

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006627.D
 Acq On : 22 Jul 2016 16:04
 Operator : UM/SJ
 Sample : H4076-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ3

Manual Integrations

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Quant Time: Jul 23 00:54:59 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	174146	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	751728	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	414446	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	907878	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	946376	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	979698	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	11522	2.68	ng/uL	0.00
3) Phenol-d5	6.80	99	470948	31.79	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	300737	32.77	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	376679	31.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	263063	22.89	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	189594	33.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	202301	33.43	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	350804	30.68	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	314194	24.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.69	166	1037725	31.93	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1357971	32.74	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	154393	27.36	ng/ul	0.01
21) Fluorene-d10	15.27	176	941216	32.39	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	74903	15.89	ng/ul	0.00
26) Anthracene-d10	17.12	188	1389013	32.22	ng/ul	0.00
30) Pyrene-d10	19.43	212	1518428	35.21	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1471000	32.64	ng/ul	0.01

Target Compounds

					Qvalue
25) Phenanthrene	17.06	178	140870	2.76 ng/ul	99
28) Fluoranthene	19.09	202	470286	7.84 ng/ul	99
31) Pyrene	19.46	202	416072	7.26 ng/ul	97
32) Benzo(a)anthracene	21.21	228	252383	4.40 ng/ul	97
33) Chrysene	21.26	228	267479	5.06 ng/ul	98
35) Benzo(b)fluoranthene	22.77	252	388105	6.61 ng/ul	99
36) Benzo(k)fluoranthene	22.81	252	141109m	2.48 ng/ul	
38) Benzo(a)pyrene	23.33	252	263298	4.61 ng/ul	94
39) Indeno(1,2,3-cd)pyrene	25.63	276	221924	3.35 ng/ul	100
40) Dibenzo(a,h)anthracene	25.64	278	64960	1.18 ng/ul#	72
41) Benzo(g,h,i)perylene	26.31	276	220682	3.89 ng/ul	97

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

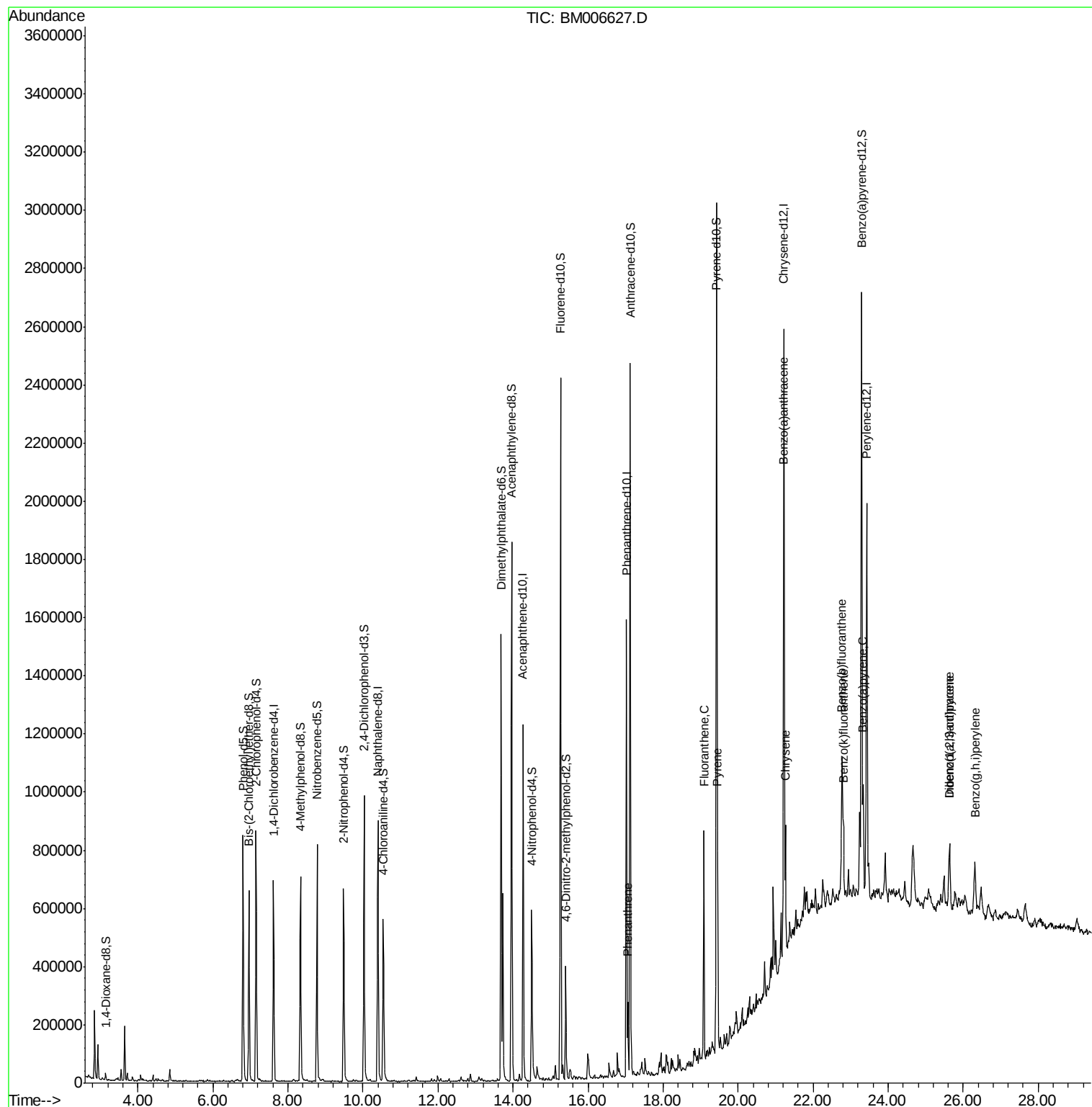
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006627.D
Acq On : 22 Jul 2016 16:04
Operator : UM/SJ
Sample : H4076-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

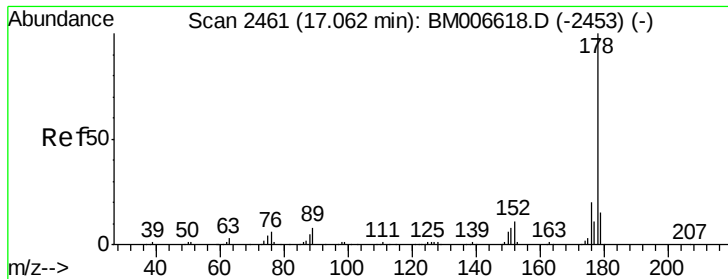
Instrument :
BNA_M
ClientSampleId :
D9YQ3

Manual Integrations

Quant Time: Jul 23 00:54:59 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: 2.76 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006627.D

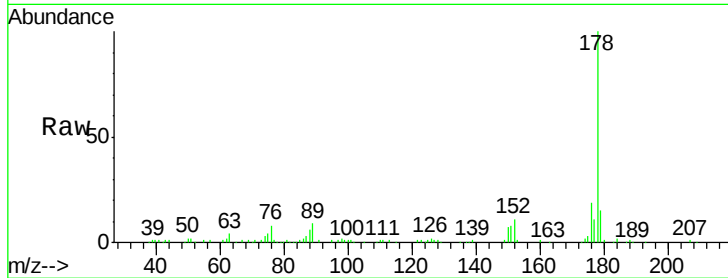
Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampleId :

D9YQ3



Tgt Ion:178 Resp: 140870

Ion Ratio Lower Upper

178 100

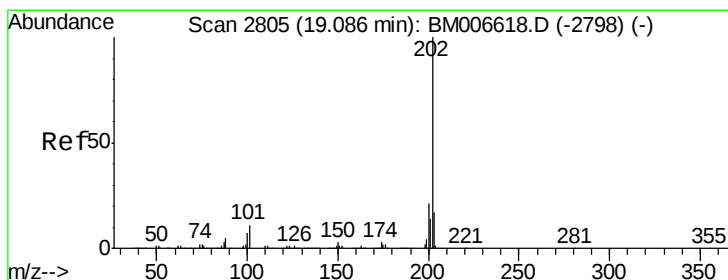
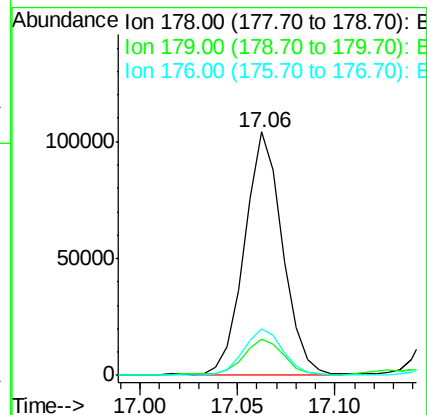
179 14.8 11.8 17.8

176 19.2 14.8 22.2

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#28

Fluoranthene

Concen: 7.84 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

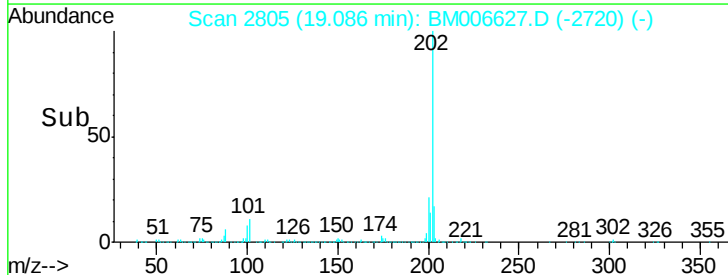
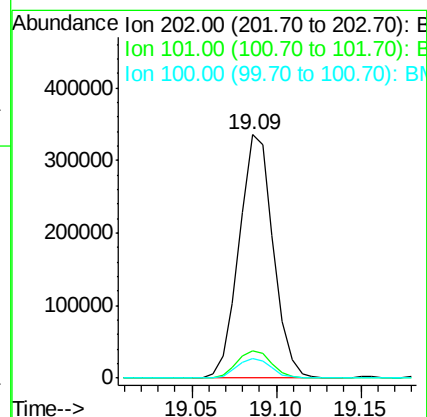
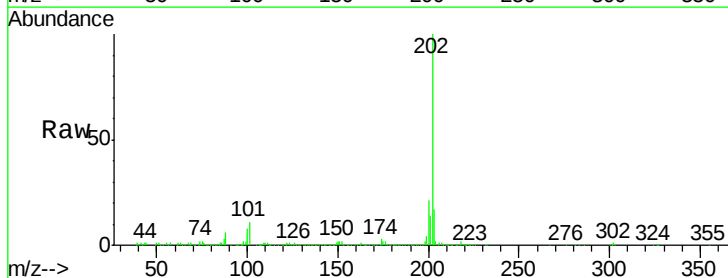
Tgt Ion:202 Resp: 470286

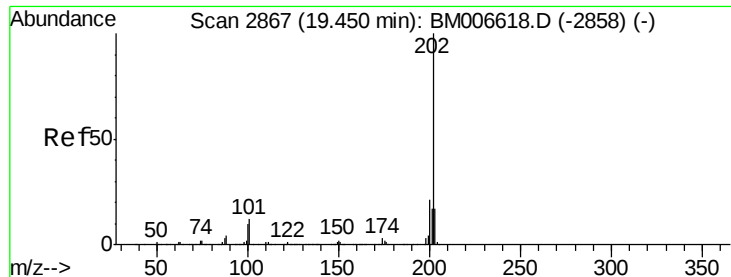
Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

100 7.9 7.0 10.4





#31

Pyrene

Concen: 7.26 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampleId :

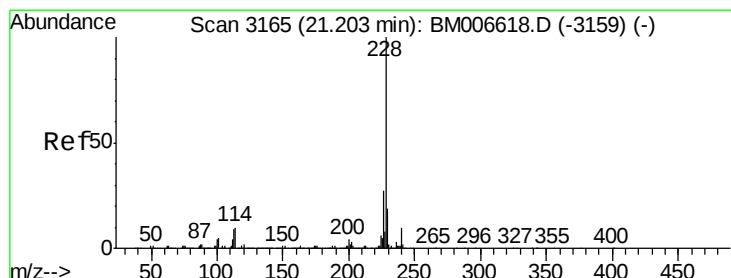
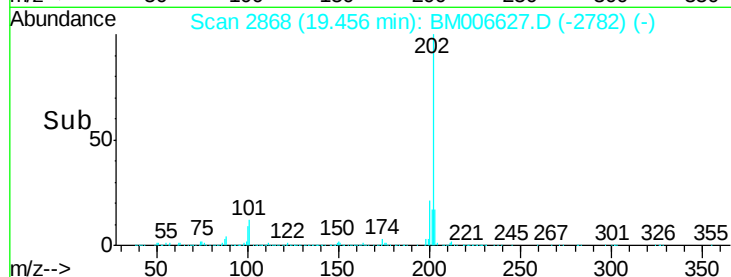
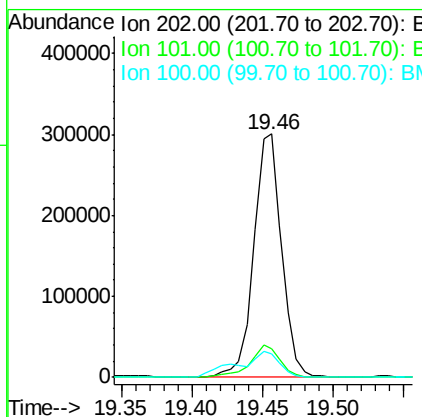
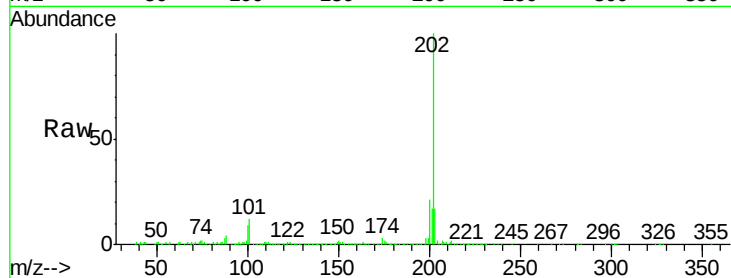
D9YQ3

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	416072		
101	11.8	9.8	14.8	
100	9.4	9.3	13.9	

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7/25/2016 6:40:25 PM



#32

Benzo(a)anthracene

Concen: 4.40 ng/ul

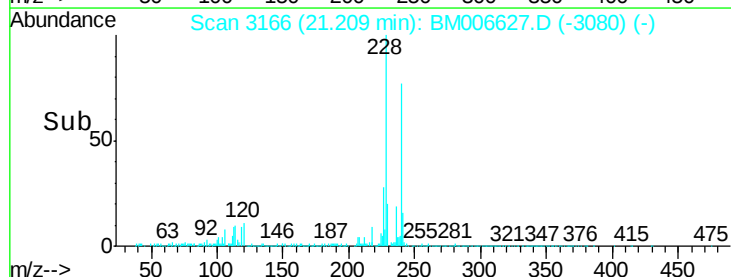
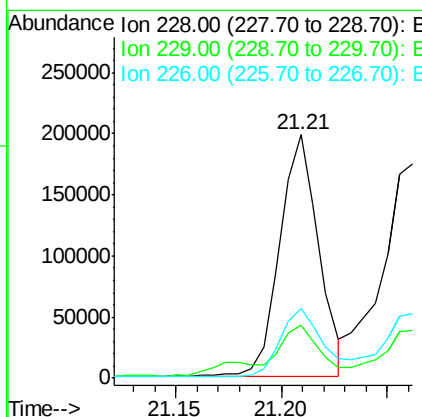
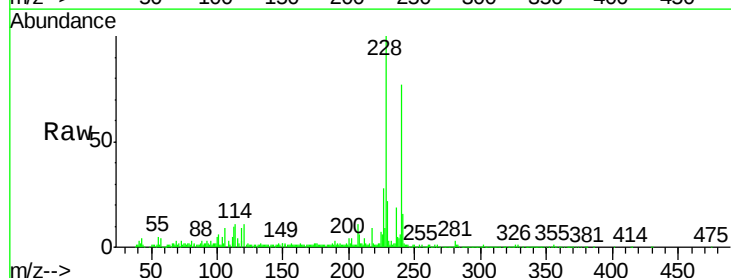
RT: 21.21 min Scan# 3166

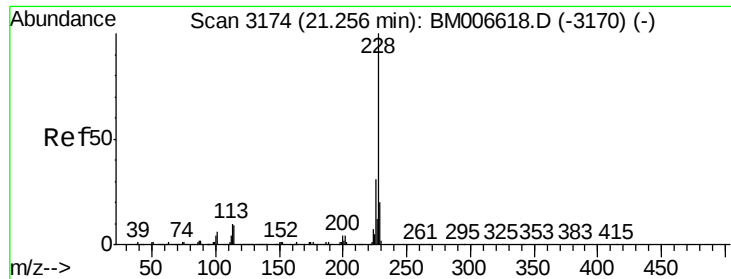
Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	252383		
229	21.7	16.6	25.0	
226	28.4	21.0	31.4	





#33

Chrysene

Concen: 5.06 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006627.D

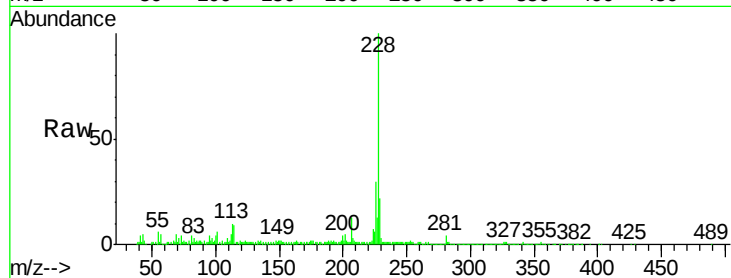
Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampled :

D9YQ3



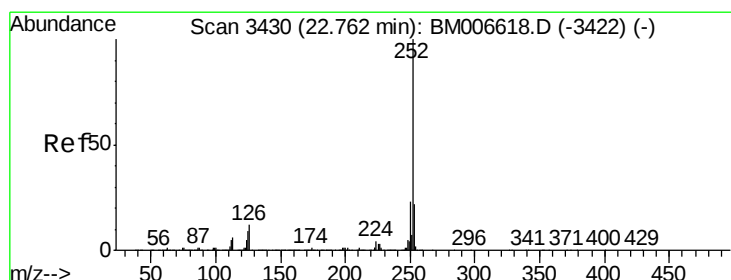
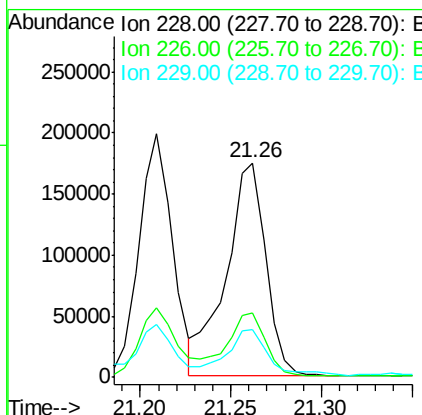
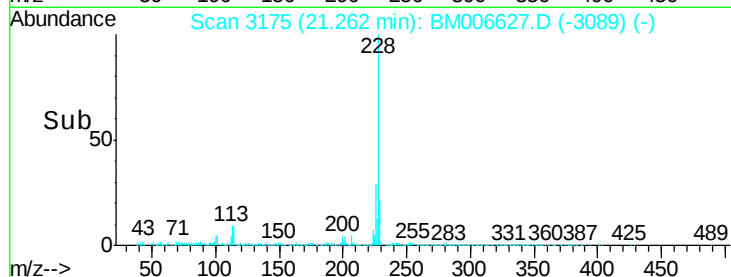
Tgt Ion: 228 Resp: 267479

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.0	16.2	24.2

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7/25/2016 6:40:25 PM



#35

Benzo(b)fluoranthene

Concen: 6.61 ng/ul

RT: 22.77 min Scan# 3432

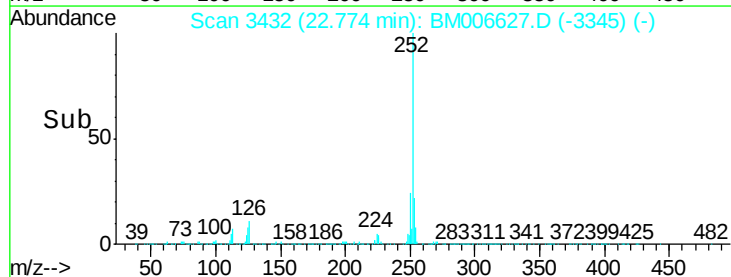
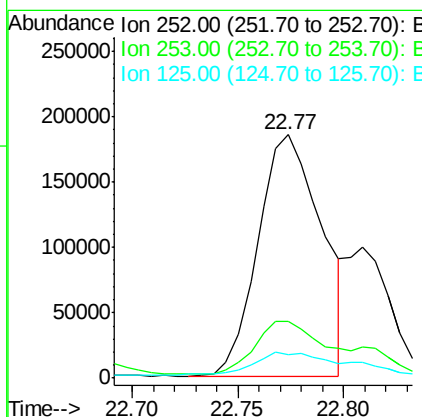
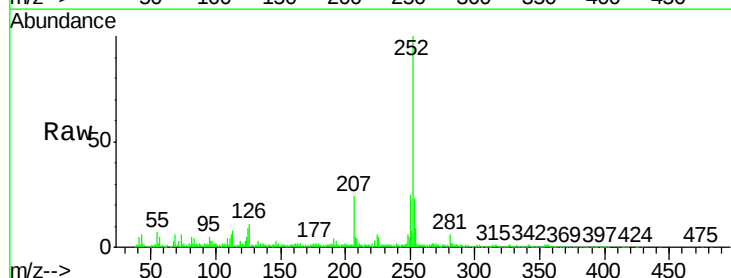
Delta R.T. 0.01 min

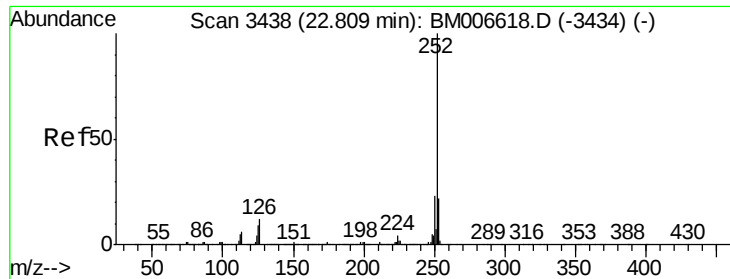
Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Tgt Ion: 252 Resp: 388105

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	9.4	7.6	11.4





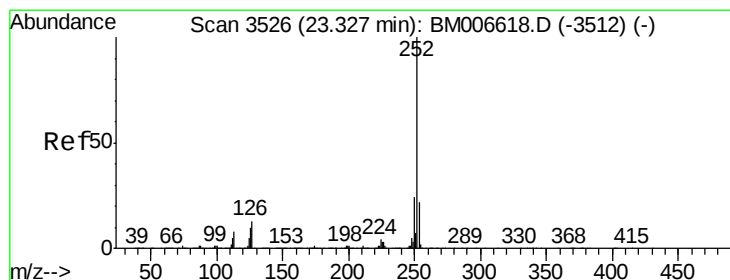
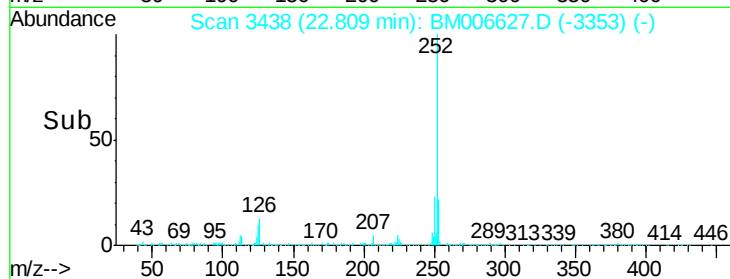
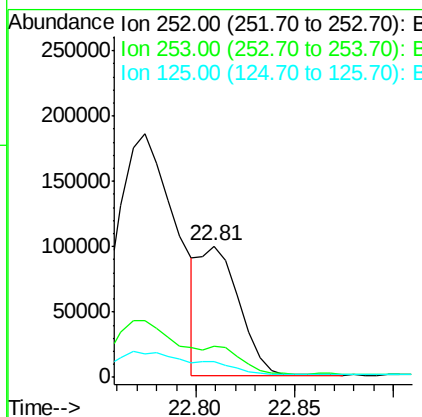
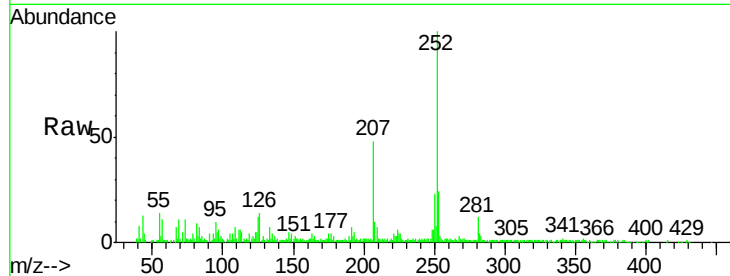
#36
Benzo(k)fluoranthene
Concen: 2.48 ng/ul m
RT: 22.81 min Scan# 3438
Delta R.T. 0.00 min
Lab File: BM006627.D
Acq: 22 Jul 2016 16:04

Instrument :
BNA_M
ClientSampleId :
D9YQ3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	11.8	7.7	11.5

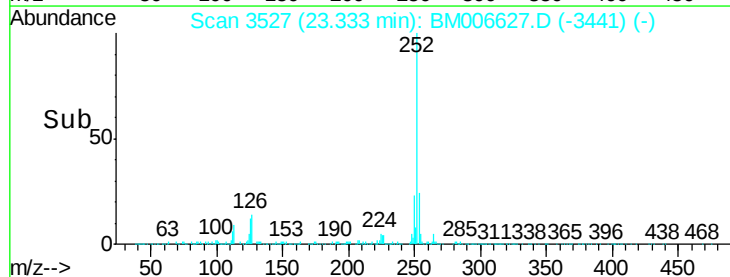
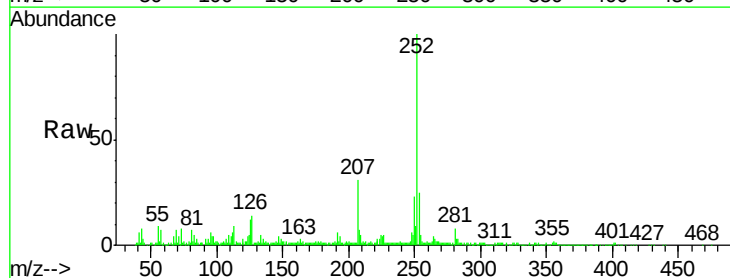
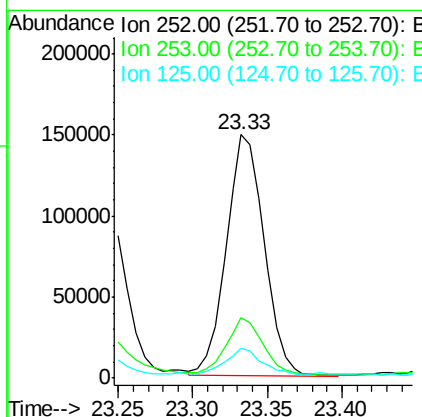
Manual Integrations

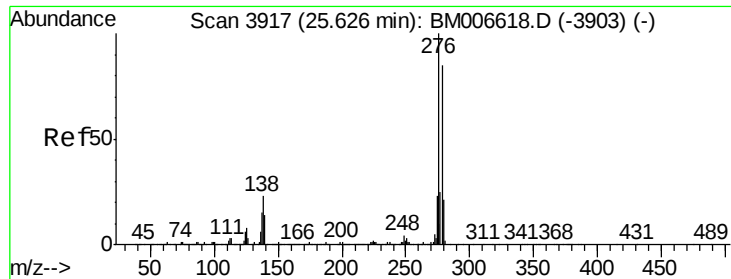
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#38
Benzo(a)pyrene
Concen: 4.61 ng/ul
RT: 23.33 min Scan# 3527
Delta R.T. 0.01 min
Lab File: BM006627.D
Acq: 22 Jul 2016 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	12.1	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006627.D

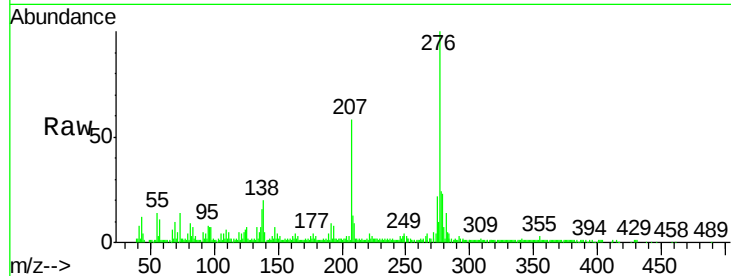
Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampled :

D9YQ3



Tgt Ion: 276 Resp: 221924

Ion Ratio Lower Upper

276 100

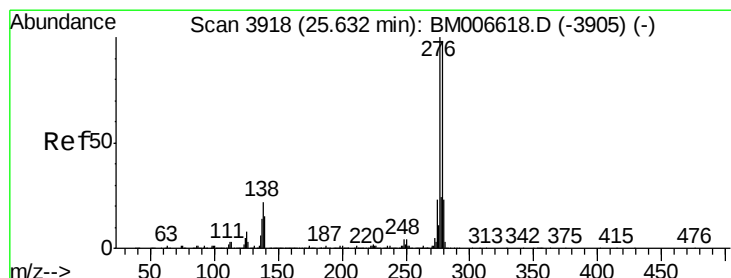
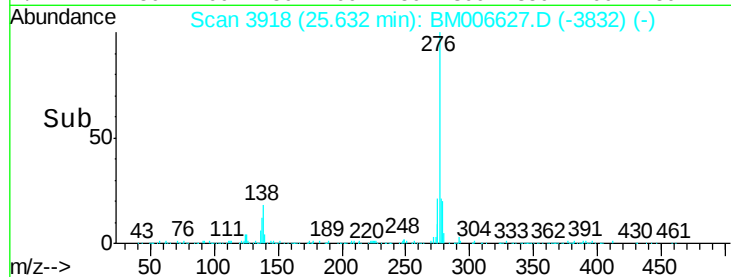
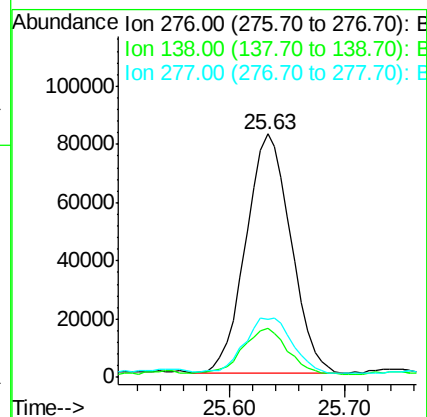
138 20.0 15.8 23.6

277 23.7 19.0 28.6

Manual Integrations

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7/25/2016 6:40:25 PM



#40

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

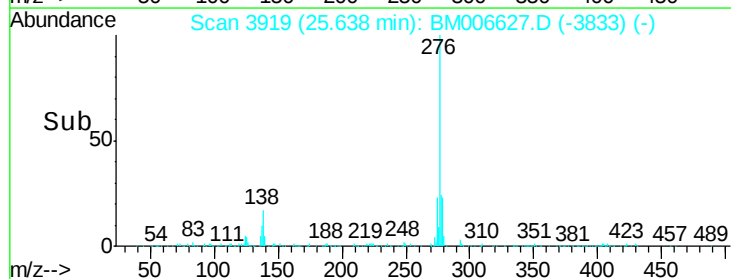
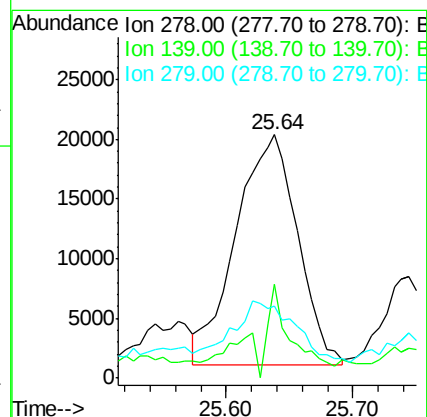
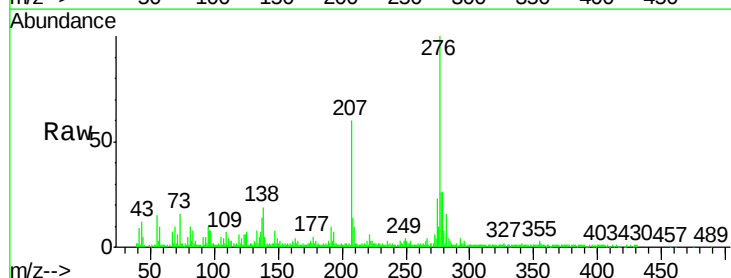
Tgt Ion: 278 Resp: 64960

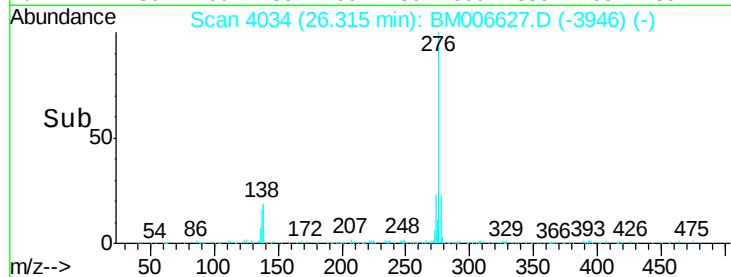
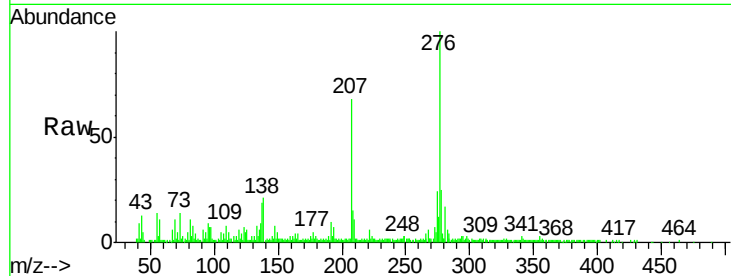
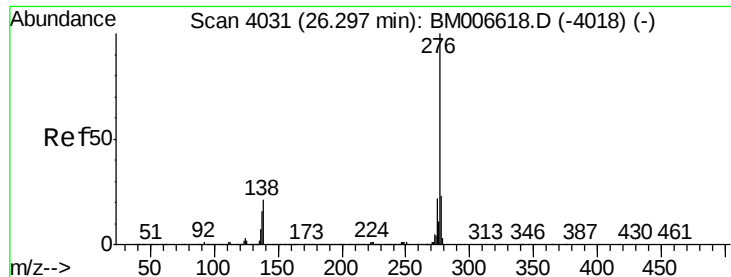
Ion Ratio Lower Upper

278 100

139 38.6 12.1 18.1#

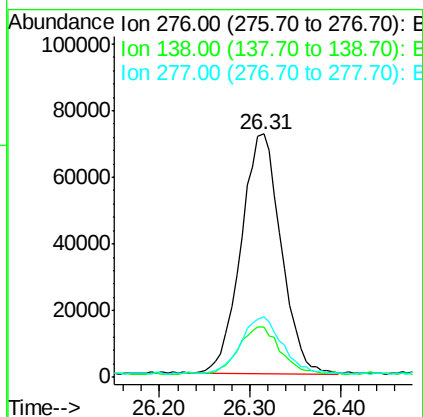
279 29.8 19.8 29.8#





#41
 Benzo(g,h,i)perylene
 Concen: 3.89 ng/ul
 RT: 26.31 min Scan# 4034
 Delta R.T. 0.02 min
 Lab File: BM006627.D
 Acq: 22 Jul 2016 16:04

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.8	13.9	20.9	
277	24.9	19.8	29.6	



Instrument :
 BNA_M
 ClientSampleId :
 D9YQ3

Manual Integrations

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