

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006604.D
 Acq On : 22 Jul 2016 01:52
 Operator : UM/SJ
 Sample : H4078-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YR9

Manual Integrations

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 7/22/2016 6:24:40 PM

Quant Time: Jul 22 08:26:54 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	159065	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	668614	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	365729	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	815315m	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	923032	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	994361	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	6098	1.55	ng/uL	0.00
3) Phenol-d5	6.79	99	230674	17.05	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	160960	19.20	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	195258	18.06	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	151112	14.40	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	95105	18.79	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	100595	18.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	180293	17.73	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	156728	13.99	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	553354	19.30	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	719172	19.65	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	35769	7.18	ng/ul	0.01
21) Fluorene-d10	15.26	176	503741	19.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	39141	9.25	ng/ul	0.00
26) Anthracene-d10	17.11	188	771048	19.92	ng/ul	0.00
30) Pyrene-d10	19.42	212	877023	20.85	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	909397	19.88	ng/ul	0.00

Target Compounds

					Ovalue
11) Naphthalene	10.44	128	37350	1.08 ng/ul#	94
13) 2-Methylnaphthalene	12.06	142	27375	1.08 ng/ul	96
25) Phenanthrene	17.06	178	392915m	8.57 ng/ul	
27) Anthracene	17.14	178	85186	1.80 ng/ul	98
28) Fluoranthene	19.08	202	805281m	14.95 ng/ul	
31) Pyrene	19.44	202	679430	12.16 ng/ul	98
32) Benzo(a)anthracene	21.20	228	426021	7.62 ng/ul	98
33) Chrysene	21.25	228	418779	8.12 ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	641349	10.76 ng/ul	100
36) Benzo(k)fluoranthene	22.79	252	196349m	3.41 ng/ul	
38) Benzo(a)pyrene	23.32	252	410196	7.07 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.61	276	314184	4.68 ng/ul	100
40) Dibenzo(a,h)anthracene	25.61	278	85485m	1.54 ng/ul	
41) Benzo(g,h,i)perylene	26.28	276	309962	5.38 ng/ul	99

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

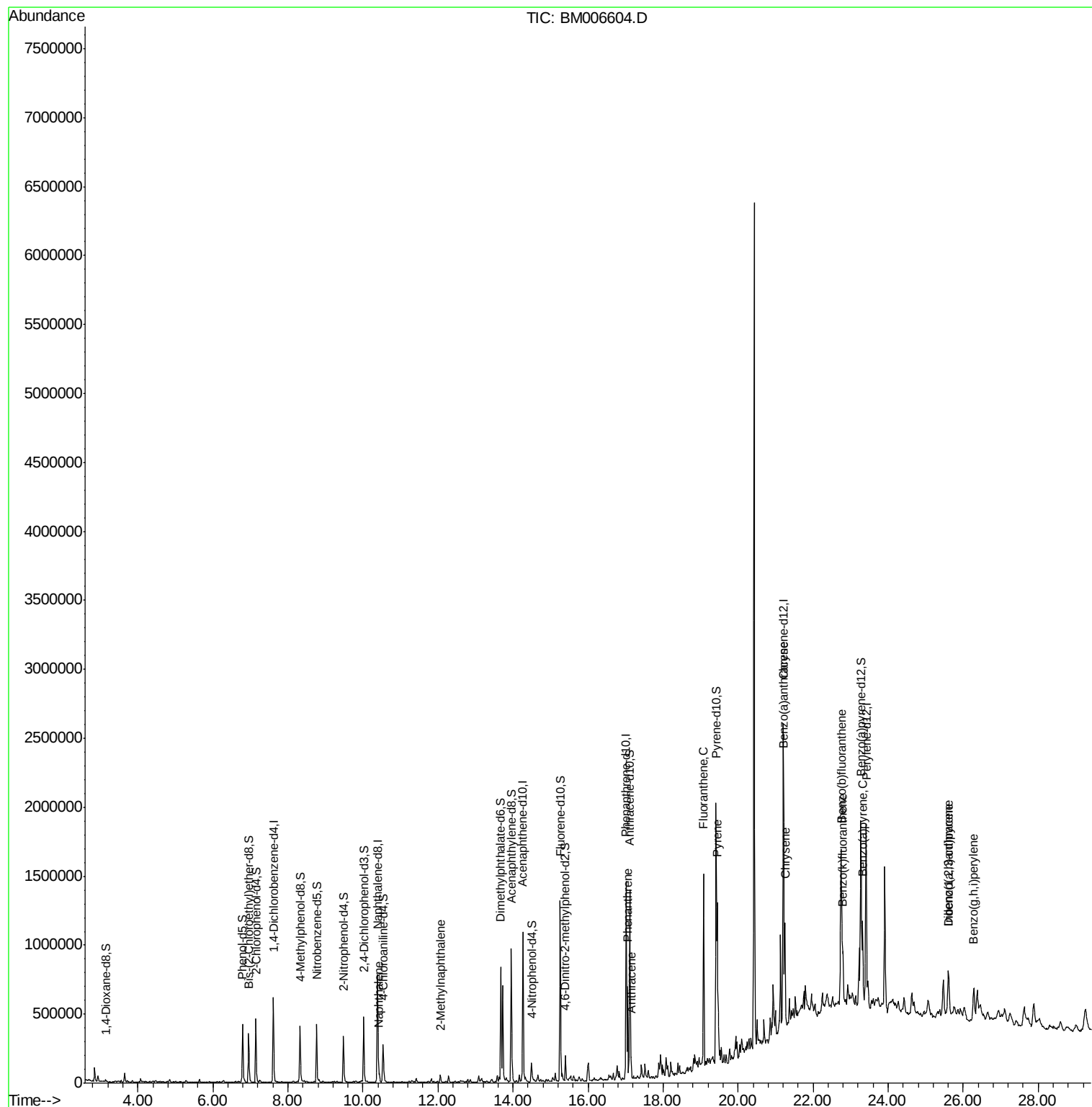
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006604.D
Acq On : 22 Jul 2016 01:52
Operator : UM/SJ
Sample : H4078-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

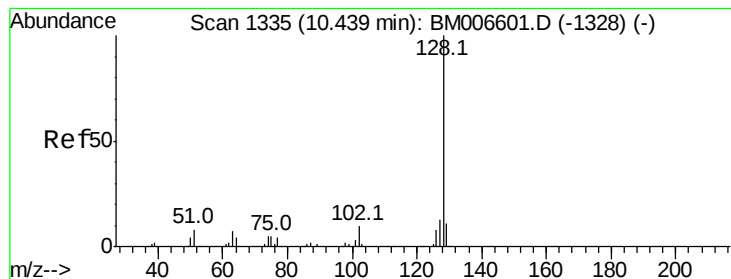
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
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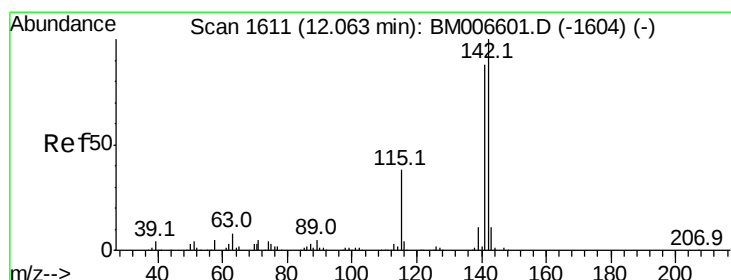
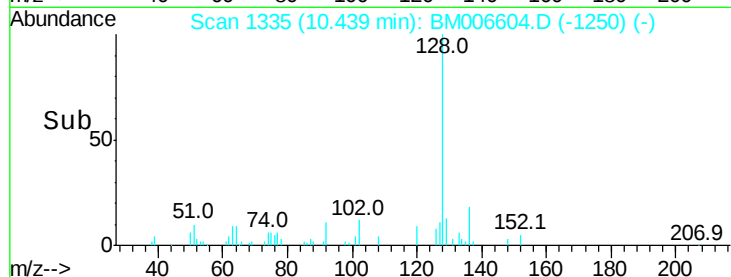
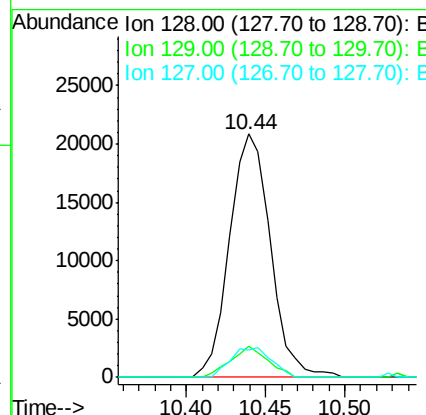
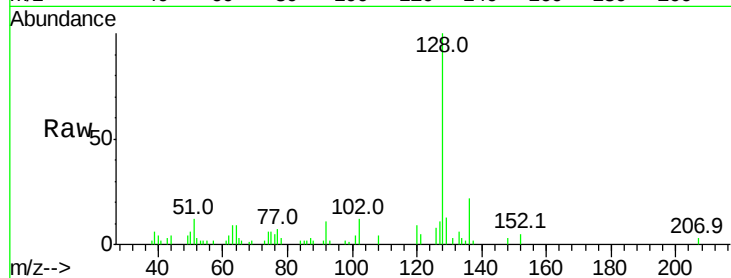
#11
Naphthalene
Concen: 1.08 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Instrument :
BNA_M
ClientSampleId :
D9YR9

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.3	12.5#
127	11.2	10.8	16.2

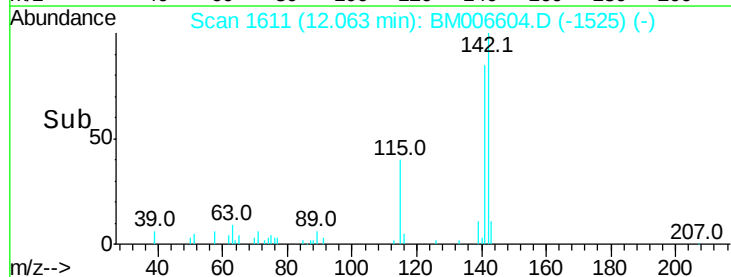
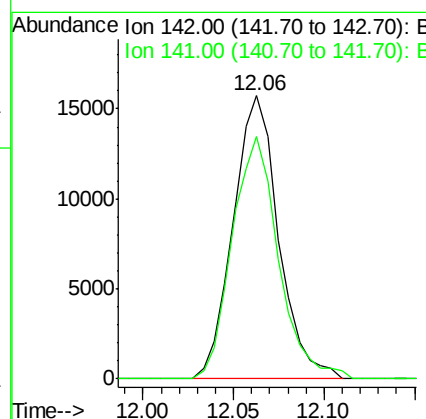
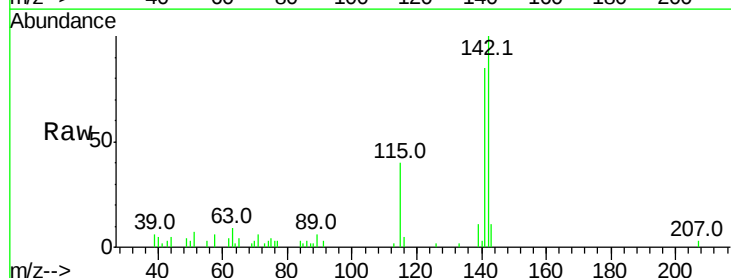
Manual Integrations

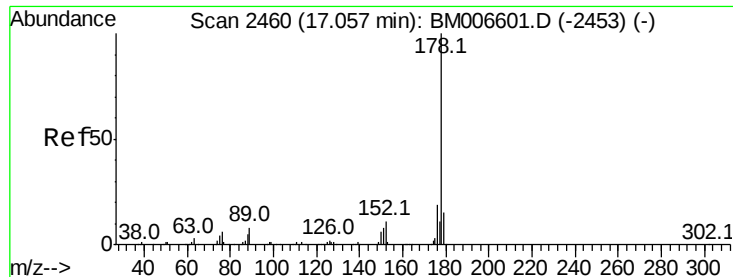
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#13
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	71.3	106.9





#25

Phenanthrene

Concen: 8.57 ng/ul m

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

D9YR9

Tot Ion:178 Resp: 392915

Ion Ratio Lower Upper

178 100

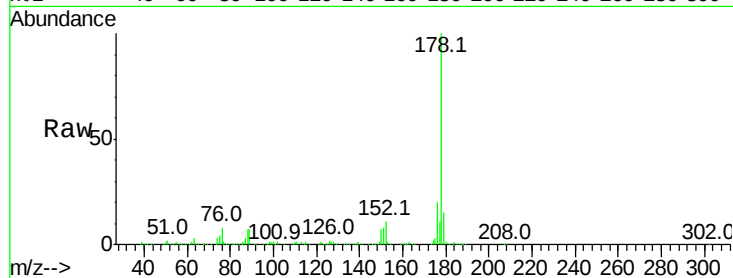
179 15.5 11.8 17.8

176 19.9 14.8 22.2

Manual Integrations

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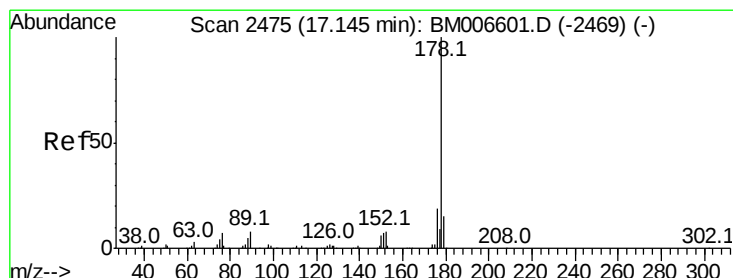
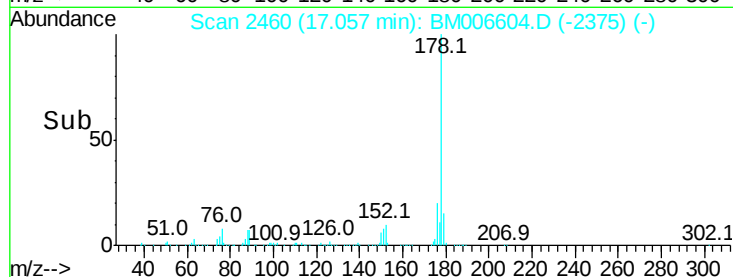
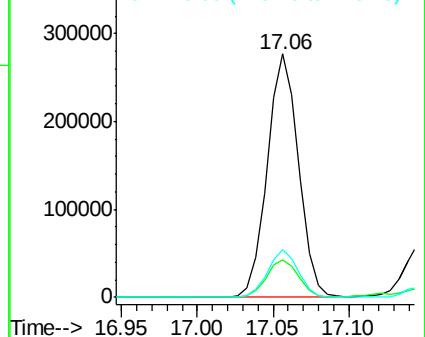
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 1.80 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

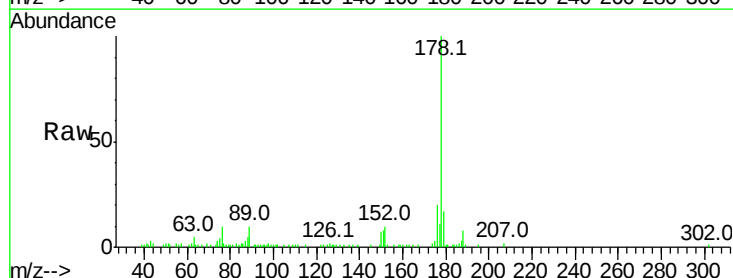
Tgt Ion:178 Resp: 85186

Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

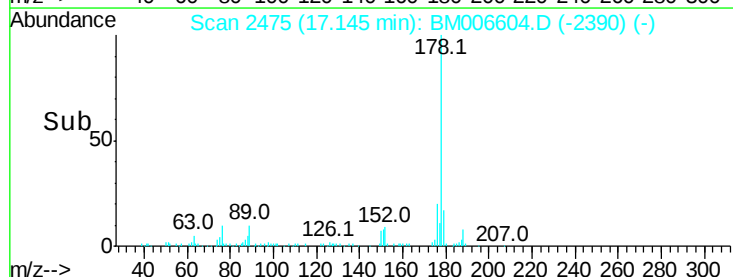
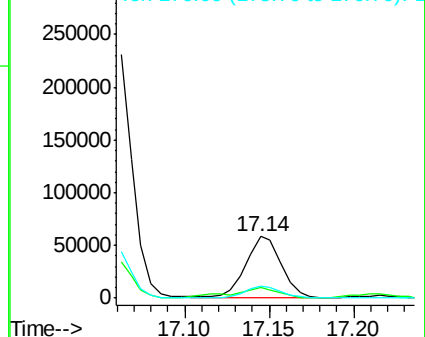
176 20.0 15.6 23.4

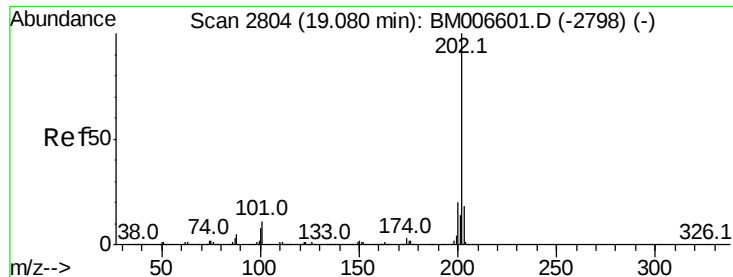


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 14.95 ng/ul m

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

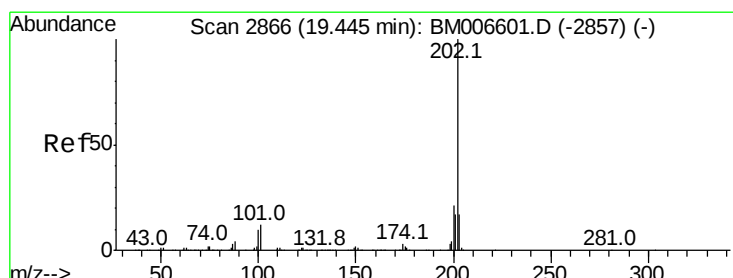
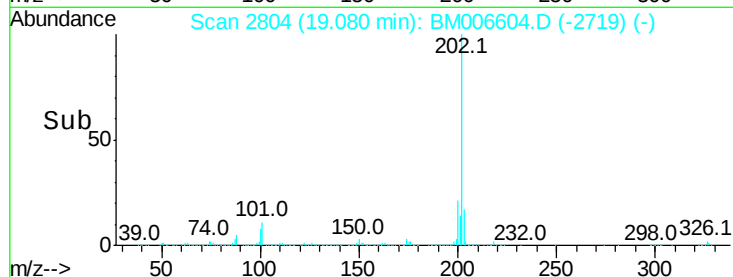
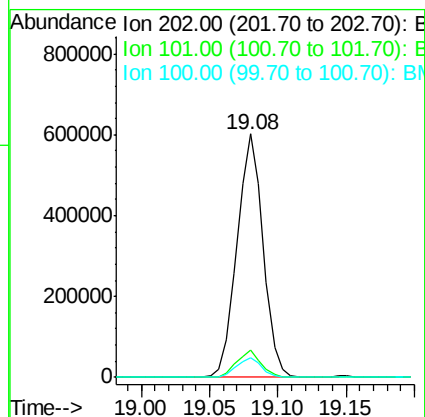
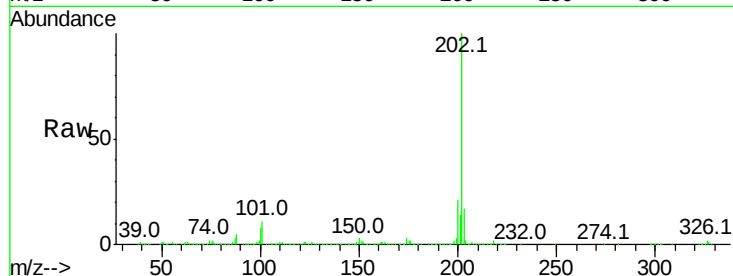
D9YR9

Tot Ion:	202	Resp:	805281
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.9	13.3
100	8.0	7.0	10.4

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#31

Pyrene

Concen: 12.16 ng/ul

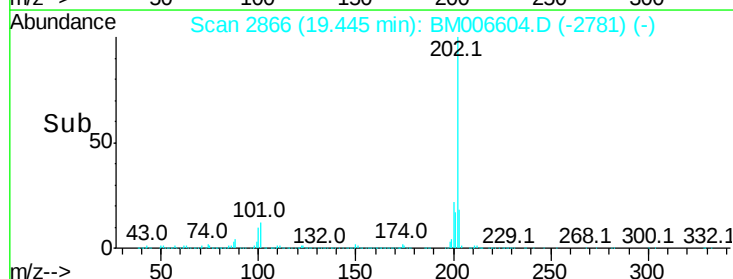
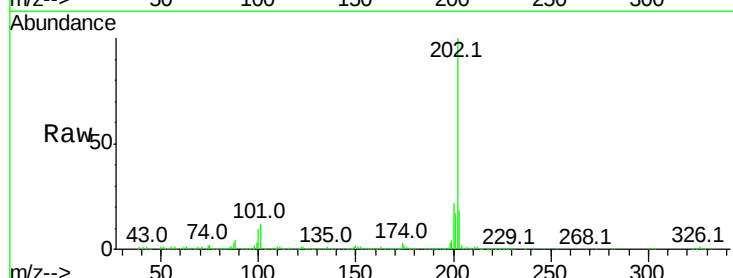
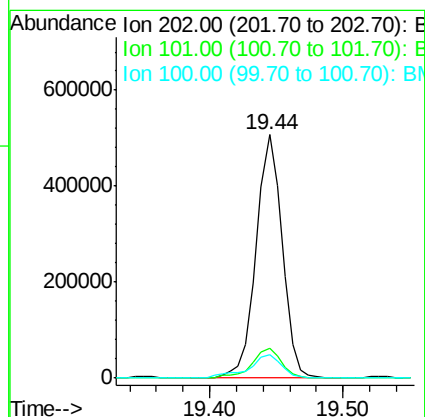
RT: 19.44 min Scan# 2866

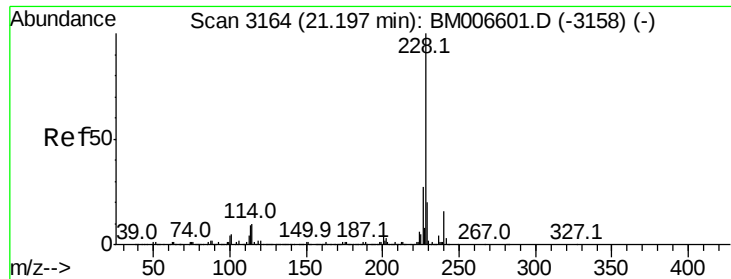
Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Tgt Ion:	202	Resp:	679430
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.8	14.8
100	9.8	9.3	13.9





#32

Benzo(a)anthracene

Concen: 7.62 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

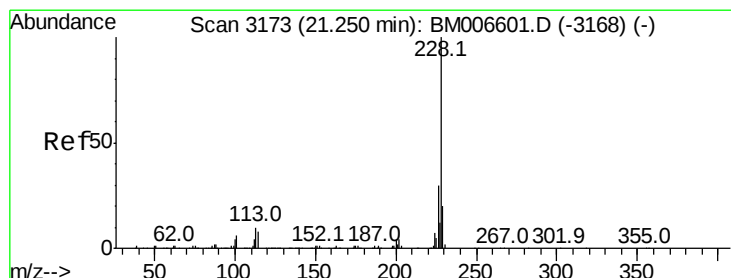
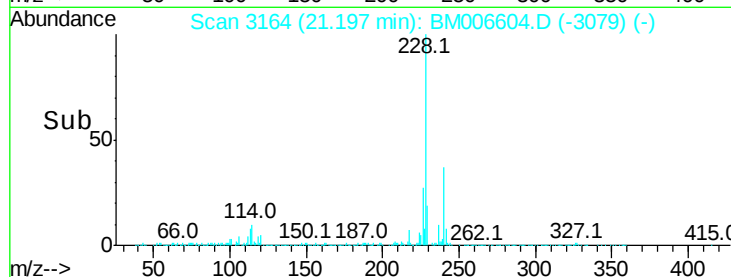
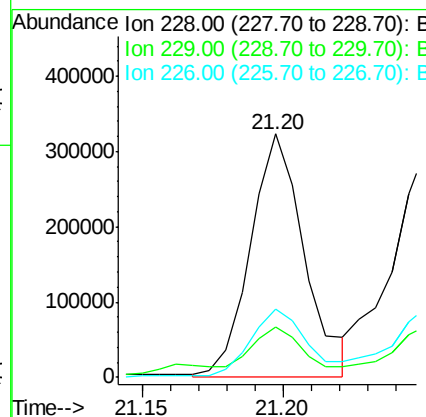
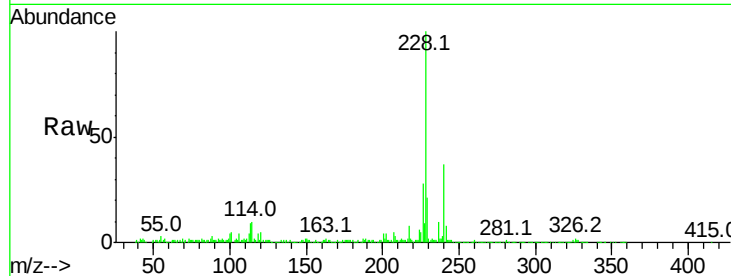
D9YR9

Tot Ion:	228	Resp:	426021
Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.6	25.0
226	27.9	21.0	31.4

Manual Integrations

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#33

Chrysene

Concen: 8.12 ng/ul

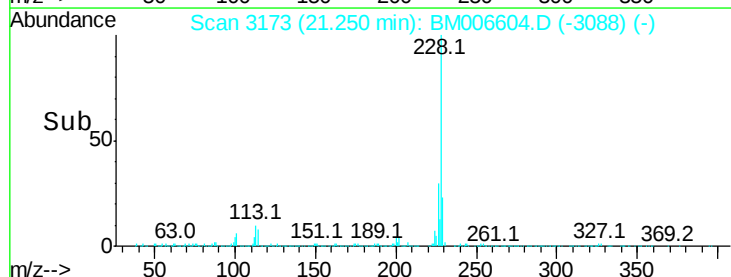
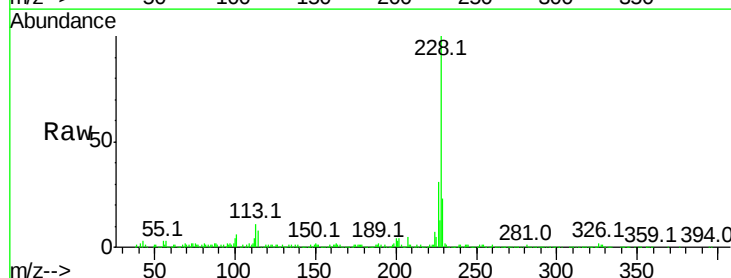
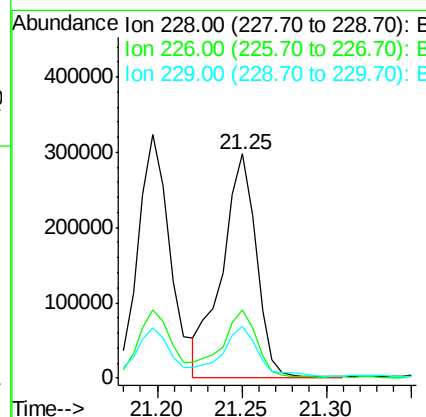
RT: 21.25 min Scan# 3173

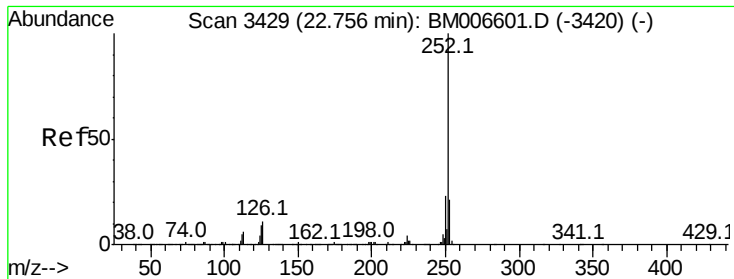
Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Tgt Ion:	228	Resp:	418779
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	23.0	16.2	24.2





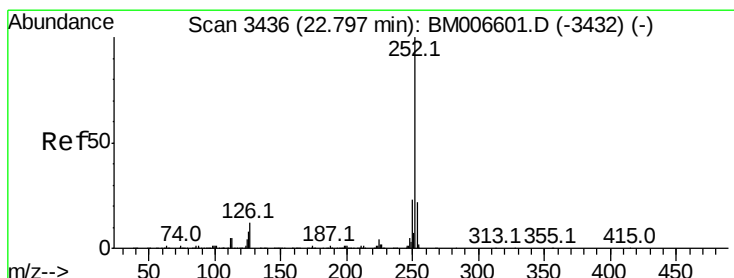
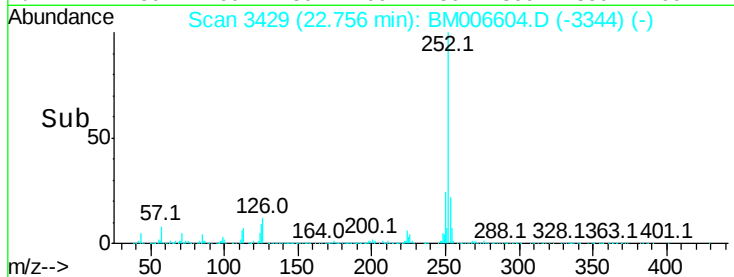
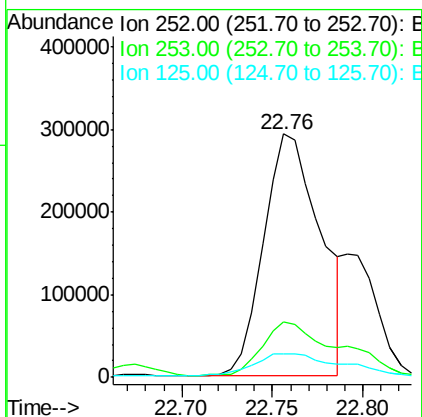
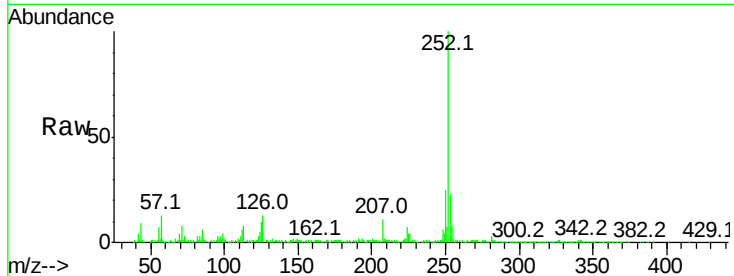
#35
Benzo(b)fluoranthene
Concen: 10.76 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Instrument :
BNA_M
ClientSampleId :
D9YR9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	9.7	7.6	11.4

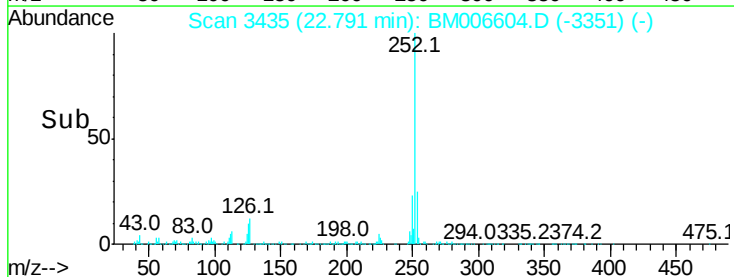
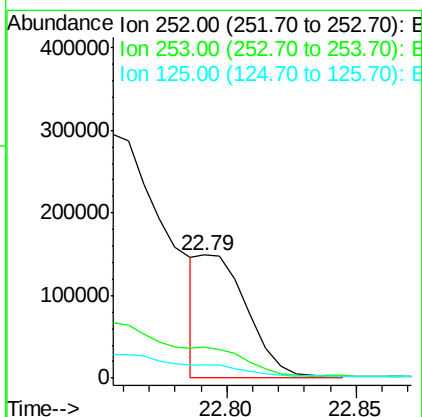
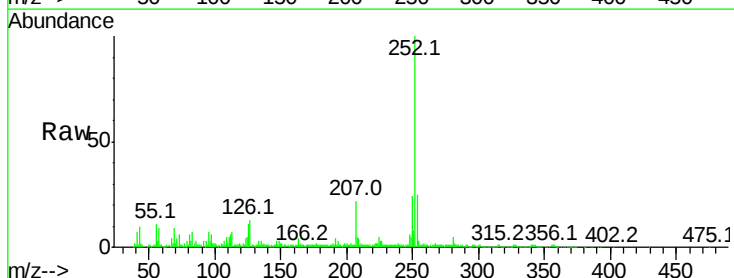
Manual Integrations

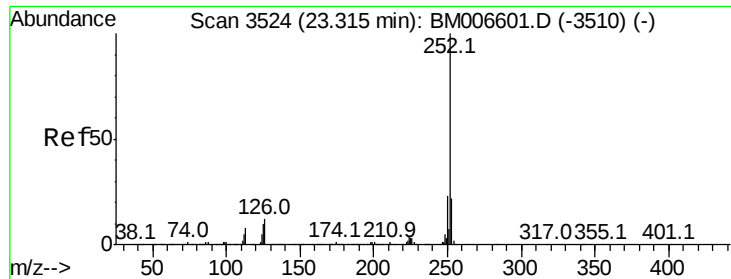
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#36
Benzo(k)fluoranthene
Concen: 3.41 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.8
125	10.9	7.7	11.5





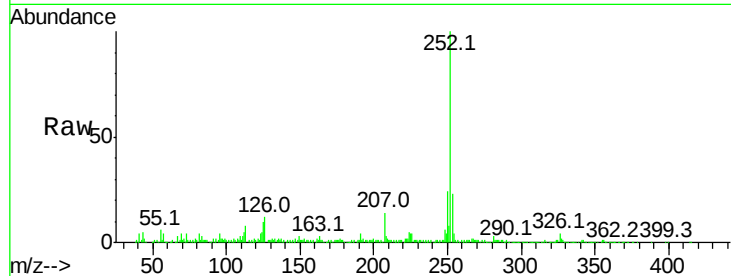
#38
Benzo(a)pyrene
Concen: 7.07 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Instrument :
BNA_M
ClientSampleId :
D9YR9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.1	8.2	12.2

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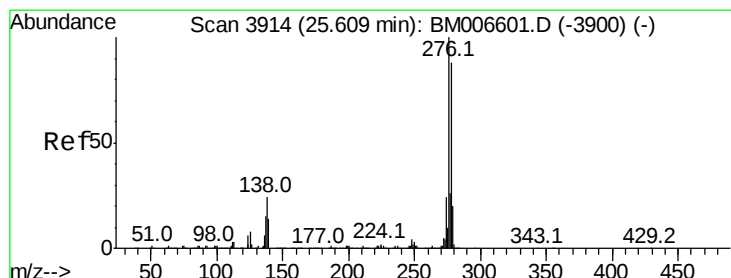
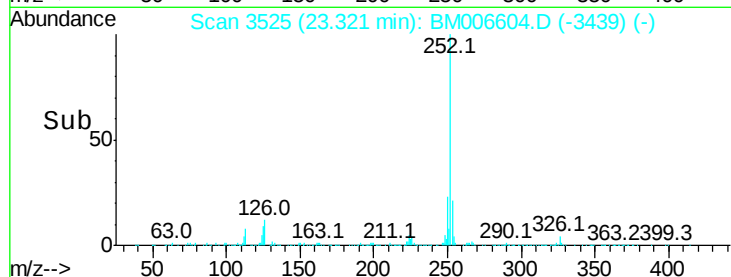
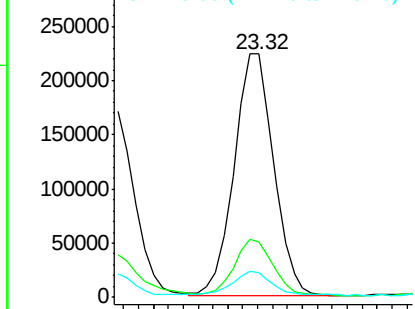


Abundance

Ion 252.00 (251.70 to 252.70): E

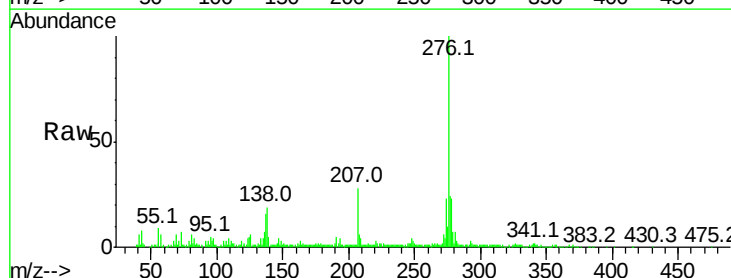
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#39
Indeno(1,2,3-cd)pyrene
Concen: 4.68 ng/ul
RT: 25.61 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	15.8	23.6
277	23.7	19.0	28.6

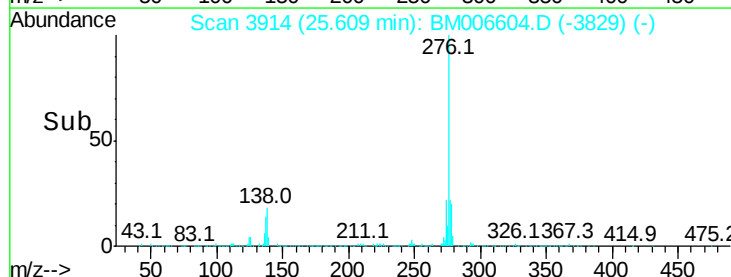
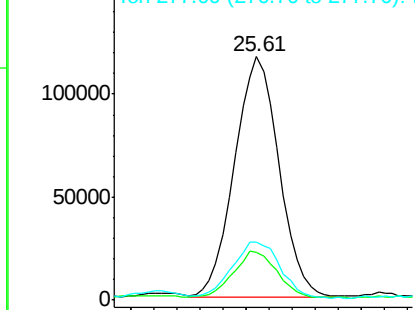


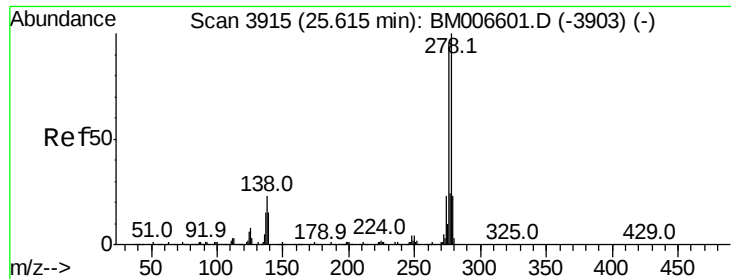
Abundance

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





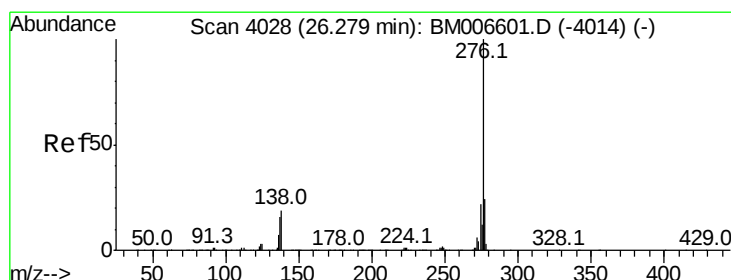
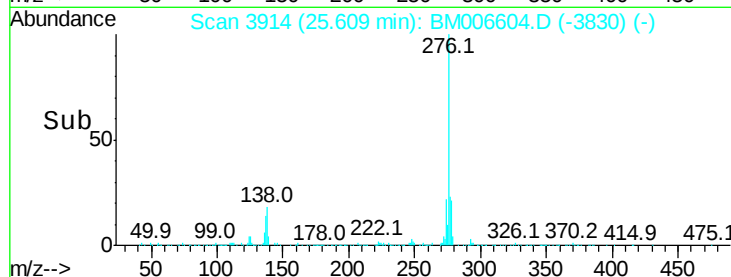
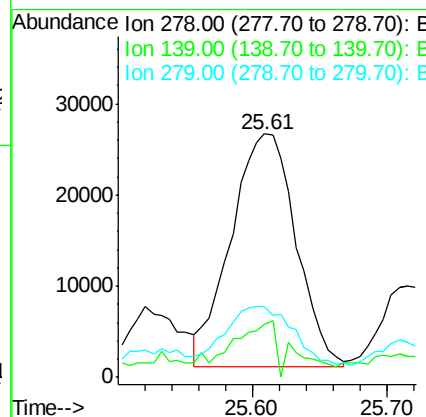
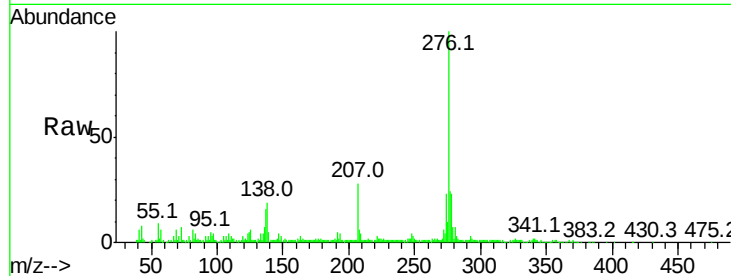
#40
Dibenzo(a,h)anthracene
Concen: 1.54 ng/ul m
RT: 25.61 min Scan# 3914
Delta R.T. -0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Instrument :
BNA_M
ClientSampleId :
D9YR9

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.6	12.1	18.1#
279	29.0	19.8	29.8

Manual Integrations

umangi
7/22/2016 6:24:40 PM



#41
Benzo(g,h,i)perylene
Concen: 5.38 ng/ul
RT: 26.28 min Scan# 4028
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	13.9	20.9
277	24.9	19.8	29.6

