

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011660.D
 Acq On : 21 Sep 2017 19:01
 Operator : SJ/JU
 Sample : I5283-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3A8

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:19:39 PM

Quant Time: Sep 22 15:02:52 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 03:47:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	320522	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1481588	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	837225	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1849085	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2019905	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1683024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1140	0.16	ng/uL	0.01
5) Phenol-d5	7.12	99	38241	1.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	106979	5.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	49620	2.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	39955	1.66	ng/ul	0.00
19) Nitrobenzene-d5	9.13	128	49427	4.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	2767	0.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.39	165	23177	0.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	383	0.01	ng/ul	-0.03
44) Dimethylphthalate-d6	13.99	166	38523	0.54	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	419486	4.90	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.58	176	348175	5.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.43	188	516948	5.68	ng/ul	0.00
79) Pyrene-d10	19.72	212	622888	6.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	469314	5.85	ng/ul	0.00

Target Compounds

					Ovalue	
50) Acenaphthene	14.66	153	58443	1.004	ng/ul	95
59) Fluorene	15.64	166	78002	1.143	ng/ul	100
70) Phenanthrene	17.37	178	1495751	14.512	ng/ul	99
72) Anthracene	17.46	178	272934	2.581	ng/ul	98
77) Fluoranthene	19.38	202	2446286	23.076	ng/ul#	90
80) Pyrene	19.74	202	2360511	20.030	ng/ul#	89
83) Benzo(a)anthracene	21.48	228	1221277	10.981	ng/ul	98
85) Chrysene	21.53	228	1094062	10.851	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	1224319	12.092	ng/ul#	94
89) Benzo(k)fluoranthene	23.19	252	383060m	3.939	ng/ul	
91) Benzo(a)pyrene	23.76	252	776499	8.125	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	26.29	276	409103	3.891	ng/ul#	89
93) Dibenzo(a,h)anthracene	26.29	278	116167m	1.303	ng/ul	
94) Benzo(g,h,i)perylene	27.04	276	364156	4.277	ng/ul#	87

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

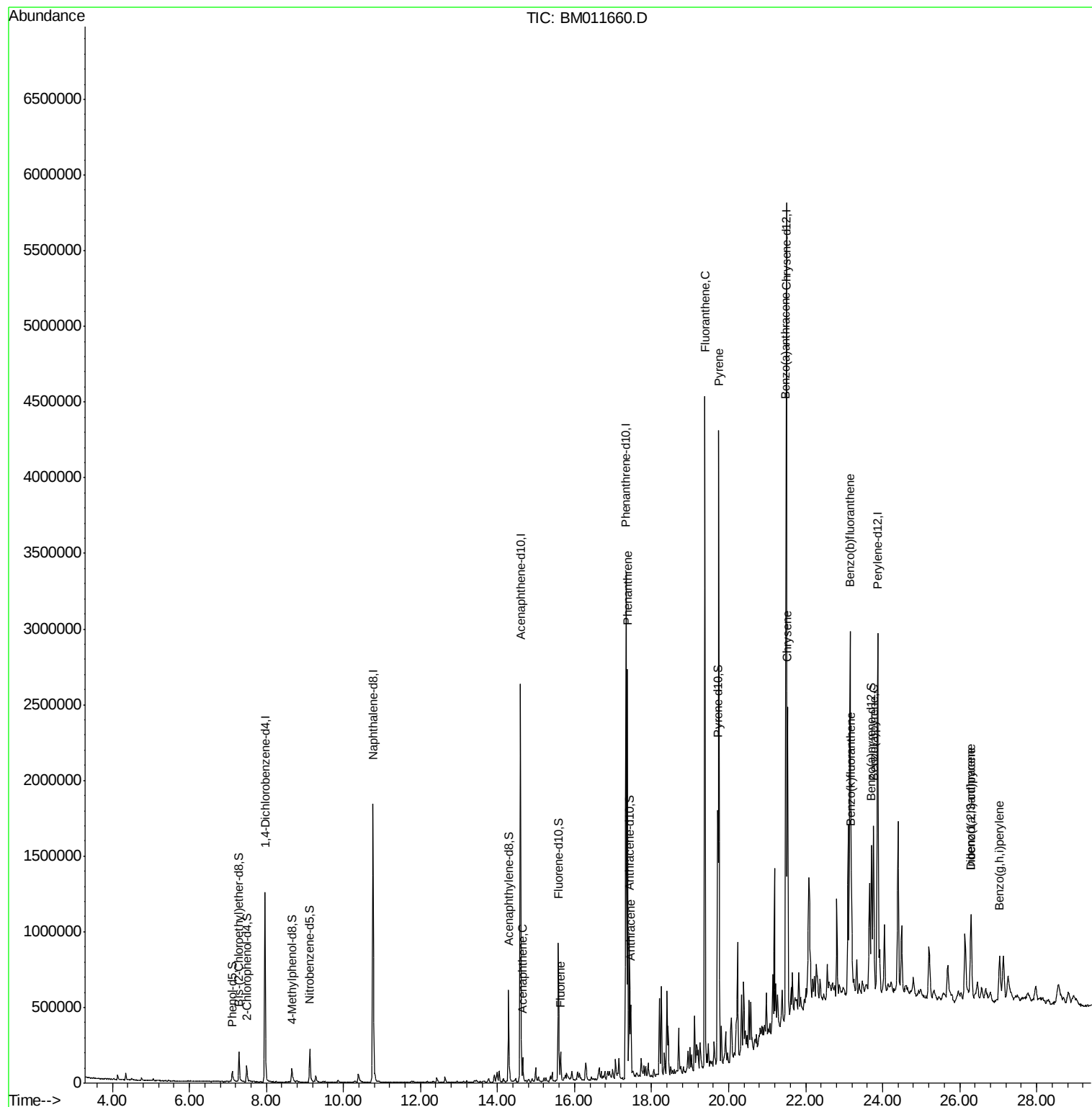
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011660.D
Acq On : 21 Sep 2017 19:01
Operator : SJ/JU
Sample : I5283-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

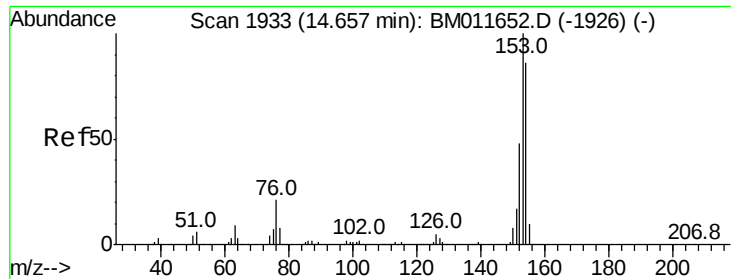
Instrument :
BNA_M
ClientSampleId :
CB3A8

Manual Integrations
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Quant Time: Sep 22 15:02:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 03:47:29 2017
Response via : Initial Calibration





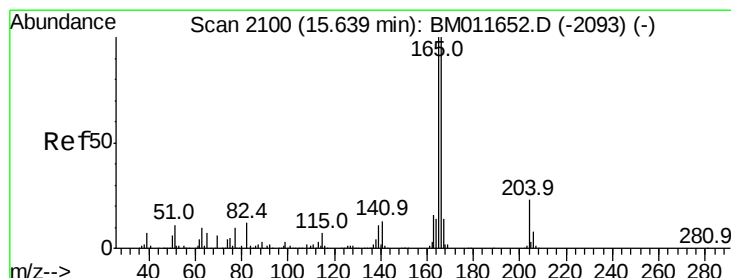
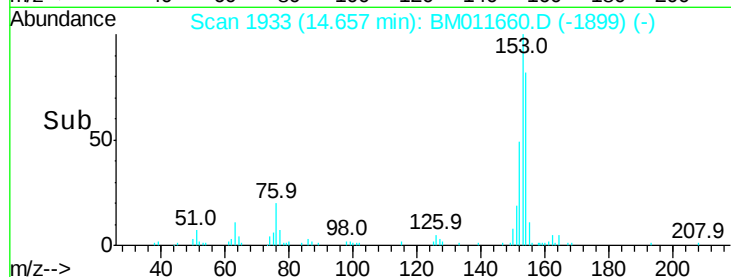
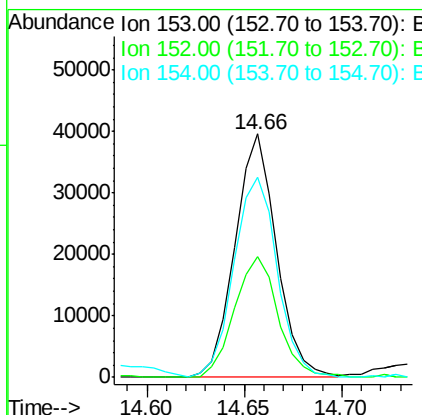
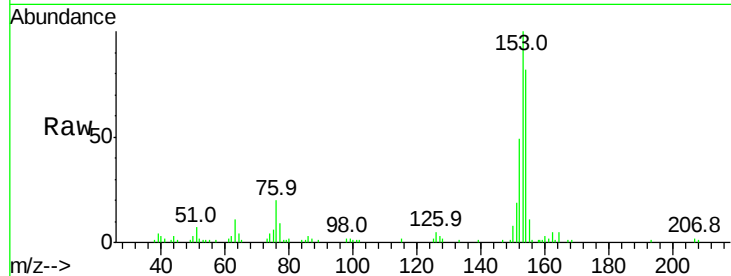
#50
Acenaphthene
Concen: 1.004 ng/ul
RT: 14.66 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Instrument :
BNA_M
ClientSampled :
CB3A8

Tot Ion	Ratio	Lower	Upper
153	100		
152	49.5	37.9	56.9
154	82.0	69.8	104.6

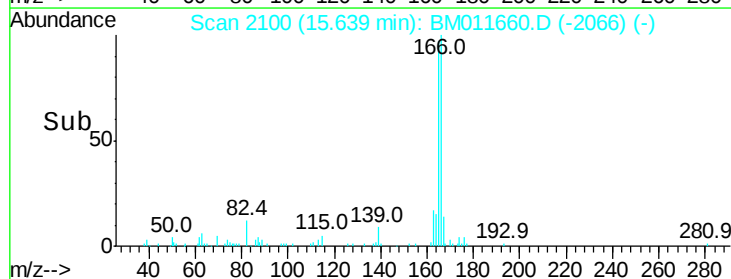
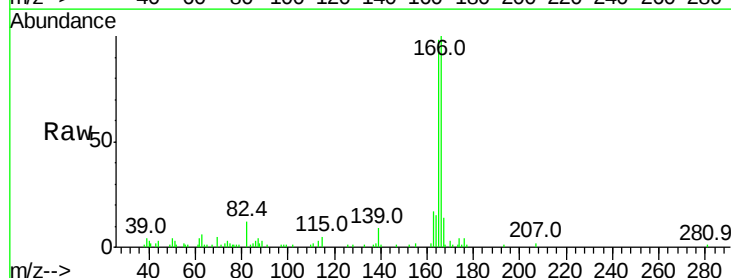
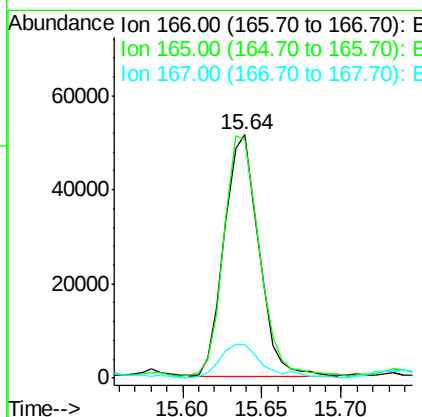
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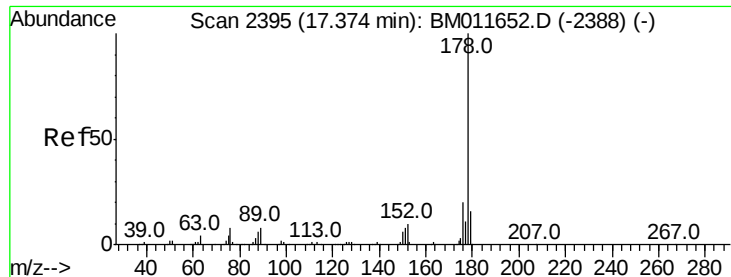
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#59
Fluorene
Concen: 1.143 ng/ul
RT: 15.64 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.4	117.6
167	14.1	11.1	16.7





#70

Phenanthrene

Concen: 14.512 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampled :

CB3A8

Tot Ion:178 Resp: 1495751

Ion Ratio Lower Upper

178 100

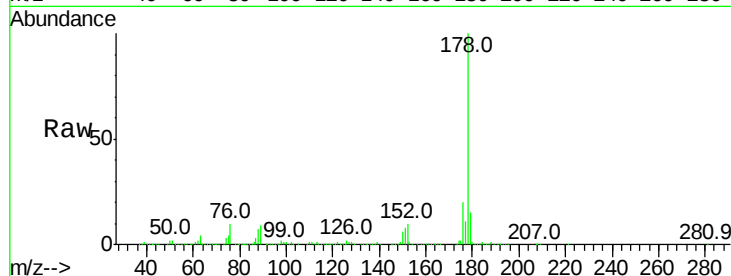
179 15.2 12.3 18.5

176 19.7 15.4 23.0

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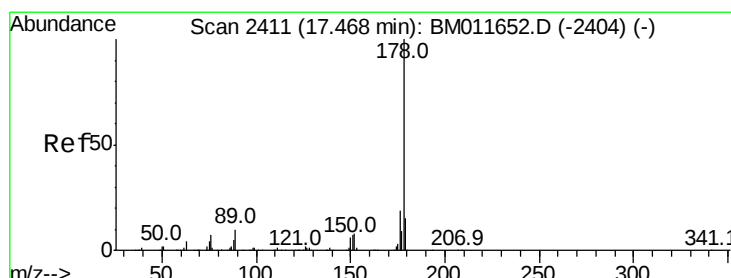
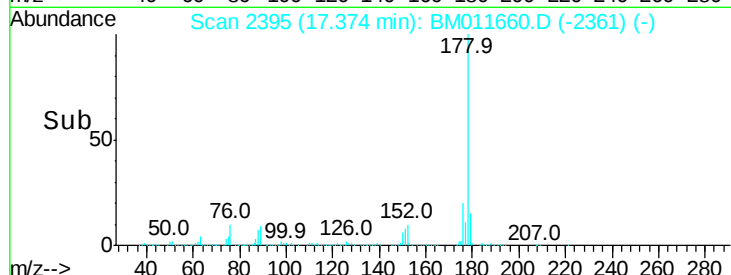
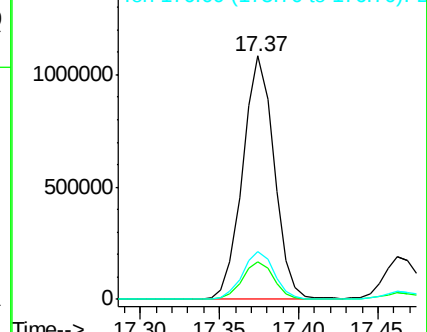
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 2.581 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

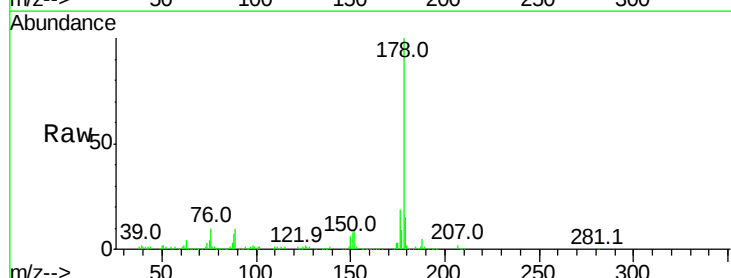
Tgt Ion:178 Resp: 272934

Ion Ratio Lower Upper

178 100

179 15.3 13.4 20.2

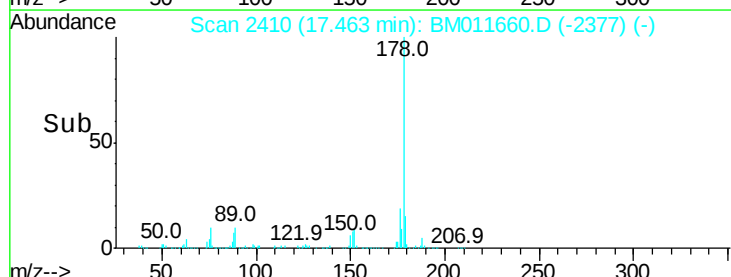
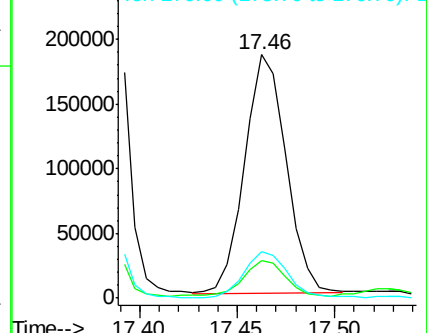
176 19.1 15.4 23.0

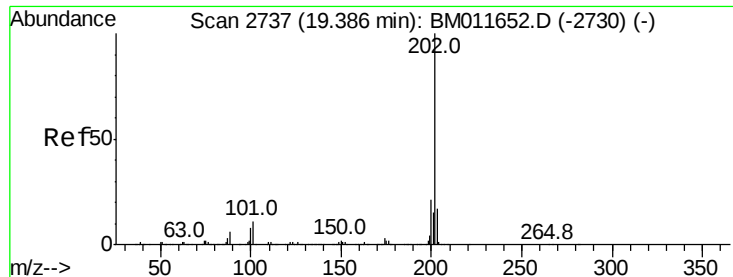


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





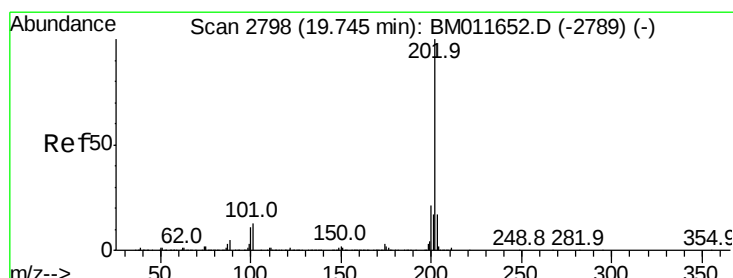
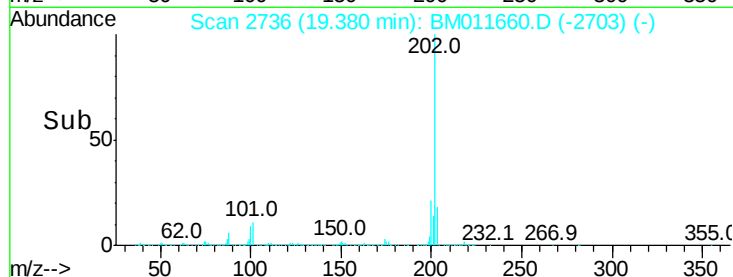
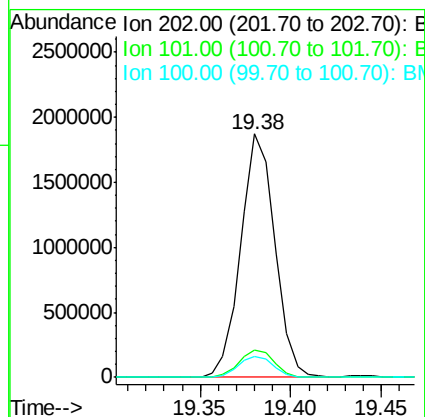
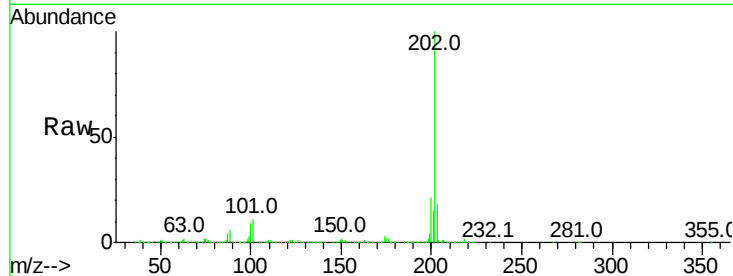
#77
 Fluoranthene
 Concen: 23.076 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. -0.01 min
 Lab File: BM011660.D
 Acq: 21 Sep 2017 19:01

Instrument :
 BNA_M
 ClientSampled :
 CB3A8

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	6.1	9.1#
100	8.8	4.6	7.0#

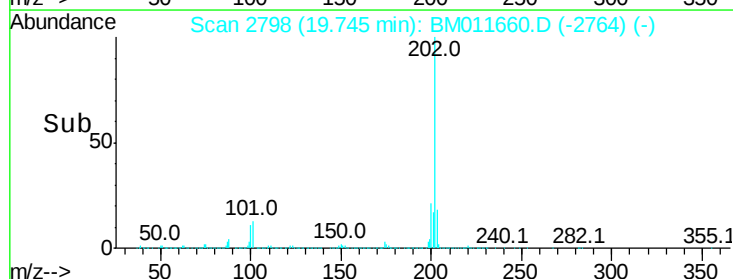
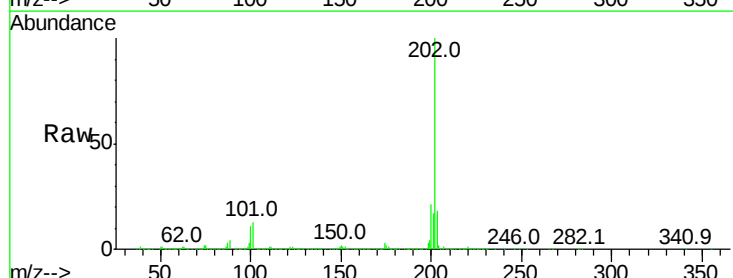
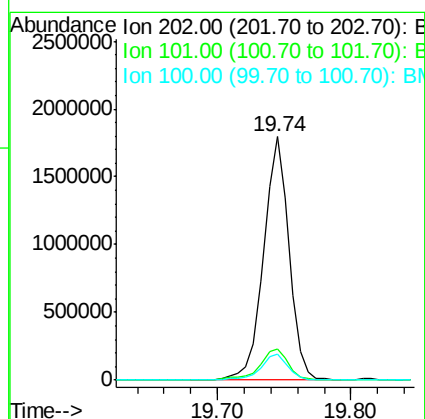
Manual Integrations
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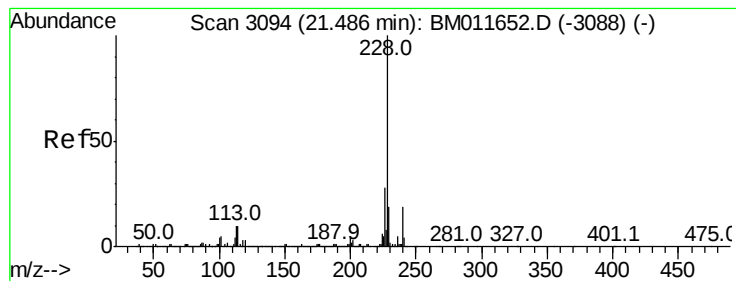
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#80
 Pyrene
 Concen: 20.030 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011660.D
 Acq: 21 Sep 2017 19:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	6.9	10.3#
100	10.6	5.6	8.4#





#83

Benzo(a)anthracene

Concen: 10.981 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

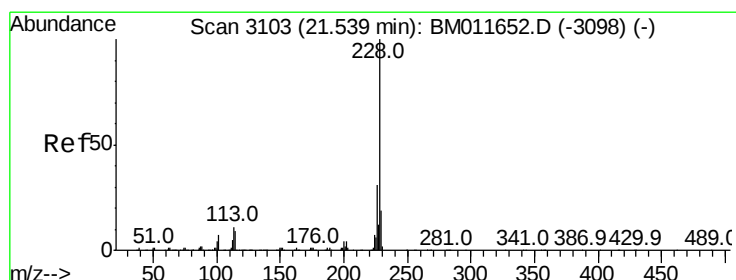
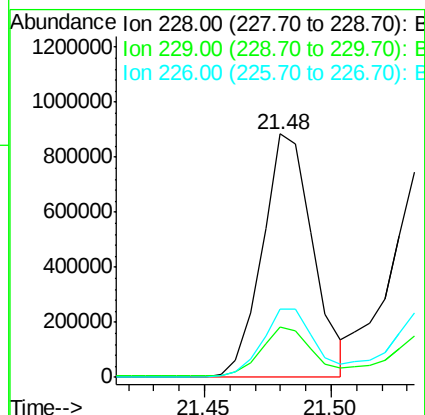
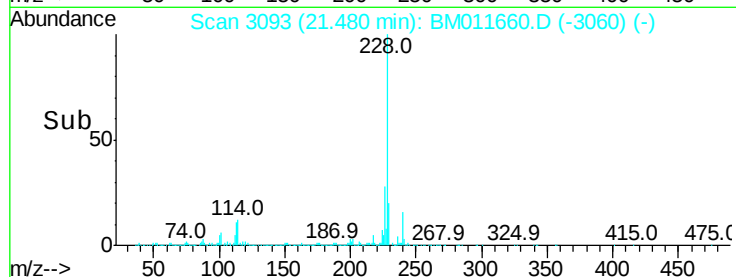
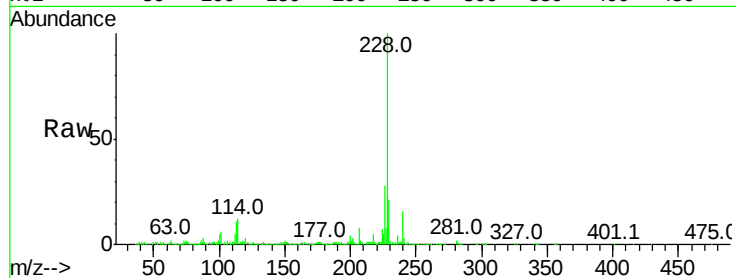
ClientSampled :

CB3A8

Tot Ion:	228	Resp:	1221277
Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.0	24.0
226	28.1	21.8	32.8

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#85

Chrysene

Concen: 10.851 ng/ul

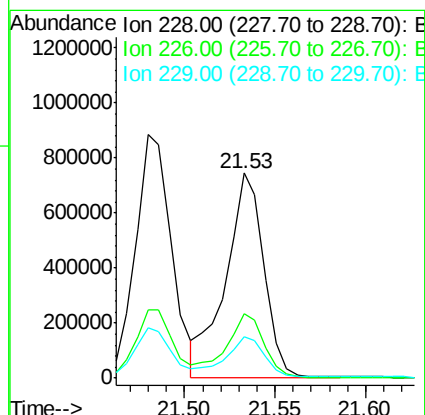
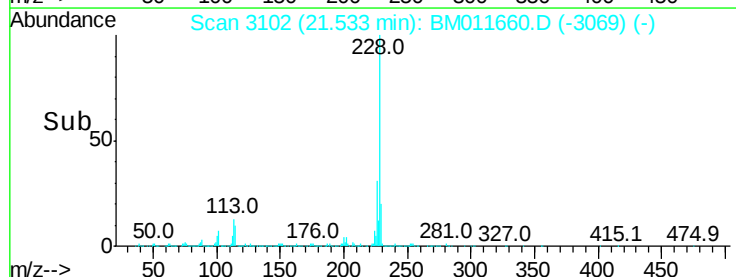
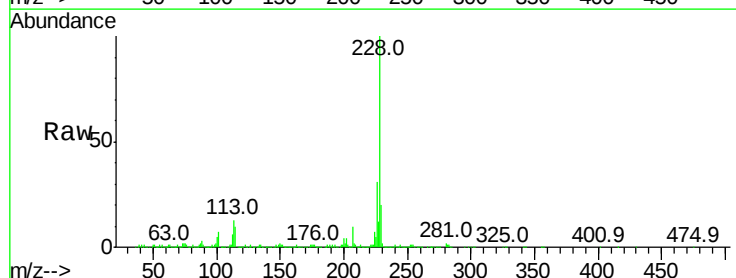
RT: 21.53 min Scan# 3102

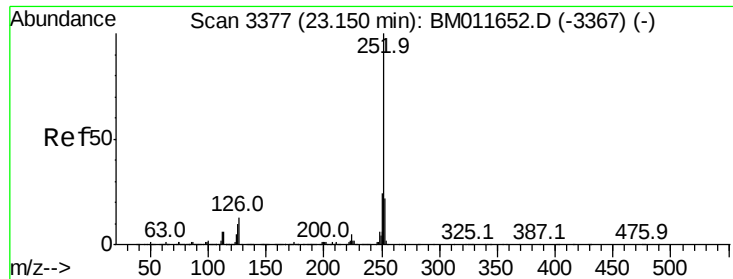
Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Tgt Ion:	228	Resp:	1094062
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	19.9	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 12.092 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampleId :

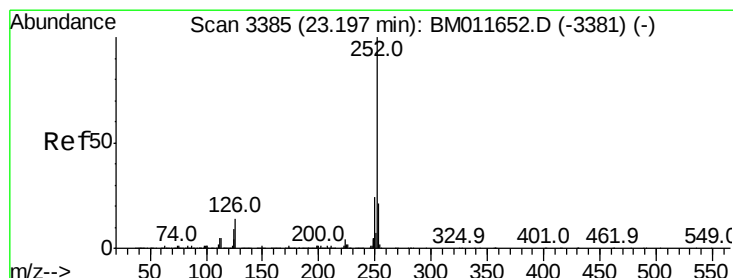
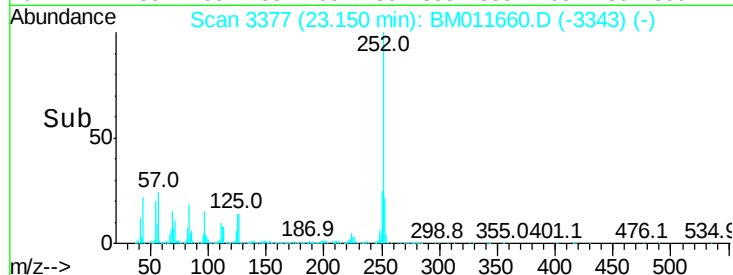
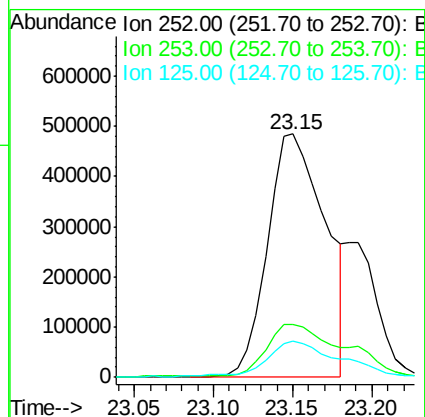
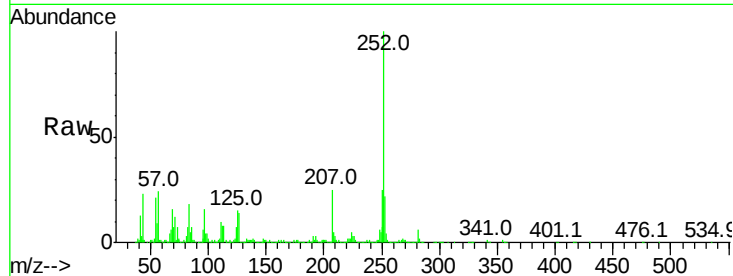
CB3A8

Tot Ion:	252	Resp:	1224319
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	14.8	4.9	7.3#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 3.939 ng/ul m

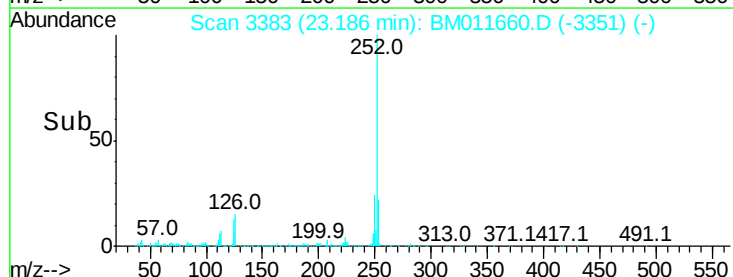
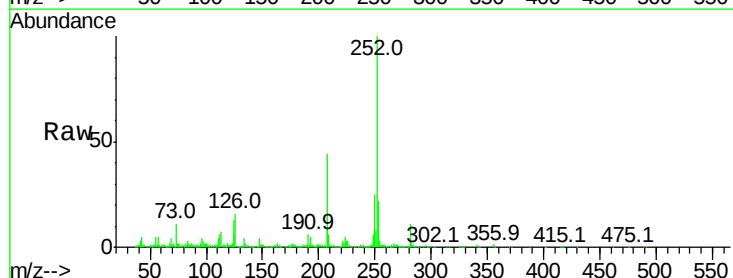
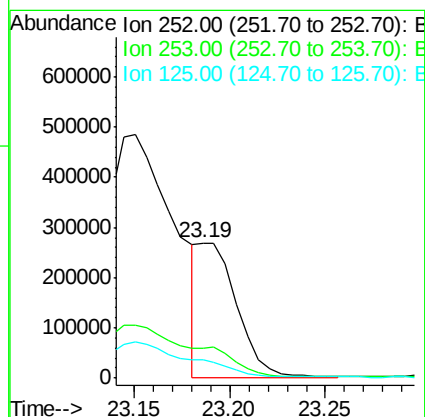
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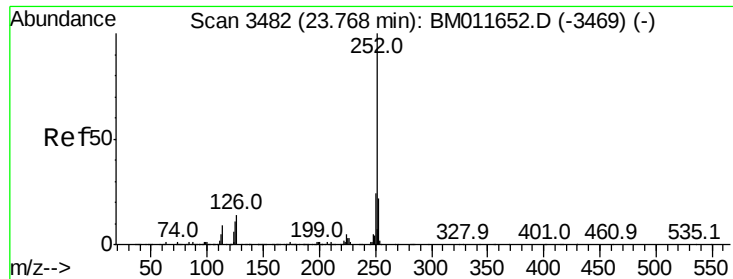
Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Tgt Ion:	252	Resp:	383060
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.4	5.4	8.0#





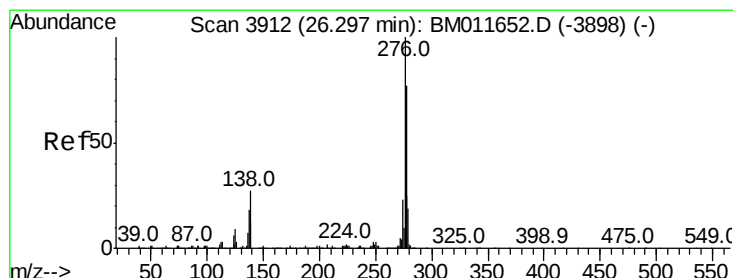
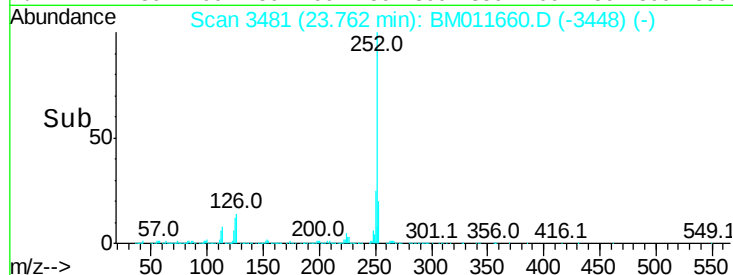
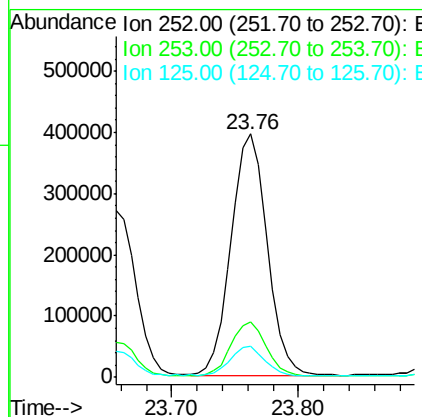
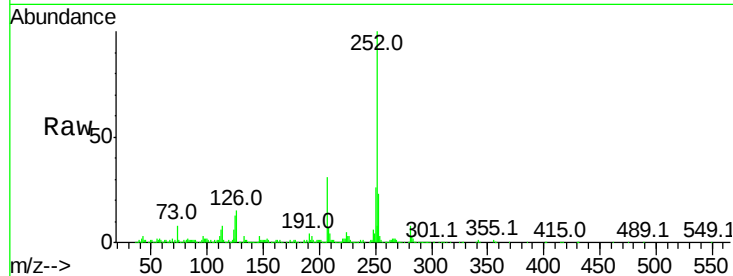
#91
Benzo(a)pyrene
Concen: 8.125 ng/ul
RT: 23.76 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Instrument :
BNA_M
ClientSampled :
CB3A8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.9	5.8	8.6

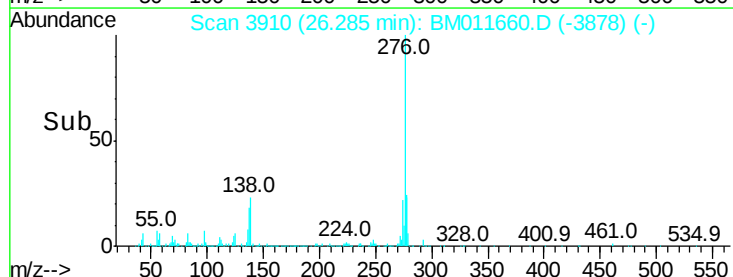
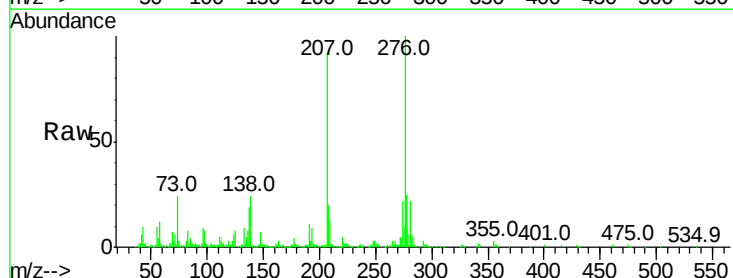
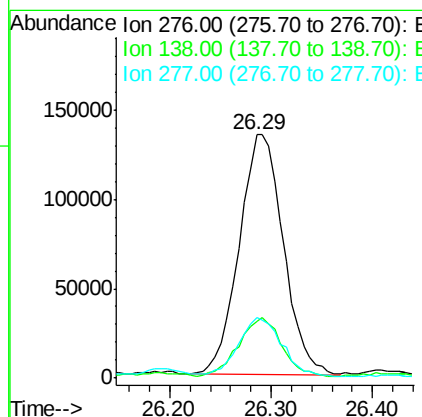
Manual Integrations
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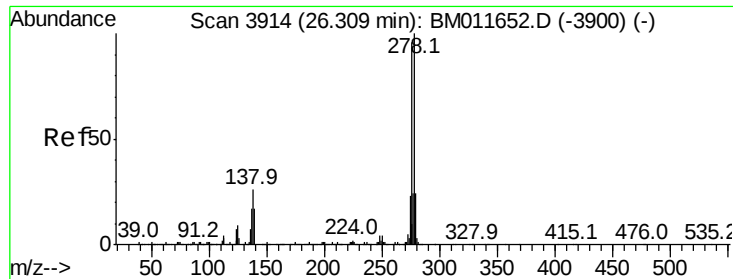
Sohil
9/22/2017 4:19:39 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 3.891 ng/ul
RT: 26.29 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	10.9	16.3
277	24.9	18.9	28.3





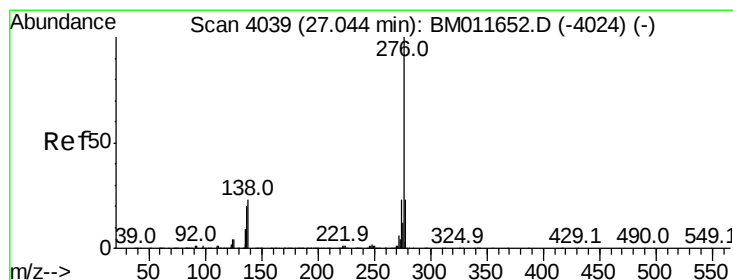
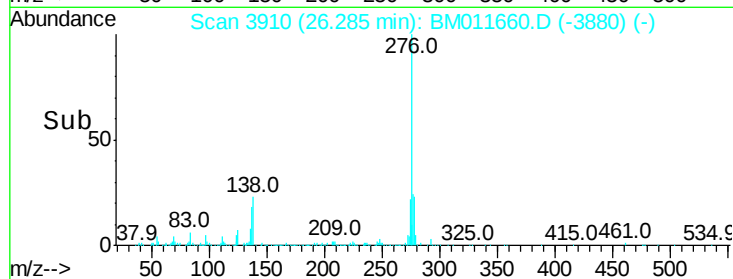
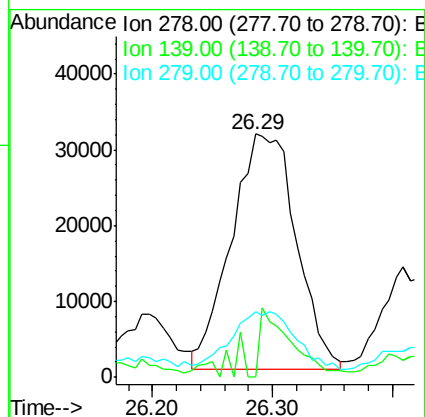
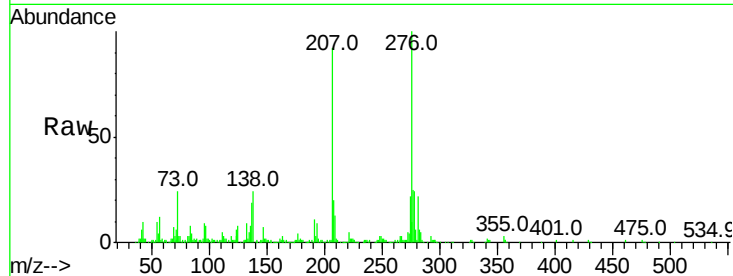
#93
Dibenzo(a,h)anthracene
Concen: 1.303 ng/ul m
RT: 26.29 min Scan# 3910
Delta R.T. -0.02 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Instrument :
BNA_M
ClientSampleId :
CB3A8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	27.2	19.1	28.7

Manual Integrations
APPROVED

Sohil
9/22/2017 4:19:39 PM



#94
Benzo(g,h,i)perylene
Concen: 4.277 ng/ul
RT: 27.04 min Scan# 4038
Delta R.T. -0.01 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	11.2	16.8#
277	24.8	19.0	28.6

