anthracene	17.27	178	29314	3.44	ng/ul	99
28) Fluoranthene	19.19	202	227983	21.74	ng/ul	98
31) Pyrene	19.56	202	178329	21.44	ng/ul	98
32) Benzo(a)anthracene	21.30	228	112424	12.79	ng/ul	98
33) Chrysene	21.36	228	104696m	12.37	ng/ul	
35) Benzo(b)fluoranthene	22.90	252	135862	16.86	ng/ul#	95
36) Benzo(k)fluoranthene	22.93	252	45987m	5.91	ng/ul	
38) Benzo(a)pyrene	23.48	252	86586	10.95	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.87	276	63853	6.60	ng/ul	98
40) Dibenzo(a,h)anthracene	25.86	278	18551	2.33	ng/ul#	69
41) Benzo(g,h,i)perylene	26.59	276	59669	7.25	ng/ul	95

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

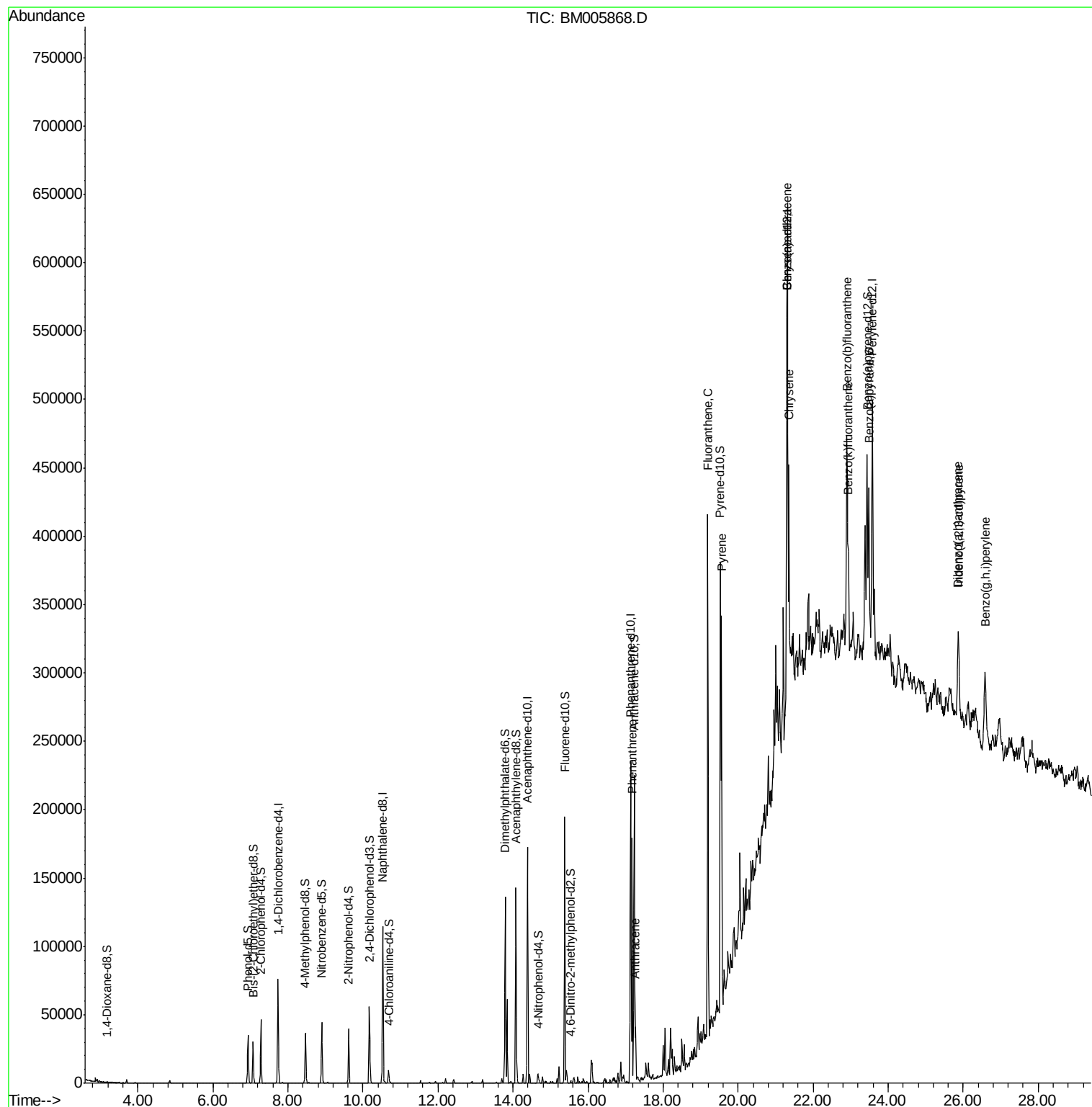
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061816\
Data File : BM005868.D
Acq On : 17 Jun 2016 19:15
Operator : UM/SJ
Sample : H3536-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

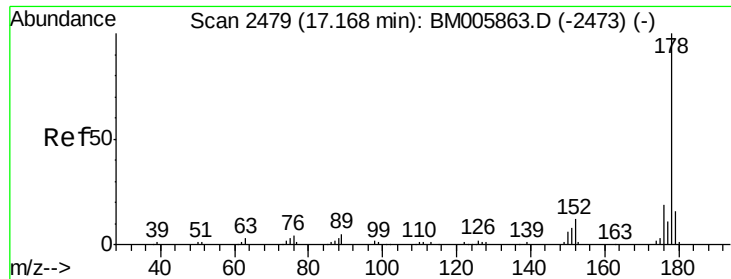
Instrument :
BNA_M
ClientSampleId :
D9Y25

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Quant Time: Jun 17 23:21:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
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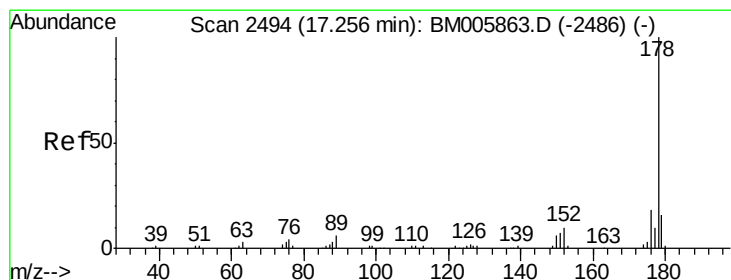
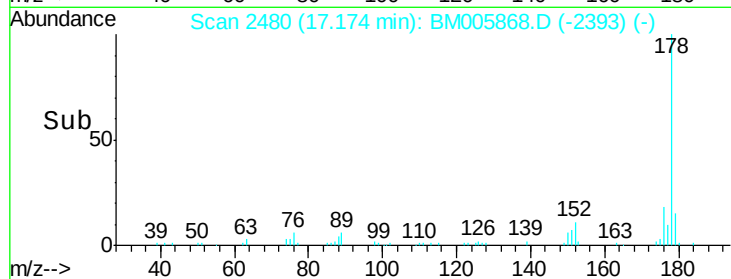
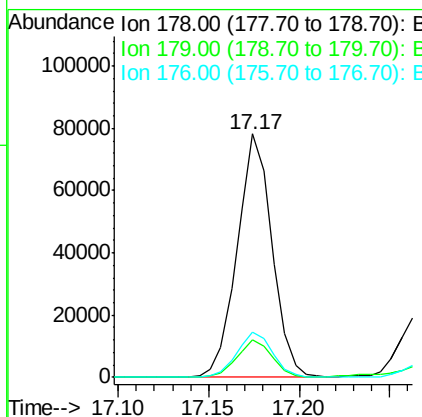
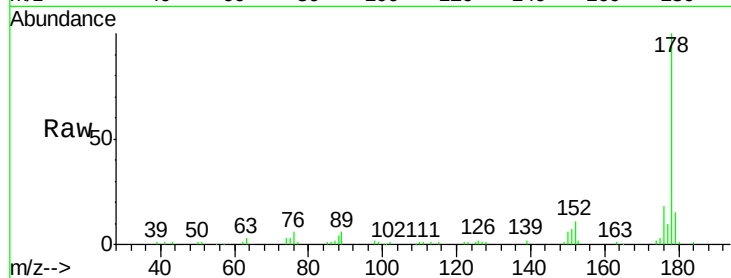
#25
Phenanthrene
Concen: 12.52 ng/ul
RT: 17.17 min Scan# 2480
Delta R.T. 0.01 min
Lab File: BM005868.D
Acq: 17 Jun 2016 19:15

Instrument :
BNA_M
ClientSampleId :
D9Y25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.4	14.9	22.3

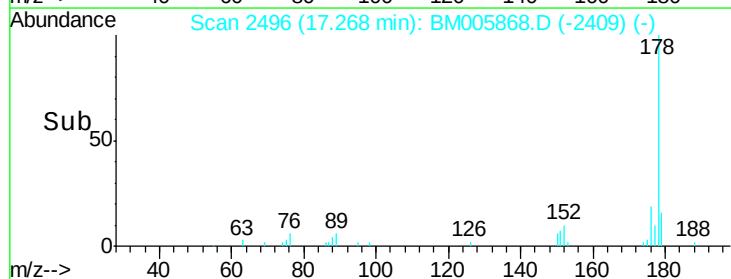
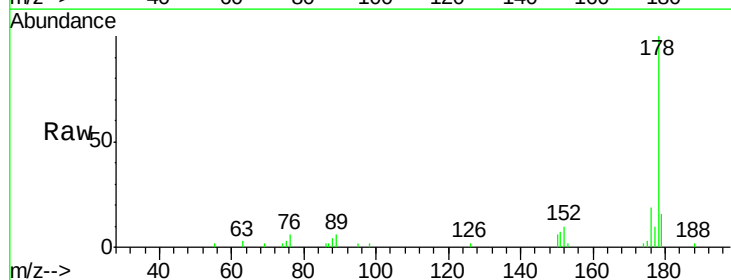
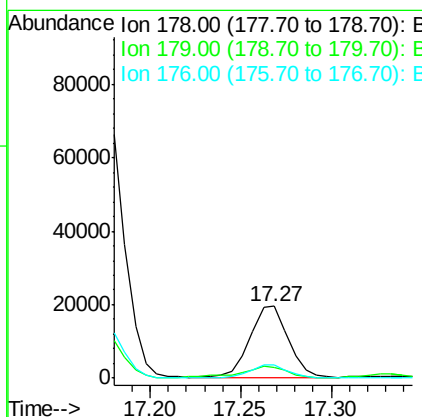
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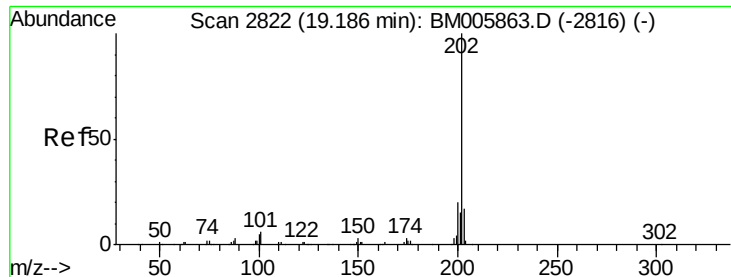
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#27
Anthracene
Concen: 3.44 ng/ul
RT: 17.27 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BM005868.D
Acq: 17 Jun 2016 19:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	18.5	14.8	22.2





#28

Fluoranthene

Concen: 21.74 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. 0.01 min

Lab File: BM005868.D

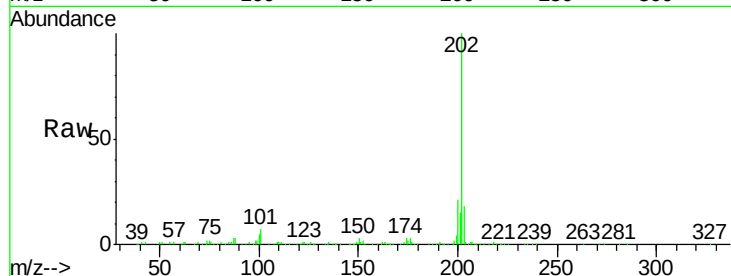
Acq: 17 Jun 2016 19:15

Instrument :

BNA_M

ClientSampleId :

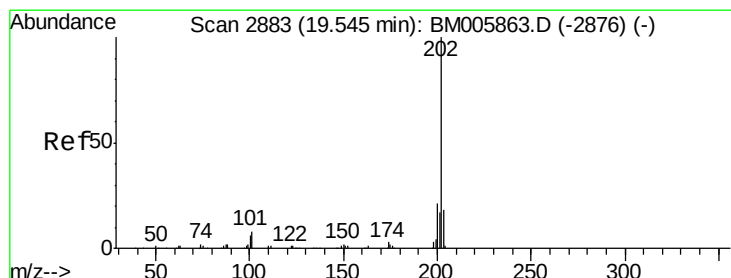
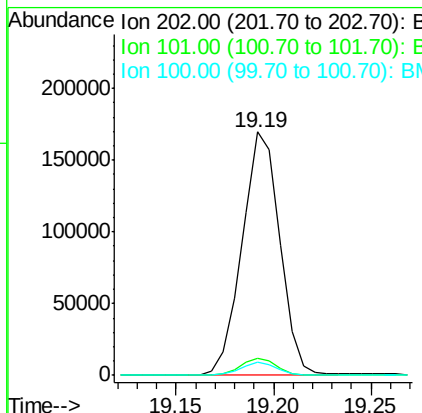
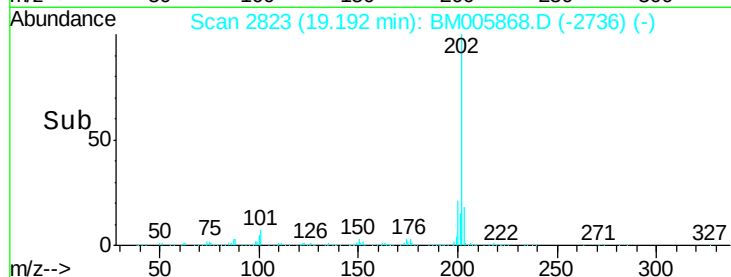
D9Y25



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	6.1	9.1
100	5.3	4.2	6.2

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#31

Pyrene

Concen: 21.44 ng/ul

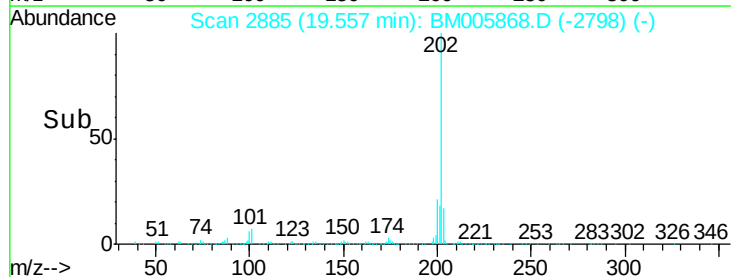
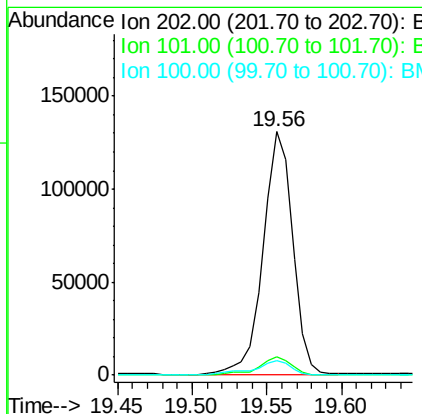
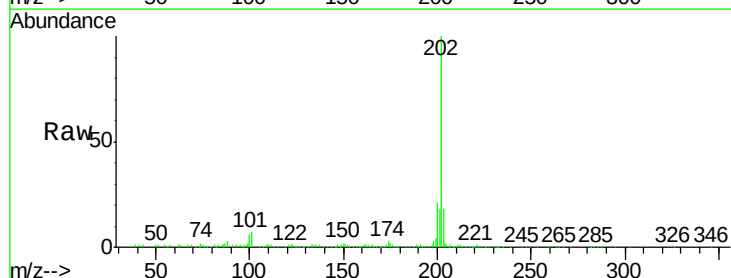
RT: 19.56 min Scan# 2885

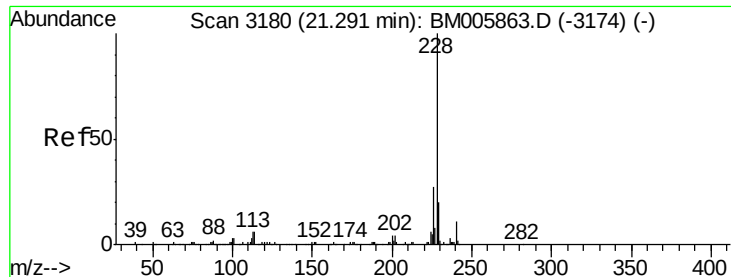
Delta R.T. 0.01 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.4	6.5	9.7
100	6.2	5.4	8.2





#32

Benzo(a)anthracene

Concen: 12.79 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Instrument :

BNA_M

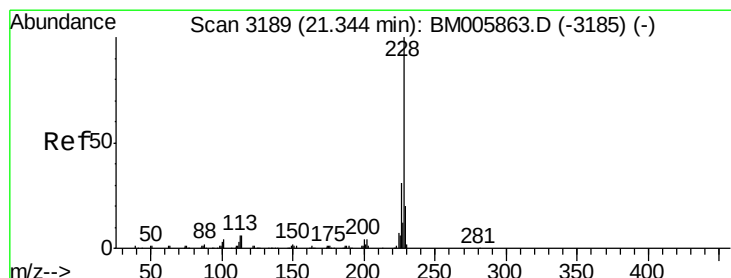
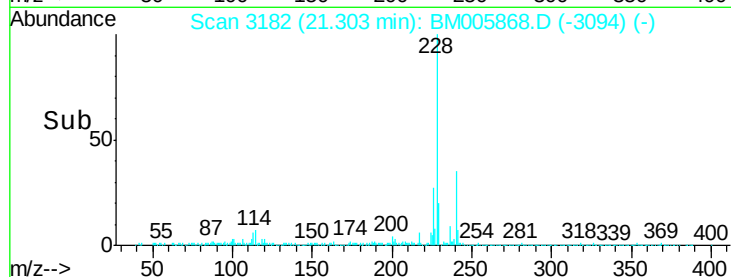
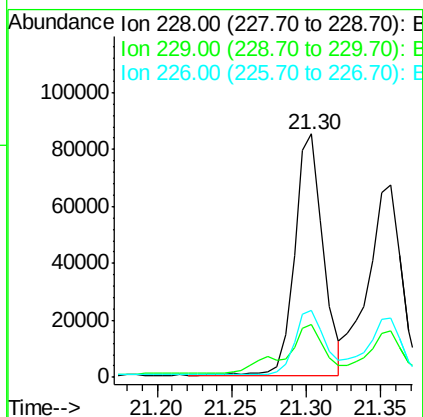
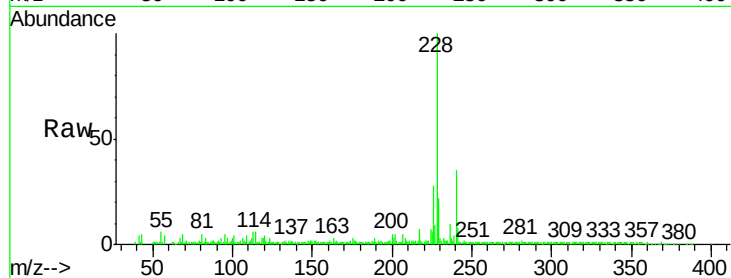
ClientSampleId :

D9Y25

Tgt Ion:	228	Resp:	112424
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.8	23.6
226	27.7	21.8	32.6

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#33

Chrysene

Concen: 12.37 ng/ul m

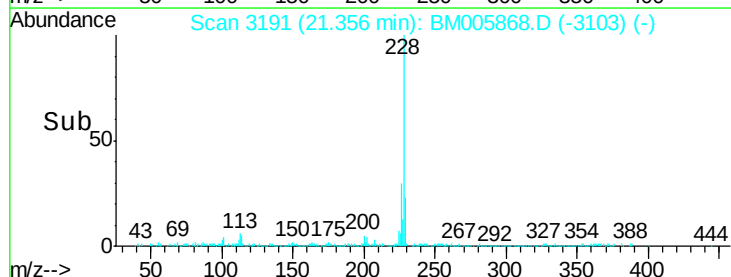
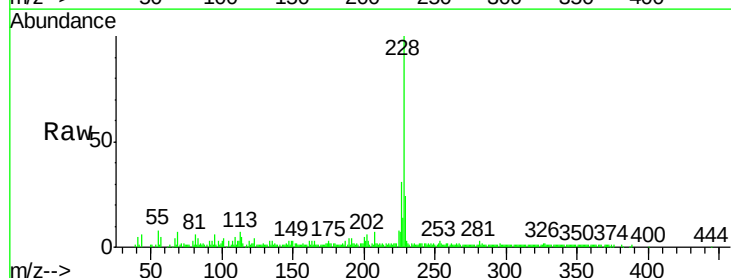
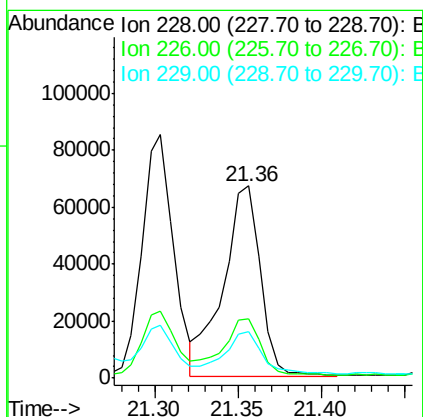
RT: 21.36 min Scan# 3191

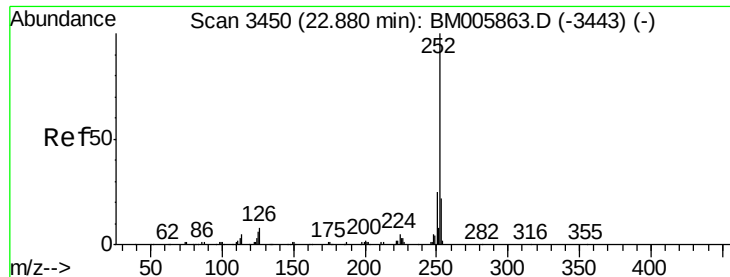
Delta R.T. 0.02 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Tgt Ion:	228	Resp:	104696
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.5	35.3
229	24.0	15.4	23.0#





#35

Benzo(b)fluoranthene

Concen: 16.86 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. 0.02 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Instrument :

BNA_M

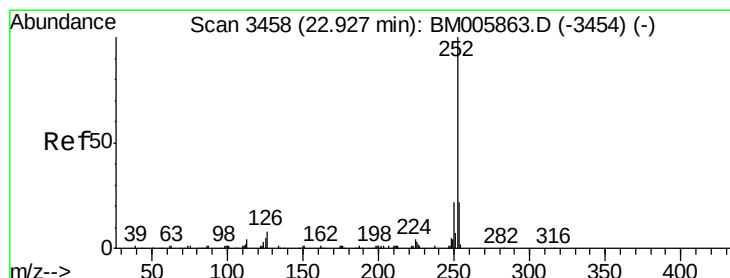
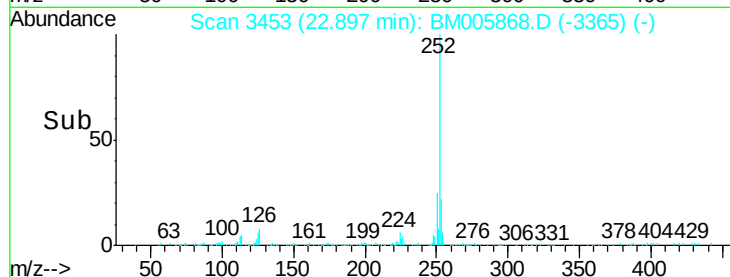
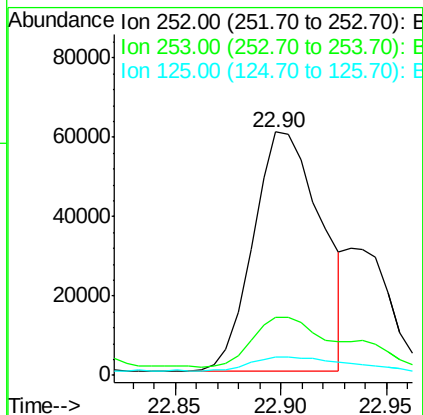
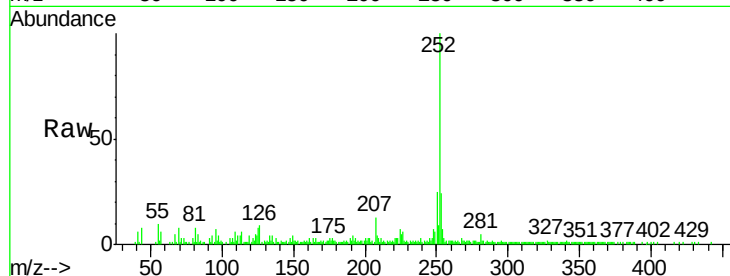
ClientSampleId :

D9Y25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	135862		
253	23.7	17.1	25.7	
125	7.5	4.9	7.3#	

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#36

Benzo(k)fluoranthene

Concen: 5.91 ng/ul m

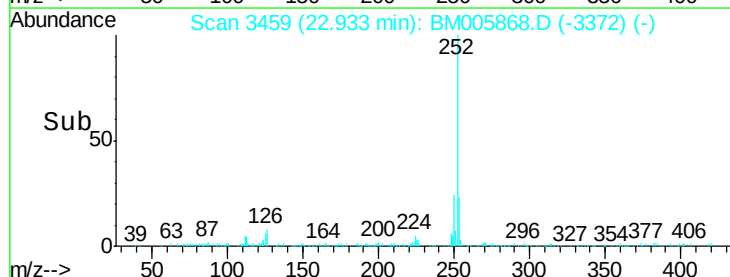
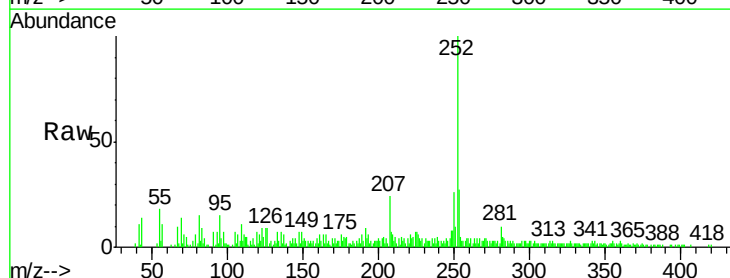
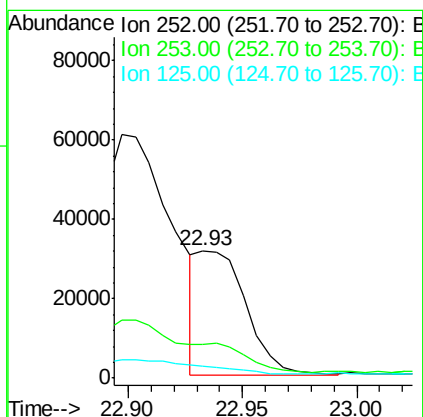
RT: 22.93 min Scan# 3459

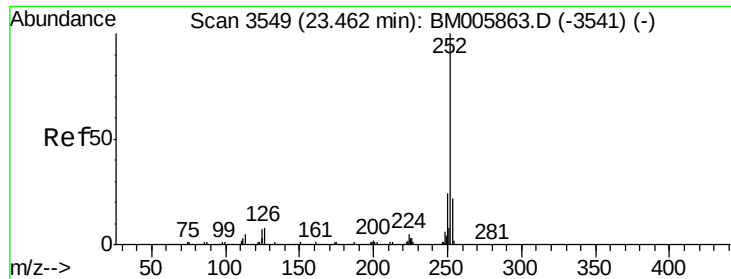
Delta R.T. 0.01 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	45987		
253	26.6	17.5	26.3#	
125	8.9	4.8	7.2#	





#38

Benzo(a)pyrene

Concen: 10.95 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. 0.02 min

Lab File: BM005868.D

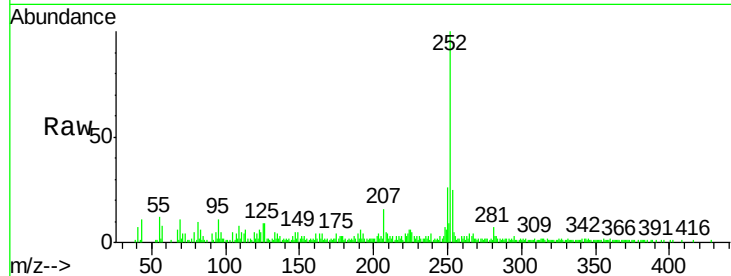
Acq: 17 Jun 2016 19:15

Instrument :

BNA_M

ClientSampleId :

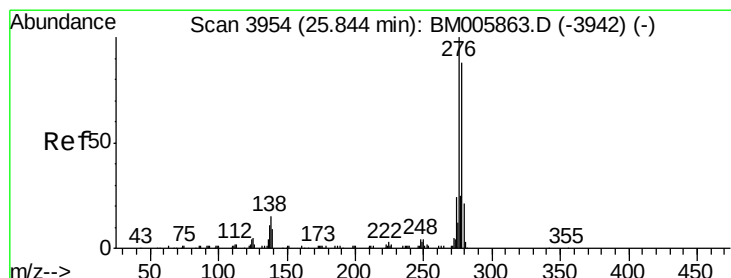
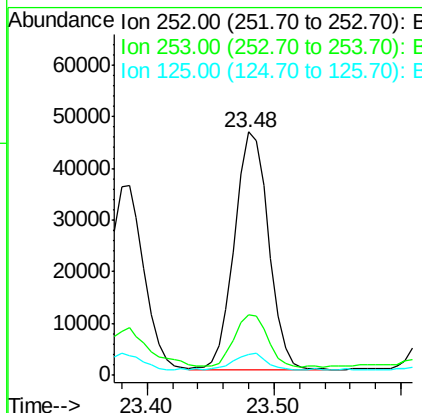
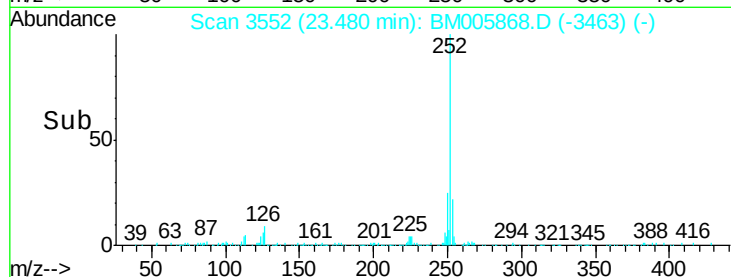
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Tgt Ion	Ratio	Resp	Lower	Upper
252	100	86586		
253	24.9	18.0	27.0	
125	8.6	5.1	7.7#	

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#39

Indeno(1,2,3-cd)pyrene

Concen: 6.60 ng/ul

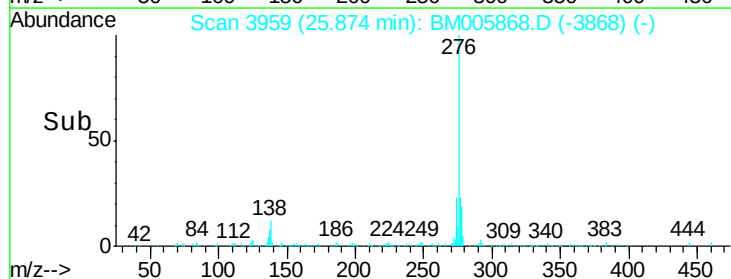
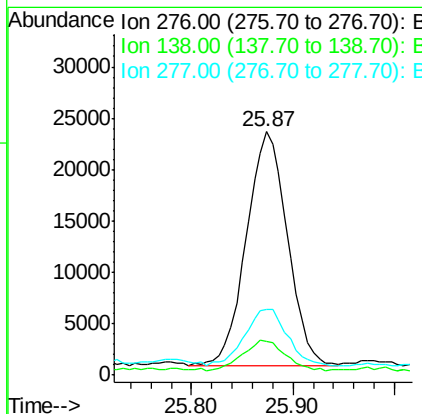
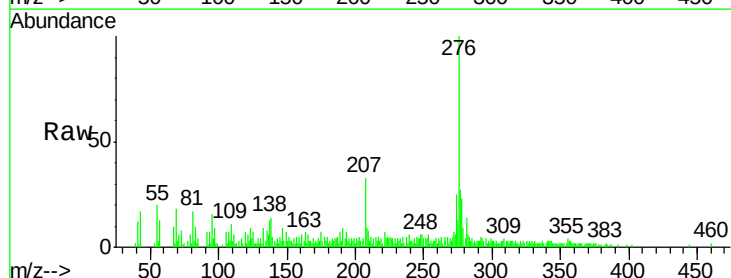
RT: 25.87 min Scan# 3959

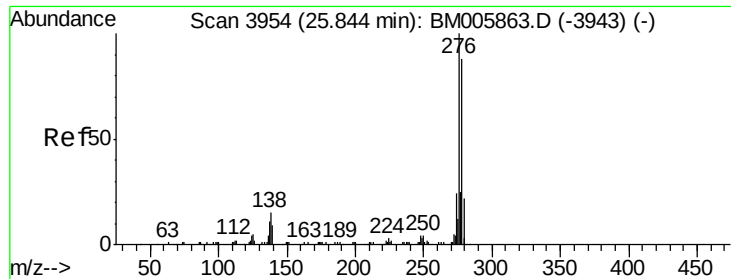
Delta R.T. 0.04 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	63853		
138	13.9	11.9	17.9	
277	27.1	21.0	31.6	





#40

Dibenzo(a,h)anthracene

Concen: 2.33 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. 0.02 min

Lab File: BM005868.D

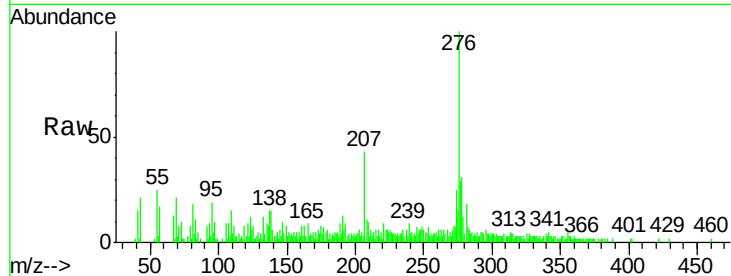
Acq: 17 Jun 2016 19:15

Instrument :

BNA_M

ClientSampleId :

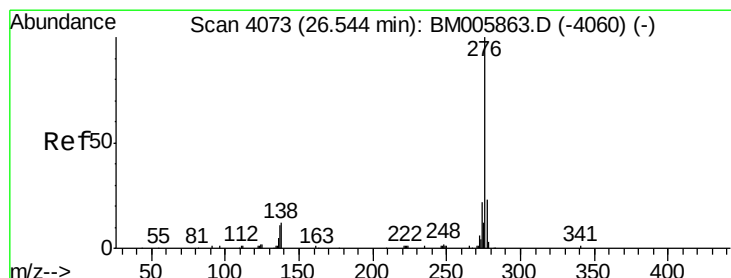
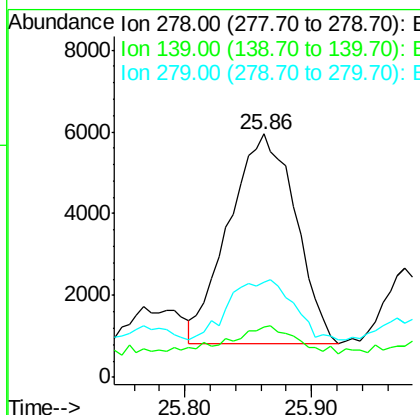
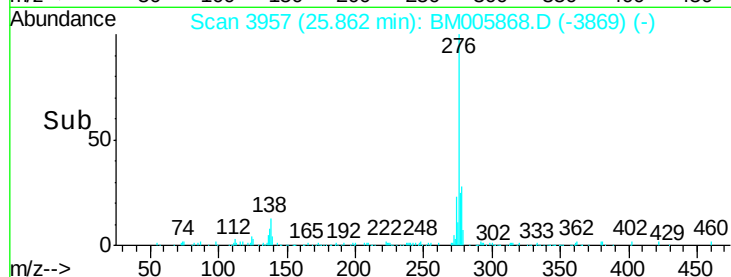
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Tgt Ion:	278	Resp:	18551
Ion Ratio	Lower	Upper	
278	100		
139	20.8	8.2	12.4#
279	38.9	18.6	27.8#

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#41

Benzo(g,h,i)perylene

Concen: 7.25 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. 0.05 min

Lab File: BM005868.D

Acq: 17 Jun 2016 19:15

Tgt Ion:	276	Resp:	59669
Ion Ratio	Lower	Upper	
276	100		
138	14.7	10.6	15.8
277	27.6	19.6	29.4

