

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
 Data File : BM006985.D
 Acq On : 08 Aug 2016 09:23
 Operator : UM/SJ
 Sample : H4302-07 2X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1

Manual Integrations
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 8/8/2016 7:09:15 PM

Quant Time: Aug 08 16:40:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 15:12:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	191611	20.00	ng/ul	0.00
7) Naphthalene-d8	10.33	136	856365	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.21	164	513648	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1224359	20.00	ng/ul	0.00
29) Chrysene-d12	21.19	240	1192438	20.00	ng/ul	0.00
34) Perylene-d12	23.37	264	1059639	20.00	ng/ul	0.01

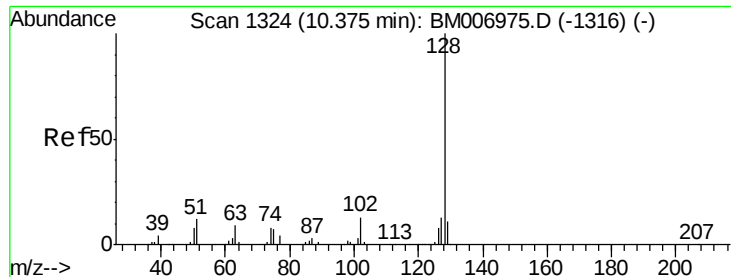
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	2900	0.69	ng/uL	0.00
3) Phenol-d5	6.77	99	122890	6.76	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.90	67	95480	8.38	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	107467	8.29	ng/ul	0.00
6) 4-Methylphenol-d8	8.30	113	94168	6.21	ng/ul	0.01
8) Nitrobenzene-d5	8.72	128	59424	9.34	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	59591	7.82	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.99	165	116154	8.04	ng/ul	0.02
12) 4-Chloroaniline-d4	10.50	131	92518	5.37	ng/ul	0.02
16) Dimethylphthalate-d6	13.63	166	406300	8.99	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	518795	9.92	ng/ul	0.00
20) 4-Nitrophenol-d4	14.54	143	30250m	4.61	ng/ul	0.04
21) Fluorene-d10	15.21	176	371433	9.67	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.39	200	9777	1.93	ng/ul	0.02
26) Anthracene-d10	17.07	188	587844	9.94	ng/ul	0.00
30) Pyrene-d10	19.38	212	653224	11.49	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.24	264	490457	9.72	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.37	128	317796	7.23	ng/ul	100
13) 2-Methylnaphthalene	12.00	142	51705	1.47	ng/ul	92
14) 1-Methylnaphthalene	12.22	142	34963	1.03	ng/ul	91
19) Acenaphthene	14.27	153	312114	8.73	ng/ul	96
22) Fluorene	15.27	166	187692	4.15	ng/ul	99
25) Phenanthrene	17.02	178	4410947	64.41	ng/ul	98
27) Anthracene	17.10	178	783792	10.93	ng/ul	99
28) Fluoranthene	19.04	202	7945945	95.37	ng/ul#	97
31) Pyrene	19.42	202	6357806	85.79	ng/ul	99
32) Benzo(a)anthracene	21.17	228	3192448	45.13	ng/ul	98
33) Chrysene	21.22	228	2854880	45.84	ng/ul	97
35) Benzo(b)fluoranthene	22.73	252	4665256	67.47	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	1286813m	19.27	ng/ul	
38) Benzo(a)pyrene	23.29	252	3015222	48.09	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.57	276	2491578	39.17	ng/ul	97
40) Dibenzo(a,h)anthracene	25.57	278	654328m	12.22	ng/ul	
41) Benzo(g,h,i)perylene	26.25	276	2404262	47.99	ng/ul	98

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



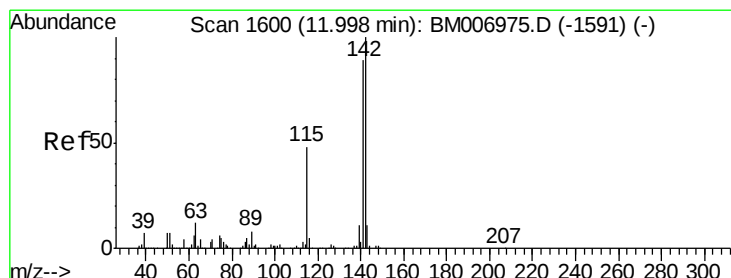
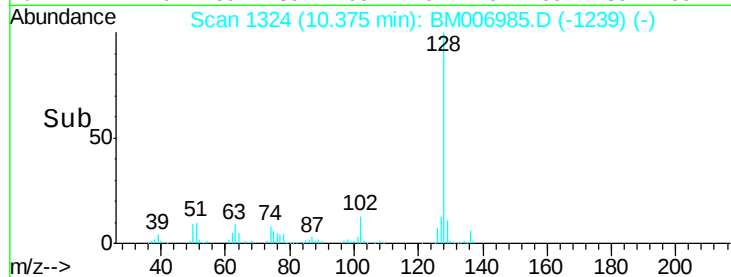
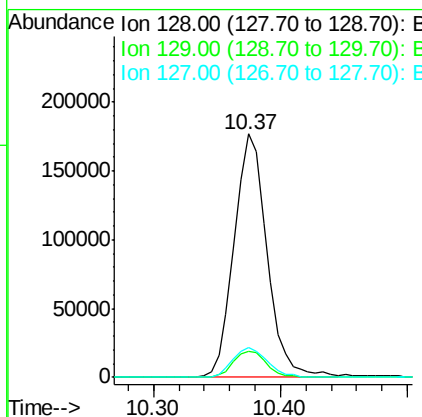
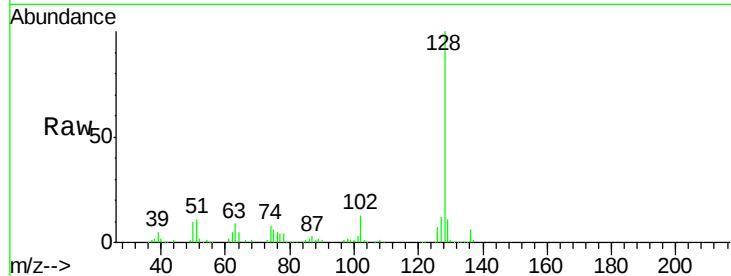
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Naphthalene
Concen: 7.23 ng/ul
RT: 10.37 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BM006985.D
Acq: 08 Aug 2016 09:23

Instrument :
BNA_M
ClientSampleId :
DA0H1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	317796		
129	10.6		8.6	13.0
127	12.5		9.8	14.8

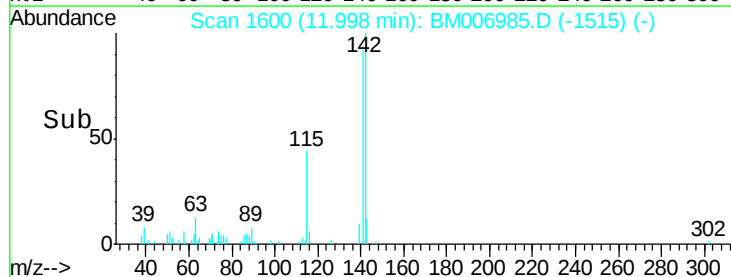
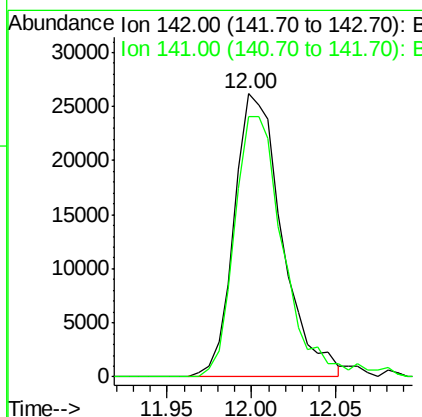
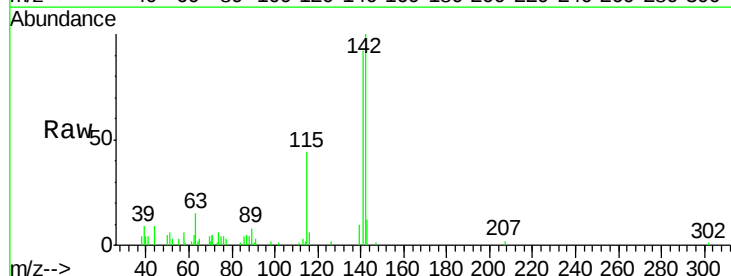
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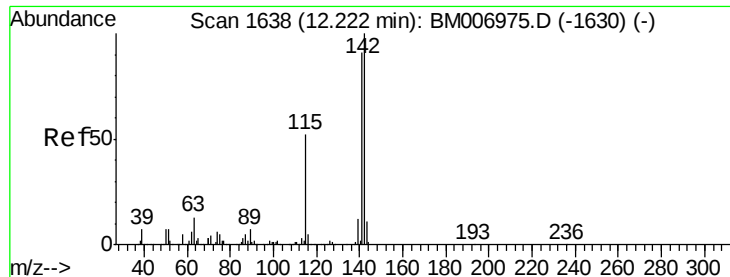
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#13
2-Methylnaphthalene
Concen: 1.47 ng/ul
RT: 12.00 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BM006985.D
Acq: 08 Aug 2016 09:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51705		
141	92.1		68.2	102.2





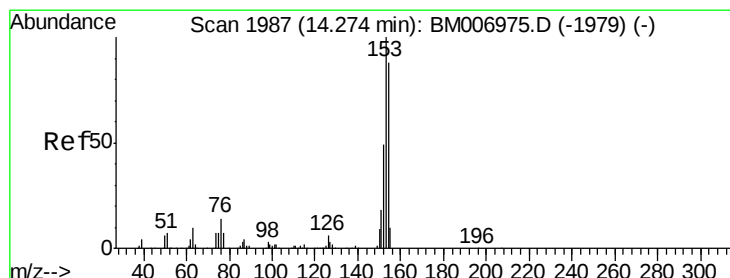
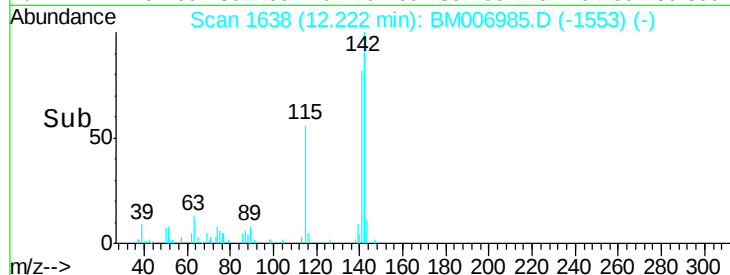
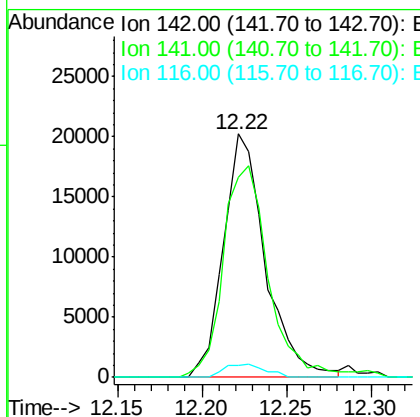
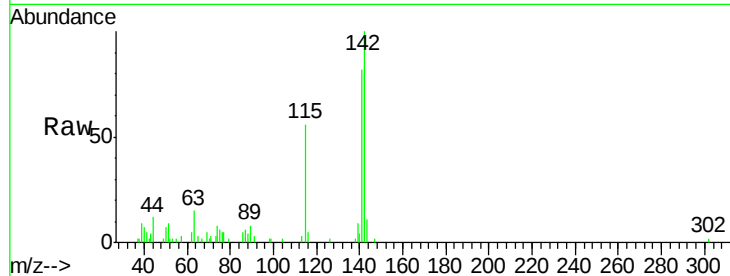
#14
 1-Methylnaphthalene
 Concen: 1.03 ng/ul
 RT: 12.22 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.2	73.2	109.8
116	4.6	4.0	6.0

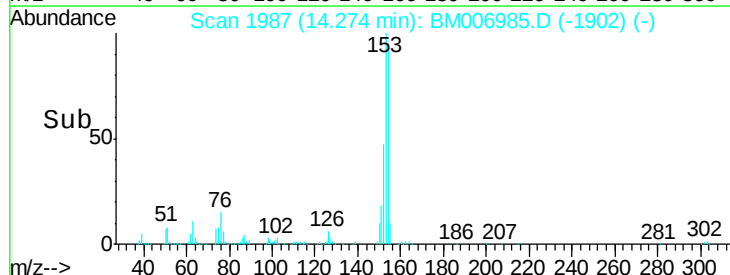
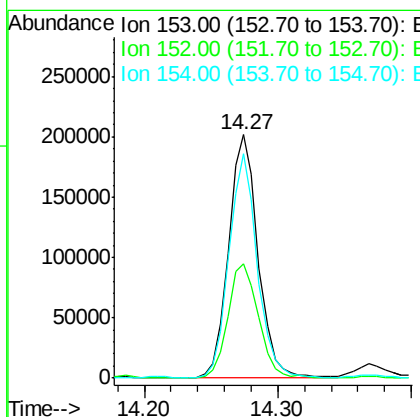
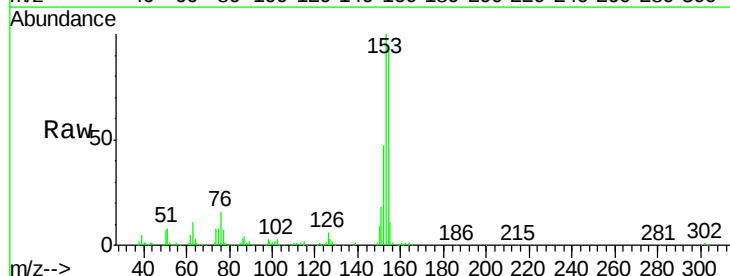
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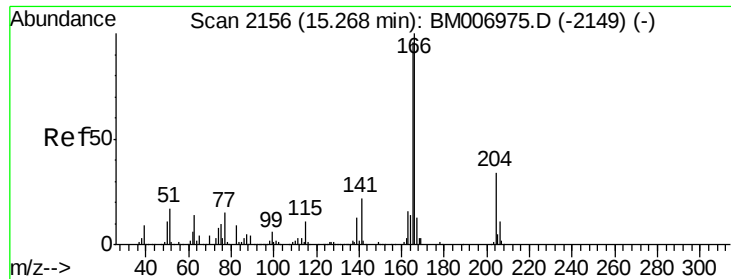
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#19
 Acenaphthene
 Concen: 8.73 ng/ul
 RT: 14.27 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.7	37.0	55.6
154	92.4	69.3	103.9





#22

Fluorene

Concen: 4.15 ng/ul

RT: 15.27 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Instrument :

BNA_M

ClientSampleId :

DA0H1

Tgt Ion:166 Resp: 187692

Ion Ratio Lower Upper

166 100

165 98.2 78.2 117.4

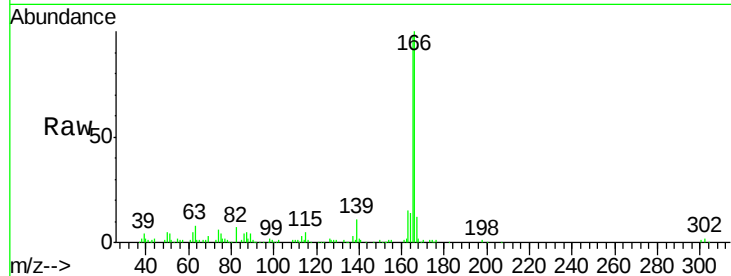
167 12.4 10.7 16.1

Manual Integrations

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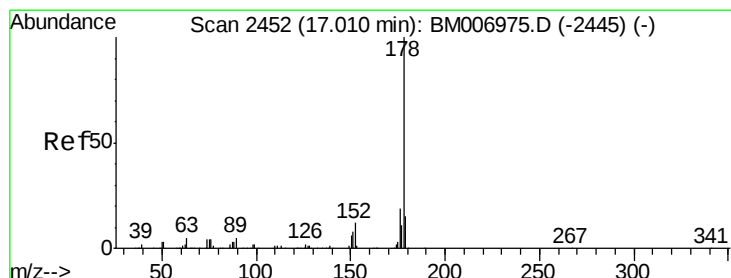
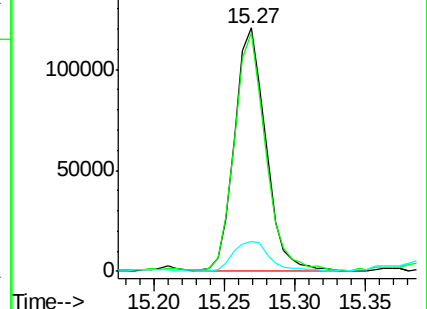
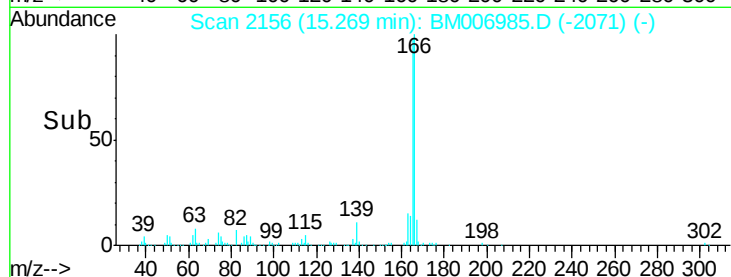
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 64.41 ng/ul

RT: 17.02 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

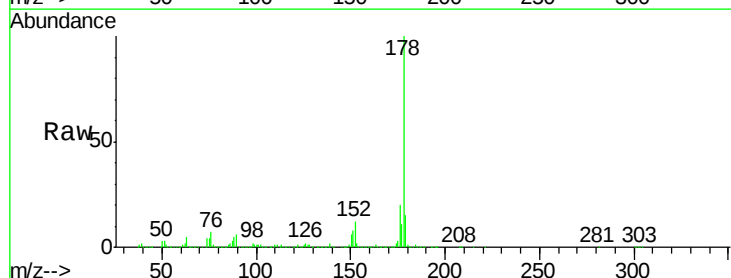
Tgt Ion:178 Resp: 4410947

Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

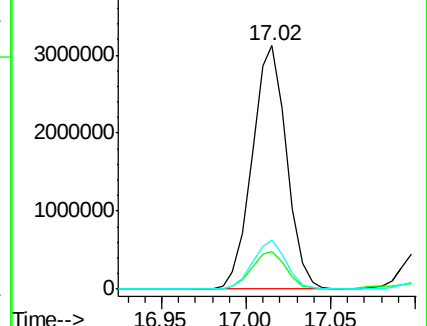
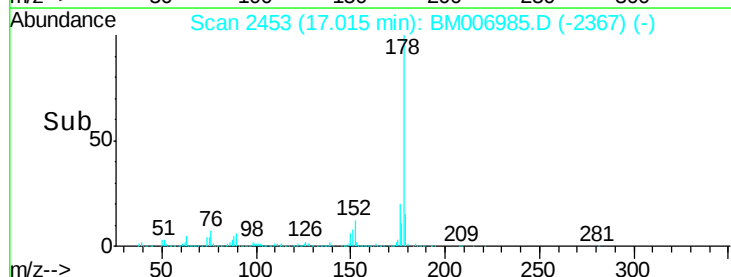
176 20.0 15.0 22.4

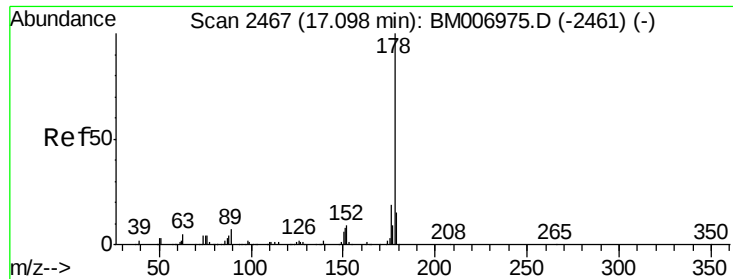


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 10.93 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Instrument :

BNA_M

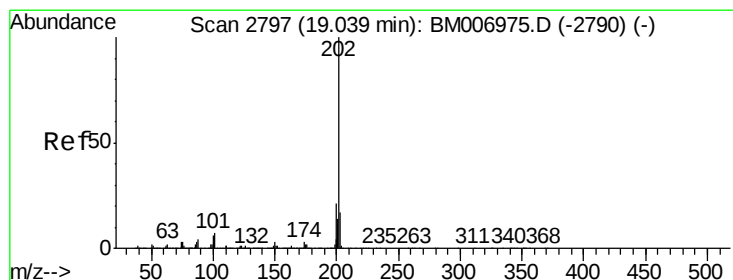
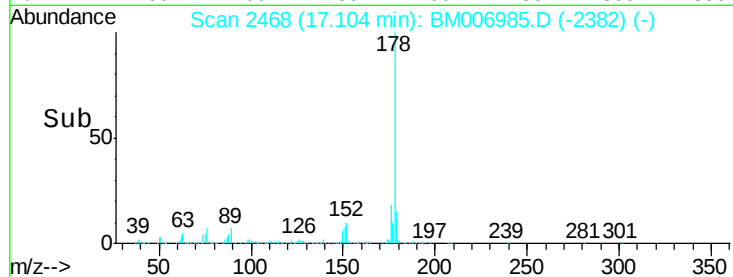
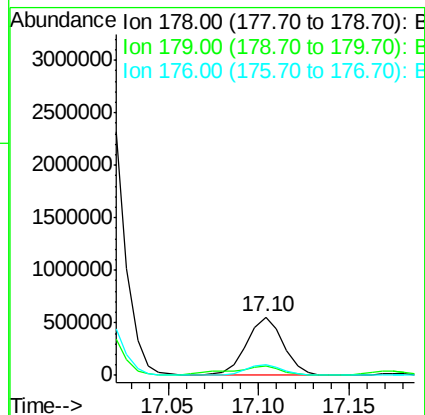
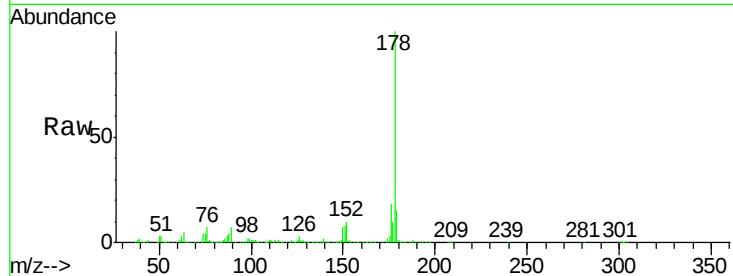
ClientSampleId :

DA0H1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.4	15.4	23.0

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#28

Fluoranthene

Concen: 95.37 ng/ul

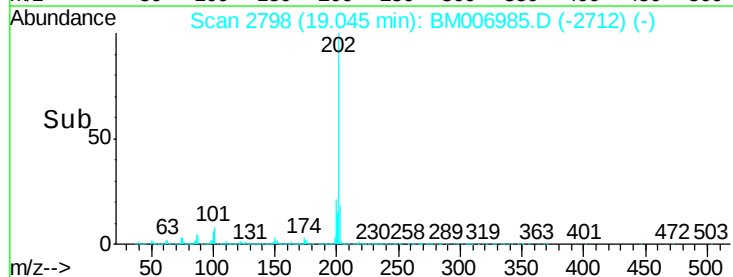
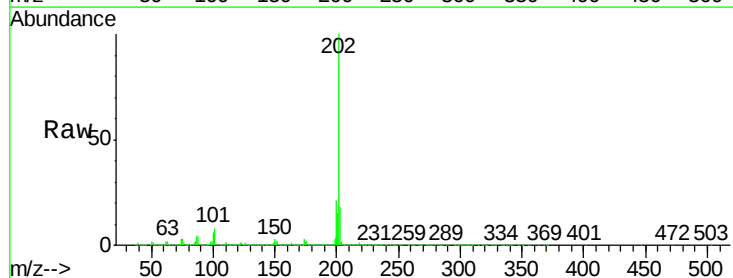
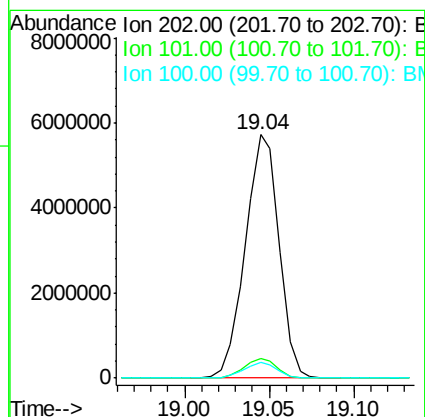
RT: 19.04 min Scan# 2798

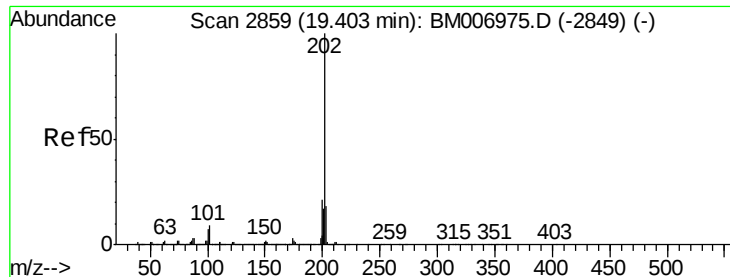
Delta R.T. 0.01 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.6	8.4
100	6.4	4.2	6.4#





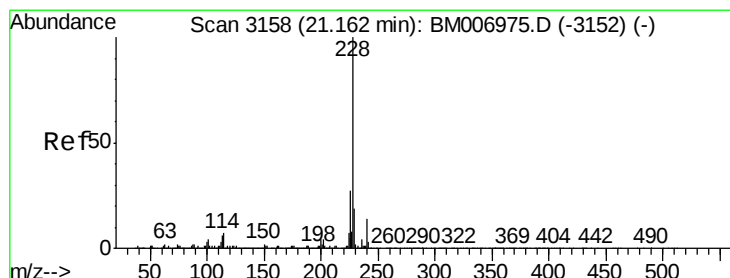
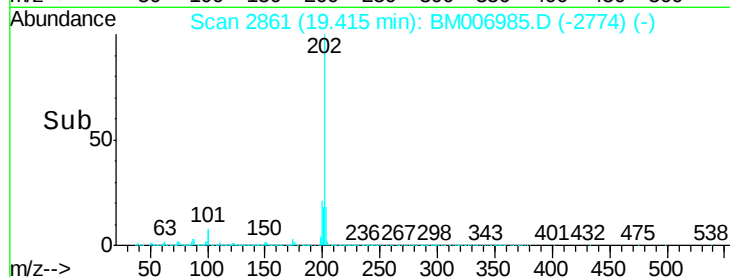
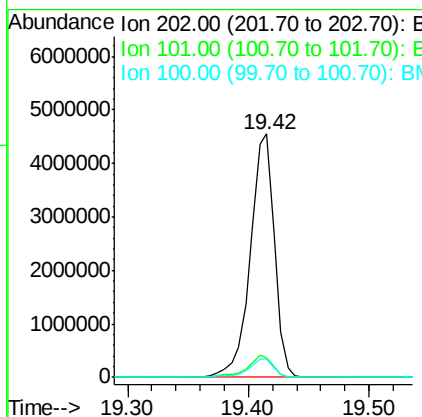
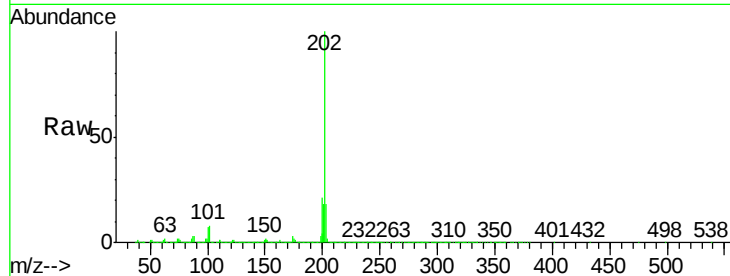
#31
 Pyrene
 Concen: 85.79 ng/ul
 RT: 19.42 min Scan# 2861
 Delta R.T. 0.01 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1

Tgt Ion:	202	Resp:	6357806
Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.4	9.6
100	7.3	5.4	8.2

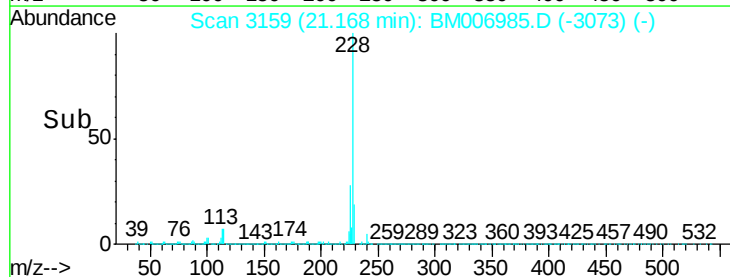
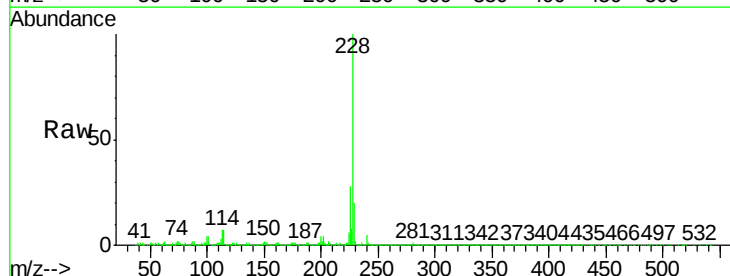
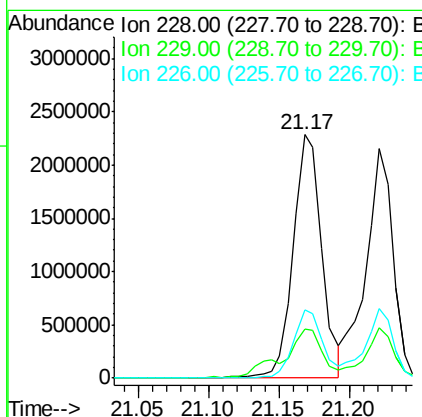
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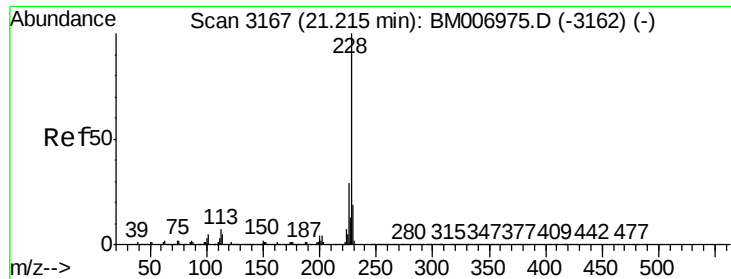
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#32
 Benzo(a)anthracene
 Concen: 45.13 ng/ul
 RT: 21.17 min Scan# 3159
 Delta R.T. 0.01 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Tgt Ion:	228	Resp:	3192448
Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.2	22.8
226	27.8	21.3	31.9





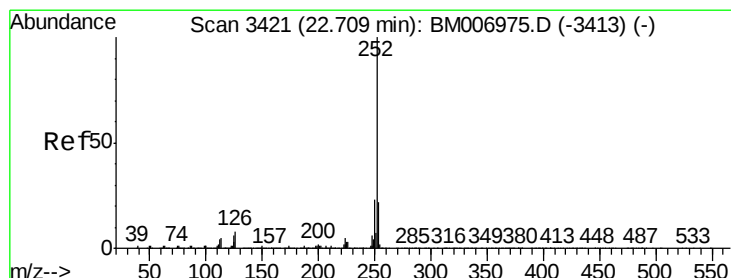
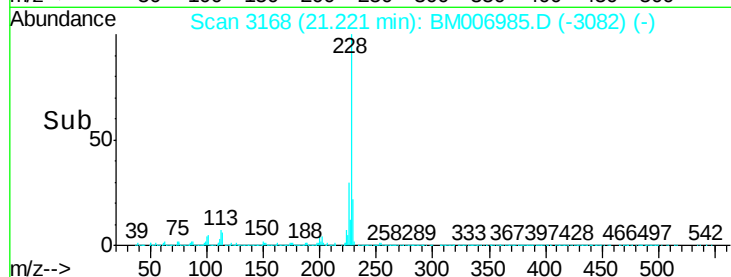
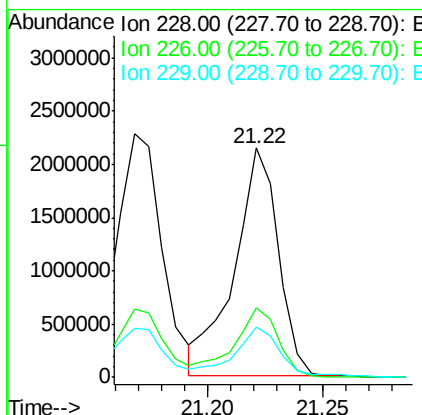
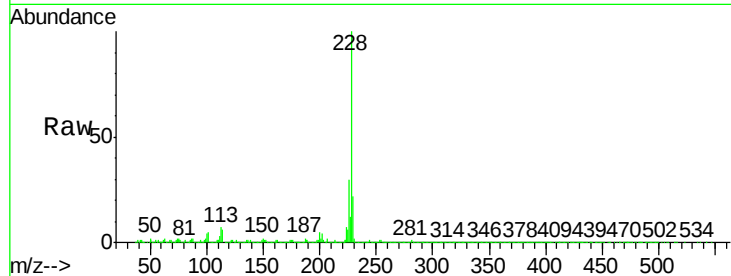
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 Chrysene
 Concen: 45.84 ng/ul
 RT: 21.22 min Scan# 3168
 Delta R.T. 0.01 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Instrument :
 BNA_M
 ClientSampled :
 DA0H1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	22.1	15.1	22.7

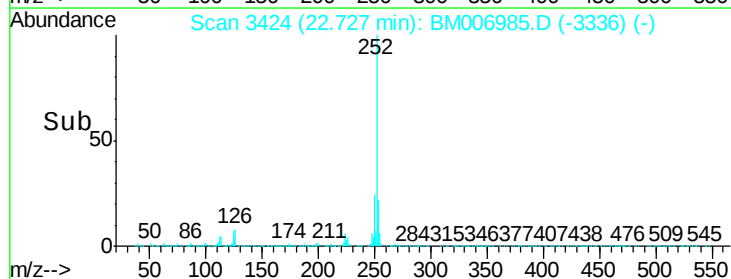
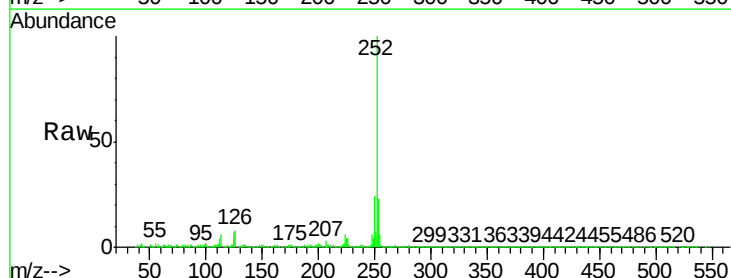
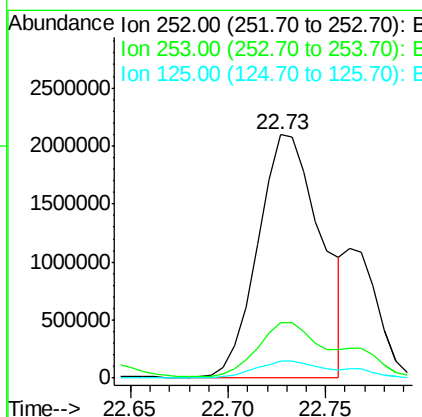
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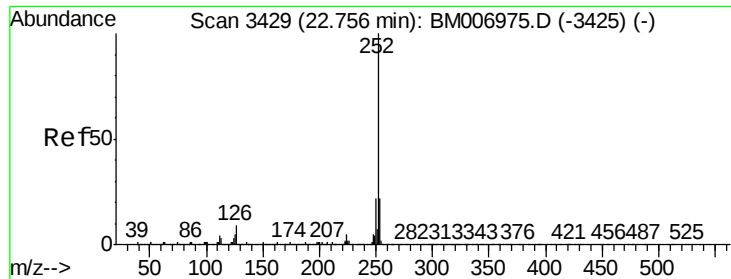
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#35
 Benzo(b)fluoranthene
 Concen: 67.47 ng/ul
 RT: 22.73 min Scan# 3424
 Delta R.T. 0.02 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	7.2	5.1	7.7





#36

Benzo(k)fluoranthene

Concen: 19.27 ng/ul m

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Instrument :

BNA_M

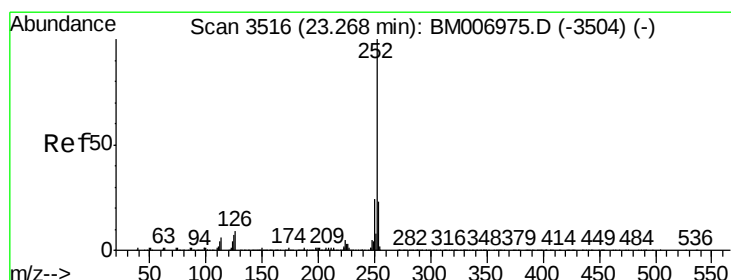
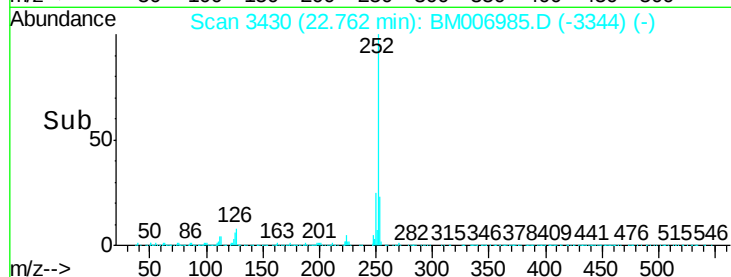
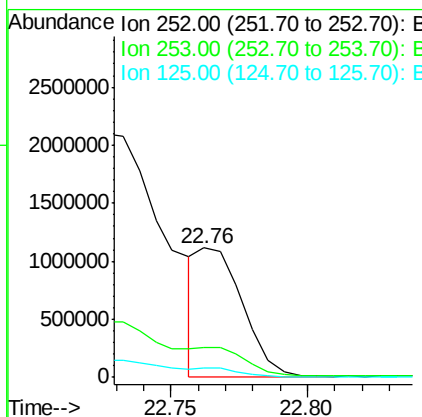
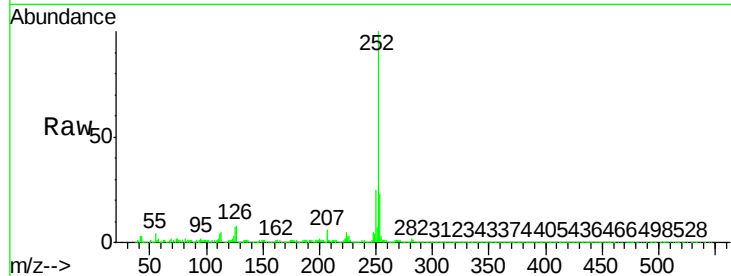
ClientSampleId :

DA0H1

Tgt Ion:	252	Resp:	1286813
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	6.8	5.1	7.7

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#38

Benzo(a)pyrene

Concen: 48.09 ng/ul

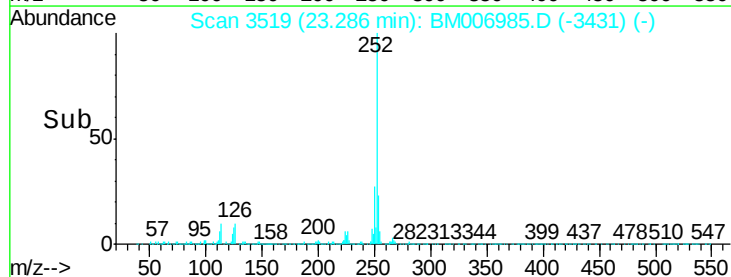
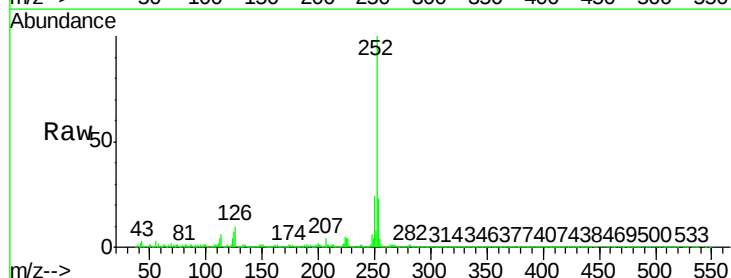
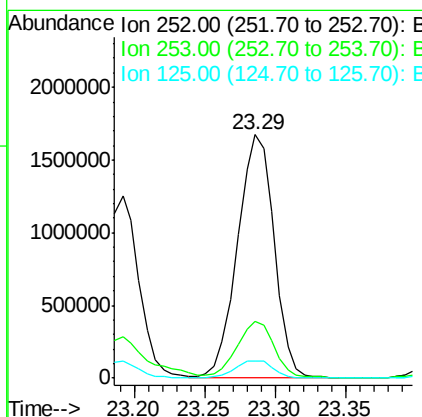
RT: 23.29 min Scan# 3519

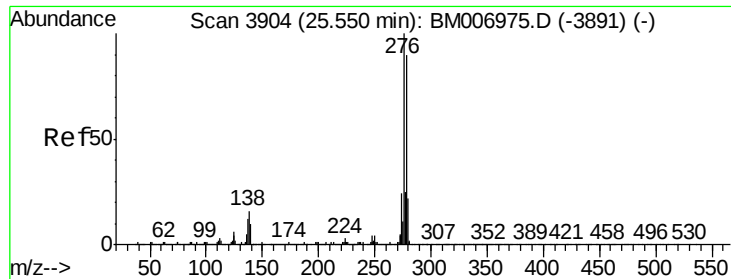
Delta R.T. 0.02 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Tgt Ion:	252	Resp:	3015222
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	7.2	5.6	8.4





#39

Indeno(1,2,3-cd)pyrene

Concen: 39.17 ng/ul

RT: 25.57 min Scan# 3908

Delta R.T. 0.02 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Instrument :

BNA_M

ClientSampleId :

DA0H1

Tgt Ion:276 Resp: 2491578

Ion Ratio Lower Upper

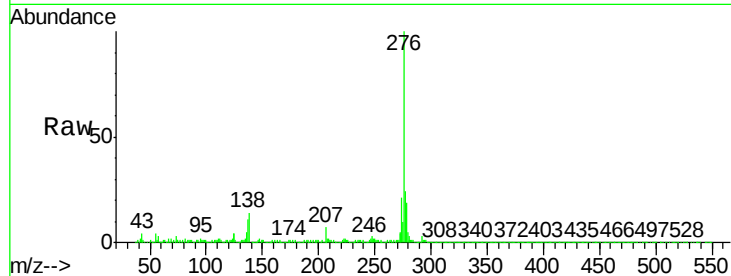
276 100

138 13.5 12.6 19.0

277 24.3 20.3 30.5

Manual Integrations
APPROVED

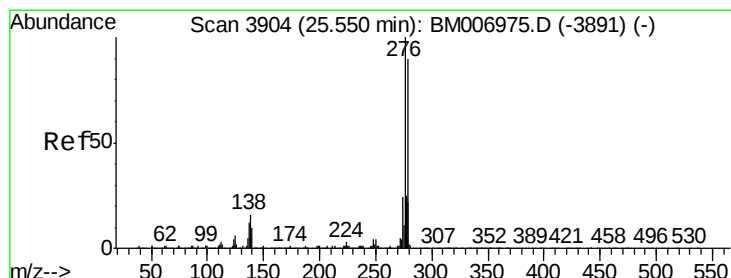
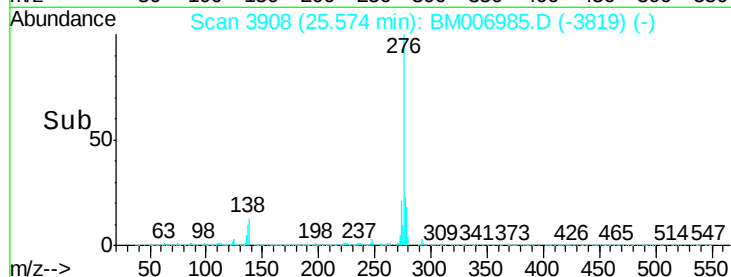
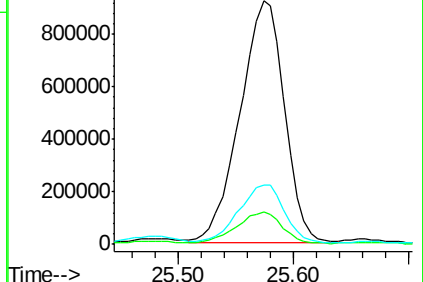
sohil
8/8/2016 7:09:15 PM



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: 12.22 ng/ul m

RT: 25.57 min Scan# 3907

Delta R.T. 0.02 min

Lab File: BM006985.D

Acq: 08 Aug 2016 09:23

Tgt Ion:278 Resp: 654328

Ion Ratio Lower Upper

278 100

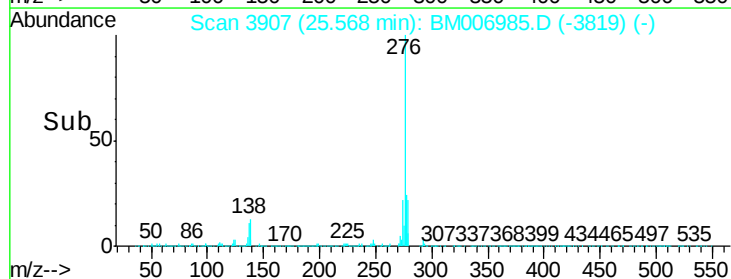
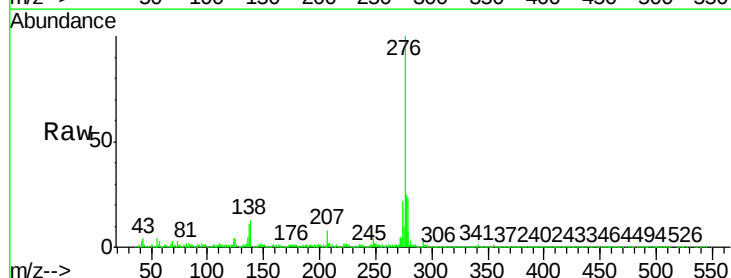
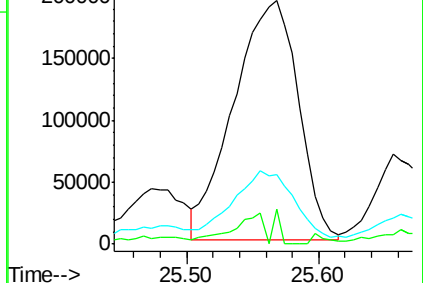
139 14.5 7.5 11.3#

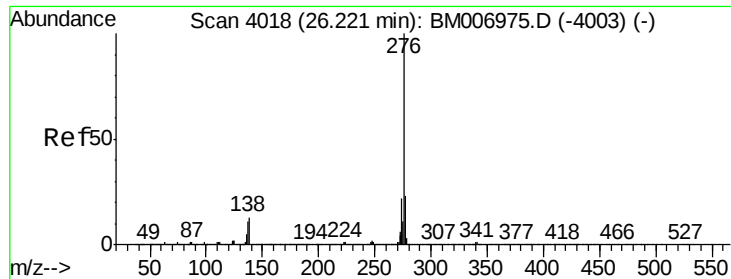
279 28.5 19.0 28.4#

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: 47.99 ng/ul
 RT: 26.25 min Scan# 4023
 Delta R.T. 0.03 min
 Lab File: BM006985.D
 Acq: 08 Aug 2016 09:23

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1

Tgt Ion:	276	Resp:	2404262
Ion	Ratio	Lower	Upper
276	100		
138	12.9	10.9	16.3
277	24.1	18.6	27.8

Manual Integrations
 APPROVED

sohil
 8/8/2016 7:09:15 PM

