

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006056.D
 Acq On : 27 Jun 2016 01:11
 Operator : UM/SJ
 Sample : H3671-11 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5

Manual Integrations
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 6/27/2016 8:06:19 PM

Quant Time: Jun 27 06:16:27 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	329214	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1574542	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	927602	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2033979	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1535079	20.00	ng/ul	0.01
34) Perylene-d12	23.47	264	1364762	20.00	ng/ul	0.00

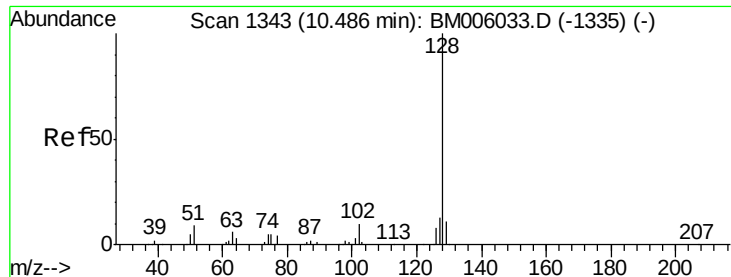
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4805	0.65	ng/uL	0.00
3) Phenol-d5	6.83	99	228846	6.61	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	161080	8.36	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	188965	7.83	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	118486	4.05	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	103471	8.63	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	107370	8.05	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	202087	7.90	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	110047	3.96	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	664418	8.37	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	850043	9.23	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	64599	3.81	ng/ul	0.01
21) Fluorene-d10	15.30	176	611011	9.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	27005	2.39	ng/ul	0.00
26) Anthracene-d10	17.16	188	921945	9.87	ng/ul	0.00
30) Pyrene-d10	19.46	212	912192	13.57	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	603593	9.80	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	96664	1.23	ng/ul	98
18) Acenaphthylene	14.03	152	128587	1.32	ng/ul	99
19) Acenaphthene	14.37	153	232005	3.76	ng/ul	98
22) Fluorene	15.36	166	234269	3.15	ng/ul	99
25) Phenanthrene	17.10	178	5242003	47.91	ng/ul	98
27) Anthracene	17.19	178	1157914	10.25	ng/ul	99
28) Fluoranthene	19.13	202	7768598	55.44	ng/ul	97
31) Pyrene	19.49	202	6855902	78.02	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2708983	29.71	ng/ul	98
33) Chrysene	21.29	228	2538301	30.47	ng/ul	98
35) Benzo(b)fluoranthene	22.82	252	3100648	39.10	ng/ul	98
36) Benzo(k)fluoranthene	22.85	252	1063750m	14.42	ng/ul	
38) Benzo(a)pyrene	23.38	252	2140198	28.15	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.70	276	1802112	19.88	ng/ul	97
40) Dibenzo(a,h)anthracene	25.70	278	376367m	4.99	ng/ul	
41) Benzo(g,h,i)perylene	26.38	276	1914049	24.42	ng/ul	99

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



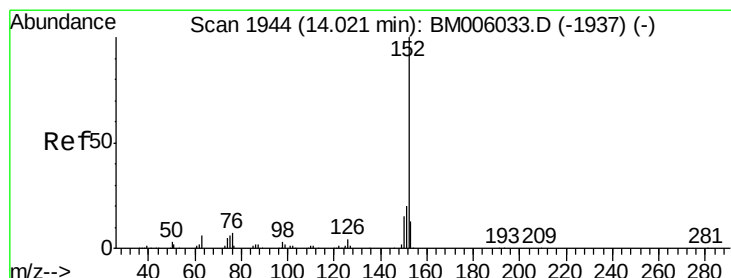
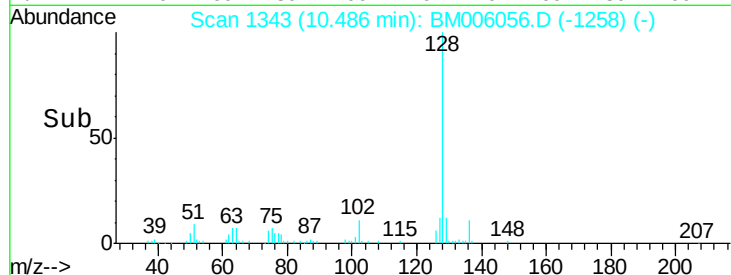
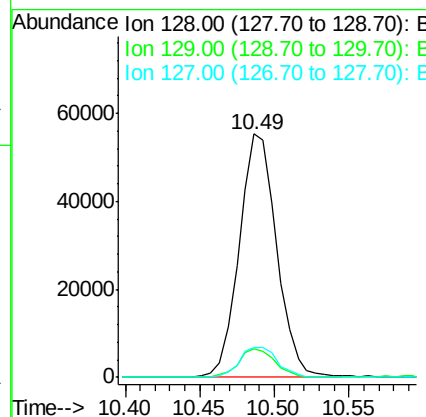
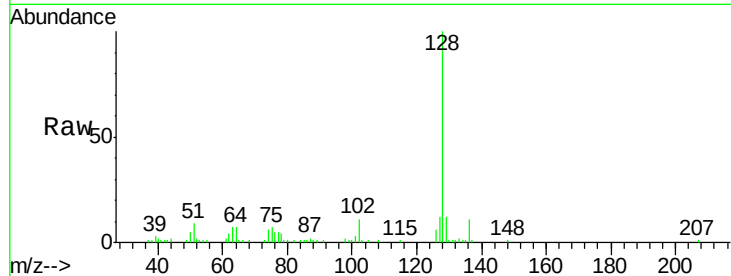
#11
Naphthalene
Concen: 1.23 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9YA5

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	96664		
129	11.8	8.6	13.0	
127	12.2	10.2	15.4	

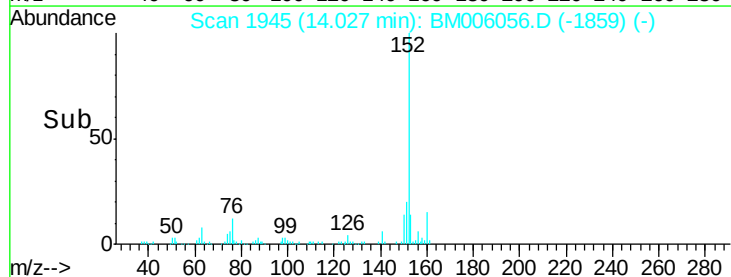
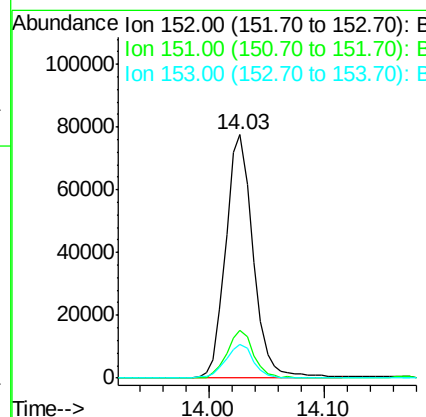
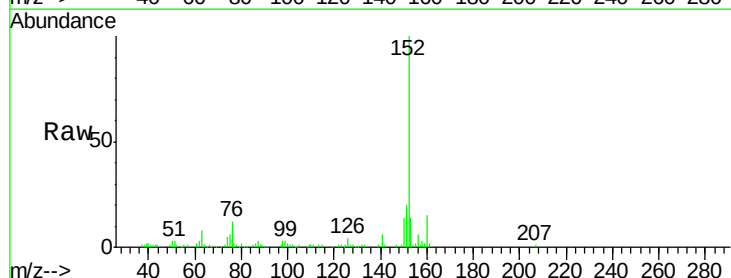
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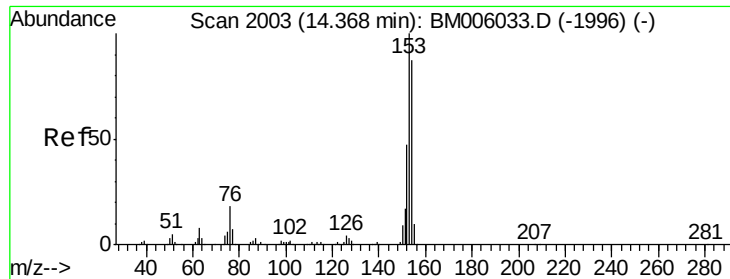
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#18
Acenaphthylene
Concen: 1.32 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128587		
151	19.6	15.5	23.3	
153	13.9	10.5	15.7	





#19

Acenaphthene

Concen: 3.76 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

Instrument :

BNA_M

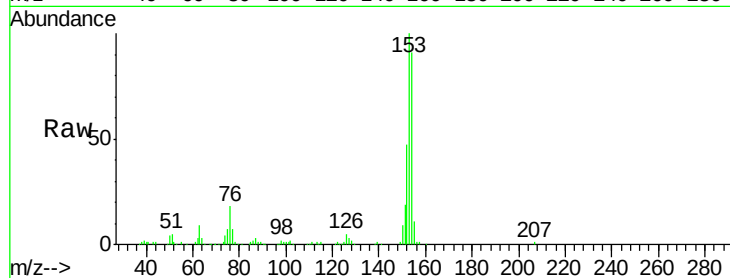
ClientSampleId :

D9YA5

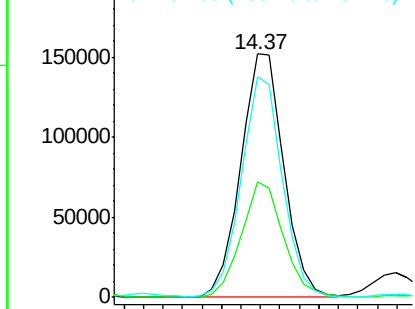
Tgt Ion:	153	Resp:	232005
Ion Ratio	Lower	Upper	
153	100		
152	47.4	38.6	57.8
154	90.6	70.7	106.1

Manual Integrations
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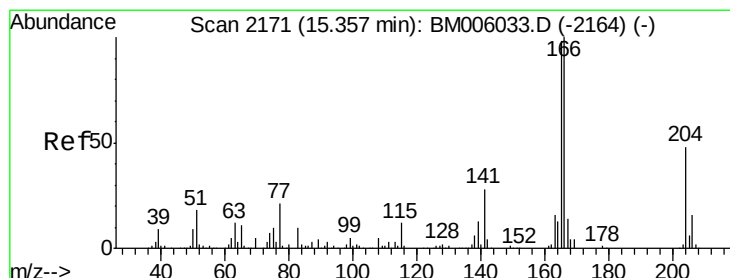
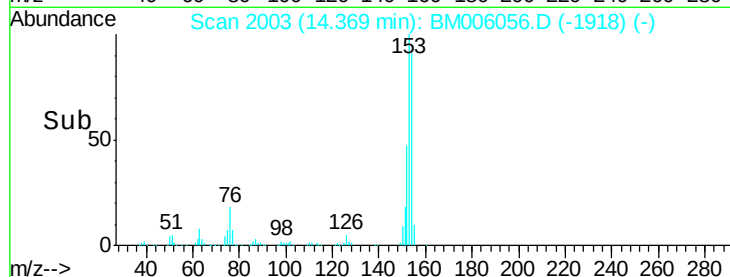
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.30 14.35 14.40



#22

Fluorene

Concen: 3.15 ng/ul

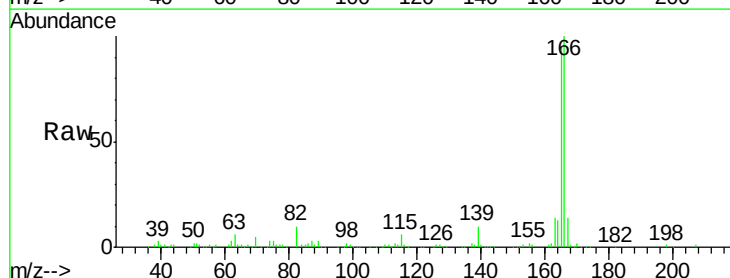
RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

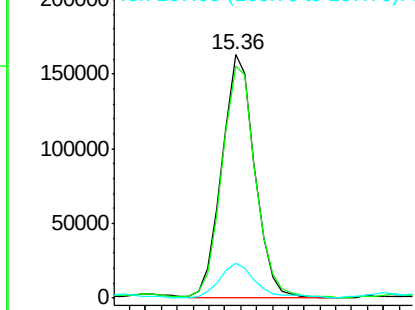
Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

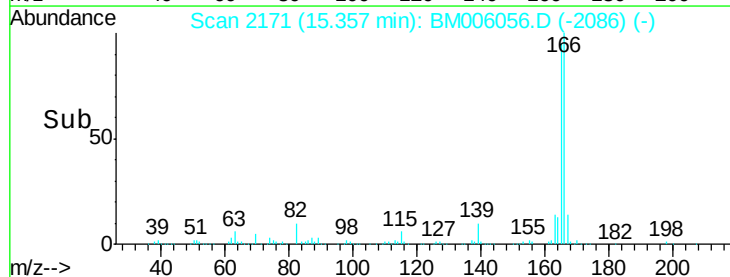
Tgt Ion:	166	Resp:	234269
Ion Ratio	Lower	Upper	
166	100		
165	95.5	76.8	115.2
167	14.3	10.8	16.2

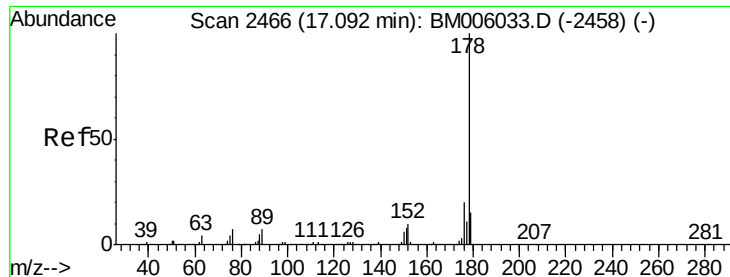


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 15.30 15.35 15.40 15.45





#25

Phenanthrene

Concen: 47.91 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9YA5

Tgt Ion:178 Resp: 5242003

Ion Ratio Lower Upper

178 100

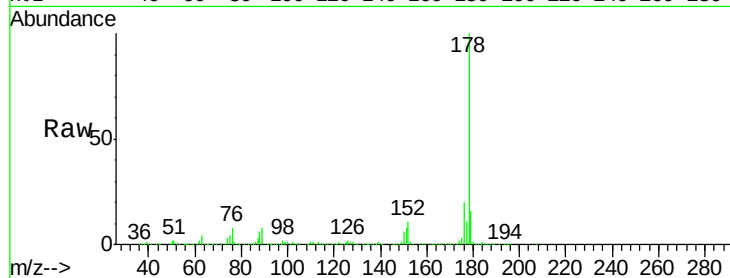
179 15.7 12.1 18.1

176 20.0 15.4 23.0

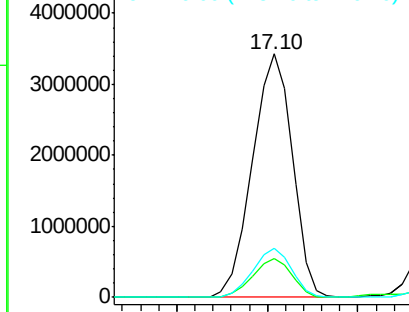
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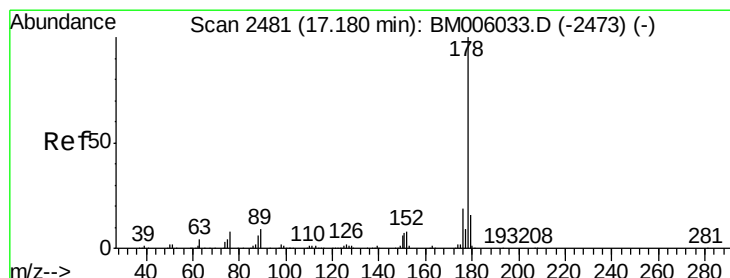
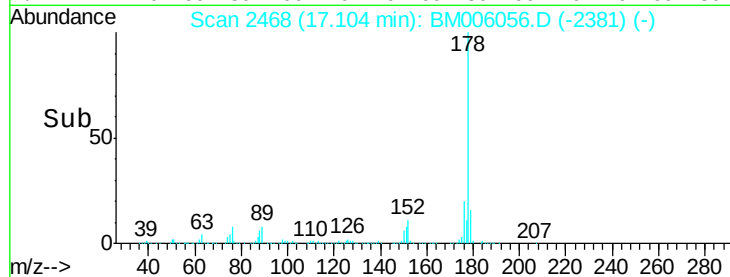
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#27

Anthracene

Concen: 10.25 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

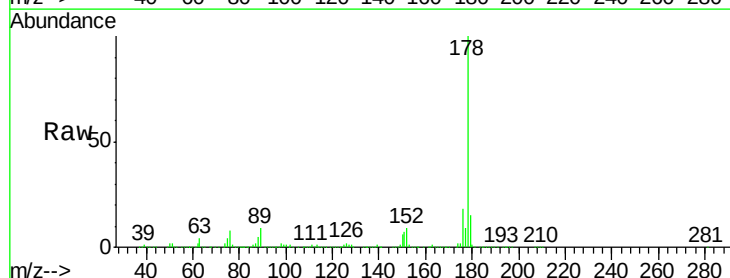
Tgt Ion:178 Resp: 1157914

Ion Ratio Lower Upper

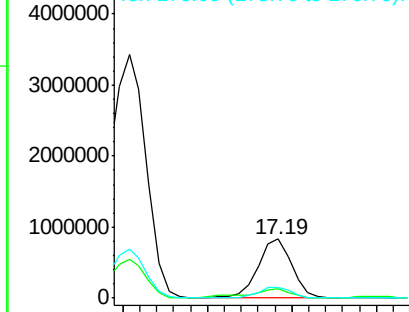
178 100

179 14.9 12.2 18.4

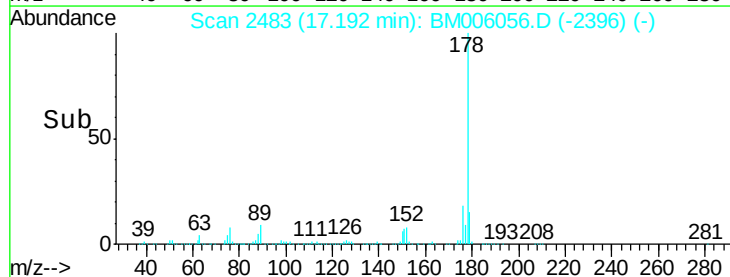
176 18.4 14.9 22.3

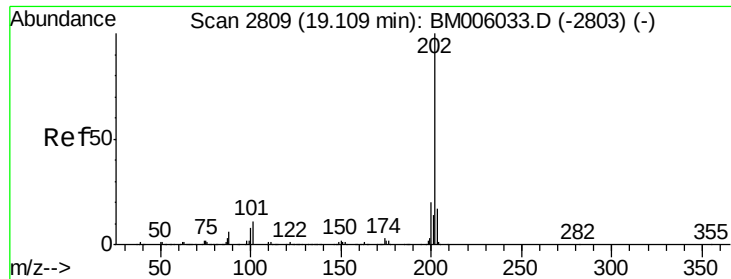


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





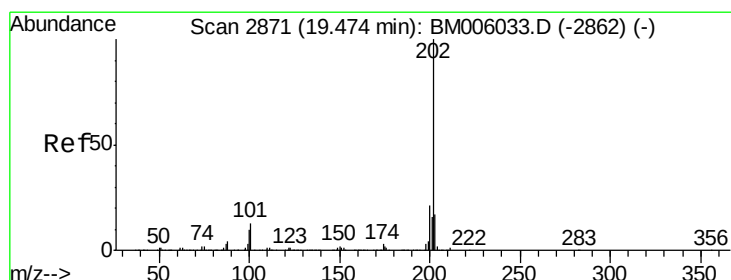
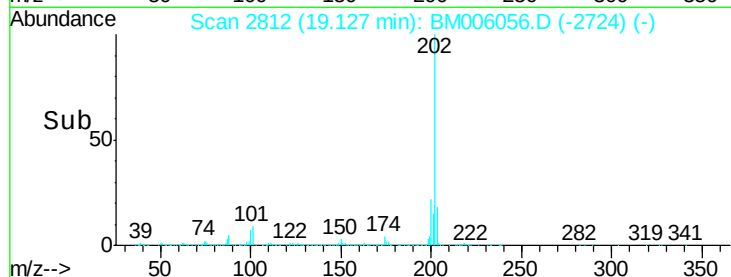
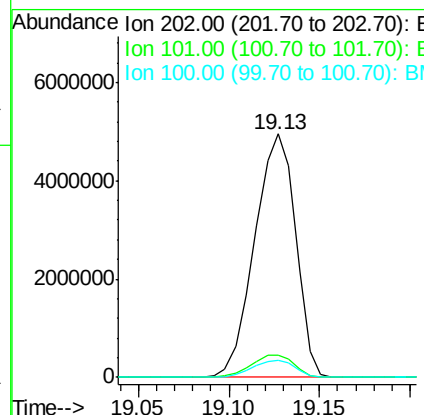
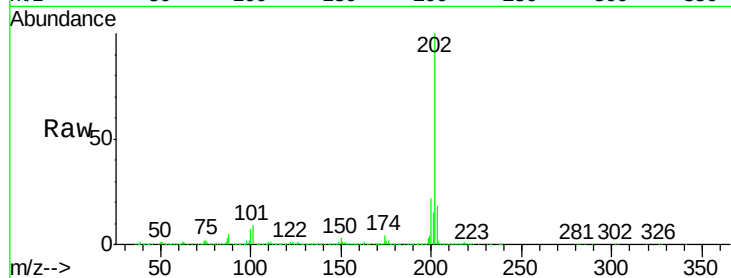
#28
Fluoranthene
Concen: 55.44 ng/ul
RT: 19.13 min Scan# 2812
Delta R.T. 0.02 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9YA5

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.2	12.4
100	7.1	6.3	9.5

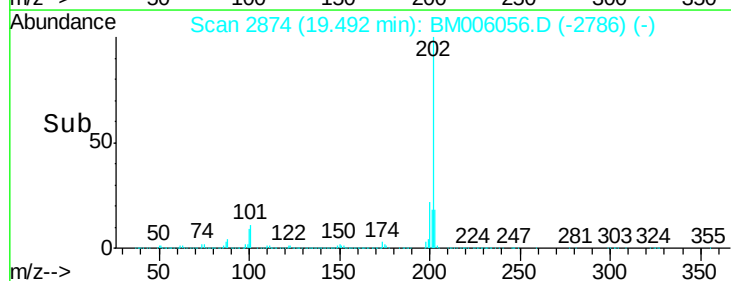
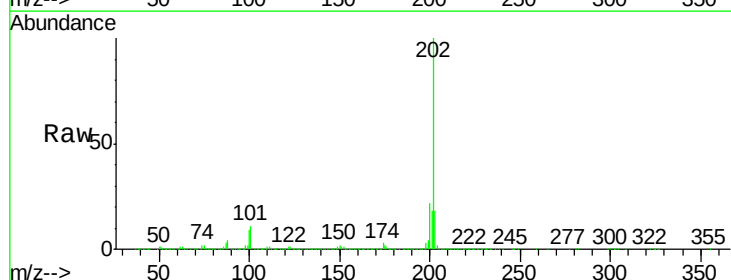
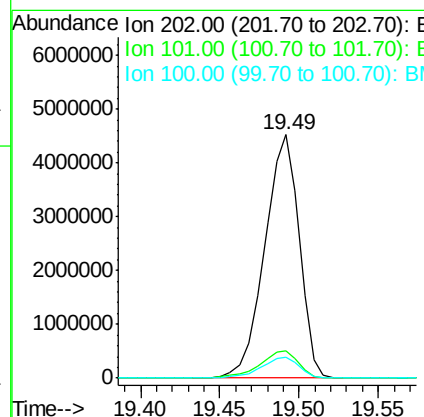
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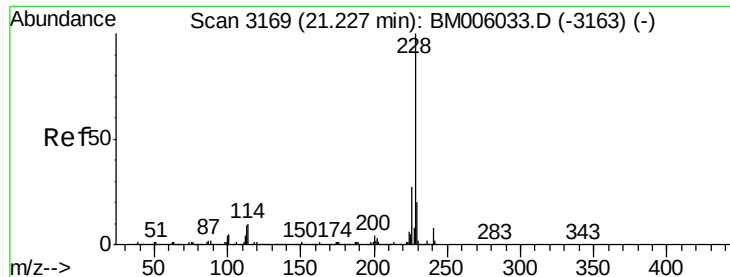
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#31
Pyrene
Concen: 78.02 ng/ul
RT: 19.49 min Scan# 2874
Delta R.T. 0.02 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.6
100	8.8	8.2	12.2





#32

Benzo(a)anthracene

Concen: 29.71 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9YA5

Tgt Ion:228 Resp: 2708983

Ion Ratio Lower Upper

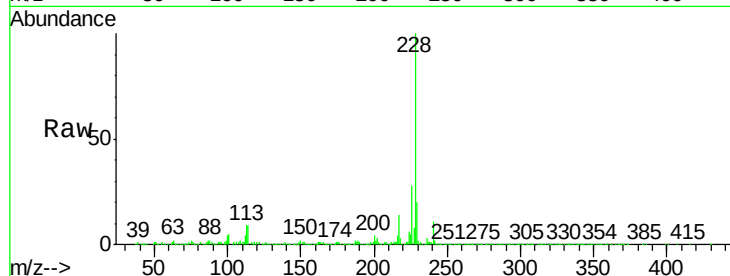
228 100

229 20.1 15.8 23.6

226 28.0 21.5 32.3

Manual Integrations
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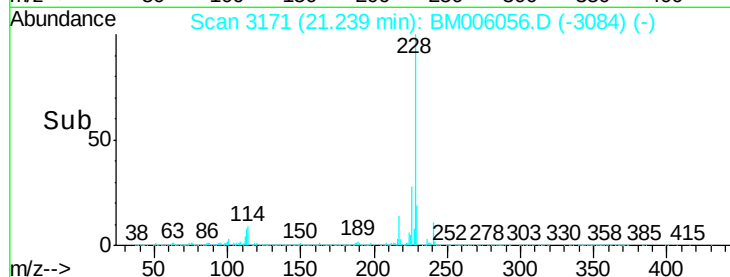
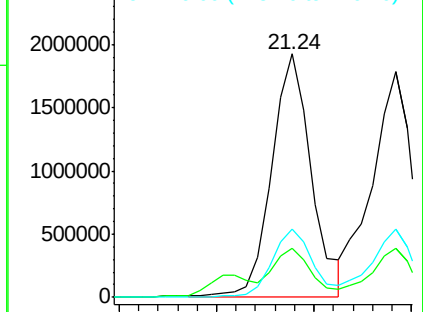


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 30.47 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM006056.D

Acq: 27 Jun 2016 01:11

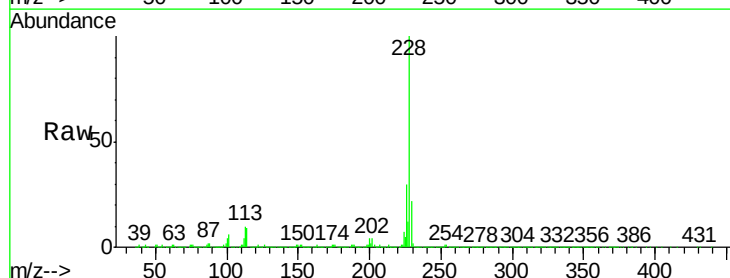
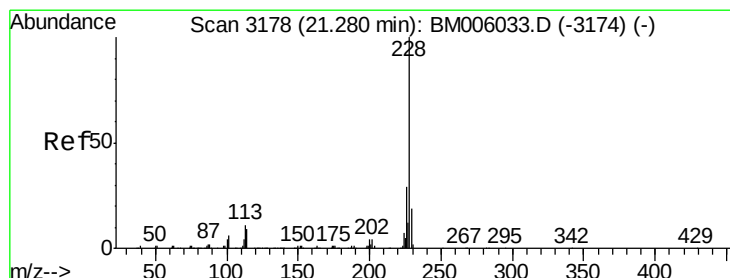
Tgt Ion:228 Resp: 2538301

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.6 15.4 23.2

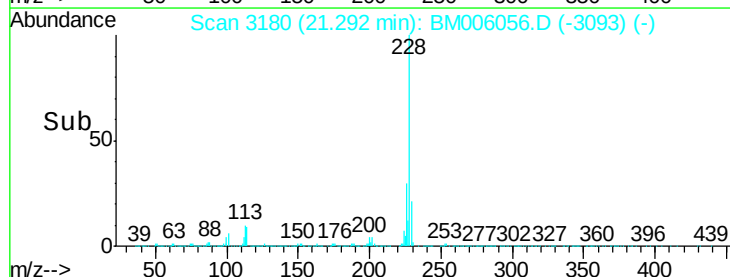
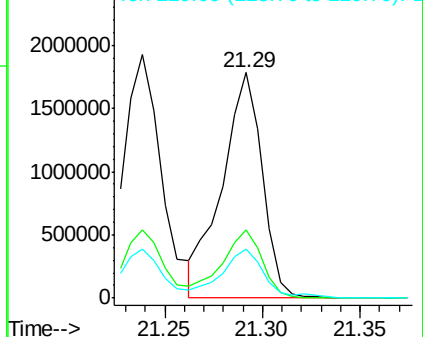


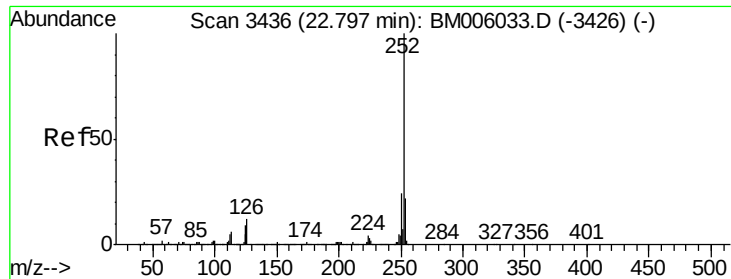
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





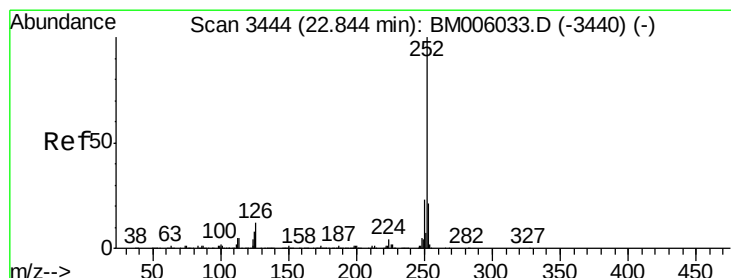
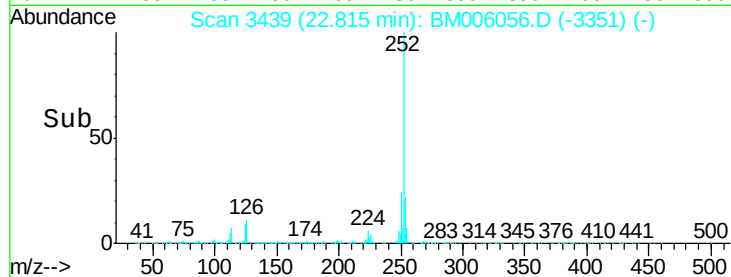
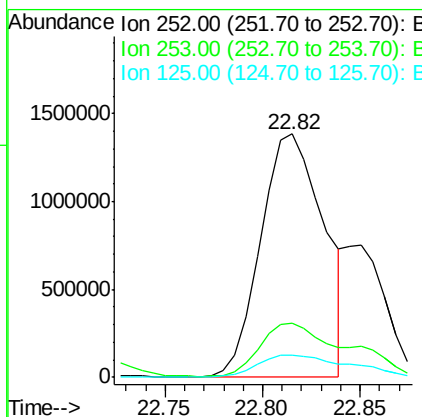
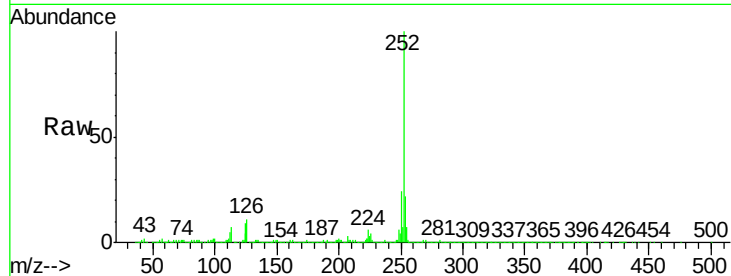
#35
Benzo(b)fluoranthene
Concen: 39.10 ng/ul
RT: 22.82 min Scan# 3439
Delta R.T. 0.02 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9YA5

Tgt Ion:252 Resp: 3100648
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 9.1 6.8 10.2

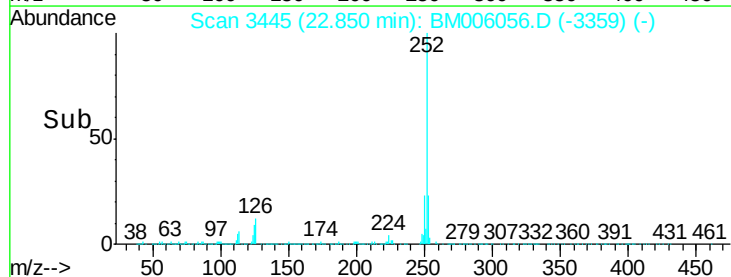
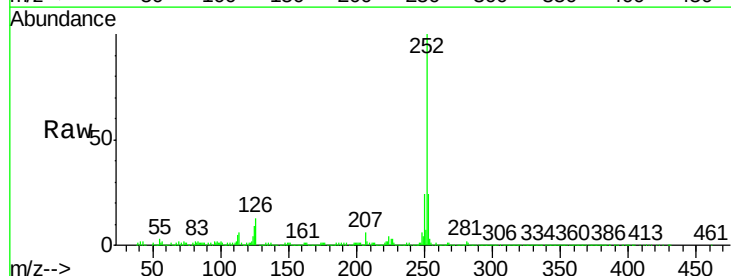
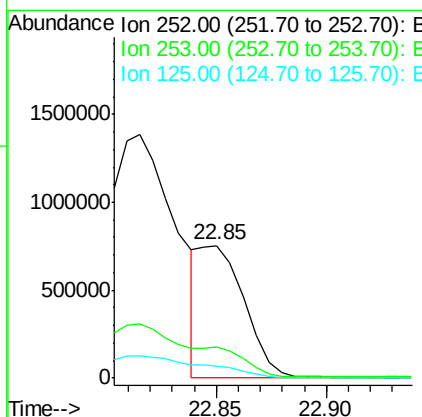
Manual Integrations
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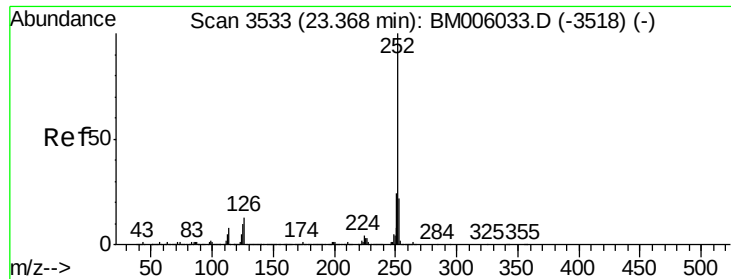
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#36
Benzo(k)fluoranthene
Concen: 14.42 ng/ul m
RT: 22.85 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Tgt Ion:252 Resp: 1063750
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 9.4 7.0 10.4





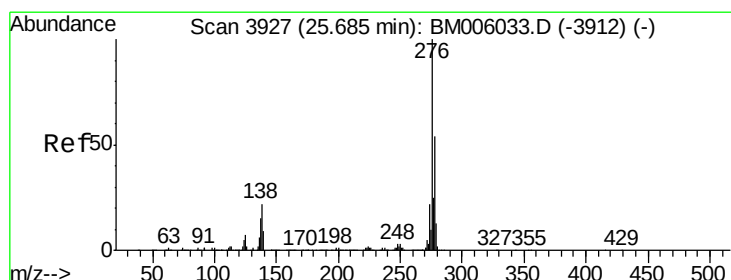
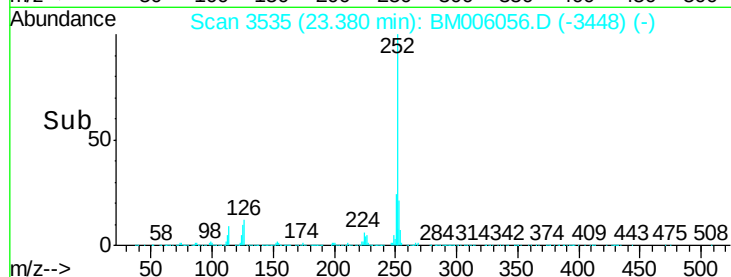
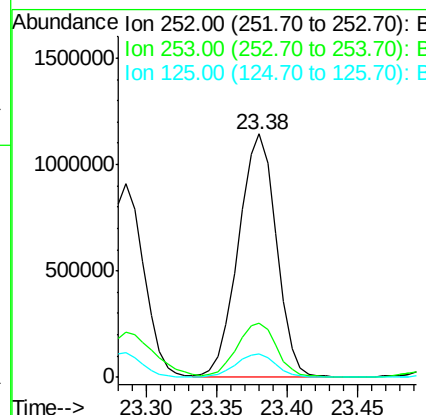
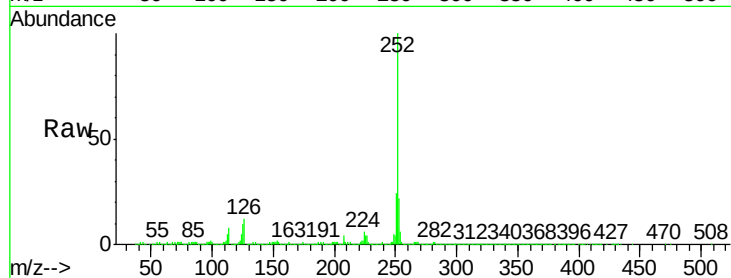
#38
Benzo(a)pyrene
Concen: 28.15 ng/ul
RT: 23.38 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9YA5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	9.6	7.8	11.6

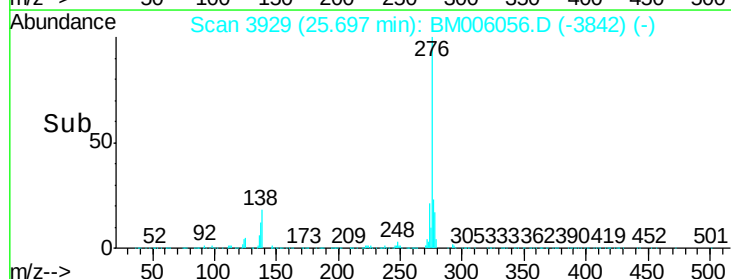
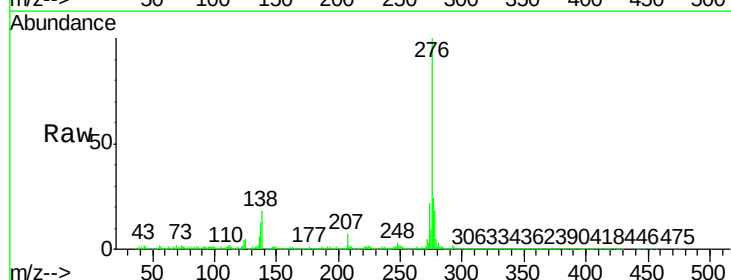
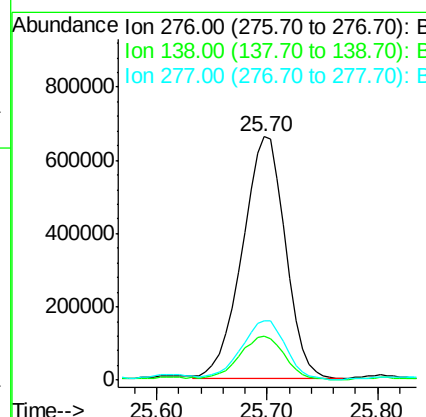
Manual Integrations
APPROVED

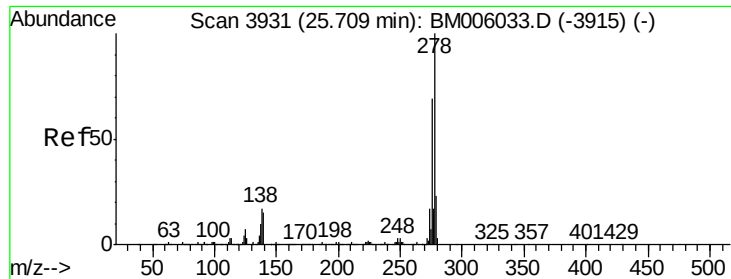
sohil
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#39
Indeno(1,2,3-cd)pyrene
Concen: 19.88 ng/ul
RT: 25.70 min Scan# 3929
Delta R.T. 0.01 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.6	25.0
277	24.1	19.6	29.4





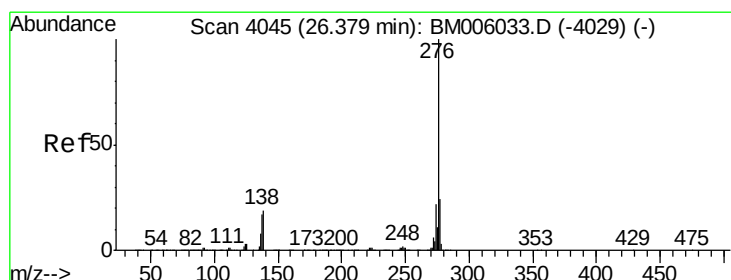
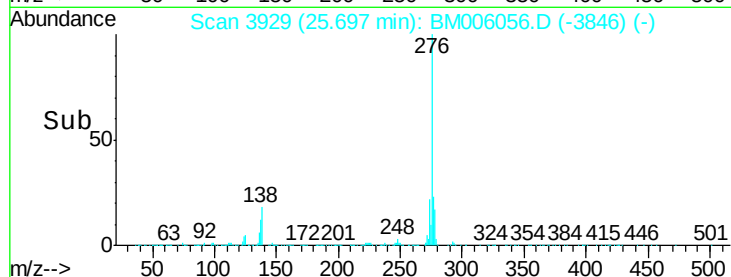
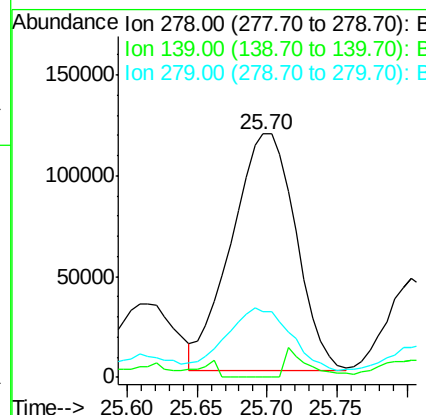
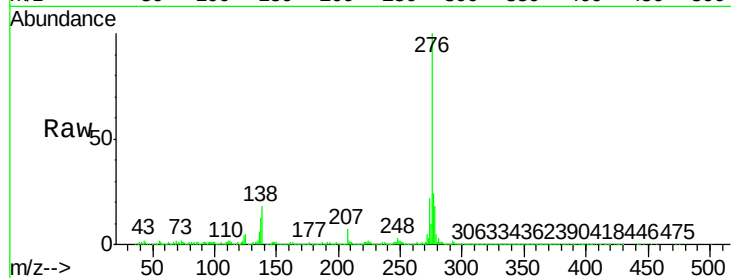
#40
Dibenzo(a,h)anthracene
Concen: 4.99 ng/ul m
RT: 25.70 min Scan# 3929
Delta R.T. -0.01 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9YA5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.4	17.2#
279	27.1	18.8	28.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:06:19 PM



#41
Benzo(g,h,i)perylene
Concen: 24.42 ng/ul
RT: 26.38 min Scan# 4045
Delta R.T. 0.00 min
Lab File: BM006056.D
Acq: 27 Jun 2016 01:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.9	23.9
277	24.1	19.2	28.8

