

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006052.D
 Acq On : 26 Jun 2016 22:47
 Operator : UM/SJ
 Sample : H3670-16MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y98MSD

Manual Integrations
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Quant Time: Jun 27 06:07:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	307182	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1470975	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	864957	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1943836	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1767444	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1506553	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	11842	1.72	ng/uL	0.00
3) Phenol-d5	6.83	99	599782	18.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	374166	20.81	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	461614	20.51	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	411941	15.10	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	249059	22.24	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	275764	22.13	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	504659	21.11	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	310184	11.96	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1566228	21.15	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	2005880	23.36	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	222044	14.06	ng/ul	0.01
21) Fluorene-d10	15.30	176	1386976	21.94	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	176823	16.39	ng/ul	0.00
26) Anthracene-d10	17.16	188	2110183	23.63	ng/ul	0.00
30) Pyrene-d10	19.46	212	2257507	29.16	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	1629651	23.96	ng/ul	0.01

Target Compounds

					Qvalue
11) Naphthalene	10.49	128	211333	2.88 ng/ul	99
13) 2-Methylnaphthalene	12.11	142	238460	4.03 ng/ul	99
14) 1-Methylnaphthalene	12.33	142	205042	3.62 ng/ul	96
19) Acenaphthene	14.37	153	1351659	23.50 ng/ul	99
25) Phenanthrene	17.10	178	880106	8.42 ng/ul	100
27) Anthracene	17.19	178	143590	1.33 ng/ul	97
28) Fluoranthene	19.12	202	1230848	9.19 ng/ul	98
31) Pyrene	19.49	202	3650040	36.07 ng/ul	98
32) Benzo(a)anthracene	21.23	228	667473m	6.36 ng/ul	
33) Chrysene	21.29	228	687255	7.17 ng/ul#	96
35) Benzo(b)fluoranthene	22.81	252	831640	9.50 ng/ul#	94
36) Benzo(k)fluoranthene	22.84	252	194586m	2.39 ng/ul	
38) Benzo(a)pyrene	23.37	252	483555	5.76 ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.69	276	340845	3.41 ng/ul	97
40) Dibenzo(a,h)anthracene	25.69	278	96175	1.16 ng/ul#	82
41) Benzo(g,h,i)perylene	26.36	276	324319	3.75 ng/ul	96

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

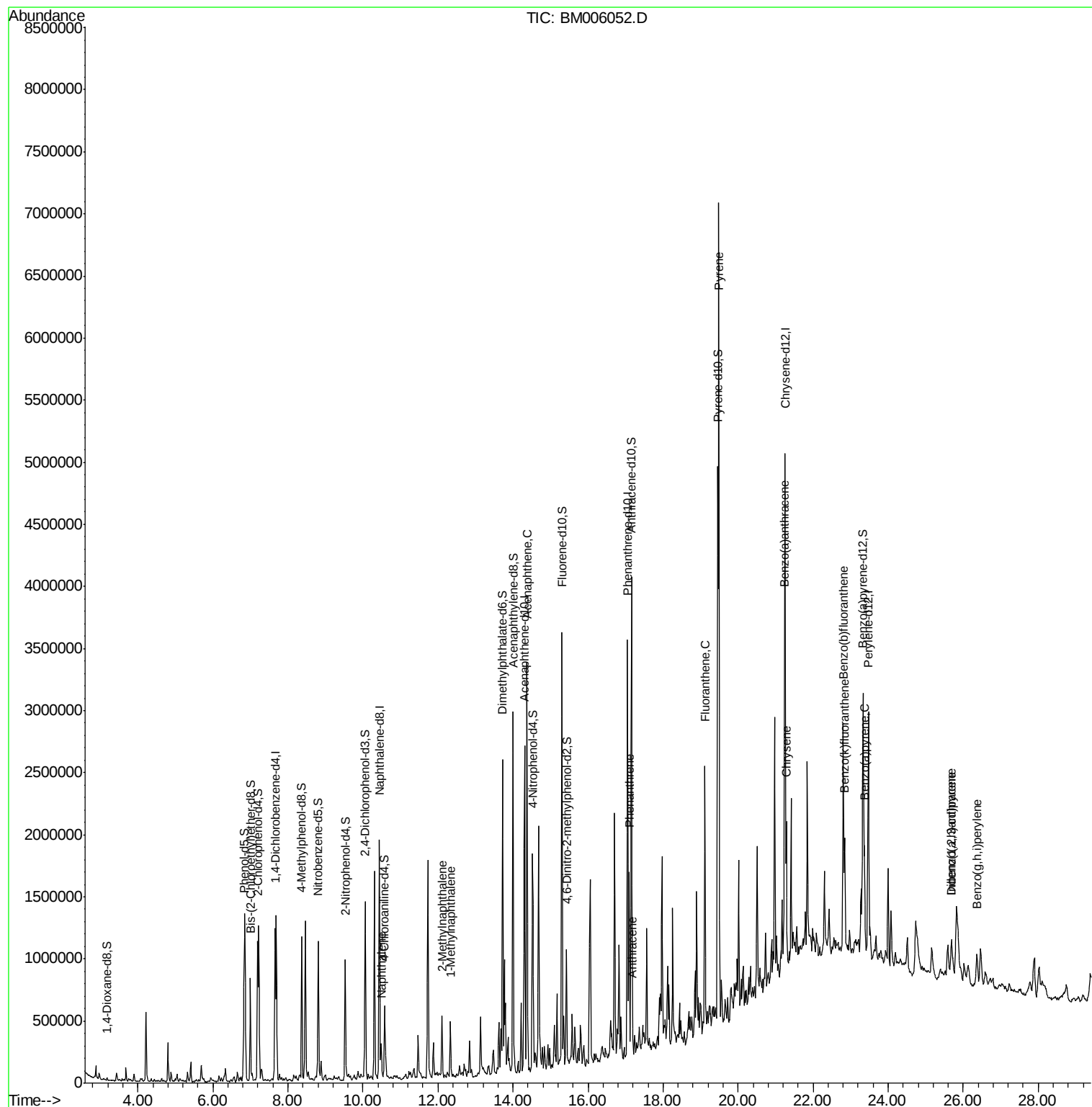
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006052.D
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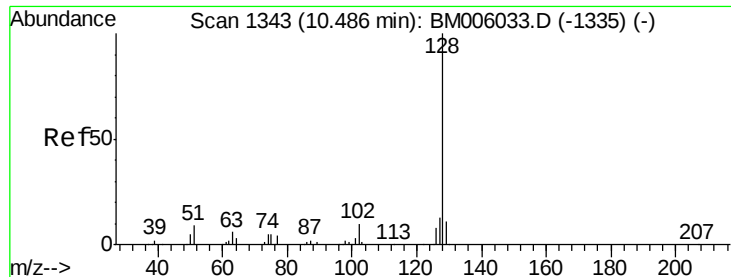
Instrument :
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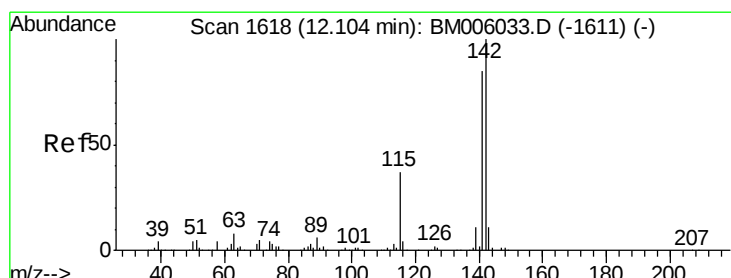
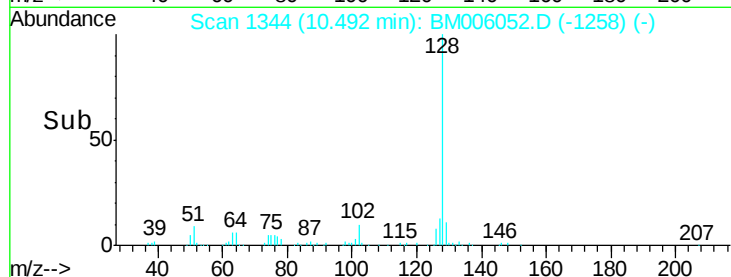
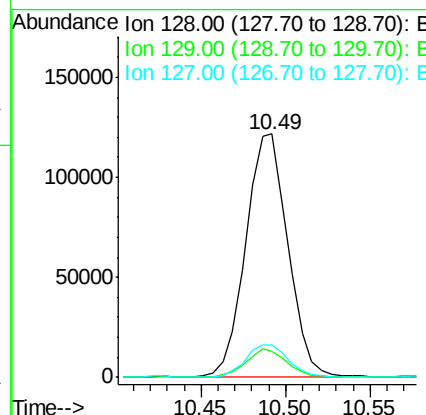
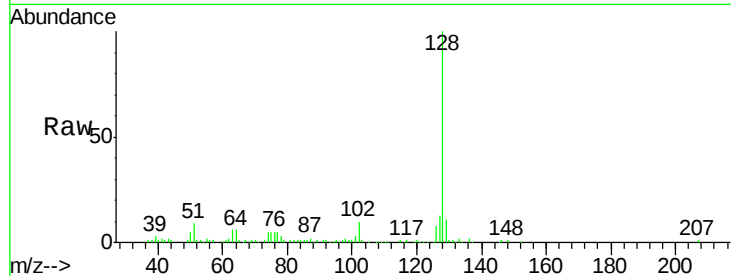
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Naphthalene
Concen: 2.88 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006052.D
Acq: 26 Jun 2016 22:47

Instrument :
BNA_M
ClientSampleId :
D9Y98MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	211333		
129	10.9	8.6	13.0	
127	13.5	10.2	15.4	

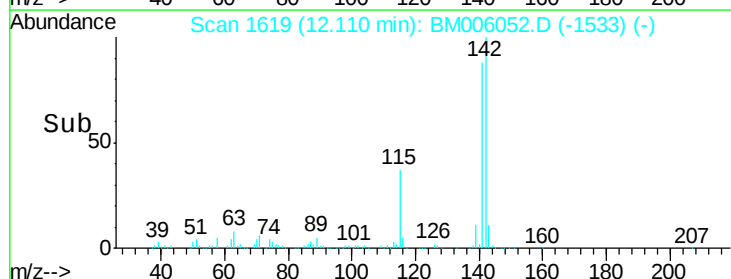
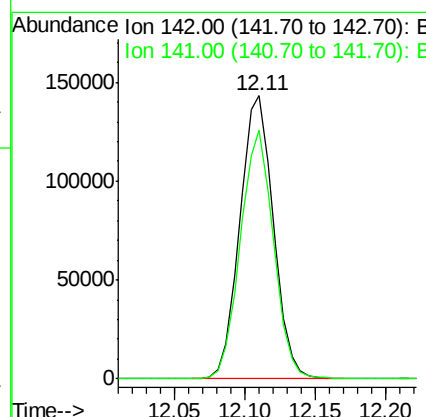
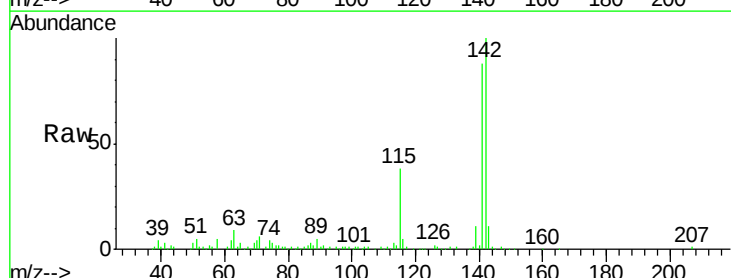
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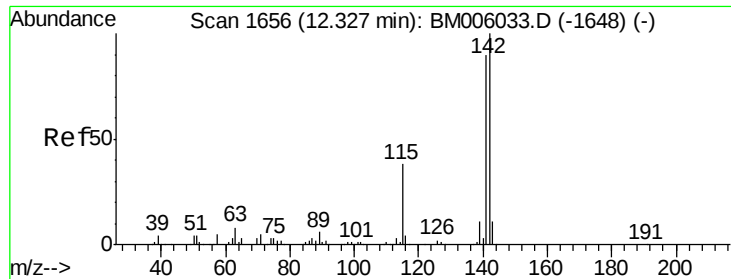
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#13
2-Methylnaphthalene
Concen: 4.03 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006052.D
Acq: 26 Jun 2016 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	238460		
141	87.7	69.4	104.2	





#14

1-Methylnaphthalene

Concen: 3.62 ng/ul

RT: 12.33 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

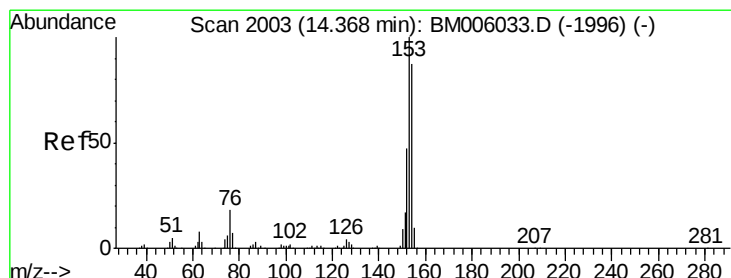
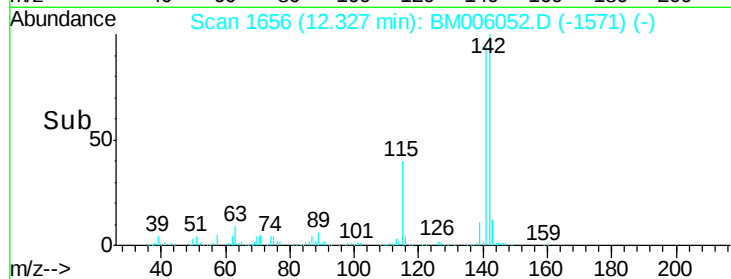
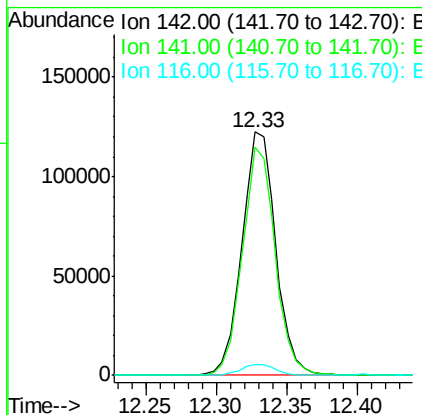
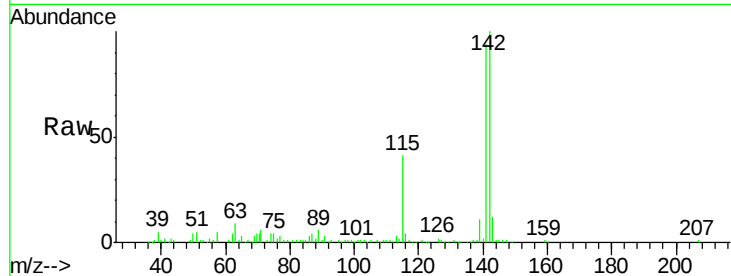
ClientSampleId :

D9Y98MSD

Tgt Ion:	142	Resp:	205042
Ion Ratio	Lower	Upper	
142	100		
141	93.9	72.3	108.5
116	4.2	3.4	5.0

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#19

Acenaphthene

Concen: 23.50 ng/ul

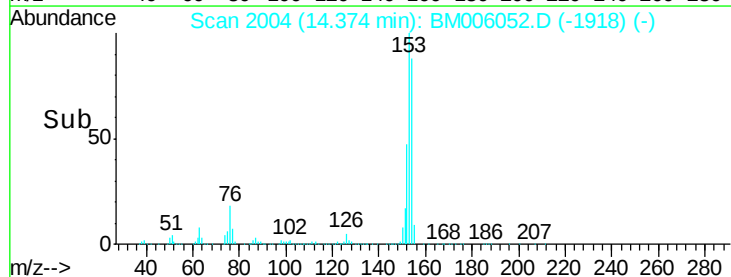
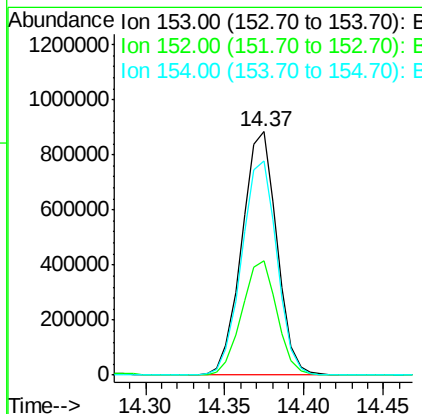
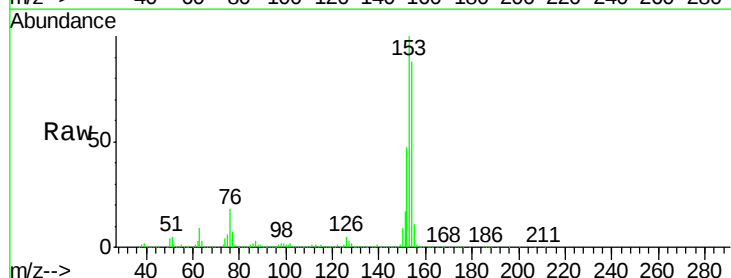
RT: 14.37 min Scan# 2004

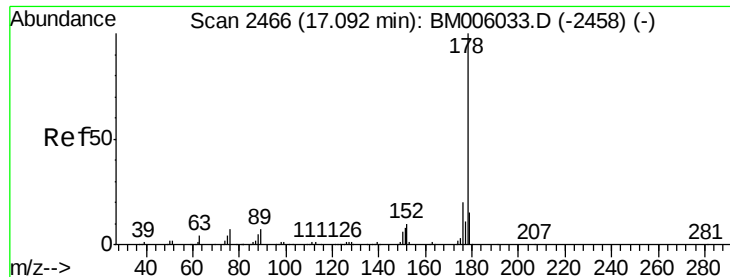
Delta R.T. 0.01 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion:	153	Resp:	1351659
Ion Ratio	Lower	Upper	
153	100		
152	47.1	38.6	57.8
154	87.9	70.7	106.1





#25

Phenanthrene

Concen: 8.42 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006052.D

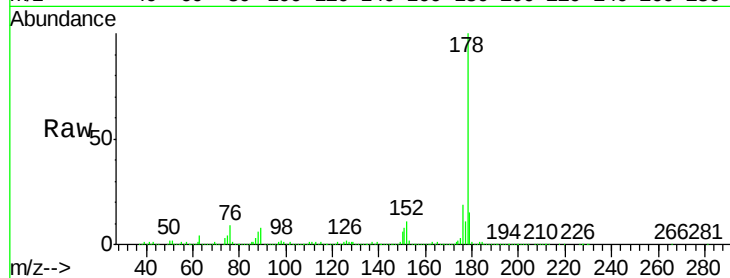
Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

ClientSampleId :

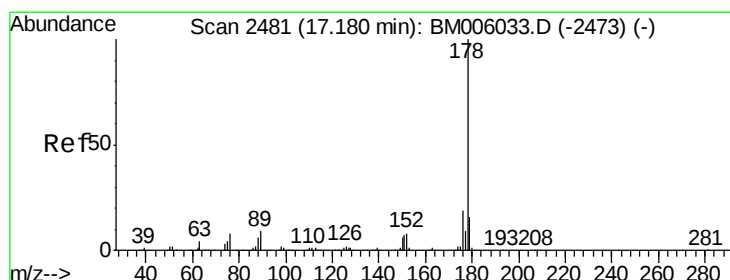
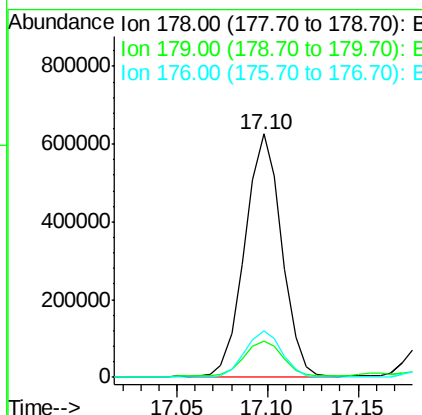
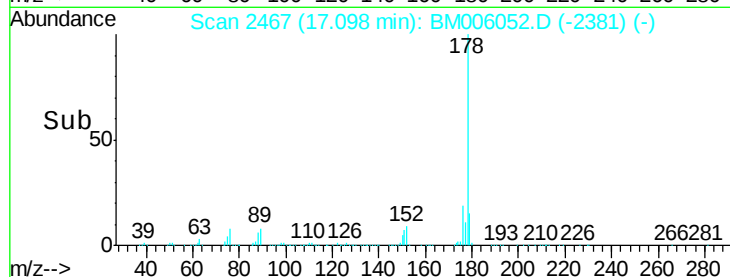
D9Y98MSD



Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.1	18.1
176	19.2	15.4	23.0

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#27

Anthracene

Concen: 1.33 ng/ul

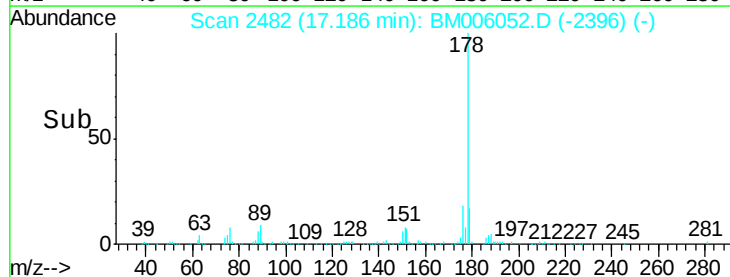
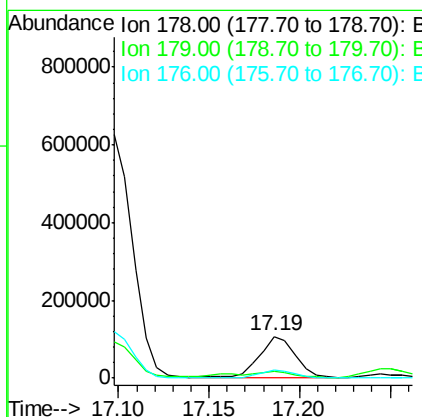
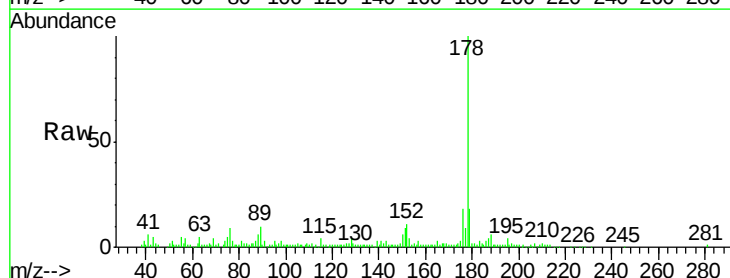
RT: 17.19 min Scan# 2482

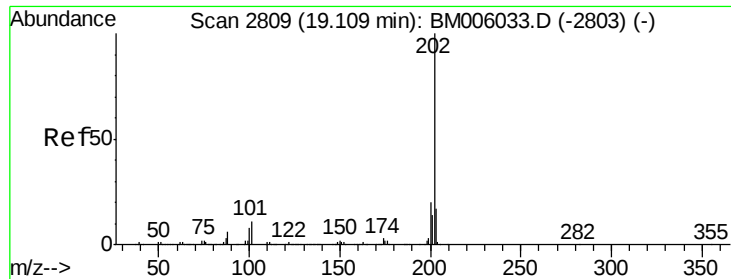
Delta R.T. 0.01 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.2	18.4
176	18.4	14.9	22.3





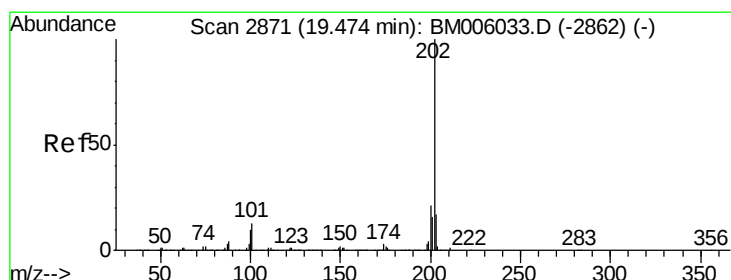
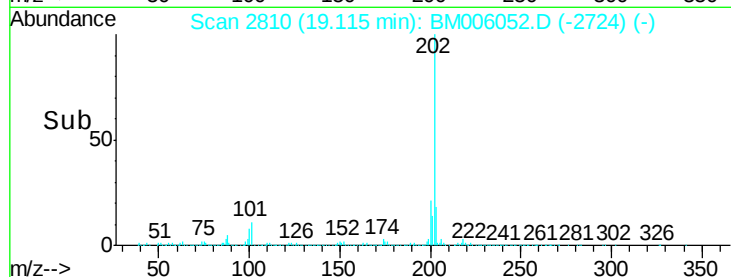
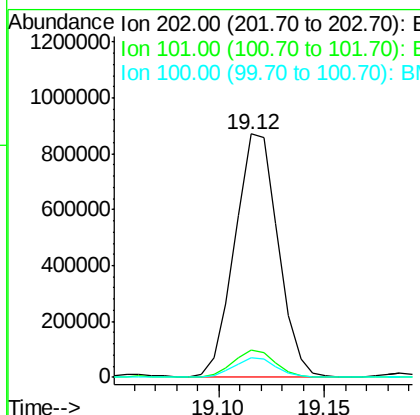
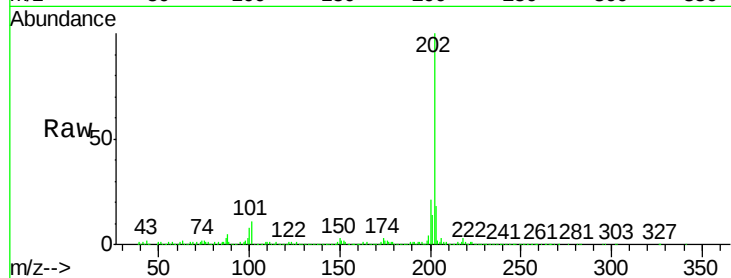
#28
Fluoranthene
 Concen: 9.19 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. 0.01 min
 Lab File: BM006052.D
 Acq: 26 Jun 2016 22:47

Instrument :
 BNA_M
 ClientSampleId :
 D9Y98MSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1230848		
101	11.2	8.2	12.4	
100	8.0	6.3	9.5	

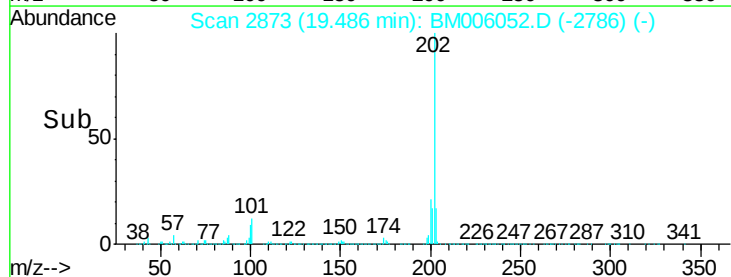
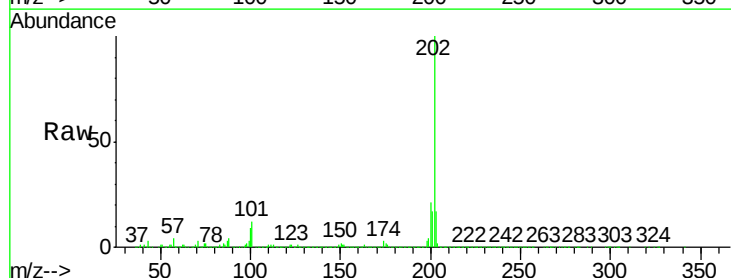
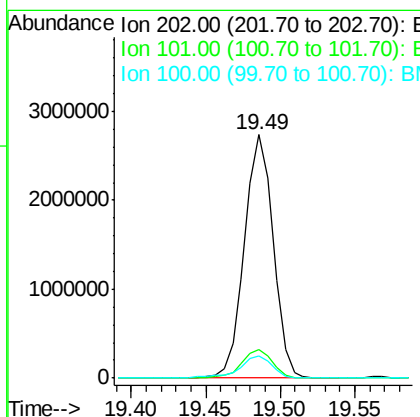
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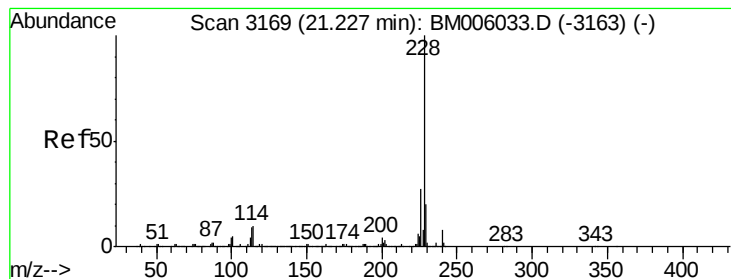
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#31
Pyrene
 Concen: 36.07 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.01 min
 Lab File: BM006052.D
 Acq: 26 Jun 2016 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3650040		
101	11.8	9.8	14.6	
100	9.1	8.2	12.2	





#32

Benzo(a)anthracene

Concen: 6.36 ng/ul m

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

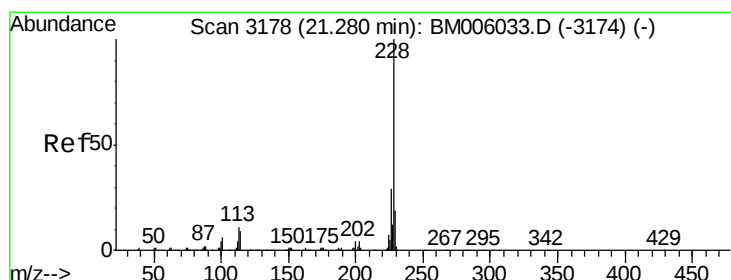
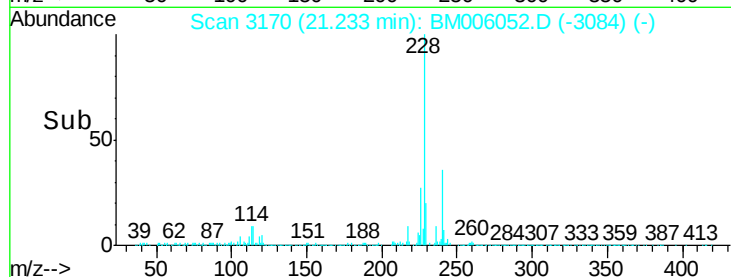
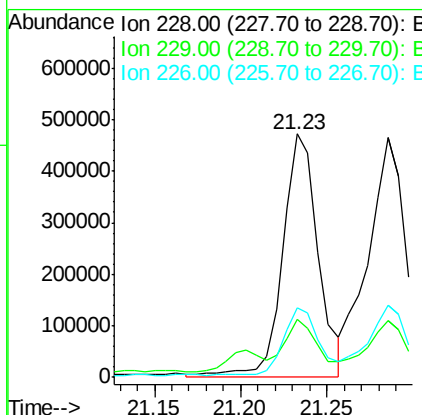
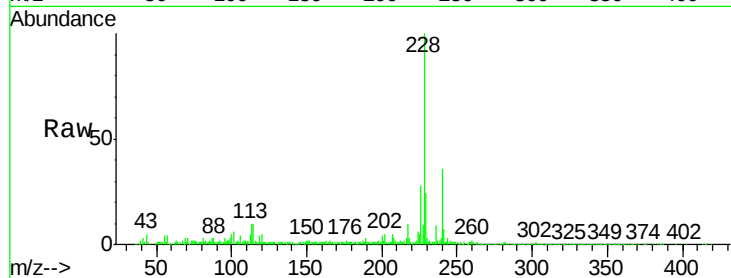
ClientSampleId :

D9Y98MSD

Tgt Ion:	228	Resp:	667473
Ion Ratio	Lower	Upper	
228	100		
229	23.9	15.8	23.6#
226	28.5	21.5	32.3

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#33

Chrysene

Concen: 7.17 ng/ul

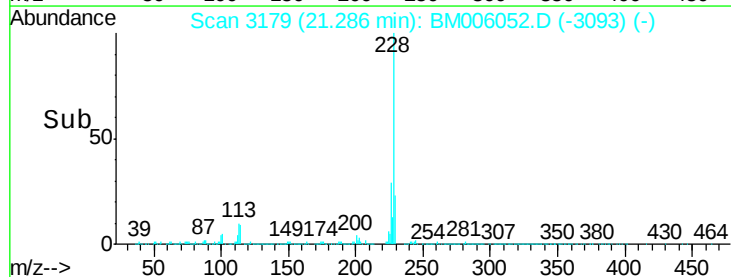
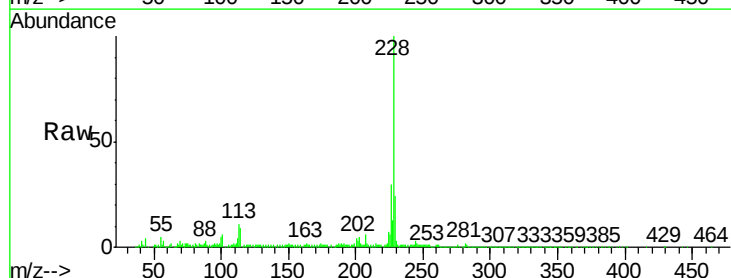
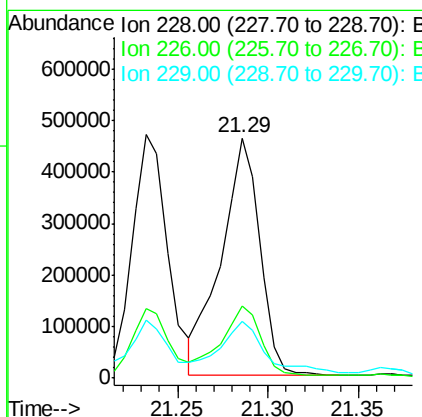
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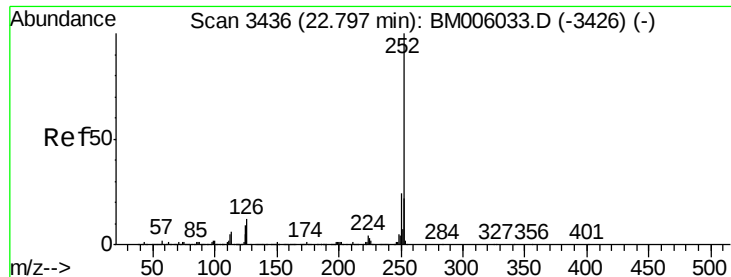
Delta R.T. 0.01 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion:	228	Resp:	687255
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.3	36.5
229	23.6	15.4	23.2#





#35

Benzo(b)fluoranthene

Concen: 9.50 ng/ul

RT: 22.81 min Scan# 3438

Delta R.T. 0.01 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

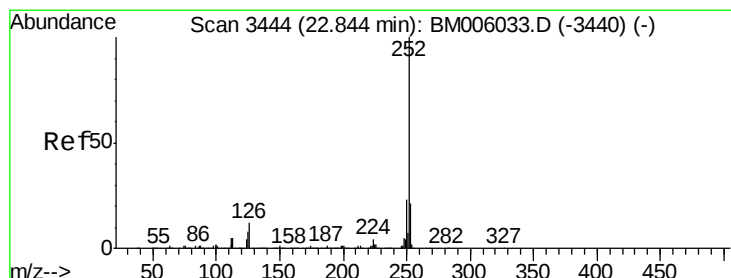
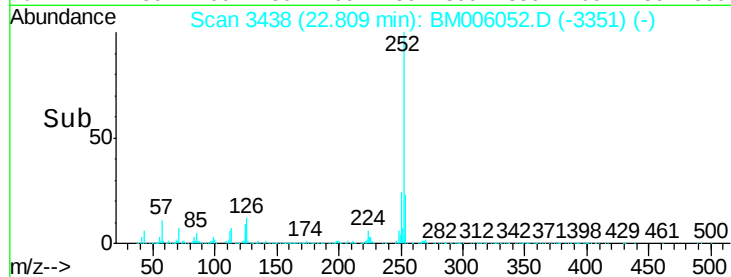
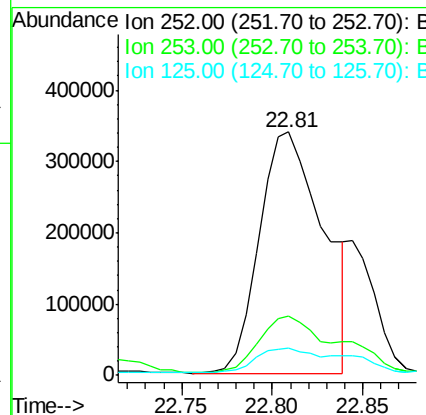
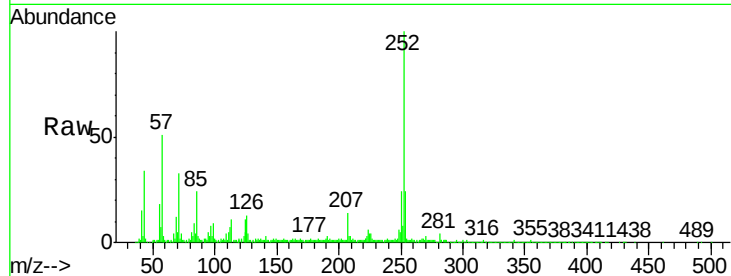
ClientSampleId :

D9Y98MSD

Tgt Ion:	252	Resp:	831640
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	11.0	6.8	10.2#

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#36

Benzo(k)fluoranthene

Concen: 2.39 ng/ul m

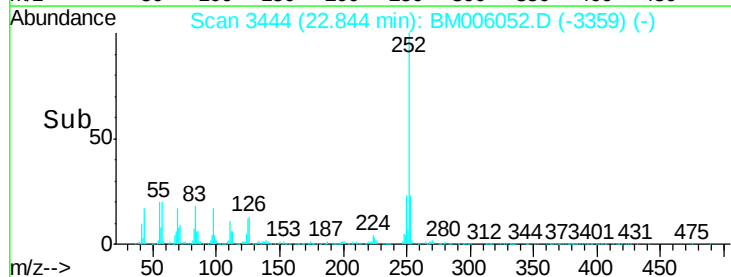
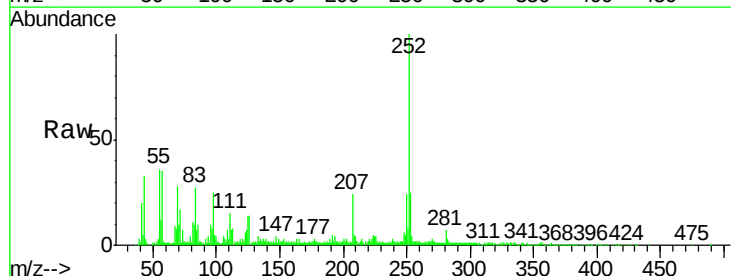
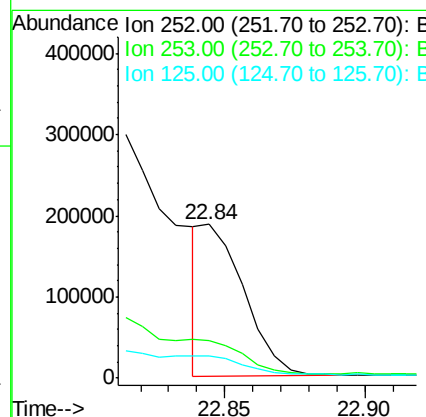
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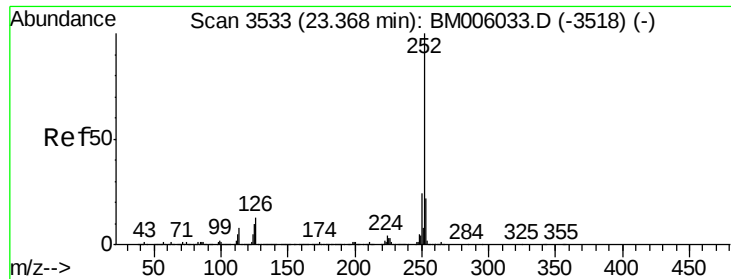
Delta R.T. -0.00 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion:	252	Resp:	194586
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.3	25.9
125	14.5	7.0	10.4#





#38

Benzo(a)pyrene

Concen: 5.76 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006052.D

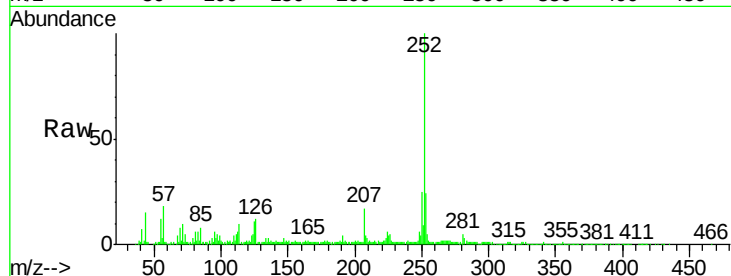
Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

ClientSampleId :

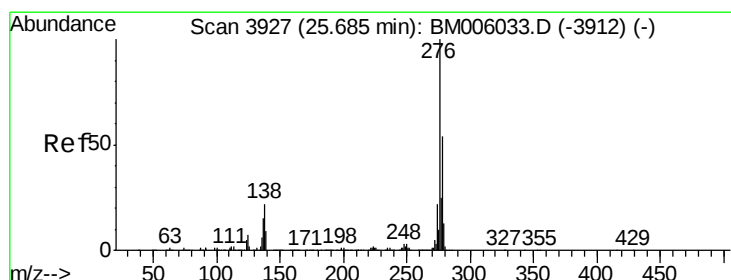
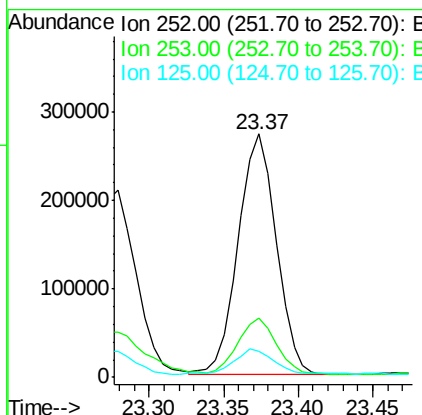
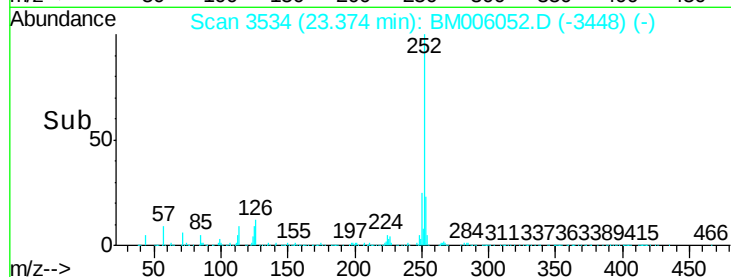
D9Y98MSD



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	483555		
253	24.2	17.6	26.4	
125	10.9	7.8	11.6	

Manual Integrations
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#39

Indeno(1,2,3-cd)pyrene

Concen: 3.41 ng/ul

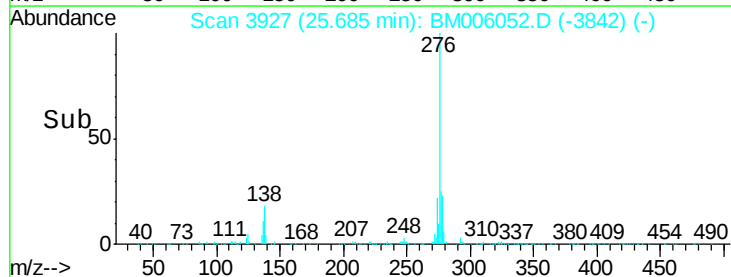
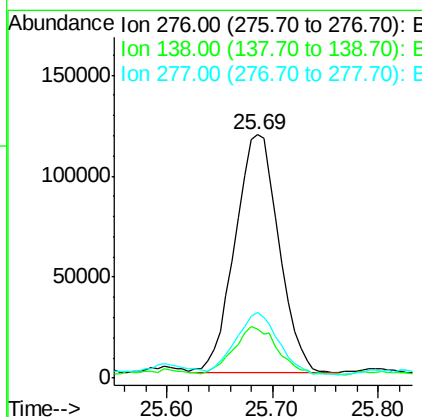
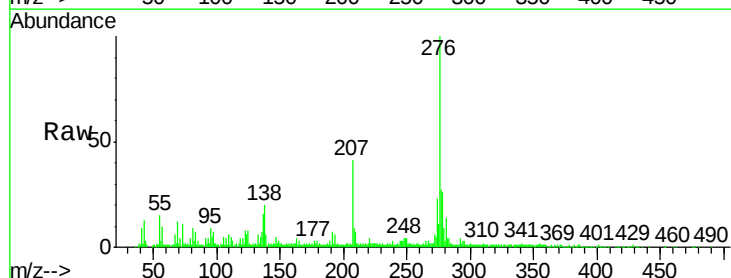
RT: 25.69 min Scan# 3927

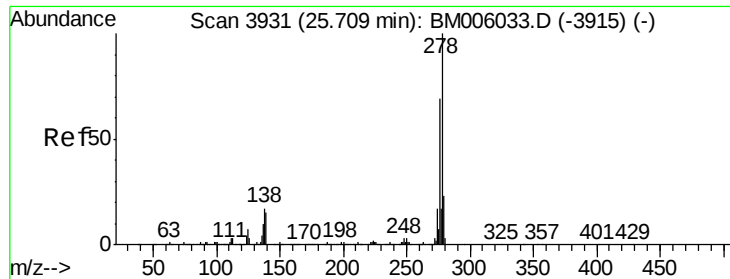
Delta R.T. -0.00 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	340845		
138	19.9	16.6	25.0	
277	26.8	19.6	29.4	





#40

Dibenzo(a,h)anthracene

Concen: 1.16 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. -0.02 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Instrument :

BNA_M

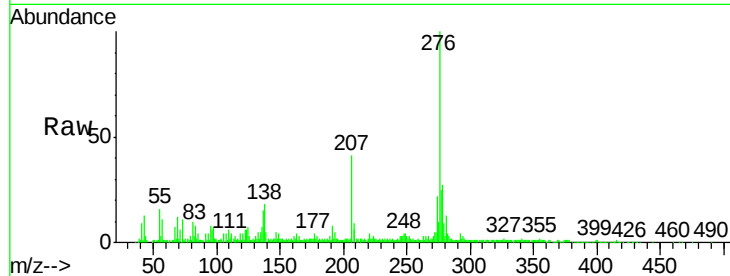
ClientSampleId :

D9Y98MSD

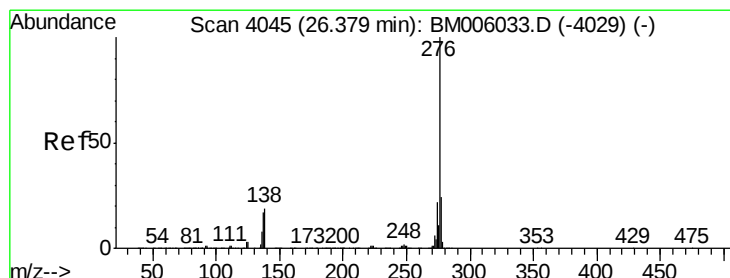
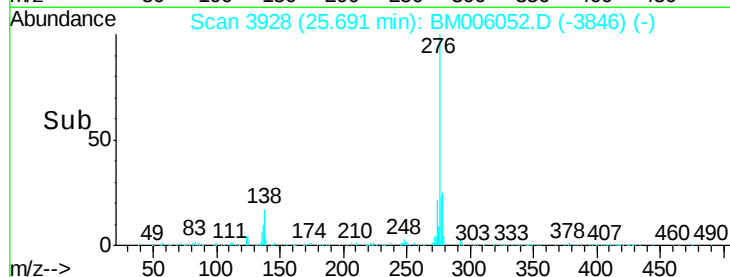
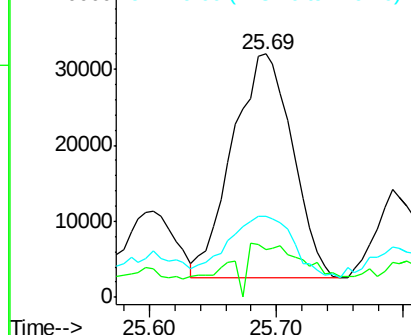
Tgt Ion:	278	Resp:	96175
Ion Ratio	Lower	Upper	
278	100		
139	19.6	11.4	17.2#
279	33.5	18.8	28.2#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 3.75 ng/ul

RT: 26.36 min Scan# 4042

Delta R.T. -0.02 min

Lab File: BM006052.D

Acq: 26 Jun 2016 22:47

Tgt Ion:	276	Resp:	324319
Ion Ratio	Lower	Upper	
276	100		
138	22.5	15.9	23.9
277	25.3	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

