

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006613.D
 Acq On : 22 Jul 2016 07:21
 Operator : UM/SJ
 Sample : H4077-04MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ8MSD

Manual Integrations

umangi
 7/22/2016 6:24:57 PM

Quant Time: Jul 22 07:57:05 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	192758	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	820811	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	450862	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	970677	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	974593	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1040399	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8315	1.74	ng/uL	0.00
3) Phenol-d5	6.80	99	287754	17.55	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	219623	21.62	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	255443	19.49	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	154291	12.13	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	137981	22.21	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	145881	22.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	238097	19.07	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	202725	14.74	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	765578	21.66	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1003545	22.24	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	35887	5.84	ng/ul	0.01
21) Fluorene-d10	15.26	176	688860	21.79	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	39420	7.82	ng/ul	0.01
26) Anthracene-d10	17.12	188	1046301	22.70	ng/ul	0.00
30) Pyrene-d10	19.42	212	1121509	25.25	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1118006	23.36	ng/ul	0.02

Target Compounds

					Ovalue
11) Naphthalene	10.44	128	358830	8.48 ng/ul	99
13) 2-Methylnaphthalene	12.06	142	119711	3.85 ng/ul	96
14) 1-Methylnaphthalene	12.29	142	80071	2.70 ng/ul	96
18) Acenaphthylene	13.99	152	68691	1.42 ng/ul#	96
19) Acenaphthene	14.33	153	763912	24.60 ng/ul	95
22) Fluorene	15.32	166	142076	4.06 ng/ul#	95
25) Phenanthrene	17.06	178	1513410	27.72 ng/ul	99
27) Anthracene	17.15	178	381744	6.79 ng/ul	99
28) Fluoranthene	19.09	202	1854345	28.91 ng/ul	97
31) Pyrene	19.45	202	2789624	47.27 ng/ul	96
32) Benzo(a)anthracene	21.20	228	877587	14.86 ng/ul	97
33) Chrysene	21.26	228	867535	15.93 ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	1225102	19.64 ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	406201m	6.74 ng/ul	
38) Benzo(a)pyrene	23.33	252	857354	14.12 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.63	276	670590	9.54 ng/ul	99
40) Dibenzo(a,h)anthracene	25.62	278	189581m	3.25 ng/ul	
41) Benzo(g,h,i)perylene	26.30	276	644515	10.70 ng/ul	97

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

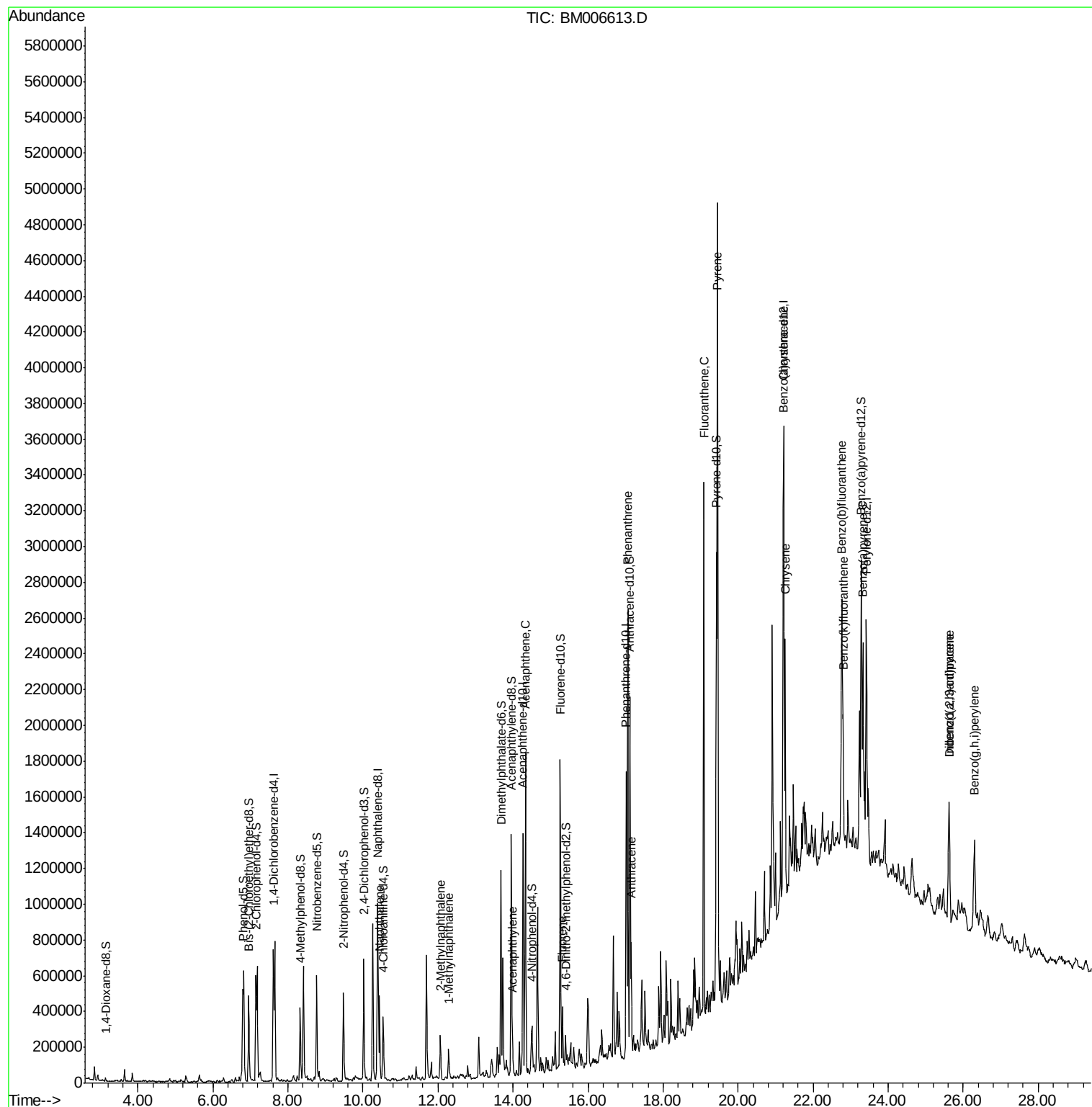
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006613.D
Acq On : 22 Jul 2016 07:21
Operator : UM/SJ
Sample : H4077-04MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

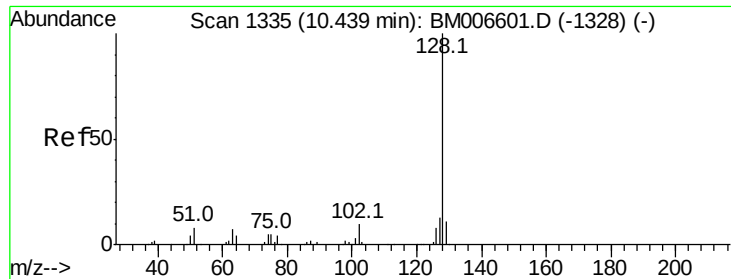
Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

Manual Integrations

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Quant Time: Jul 22 07:57:05 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





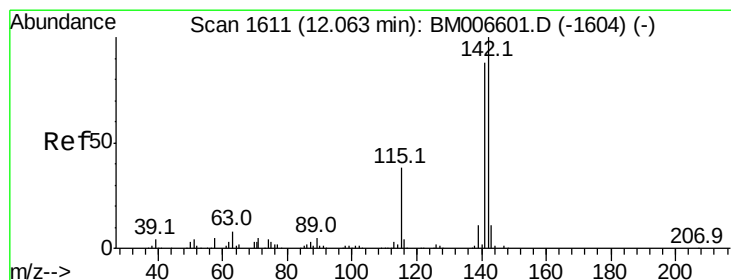
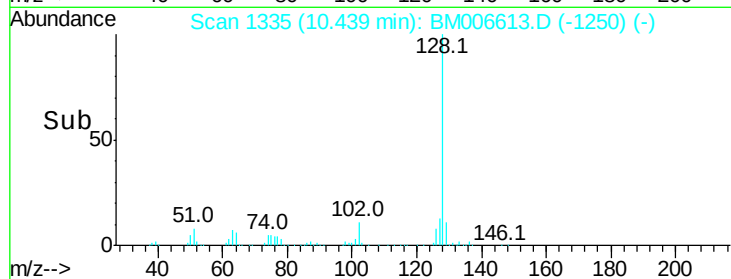
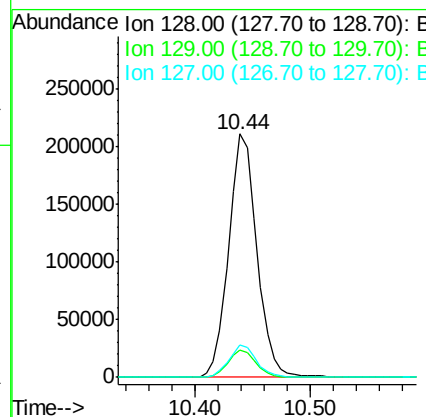
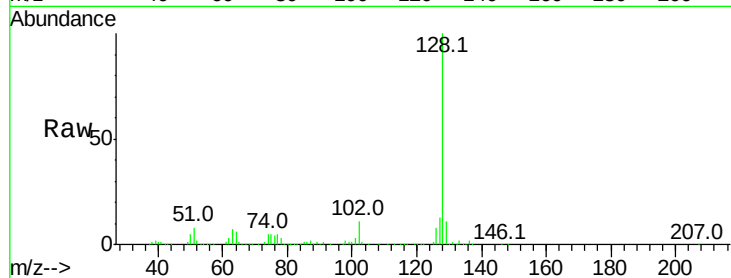
#11
Naphthalene
Concen: 8.48 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	13.1	10.8	16.2

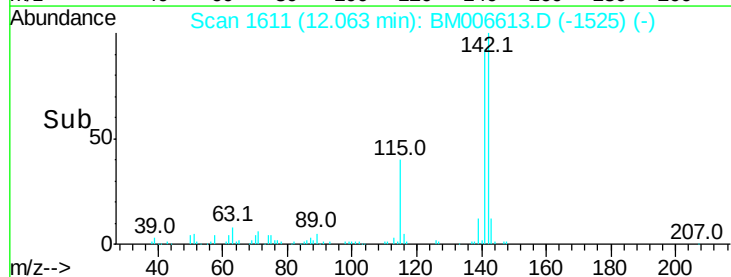
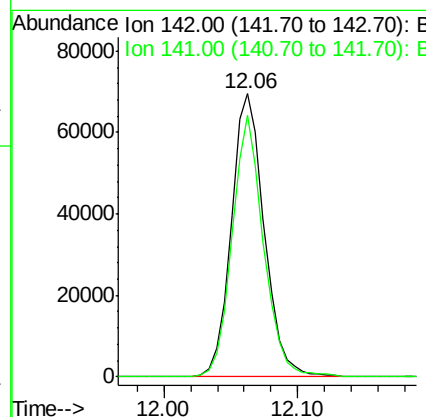
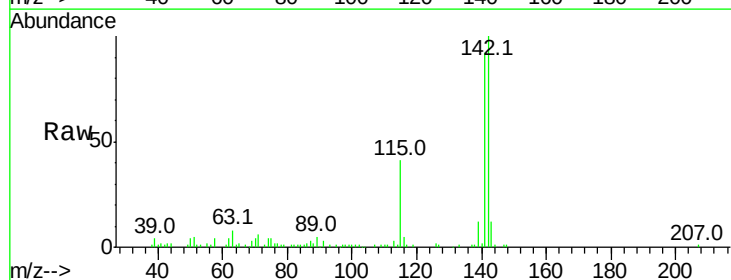
Manual Integrations

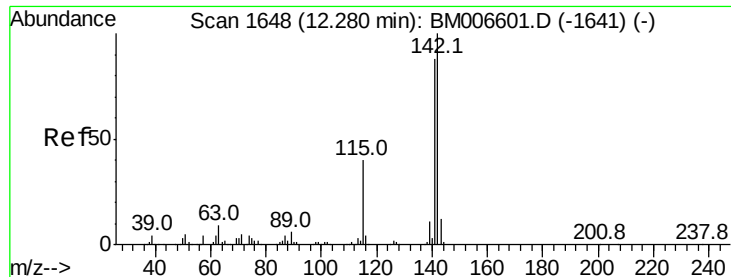
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#13
2-Methylnaphthalene
Concen: 3.85 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.3	106.9





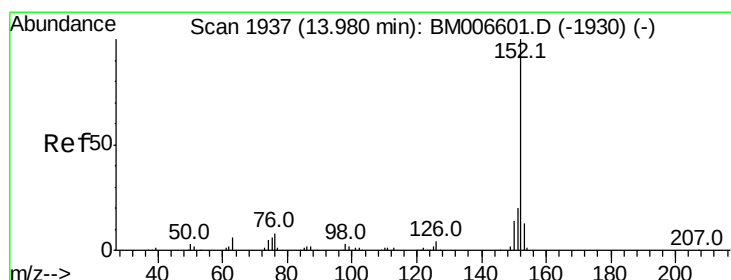
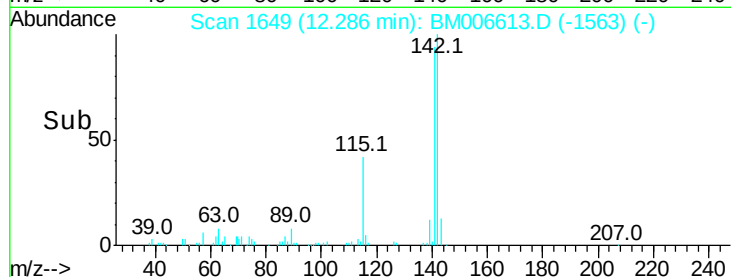
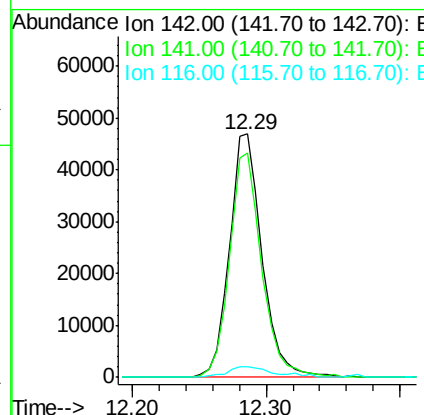
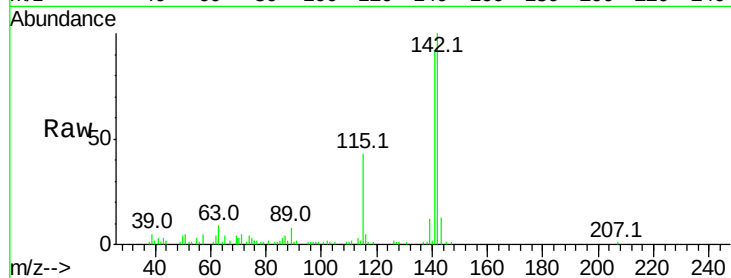
#14
1-Methylnaphthalene
Concen: 2.70 ng/ul
RT: 12.29 min Scan# 1649
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	77.0	115.4
116	4.6	4.2	6.4

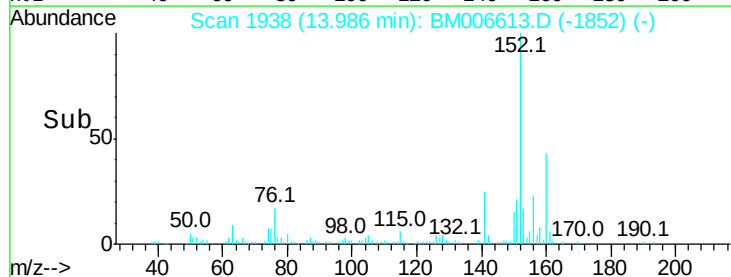
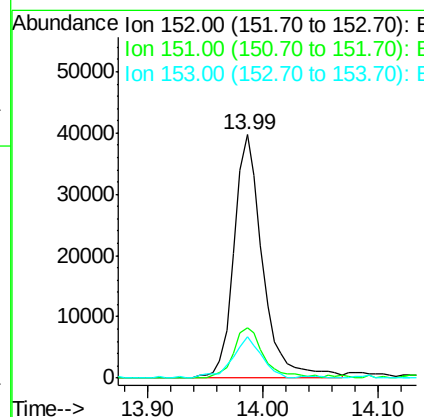
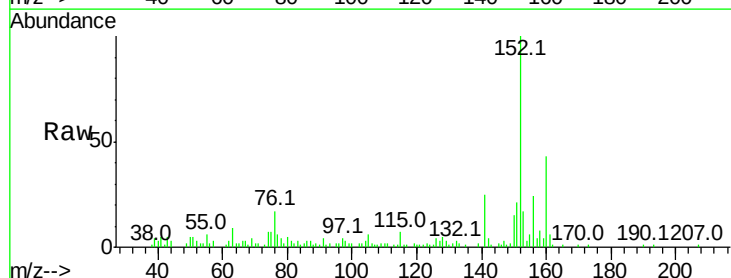
Manual Integrations

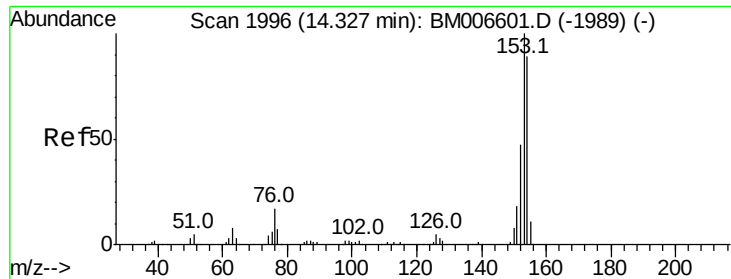
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#18
Acenaphthylene
Concen: 1.42 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.3	25.9
153	17.2	11.1	16.7#





#19

Acenaphthene

Concen: 24.60 ng/ul

RT: 14.33 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Instrument :

BNA_M

ClientSampleId :

D9YQ8MSD

Tot Ion:153 Resp: 763912

Ion Ratio Lower Upper

153 100

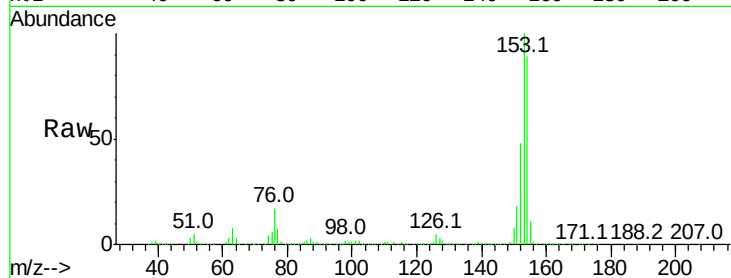
152 47.5 36.5 54.7

154 89.5 67.3 100.9

Manual Integrations

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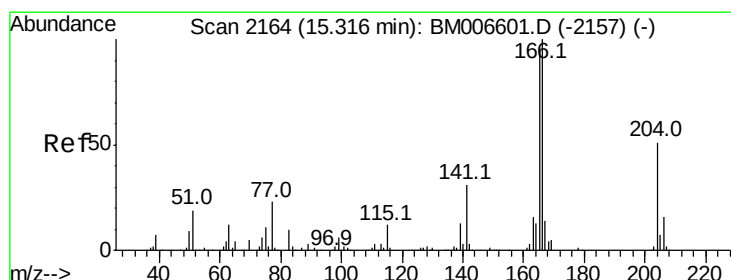
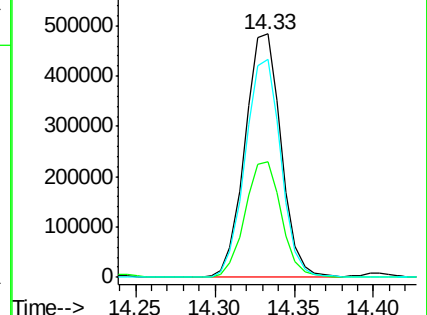
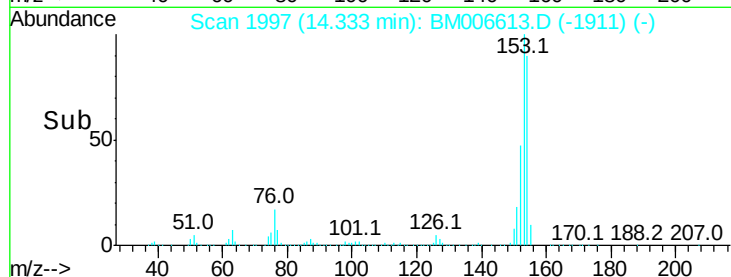
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 4.06 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

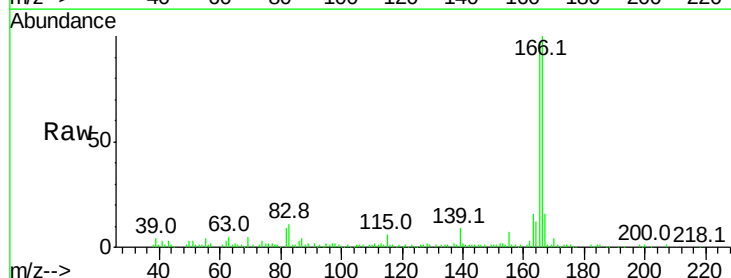
Tgt Ion:166 Resp: 142076

Ion Ratio Lower Upper

166 100

165 96.6 81.1 121.7

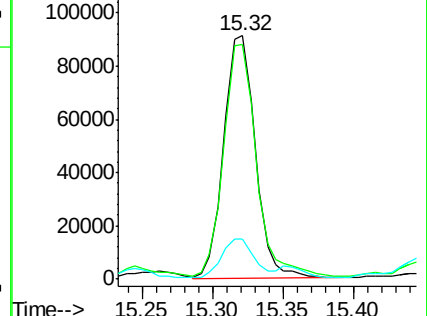
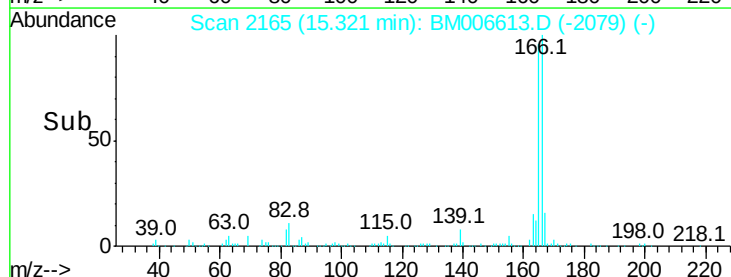
167 16.3 10.6 16.0#

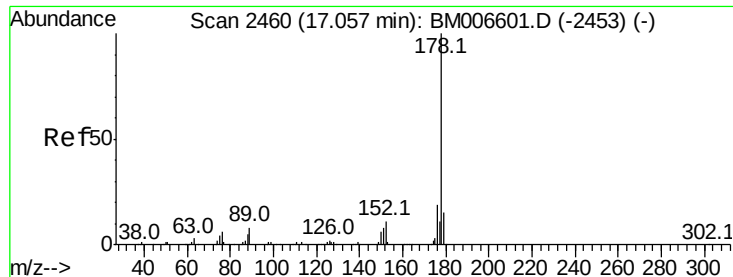


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





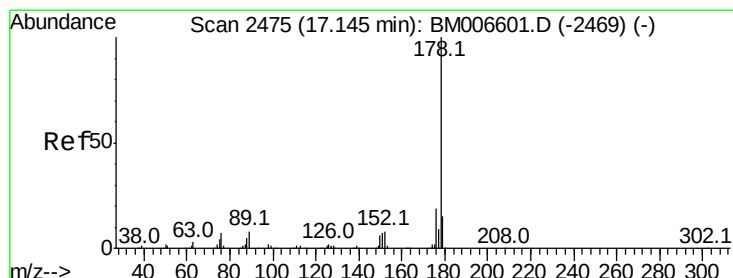
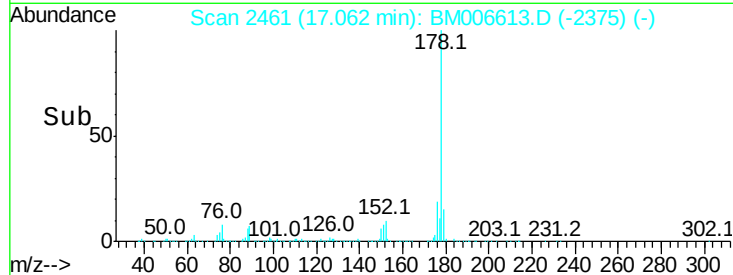
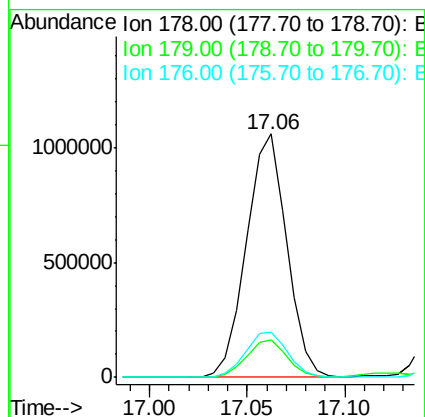
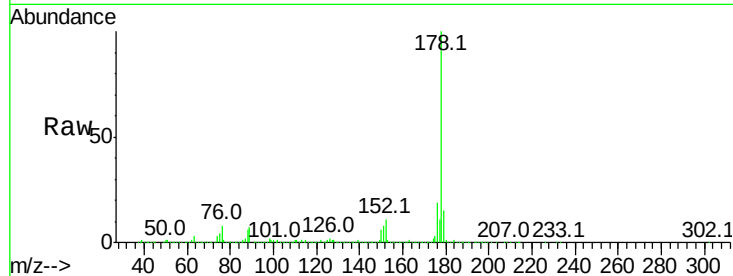
#25
Phenanthrene
Concen: 27.72 ng/ul
RT: 17.06 min Scan# 2461
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

Tot Ion:178 Resp: 1513410
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 18.6 14.8 22.2

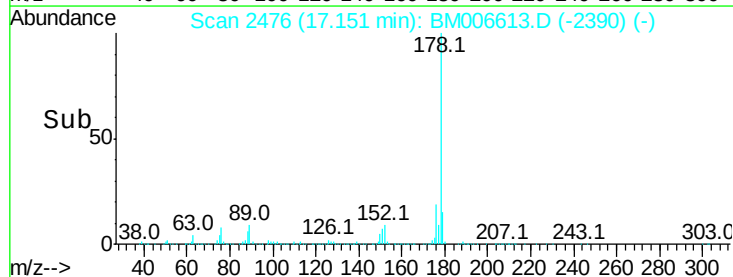
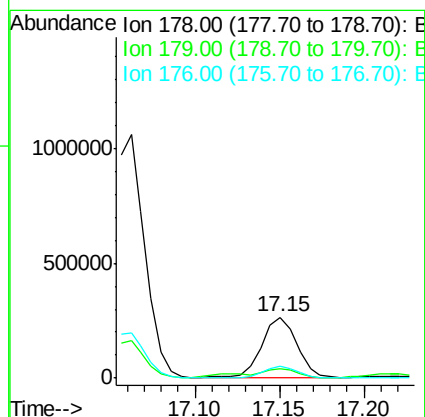
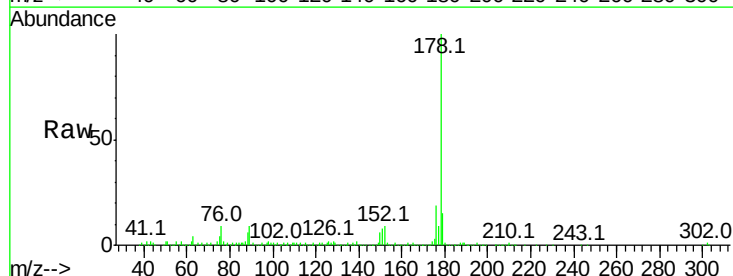
Manual Integrations

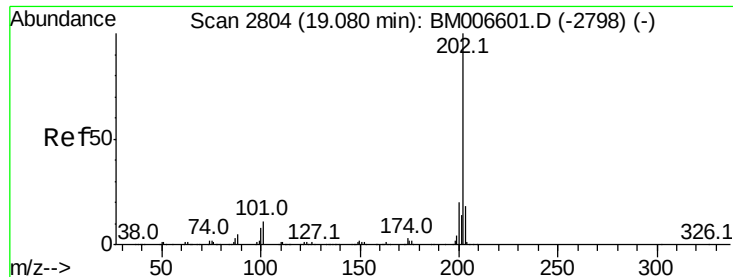
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#27
Anthracene
Concen: 6.79 ng/ul
RT: 17.15 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Tgt Ion:178 Resp: 381744
Ion Ratio Lower Upper
178 100
179 15.3 12.9 19.3
176 19.1 15.6 23.4





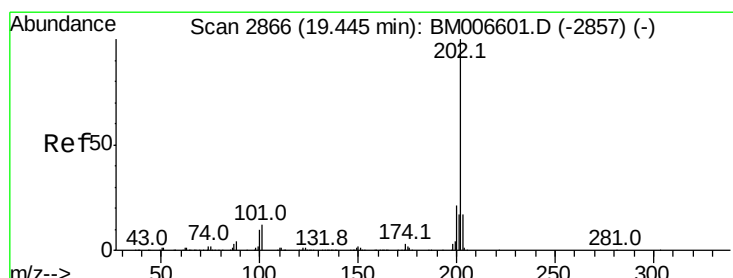
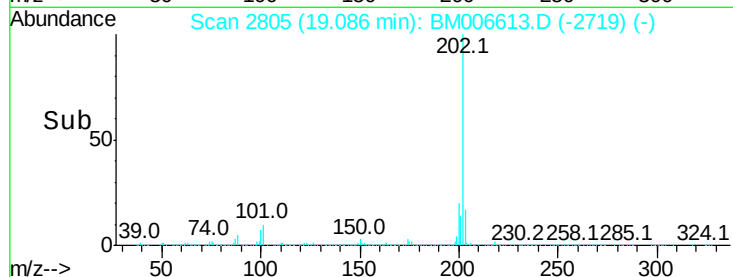
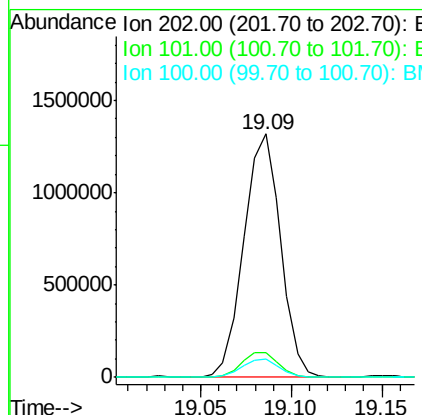
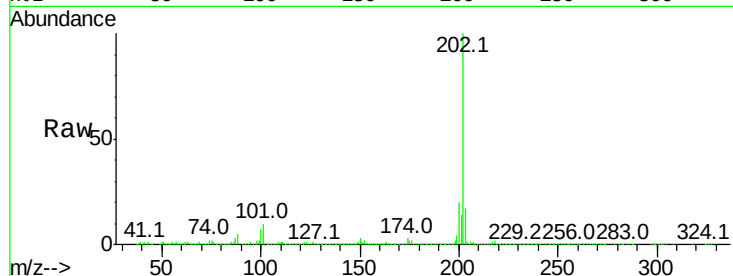
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Fluoranthene
Concen: 28.91 ng/ul
RT: 19.09 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.9	13.3
100	7.4	7.0	10.4

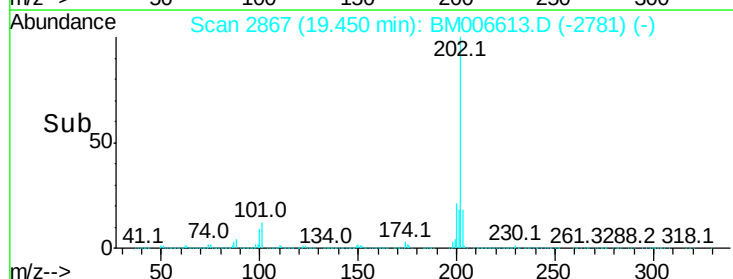
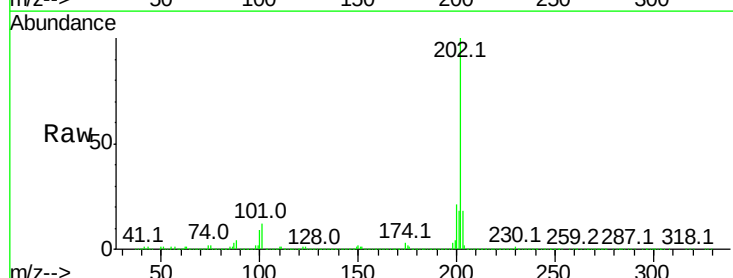
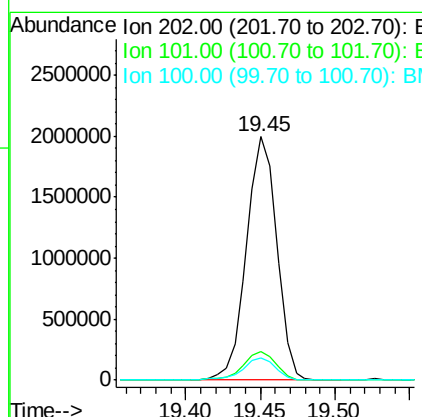
Manual Integrations

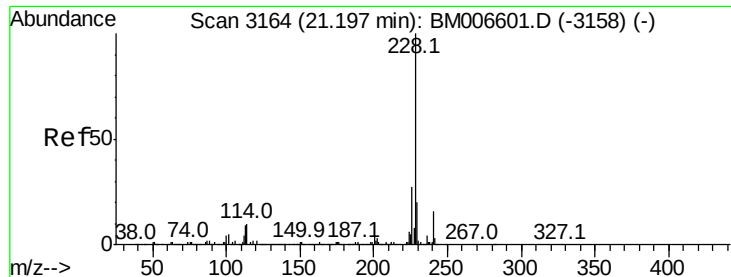
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#31
Pyrene
Concen: 47.27 ng/ul
RT: 19.45 min Scan# 2867
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

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





#32

Benzo(a)anthracene

Concen: 14.86 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Instrument :

BNA_M

ClientSampleId :

D9YQ8MSD

Tot Ion:228 Resp: 877587

Ion Ratio Lower Upper

228 100

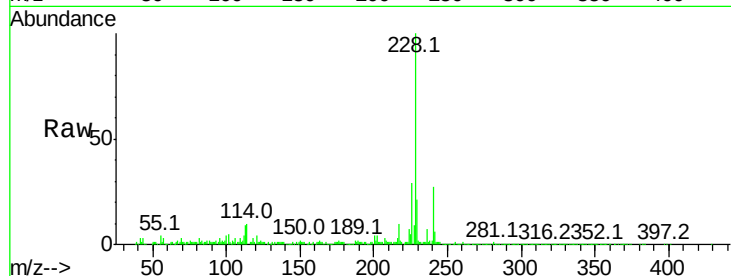
229 20.7 16.6 25.0

226 28.7 21.0 31.4

Manual Integrations

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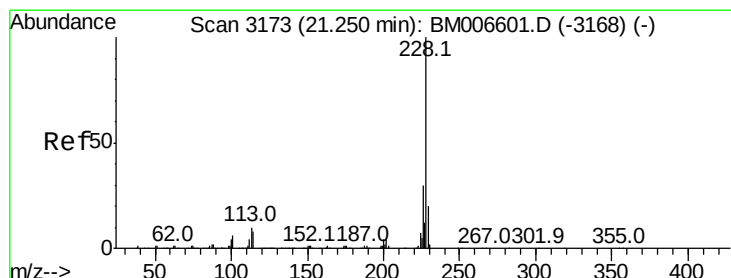
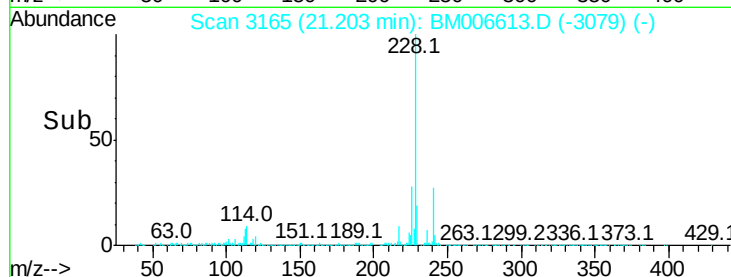
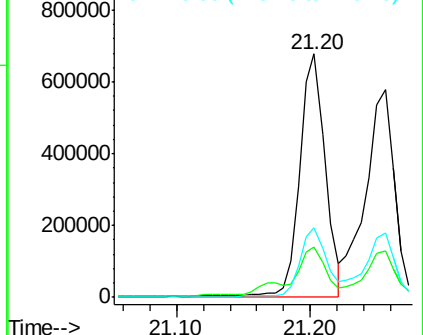
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 15.93 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Tgt Ion:228 Resp: 867535

Ion Ratio Lower Upper

228 100

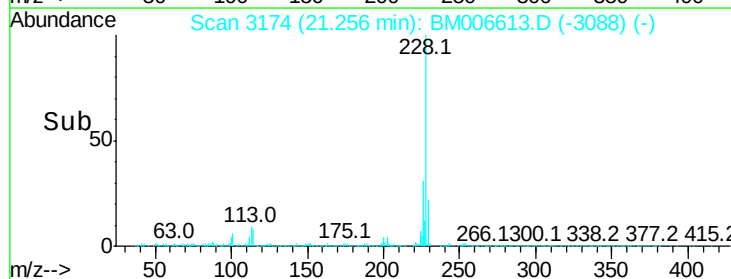
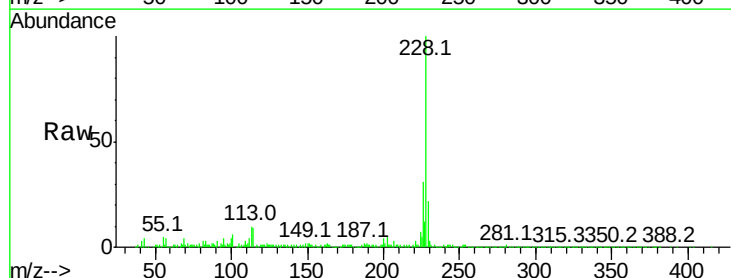
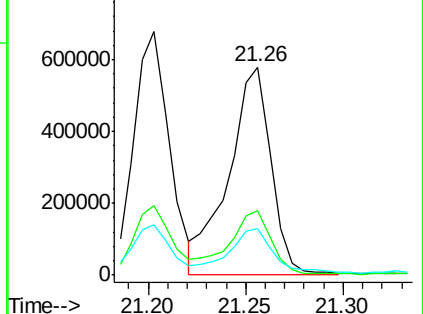
226 31.2 23.4 35.2

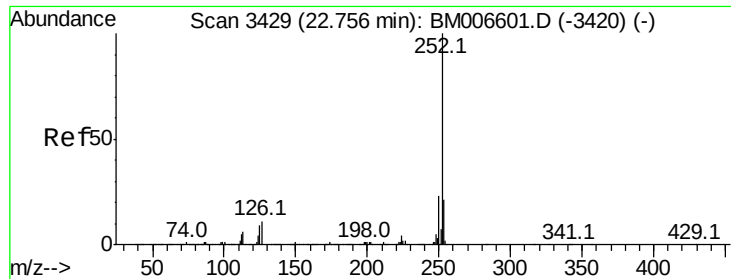
229 22.5 16.2 24.2

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: 19.64 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Instrument :

BNA_M

ClientSampleId :

D9YQ8MSD

Tot Ion:252 Resp: 1225102

Ion Ratio Lower Upper

252 100

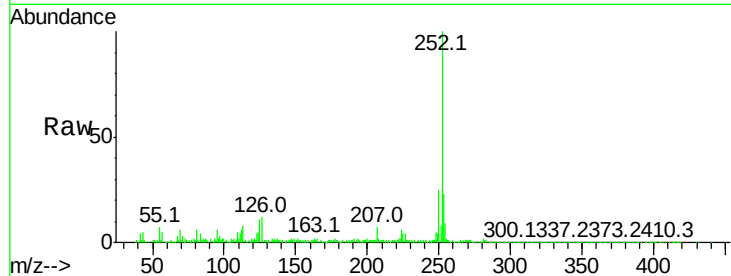
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125 10.6 7.6 11.4

Manual Integrations

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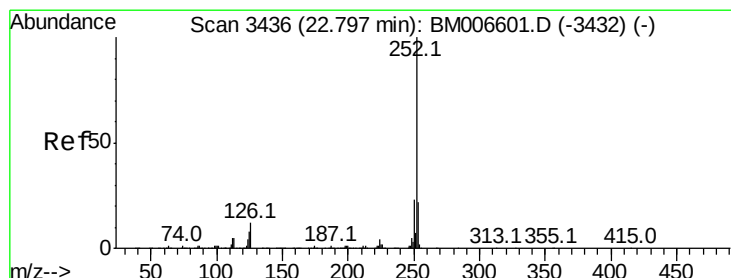
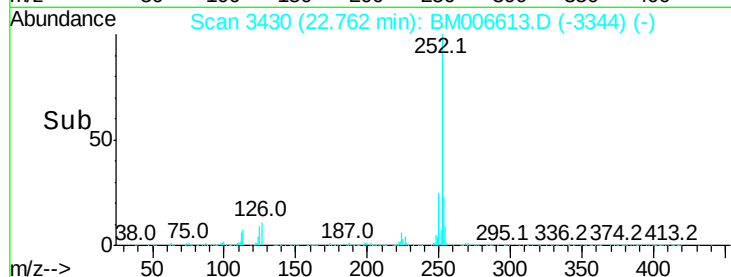
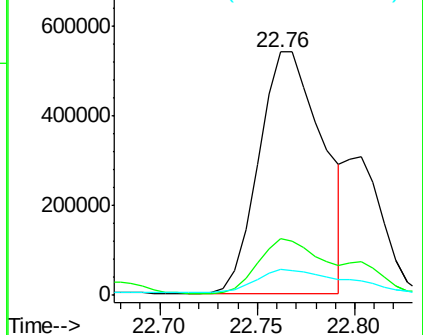
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 6.74 ng/ul m

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Tgt Ion:252 Resp: 406201

Ion Ratio Lower Upper

252 100

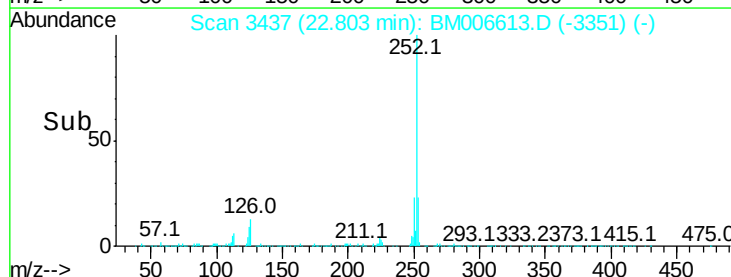
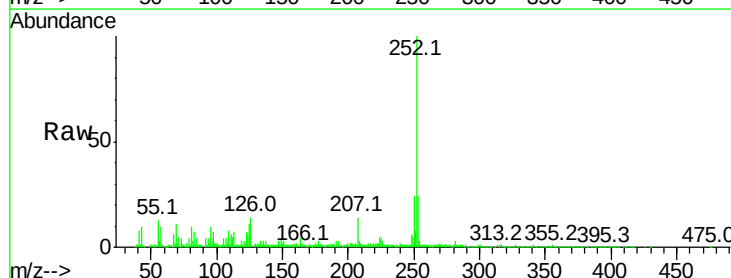
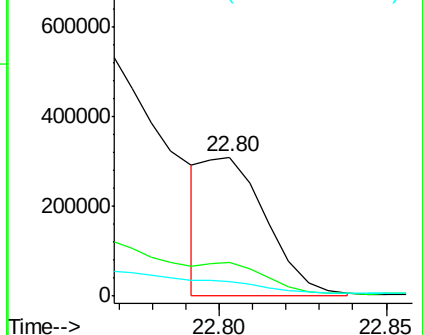
253 23.9 17.8 26.8

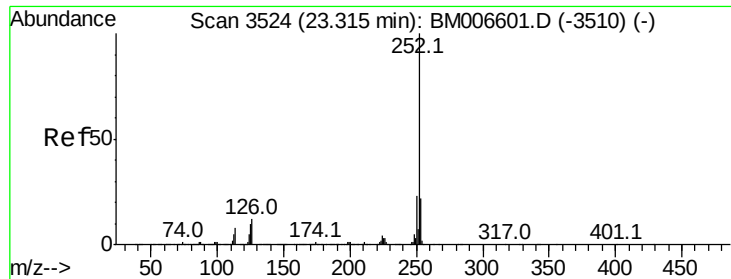
125 10.8 7.7 11.5

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





#38

Benzo(a)pyrene

Concen: 14.12 ng/ul

RT: 23.33 min Scan# 3526

Delta R.T. 0.01 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Instrument :

BNA_M

ClientSampleId :

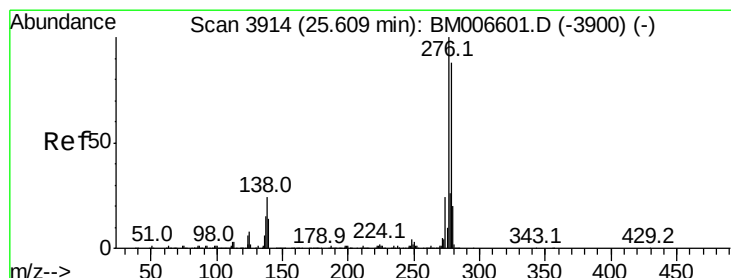
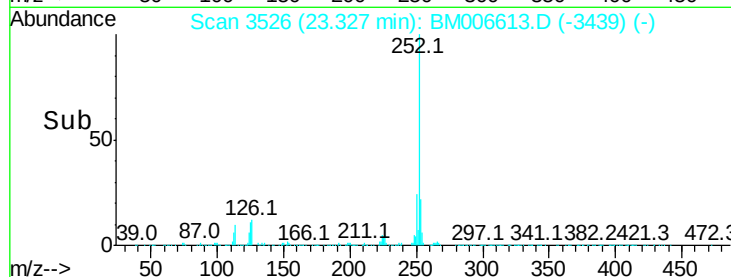
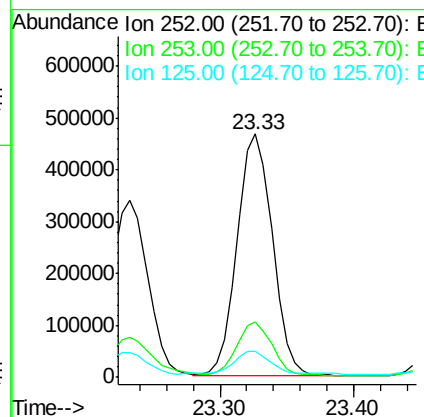
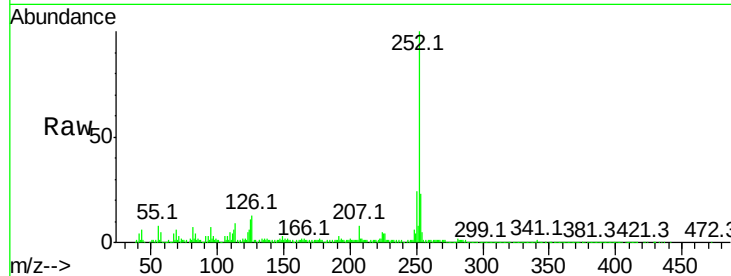
D9YQ8MSD

Tot Ion:	252	Resp:	857354
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	10.7	8.2	12.2

Manual Integrations

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#39

Indeno(1,2,3-cd)pyrene

Concen: 9.54 ng/ul

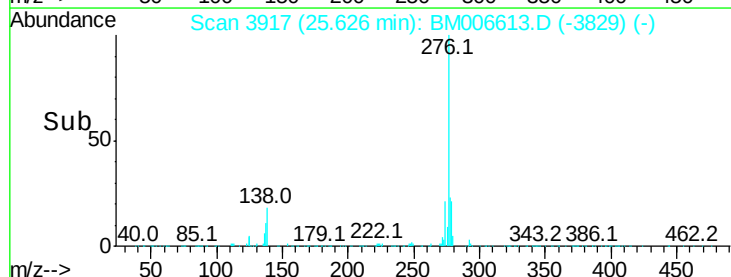
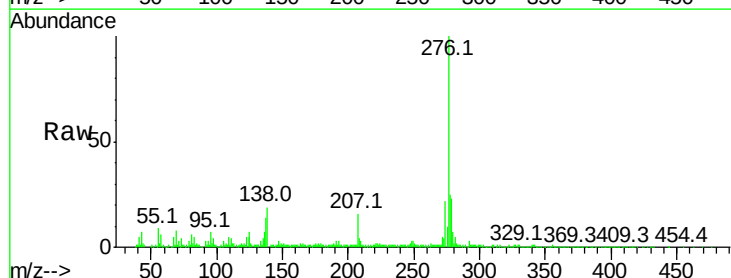
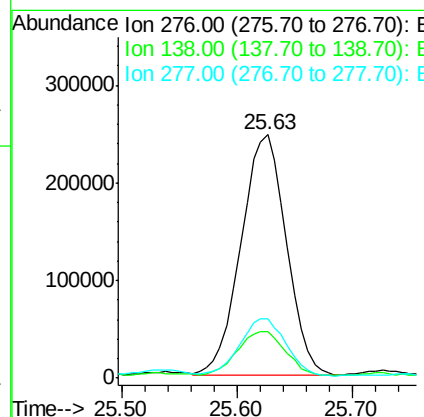
RT: 25.63 min Scan# 3917

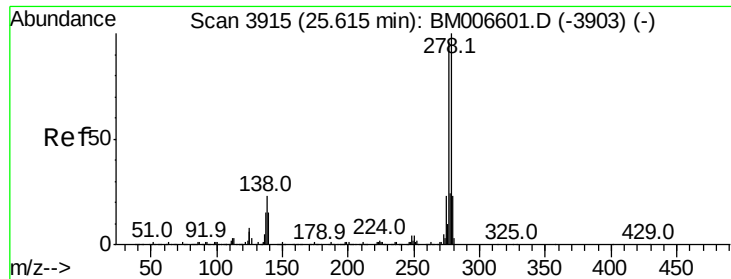
Delta R.T. 0.02 min

Lab File: BM006613.D

Acq: 22 Jul 2016 07:21

Tgt Ion:	276	Resp:	670590
Ion Ratio	Lower	Upper	
276	100		
138	19.2	15.8	23.6
277	24.6	19.0	28.6





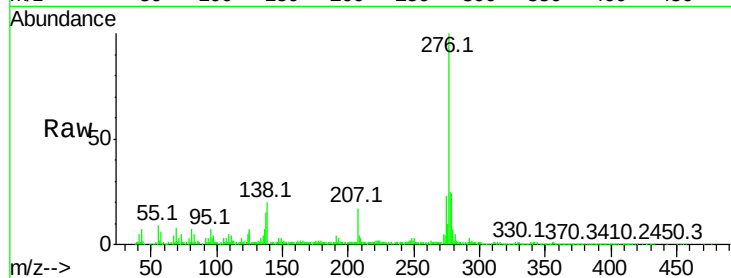
#40
Dibenzo(a,h)anthracene
Concen: 3.25 ng/ul m
RT: 25.62 min Scan# 3916
Delta R.T. 0.01 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Instrument :
BNA_M
ClientSampleId :
D9YQ8MSD

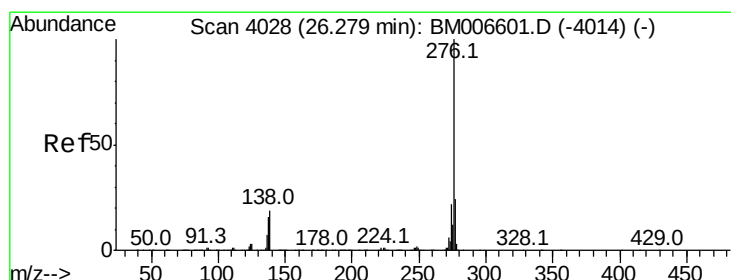
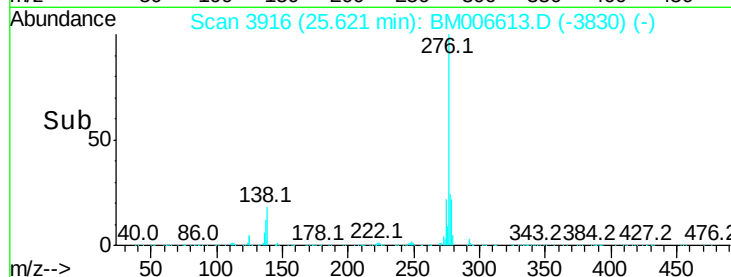
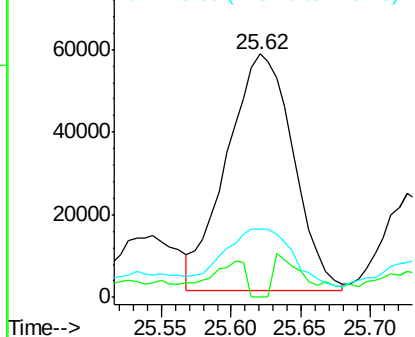
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.1	18.1#
279	28.2	19.8	29.8

Manual Integrations

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#41
Benzo(g,h,i)perylene
Concen: 10.70 ng/ul
RT: 26.30 min Scan# 4032
Delta R.T. 0.02 min
Lab File: BM006613.D
Acq: 22 Jul 2016 07:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	13.9	20.9
277	25.2	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

