

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
 Data File : BM006983.D
 Acq On : 08 Aug 2016 08:12
 Operator : UM/SJ
 Sample : H4301-12
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0F3

Manual Integrations
 APPROVED

sohil
 8/8/2016 7:09:09 PM

Quant Time: Aug 08 16:36:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 15:12:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	272493	20.00	ng/ul	0.00
7) Naphthalene-d8	10.33	136	1202989	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.21	164	725034	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1711960	20.00	ng/ul	0.00
29) Chrysene-d12	21.18	240	1522613	20.00	ng/ul	0.00
34) Perylene-d12	23.37	264	1450459	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.08	96	7896	1.32	ng/uL	0.00
3) Phenol-d5	6.77	99	418057	16.18	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	280339	17.30	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	331725	17.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	300741	13.95	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	175191	19.61	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	196600	18.37	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	357640	17.63	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	200530	8.28	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1157138	18.14	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1441820	19.54	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	125811	13.59	ng/ul	0.02
21) Fluorene-d10	15.21	176	1029215	18.98	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.38	200	75551	10.69	ng/ul	0.00
26) Anthracene-d10	17.07	188	1627065	19.67	ng/ul	0.00
30) Pyrene-d10	19.38	212	1716176	23.65	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.23	264	1354001	19.60	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.01	178	342615	3.58	ng/ul	99
28) Fluoranthene	19.04	202	745551	6.40	ng/ul	97
31) Pyrene	19.41	202	640763	6.77	ng/ul	99
32) Benzo(a)anthracene	21.17	228	361250	4.00	ng/ul#	94
33) Chrysene	21.22	228	366626	4.61	ng/ul#	93
35) Benzo(b)fluoranthene	22.72	252	560128	5.92	ng/ul#	94
36) Benzo(k)fluoranthene	22.76	252	154412m	1.69	ng/ul	
38) Benzo(a)pyrene	23.28	252	370908	4.32	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.57	276	287173	3.30	ng/ul	97
41) Benzo(g,h,i)perylene	26.24	276	281426	4.10	ng/ul#	94

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

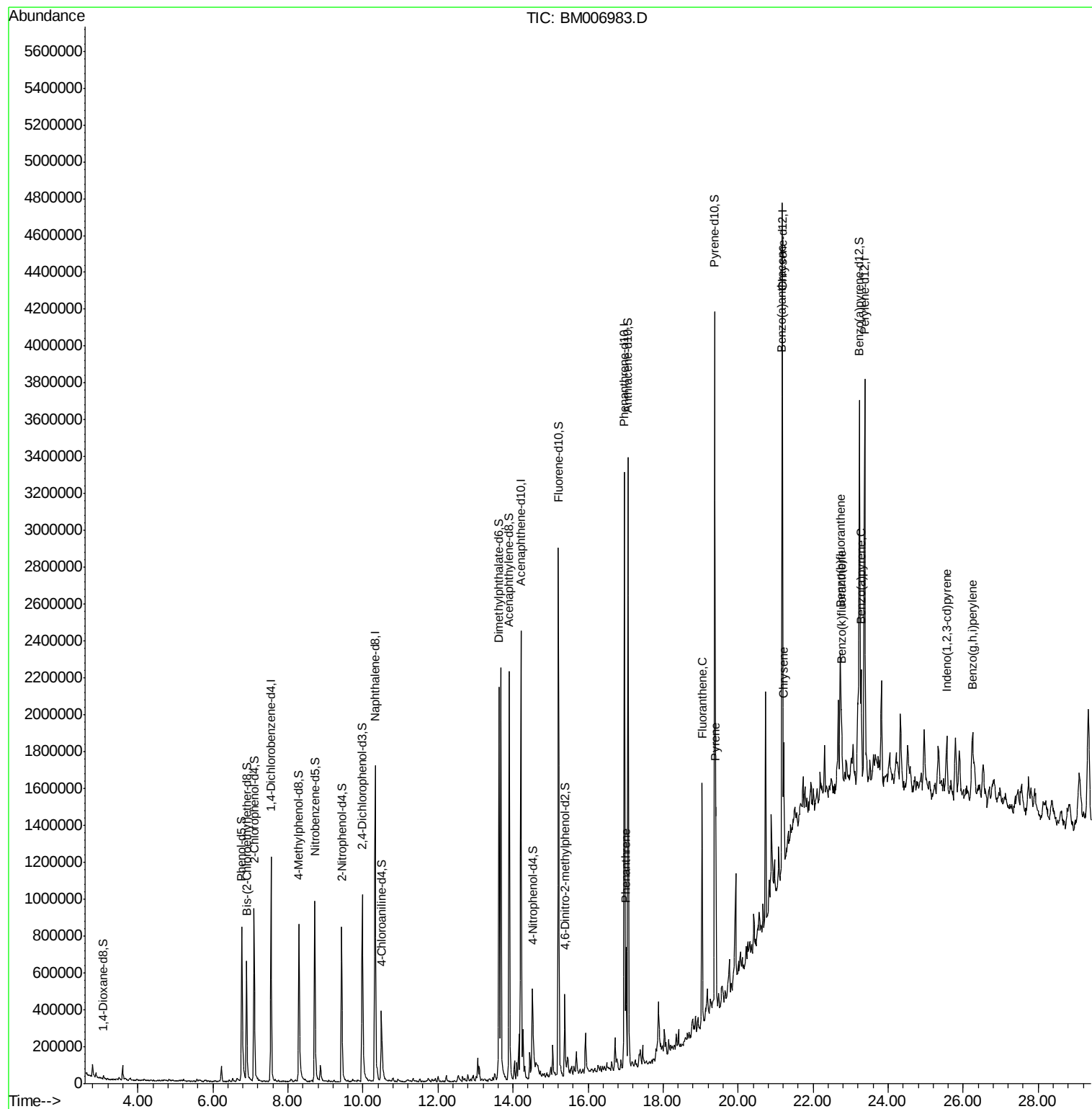
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
Data File : BM006983.D
Acq On : 08 Aug 2016 08:12
Operator : UM/SJ
Sample : H4301-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

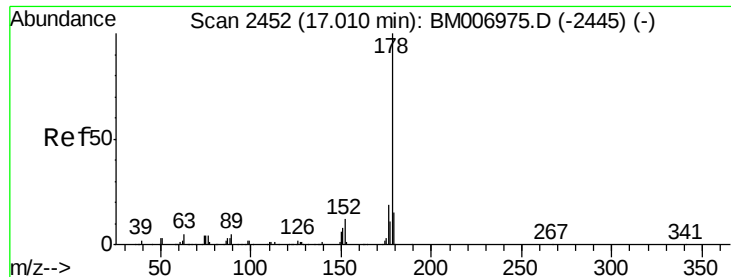
Instrument :
BNA_M
ClientSampleId :
DA0F3

Manual Integrations
APPROVED

sohil
8/8/2016 7:09:09 PM

Quant Time: Aug 08 16:36:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.58 ng/ul

RT: 17.01 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

Instrument :

BNA_M

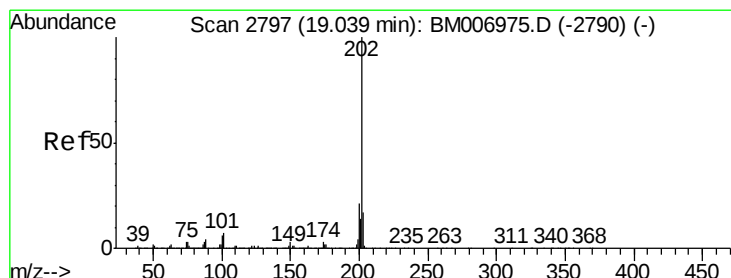
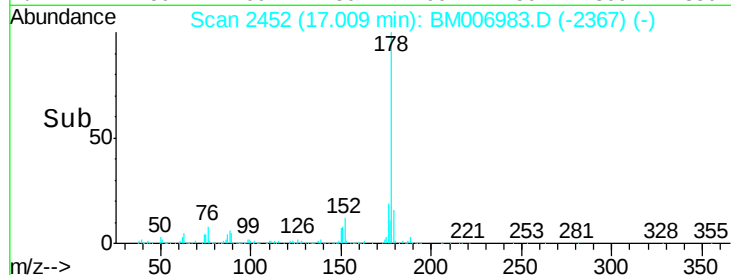
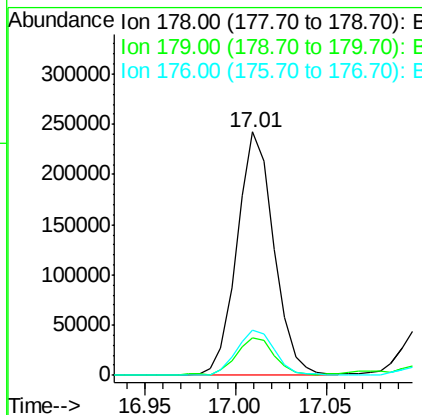
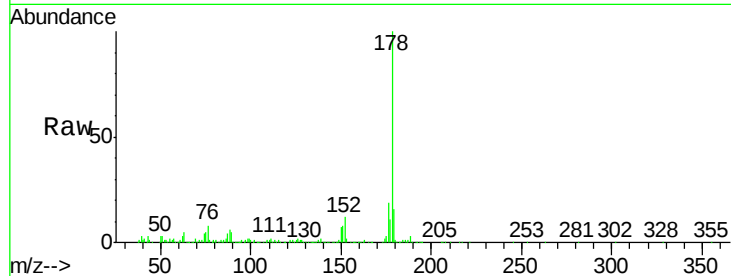
ClientSampleId :

DA0F3

Tgt Ion:	178	Resp:	342615
Ion Ratio		Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.8	15.0	22.4

Manual Integrations
APPROVED

sohil
8/8/2016 7:09:09 PM



#28

Fluoranthene

Concen: 6.40 ng/ul

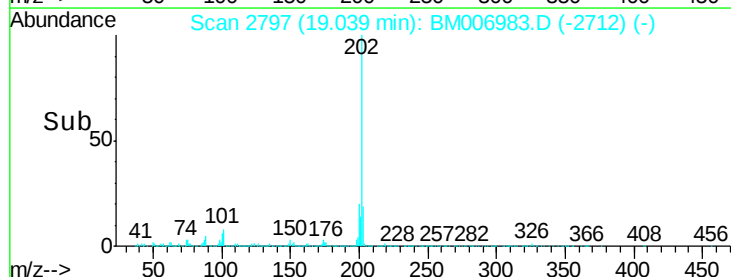
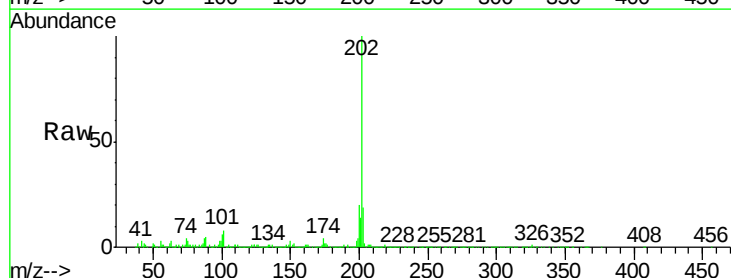
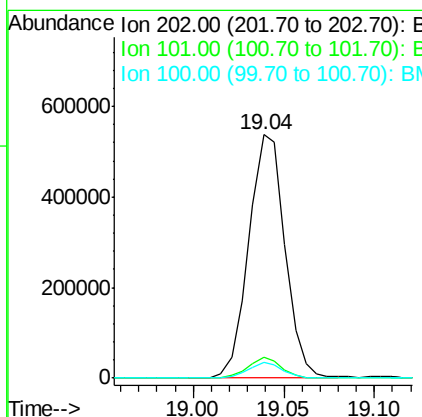
RT: 19.04 min Scan# 2797

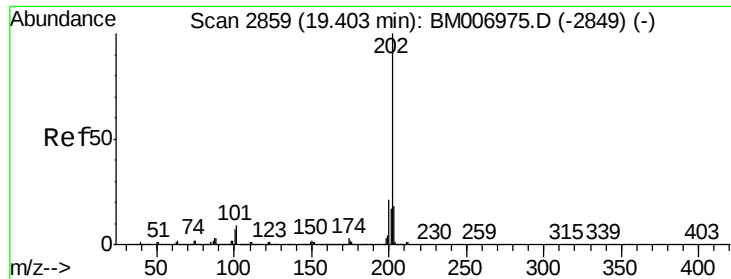
Delta R.T. -0.00 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

Tgt Ion:	202	Resp:	745551
Ion Ratio		Lower	Upper
202	100		
101	8.3	5.6	8.4
100	6.3	4.2	6.4





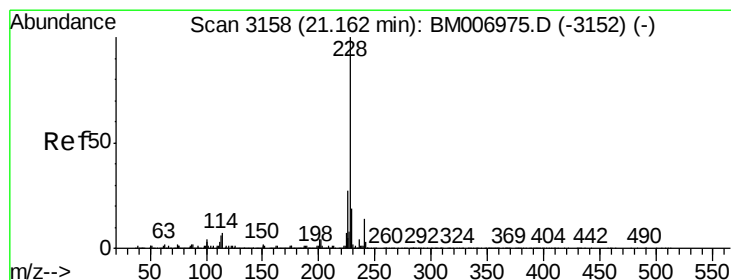
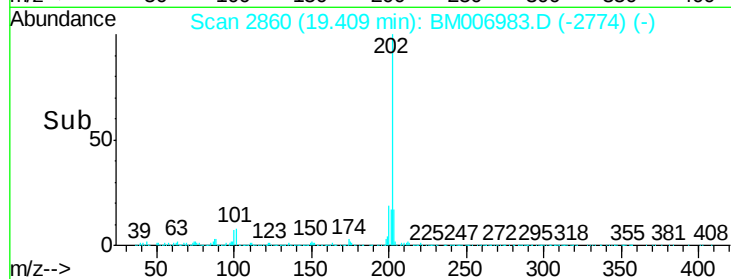
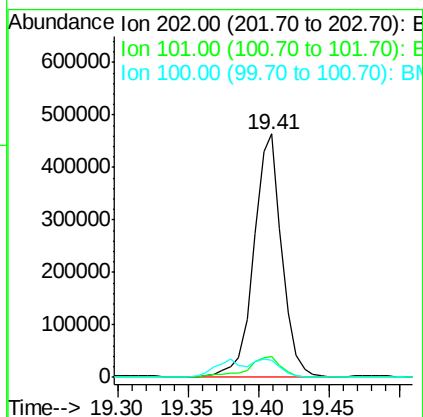
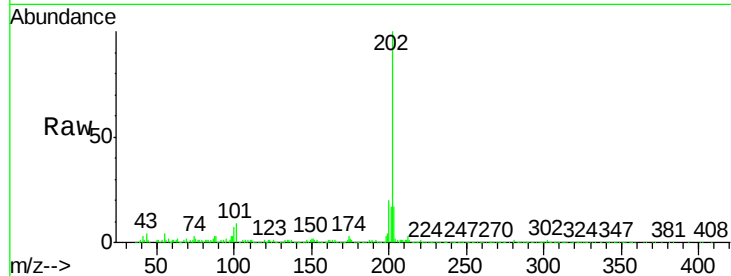
#31
Pyrene
Concen: 6.77 ng/ul
RT: 19.41 min Scan# 2860
Delta R.T. 0.01 min
Lab File: BM006983.D
Acq: 08 Aug 2016 08:12

Instrument :
BNA_M
ClientSampleId :
DA0F3

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.5	6.4	9.6
100	7.2	5.4	8.2

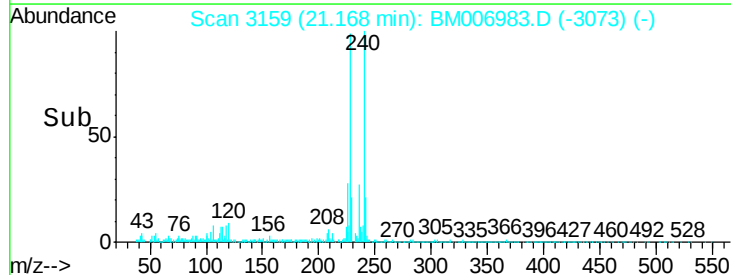
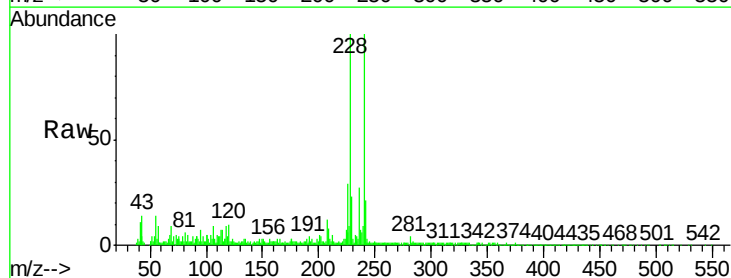
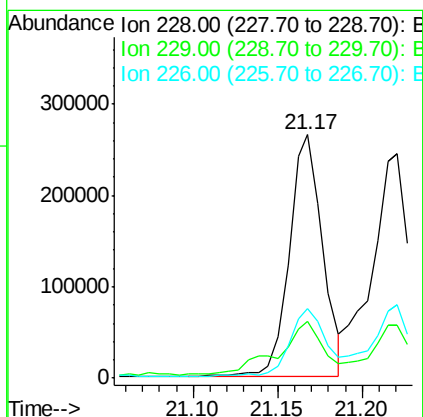
Manual Integrations
APPROVED

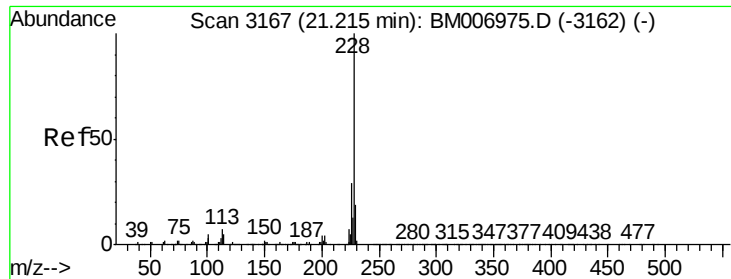
sohil
8/8/2016 7:09:09 PM



#32
Benzo(a)anthracene
Concen: 4.00 ng/ul
RT: 21.17 min Scan# 3159
Delta R.T. 0.01 min
Lab File: BM006983.D
Acq: 08 Aug 2016 08:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.1	15.2	22.8#
226	28.7	21.3	31.9





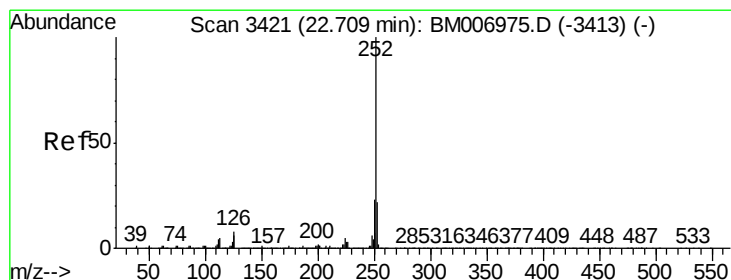
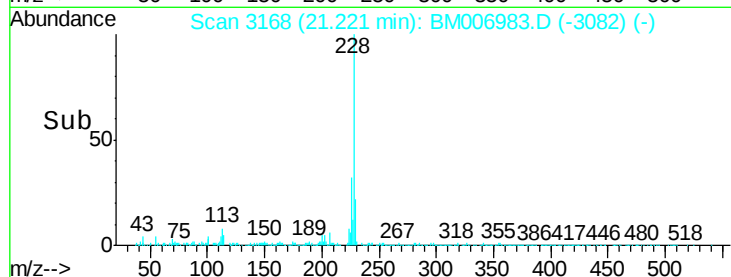
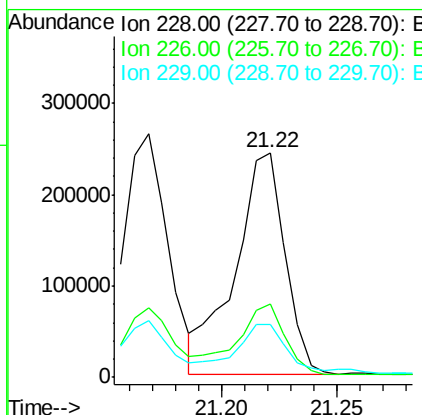
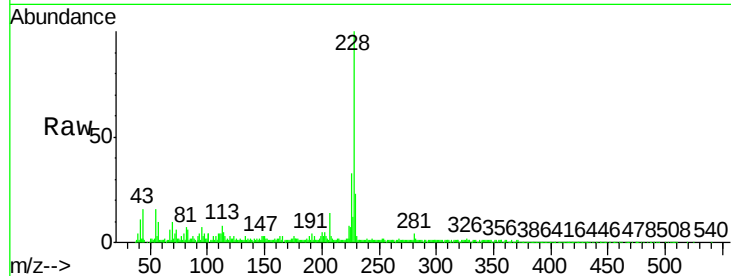
#33
Chrysene
Concen: 4.61 ng/ul
RT: 21.22 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BM006983.D
Acq: 08 Aug 2016 08:12

Instrument :
BNA_M
ClientSampleId :
DA0F3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	366626		
226	32.7	23.8	35.6	
229	23.2	15.1	22.7#	

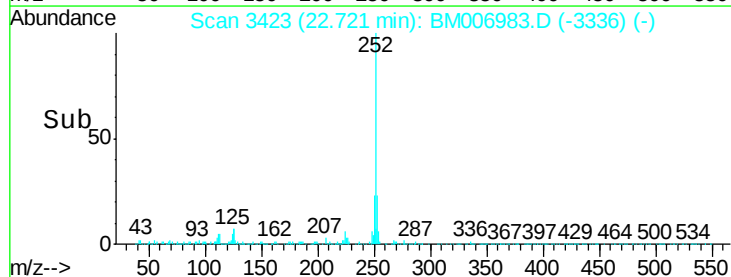
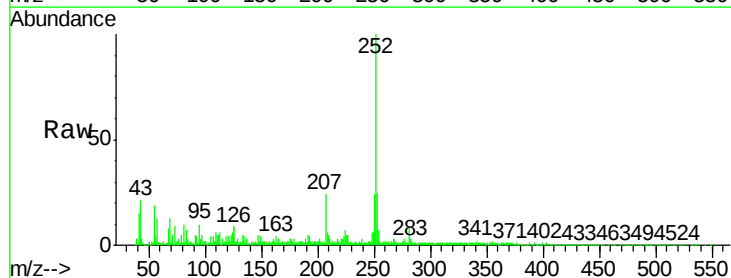
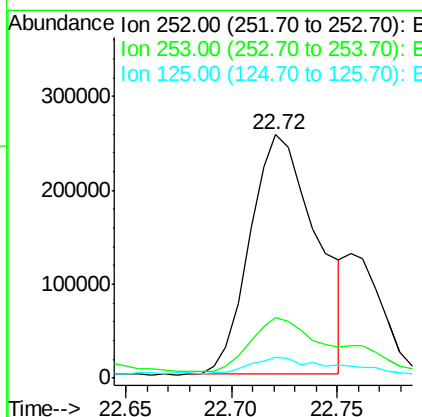
Manual Integrations
APPROVED

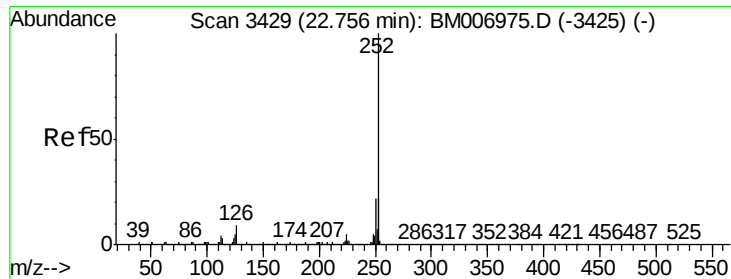
sohil
8/8/2016 7:09:09 PM



#35
Benzo(b)fluoranthene
Concen: 5.92 ng/ul
RT: 22.72 min Scan# 3423
Delta R.T. 0.01 min
Lab File: BM006983.D
Acq: 08 Aug 2016 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	560128		
253	24.6	17.6	26.4	
125	8.7	5.1	7.7#	





#36

Benzo(k)fluoranthene

Concen: 1.69 ng/ul m

RT: 22.76 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

Instrument :

BNA_M

ClientSampleId :

DA0F3

Tgt Ion: 252 Resp: 154412

Ion Ratio Lower Upper

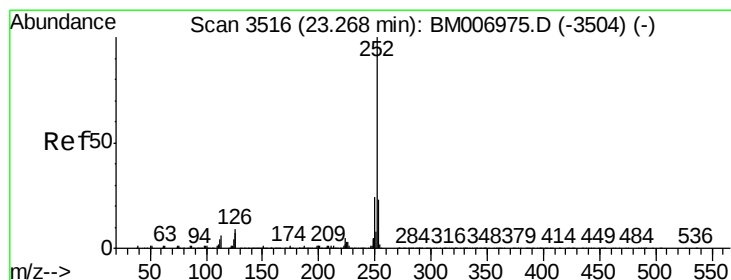
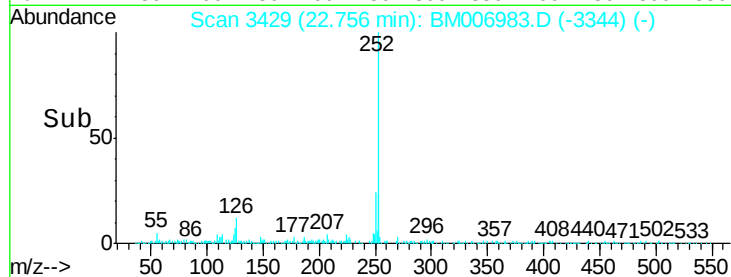
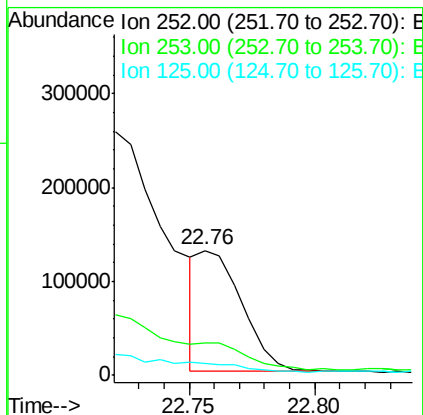
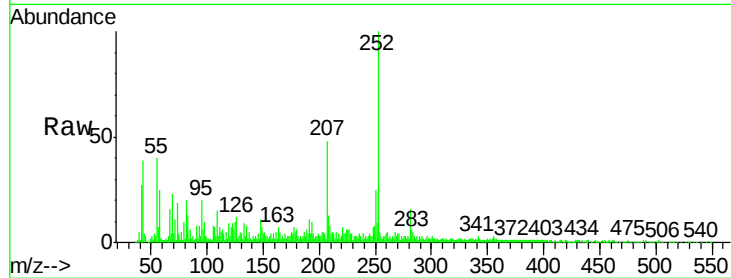
252 100

253 25.9 17.2 25.8#

125 10.1 5.1 7.7#

Manual Integrations
APPROVED

sohil
8/8/2016 7:09:09 PM



#38

Benzo(a)pyrene

Concen: 4.32 ng/ul

RT: 23.28 min Scan# 3518

Delta R.T. 0.01 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

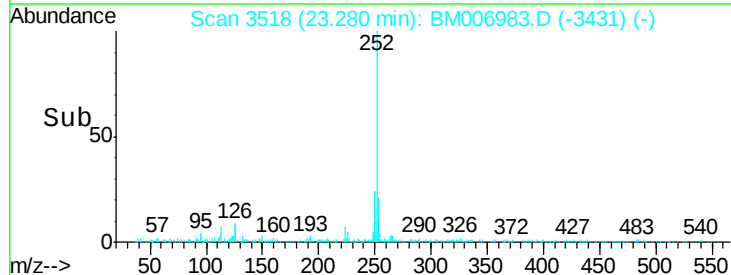
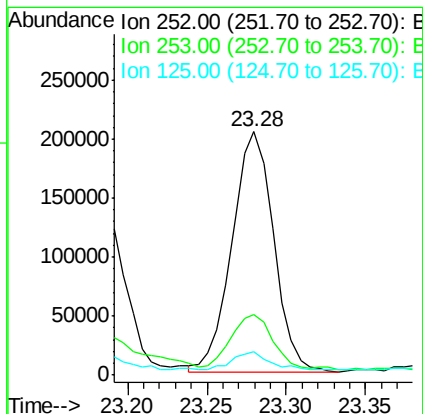
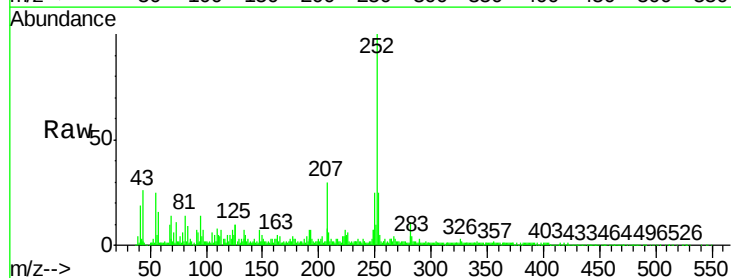
Tgt Ion: 252 Resp: 370908

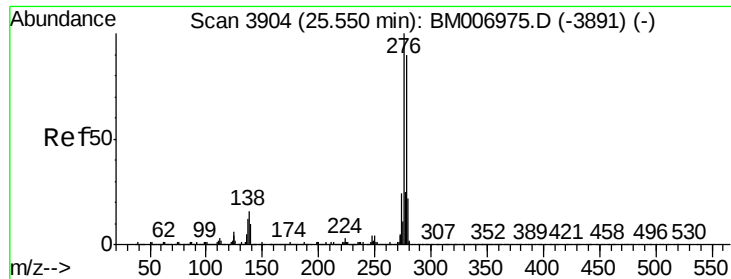
Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

125 9.6 5.6 8.4#





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.30 ng/ul

RT: 25.57 min Scan# 3907

Delta R.T. 0.02 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

Instrument :

BNA_M

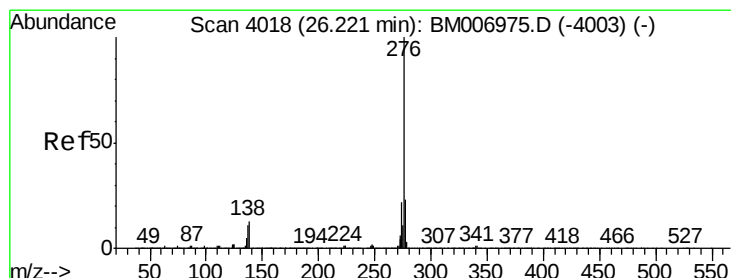
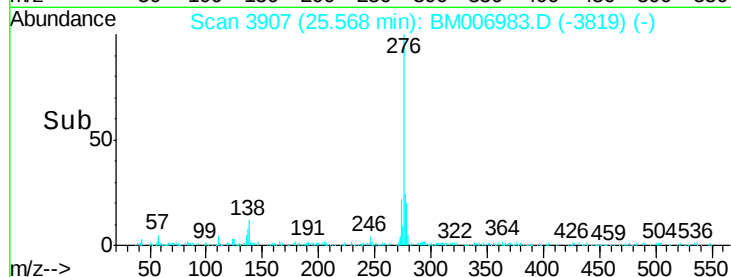
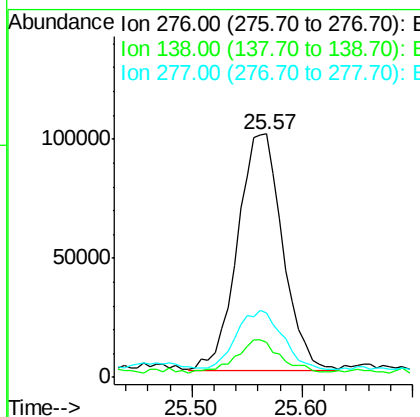
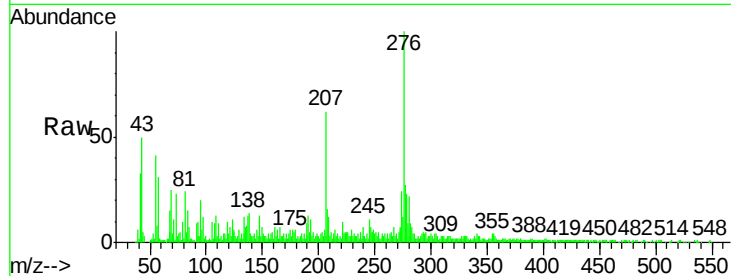
ClientSampleId :

DA0F3

Tgt Ion:	276	Resp:	287173
Ion Ratio	Lower	Upper	
276	100		
138	14.4	12.6	19.0
277	26.5	20.3	30.5

Manual Integrations
APPROVED

sohil
8/8/2016 7:09:09 PM



#41

Benzo(g,h,i)perylene

Concen: 4.10 ng/ul

RT: 26.24 min Scan# 4021

Delta R.T. 0.02 min

Lab File: BM006983.D

Acq: 08 Aug 2016 08:12

Tgt Ion:	276	Resp:	281426
Ion Ratio	Lower	Upper	
276	100		
138	16.4	10.9	16.3#
277	25.9	18.6	27.8

