

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006624.D
 Acq On : 22 Jul 2016 14:11
 Operator : UM/SJ
 Sample : H4076-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ0

Manual Integrations

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 7/25/2016 6:40:20 PM

Quant Time: Jul 23 00:48:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	177600	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	763264	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	420426	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	933706m	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	991045	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1024419	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	8452	1.92	ng/uL	0.00
3) Phenol-d5	6.80	99	379856	25.14	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	241041	25.75	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	298169	24.70	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	288632	24.63	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	149660	25.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	156605	25.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	284362	24.49	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	260588	20.38	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	826435	25.07	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1126256	26.77	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	95218	16.63	ng/ul	0.00
21) Fluorene-d10	15.27	176	780087	26.46	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	53506m	11.04	ng/ul	0.00
26) Anthracene-d10	17.12	188	1155362	26.06	ng/ul	0.00
30) Pyrene-d10	19.42	212	1266836	28.05	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1253918	26.61	ng/ul	0.00

Target Compounds

					Qvalue
25) Phenanthrene	17.06	178	87540m	1.67	ng/ul
28) Fluoranthene	19.09	202	276600	4.48	ng/ul
31) Pyrene	19.45	202	245996	4.10	ng/ul
32) Benzo(a)anthracene	21.20	228	162335	2.70	ng/ul
33) Chrysene	21.26	228	172093	3.11	ng/ul
35) Benzo(b)fluoranthene	22.77	252	261650	4.26	ng/ul
36) Benzo(k)fluoranthene	22.80	252	79213m	1.33	ng/ul
38) Benzo(a)pyrene	23.33	252	171812	2.87	ng/ul
39) Indeno(1,2,3-cd)pyrene	25.63	276	144461	2.09	ng/ul
41) Benzo(g,h,i)perylene	26.31	276	163615	2.76	ng/ul#

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

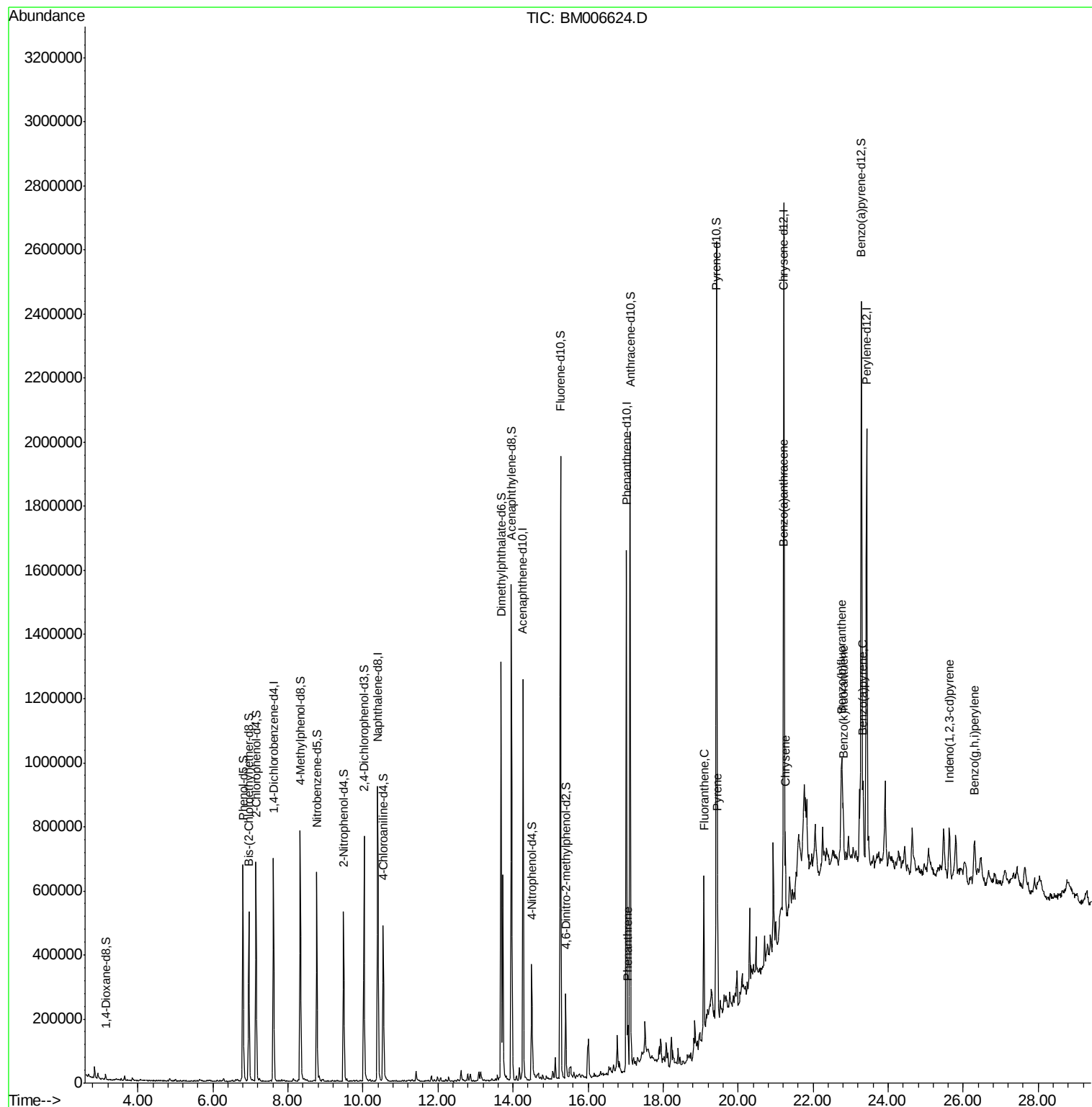
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006624.D
Acq On : 22 Jul 2016 14:11
Operator : UM/SJ
Sample : H4076-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

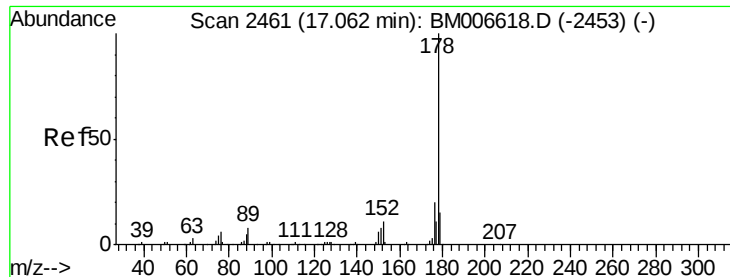
Instrument :
BNA_M
ClientSampleId :
D9YQ0

Manual Integrations

Quant Time: Jul 23 00:48:00 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

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#25

Phenanthrene

Concen: 1.67 ng/ul m

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_M

ClientSampleId :

D9YQ0

Tgt Ion:178 Resp: 87540

Ion Ratio Lower Upper

178 100

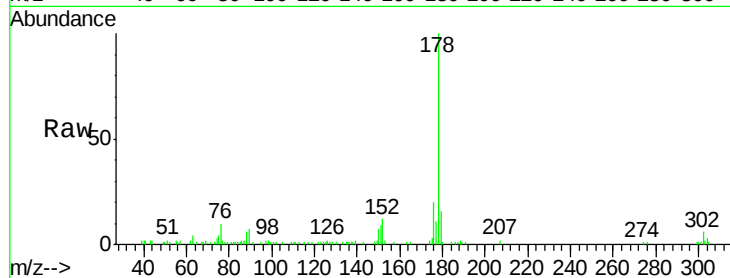
179 16.0 11.8 17.8

176 20.2 14.8 22.2

Manual Integrations

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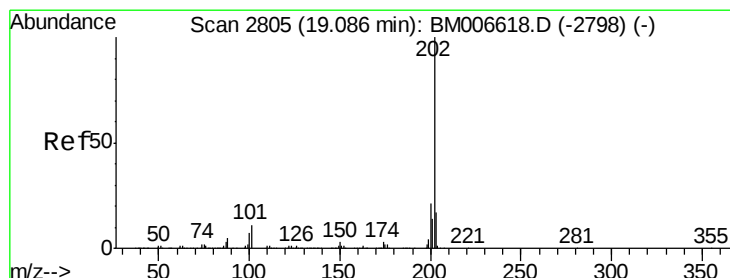
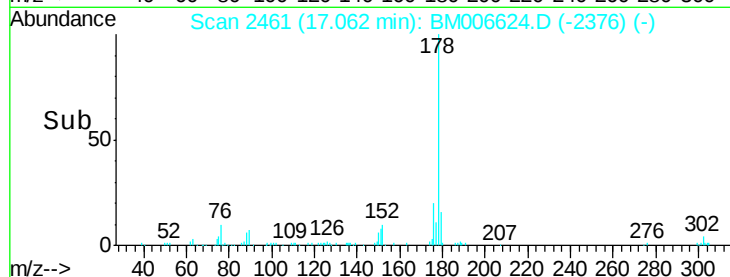
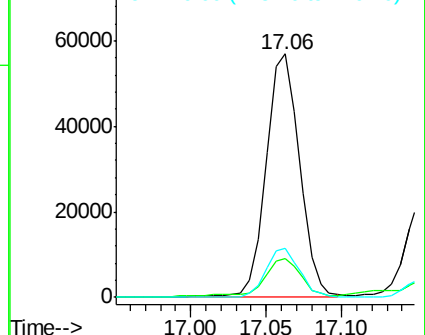
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 4.48 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

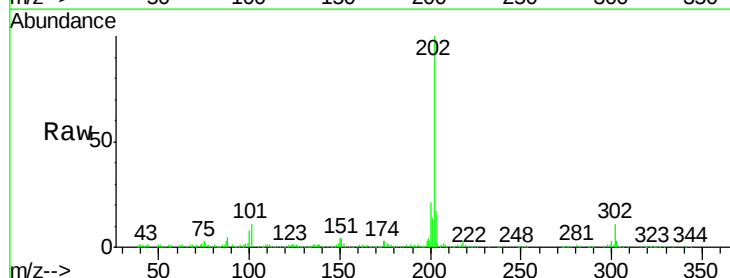
Tgt Ion:202 Resp: 276600

Ion Ratio Lower Upper

202 100

101 10.5 8.9 13.3

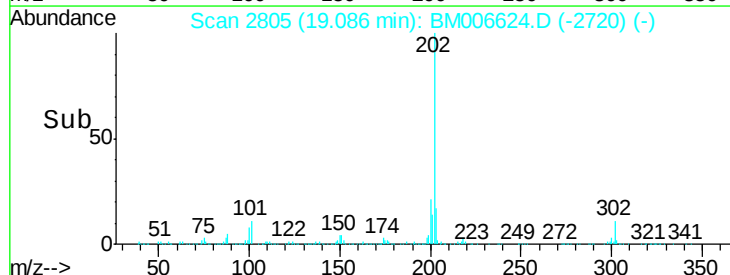
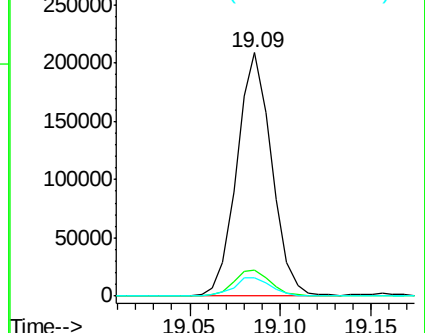
100 7.7 7.0 10.4

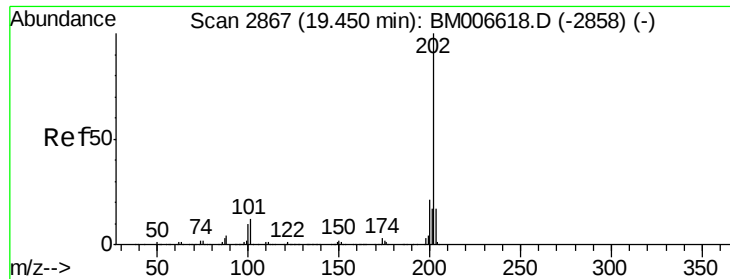


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





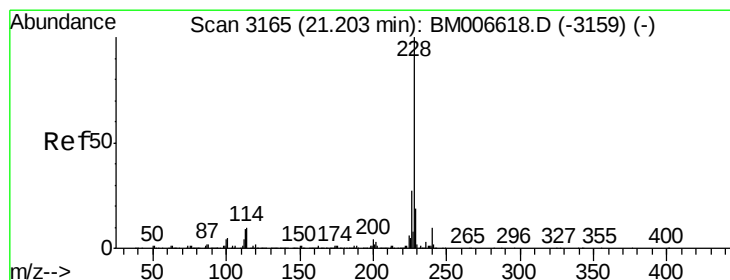
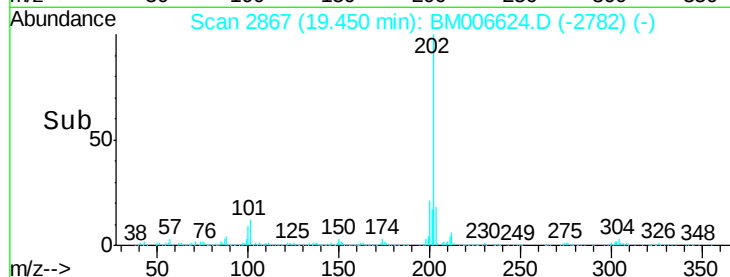
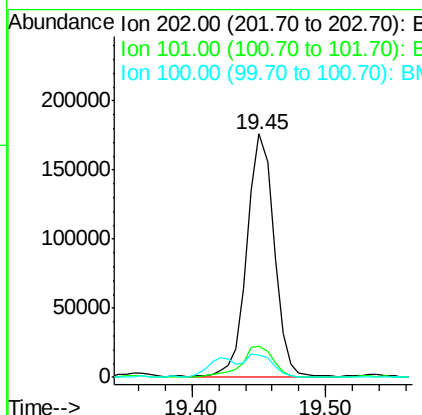
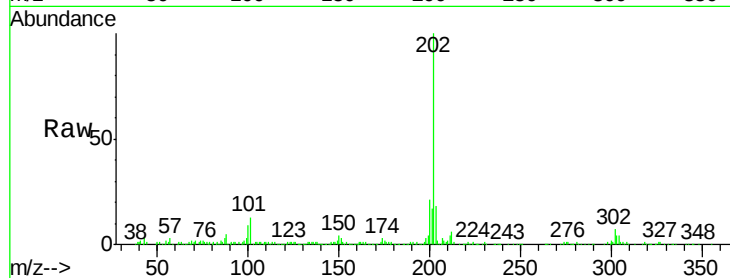
#31
 Pyrene
 Concen: 4.10 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	245996		
101	12.8	9.8	14.8	
100	9.3	9.3	13.9	

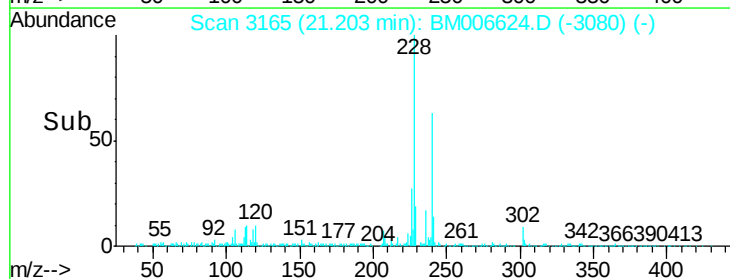
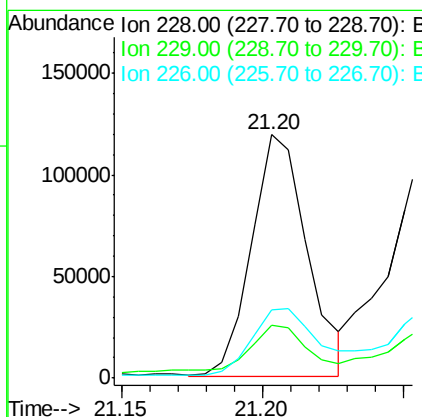
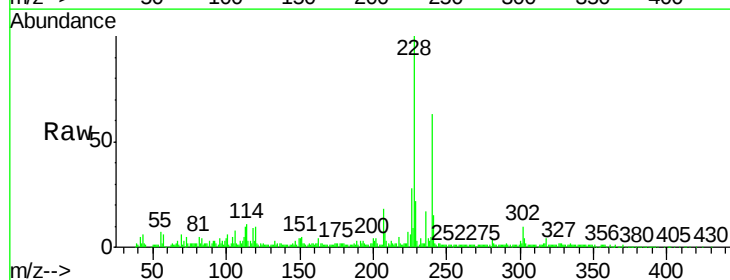
Manual Integrations

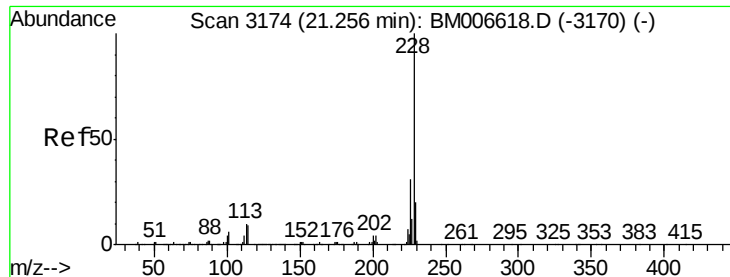
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#32
 Benzo(a)anthracene
 Concen: 2.70 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	162335		
229	21.8	16.6	25.0	
226	27.8	21.0	31.4	





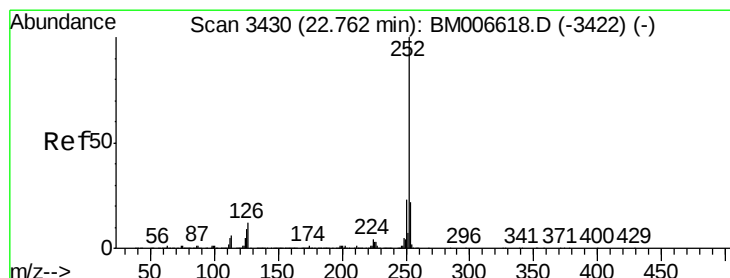
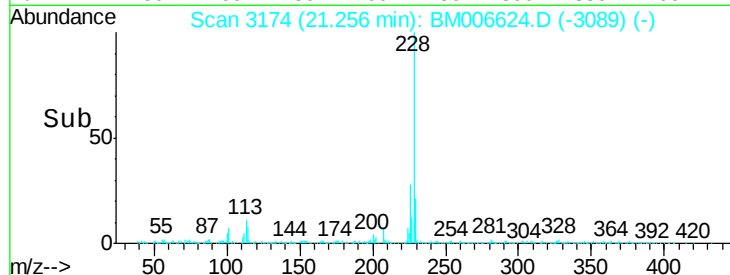
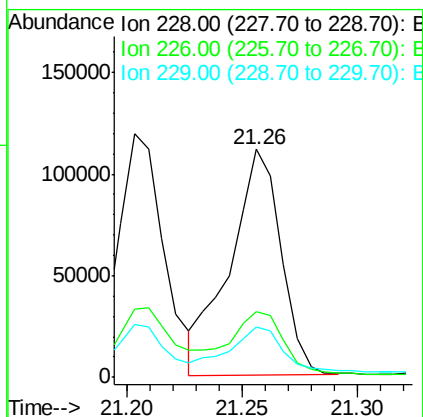
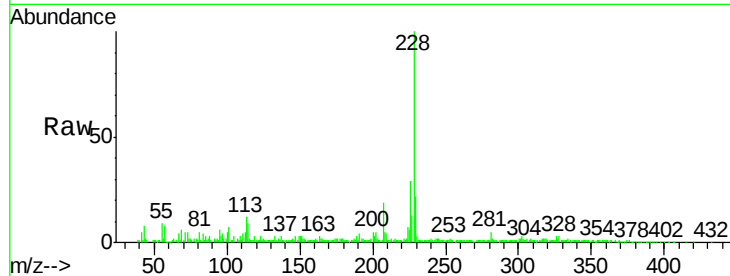
#33
Chrysene
Concen: 3.11 ng/ul
RT: 21.26 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BM006624.D
Acq: 22 Jul 2016 14:11

Instrument :
BNA_M
ClientSampleId :
D9YQ0

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	22.1	16.2	24.2

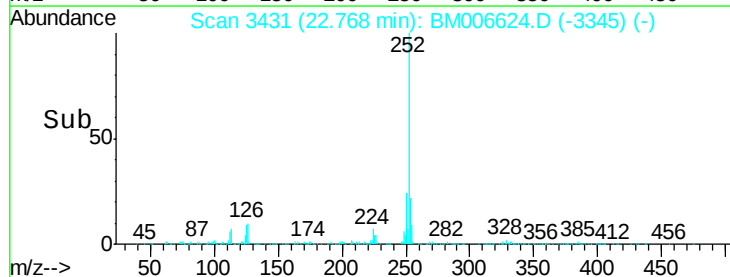
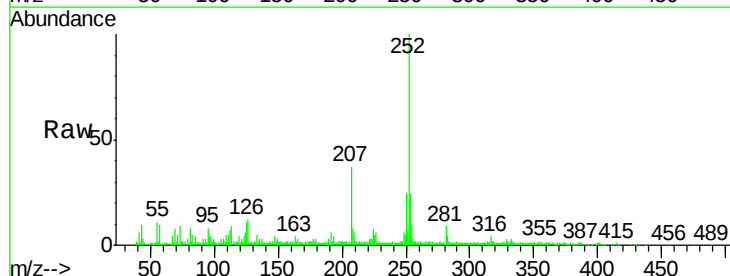
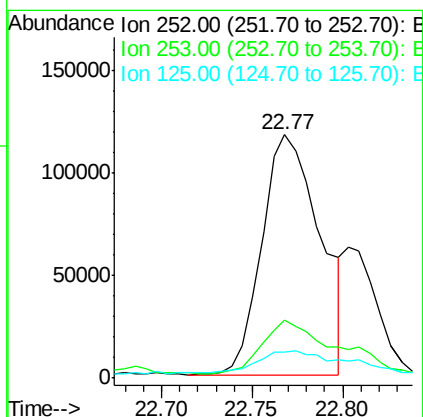
Manual Integrations

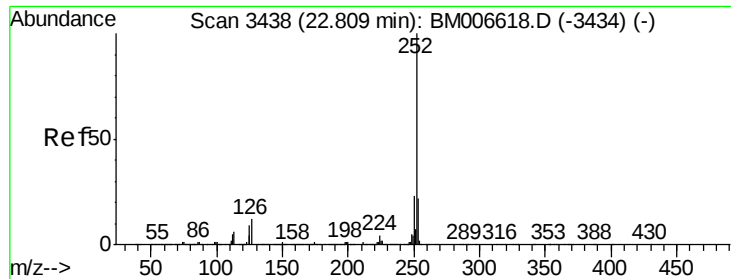
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#35
Benzo(b)fluoranthene
Concen: 4.26 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. 0.01 min
Lab File: BM006624.D
Acq: 22 Jul 2016 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	10.6	7.6	11.4





#36

Benzo(k)fluoranthene

Concen: 1.33 ng/ul m

RT: 22.80 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM006624.D

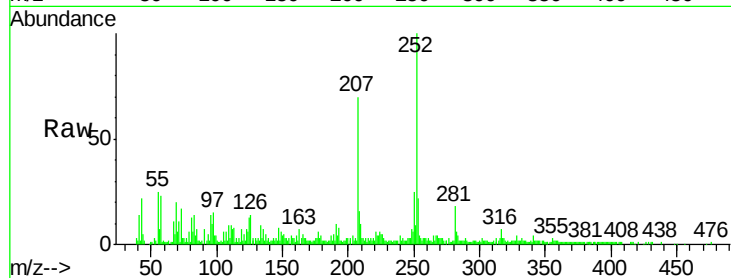
Acq: 22 Jul 2016 14:11

Instrument :

BNA_M

ClientSampleId :

D9YQ0

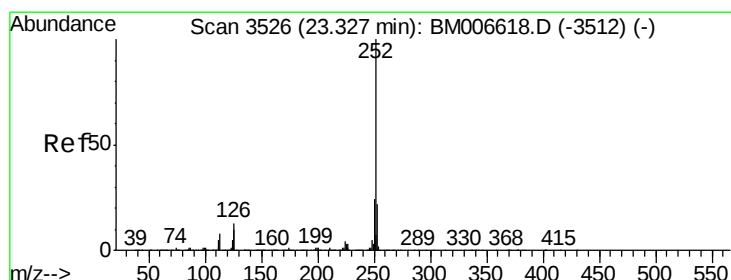
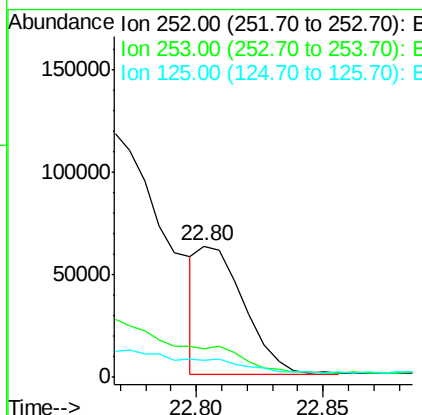
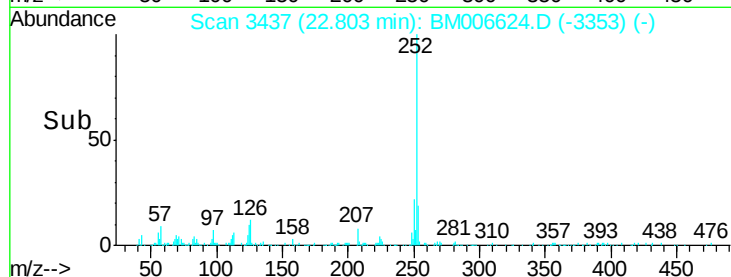


Tgt Ion:	252	Resp:	79213
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.8
125	13.4	7.7	11.5#

Manual Integrations

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#38

Benzo(a)pyrene

Concen: 2.87 ng/ul

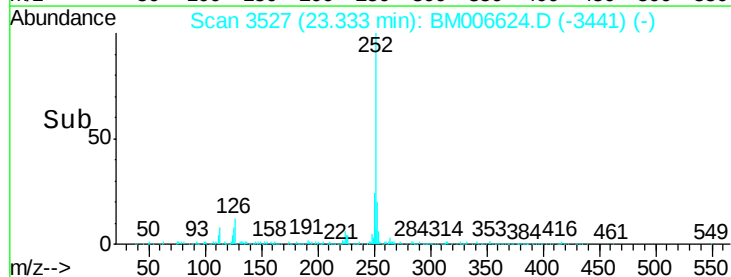
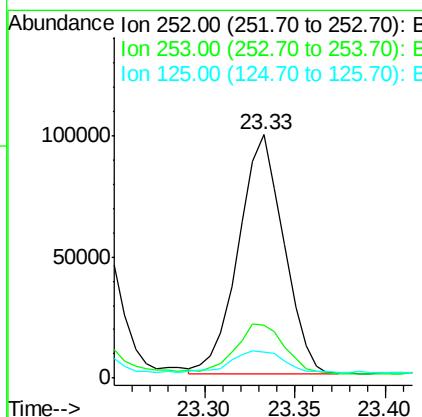
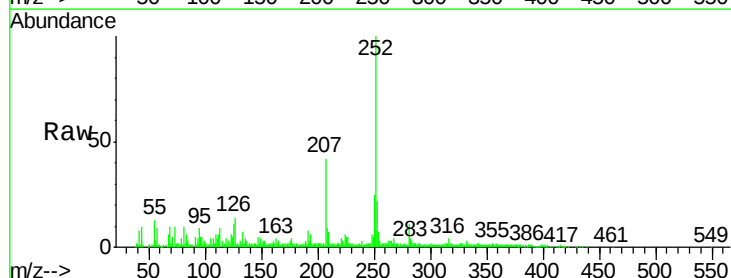
RT: 23.33 min Scan# 3527

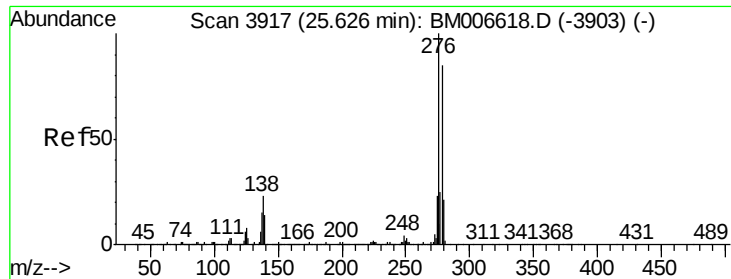
Delta R.T. 0.01 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

Tgt Ion:	252	Resp:	171812
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.0
125	10.9	8.2	12.2





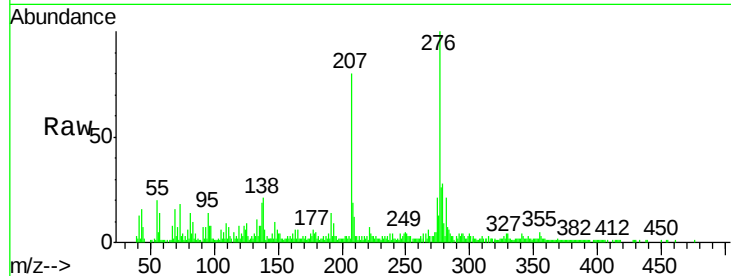
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng/ul
 RT: 25.63 min Scan# 3918
 Delta R.T. 0.01 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ0

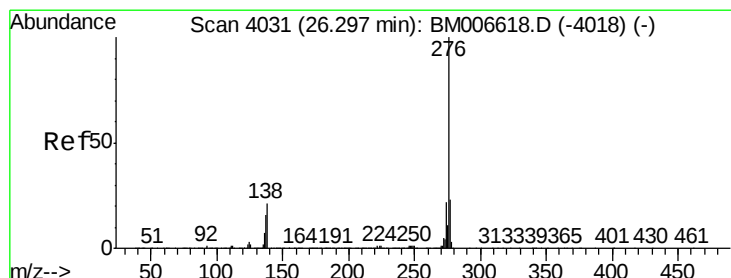
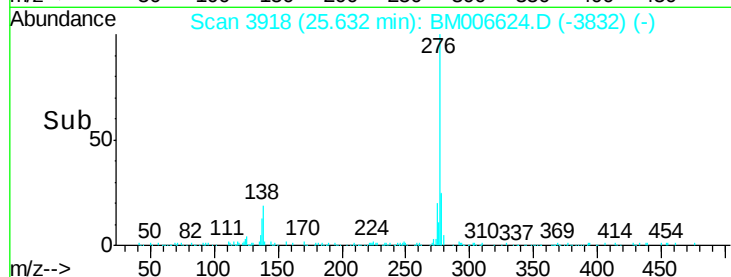
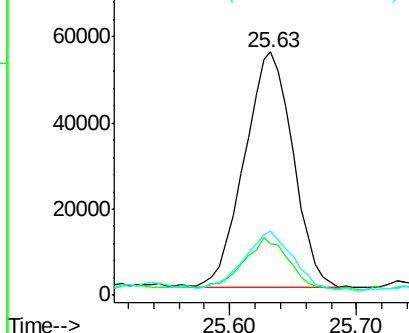
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	15.8	23.6
277	26.5	19.0	28.6

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#41
 Benzo(g,h,i)perylene
 Concen: 2.76 ng/ul
 RT: 26.31 min Scan# 4033
 Delta R.T. 0.01 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	13.9	20.9#
277	23.7	19.8	29.6

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

