

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006629.D
 Acq On : 22 Jul 2016 17:58
 Operator : UM/SJ
 Sample : H4076-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ2

Manual Integrations

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 7/25/2016 6:40:26 PM

Quant Time: Jul 23 00:57:37 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	181031	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	783030	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	436116	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	977296	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1061302	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1086081	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	9527	2.13	ng/uL	0.00
3) Phenol-d5	6.80	99	391924	25.45	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	245984	25.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	308766	25.09	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	265472	22.23	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	151487	25.56	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	166962	26.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	294305	24.71	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	299585	22.84	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	871810	25.50	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1143285	26.19	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	124929	21.04	ng/ul	0.00
21) Fluorene-d10	15.27	176	802297	26.23	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	68988	13.60	ng/ul	0.00
26) Anthracene-d10	17.12	188	1202345	25.91	ng/ul	0.00
30) Pyrene-d10	19.42	212	1340569	27.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1312191	26.27	ng/ul	0.00

Target Compounds

					Qvalue
25) Phenanthrene	17.06	178	184439	3.36 ng/ul	99
28) Fluoranthene	19.09	202	514556	7.97 ng/ul	100
31) Pyrene	19.45	202	451995	7.03 ng/ul	97
32) Benzo(a)anthracene	21.20	228	276252	4.29 ng/ul	98
33) Chrysene	21.26	228	276315	4.66 ng/ul	97
35) Benzo(b)fluoranthene	22.77	252	429457	6.60 ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	128654m	2.04 ng/ul	
38) Benzo(a)pyrene	23.33	252	279550	4.41 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.63	276	220575	3.01 ng/ul	97
40) Dibenzo(a,h)anthracene	25.63	278	64239m	1.06 ng/ul	
41) Benzo(g,h,i)perylene	26.30	276	218821	3.48 ng/ul#	96

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

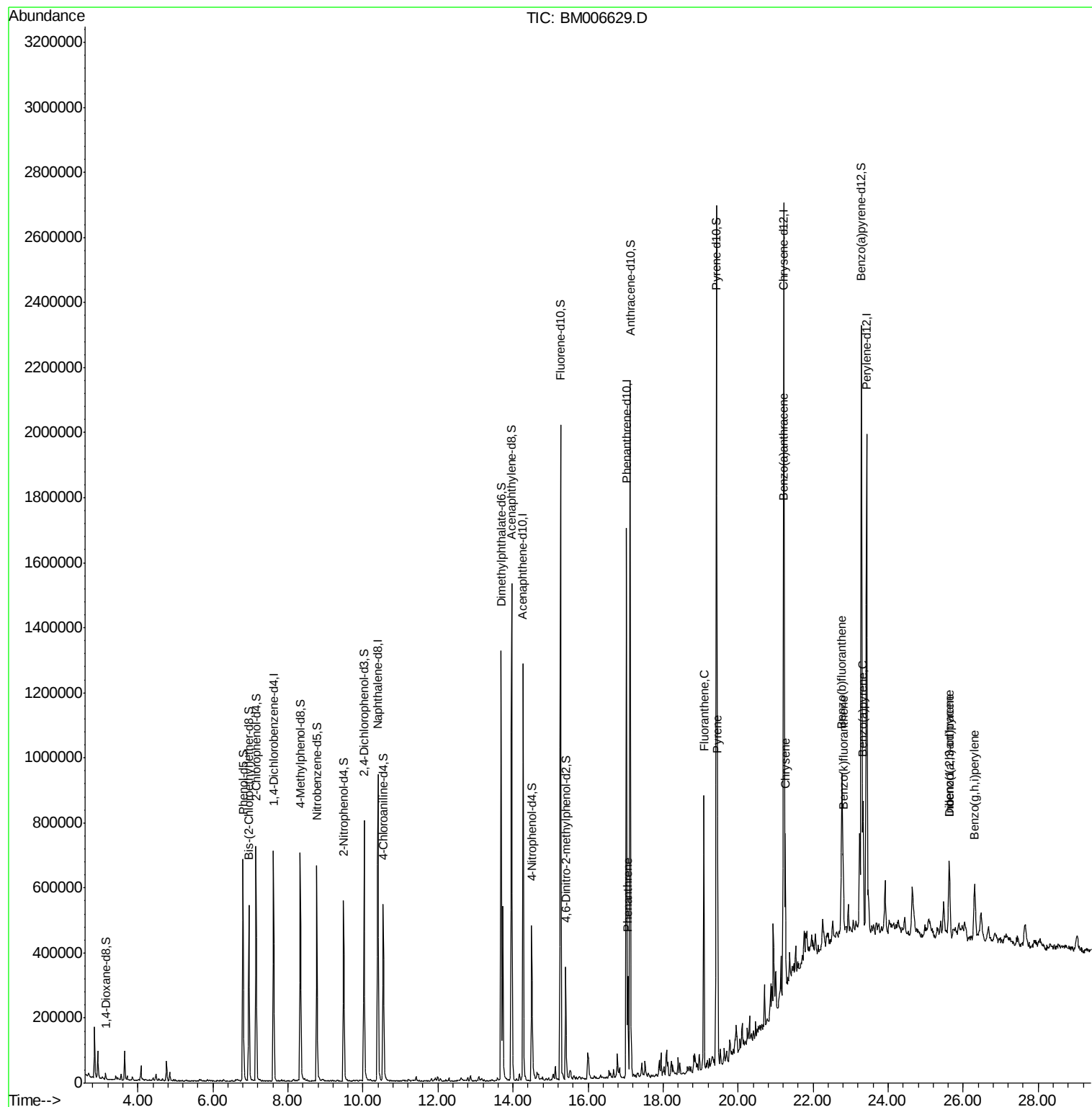
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006629.D
Acq On : 22 Jul 2016 17:58
Operator : UM/SJ
Sample : H4076-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

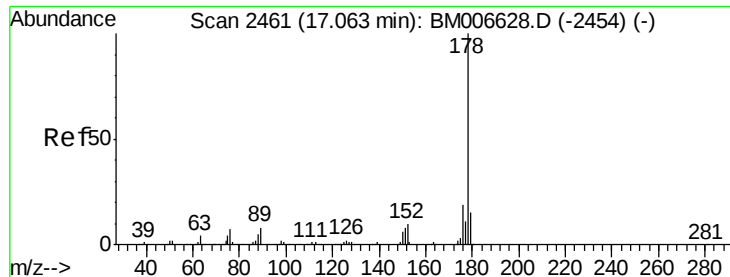
Instrument :
BNA_M
ClientSampleId :
D9YQ2

Manual Integrations

Quant Time: Jul 23 00:57:37 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: 3.36 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

Instrument :

BNA_M

ClientSampleId :

D9YQ2

Tgt Ion:178 Resp: 184439

Ion Ratio Lower Upper

178 100

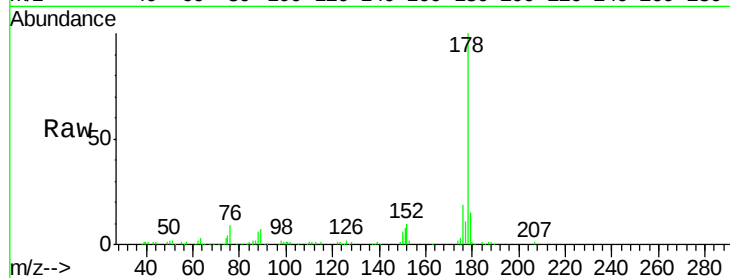
179 14.6 11.8 17.8

176 19.2 14.8 22.2

Manual Integrations

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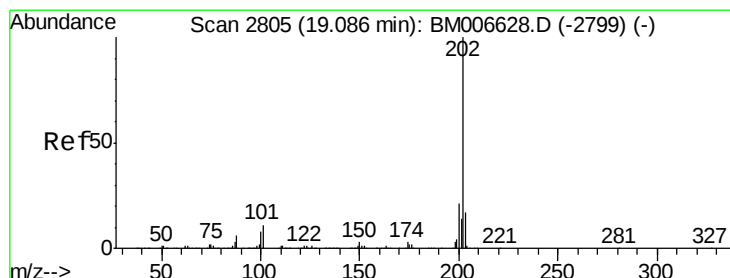
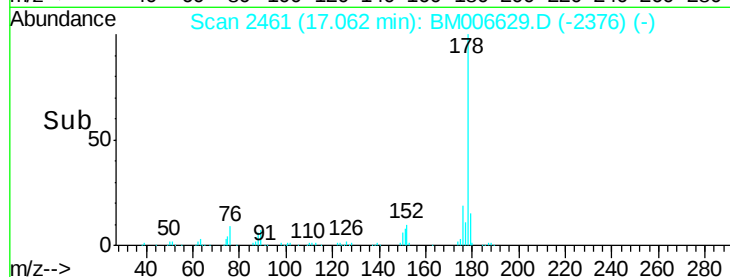
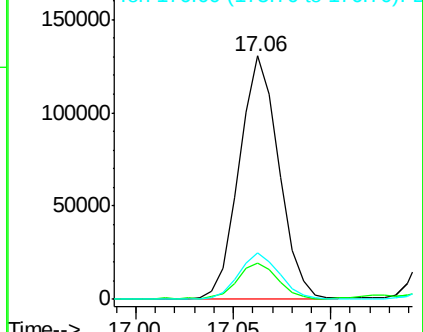
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 7.97 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

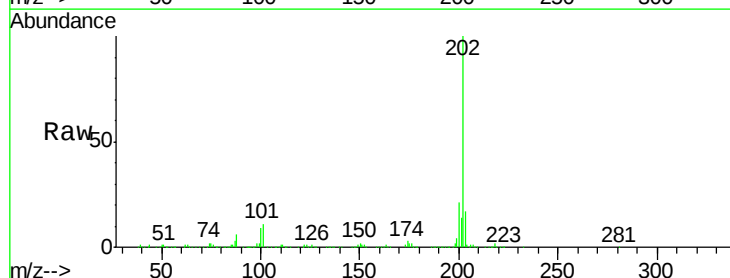
Tgt Ion:202 Resp: 514556

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

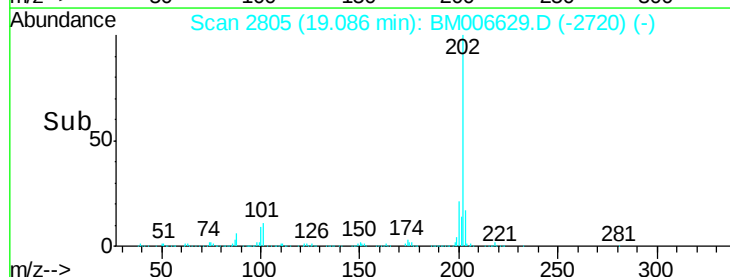
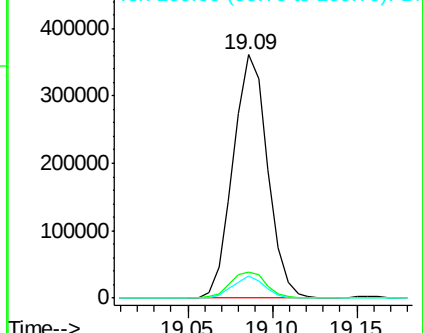
100 8.9 7.0 10.4

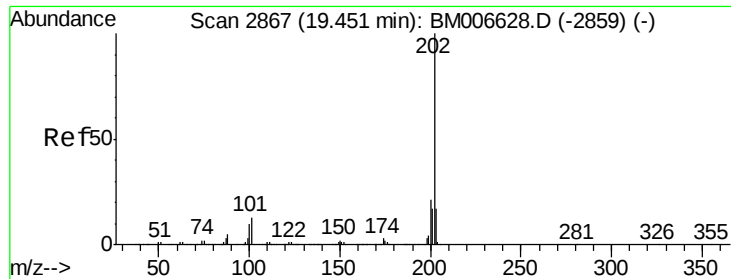


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





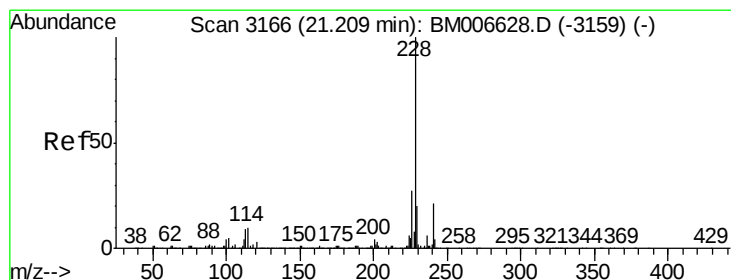
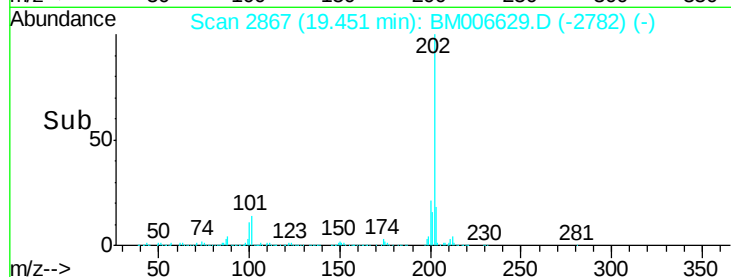
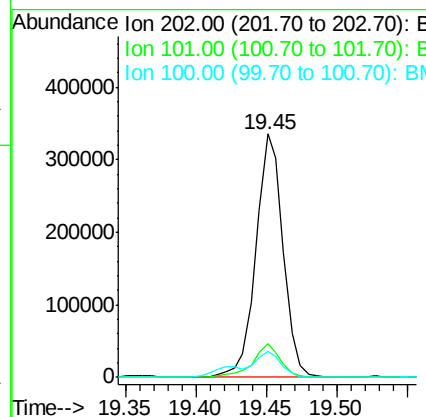
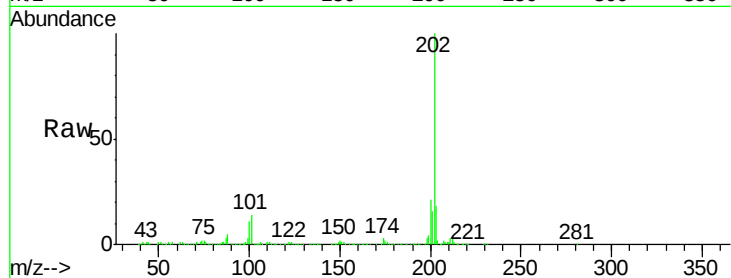
#31
 Pyrene
 Concen: 7.03 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: BM006629.D
 Acq: 22 Jul 2016 17:58

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ2

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		451995		
101	13.6	9.8	14.8		
100	10.5	9.3	13.9		

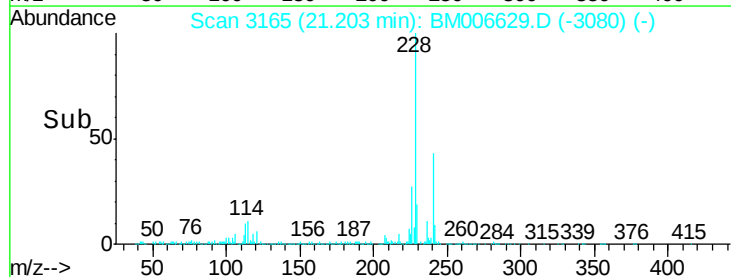
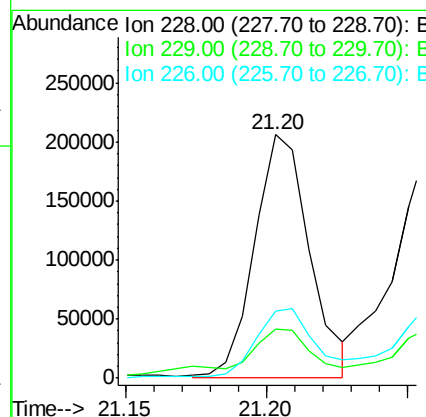
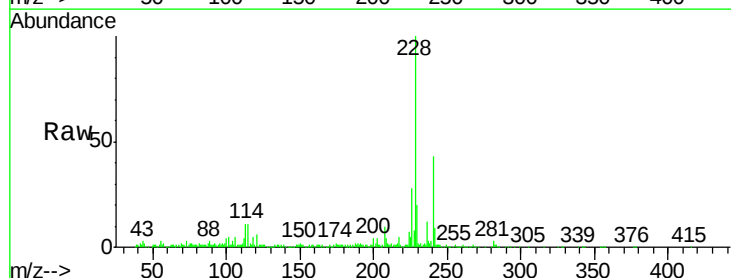
Manual Integrations

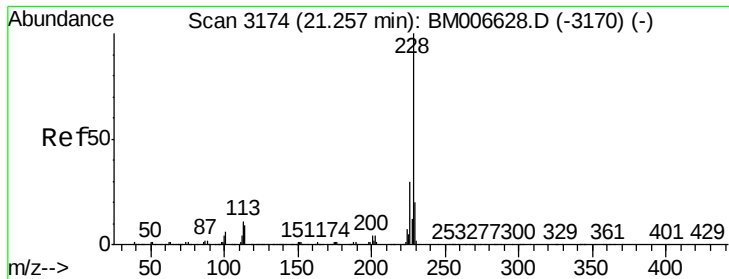
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#32
 Benzo(a)anthracene
 Concen: 4.29 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. 0.00 min
 Lab File: BM006629.D
 Acq: 22 Jul 2016 17:58

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		276252		
229	20.0	16.6	25.0		
226	27.6	21.0	31.4		





#33

Chrysene

Concen: 4.66 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

Instrument :

BNA_M

ClientSampleId :

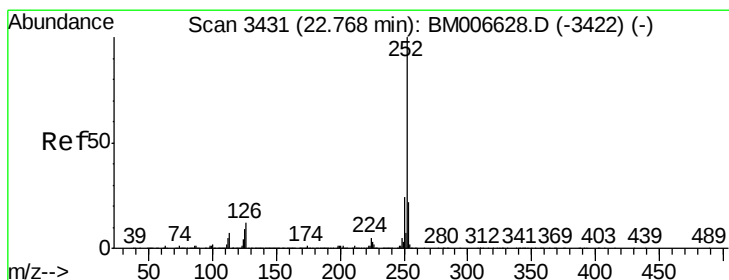
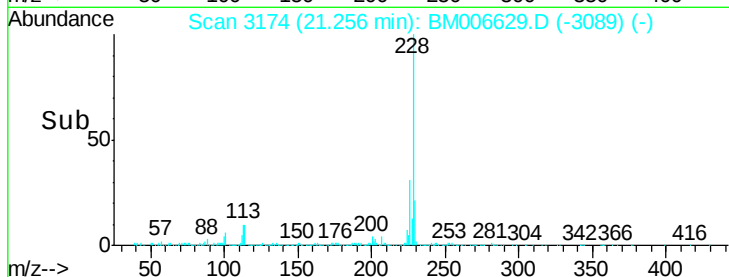
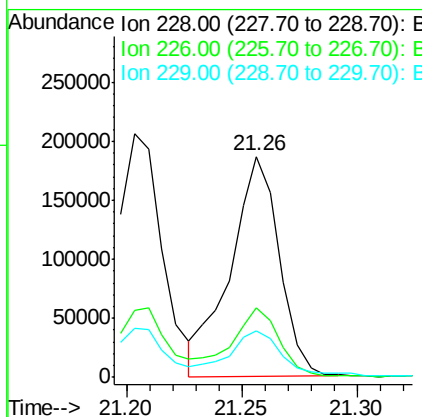
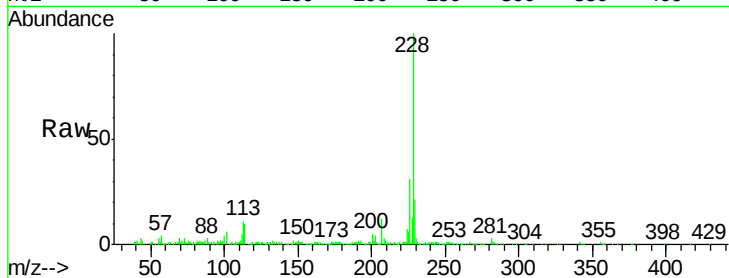
D9YQ2

Tgt Ion:	228	Resp:	276315
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.4	35.2
229	21.3	16.2	24.2

Manual Integrations

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#35

Benzo(b)fluoranthene

Concen: 6.60 ng/ul

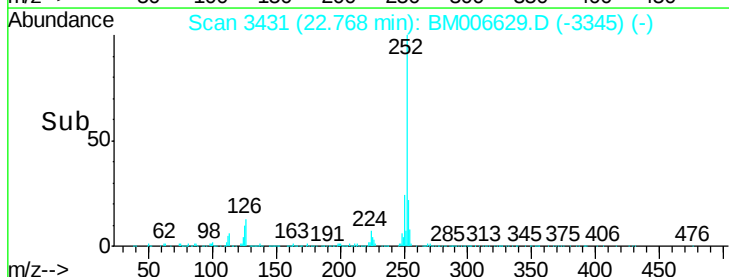
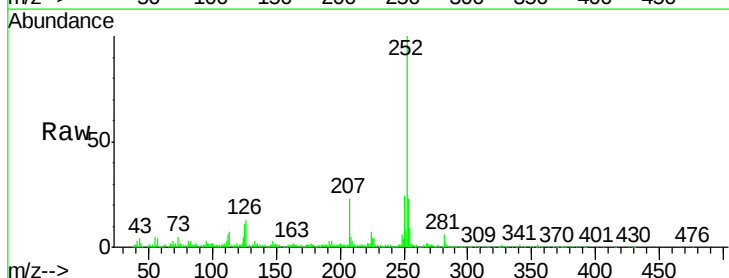
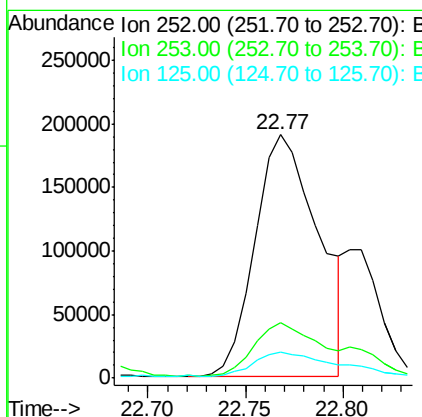
RT: 22.77 min Scan# 3431

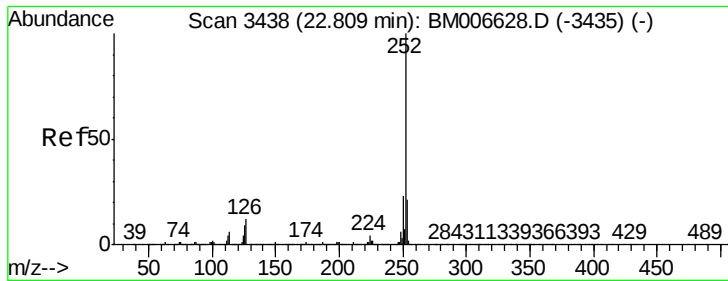
Delta R.T. 0.01 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

Tgt Ion:	252	Resp:	429457
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	10.6	7.6	11.4





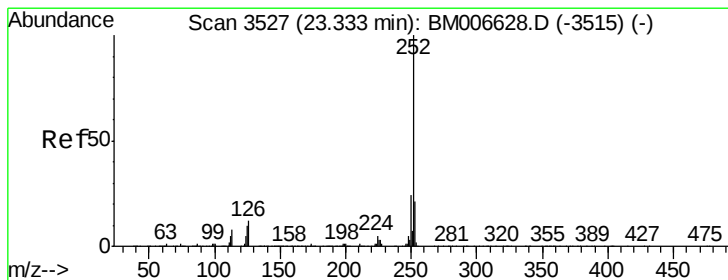
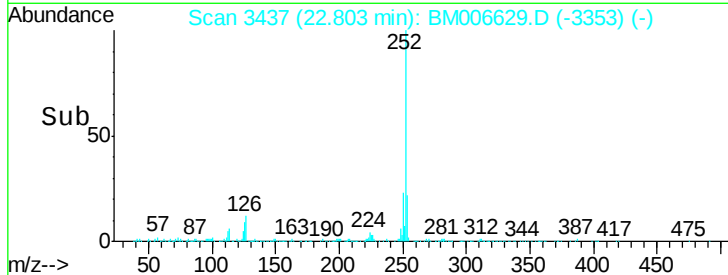
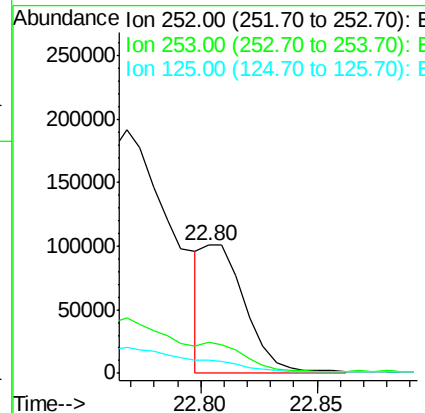
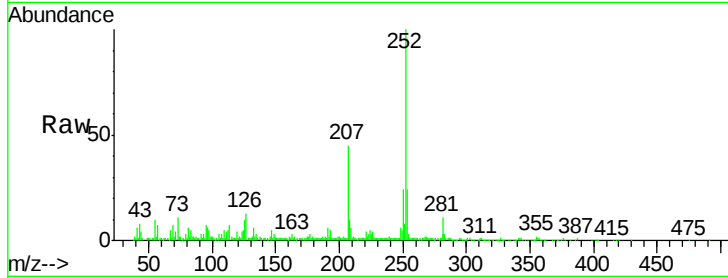
#36
Benzo(k)fluoranthene
Concen: 2.04 ng/ul m
RT: 22.80 min Scan# 3437
Delta R.T. -0.01 min
Lab File: BM006629.D
Acq: 22 Jul 2016 17:58

Instrument :
BNA_M
ClientSampled :
D9YQ2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	10.5	7.7	11.5

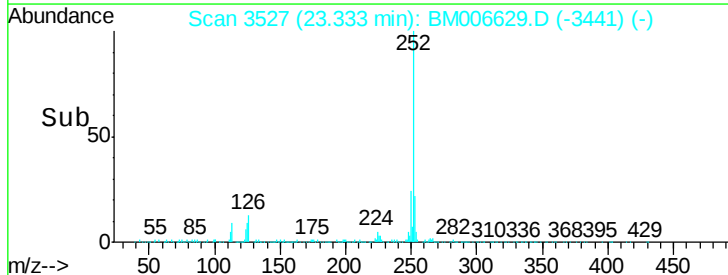
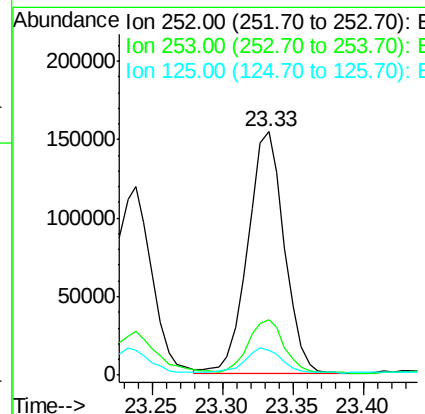
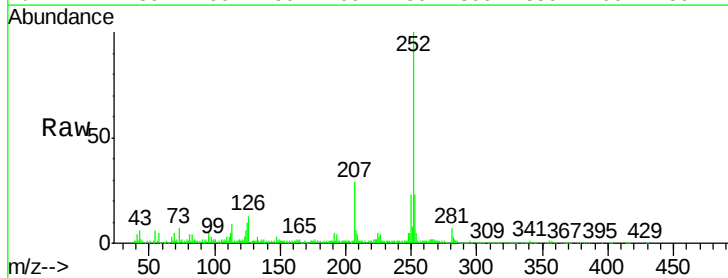
Manual Integrations

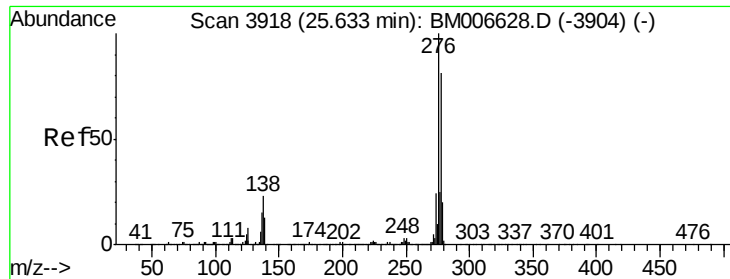
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#38
Benzo(a)pyrene
Concen: 4.41 ng/ul
RT: 23.33 min Scan# 3527
Delta R.T. 0.01 min
Lab File: BM006629.D
Acq: 22 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.3	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006629.D

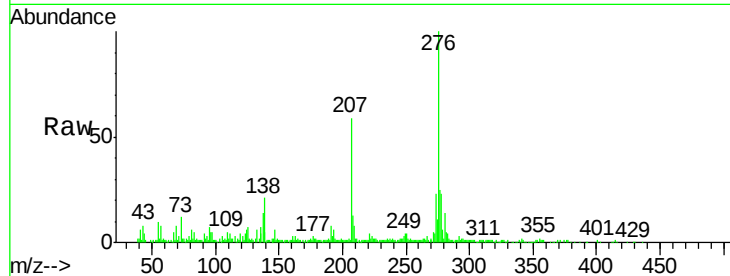
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Instrument :

BNA_M

ClientSampled :

D9YQ2

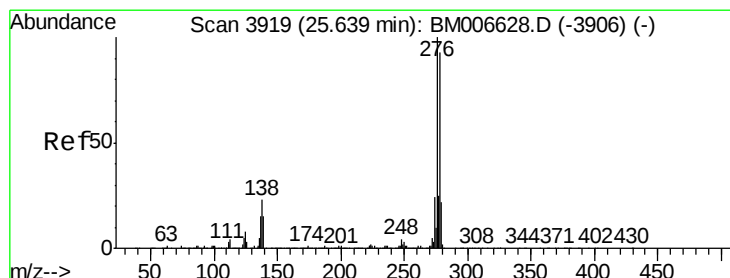
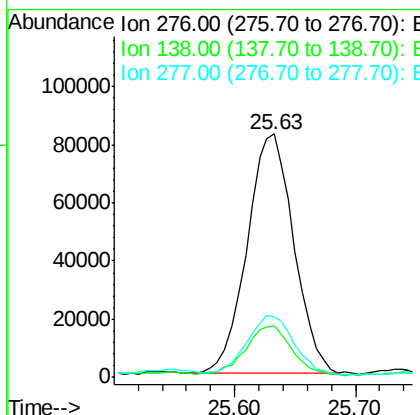
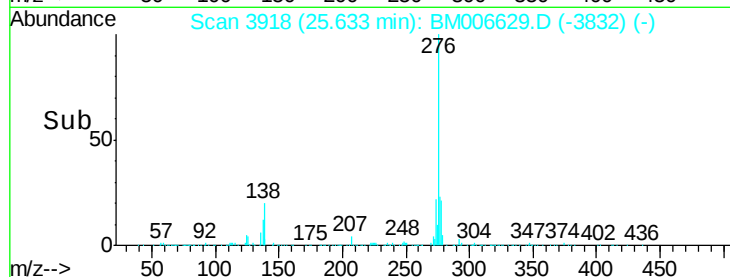


Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	15.8	23.6
277	25.0	19.0	28.6

Manual Integrations

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#40

Dibenzo(a,h)anthracene

Concen: 1.06 ng/ul m

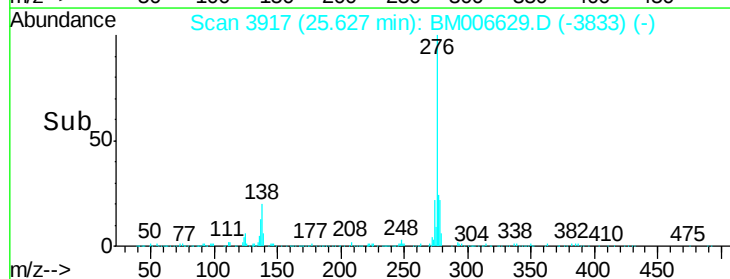
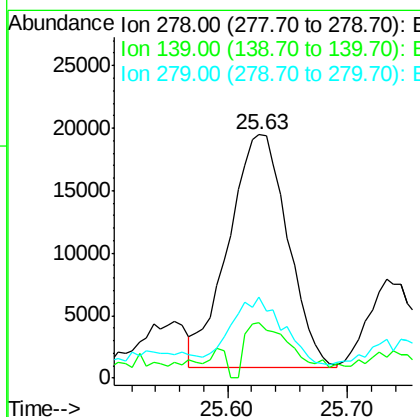
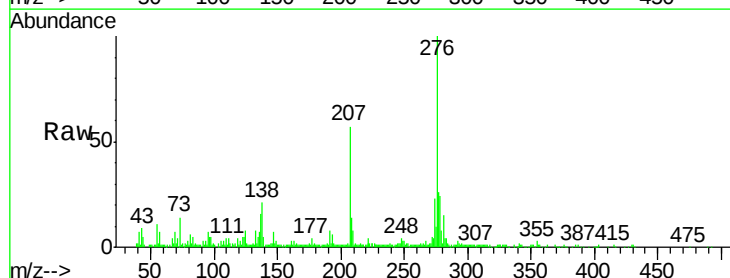
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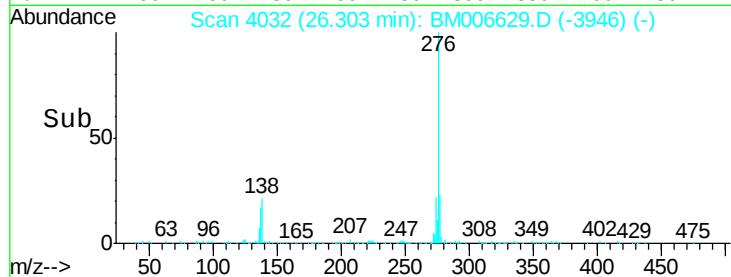
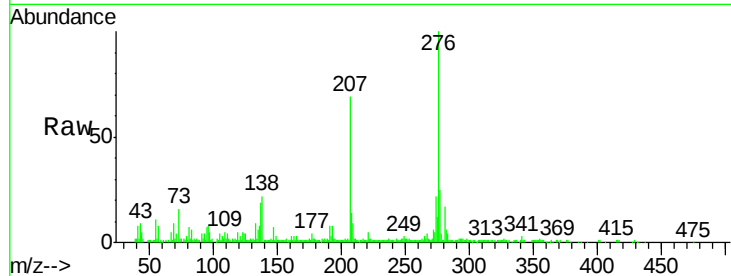
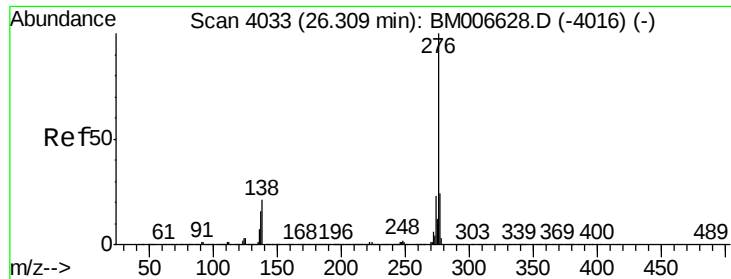
Delta R.T. -0.01 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	12.1	18.1#
279	33.1	19.8	29.8#





#41

Benzo(g,h,i)perylene

Concen: 3.48 ng/ul

RT: 26.30 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BM006629.D

Acq: 22 Jul 2016 17:58

Tgt	Ion:276	Resp:	218821
Ion	Ratio	Lower	Upper
276	100		
138	22.0	13.9	20.9#
277	24.6	19.8	29.6

Instrument :

BNA_M

ClientSampleId :

D9YQ2

Manual Integrations

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