

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
 Data File : BM004660.D
 Acq On : 17 Mar 2016 11:18
 Operator : UM/SJ
 Sample : H1780-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BCA25

Manual Integrations
 APPROVED

UMANGI
 3/18/2016 11:59:53 AM

Quant Time: Mar 17 11:53:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 17 01:59:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	78572	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	329963	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.47	164	172176	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	367223	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	386287	20.00	ng/ul	0.00
86) Perylene-d12	23.71	264	391085	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	5025	2.21	ng/uL	0.00
5) Phenol-d5	7.00	99	98652	15.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	60506	16.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	82525	15.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	73111	14.05	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	35414	15.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	36367	14.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	73148	15.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	73652	12.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.88	166	219830	16.33	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	278533	16.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	19615	7.54	ng/ul	0.00
58) Fluorene-d10	15.47	176	202399	17.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	14895	7.72	ng/ul	0.00
71) Anthracene-d10	17.32	188	302247	17.88	ng/ul	0.00
79) Pyrene-d10	19.61	212	339828	19.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	355759	20.37	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.93	163	54783	4.01	ng/ul	99
50) Acenaphthene	14.54	153	14940	1.25	ng/ul	97
59) Fluorene	15.52	166	22597	1.67	ng/ul	98
70) Phenanthrene	17.26	178	461684	22.01	ng/ul	100
72) Anthracene	17.35	178	142591	6.75	ng/ul	99
77) Fluoranthene	19.28	202	1130061	48.77	ng/ul	99
80) Pyrene	19.64	202	990496	42.31	ng/ul	99
83) Benzo(a)anthracene	21.39	228	574208	25.47	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.32	149	17236	1.29	ng/ul#	96
85) Chrysene	21.44	228	554081	25.73	ng/ul	98
88) Benzo(b)fluoranthene	23.02	252	792268	33.97	ng/ul	95
89) Benzo(k)fluoranthene	23.06	252	294171m	13.27	ng/ul	
91) Benzo(a)pyrene	23.61	252	555367	24.85	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	26.04	276	393706	15.67	ng/ul#	94
93) Dibenzo(a,h)anthracene	26.04	278	97497	4.69	ng/ul#	81
94) Benzo(g,h,i)perylene	26.76	276	378955	17.80	ng/ul	99

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

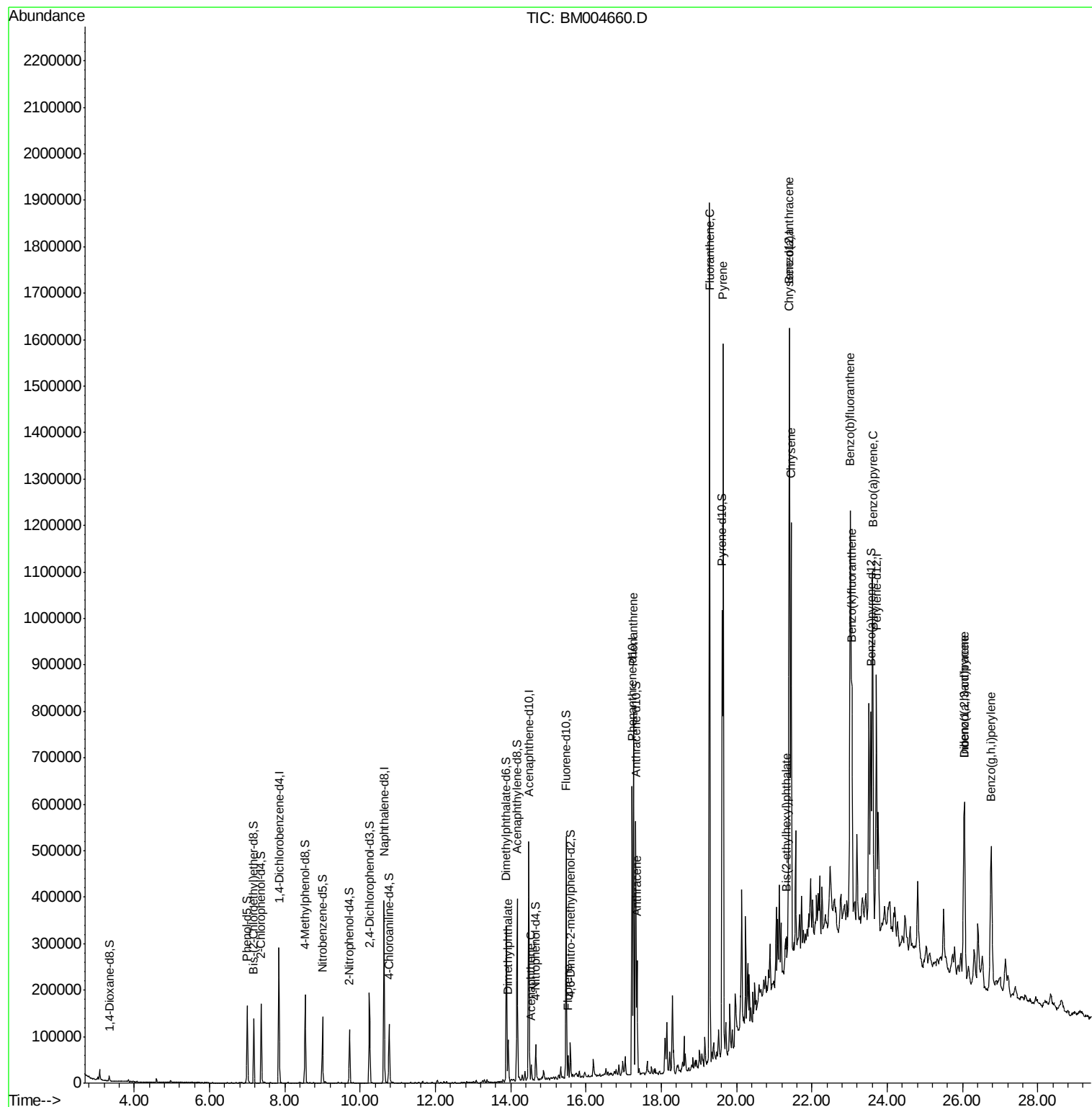
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004660.D
Acq On : 17 Mar 2016 11:18
Operator : UM/SJ
Sample : H1780-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

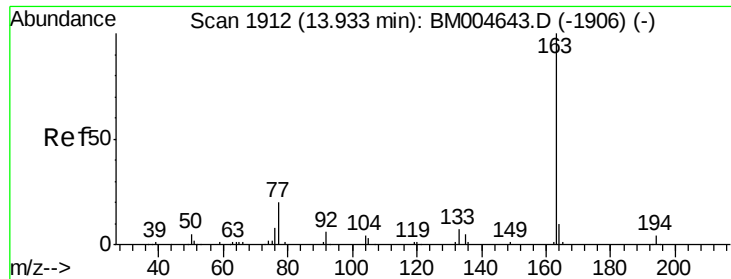
Instrument :
BNA_M
ClientSampled :
BCA25

Manual Integrations
APPROVED

UMANGI
3/18/2016 11:59:53 AM

Quant Time: Mar 17 11:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 17 01:59:21 2016
Response via : Initial Calibration





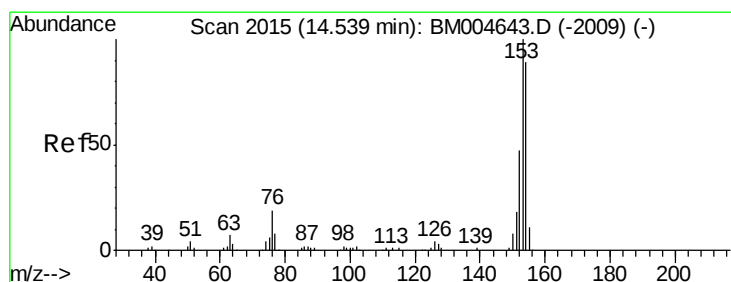
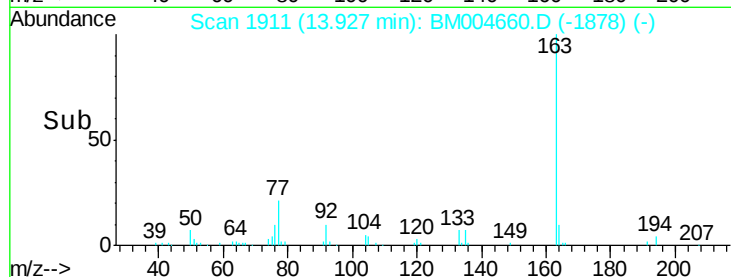
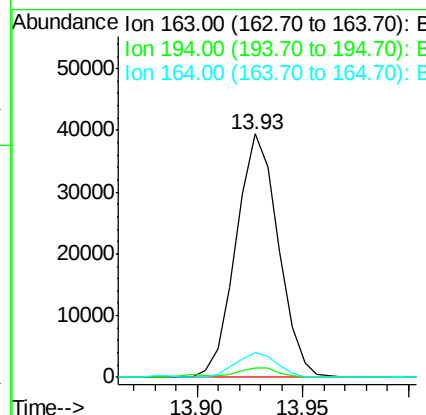
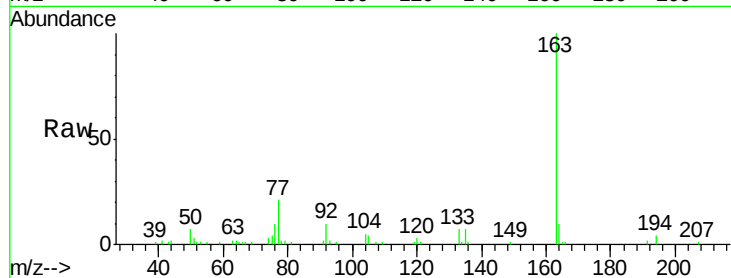
#45
Dimethylphthalate
Concen: 4.01 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Instrument :
BNA_M
ClientSampleId :
BCA25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.1	7.8	11.8

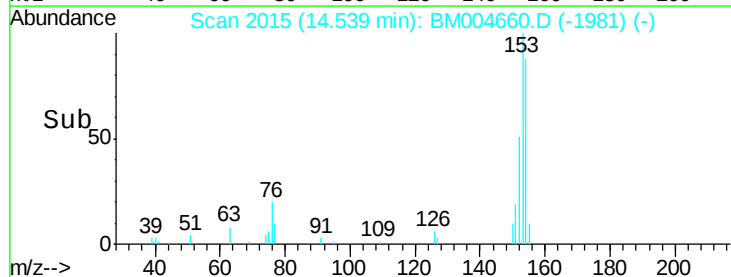
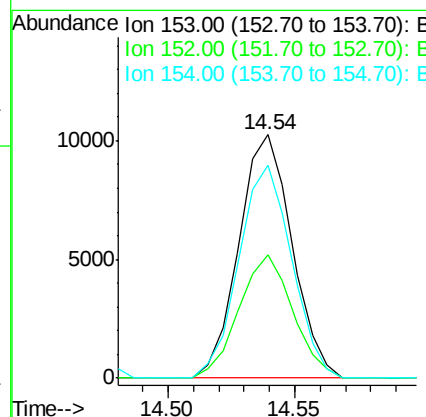
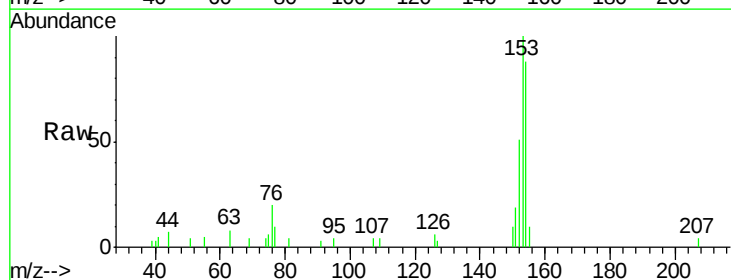
Manual Integrations
APPROVED

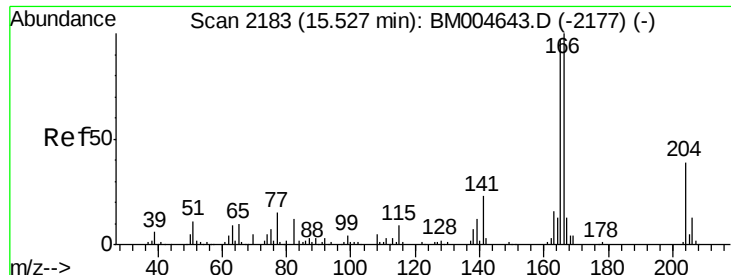
UMANGI
3/18/2016 11:59:53 AM



#50
Acenaphthene
Concen: 1.25 ng/ul
RT: 14.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.8	38.3	57.5
154	87.6	71.8	107.8





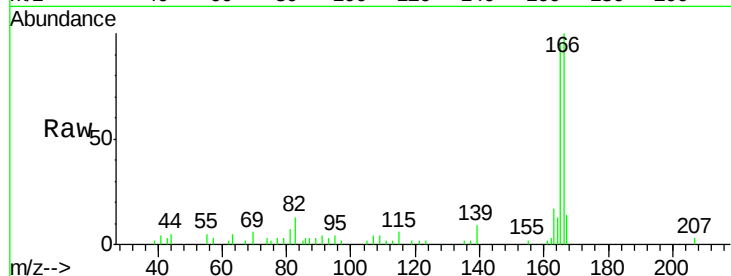
#59
Fluorene
Concen: 1.67 ng/ul
RT: 15.52 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Instrument :
BNA_M
ClientSampleId :
BCA25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	22597		
165	96.1	78.5	117.7	
167	13.8	10.7	16.1	

Manual Integrations
APPROVED

UMANGI
3/18/2016 11:59:53 AM

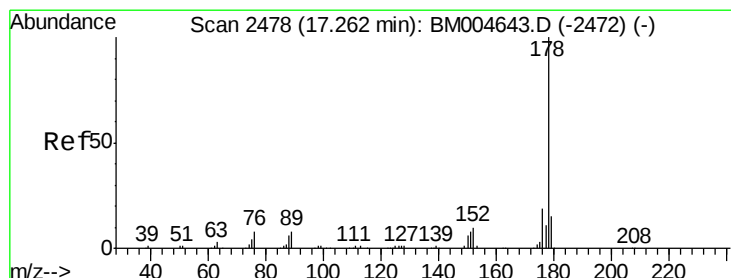
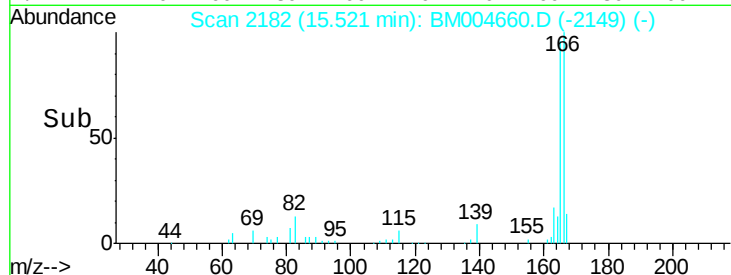
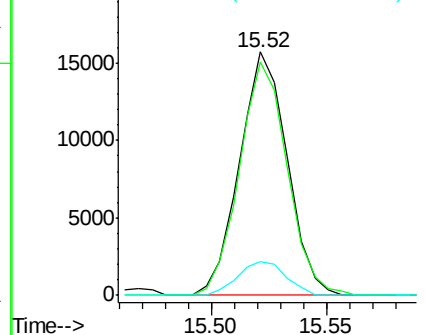


Abundance

Ion 166.00 (165.70 to 166.70): E

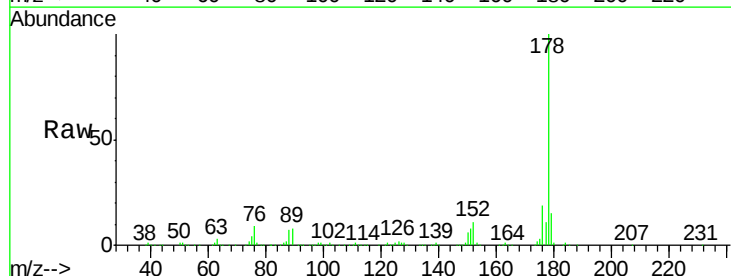
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70
Phenanthrene
Concen: 22.01 ng/ul
RT: 17.26 min Scan# 2478
Delta R.T. 0.00 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	461684		
179	15.4	12.2	18.4	
176	19.2	15.6	23.4	

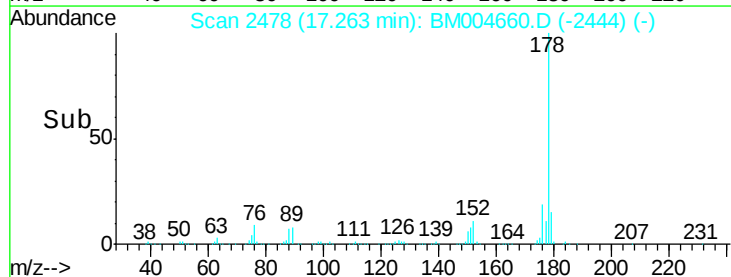
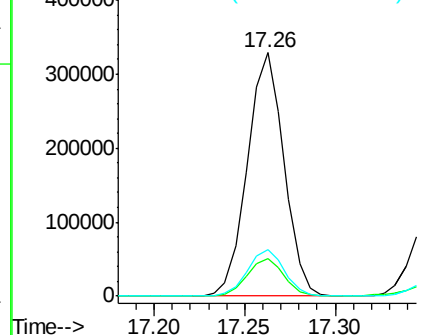


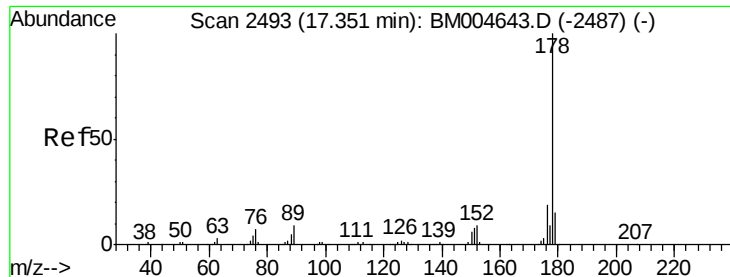
Abundance

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: 6.75 ng/ul

RT: 17.35 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BM004660.D

Acq: 17 Mar 2016 11:18

Instrument :

BNA_M

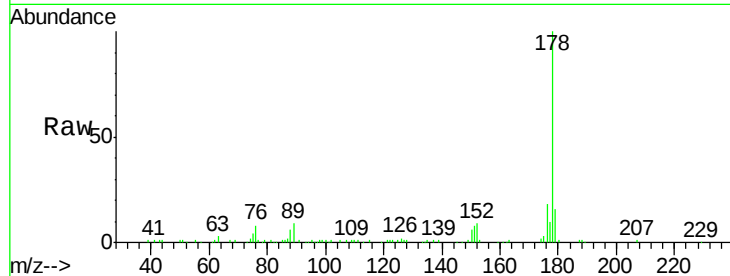
ClientSampleId :

BCA25

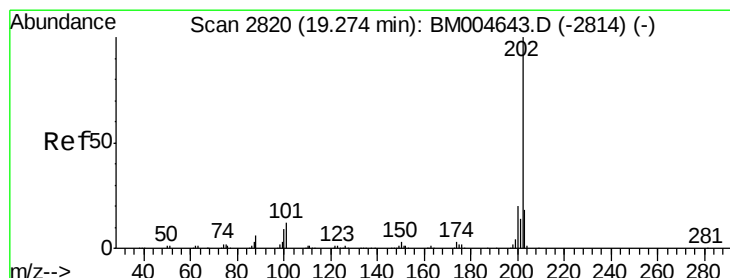
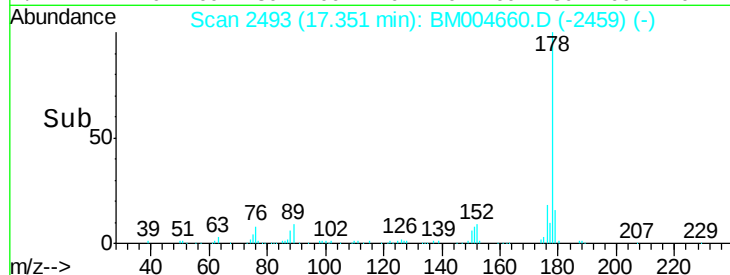
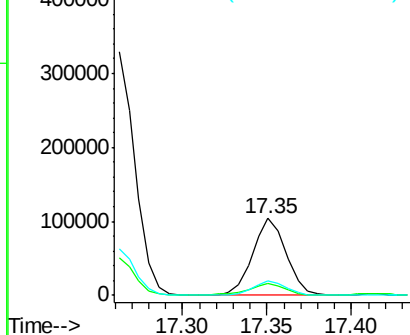
Tgt Ion:	178	Resp:	142591
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.1	18.1
176	18.5	14.8	22.2

Manual Integrations
APPROVED

UMANGI
3/18/2016 11:59:53 AM



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: 48.77 ng/ul

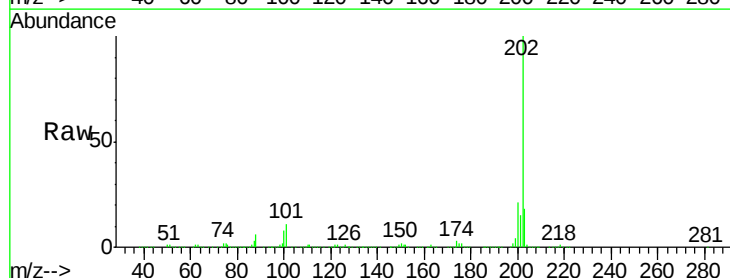
RT: 19.28 min Scan# 2821

Delta R.T. 0.01 min

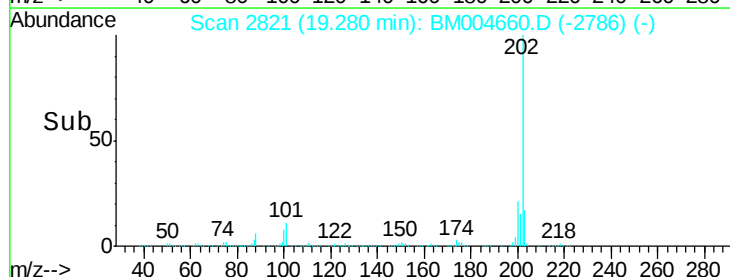
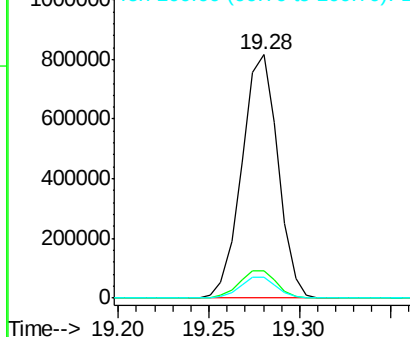
Lab File: BM004660.D

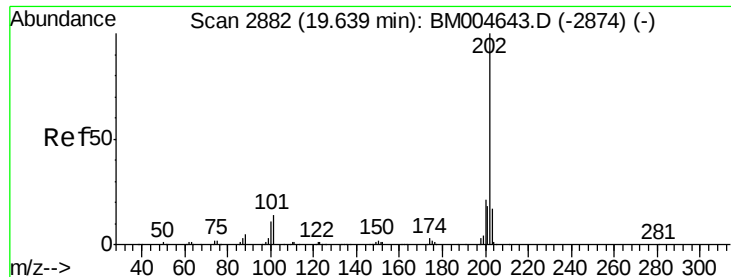
Acq: 17 Mar 2016 11:18

Tgt Ion:	202	Resp:	1130061
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.8	13.2
100	8.4	6.6	9.8



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





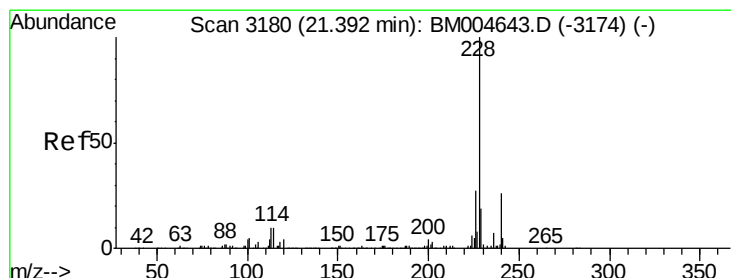
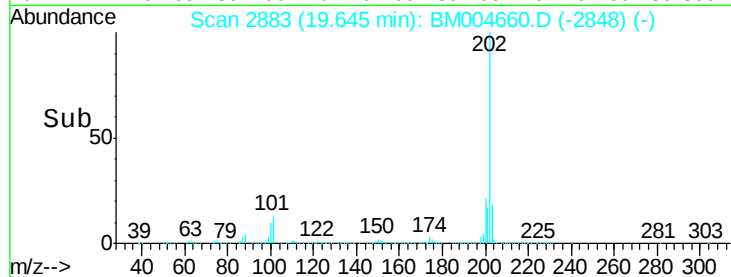
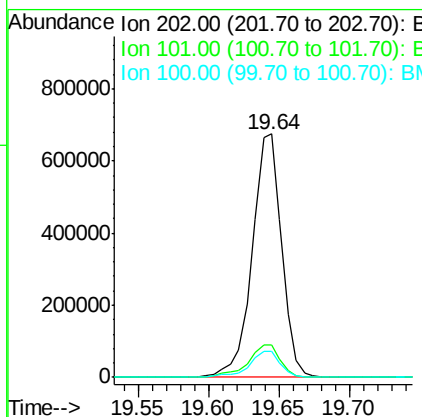
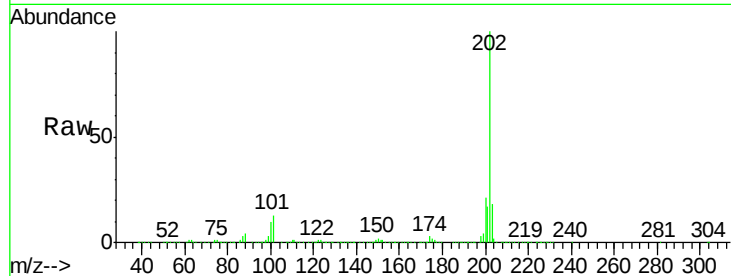
#80
 Pyrene
 Concen: 42.31 ng/ul
 RT: 19.64 min Scan# 2883
 Delta R.T. 0.01 min
 Lab File: BM004660.D
 Acq: 17 Mar 2016 11:18

Instrument :
 BNA_M
 ClientSampleId :
 BCA25

Tgt Ion:	202	Resp:	990496
Ion Ratio	Lower	Upper	
202	100		
101	13.1	10.2	15.2
100	10.5	8.5	12.7

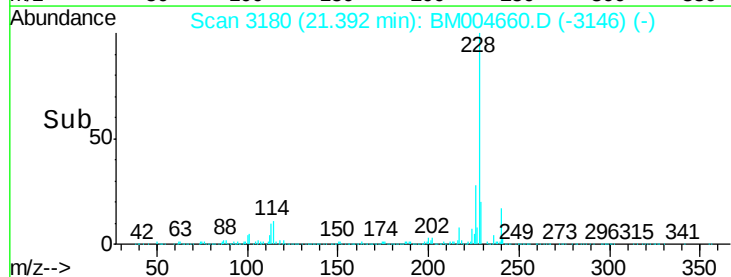
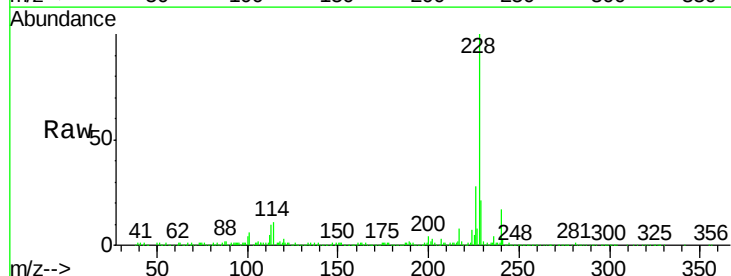
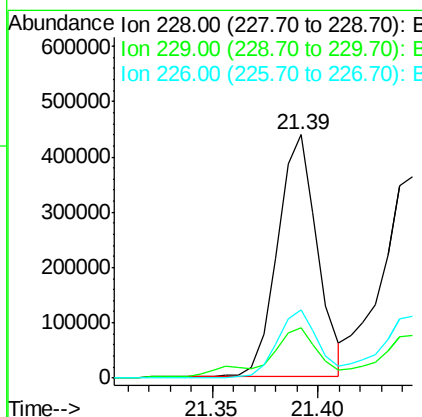
Manual Integrations
 APPROVED

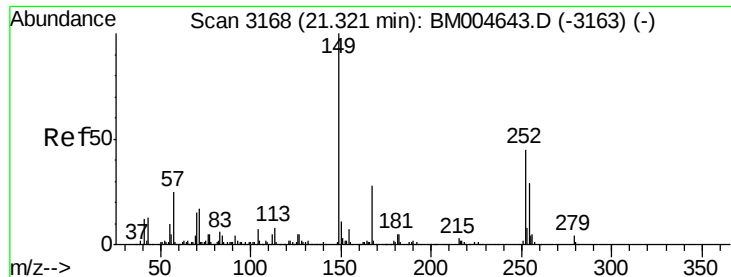
UMANGI
 3/18/2016 11:59:53 AM



#83
 Benzo(a)anthracene
 Concen: 25.47 ng/ul
 RT: 21.39 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BM004660.D
 Acq: 17 Mar 2016 11:18

Tgt Ion:	228	Resp:	574208
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.7	23.5
226	27.8	21.8	32.6





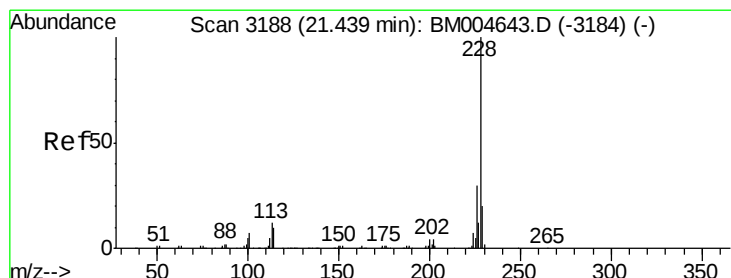
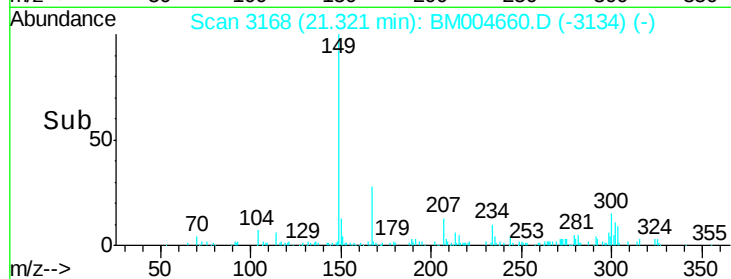
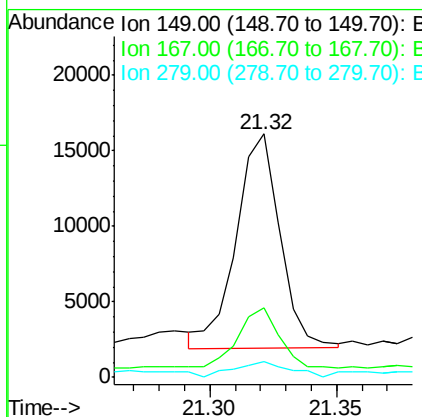
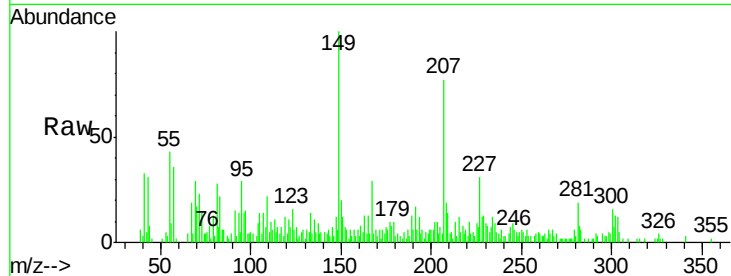
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.29 ng/ul
 RT: 21.32 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: BM004660.D
 Acq: 17 Mar 2016 11:18

Instrument :
 BNA_M
 ClientSampleId :
 BCA25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	17236		
167	28.6	21.6	32.4	
279	6.5	3.0	4.4#	

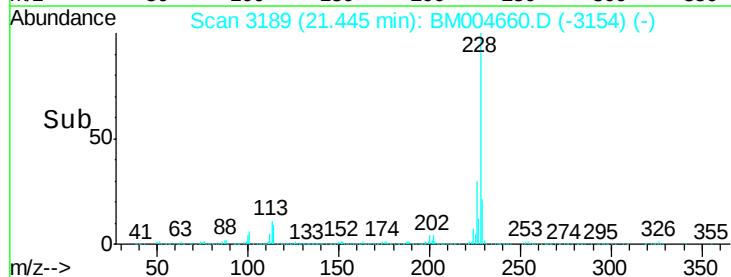
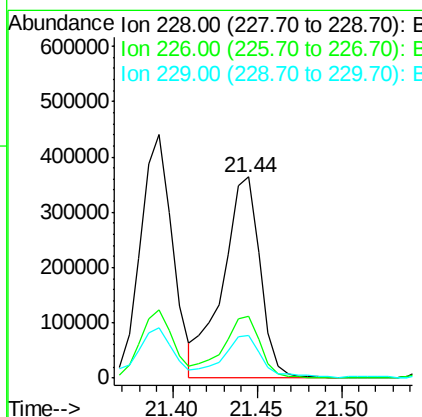
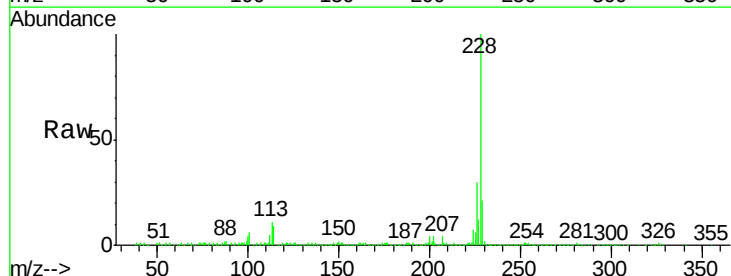
Manual Integrations
 APPROVED

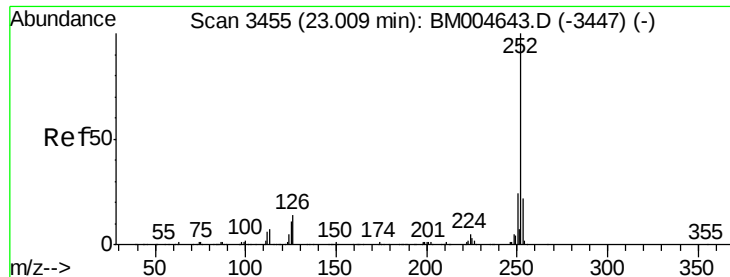
UMANGI
 3/18/2016 11:59:53 AM



#85
 Chrysene
 Concen: 25.73 ng/ul
 RT: 21.44 min Scan# 3189
 Delta R.T. 0.01 min
 Lab File: BM004660.D
 Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	554081		
226	30.5	24.0	36.0	
229	21.4	15.6	23.4	





#88

Benzo(b)fluoranthene

Concen: 33.97 ng/ul

RT: 23.02 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BM004660.D

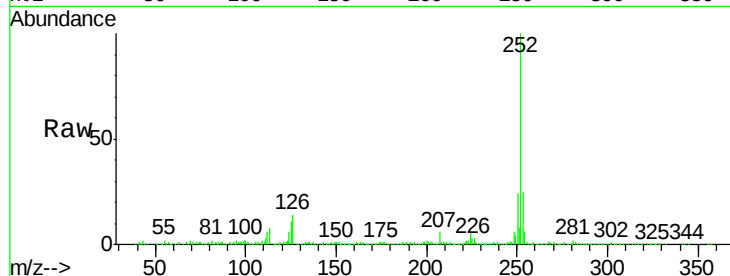
Acq: 17 Mar 2016 11:18

Instrument :

BNA_M

ClientSampled :

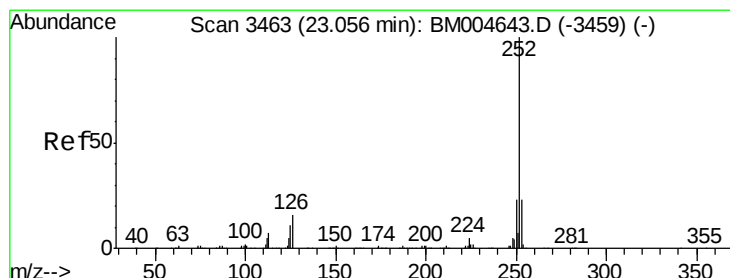
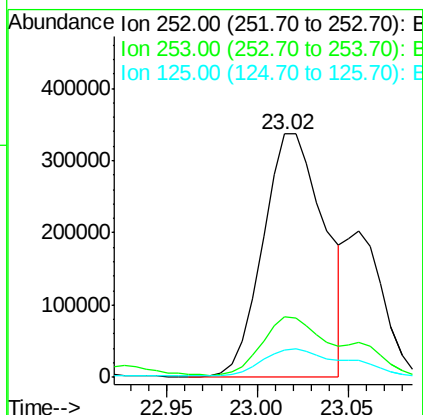
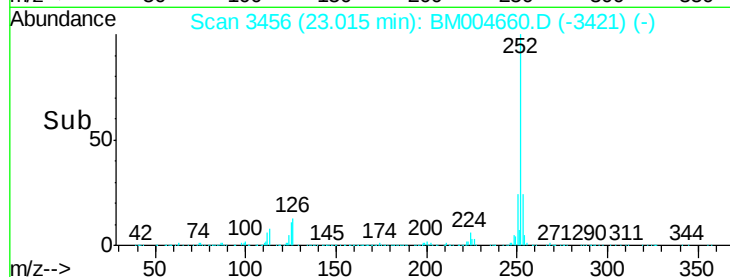
BCA25



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	11.3	8.5	12.7

Manual Integrations
APPROVED

UMANGI
3/18/2016 11:59:53 AM



#89

Benzo(k)fluoranthene

Concen: 13.27 ng/ul m

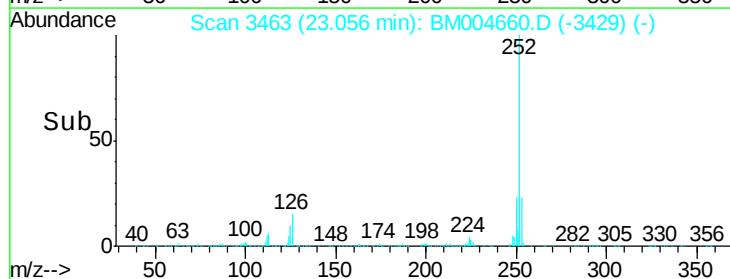
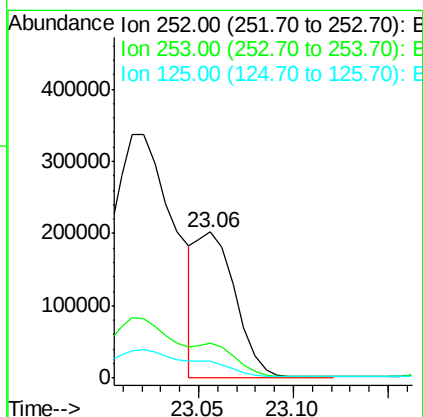
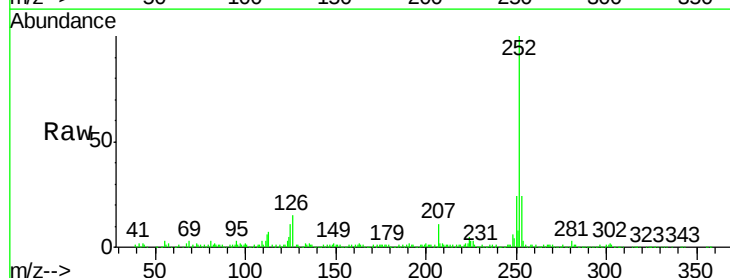
RT: 23.06 min Scan# 3463

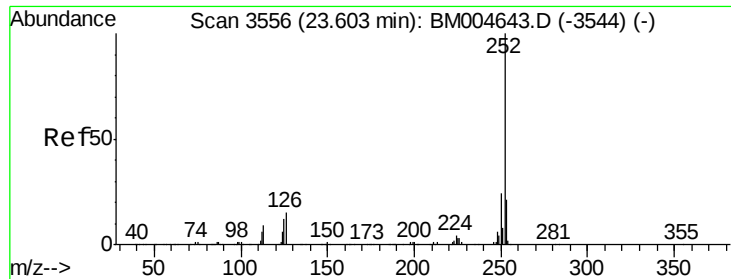
Delta R.T. 0.00 min

Lab File: BM004660.D

Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	11.3	8.2	12.2





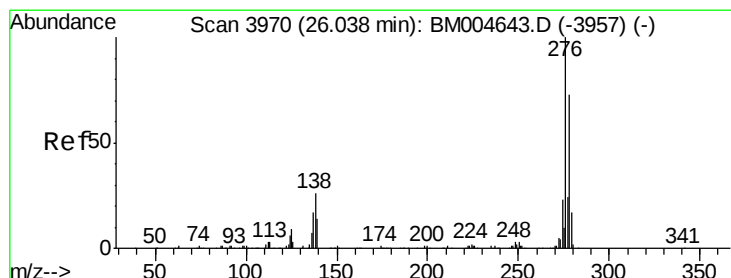
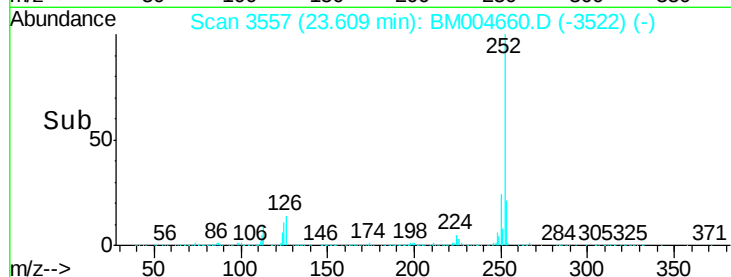
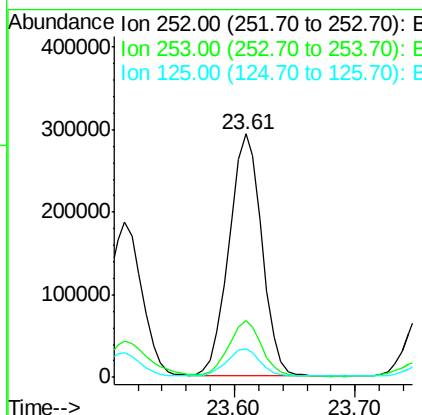
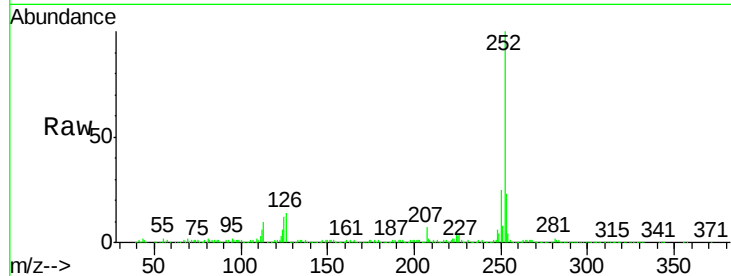
#91
Benzo(a)pyrene
Concen: 24.85 ng/ul
RT: 23.61 min Scan# 3557
Delta R.T. 0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Instrument :
BNA_M
ClientSampleId :
BCA25

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.2	25.8
125	11.6	9.0	13.6

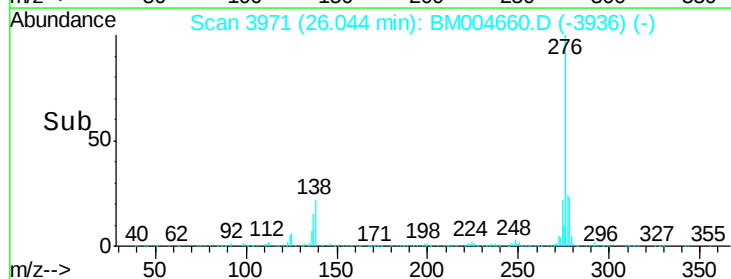
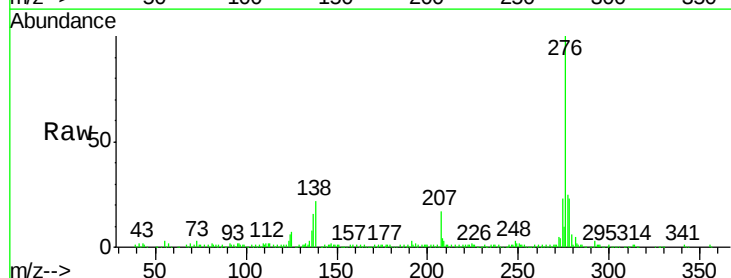
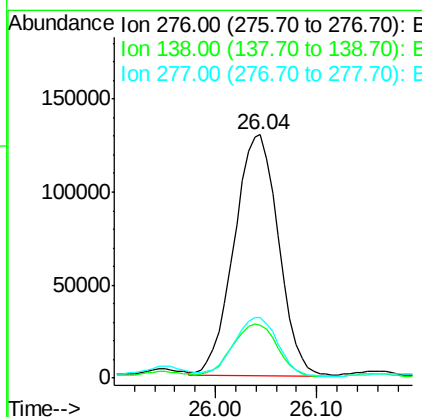
Manual Integrations
APPROVED

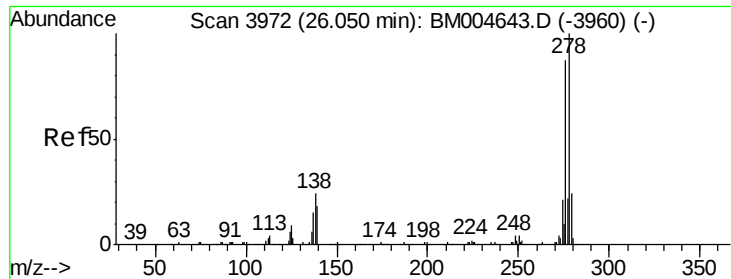
UMANGI
3/18/2016 11:59:53 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 15.67 ng/ul
RT: 26.04 min Scan# 3971
Delta R.T. 0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.8	22.3	33.5#
277	25.0	20.2	30.2





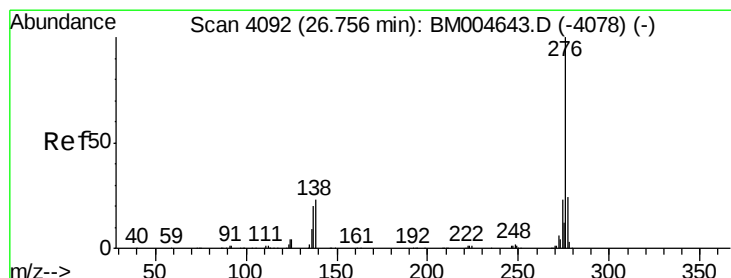
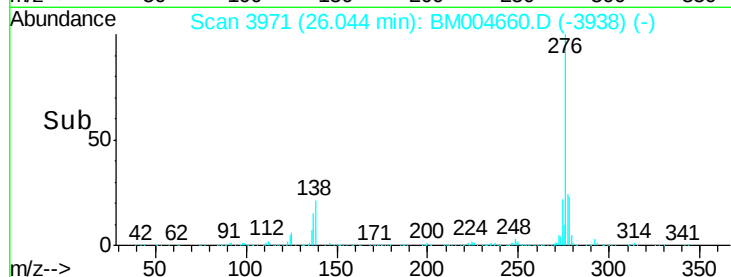
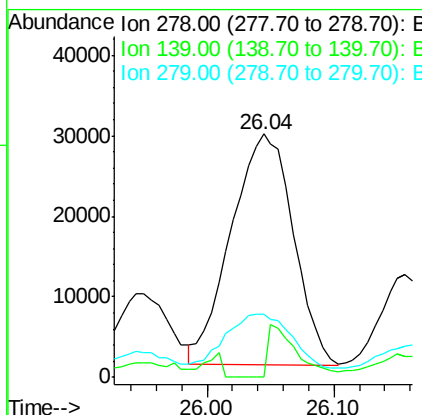
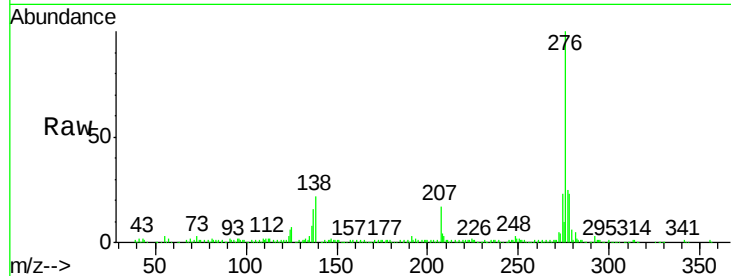
#93
Dibenzo(a,h)anthracene
Concen: 4.69 ng/ul
RT: 26.04 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Instrument :
BNA_M
ClientSampleId :
BCA25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	25.9	19.0	28.4

Manual Integrations
APPROVED

UMANGI
3/18/2016 11:59:53 AM



#94
Benzo(g,h,i)perylene
Concen: 17.80 ng/ul
RT: 26.76 min Scan# 4093
Delta R.T. 0.01 min
Lab File: BM004660.D
Acq: 17 Mar 2016 11:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.9	28.3
277	24.4	19.2	28.8

