

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006054.D
 Acq On : 26 Jun 2016 23:59
 Operator : UM/SJ
 Sample : H3670-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA0

Manual Integrations
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 6/27/2016 8:06:14 PM

Quant Time: Jun 27 06:12:29 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	299796	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1474867	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	878527	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2010391	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1851283	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1674594	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	8873	1.32	ng/uL	0.00
3) Phenol-d5	6.83	99	405092	12.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	271585	15.48	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	316993	14.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	245923	9.24	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	180438	16.07	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	198571	15.89	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	357958	14.94	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	359194	13.81	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1171211	15.57	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1502328	17.22	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	162171	10.11	ng/ul	0.00
21) Fluorene-d10	15.30	176	1037576	16.16	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	86337	7.74	ng/ul	0.00
26) Anthracene-d10	17.16	188	1609562	17.43	ng/ul	0.00
30) Pyrene-d10	19.46	212	1723753	21.26	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	1315125	17.39	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	121429	1.65	ng/ul	99
18) Acenaphthylene	14.03	152	362040	3.94	ng/ul	99
25) Phenanthrene	17.10	178	1731795	16.02	ng/ul	100
27) Anthracene	17.19	178	383715	3.44	ng/ul	99
28) Fluoranthene	19.12	202	3890050	28.09	ng/ul	99
31) Pyrene	19.49	202	3401437	32.09	ng/ul	99
32) Benzo(a)anthracene	21.23	228	1724610	15.68	ng/ul	97
33) Chrysene	21.29	228	1719140	17.11	ng/ul	98
35) Benzo(b)fluoranthene	22.81	252	2469521	25.38	ng/ul	97
36) Benzo(k)fluoranthene	22.84	252	675254m	7.46	ng/ul	
38) Benzo(a)pyrene	23.37	252	1502840	16.11	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.69	276	1244667	11.19	ng/ul	97
40) Dibenzo(a,h)anthracene	25.69	278	292553m	3.16	ng/ul	
41) Benzo(g,h,i)perylene	26.37	276	1252606	13.02	ng/ul	98

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

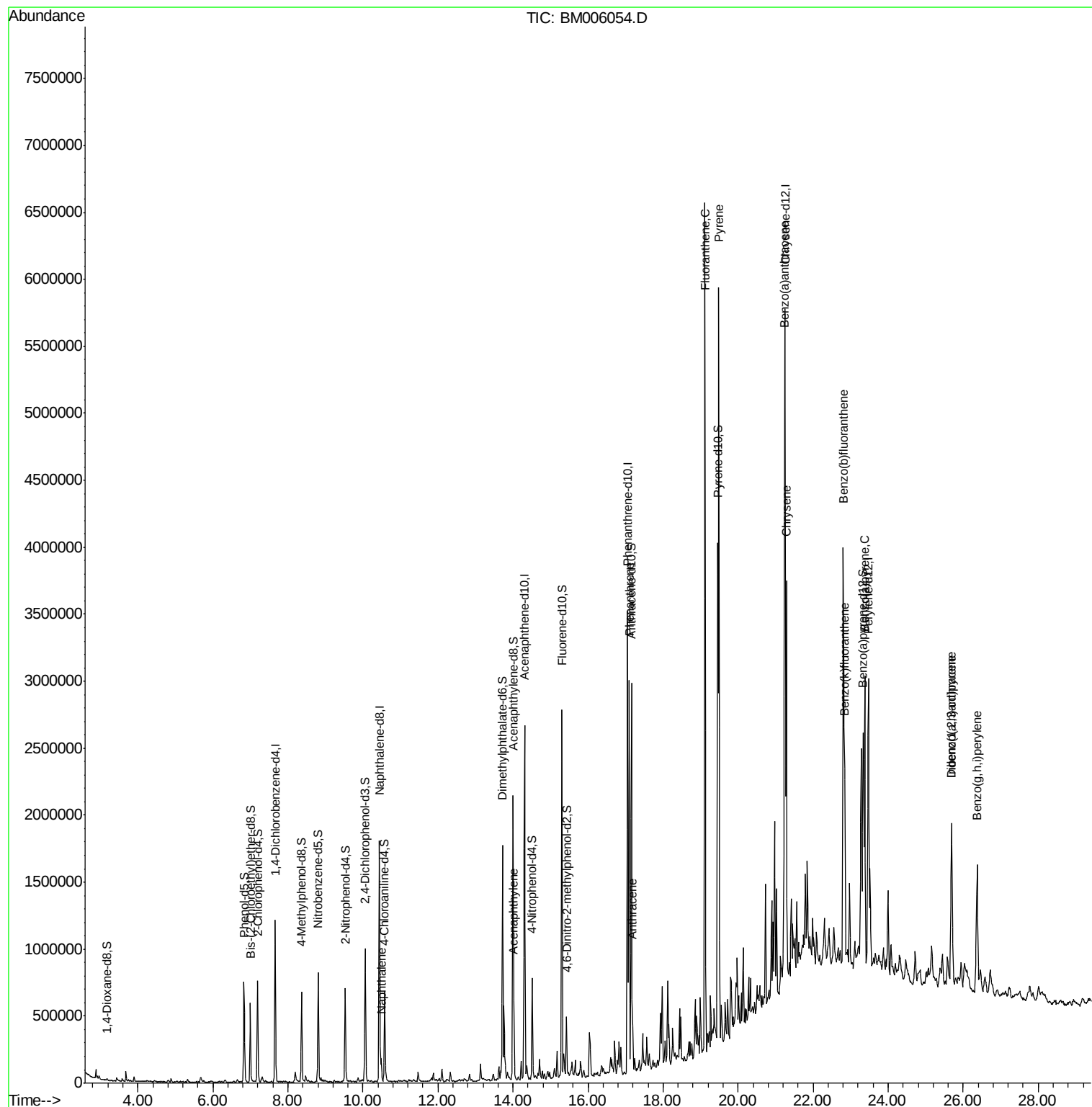
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006054.D
Acq On : 26 Jun 2016 23:59
Operator : UM/SJ
Sample : H3670-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

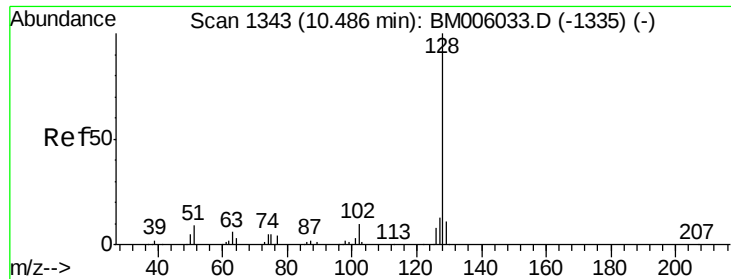
Instrument :
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ClientSampleId :
D9YA0

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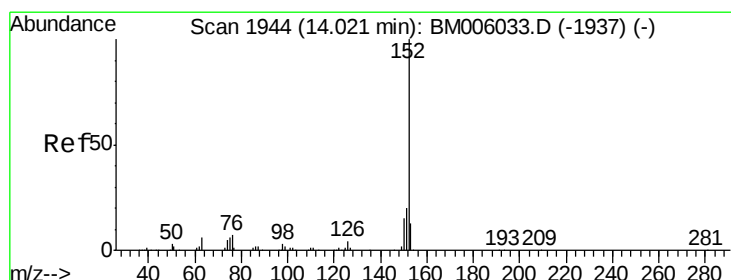
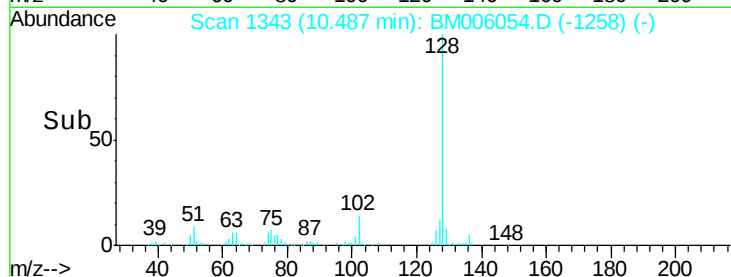
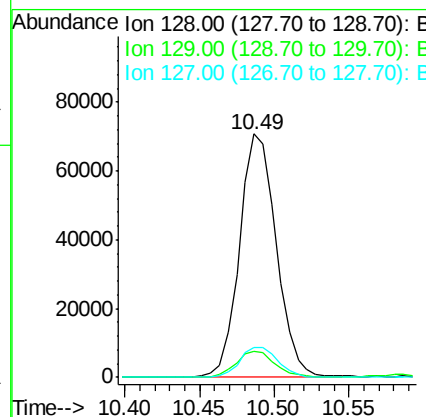
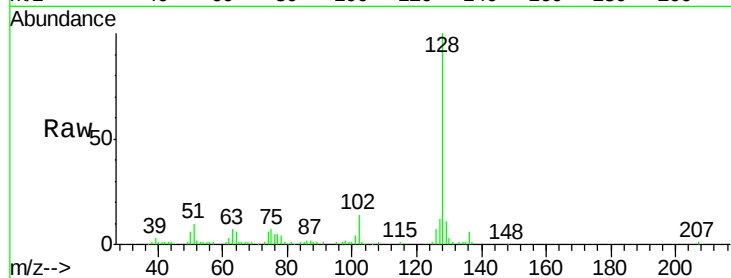
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Naphthalene
Concen: 1.65 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Instrument :
BNA_M
ClientSampleId :
D9YA0

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	121429		
129	10.6	8.6	13.0	
127	12.4	10.2	15.4	

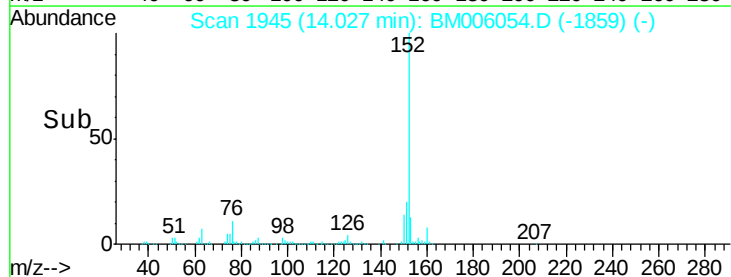
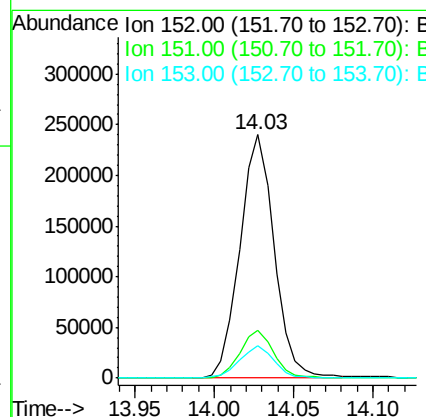
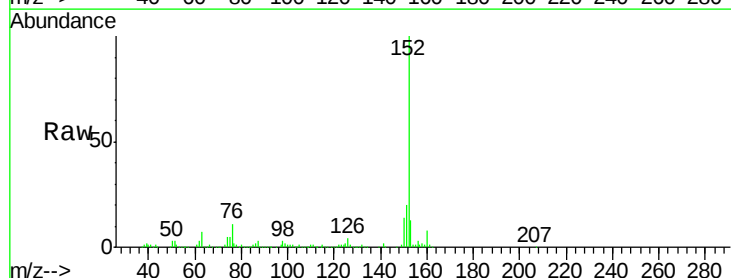
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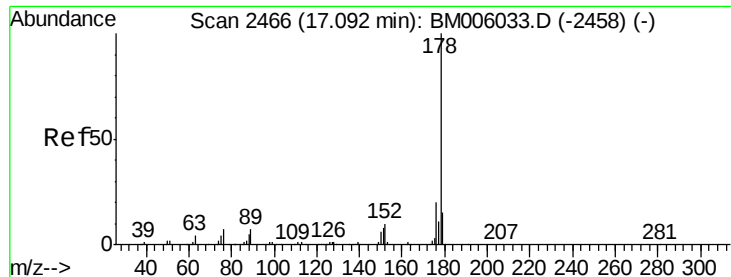
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#18
Acenaphthylene
Concen: 3.94 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	362040		
151	19.6	15.5	23.3	
153	13.4	10.5	15.7	





#25

Phenanthrene

Concen: 16.02 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

Instrument :

BNA_M

ClientSampleId :

D9YA0

Tgt Ion:178 Resp: 1731795

Ion Ratio Lower Upper

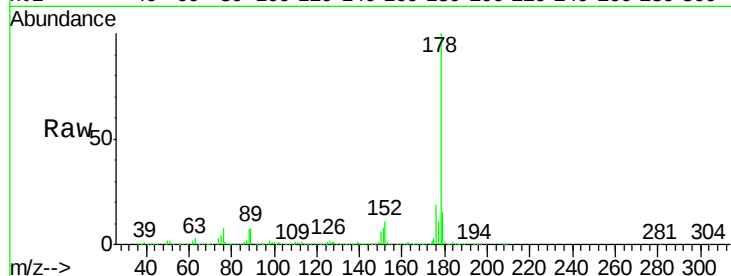
178 100

179 15.1 12.1 18.1

176 19.0 15.4 23.0

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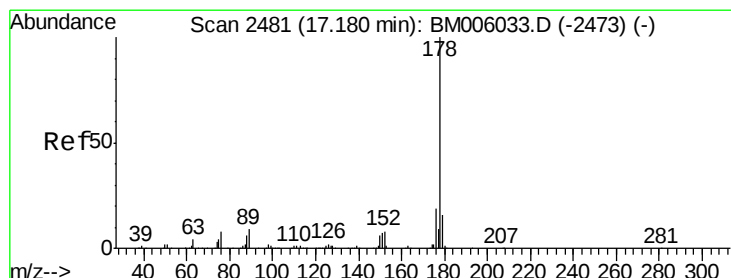
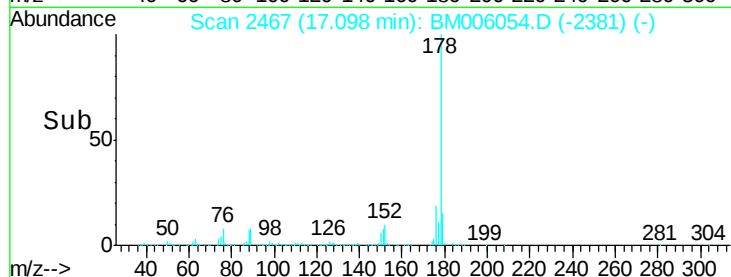
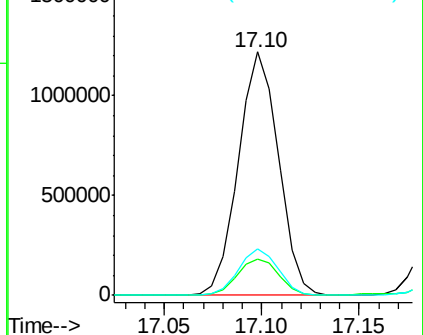
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 3.44 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

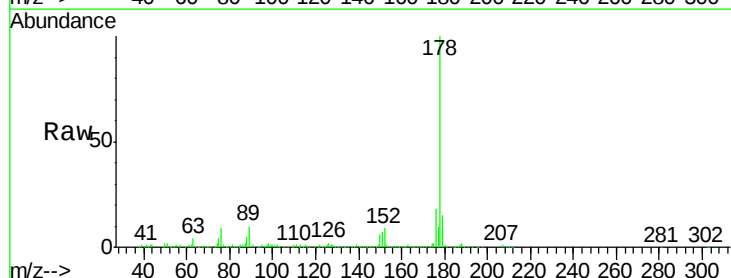
Tgt Ion:178 Resp: 383715

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

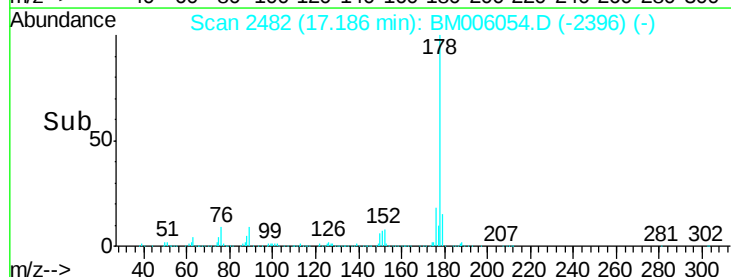
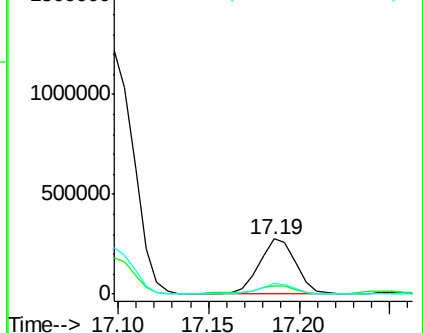
176 18.2 14.9 22.3

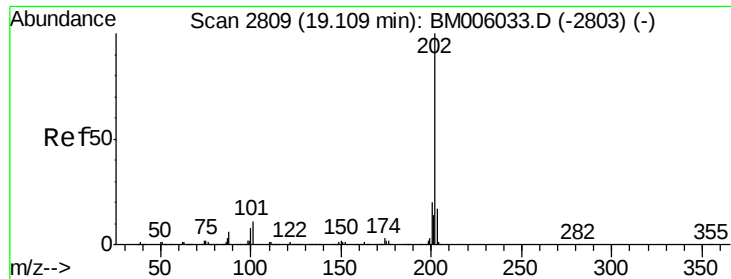


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





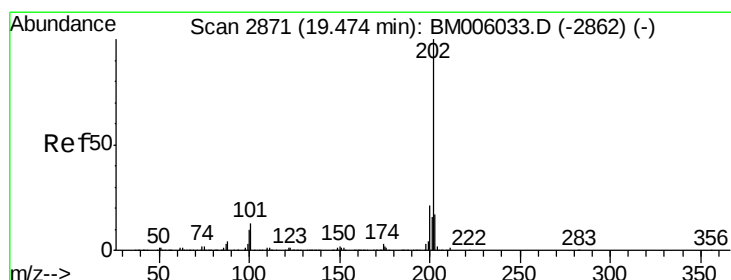
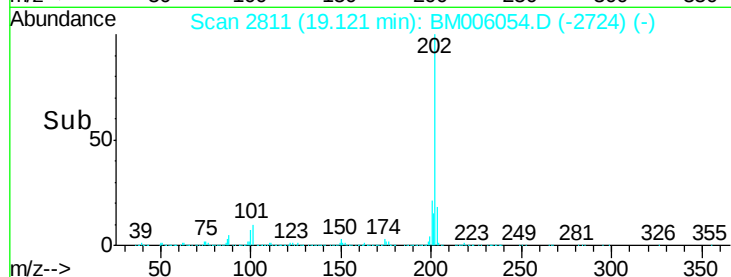
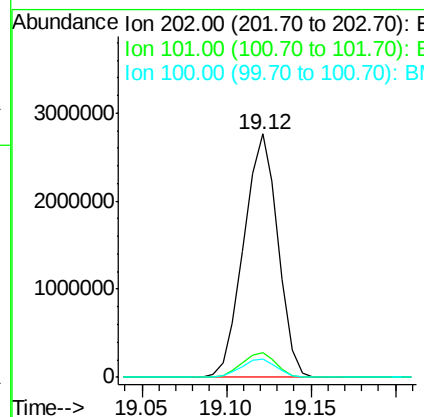
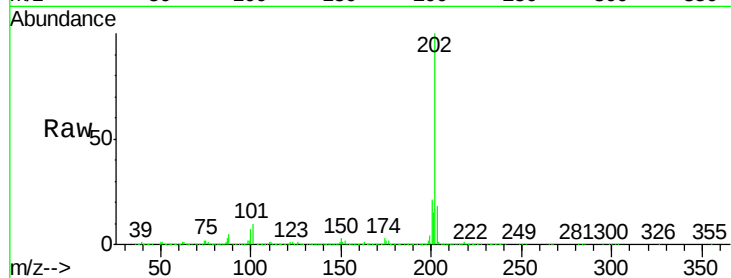
#28
 Fluoranthene
 Concen: 28.09 ng/ul
 RT: 19.12 min Scan# 2811
 Delta R.T. 0.01 min
 Lab File: BM006054.D
 Acq: 26 Jun 2016 23:59

Instrument :
 BNA_M
 ClientSampleId :
 D9YA0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3890050		
101	9.9	8.2	12.4	
100	7.4	6.3	9.5	

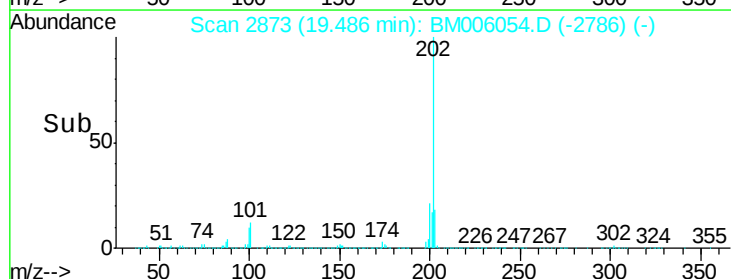
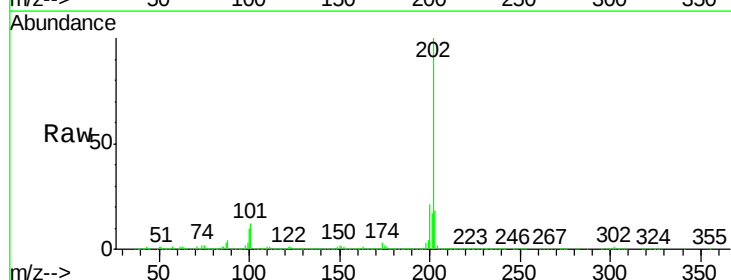
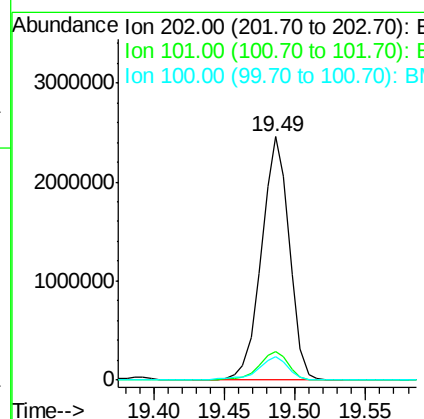
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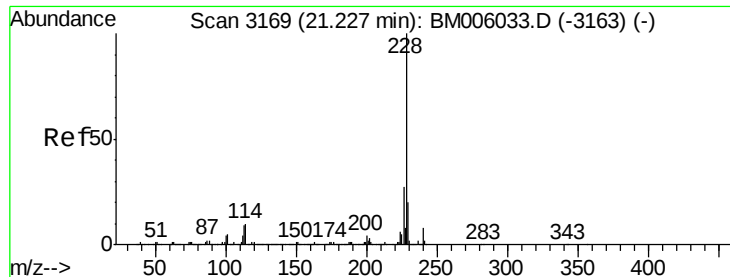
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#31
 Pyrene
 Concen: 32.09 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.01 min
 Lab File: BM006054.D
 Acq: 26 Jun 2016 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3401437		
101	12.0	9.8	14.6	
100	9.5	8.2	12.2	





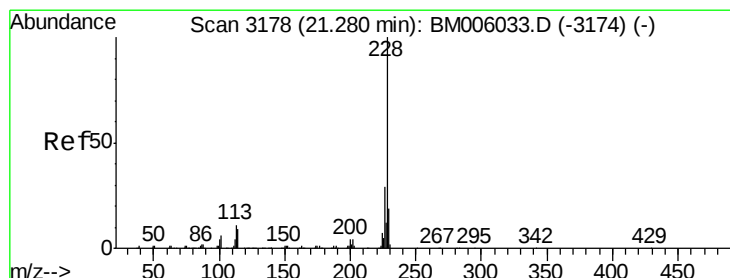
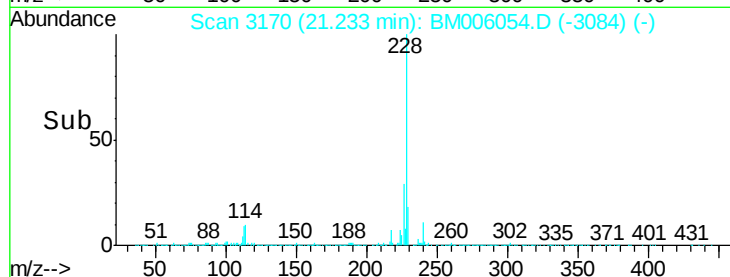
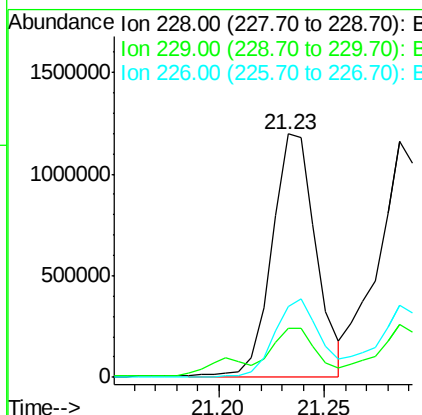
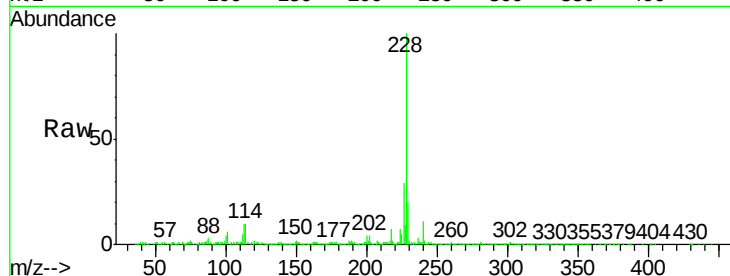
#32
Benzo(a)anthracene
Concen: 15.68 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Instrument :
BNA_M
ClientSampleId :
D9YA0

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	29.0	21.5	32.3

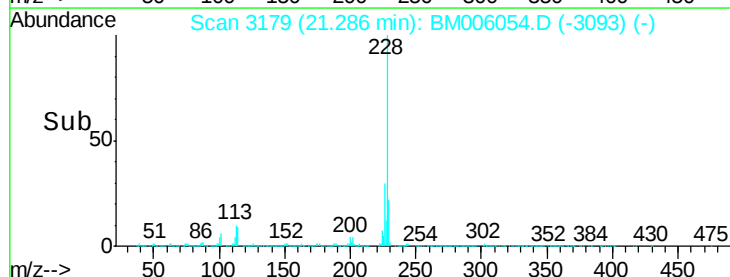
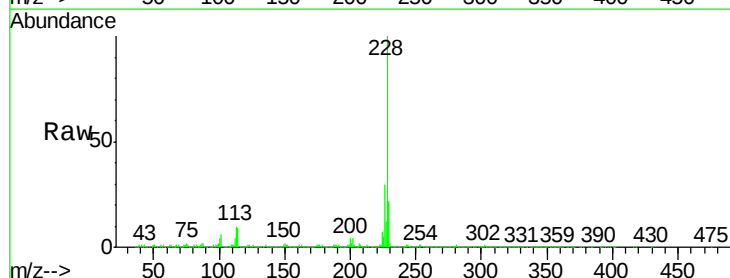
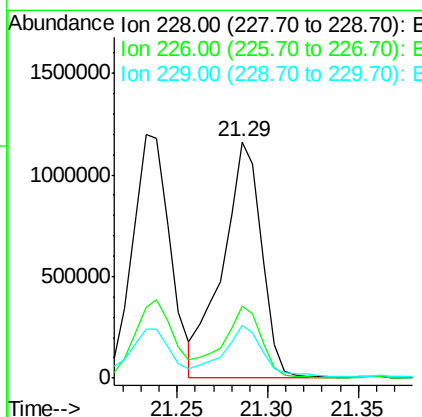
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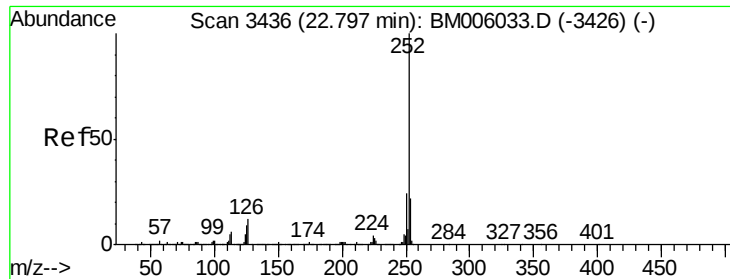
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#33
Chrysene
Concen: 17.11 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	22.1	15.4	23.2





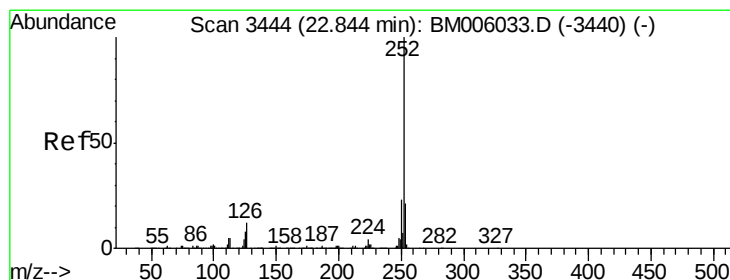
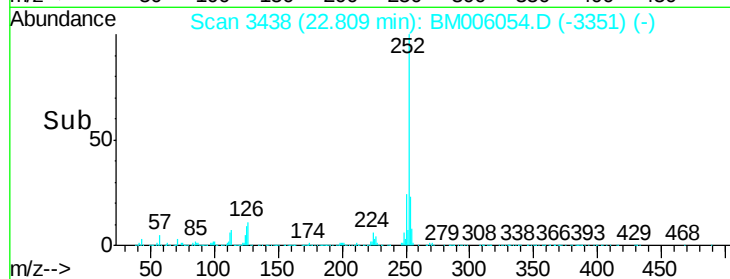
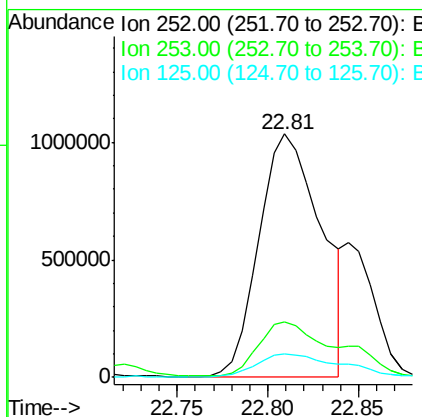
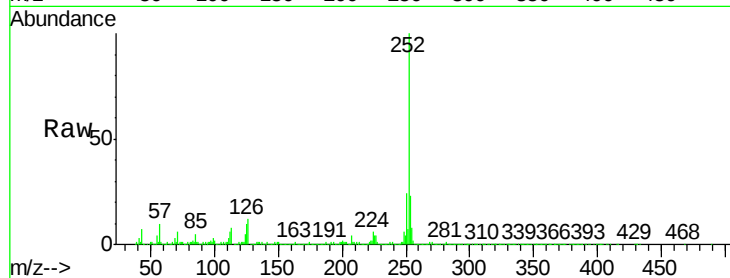
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Benzo(b)fluoranthene
Concen: 25.38 ng/ul
RT: 22.81 min Scan# 3438
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Instrument :
BNA_M
ClientSampleId :
D9YA0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	9.5	6.8	10.2

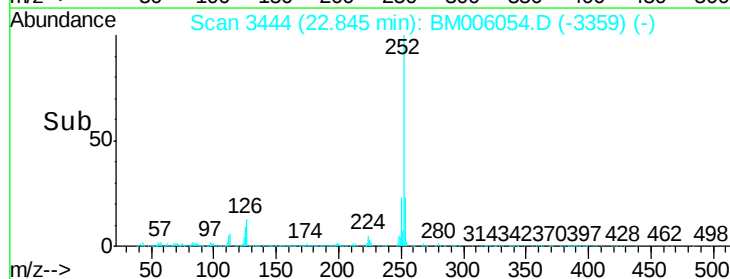
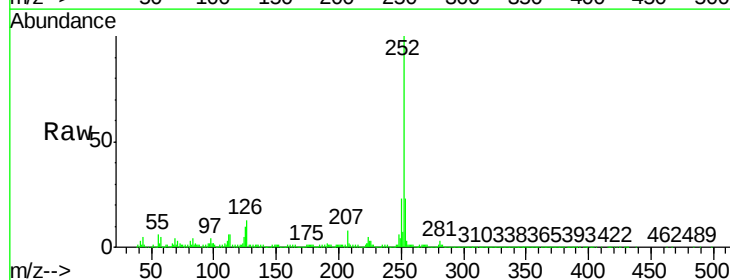
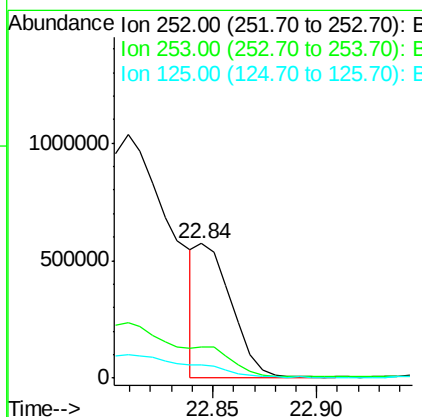
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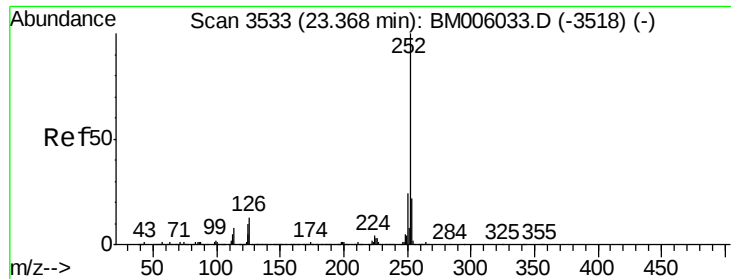
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#36
Benzo(k)fluoranthene
Concen: 7.46 ng/ul m
RT: 22.84 min Scan# 3444
Delta R.T. 0.00 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	10.0	7.0	10.4





#38

Benzo(a)pyrene

Concen: 16.11 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

Instrument :

BNA_M

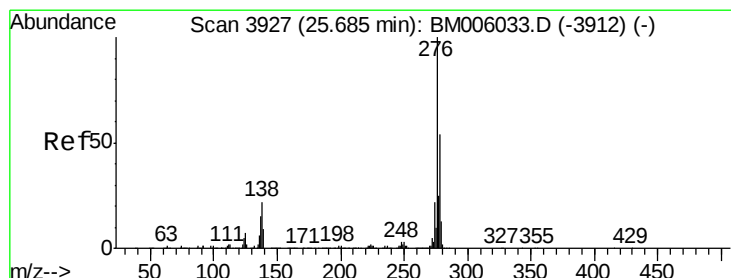
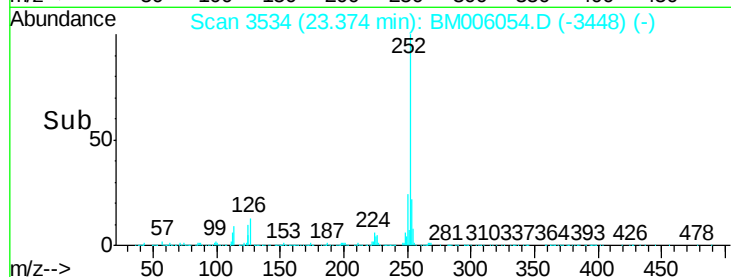
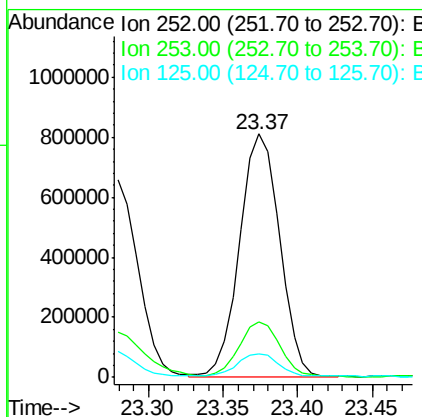
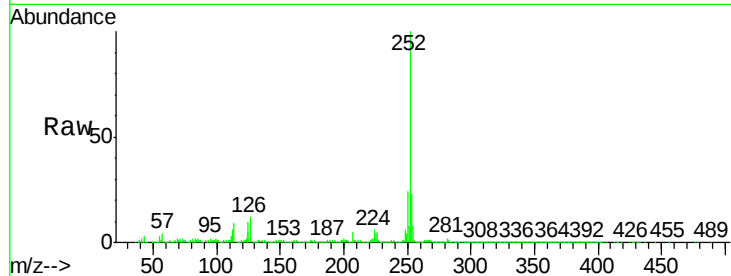
ClientSampleId :

D9YA0

Tgt Ion:	252	Resp:	1502840
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	9.9	7.8	11.6

Manual Integrations
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#39

Indeno(1,2,3-cd)pyrene

Concen: 11.19 ng/ul

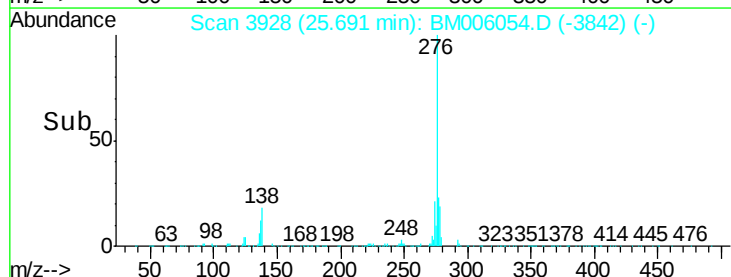
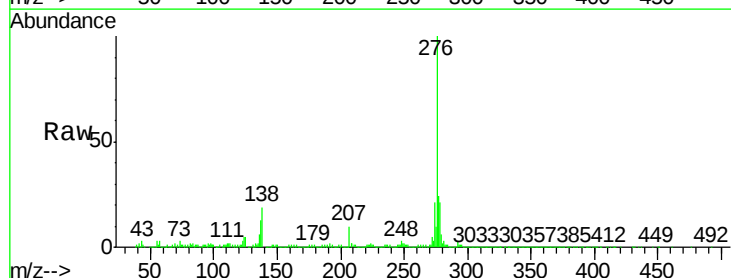
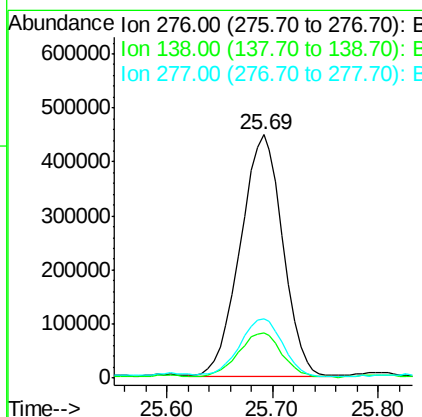
RT: 25.69 min Scan# 3928

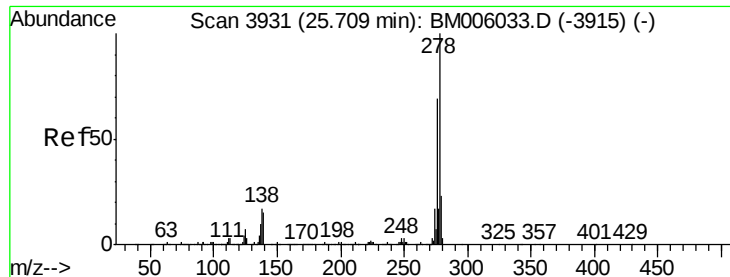
Delta R.T. 0.01 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

Tgt Ion:	276	Resp:	1244667
Ion Ratio	Lower	Upper	
276	100		
138	18.5	16.6	25.0
277	24.3	19.6	29.4





#40

Dibenzo(a,h)anthracene

Concen: 3.16 ng/ul m

RT: 25.69 min Scan# 3928

Delta R.T. -0.02 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

Instrument :

BNA_M

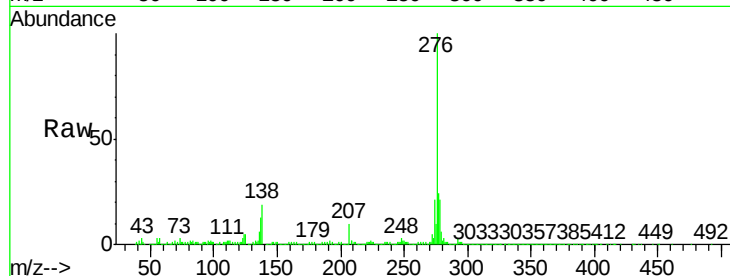
ClientSampleId :

D9YA0

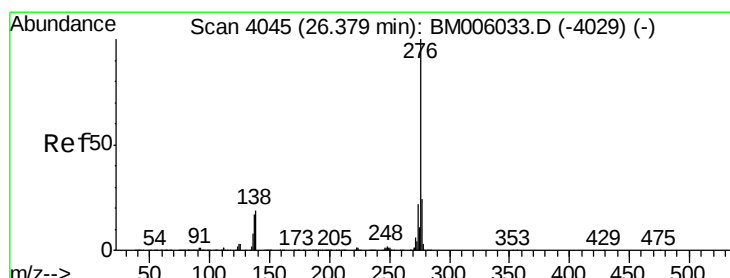
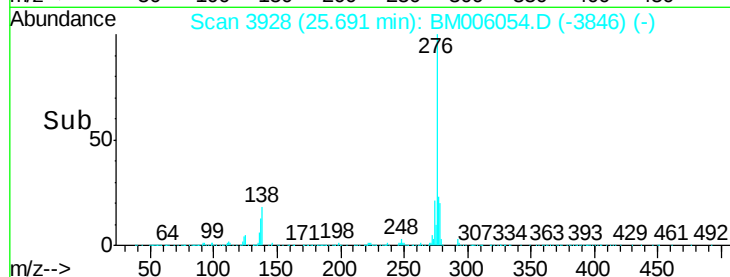
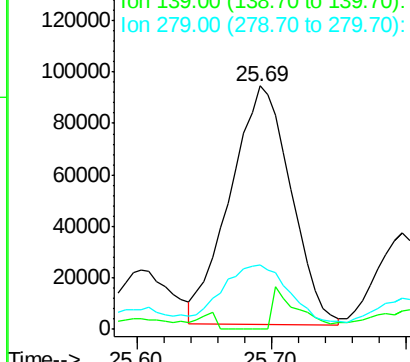
Tgt Ion:	278	Resp:	292553
Ion Ratio	Lower	Upper	
278	100		
139	0.0	11.4	17.2#
279	26.5	18.8	28.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:14 PM



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: 13.02 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM006054.D

Acq: 26 Jun 2016 23:59

Tgt Ion:	276	Resp:	1252606
Ion Ratio	Lower	Upper	
276	100		
138	18.5	15.9	23.9
277	23.6	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

