

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006035.D
 Acq On : 26 Jun 2016 12:00
 Operator : UM/SJ
 Sample : H3669-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y65

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:05:48 PM

Quant Time: Jun 27 05:25:28 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	161707	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	830453	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	573463	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1481199	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1865999	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1857568	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	4577	1.26	ng/uL	0.00
3) Phenol-d5	6.82	99	214935	12.63	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	128815	13.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	156683	13.22	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	168046	11.70	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	80652	12.76	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	88753	12.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	186034	13.78	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	196103	13.39	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	655428	13.35	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	811125	14.25	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	111099	10.61	ng/ul	0.00
21) Fluorene-d10	15.30	176	617432	14.73	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	77218	9.39	ng/ul	0.00
26) Anthracene-d10	17.15	188	1007205	14.80	ng/ul	0.00
30) Pyrene-d10	19.45	212	1238388	15.15	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1244938	14.84	ng/ul	0.00

Target Compounds

					Qvalue
25) Phenanthrene	17.09	178	124698	1.57 ng/ul	100
28) Fluoranthene	19.11	202	437105	4.28 ng/ul	98
31) Pyrene	19.47	202	370637	3.47 ng/ul	98
32) Benzo(a)anthracene	21.23	228	279025	2.52 ng/ul	97
33) Chrysene	21.28	228	312125	3.08 ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	471266	4.37 ng/ul#	95
36) Benzo(k)fluoranthene	22.83	252	147130m	1.47 ng/ul	
38) Benzo(a)pyrene	23.36	252	279558	2.70 ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.67	276	201440	1.63 ng/ul	97
41) Benzo(g,h,i)perylene	26.34	276	179012	1.68 ng/ul	97

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

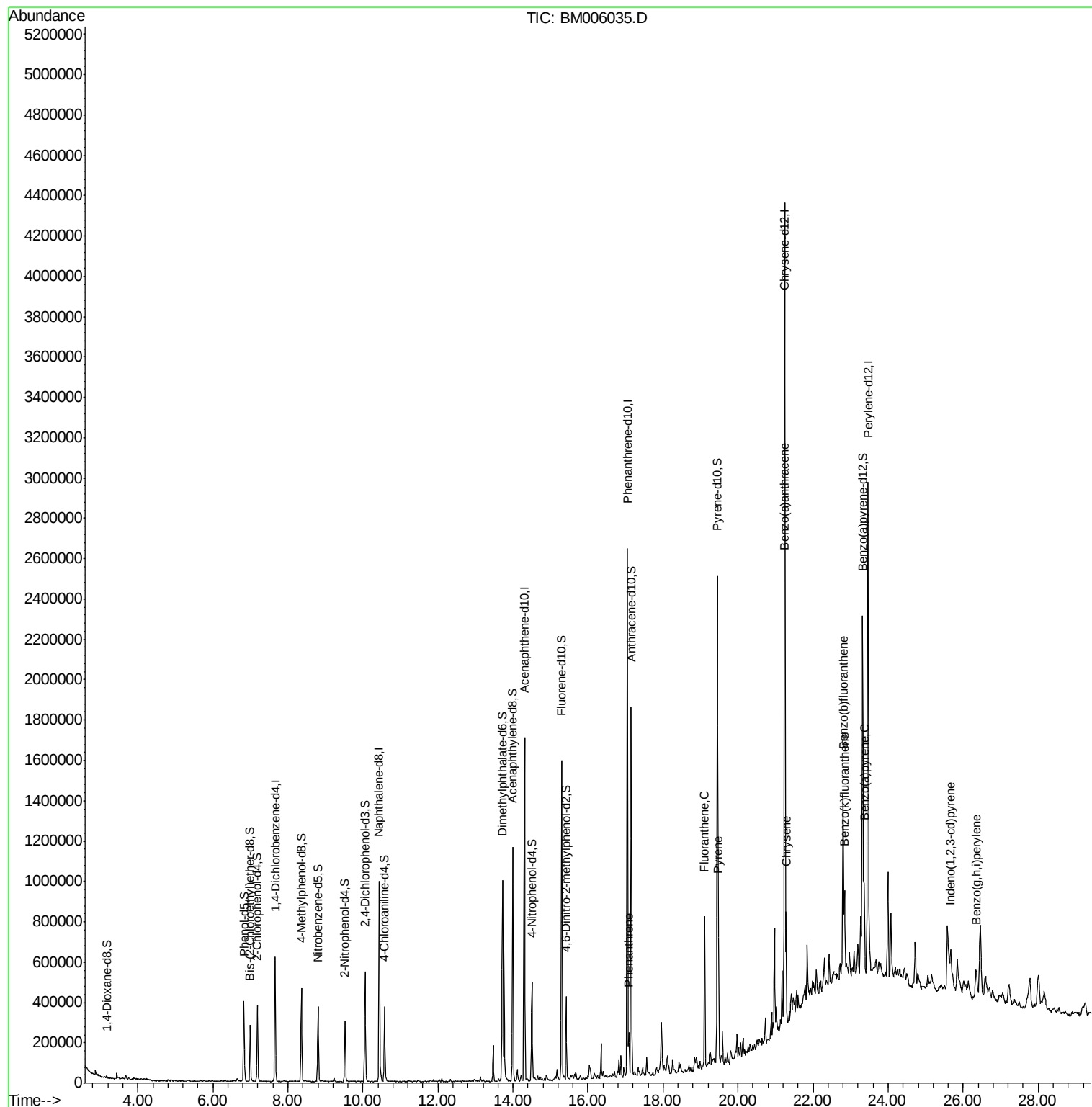
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006035.D
Acq On : 26 Jun 2016 12:00
Operator : UM/SJ
Sample : H3669-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

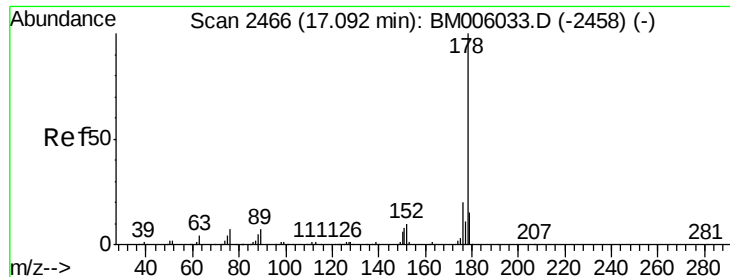
Instrument :
BNA_M
ClientSampleId :
D9Y65

Manual Integrations
APPROVED

sohil
6/27/2016 8:05:48 PM

Quant Time: Jun 27 05:25:28 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





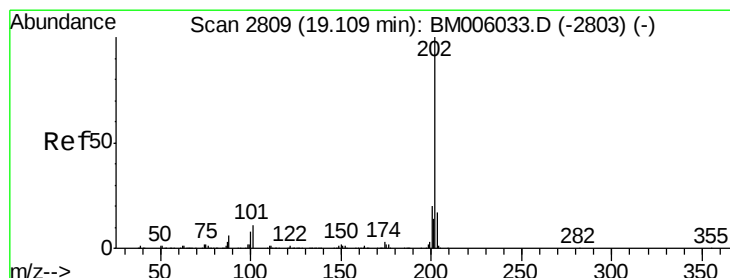
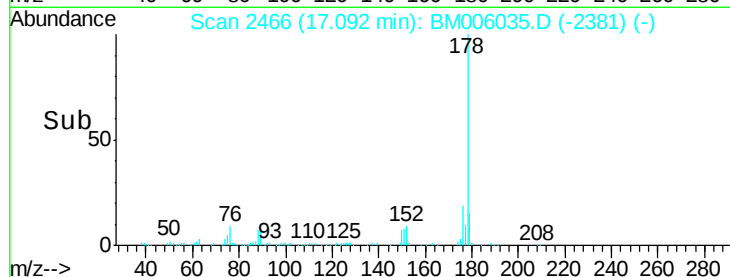
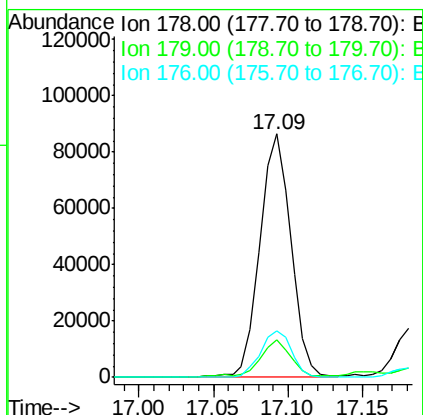
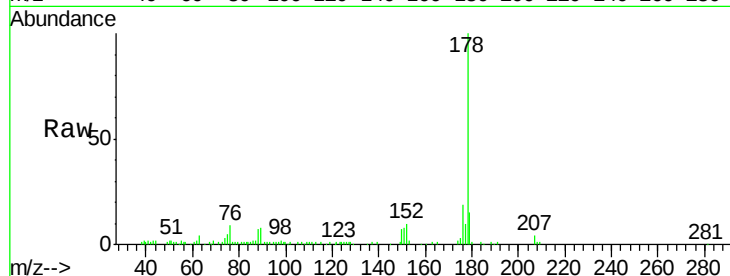
#25
Phenanthrene
Concen: 1.57 ng/ul
RT: 17.09 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BM006035.D
Acq: 26 Jun 2016 12:00

Instrument :
BNA_M
ClientSampleId :
D9Y65

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.4	12.1	18.1
176	19.1	15.4	23.0

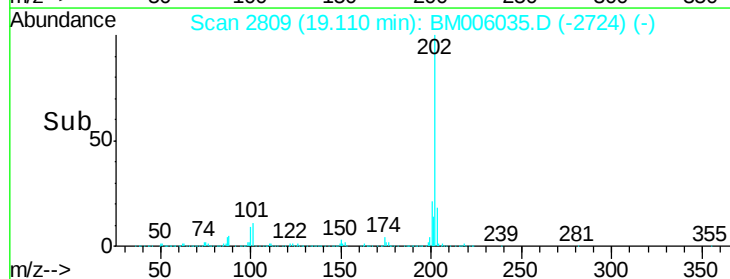
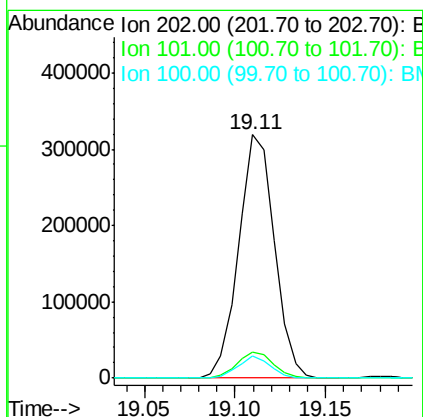
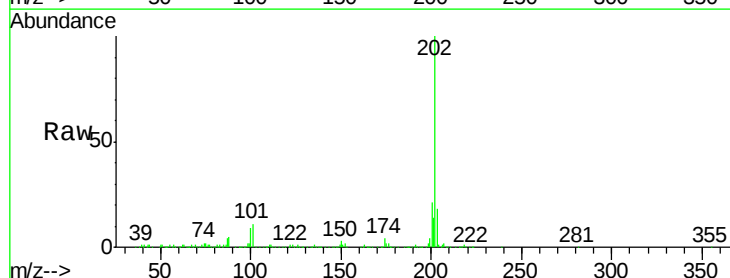
Manual Integrations
APPROVED

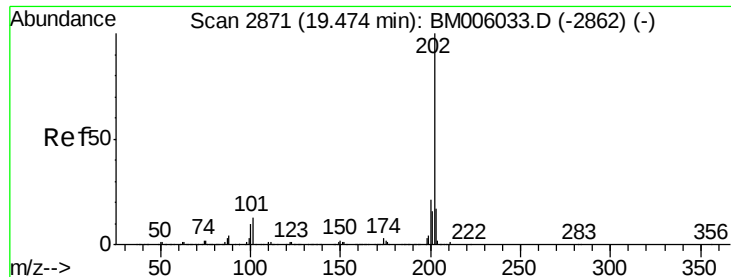
sohil
6/27/2016 8:05:48 PM



#28
Fluoranthene
Concen: 4.28 ng/ul
RT: 19.11 min Scan# 2809
Delta R.T. 0.00 min
Lab File: BM006035.D
Acq: 26 Jun 2016 12:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	8.2	12.4
100	9.0	6.3	9.5





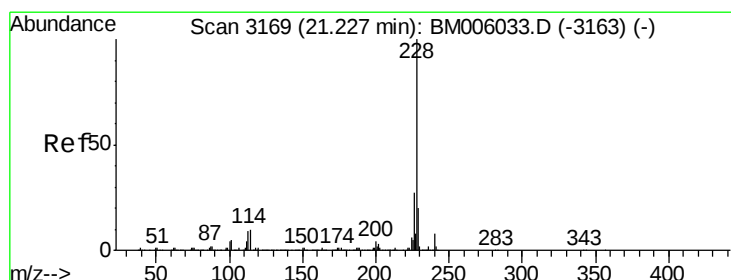
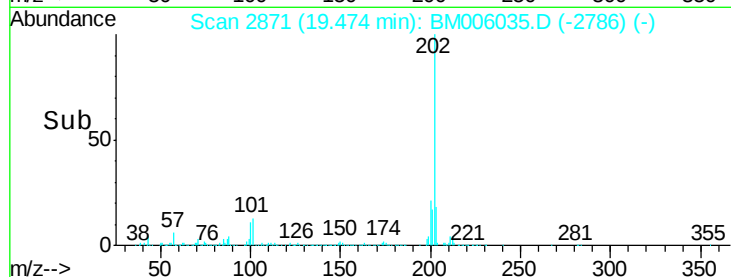
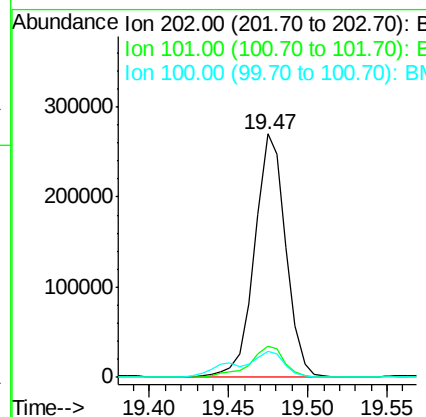
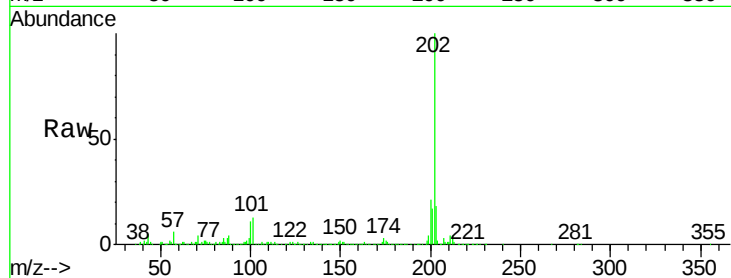
#31
 Pyrene
 Concen: 3.47 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: BM006035.D
 Acq: 26 Jun 2016 12:00

Instrument :
 BNA_M
 ClientSampleId :
 D9Y65

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	9.8	14.6
100	10.9	8.2	12.2

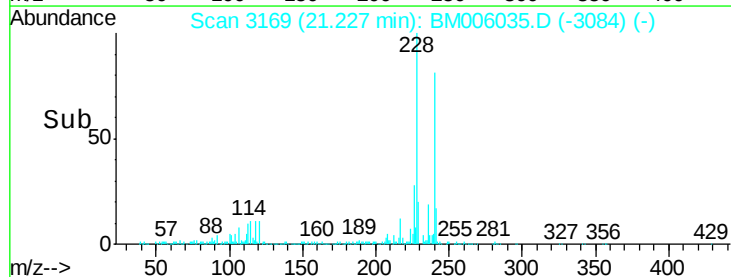
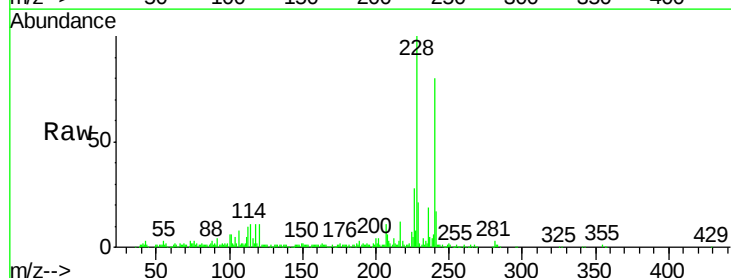
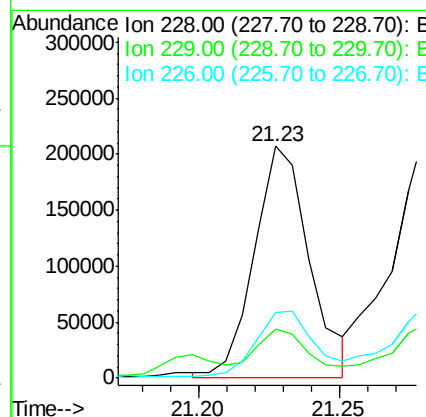
Manual Integrations
 APPROVED

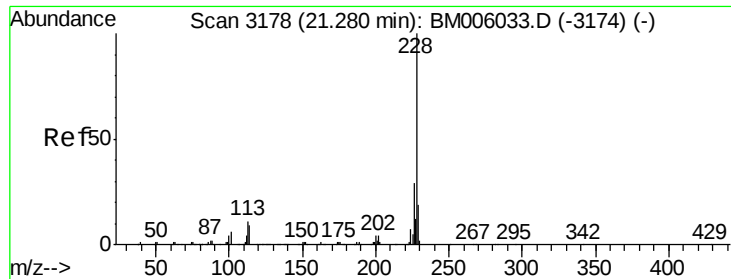
sohil
 6/27/2016 8:05:48 PM



#32
 Benzo(a)anthracene
 Concen: 2.52 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: BM006035.D
 Acq: 26 Jun 2016 12:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.4	15.8	23.6
226	28.2	21.5	32.3





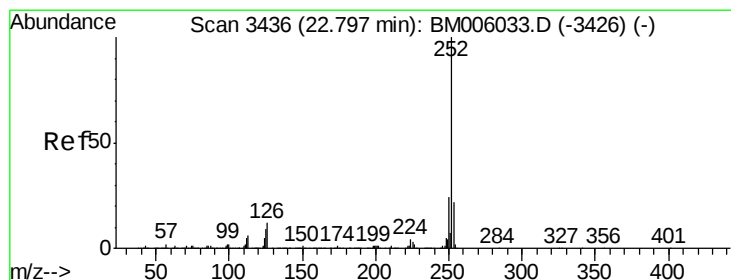
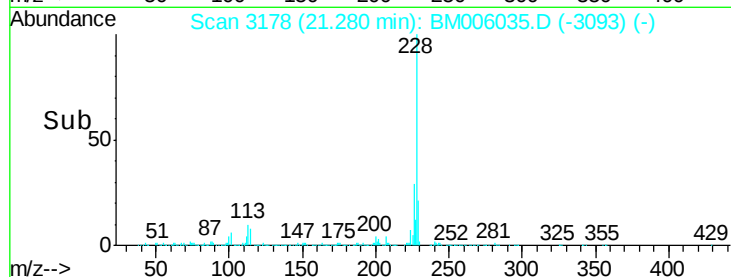
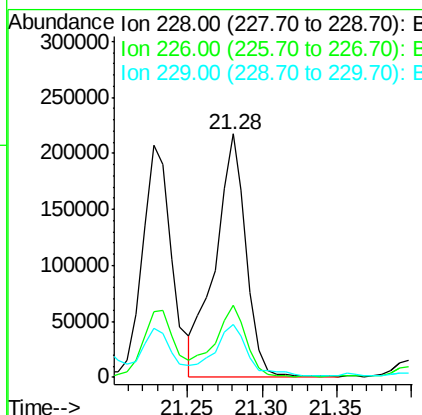
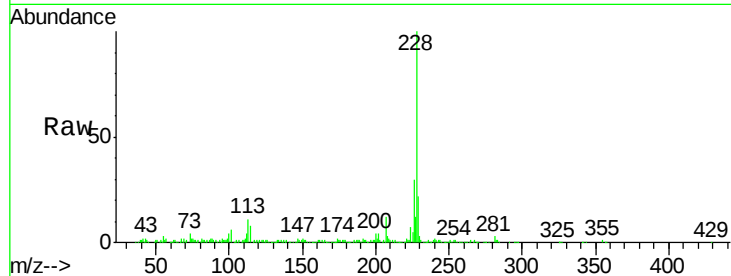
#33
Chrysene
Concen: 3.08 ng/ul
RT: 21.28 min Scan# 3178
Delta R.T. 0.00 min
Lab File: BM006035.D
Acq: 26 Jun 2016 12:00

Instrument :
BNA_M
ClientSampled :
D9Y65

Tgt Ion:	228	Resp:	312125
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.3	36.5
229	21.8	15.4	23.2

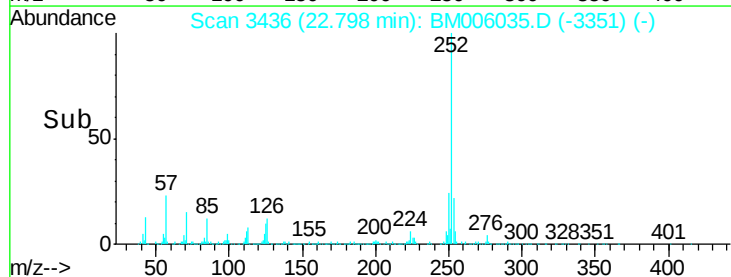
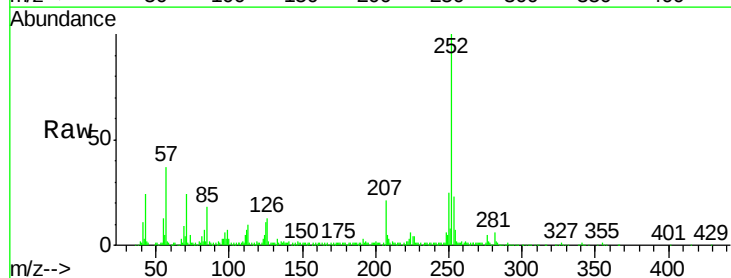
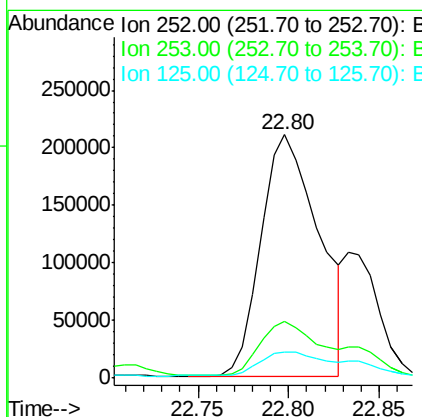
Manual Integrations
APPROVED

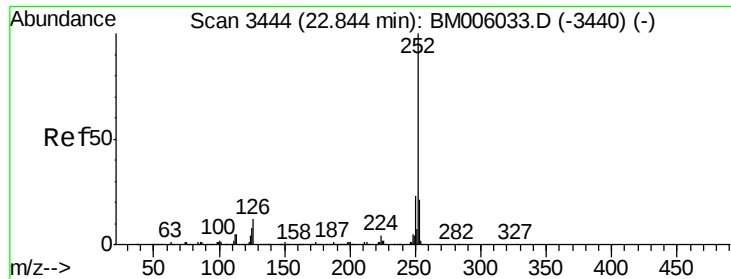
sohil
6/27/2016 8:05:48 PM



#35
Benzo(b)fluoranthene
Concen: 4.37 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. 0.00 min
Lab File: BM006035.D
Acq: 26 Jun 2016 12:00

Tgt Ion:	252	Resp:	471266
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	10.9	6.8	10.2#





#36

Benzo(k)fluoranthene

Concen: 1.47 ng/ul m

RT: 22.83 min Scan# 3442

Delta R.T. -0.01 min

Lab File: BM006035.D

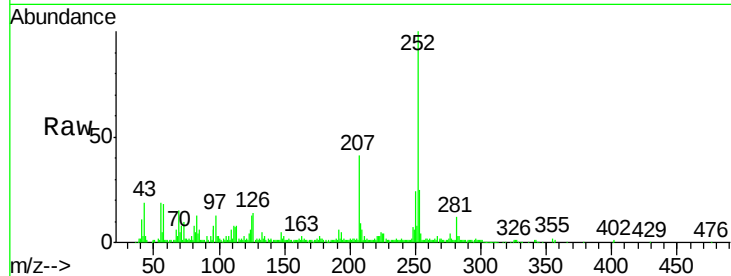
Acq: 26 Jun 2016 12:00

Instrument :

BNA_M

ClientSampleId :

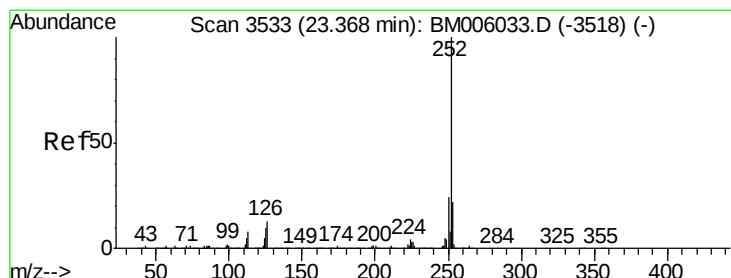
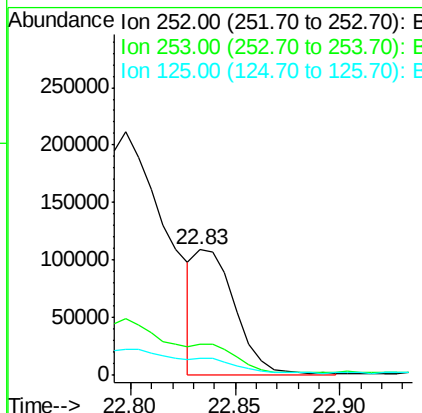
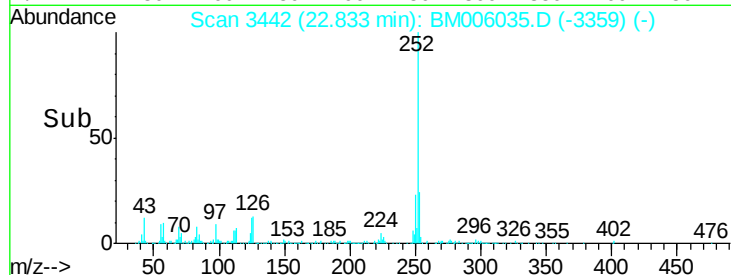
D9Y65



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	13.1	7.0	10.4

Manual Integrations
APPROVED

sohil
6/27/2016 8:05:48 PM



#38

Benzo(a)pyrene

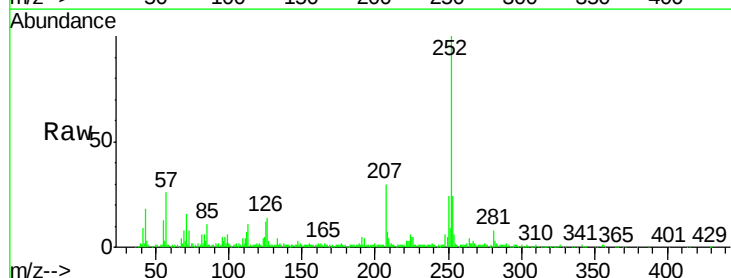
Concen: 2.70 ng/ul

RT: 23.36 min Scan# 3532

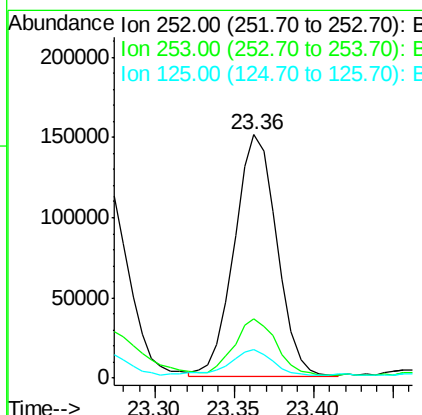
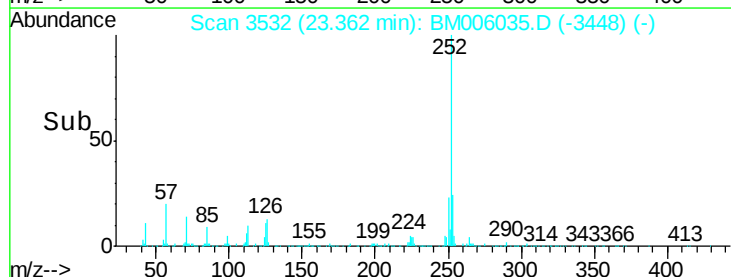
Delta R.T. -0.01 min

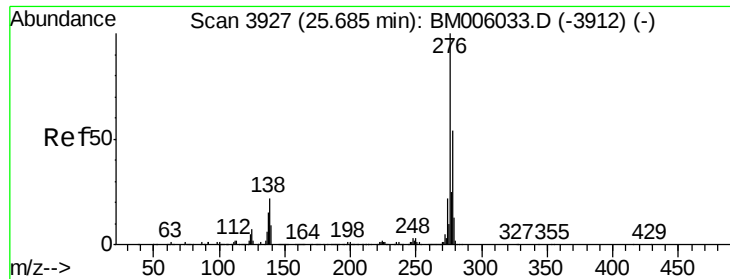
Lab File: BM006035.D

Acq: 26 Jun 2016 12:00



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	11.7	7.8	11.6





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.63 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006035.D

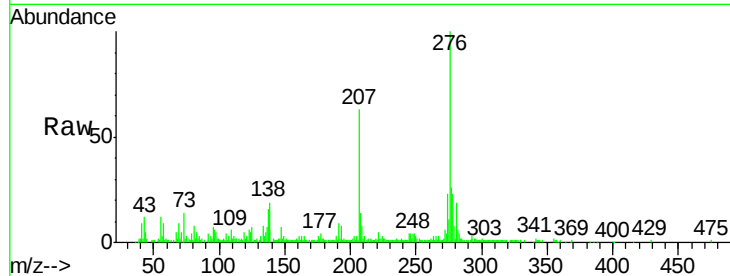
Acq: 26 Jun 2016 12:00

Instrument :

BNA_M

ClientSampleId :

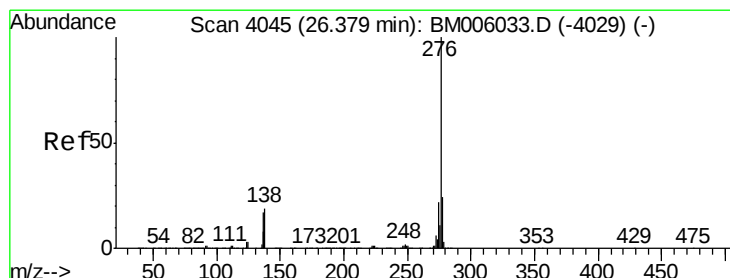
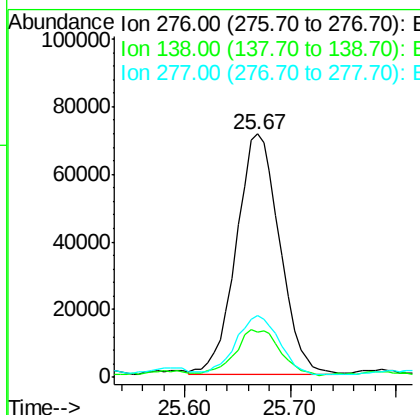
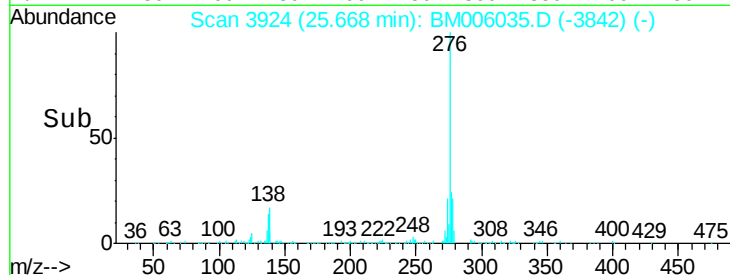
D9Y65



Tgt Ion:	276	Resp:	201440
Ion Ratio	Lower	Upper	
276	100		
138	18.6	16.6	25.0
277	25.5	19.6	29.4

Manual Integrations
APPROVED

sohil
6/27/2016 8:05:48 PM



#41

Benzo(g,h,i)perylene

Concen: 1.68 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.03 min

Lab File: BM006035.D

Acq: 26 Jun 2016 12:00

Tgt Ion:	276	Resp:	179012
Ion Ratio	Lower	Upper	
276	100		
138	21.7	15.9	23.9
277	22.9	19.2	28.8

