

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005803.D
 Acq On : 15 Jun 2016 02:19
 Operator : UM/SJ
 Sample : H3565-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04

Manual Integrations
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Quant Time: Jun 15 05:58:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	94275	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	483139	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	274955	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	498799	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	425804	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	452871	20.00	ng/ul	0.00

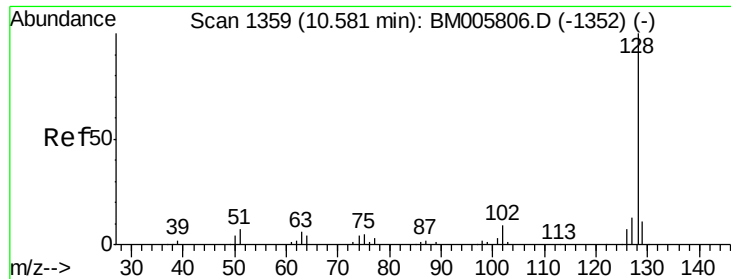
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3185	1.56	ng/uL	0.00
3) Phenol-d5	6.92	99	116447	15.04	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	89668	19.46	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	118719	18.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	74572	11.40	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	61449	17.96	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	71113	18.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	127875	17.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	119443	14.94	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	425077	19.48	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	534901	19.29	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	27047m	10.78	ng/ul	0.01
21) Fluorene-d10	15.38	176	351438	19.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	28201	12.64	ng/ul	0.00
26) Anthracene-d10	17.23	188	440703	19.05	ng/ul	0.00
30) Pyrene-d10	19.53	212	395548	19.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	402366	19.23	ng/ul	0.00

Target Compounds

					Qvalue
11) Naphthalene	10.58	128	30890	1.28 ng/ul	99
13) 2-Methylnaphthalene	12.20	142	27787	1.60 ng/ul	100
14) 1-Methylnaphthalene	12.42	142	25514	1.46 ng/ul	96
18) Acenaphthylene	14.11	152	34628	1.24 ng/ul#	95
25) Phenanthrene	17.17	178	231963	8.48 ng/ul	100
27) Anthracene	17.26	178	41222	1.52 ng/ul	100
28) Fluoranthene	19.19	202	409910	14.08 ng/ul	100
31) Pyrene	19.55	202	339043	12.96 ng/ul	99
32) Benzo(a)anthracene	21.30	228	173807	7.06 ng/ul	96
33) Chrysene	21.35	228	196186	8.13 ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	300179	11.10 ng/ul	98
36) Benzo(k)fluoranthene	22.93	252	90514m	3.61 ng/ul	
38) Benzo(a)pyrene	23.47	252	185627	7.18 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.84	276	145062	4.89 ng/ul	95
40) Dibenzo(a,h)anthracene	25.84	278	39073	1.58 ng/ul#	74
41) Benzo(g,h,i)perylene	26.55	276	130113	5.07 ng/ul	98

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



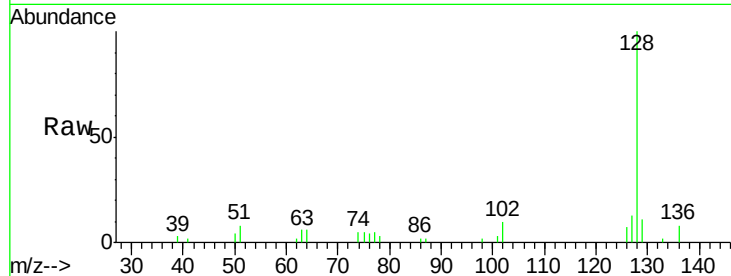
#11
Naphthalene
Concen: 1.28 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Instrument :
BNA_M
ClientSampleId :
D9Y04

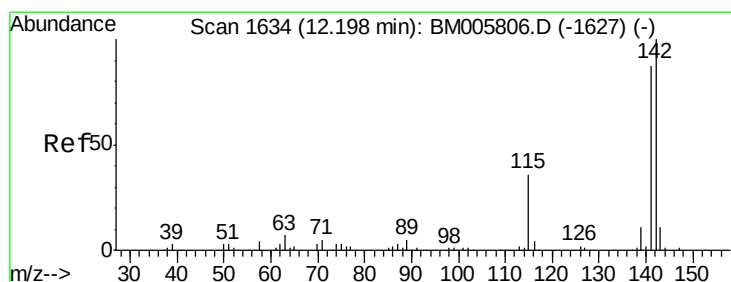
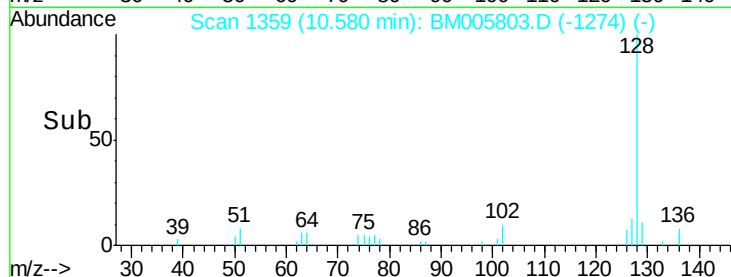
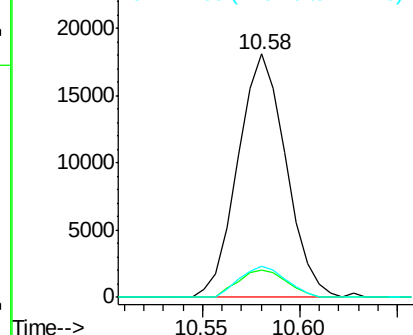
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	30890		
129	11.1	8.9	13.3	
127	12.7	10.5	15.7	

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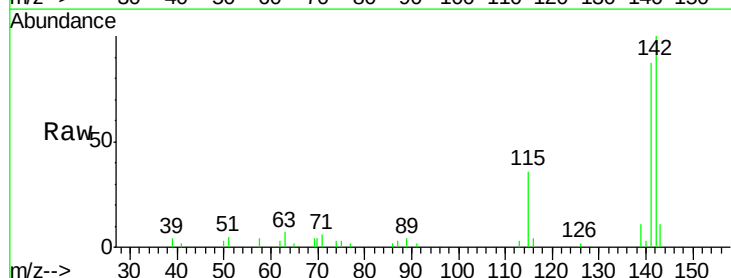


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

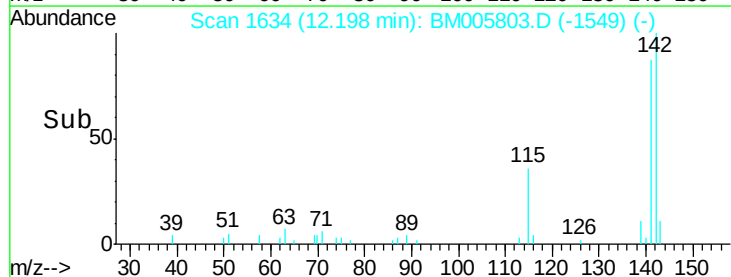
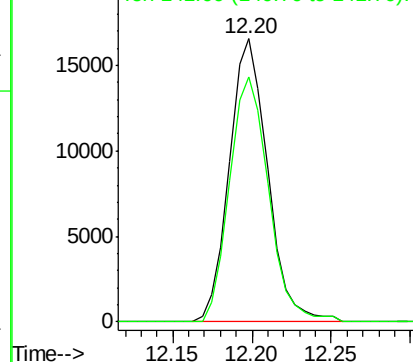


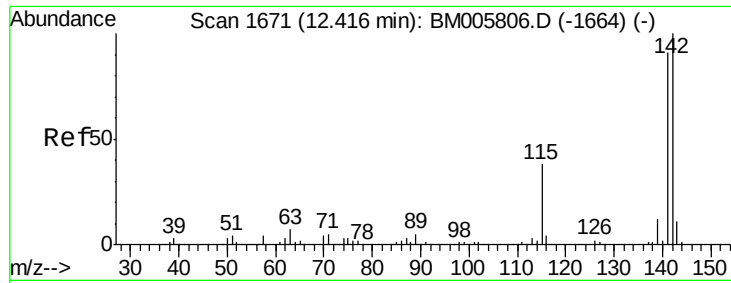
#13
2-Methylnaphthalene
Concen: 1.60 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	27787		
141	86.8	69.0	103.6	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





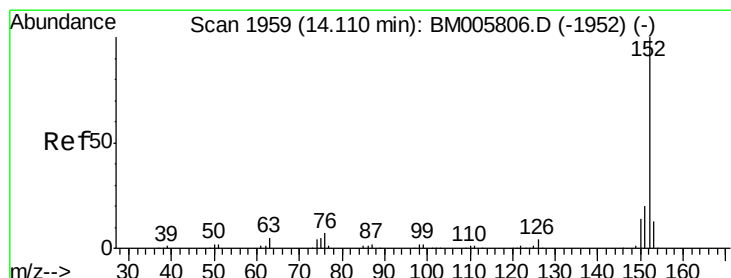
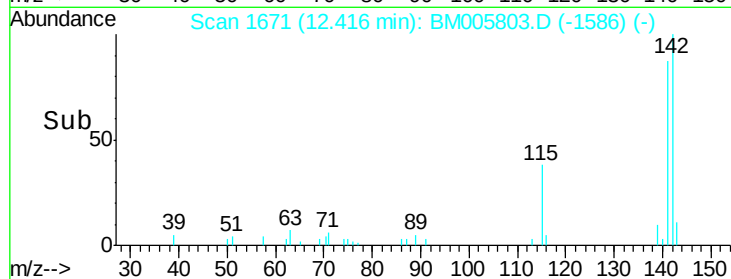
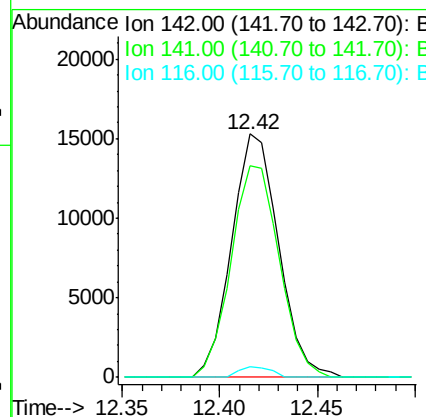
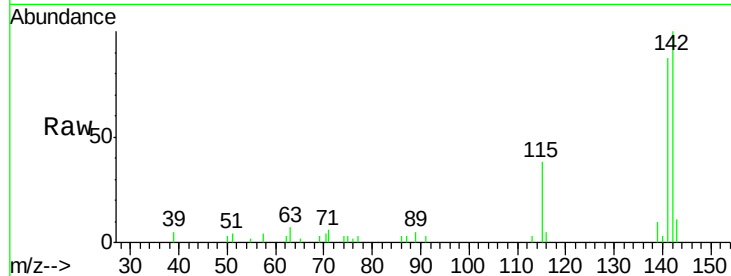
#14
 1-Methylnaphthalene
 Concen: 1.46 ng/ul
 RT: 12.42 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	73.0	109.4
116	4.6	3.0	4.6

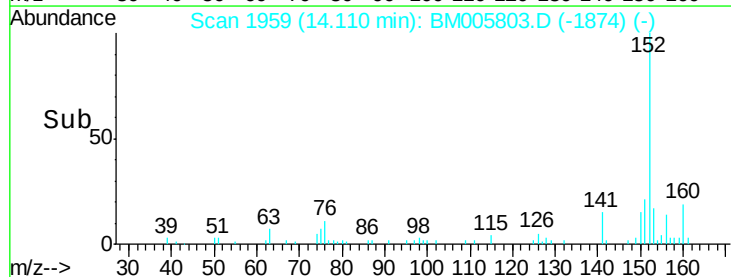
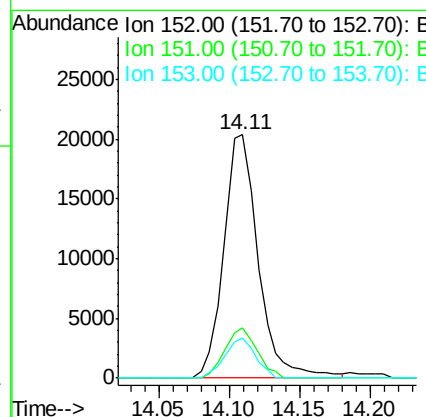
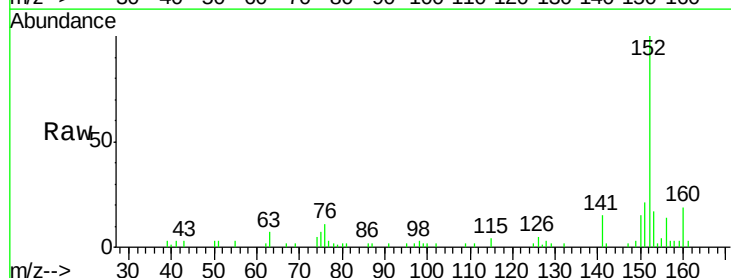
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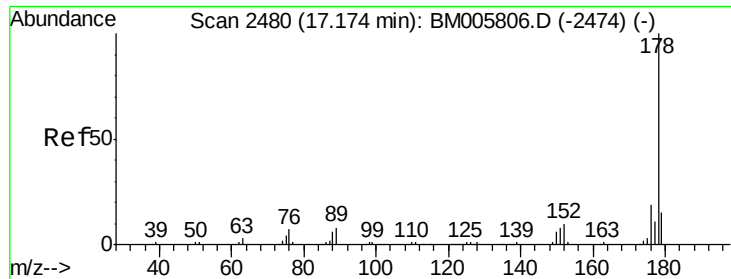
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#18
 Acenaphthylene
 Concen: 1.24 ng/ul
 RT: 14.11 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	16.6	10.3	15.5#





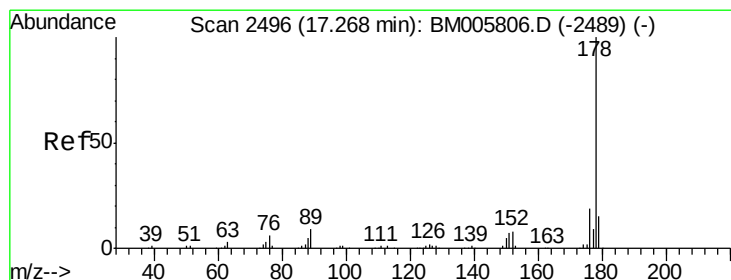
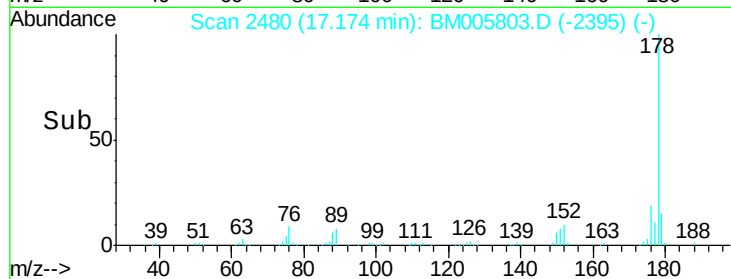
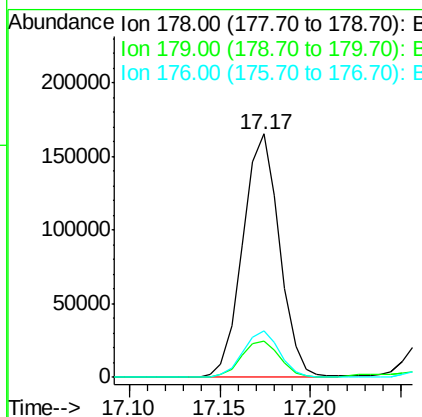
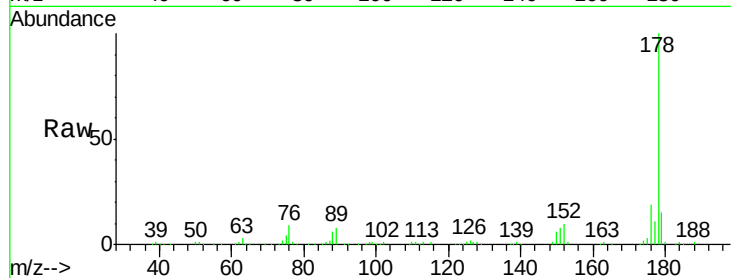
#25
 Phenanthrene
 Concen: 8.48 ng/ul
 RT: 17.17 min Scan# 2480
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.0	15.3	22.9

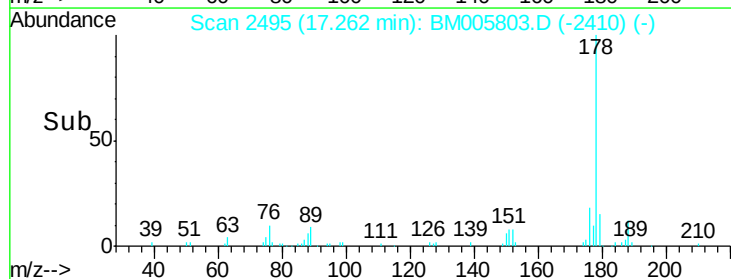
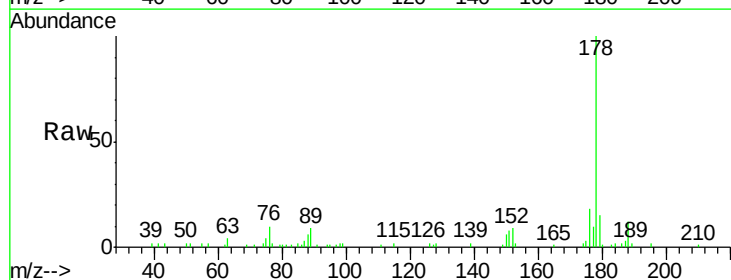
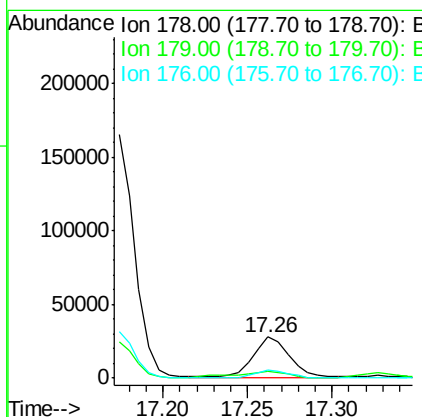
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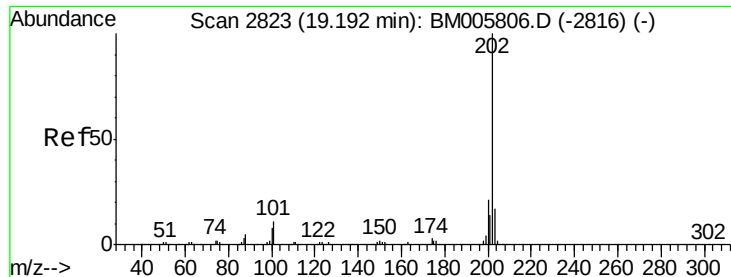
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#27
 Anthracene
 Concen: 1.52 ng/ul
 RT: 17.26 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.4	14.6	22.0





#28

Fluoranthene

Concen: 14.08 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

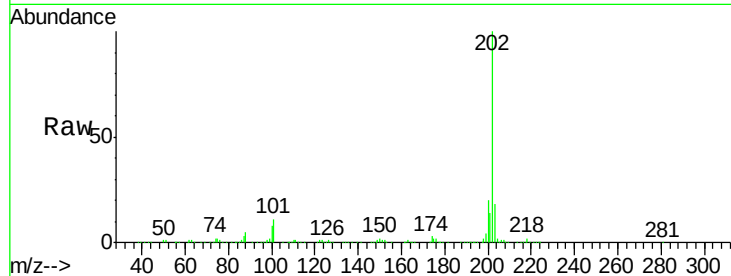
ClientSampleId :

D9Y04

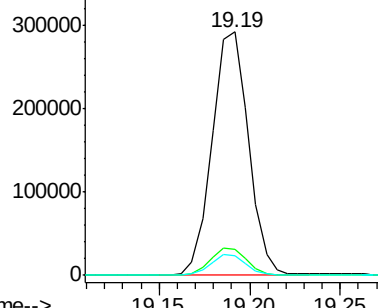
Tgt Ion:	202	Resp:	409910
Ion Ratio		Lower	Upper
202	100		
101	10.7	8.5	12.7
100	7.9	6.5	9.7

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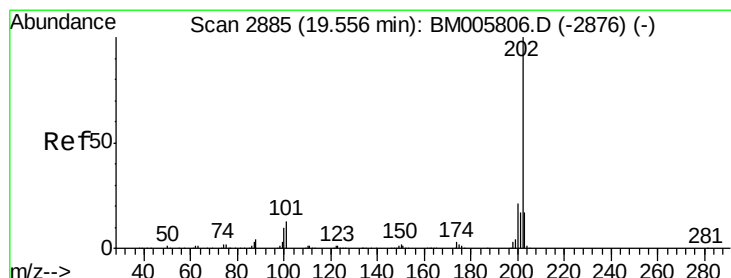
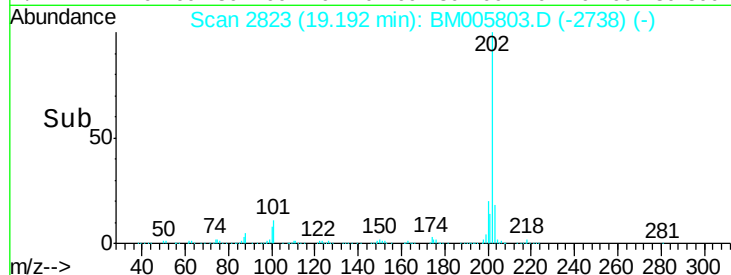
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pyrene

Concen: 12.96 ng/ul

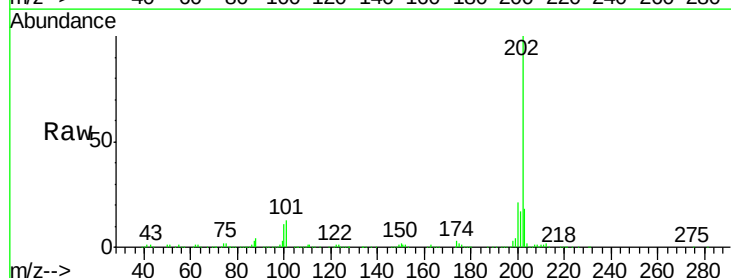
RT: 19.55 min Scan# 2884

Delta R.T. -0.01 min

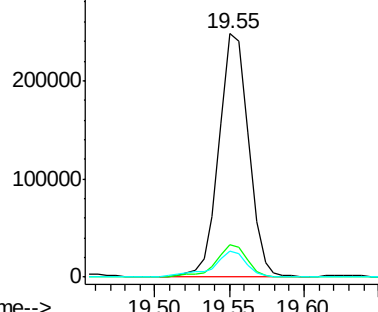
Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

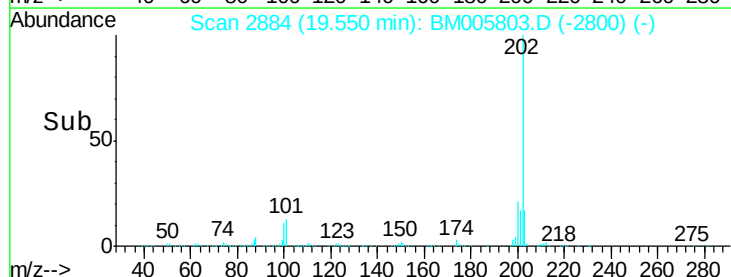
Tgt Ion:	202	Resp:	339043
Ion Ratio		Lower	Upper
202	100		
101	13.1	11.0	16.4
100	10.8	8.9	13.3

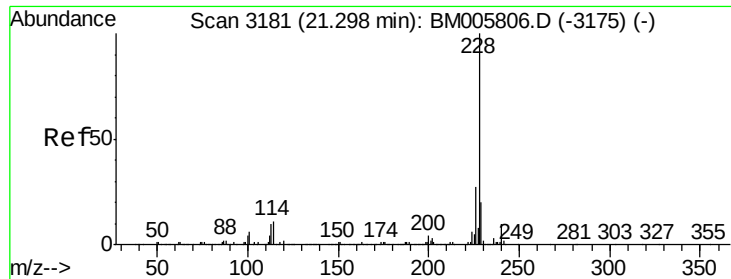


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





#32

Benzo(a)anthracene

Concen: 7.06 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

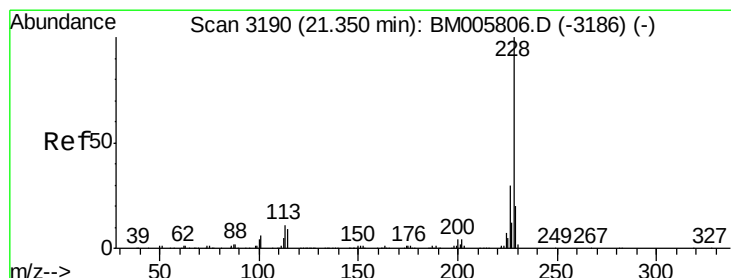
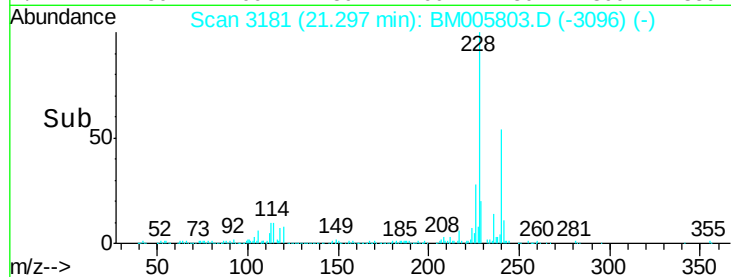
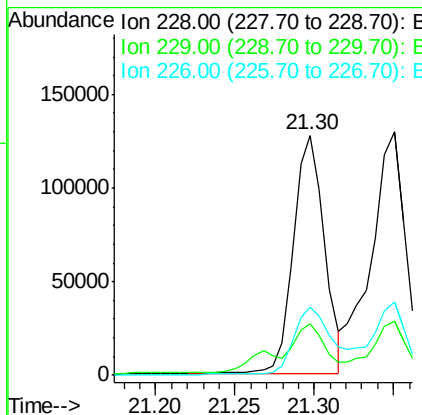
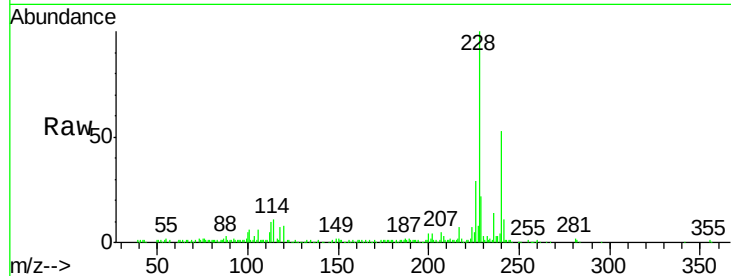
ClientSampleId :

D9Y04

Tgt Ion:	228	Resp:	173807
Ion Ratio	Lower	Upper	
228	100		
229	21.5	15.6	23.4
226	28.5	21.6	32.4

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#33

Chrysene

Concen: 8.13 ng/ul

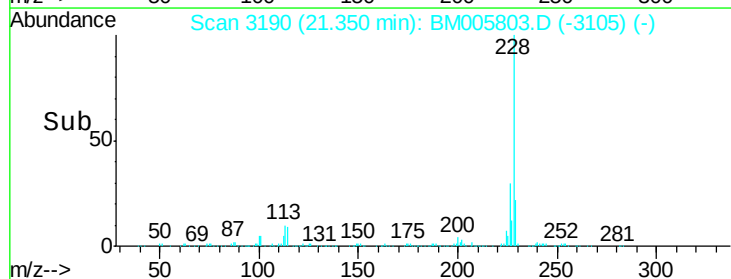
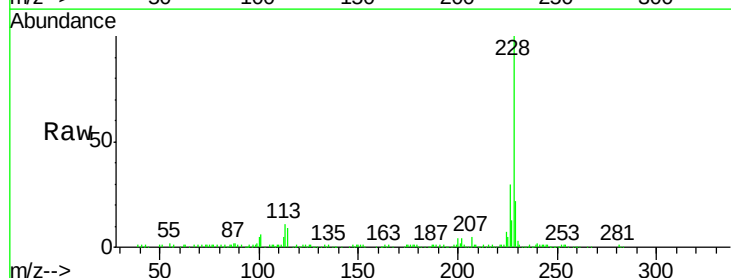
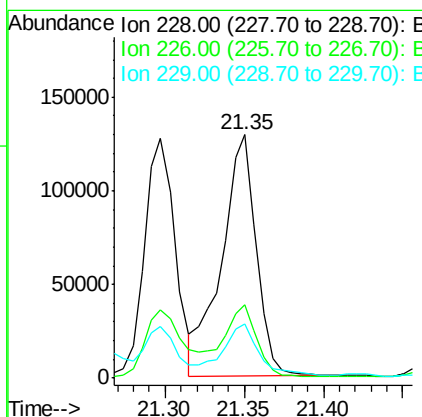
RT: 21.35 min Scan# 3190

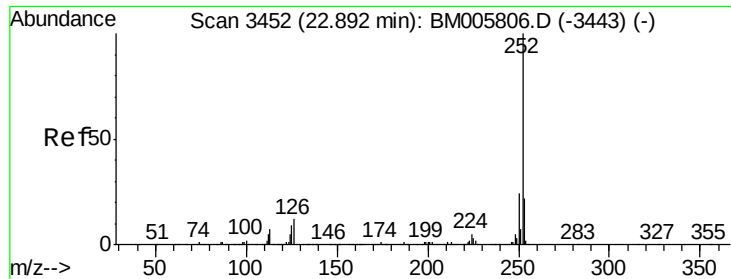
Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Tgt Ion:	228	Resp:	196186
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	22.4	15.8	23.6





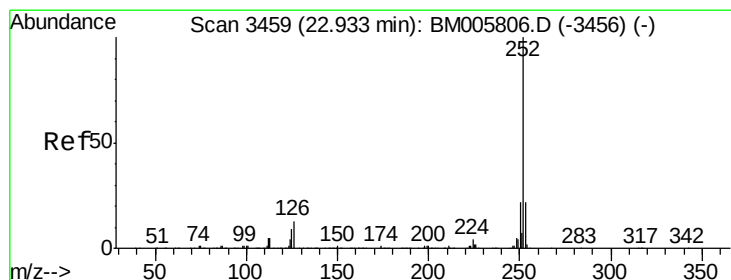
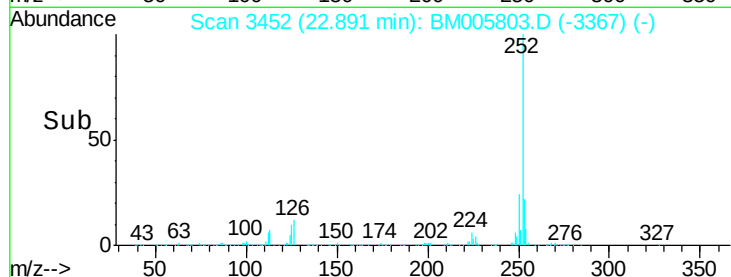
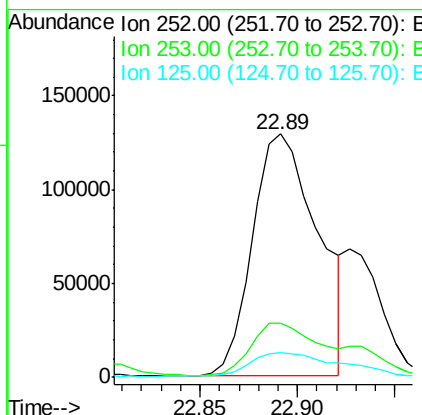
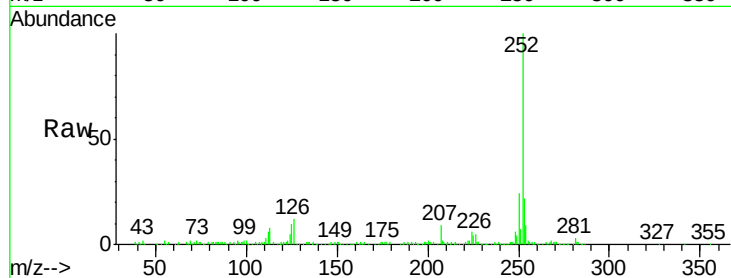
#35
Benzo(b)fluoranthene
Concen: 11.10 ng/ul
RT: 22.89 min Scan# 3452
Delta R.T. -0.00 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Instrument :
BNA_M
ClientSampleId :
D9Y04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	10.3	7.8	11.6

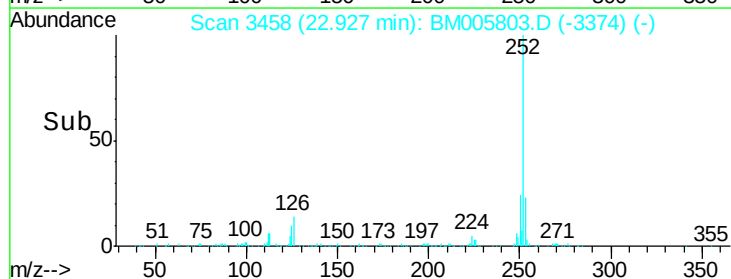
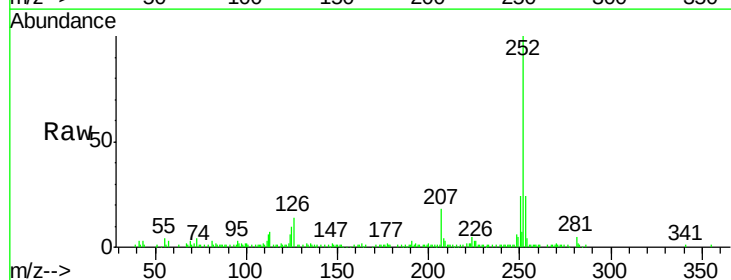
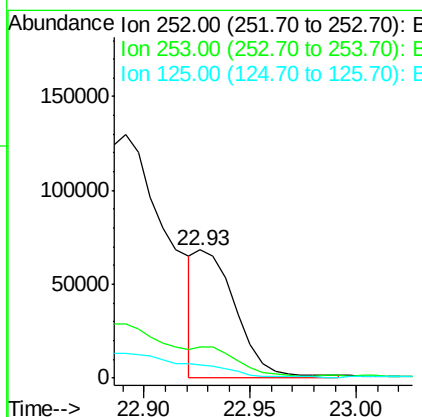
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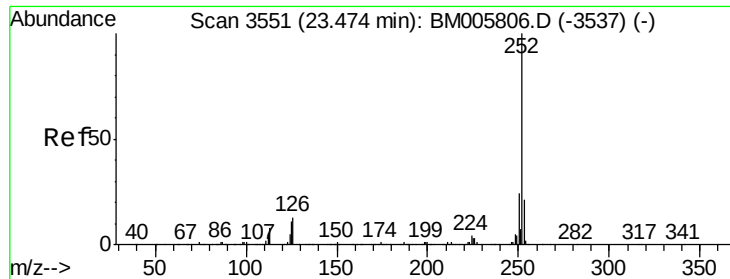
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#36
Benzo(k)fluoranthene
Concen: 3.61 ng/ul m
RT: 22.93 min Scan# 3458
Delta R.T. -0.01 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	10.4	8.1	12.1





#38

Benzo(a)pyrene

Concen: 7.18 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

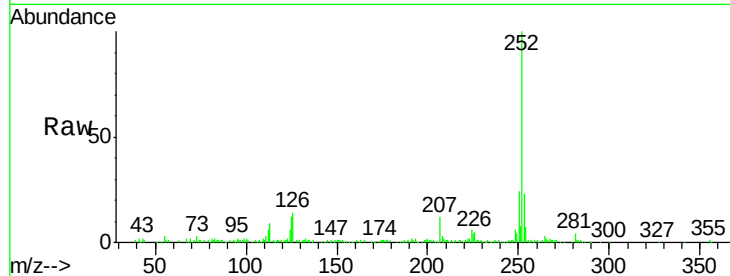
ClientSampled :

D9Y04

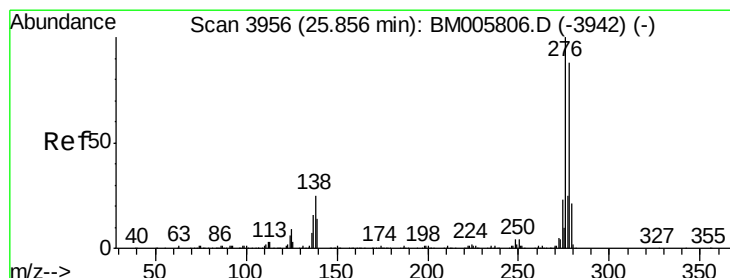
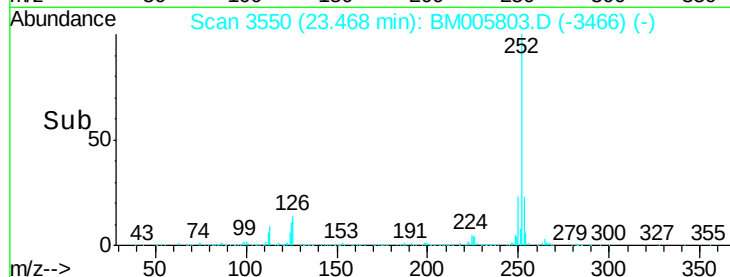
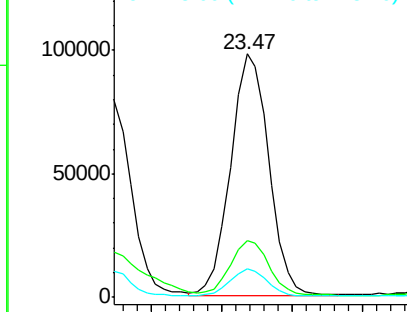
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.6	8.7	13.1

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#39

Indeno(1,2,3-cd)pyrene

Concen: 4.89 ng/ul

RT: 25.84 min Scan# 3954

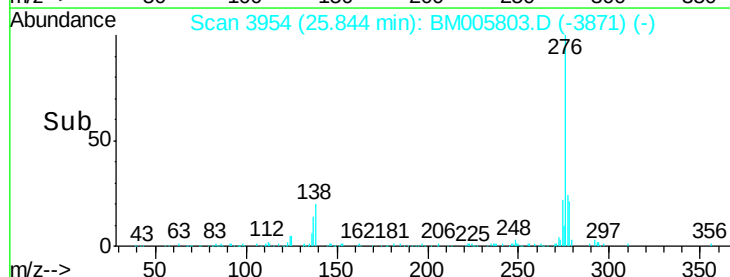
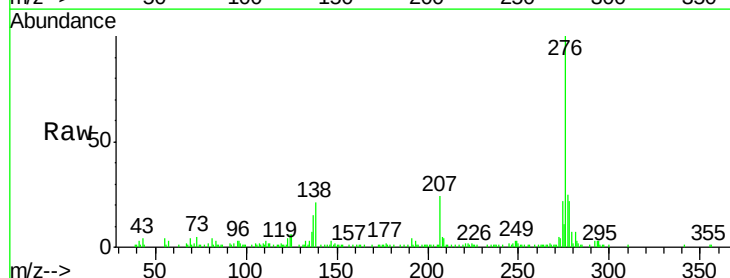
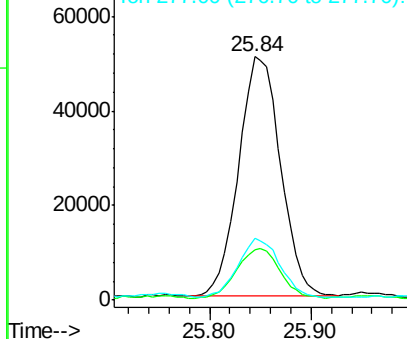
Delta R.T. -0.01 min

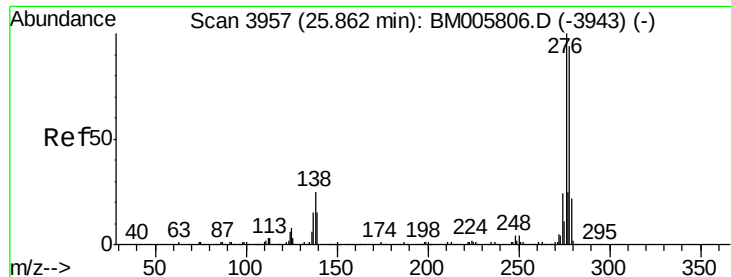
Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.6	20.4	30.6
277	25.4	20.6	30.8

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





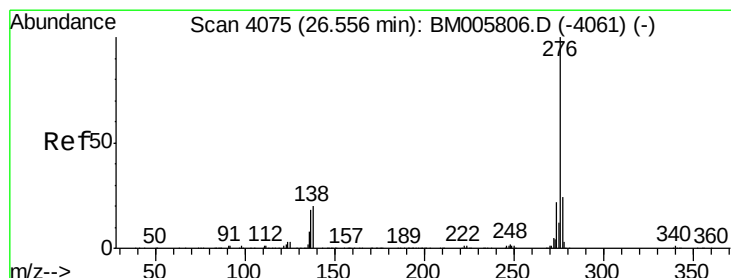
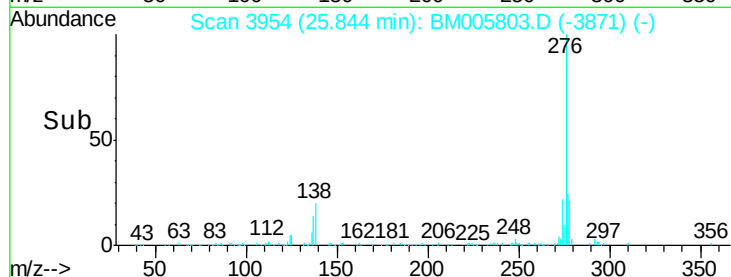
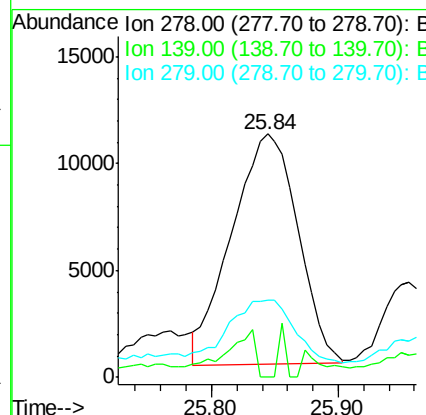
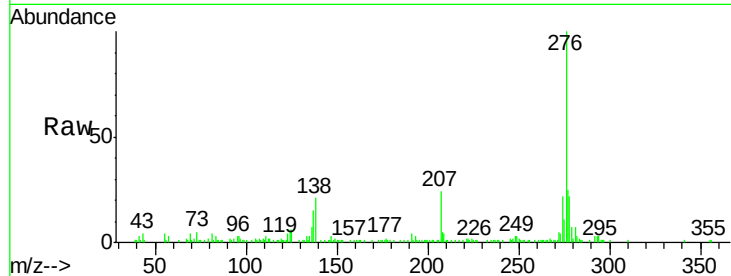
#40
Dibenzo(a,h)anthracene
Concen: 1.58 ng/ul
RT: 25.84 min Scan# 3954
Delta R.T. -0.01 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Instrument :
BNA_M
ClientSampleId :
D9Y04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	31.8	18.8	28.2#

Manual Integrations
APPROVED

sohil
6/15/2016 6:35:30 PM



#41
Benzo(g,h,i)perylene
Concen: 5.07 ng/ul
RT: 26.55 min Scan# 4074
Delta R.T. -0.01 min
Lab File: BM005803.D
Acq: 15 Jun 2016 02:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.6	25.0
277	24.4	18.9	28.3

