

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006602.D
 Acq On : 22 Jul 2016 00:39
 Operator : UM/SJ
 Sample : H4078-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YS4

Manual Integrations

umangi
 7/22/2016 6:24:36 PM

Quant Time: Jul 22 03:42:28 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	163886	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	687195	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	376977	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	857546	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	918020	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1060908	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	6008	1.48	ng/uL	0.00
3) Phenol-d5	6.79	99	213174	15.29	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	148104	17.15	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	178082	15.98	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	138611	12.82	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	84852	16.31	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	92292	16.68	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	165733	15.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	166555	14.47	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	499909	16.91	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	651027	17.26	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	58052	11.31	ng/ul	0.00
21) Fluorene-d10	15.26	176	461677	17.46	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	49080	11.03	ng/ul	0.00
26) Anthracene-d10	17.11	188	718415	17.64	ng/ul	0.00
30) Pyrene-d10	19.42	212	798564	19.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	868186	17.79	ng/ul	0.01

Target Compounds

					Ovalue
11) Naphthalene	10.44	128	748720	21.13 ng/ul	99
13) 2-Methylnaphthalene	12.06	142	144662	5.56 ng/ul	95
14) 1-Methylnaphthalene	12.28	142	93701	3.78 ng/ul#	93
18) Acenaphthylene	13.99	152	68421	1.69 ng/ul	94
19) Acenaphthene	14.33	153	315120	12.14 ng/ul	96
22) Fluorene	15.32	166	342035	11.69 ng/ul	95
25) Phenanthrene	17.06	178	3187430	66.09 ng/ul	97
27) Anthracene	17.14	178	689705	13.89 ng/ul	98
28) Fluoranthene	19.09	202	4279076m	75.52 ng/ul	
31) Pyrene	19.45	202	3545211	63.78 ng/ul#	95
32) Benzo(a)anthracene	21.20	228	2287687	41.12 ng/ul	98
33) Chrysene	21.26	228	2364158	46.09 ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	3721337	58.51 ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	1161311m	18.89 ng/ul	
38) Benzo(a)pyrene	23.33	252	2498074	40.36 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.62	276	2053648	28.65 ng/ul	98
40) Dibenzo(a,h)anthracene	25.62	278	562019m	9.46 ng/ul	
41) Benzo(g,h,i)perylene	26.30	276	1943200	31.63 ng/ul	97

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

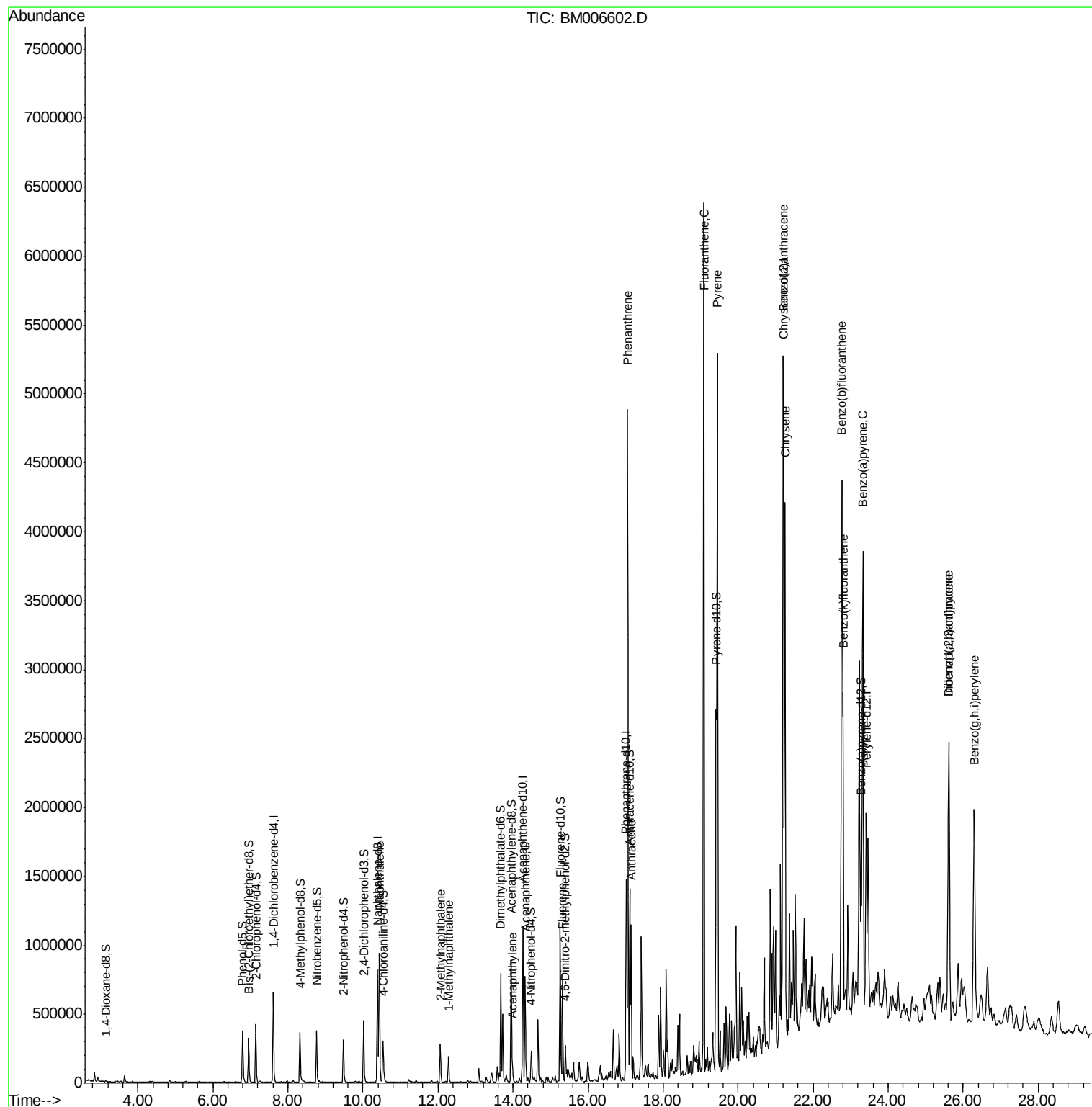
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006602.D
 Acq On : 22 Jul 2016 00:39
 Operator : UM/SJ
 Sample : H4078-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

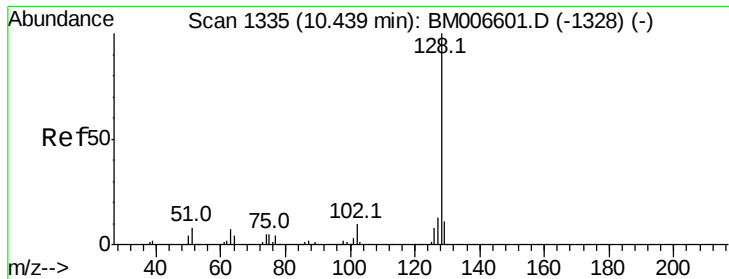
Instrument :
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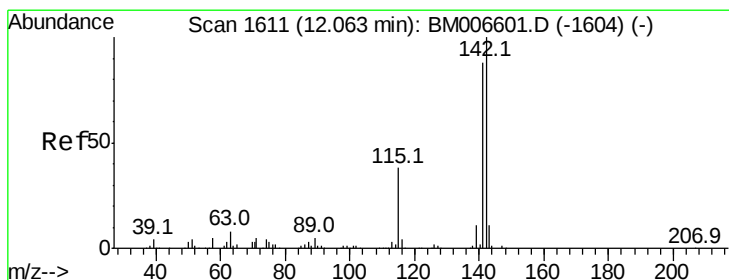
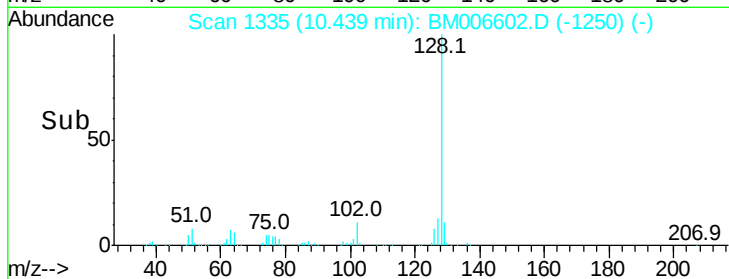
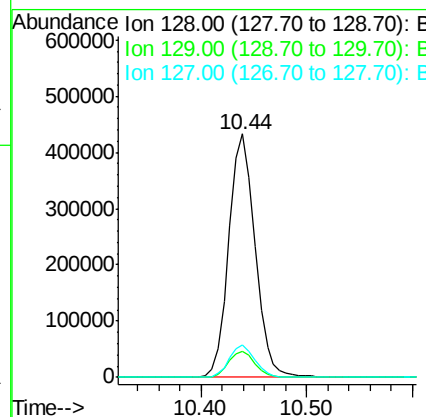
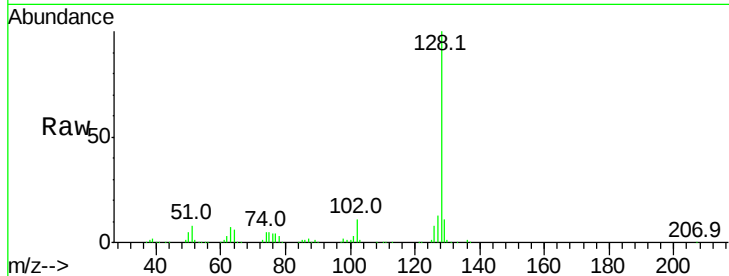
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Naphthalene
Concen: 21.13 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Instrument :
BNA_M
ClientSampled :
D9YS4

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.1	10.8	16.2

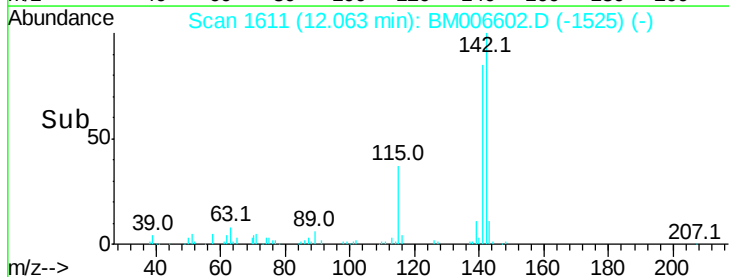
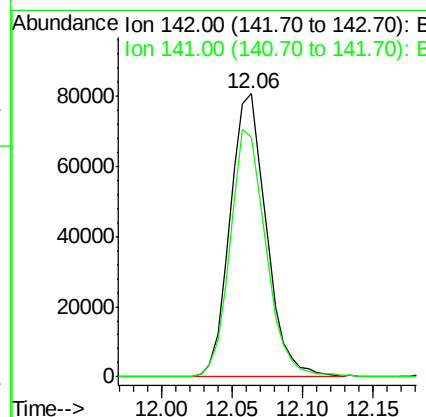
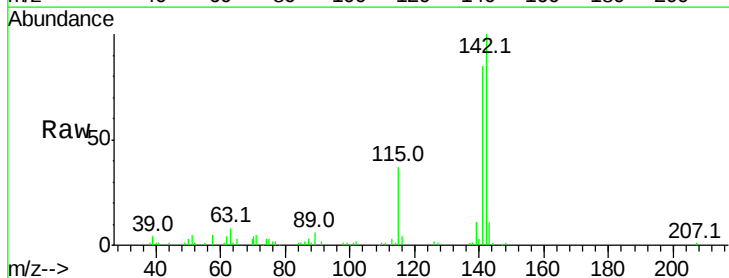
Manual Integrations

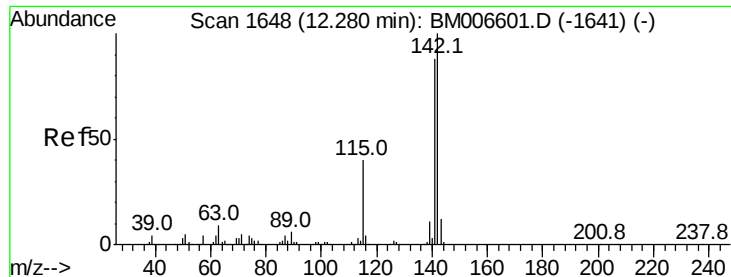
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#13
2-Methylnaphthalene
Concen: 5.56 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	71.3	106.9





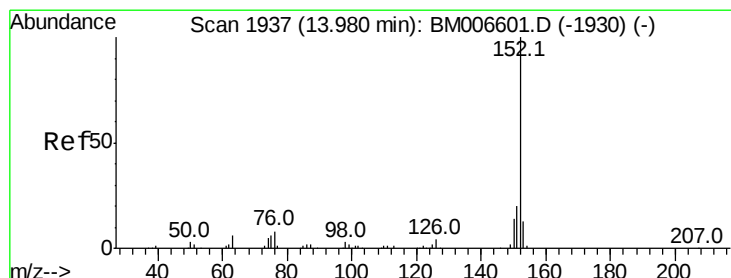
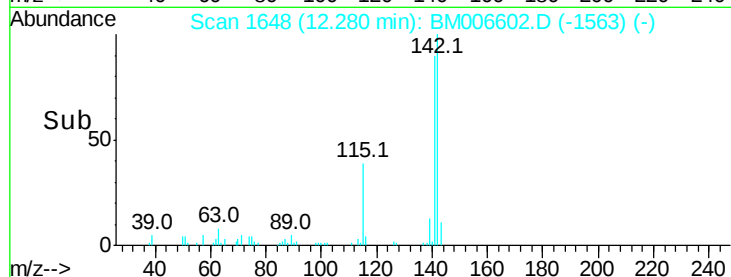
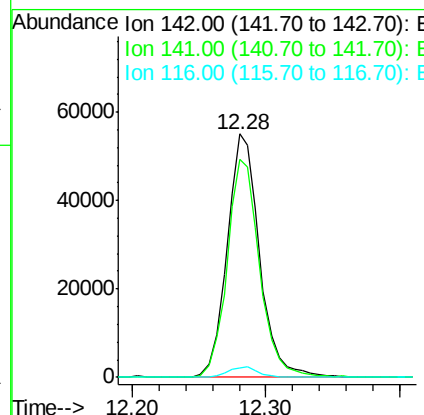
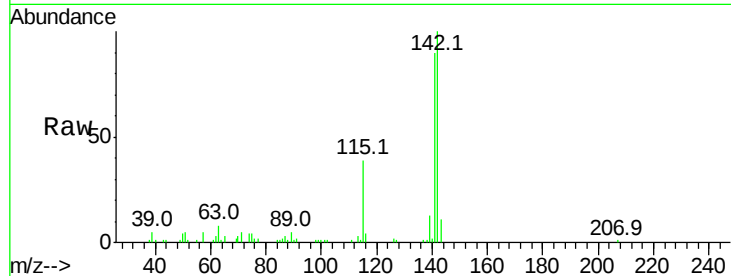
#14
1-Methylnaphthalene
Concen: 3.78 ng/ul
RT: 12.28 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Instrument :
BNA_M
ClientSampled :
D9YS4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	77.0	115.4
116	3.9	4.2	6.4#

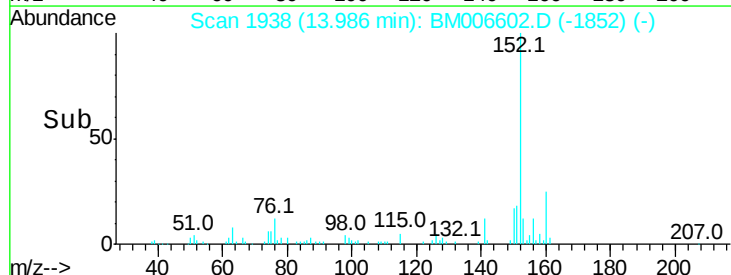
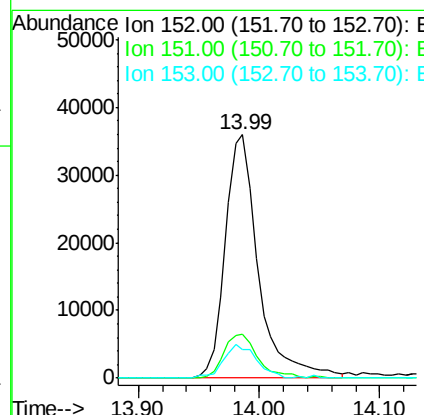
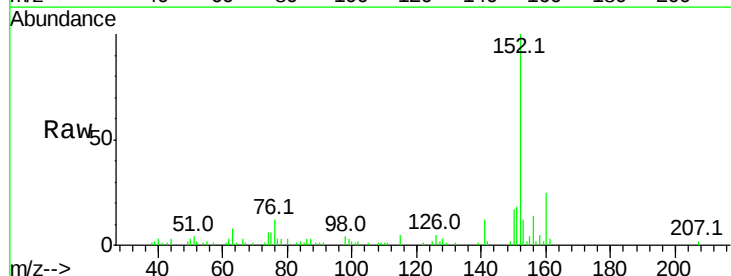
Manual Integrations

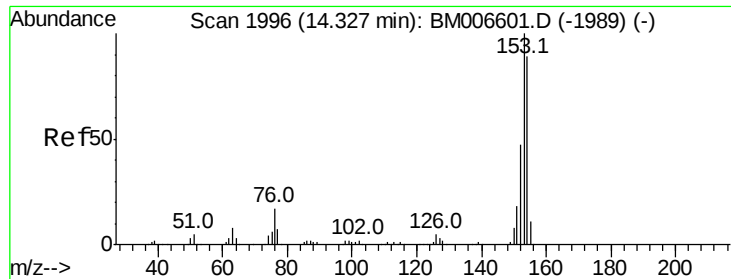
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#18
Acenaphthylene
Concen: 1.69 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	17.3	25.9
153	11.9	11.1	16.7





#19

Acenaphthene

Concen: 12.14 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

Instrument :

BNA_M

ClientSampleId :

D9YS4

Tot Ion:153 Resp: 315120

Ion Ratio Lower Upper

153 100

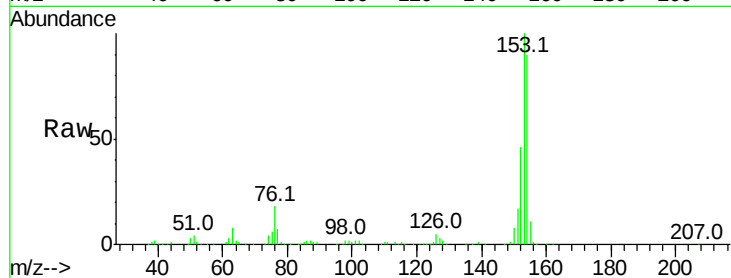
152 46.1 36.5 54.7

154 89.6 67.3 100.9

Manual Integrations

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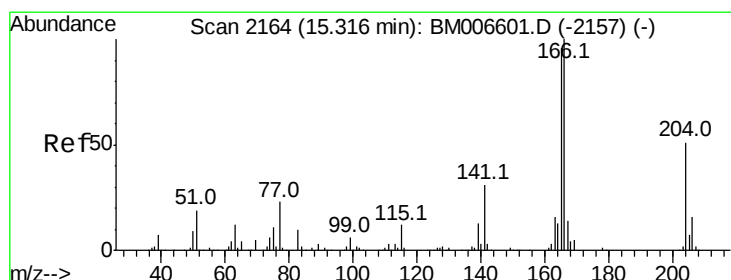
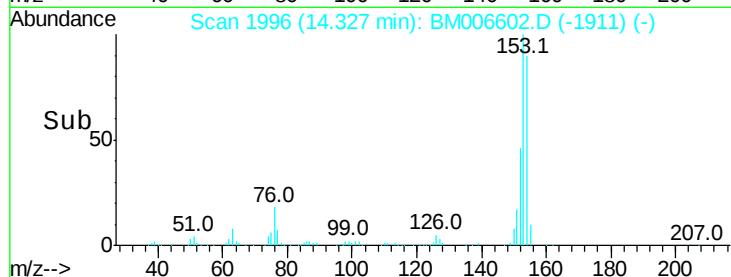
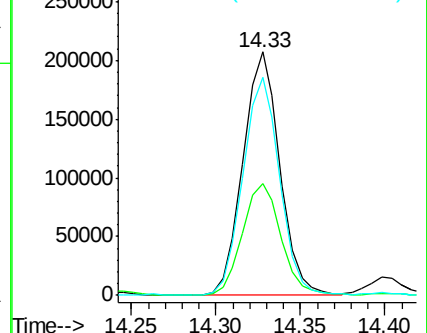
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 11.69 ng/ul

RT: 15.32 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

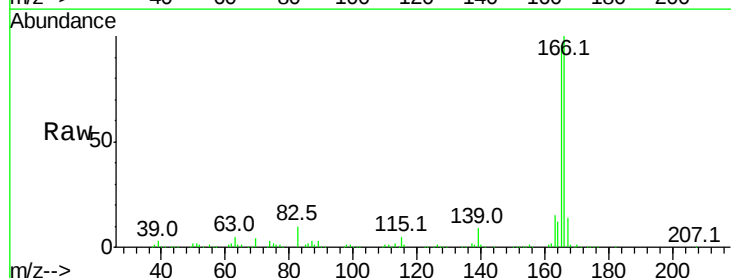
Tgt Ion:166 Resp: 342035

Ion Ratio Lower Upper

166 100

165 95.5 81.1 121.7

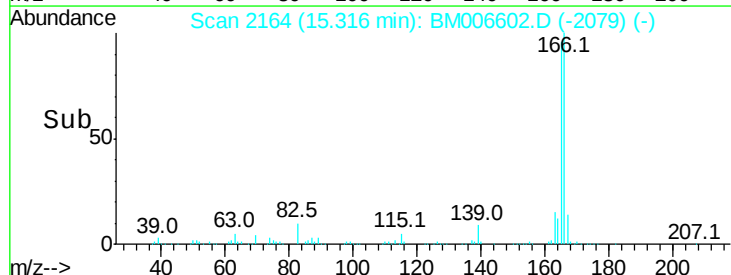
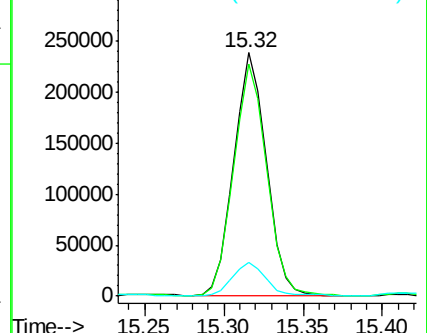
167 13.7 10.6 16.0

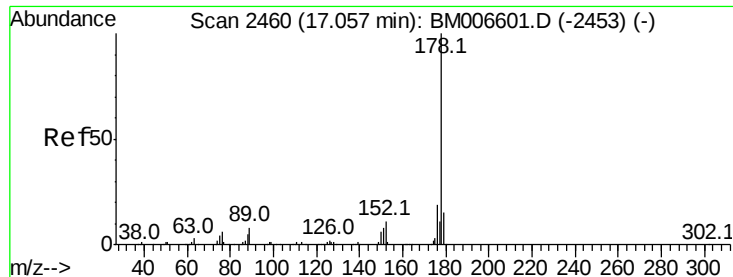


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 66.09 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

Instrument :

BNA_M

ClientSampled :

D9YS4

Tot Ion:178 Resp: 3187430

Ion Ratio Lower Upper

178 100

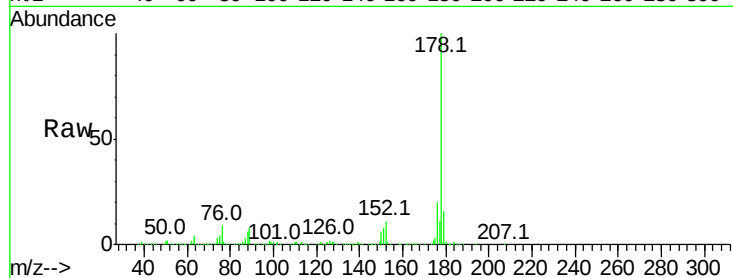
179 15.7 11.8 17.8

176 20.0 14.8 22.2

Manual Integrations

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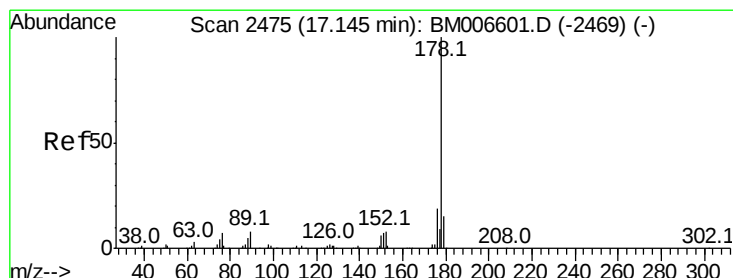
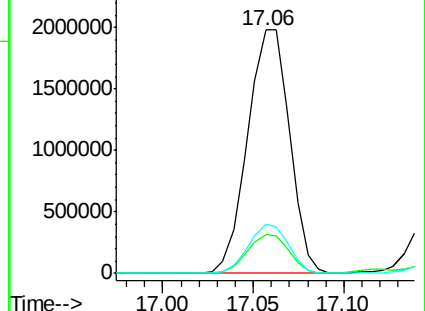
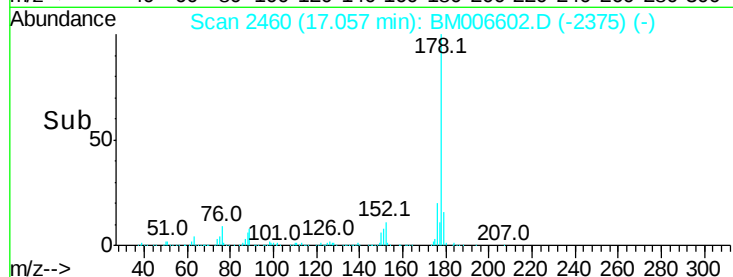
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 13.89 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

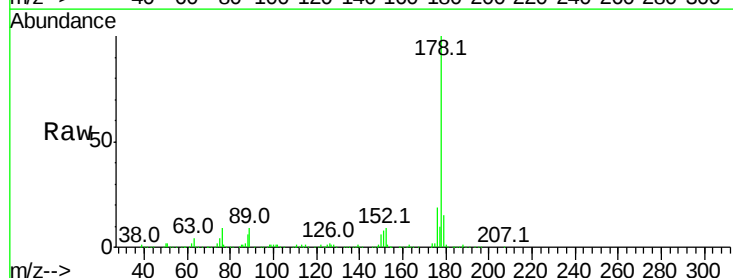
Tgt Ion:178 Resp: 689705

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

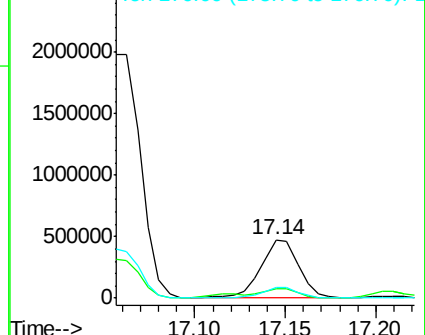
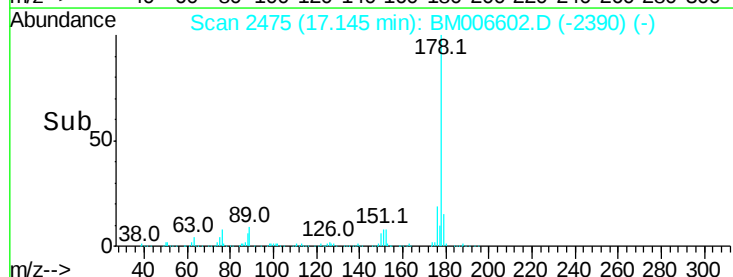
176 18.5 15.6 23.4

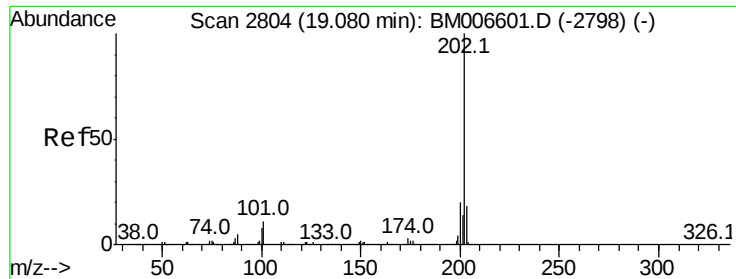


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





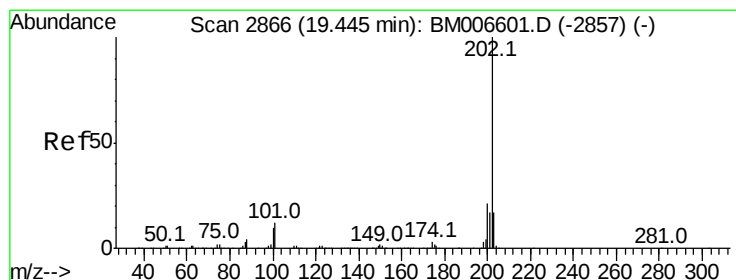
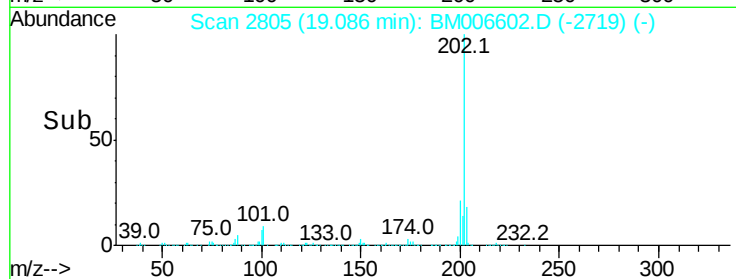
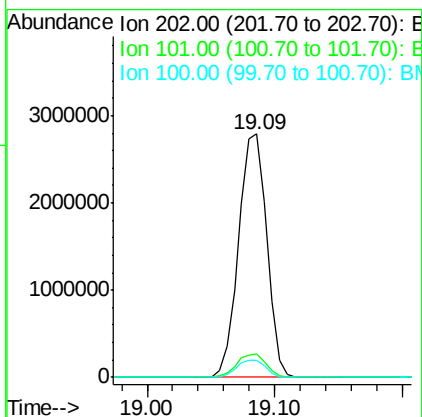
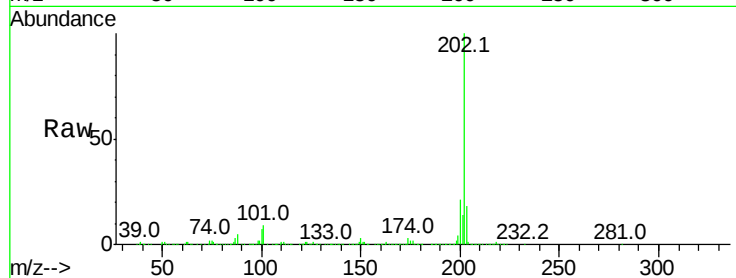
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 Fluoranthene
 Concen: 75.52 ng/ul m
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM006602.D
 Acq: 22 Jul 2016 00:39

Instrument :
 BNA_M
 ClientSampleId :
 D9YS4

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.9	13.3
100	6.9	7.0	10.4

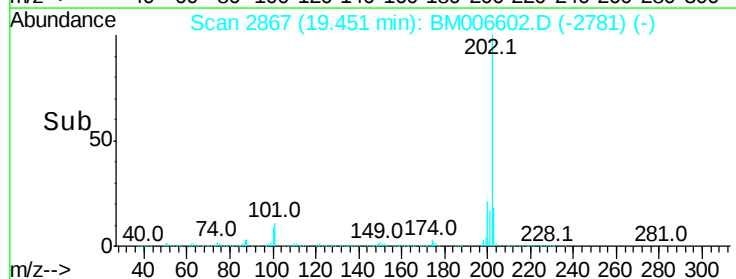
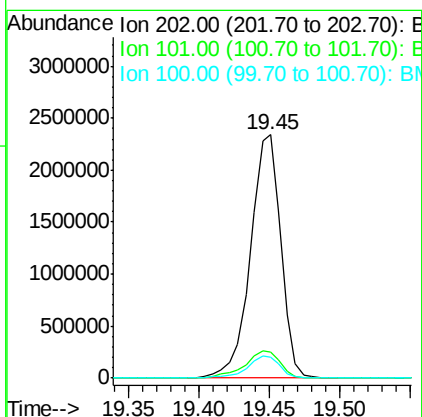
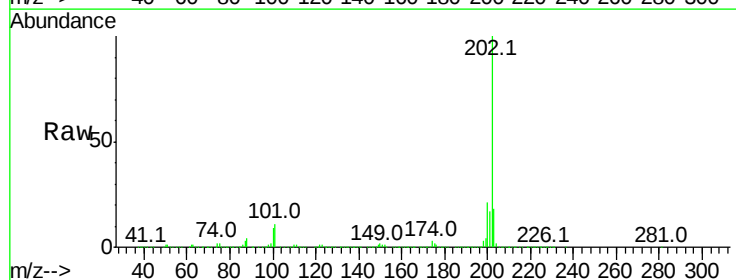
Manual Integrations

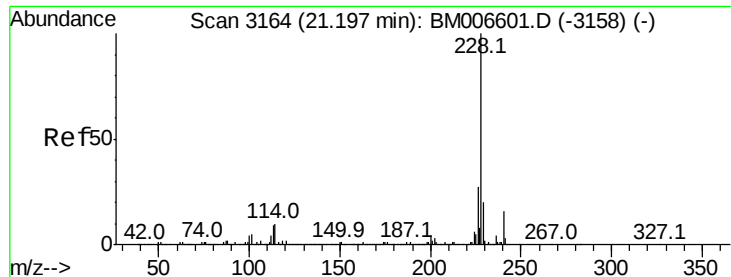
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#31
 Pyrene
 Concen: 63.78 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BM006602.D
 Acq: 22 Jul 2016 00:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
100	8.8	9.3	13.9





#32

Benzo(a)anthracene

Concen: 41.12 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

Instrument :

BNA_M

ClientSampleId :

D9YS4

Tot Ion:228 Resp: 2287687

Ion Ratio Lower Upper

228 100

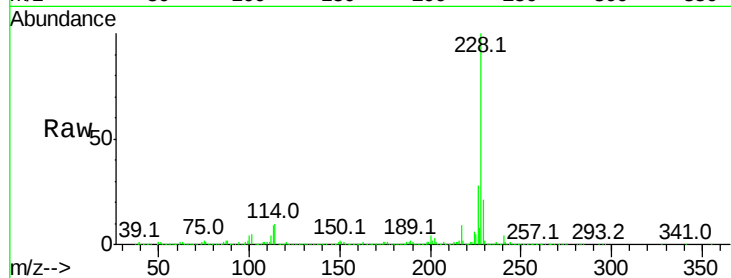
229 20.6 16.6 25.0

226 27.9 21.0 31.4

Manual Integrations

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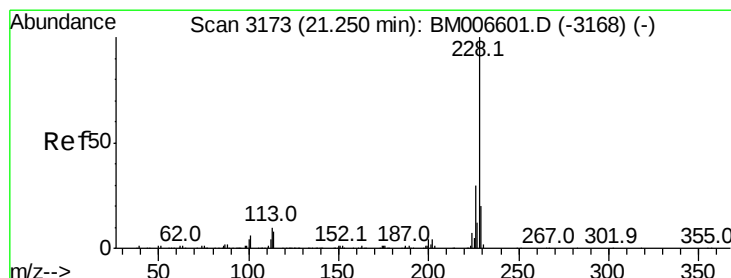
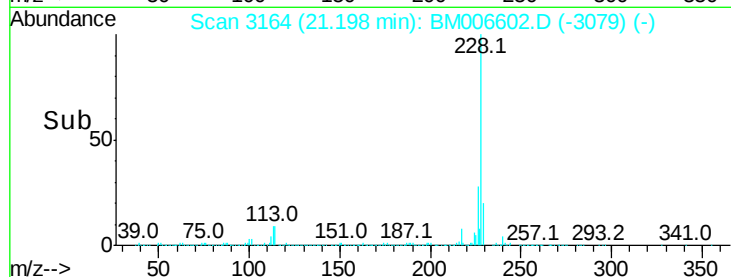
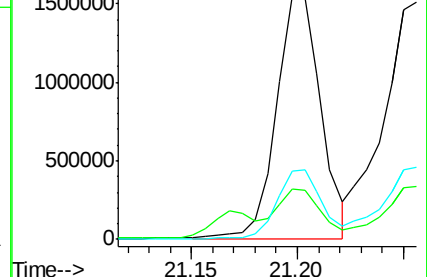
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 46.09 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006602.D

Acq: 22 Jul 2016 00:39

Tgt Ion:228 Resp: 2364158

Ion Ratio Lower Upper

228 100

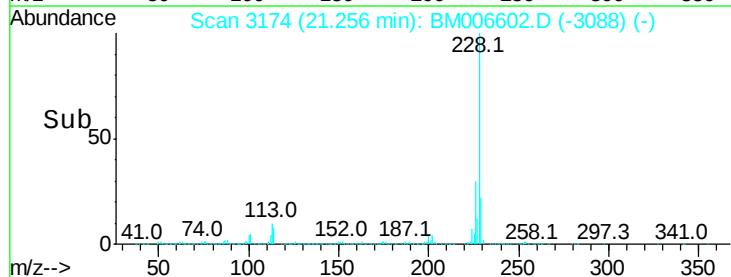
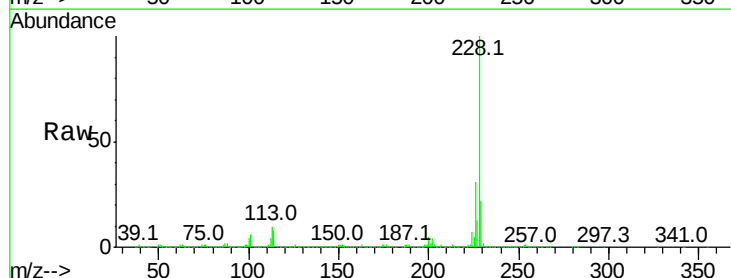
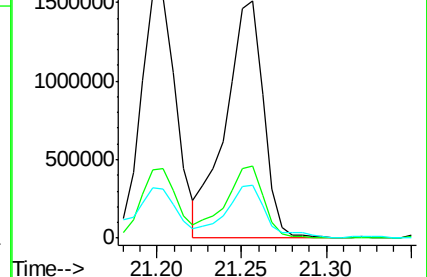
226 30.6 23.4 35.2

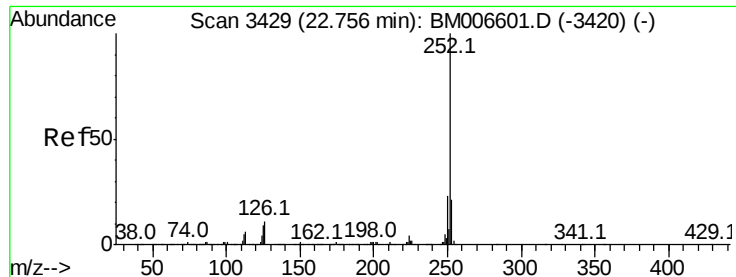
229 22.4 16.2 24.2

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





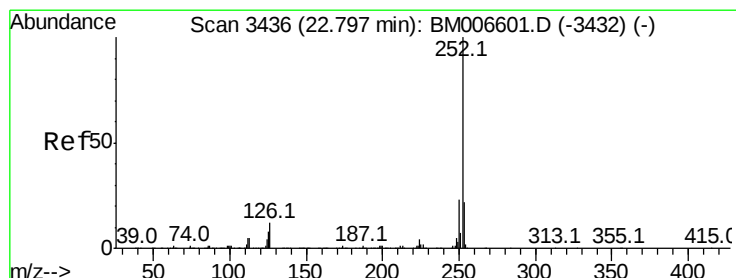
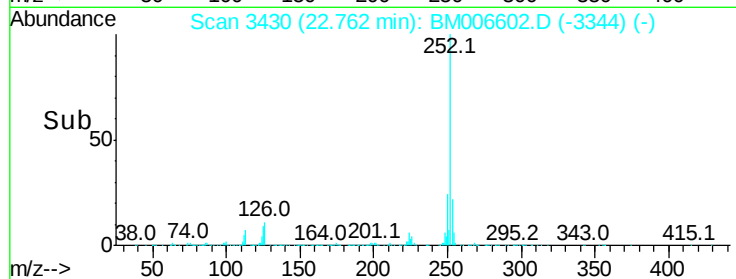
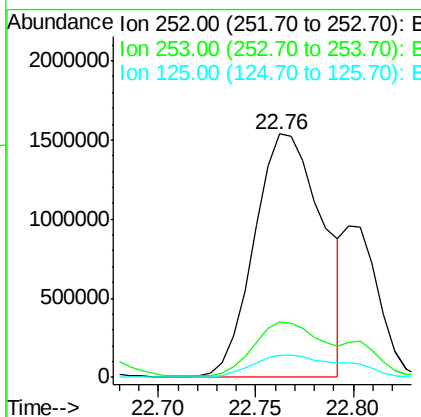
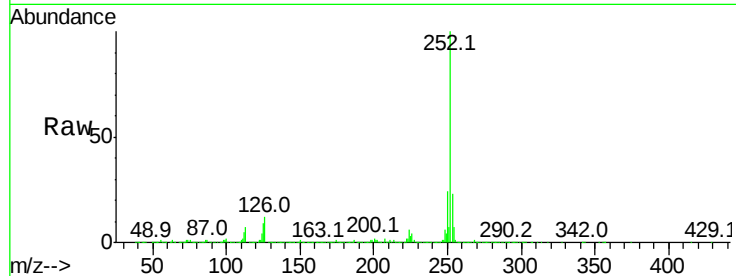
#35
Benzo(b)fluoranthene
Concen: 58.51 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Instrument :
BNA_M
ClientSampleId :
D9YS4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	8.9	7.6	11.4

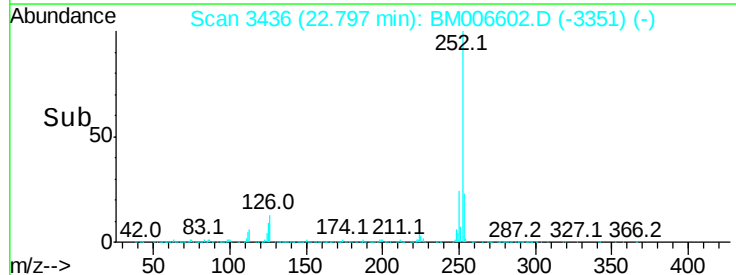
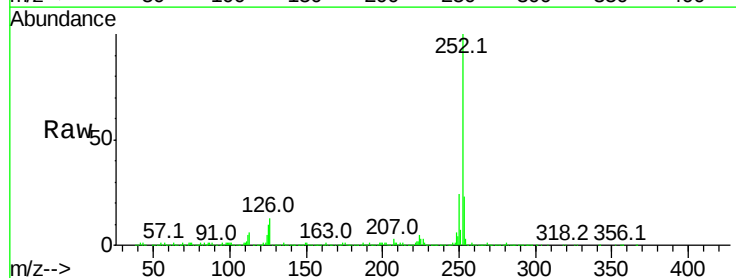
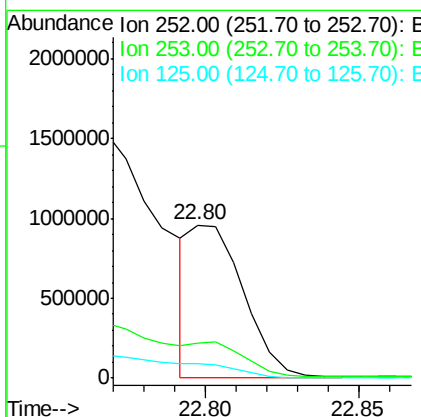
Manual Integrations

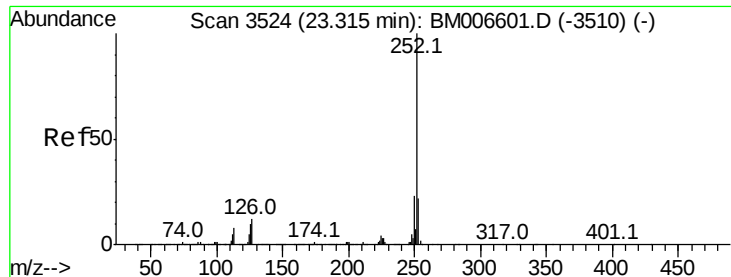
umangi
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#36
Benzo(k)fluoranthene
Concen: 18.89 ng/ul m
RT: 22.80 min Scan# 3436
Delta R.T. 0.00 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	9.5	7.7	11.5





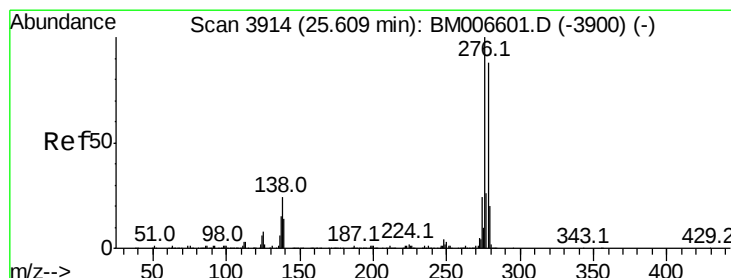
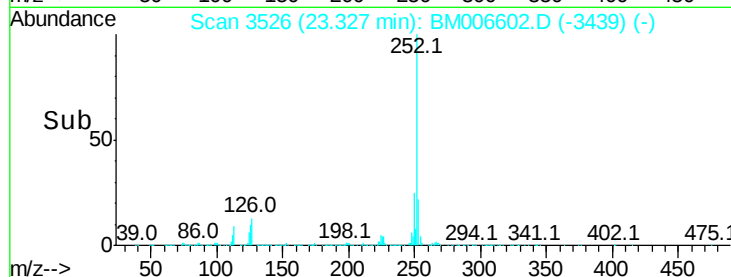
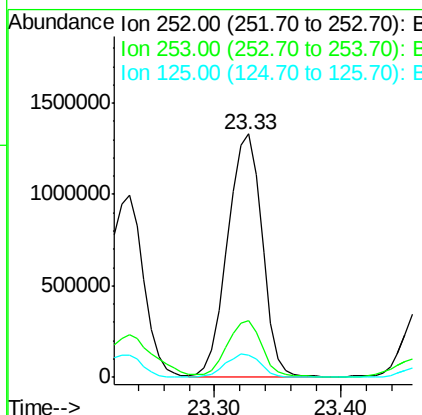
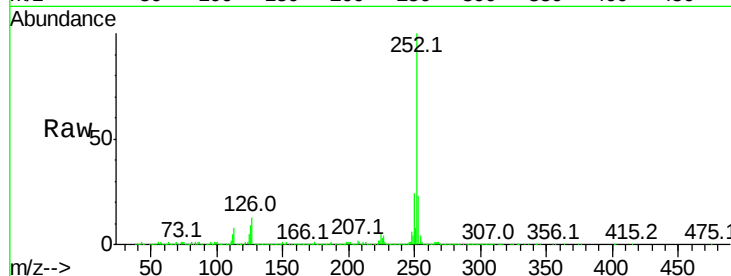
#38
Benzo(a)pyrene
Concen: 40.36 ng/ul
RT: 23.33 min Scan# 3526
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Instrument :
BNA_M
ClientSampleId :
D9YS4

Tot Ion:252 Resp: 2498074
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 9.2 8.2 12.2

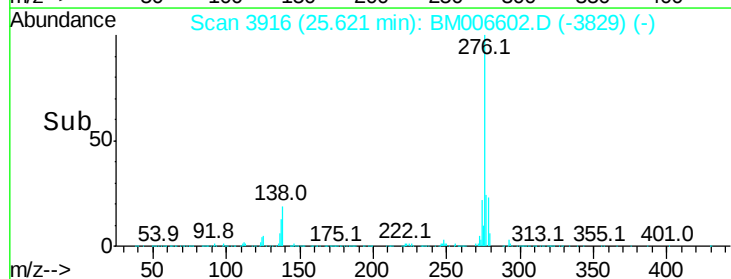
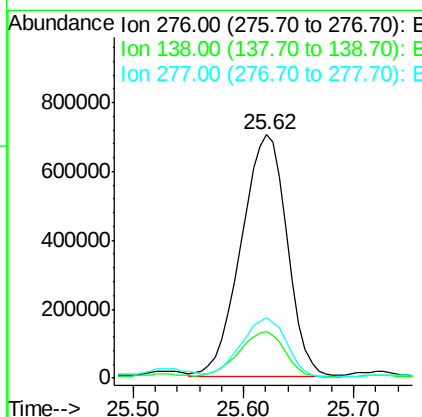
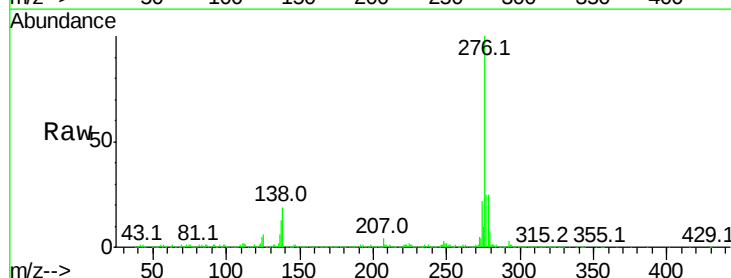
Manual Integrations

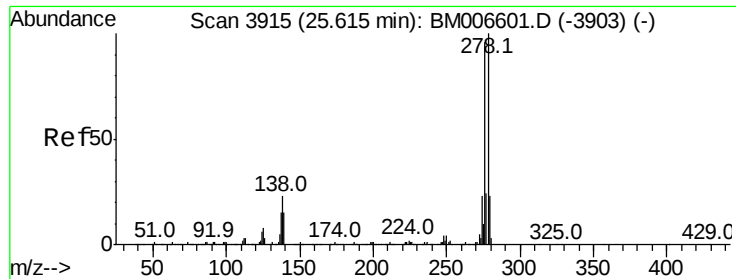
umangi
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#39
Indeno(1,2,3-cd)pyrene
Concen: 28.65 ng/ul
RT: 25.62 min Scan# 3916
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Tgt Ion:276 Resp: 2053648
Ion Ratio Lower Upper
276 100
138 19.3 15.8 23.6
277 25.0 19.0 28.6





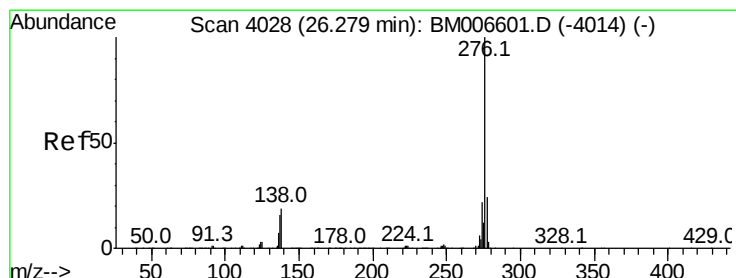
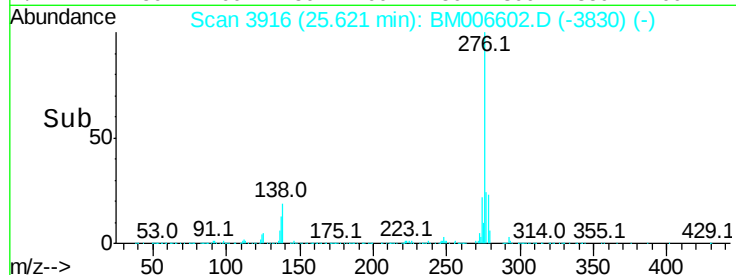
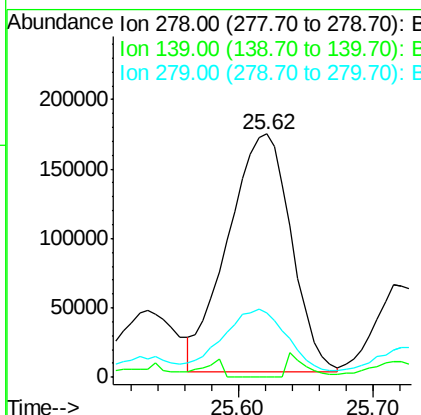
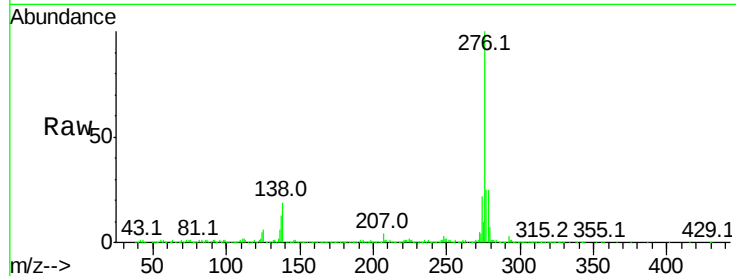
#40
Dibenzo(a,h)anthracene
Concen: 9.46 ng/ul m
RT: 25.62 min Scan# 3916
Delta R.T. 0.01 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Instrument :
BNA_M
ClientSampleId :
D9YS4

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.1	18.1
279	26.4	19.8	29.8

Manual Integrations

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#41
Benzo(g,h,i)perylene
Concen: 31.63 ng/ul
RT: 26.30 min Scan# 4031
Delta R.T. 0.02 min
Lab File: BM006602.D
Acq: 22 Jul 2016 00:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	13.9	20.9
277	24.1	19.8	29.6

