

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112816\
 Data File : BM008085.D
 Acq On : 28 Nov 2016 14:16
 Operator : UM/SJ
 Sample : H5701-24
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG2

Manual Integrations
 APPROVED

UMANGI
 11/29/2016 2:22:33 PM

Quant Time: Nov 28 15:31:36 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 28 14:45:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	506	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	1697	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1026	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2251m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2146	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	1819m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	640	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1552	0.24	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.54	128	136	0.03	ng/ul#	24
7) Acenaphthylene	14.06	152	385	0.08	ng/ul#	70
8) Acenaphthene	14.40	153	154	0.04	ng/ul#	90
9) Fluorene	15.39	166	246	0.06	ng/ul#	77
12) Phenanthrene	17.12	178	3530	0.50	ng/ul	99
13) Anthracene	17.23	178	1214	0.18	ng/ul#	88
15) Fluoranthene	19.16	202	7951	0.88	ng/ul	95
17) Pyrene	19.52	202	7298	0.98	ng/ul	96
18) Benzo(a)anthracene	21.28	228	4005	0.61	ng/ul	96
19) Chrysene	21.33	228	3948	0.48	ng/ul	95
21) Benzo(b)fluoranthene	22.85	252	5621m	0.77	ng/ul	
22) Benzo(k)fluoranthene	22.89	252	2065m	0.28	ng/ul	
23) Benzo(a)pyrene	23.42	252	3821m	0.56	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.78	276	2669m	0.32	ng/ul	
25) Dibenzo(a,h)anthracene	25.78	278	762m	0.11	ng/ul	
26) Benzo(a,h,i)perylene	26.48	276	2249m	0.30	ng/ul	

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

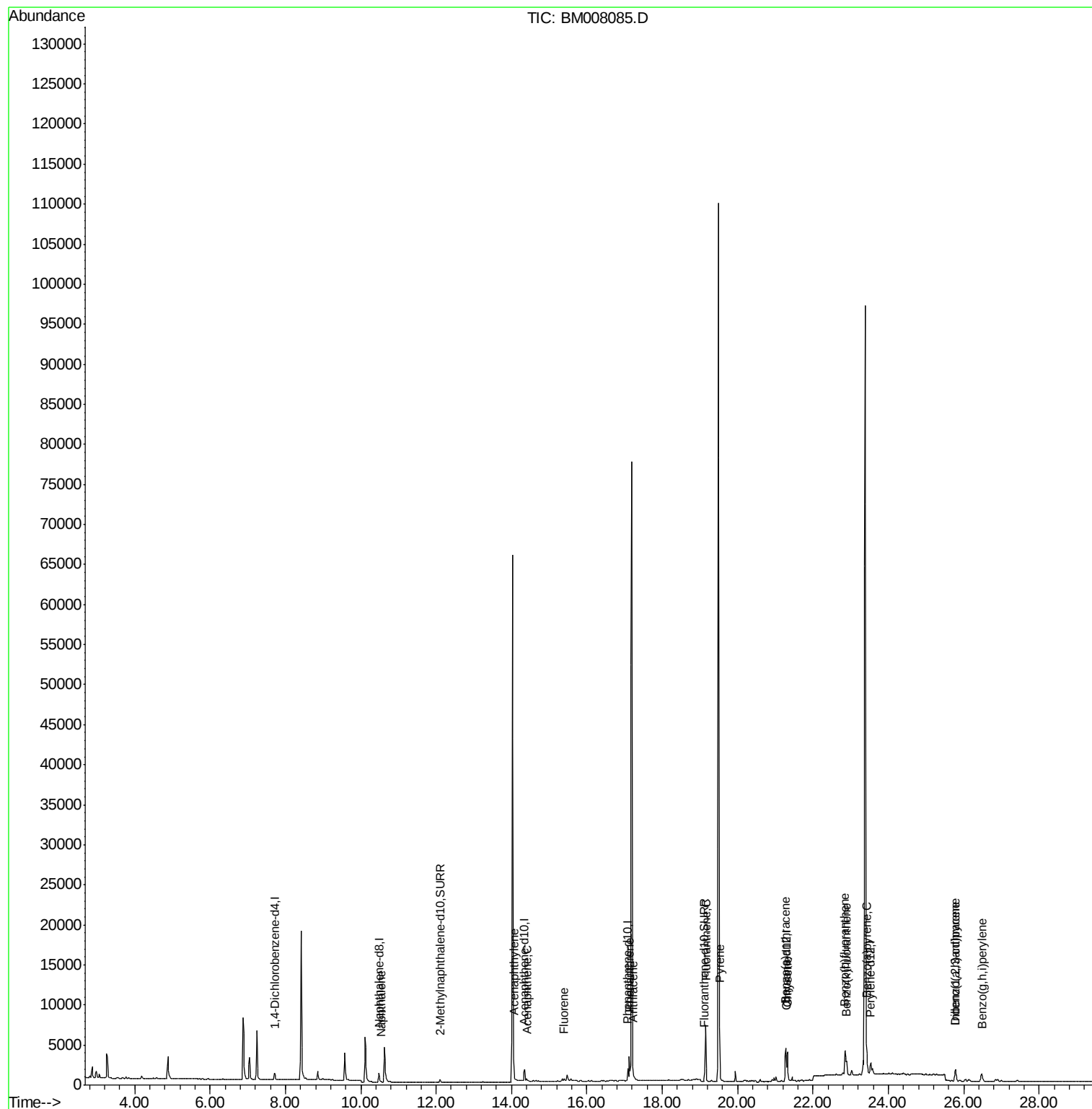
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112816\
Data File : BM008085.D
Acq On : 28 Nov 2016 14:16
Operator : UM/SJ
Sample : H5701-24
Misc :
ALS Vial : 6 Sample Multiplier: 1

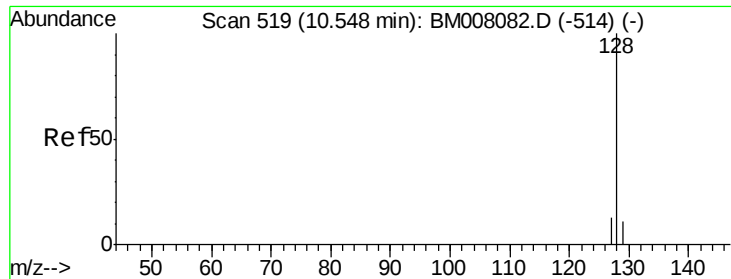
Instrument :
BNA_M
ClientSampleId :
A4WG2

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM

Quant Time: Nov 28 15:31:36 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 28 14:45:16 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.54 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Instrument :

BNA_M

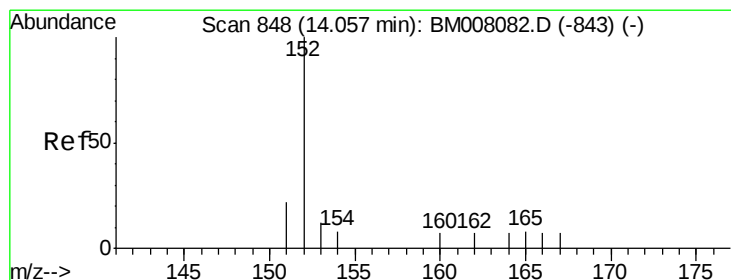
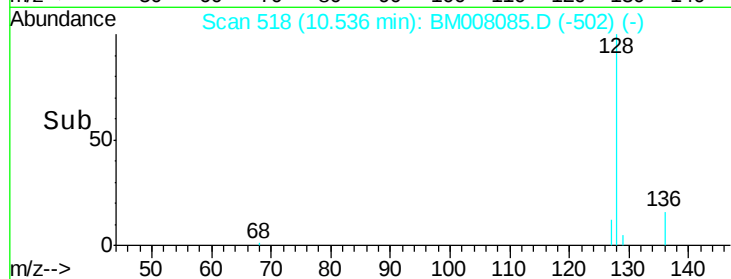
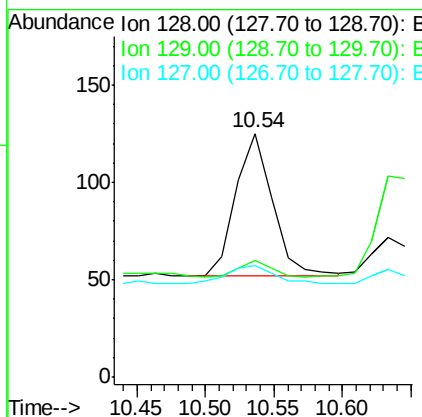
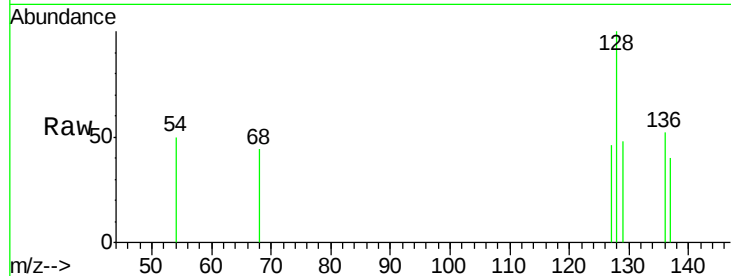
ClientSampleId :

A4WG2

Tot Ion:	128	Resp:	136
Ion	Ratio	Lower	Upper
128	100		
129	48.0	11.3	16.9#
127	45.6	12.8	19.2#

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



#7

Acenaphthylene

Concen: 0.08 ng/ul

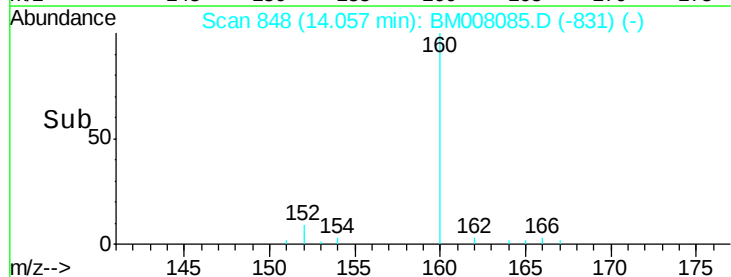
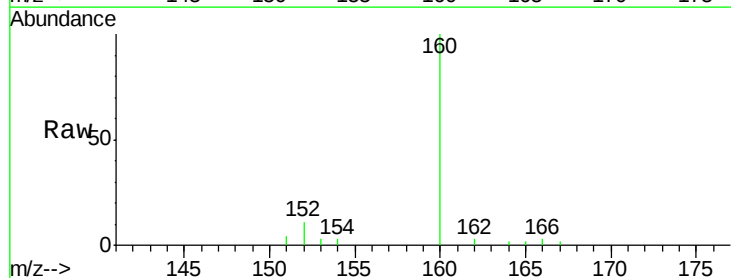
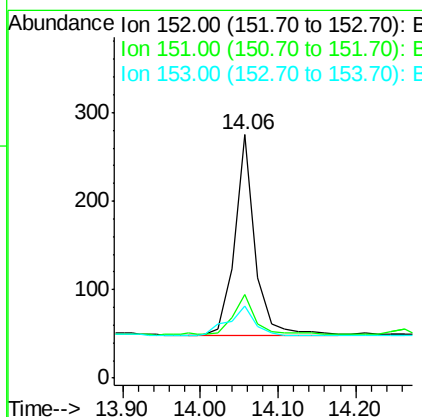
RT: 14.06 min Scan# 848

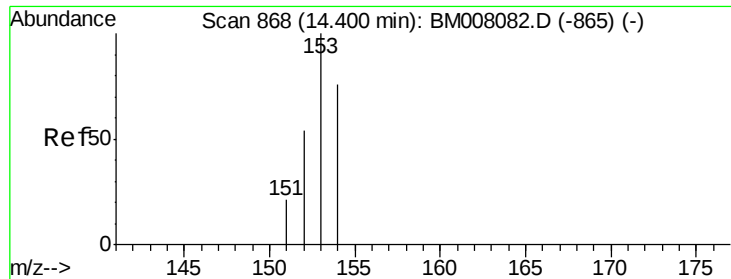
Delta R.T. -0.00 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Tgt Ion:	152	Resp:	385
Ion	Ratio	Lower	Upper
152	100		
151	34.5	17.1	25.7#
153	29.5	12.8	19.2#





#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Instrument :

BNA_M

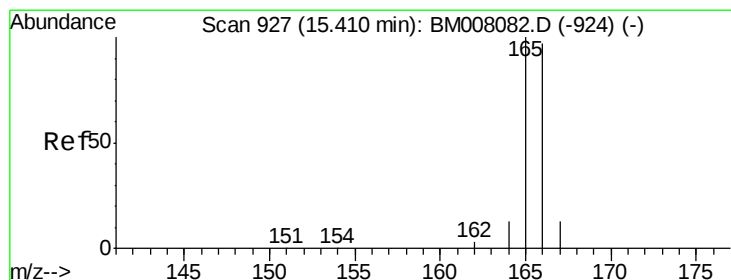
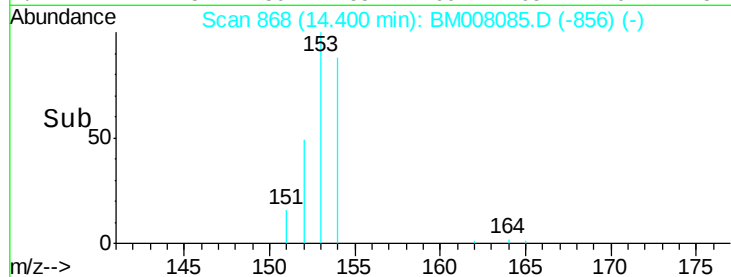
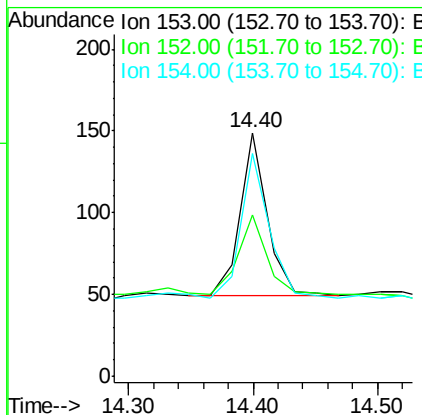
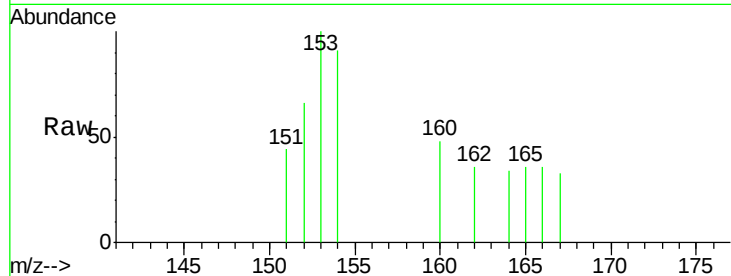
ClientSampleId :

A4WG2

Tot Ion:	153	Resp:	154
Ion	Ratio	Lower	Upper
153	100		
152	66.4	40.3	60.5#
154	91.3	71.4	107.2

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



#9

Fluorene

Concen: 0.06 ng/ul

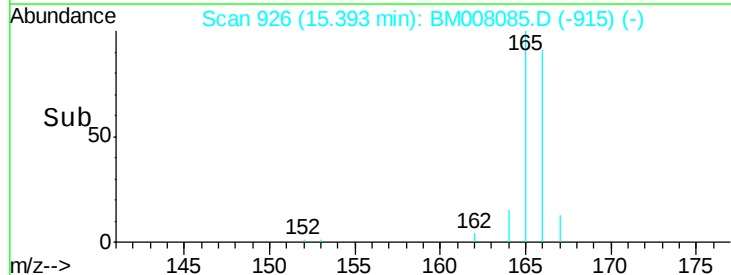
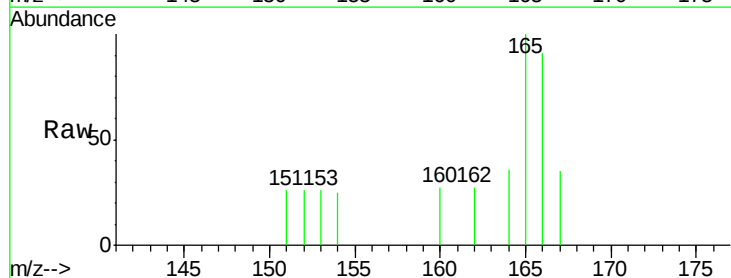
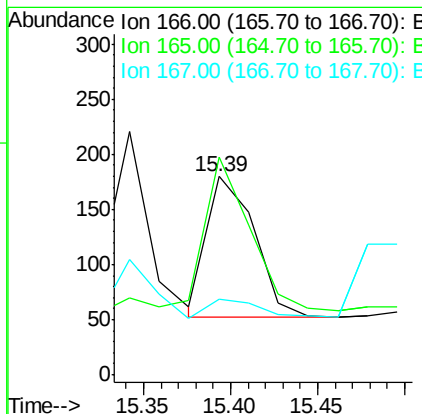
RT: 15.39 min Scan# 926

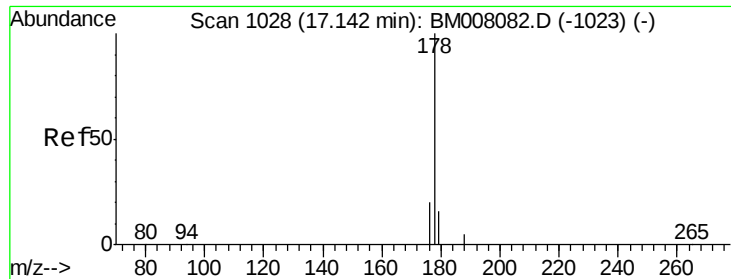
Delta R.T. -0.02 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Tgt Ion:	166	Resp:	246
Ion	Ratio	Lower	Upper
166	100		
165	109.4	73.4	110.2
167	37.8	14.6	22.0#





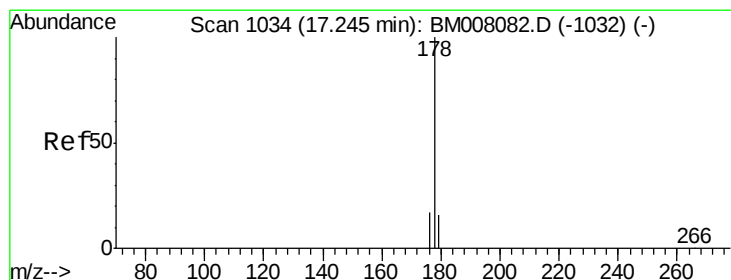
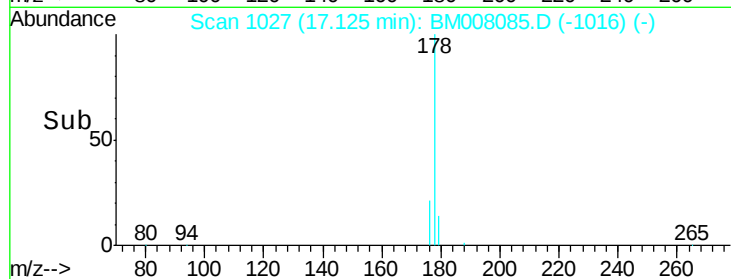
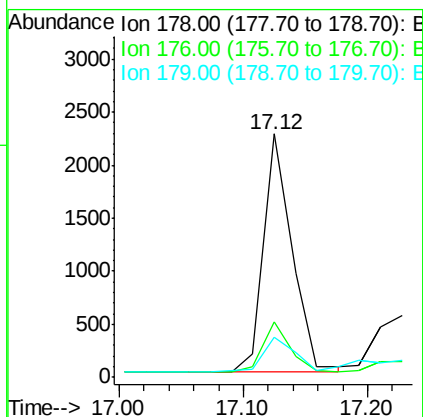
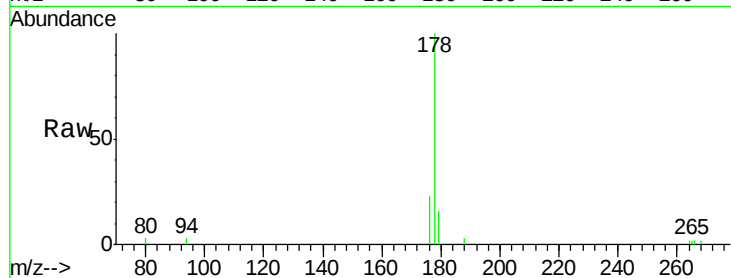
#12
Phenanthrene
Concen: 0.50 ng/ul
RT: 17.12 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Instrument :
BNA_M
ClientSampleId :
A4WG2

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.7	18.4	27.6
179	16.3	13.6	20.4

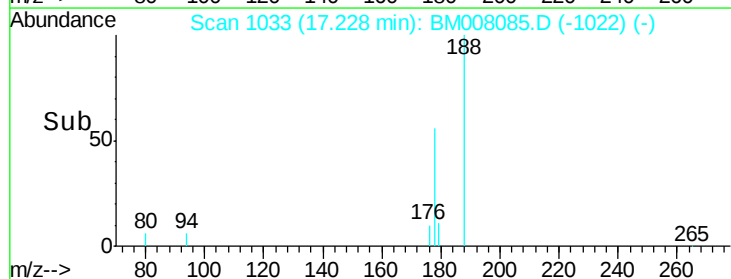
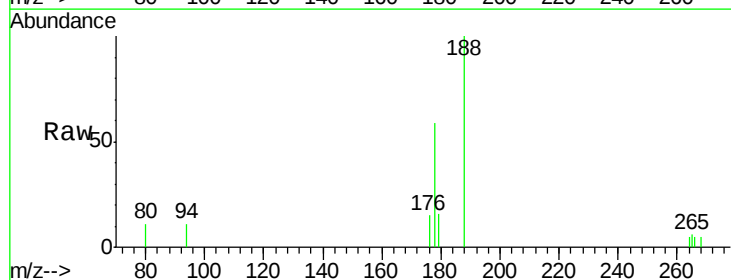
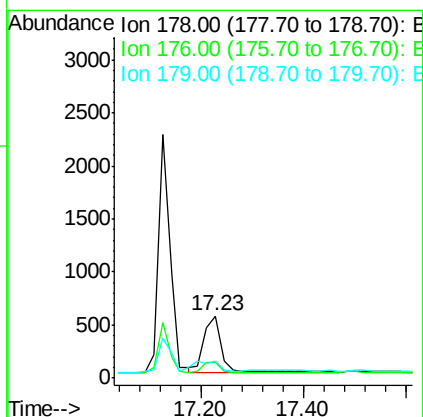
Manual Integrations
APPROVED

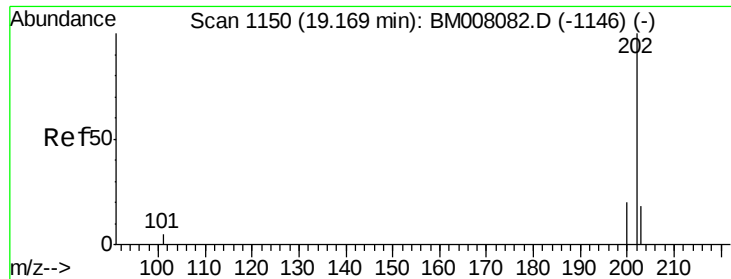
UMANGI
11/29/2016 2:22:33 PM



#13
Anthracene
Concen: 0.18 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.9	18.1	27.1
179	27.8	14.7	22.1#





#15

Fluoranthene

Concen: 0.88 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Instrument :

BNA_M

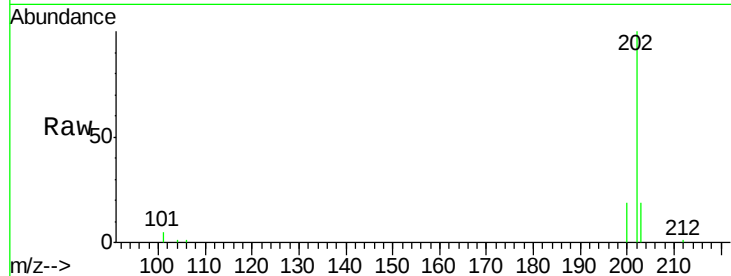
ClientSampleId :

A4WG2

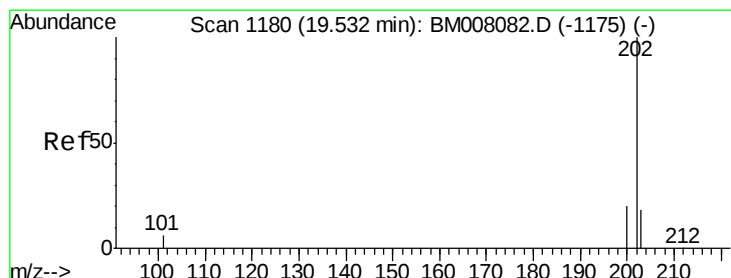
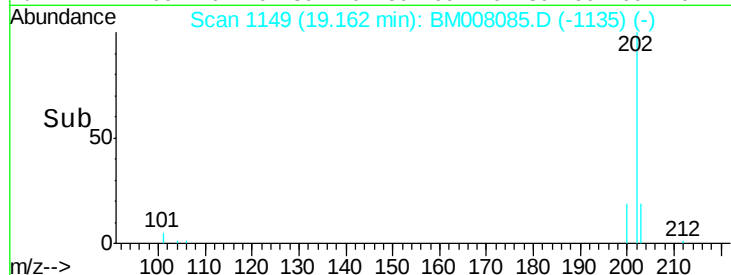
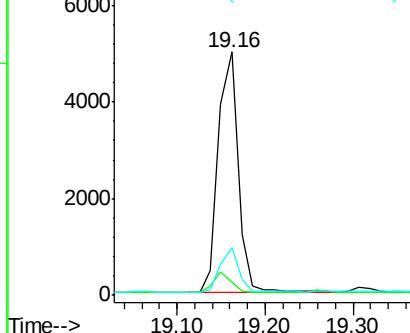
Tot Ion:	202	Resp:	7951
Ion Ratio	Lower	Upper	
202	100		
101	5.2	0.0	30.3
203	19.4	0.0	39.5

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.98 ng/ul

RT: 19.52 min Scan# 1179

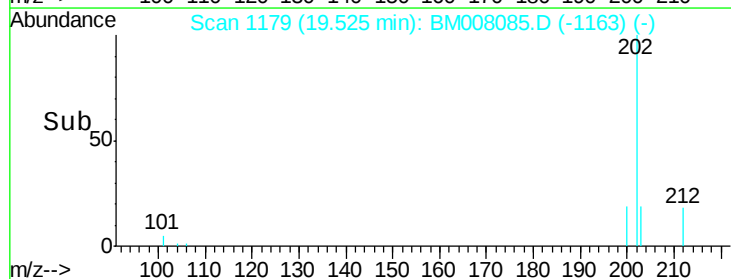
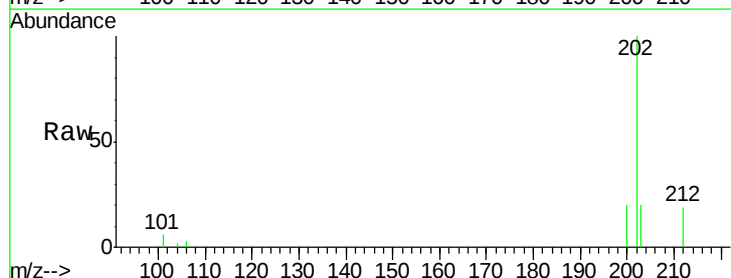
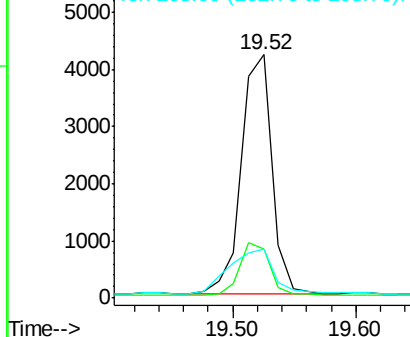
Delta R.T. -0.01 min

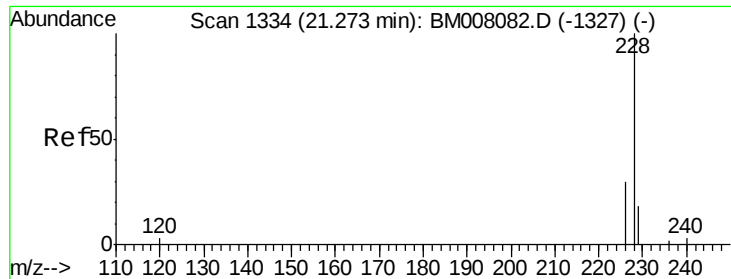
Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Tgt Ion:	202	Resp:	7298
Ion Ratio	Lower	Upper	
202	100		
200	20.0	18.2	27.4
203	20.3	15.6	23.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





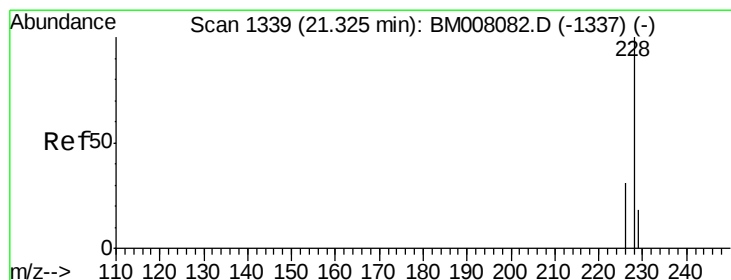
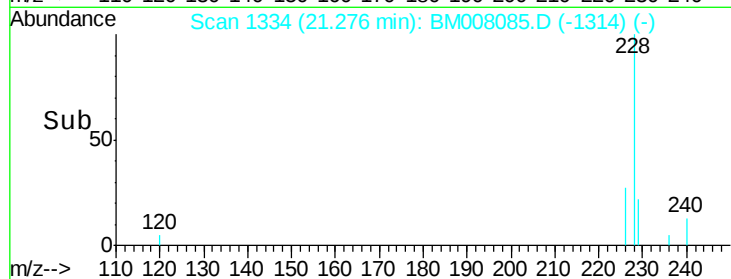
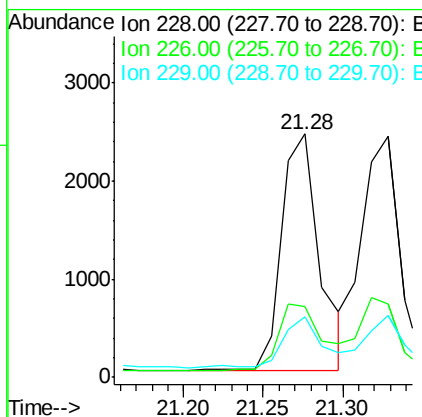
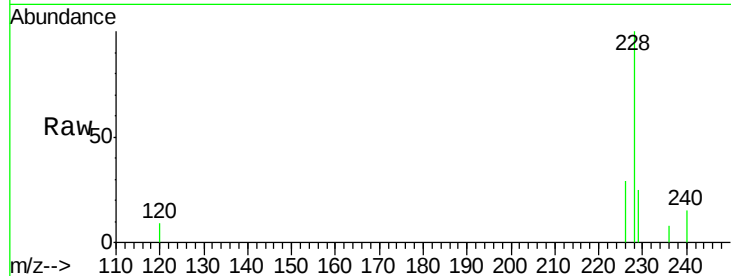
#18
Benzo(a)anthracene
Concen: 0.61 ng/ul
RT: 21.28 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Instrument :
BNA_M
ClientSampleId :
A4WG2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	25.1	17.0	25.6

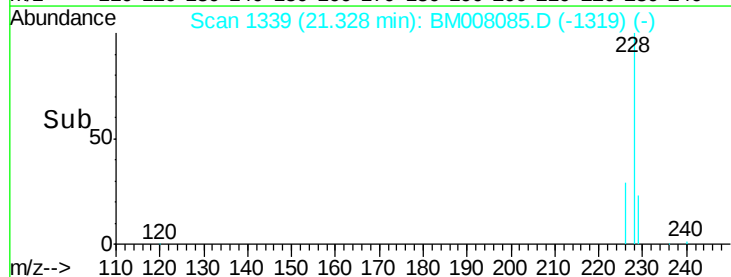
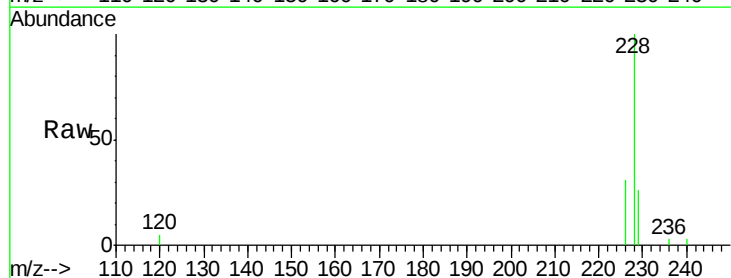
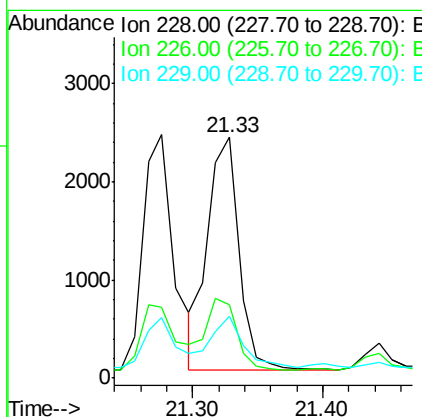
Manual Integrations
APPROVED

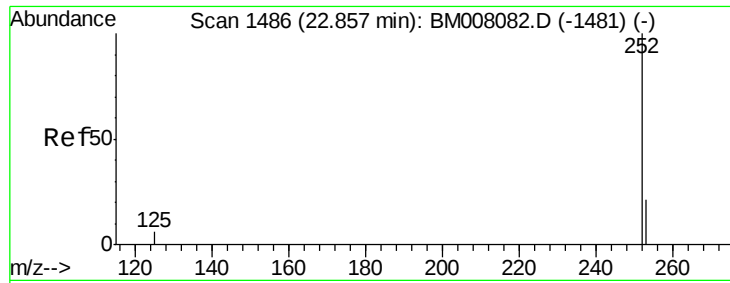
UMANGI
11/29/2016 2:22:33 PM



#19
Chrysene
Concen: 0.48 ng/ul
RT: 21.33 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.0
229	25.6	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 0.77 ng/ul m

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Instrument :

BNA_M

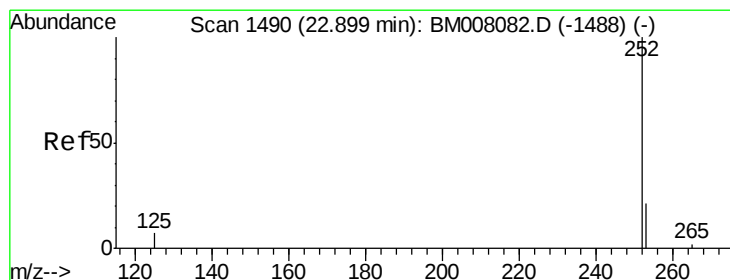
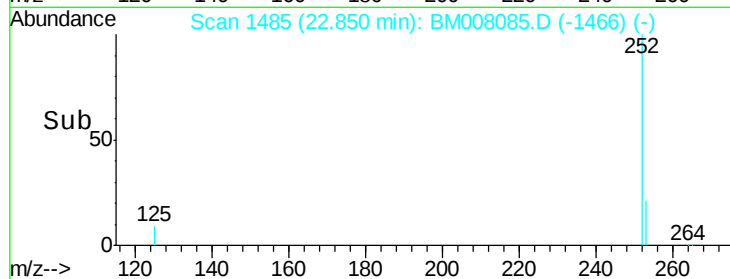
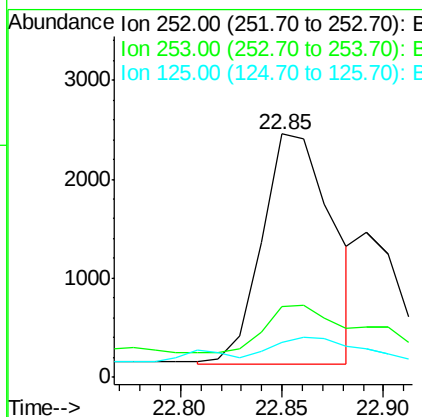
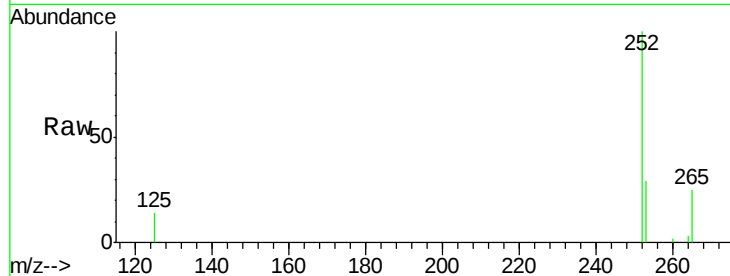
ClientSampleId :

A4WG2

Tot Ion:	252	Resp:	5621
Ion Ratio	Lower	Upper	
252	100		
253	28.9	0.0	64.2
125	14.4	0.0	35.0

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



#22

Benzo(k)fluoranthene

Concen: 0.28 ng/ul m

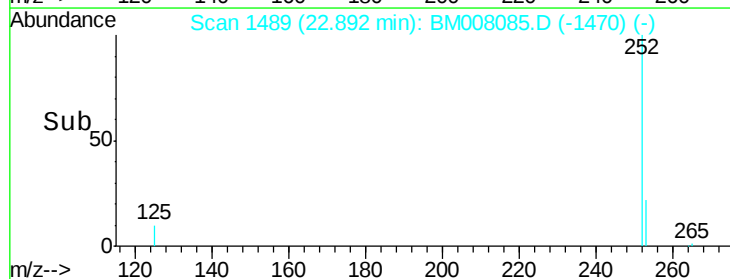
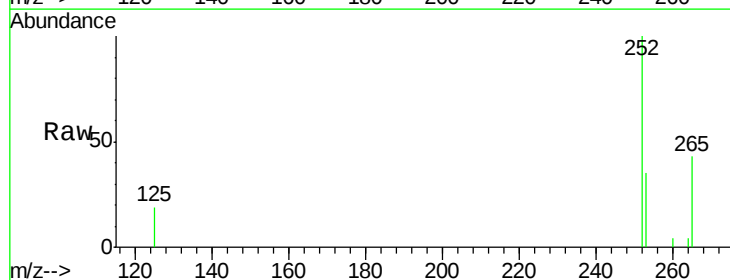
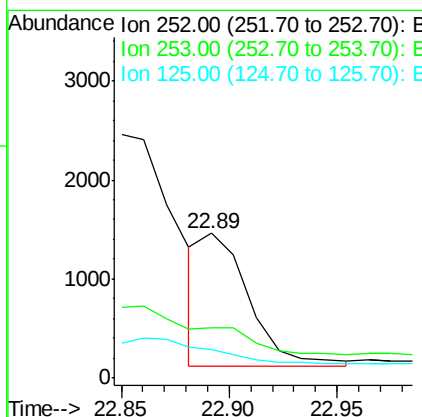
RT: 22.89 min Scan# 1489

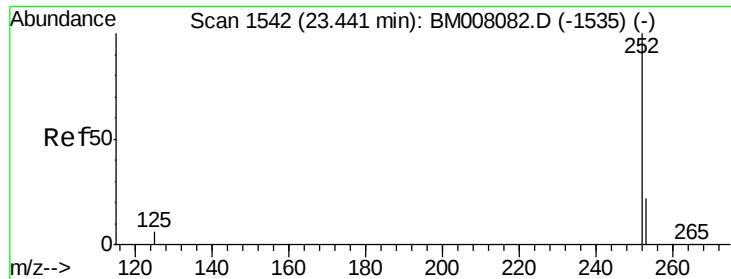
Delta R.T. -0.01 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Tgt Ion:	252	Resp:	2065
Ion Ratio	Lower	Upper	
252	100		
253	35.2	24.5	36.7
125	19.5	13.7	20.5





#23

Benzo(a)pyrene

Concen: 0.56 ng/ul m

RT: 23.42 min Scan# 1540

Delta R.T. -0.02 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Instrument :

BNA_M

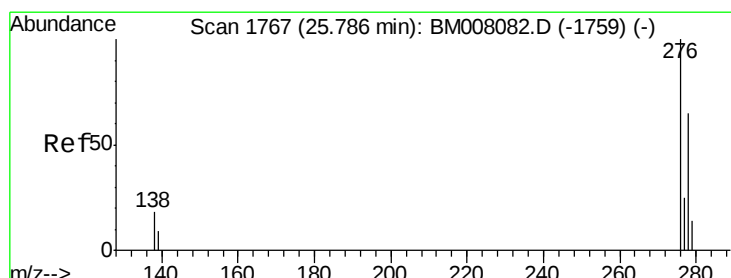
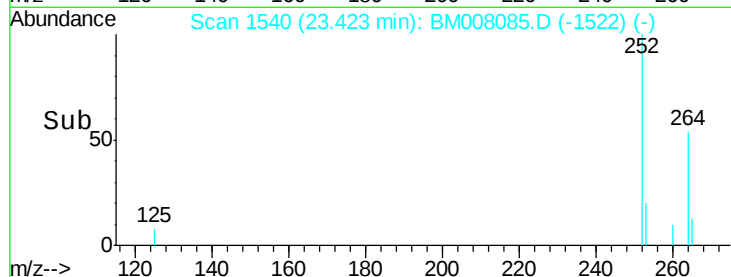
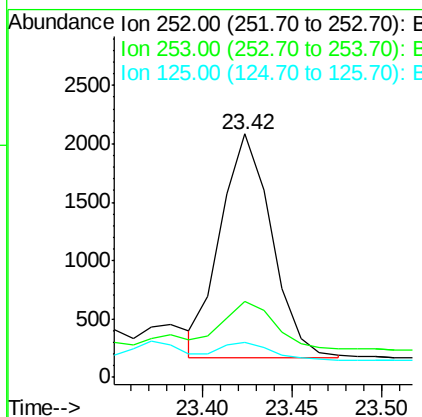
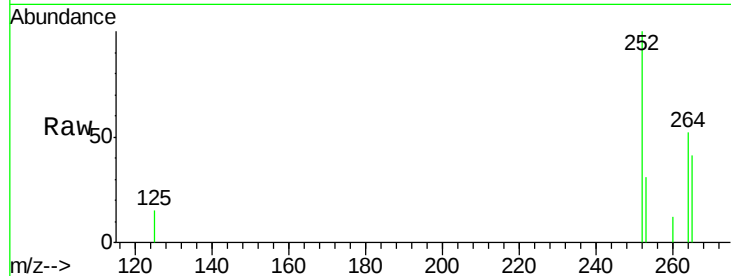
ClientSampleId :

A4WG2

Tot Ion:	252	Resp:	3821
Ion Ratio	Lower	Upper	
252	100		
253	31.2	28.5	42.7
125	14.5	18.1	27.1#

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.32 ng/ul m

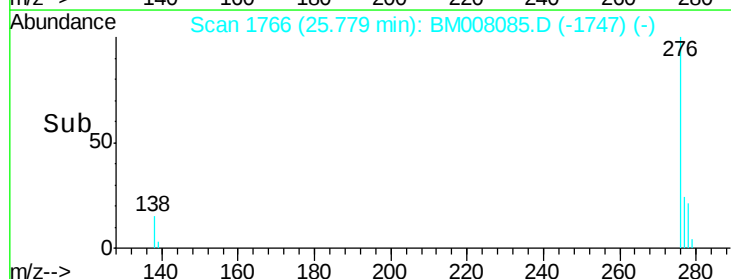
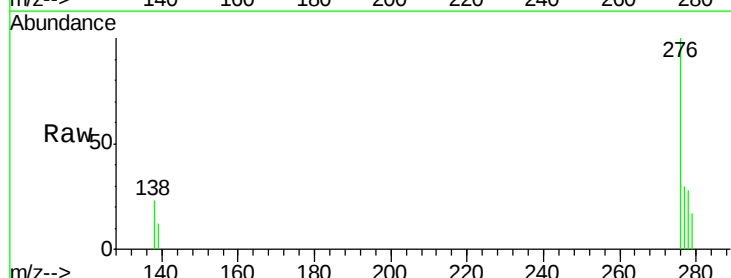
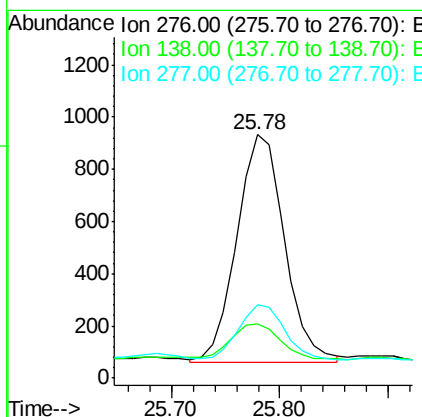
RT: 25.78 min Scan# 1766

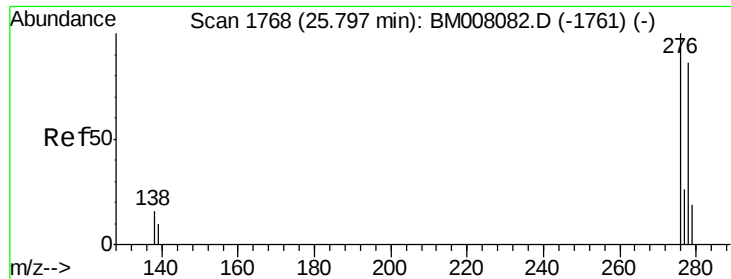
Delta R.T. -0.01 min

Lab File: BM008085.D

Acq: 28 Nov 2016 14:16

Tgt Ion:	276	Resp:	2669
Ion Ratio	Lower	Upper	
276	100		
138	39.0	19.1	28.7#
277	43.2	19.6	29.4#





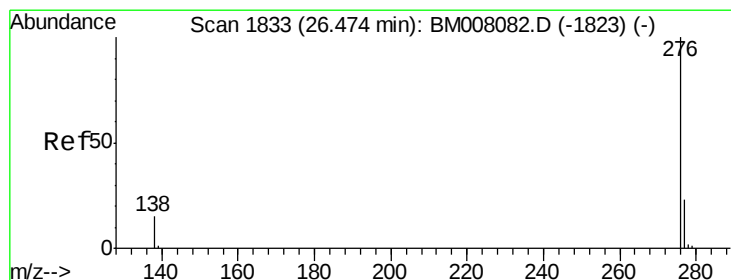
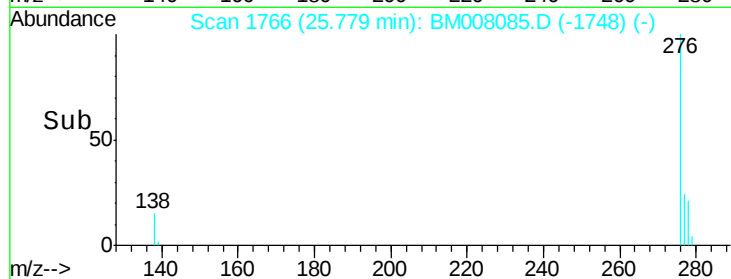
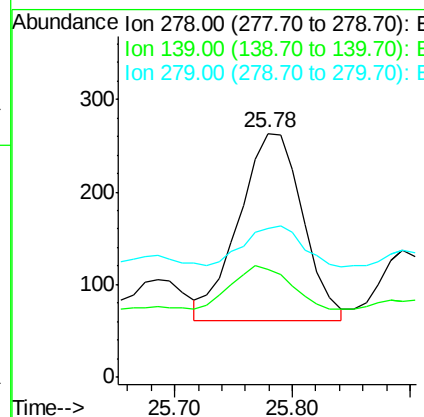
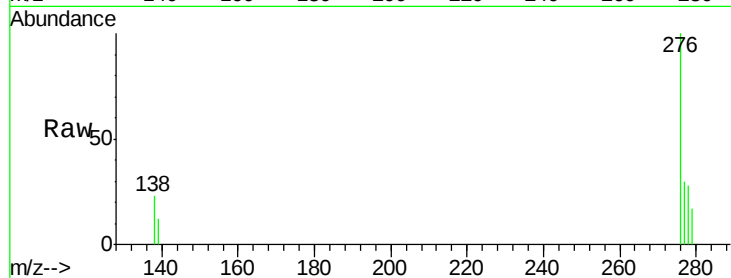
#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng/ul m
RT: 25.78 min Scan# 1766
Delta R.T. -0.02 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Instrument :
BNA_M
ClientSampleId :
A4WG2

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.1	17.4	26.0#
279	60.8	25.9	38.9#

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:33 PM



#26
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul m
RT: 26.48 min Scan# 1833
Delta R.T. 0.00 min
Lab File: BM008085.D
Acq: 28 Nov 2016 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.2	21.8	32.8
138	25.3	20.5	30.7

