

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006790.D
 Acq On : 31 Jul 2016 15:33
 Operator : UM/SJ
 Sample : H4190-03
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZN2

Manual Integrations
 APPROVED

sohil
 8/1/2016 7:06:42 PM

Quant Time: Aug 01 07:20:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 01 06:36:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	167102	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	762007	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	424358	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	962594	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1117058	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1169629	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	1542	0.37	ng/uL	0.00
3) Phenol-d5	6.79	99	70591	4.97	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	51567	5.86	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	59284	5.22	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	45964	4.17	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	29062	5.04	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	31436	5.12	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	58239	5.02	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	62923	4.93	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	200874	6.04	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	252277	5.94	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	19165	3.32	ng/ul	0.02
21) Fluorene-d10	15.26	176	187126	6.29	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	15707	3.14	ng/ul	0.00
26) Anthracene-d10	17.10	188	282027	6.17	ng/ul	0.00
30) Pyrene-d10	19.41	212	329048	6.46	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	346285	6.44	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.05	178	163083	3.01	ng/ul	99
28) Fluoranthene	19.07	202	374580	5.89	ng/ul	99
31) Pyrene	19.44	202	321311	4.75	ng/ul	98
32) Benzo(a)anthracene	21.20	228	206786	3.05	ng/ul	98
33) Chrysene	21.24	228	212049	3.40	ng/ul	95
35) Benzo(b)fluoranthene	22.76	252	312566	4.46	ng/ul	99
36) Benzo(k)fluoranthene	22.79	252	106508m	1.57	ng/ul	
38) Benzo(a)pyrene	23.31	252	195569	2.87	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	143519	1.82	ng/ul	96
41) Benzo(g,h,i)perylene	26.28	276	121389	1.79	ng/ul	96

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

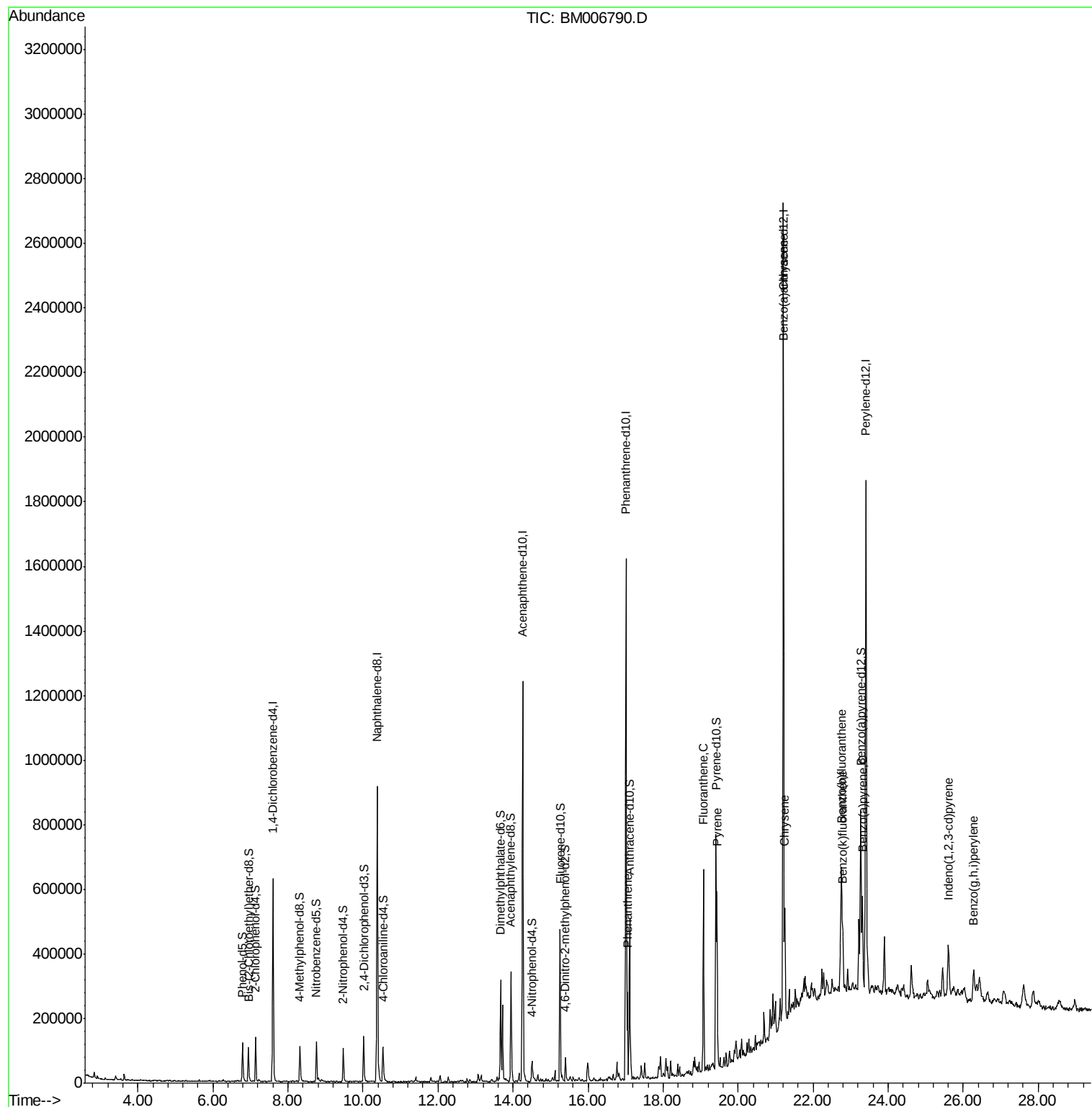
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
Data File : BM006790.D
Acq On : 31 Jul 2016 15:33
Operator : UM/SJ
Sample : H4190-03
Misc :
ALS Vial : 59 Sample Multiplier: 1

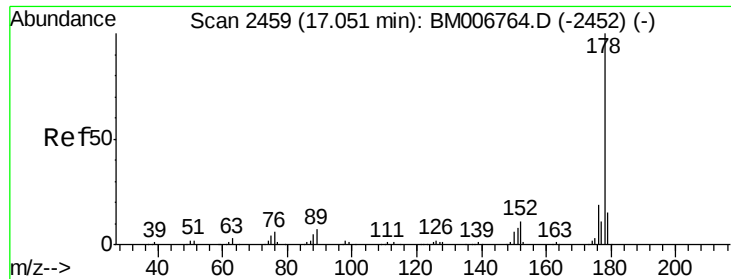
Instrument :
BNA_M
ClientSampleId :
D9ZN2

Quant Time: Aug 01 07:20:28 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 01 06:36:47 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
8/1/2016 7:06:42 PM





#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006790.D

Acq: 31 Jul 2016 15:33

Instrument :

BNA_M

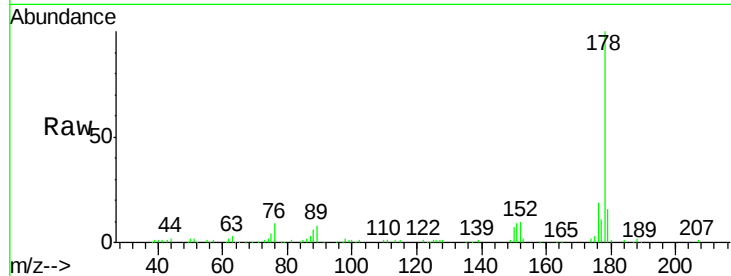
ClientSampleId :

D9ZN2

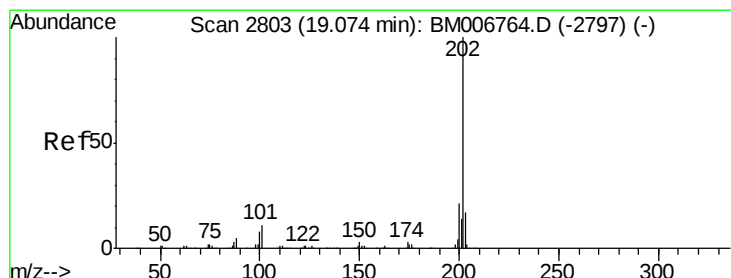
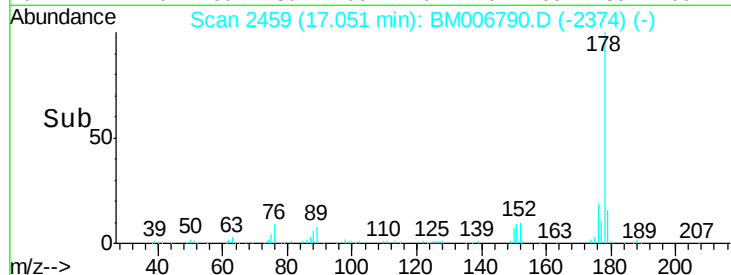
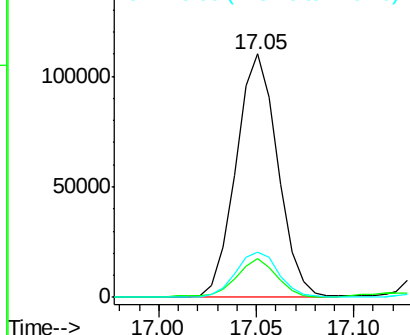
Tgt Ion:	178	Resp:	163083
Ion Ratio	Lower	Upper	
178	100		
179	15.8	11.8	17.8
176	18.8	14.8	22.2

Manual Integrations
APPROVED

sohil
8/1/2016 7:06:42 PM



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



#28

Fluoranthene

Concen: 5.89 ng/ul

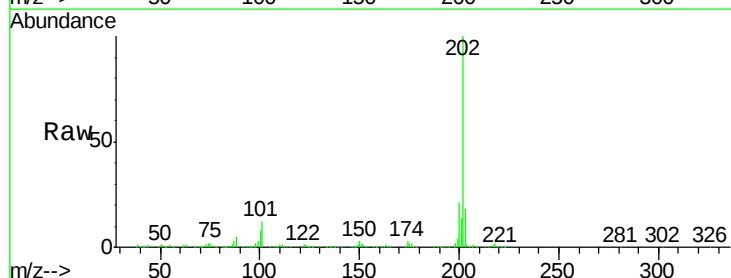
RT: 19.07 min Scan# 2803

Delta R.T. 0.00 min

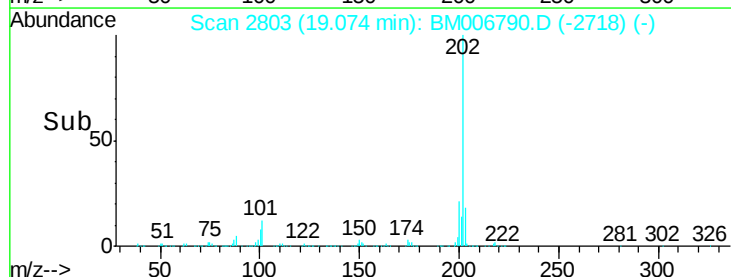
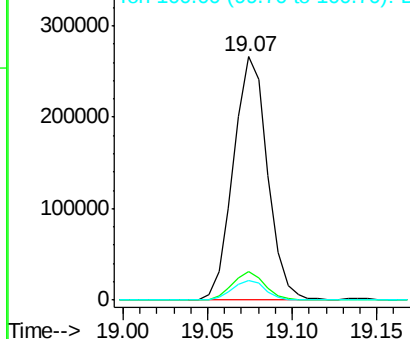
Lab File: BM006790.D

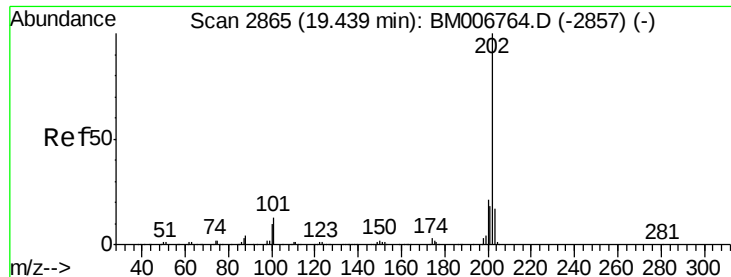
Acq: 31 Jul 2016 15:33

Tgt Ion:	202	Resp:	374580
Ion Ratio	Lower	Upper	
202	100		
101	11.5	8.9	13.3
100	8.1	7.0	10.4



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





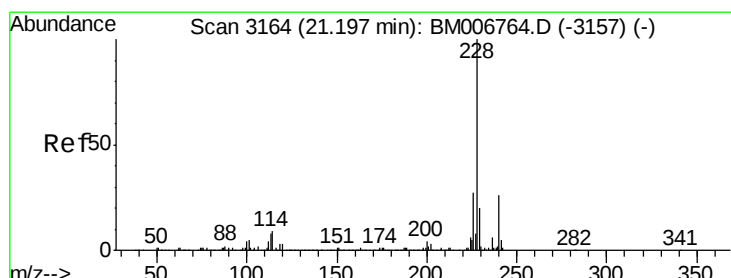
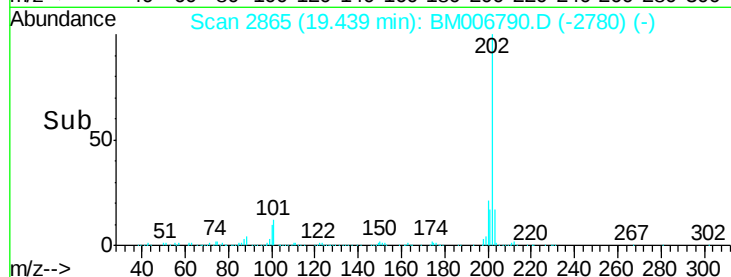
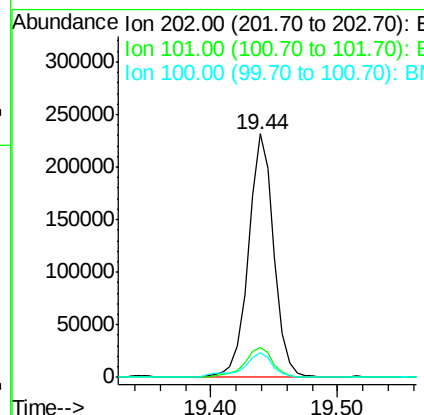
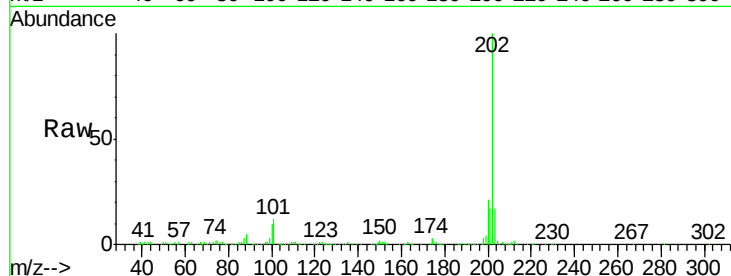
#31
 Pyrene
 Concen: 4.75 ng/ul
 RT: 19.44 min Scan# 2865
 Delta R.T. 0.00 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Instrument :
 BNA_M
 ClientSampleId :
 D9ZN2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.2	9.8	14.8
100	10.4	9.3	13.9

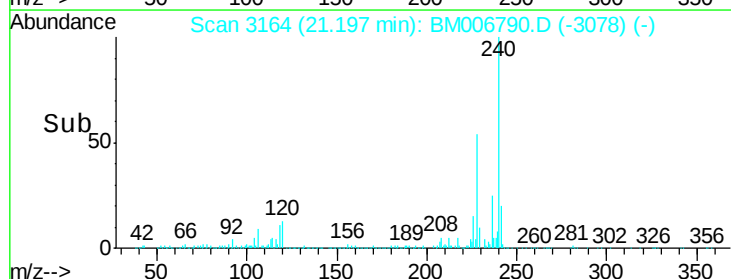
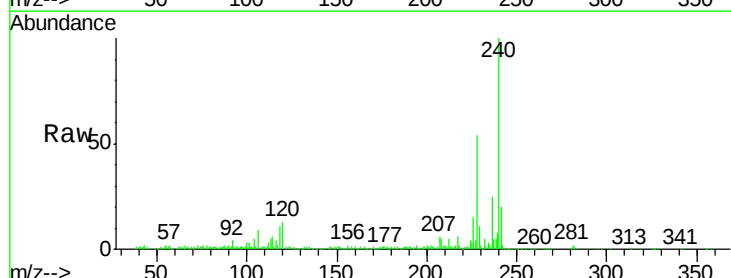
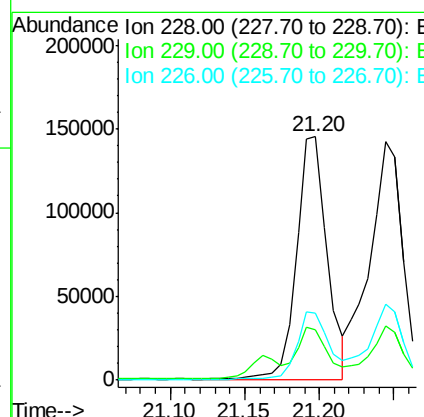
Manual Integrations
 APPROVED

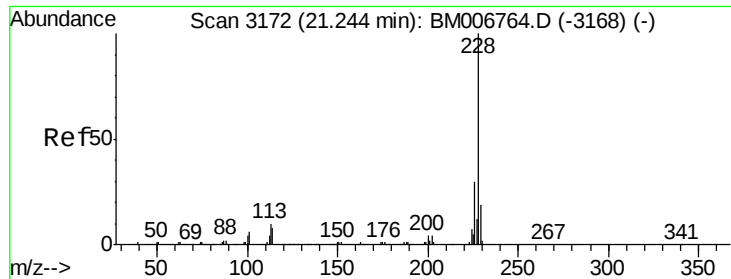
sohil
 8/1/2016 7:06:42 PM



#32
 Benzo(a)anthracene
 Concen: 3.05 ng/ul
 RT: 21.20 min Scan# 3164
 Delta R.T. 0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.9	16.6	25.0
226	27.7	21.0	31.4





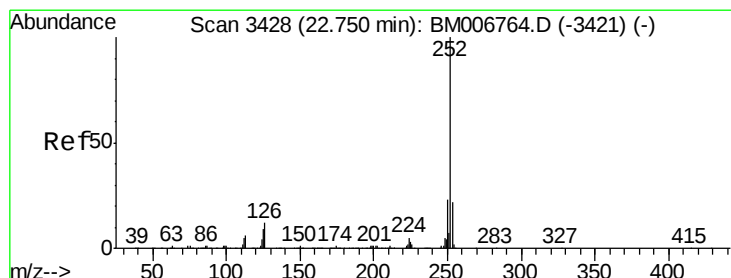
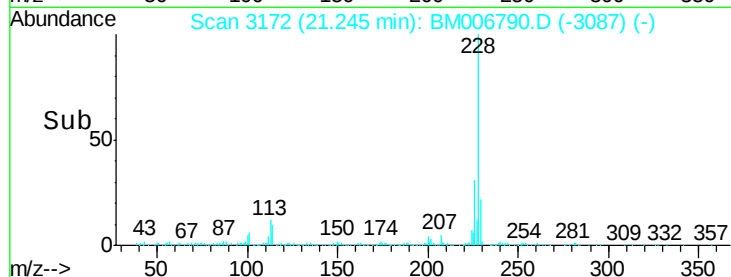
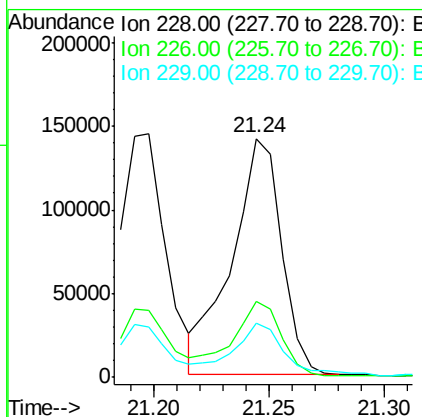
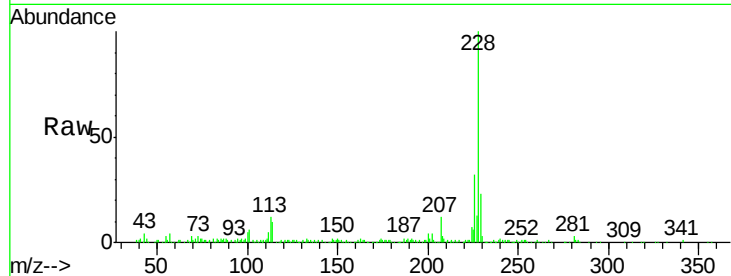
#33
Chrysene
 Concen: 3.40 ng/ul
 RT: 21.24 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Instrument :
 BNA_M
 ClientSampleId :
 D9ZN2

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.6	23.4	35.2
229	22.7	16.2	24.2

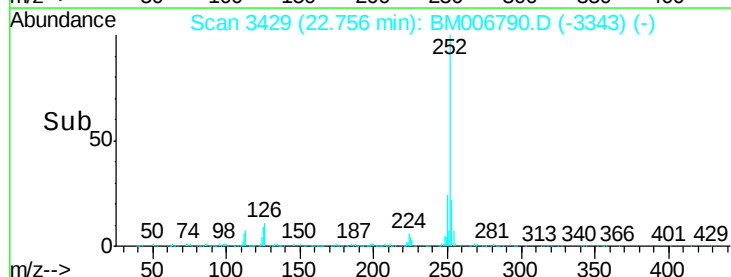
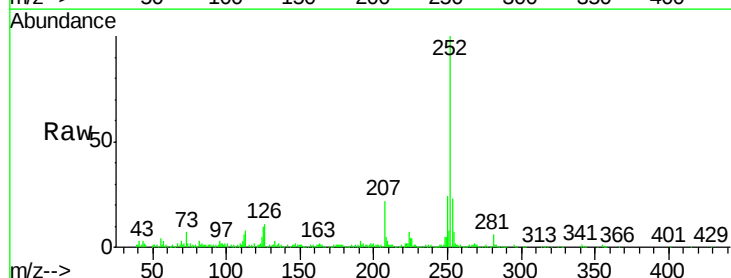
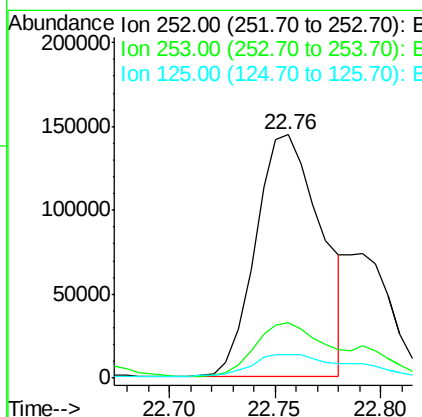
Manual Integrations
 APPROVED

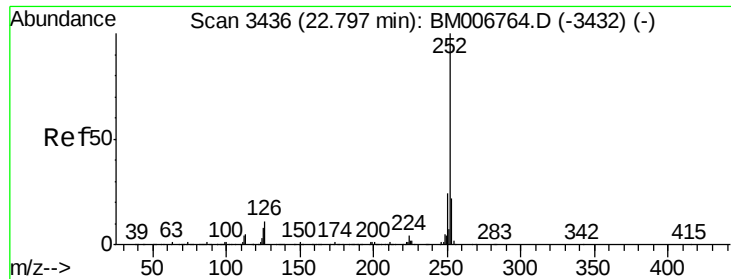
sohil
 8/1/2016 7:06:42 PM



#35
Benzo(b)fluoranthene
 Concen: 4.46 ng/ul
 RT: 22.76 min Scan# 3429
 Delta R.T. 0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	18.1	27.1
125	9.7	7.6	11.4





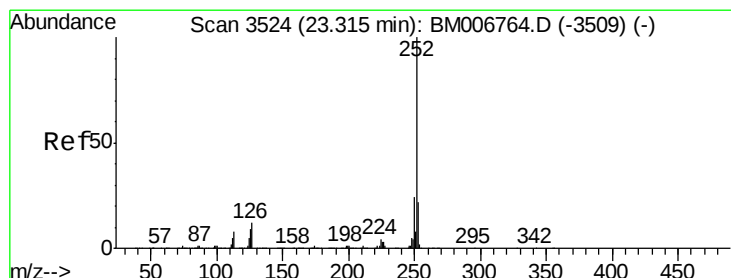
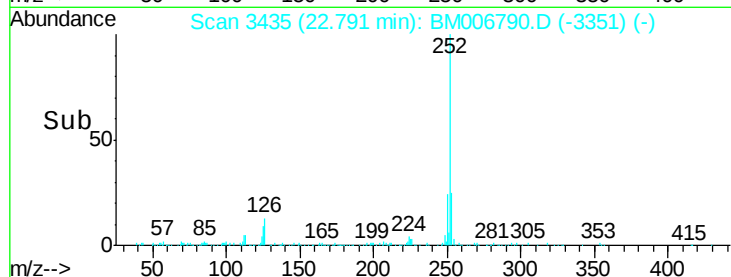
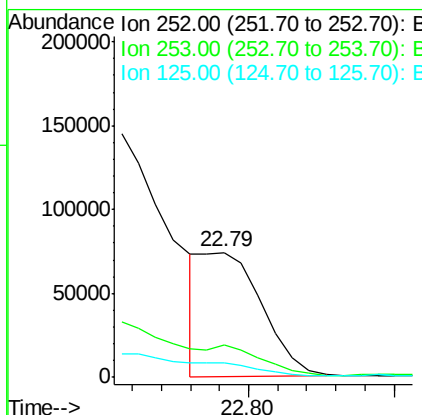
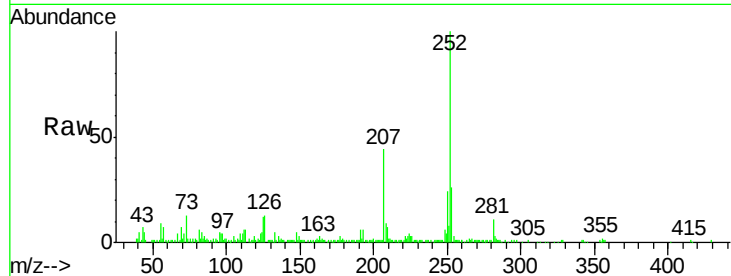
#36
Benzo(k)fluoranthene
Concen: 1.57 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

Instrument :
BNA_M
ClientSampleId :
D9ZN2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	11.5	7.7	11.5

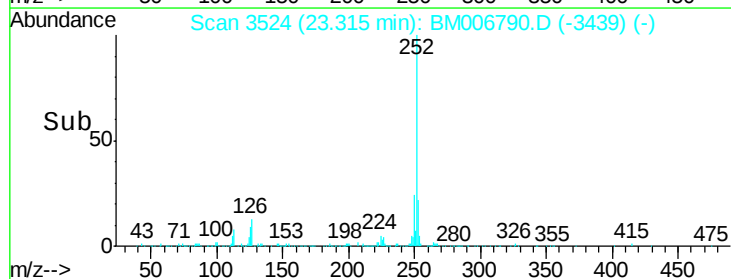
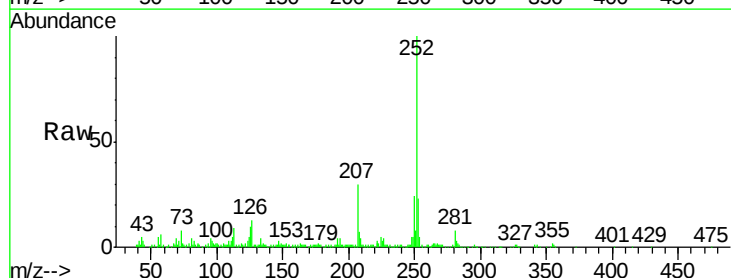
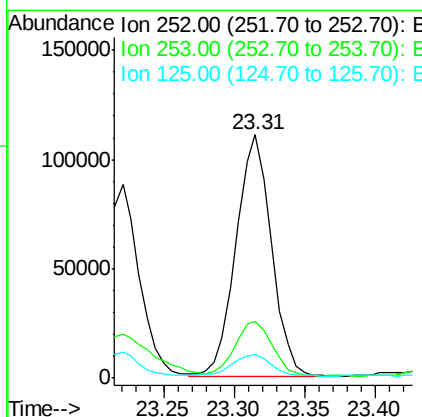
Manual Integrations
APPROVED

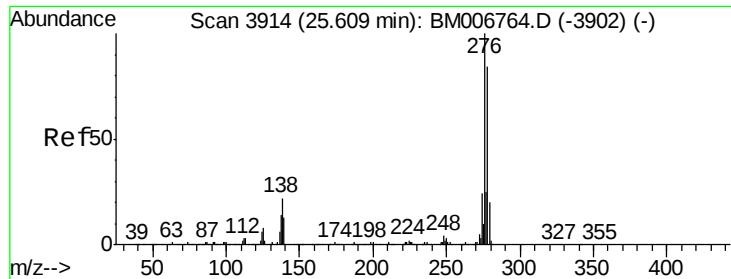
sohil
8/1/2016 7:06:42 PM



#38
Benzo(a)pyrene
Concen: 2.87 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. 0.00 min
Lab File: BM006790.D
Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.7	8.2	12.2





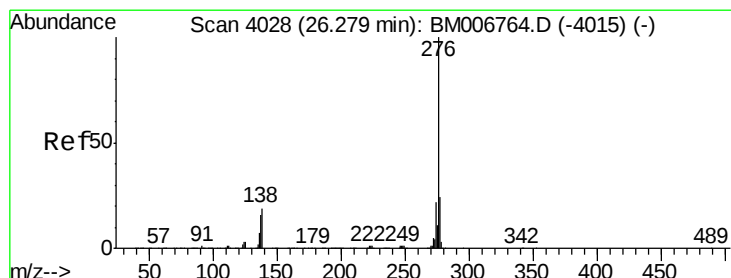
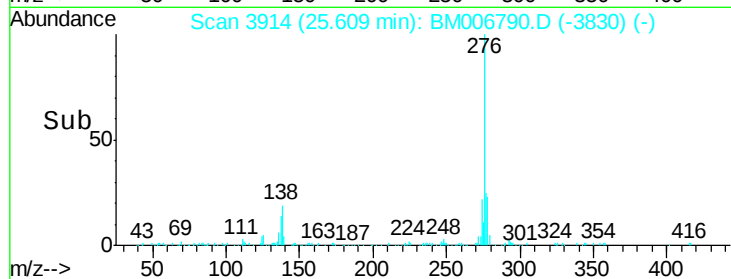
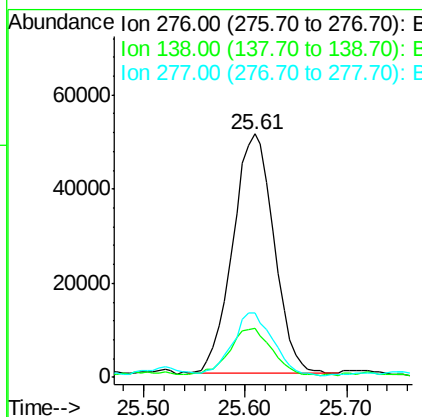
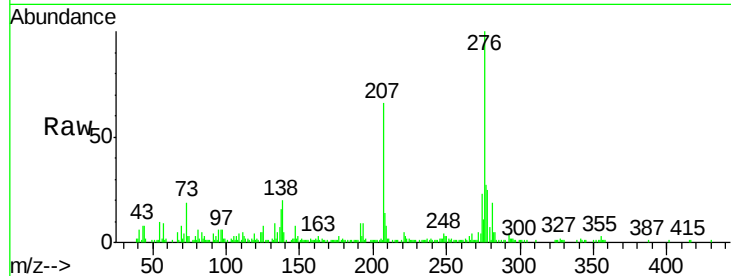
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 1.82 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Instrument :
 BNA_M
 ClientSampleId :
 D9ZN2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.8	23.6
277	26.7	19.0	28.6

Manual Integrations
 APPROVED

sohil
 8/1/2016 7:06:42 PM



#41
 Benzo(g,h,i)perylene
 Concen: 1.79 ng/ul
 RT: 26.28 min Scan# 4028
 Delta R.T. -0.01 min
 Lab File: BM006790.D
 Acq: 31 Jul 2016 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	13.9	20.9
277	23.7	19.8	29.6

