

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007011.D
 Acq On : 10 Aug 2016 21:47
 Operator : UM/SJ
 Sample : H4303-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H9

Manual Integrations
 APPROVED

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 8/11/2016 6:37:50 AM

Quant Time: Aug 11 03:31:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	348084	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1553877	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	944278	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2215121	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2311901	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	1978159	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	15343	2.01	ng/uL	0.00
3) Phenol-d5	6.98	99	618904	19.98	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	391456	22.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	521577	22.19	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	425362	16.22	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	269488	22.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	299057	22.00	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	593261	22.35	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	614828	19.81	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1909301	23.66	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	2336851	24.73	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	229910	15.87	ng/ul	0.00
21) Fluorene-d10	15.44	176	1648389	24.03	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	176827	14.73	ng/ul	0.00
26) Anthracene-d10	17.29	188	2528246	24.50	ng/ul	0.00
30) Pyrene-d10	19.59	212	2898870	27.58	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	2301076	25.30	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.66	128	756666	9.71	ng/ul	99
13) 2-Methylnaphthalene	12.26	142	126107	2.04	ng/ul	96
14) 1-Methylnaphthalene	12.49	142	76760	1.30	ng/ul	96
19) Acenaphthene	14.51	153	574020	9.09	ng/ul	98
22) Fluorene	15.50	166	391429	5.22	ng/ul	98
25) Phenanthrene	17.24	178	5984784	50.43	ng/ul	99
27) Anthracene	17.33	178	1235407	10.08	ng/ul	99
28) Fluoranthene	19.25	202	8933428	59.76	ng/ul	99
31) Pyrene	19.62	202	7544411	56.26	ng/ul	98
32) Benzo(a)anthracene	21.36	228	4341625	31.90	ng/ul	98
33) Chrysene	21.41	228	3951684	31.98	ng/ul	98
35) Benzo(b)fluoranthene	22.97	252	5471067	44.52	ng/ul	97
36) Benzo(k)fluoranthene	23.01	252	1878594m	16.18	ng/ul	
38) Benzo(a)pyrene	23.56	252	3673447	32.50	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.96	276	2812118	25.09	ng/ul	97
40) Dibenzo(a,h)anthracene	25.96	278	699506m	7.54	ng/ul	
41) Benzo(g,h,i)perylene	26.66	276	2763538	29.98	ng/ul	99

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

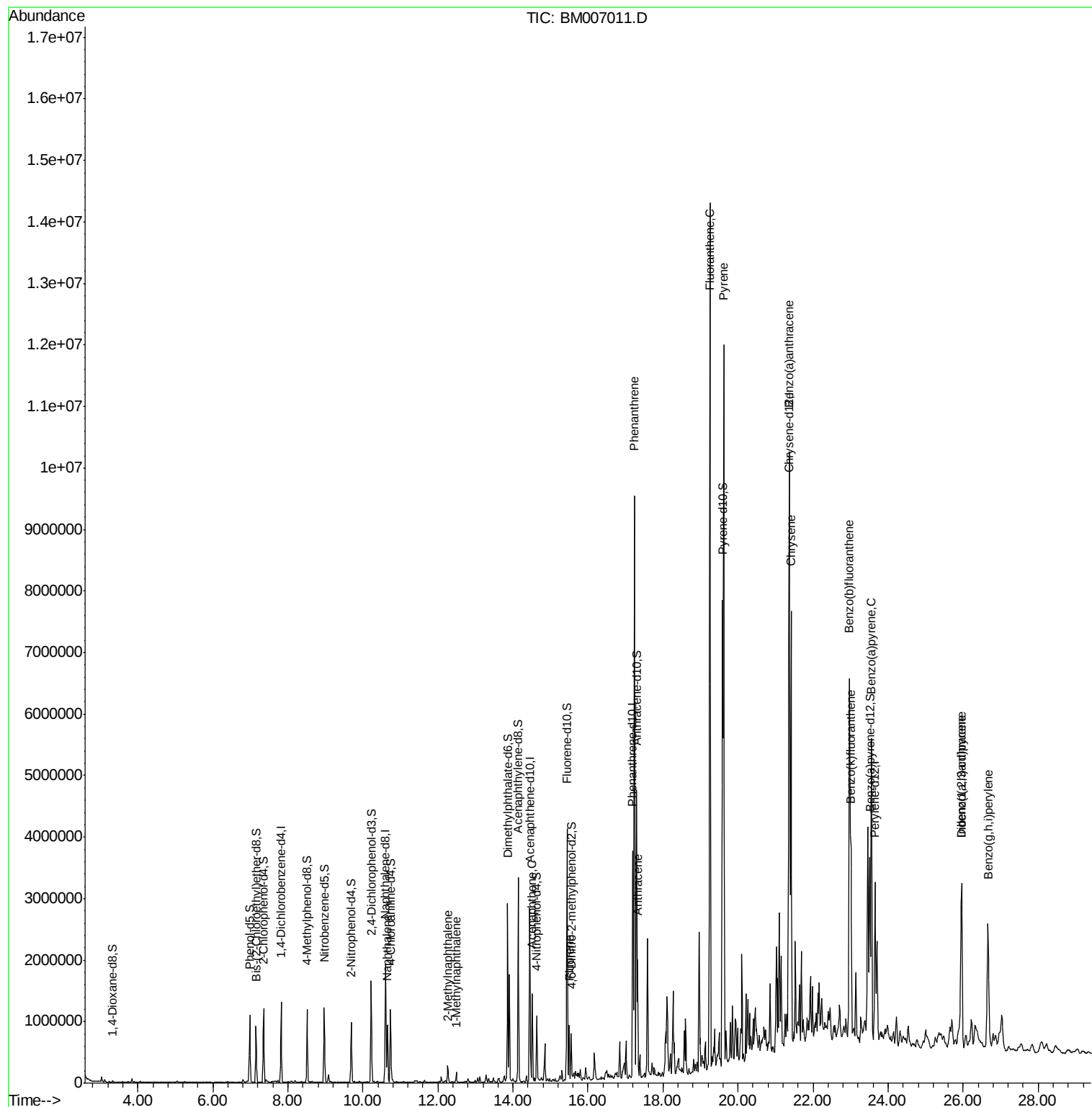
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
Data File : BM007011.D
Acq On : 10 Aug 2016 21:47
Operator : UM/SJ
Sample : H4303-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

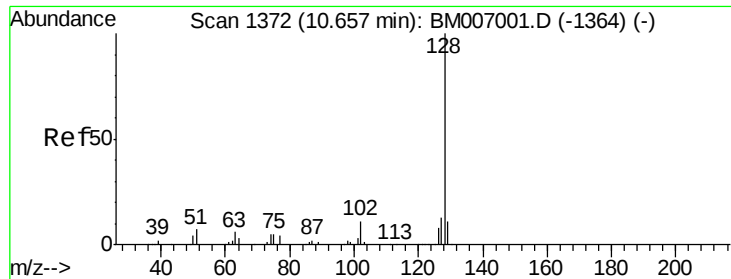
Instrument :
BNA_M
ClientSampleID :
DA0H9

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Quant Title : SVOA CALIBRATION
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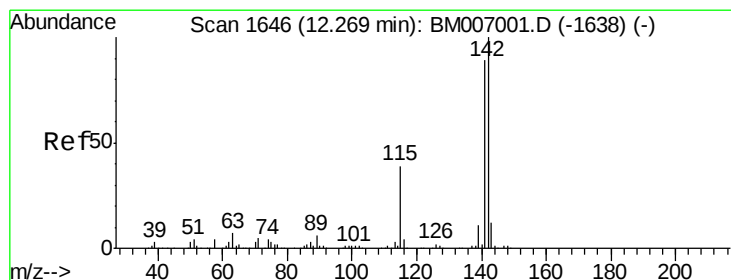
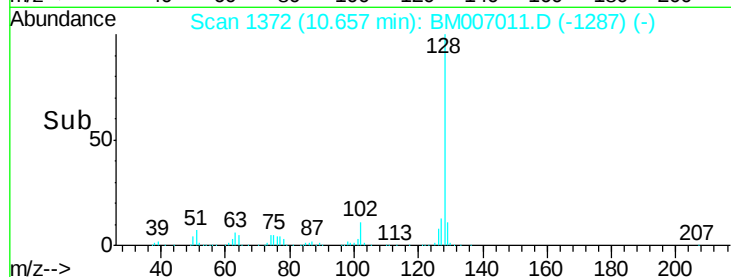
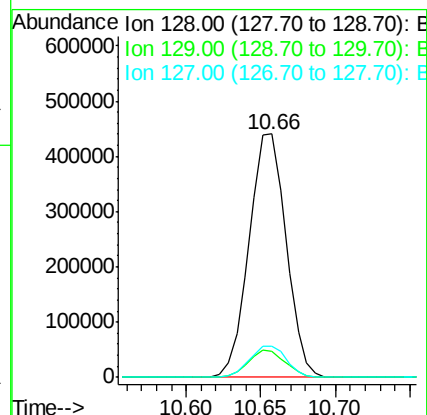
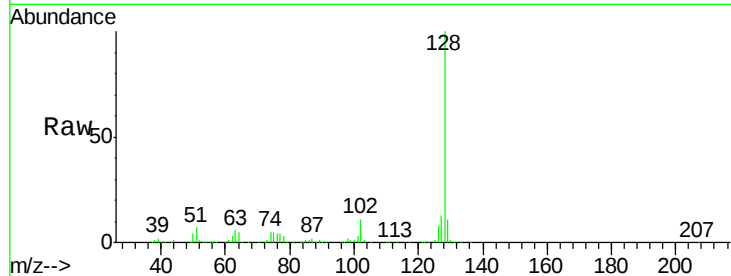
#11
Naphthalene
Concen: 9.71 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Instrument :
BNA_M
ClientSampleId :
DA0H9

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.7	8.9	13.3
127	12.9	10.4	15.6

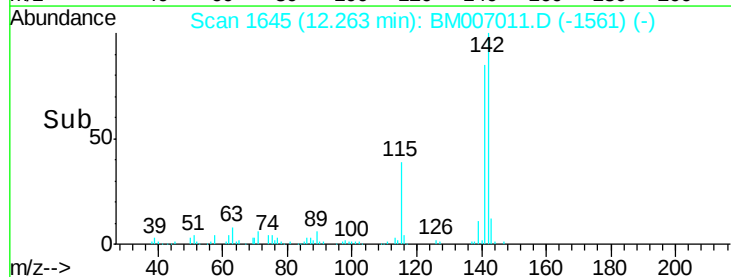
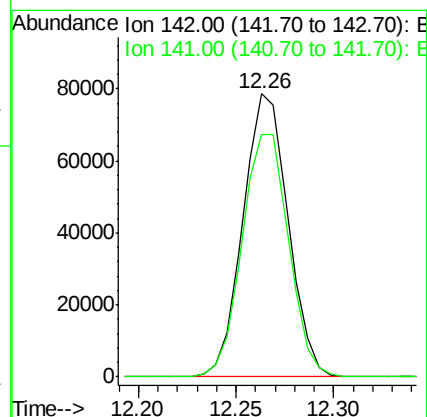
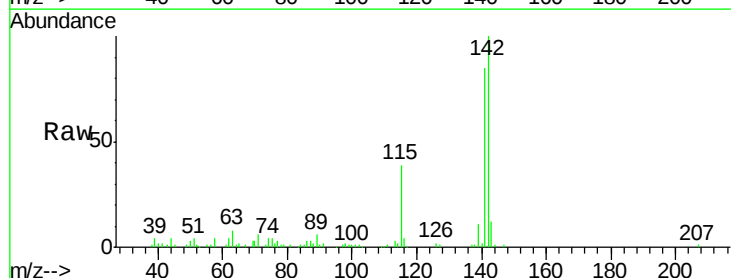
Manual Integrations
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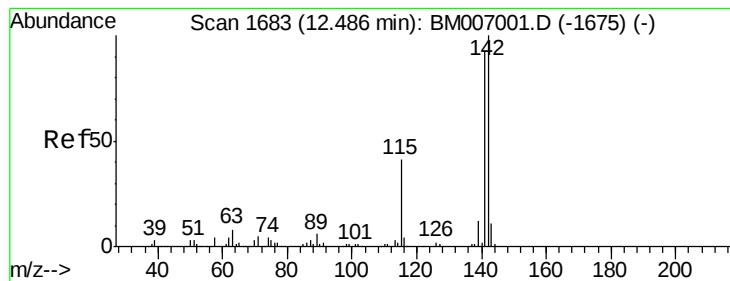
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#13
2-Methylnaphthalene
Concen: 2.04 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	85.5	71.0	106.6





#14

1-Methylnaphthalene

Concen: 1.30 ng/ul

RT: 12.49 min Scan# 1683

Delta R.T. -0.01 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

Instrument :

BNA_M

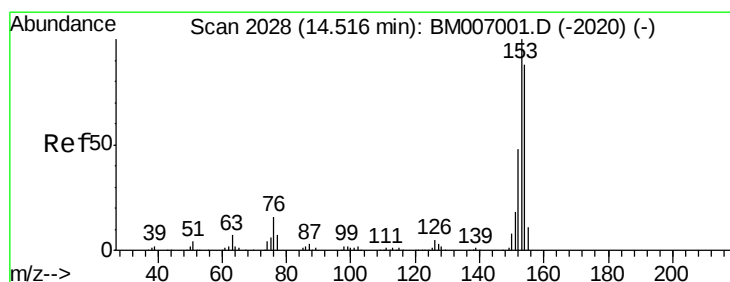
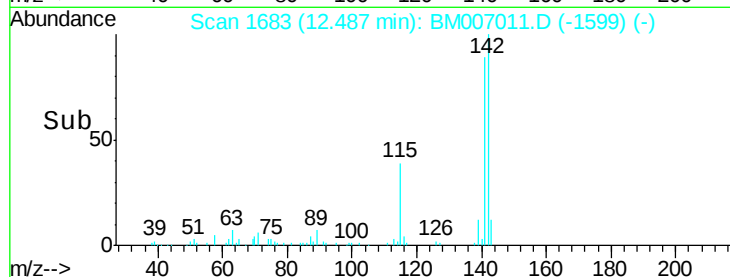
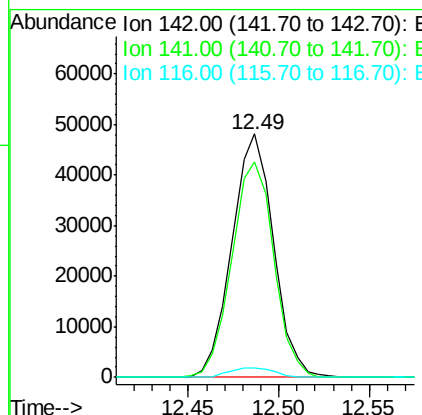
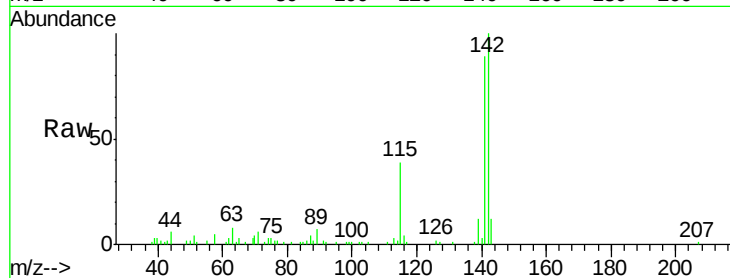
ClientSampleId :

DA0H9

Tgt Ion:	142	Resp:	76760
Ion Ratio	Lower	Upper	
142	100		
141	88.6	74.4	111.6
116	4.0	3.2	4.8

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#19

Acenaphthene

Concen: 9.09 ng/ul

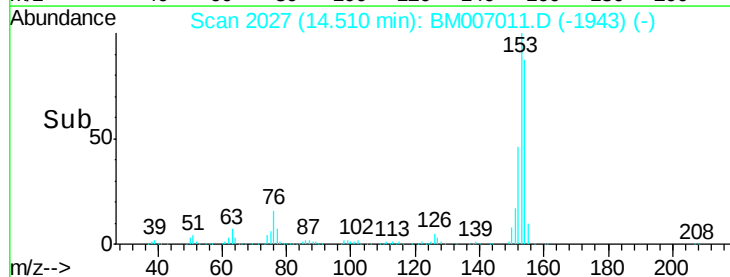
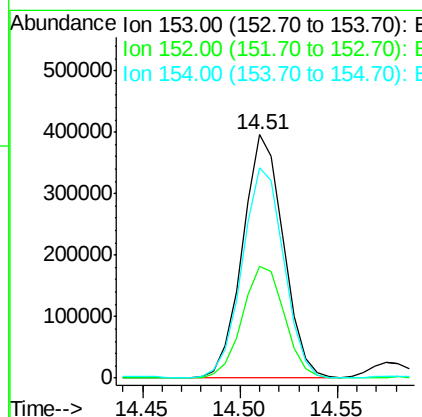
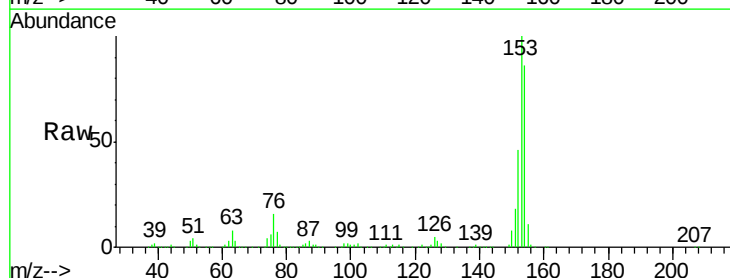
RT: 14.51 min Scan# 2027

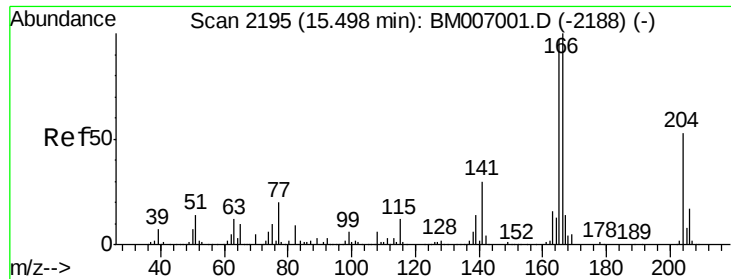
Delta R.T. -0.01 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

Tgt Ion:	153	Resp:	574020
Ion Ratio	Lower	Upper	
153	100		
152	45.7	37.0	55.6
154	86.4	70.9	106.3





#22

Fluorene

Concen: 5.22 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

Instrument :

BNA_M

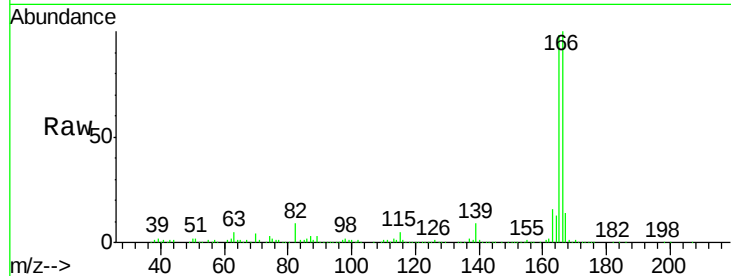
ClientSampleId :

DA0H9

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	391429		
165	98.1	76.6	115.0	
167	13.7	10.7	16.1	

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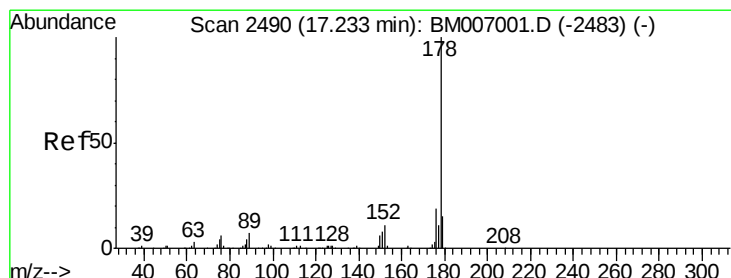
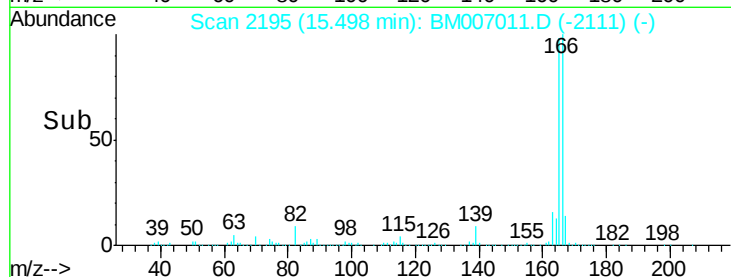
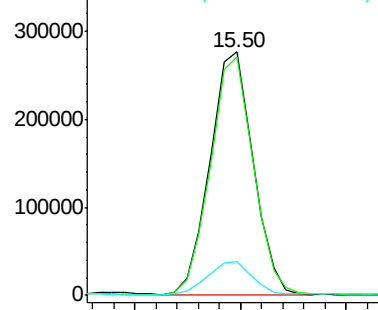
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 50.43 ng/ul

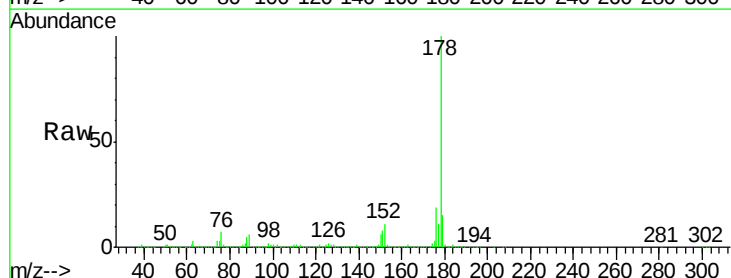
RT: 17.24 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

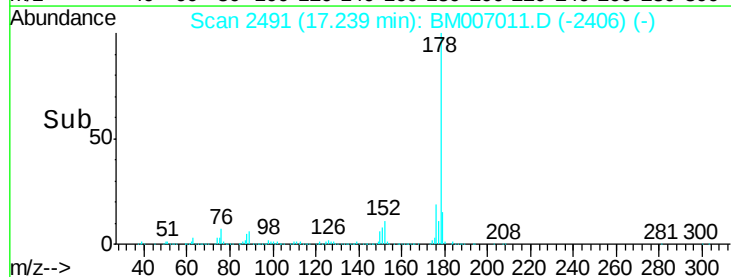
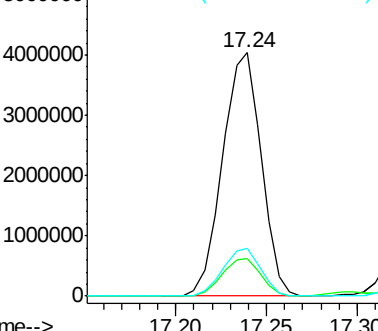
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5984784		
179	15.4	12.2	18.2	
176	19.4	15.2	22.8	

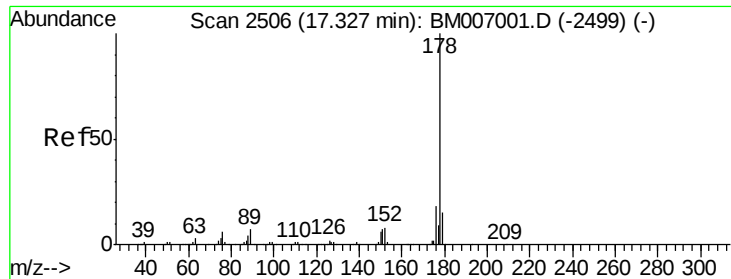


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 10.08 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

Instrument :

BNA_M

ClientSampled :

DA0H9

Tgt Ion:178 Resp: 1235407

Ion Ratio Lower Upper

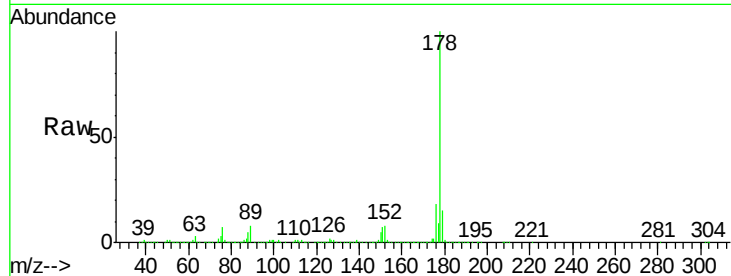
178 100

179 15.2 12.5 18.7

176 18.3 15.0 22.4

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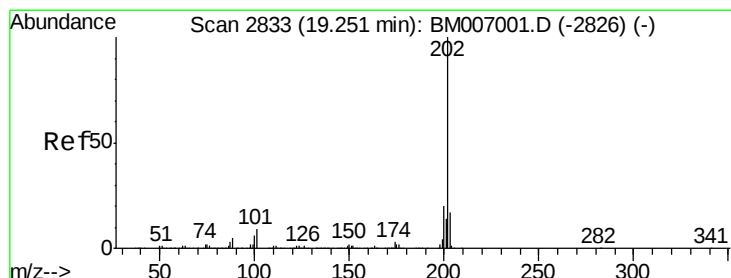
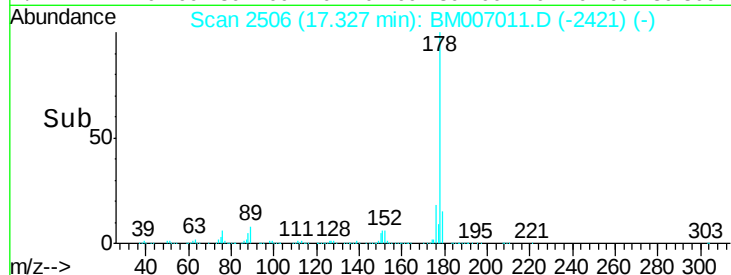
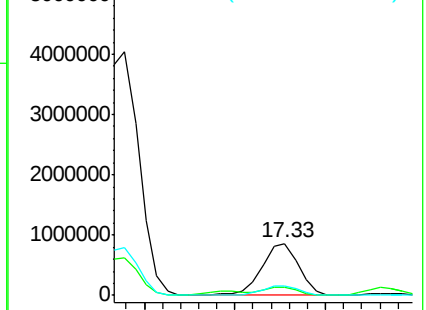
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 59.76 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007011.D

Acq: 10 Aug 2016 21:47

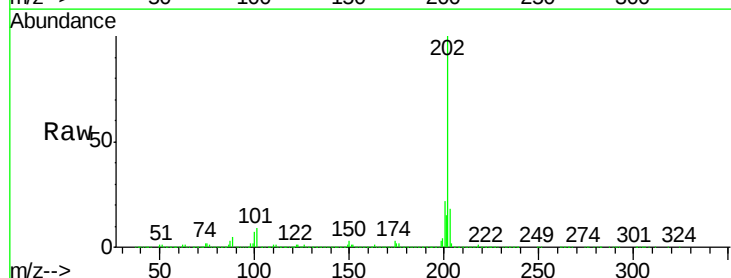
Tgt Ion:202 Resp: 8933428

Ion Ratio Lower Upper

202 100

101 8.8 7.4 11.2

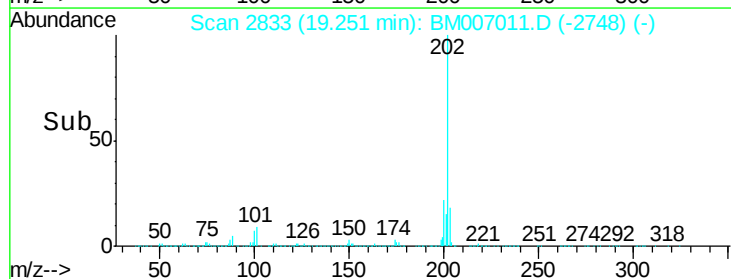
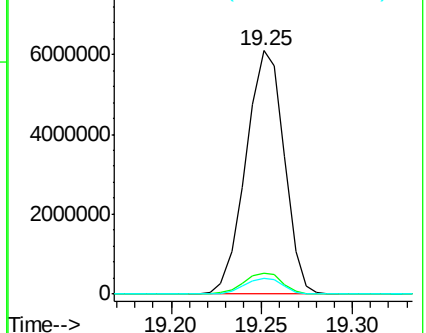
100 6.7 5.8 8.6

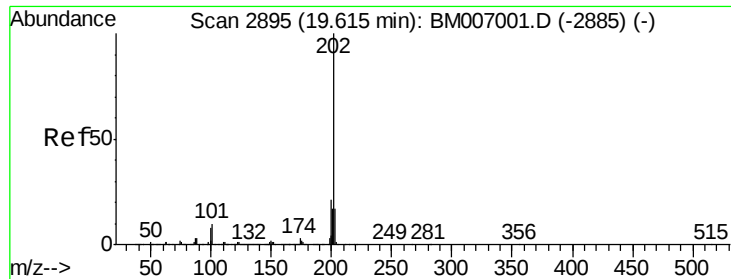


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





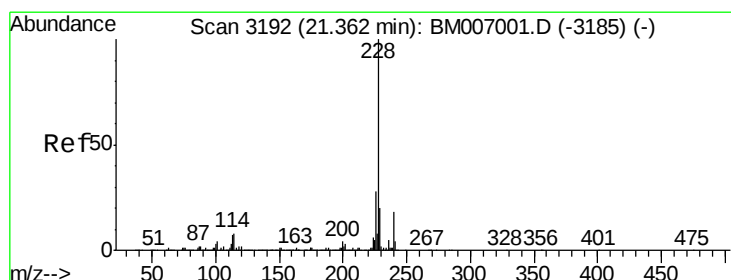
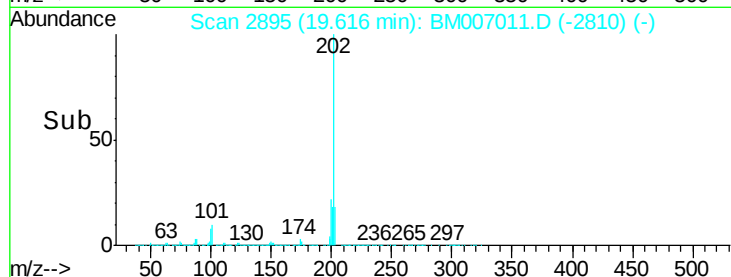
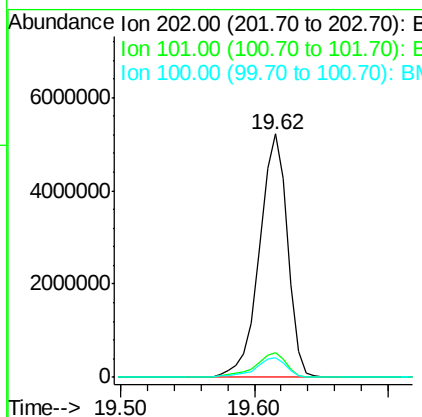
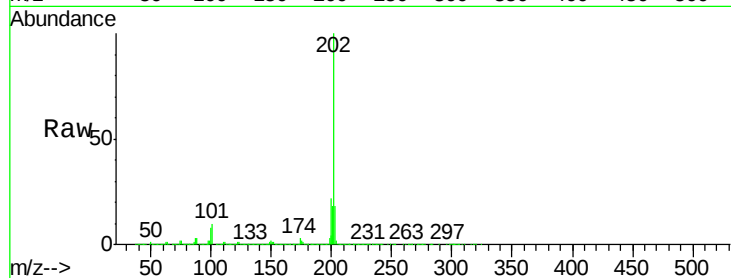
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 Pyrene
 Concen: 56.26 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BM007011.D
 Acq: 10 Aug 2016 21:47

Instrument :
 BNA_M
 ClientSampleId :
 DA0H9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.5	12.7
100	8.2	7.1	10.7

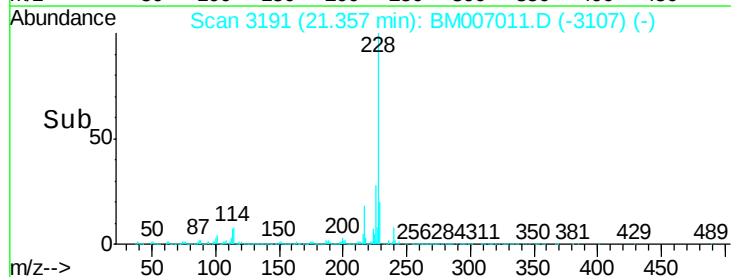
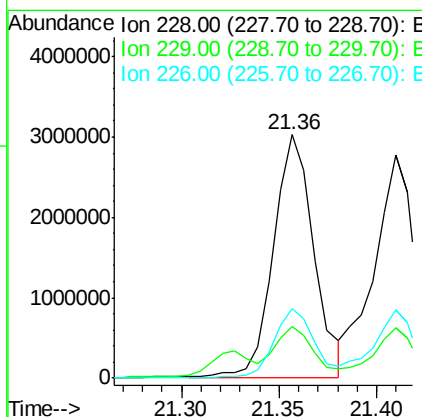
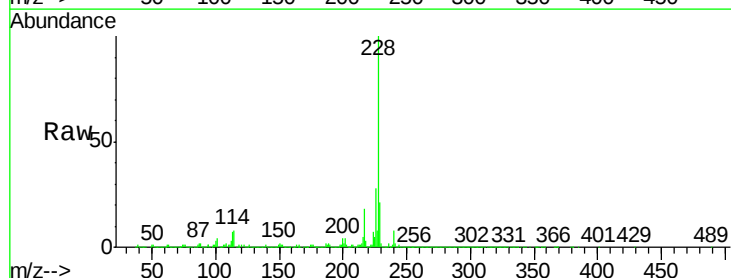
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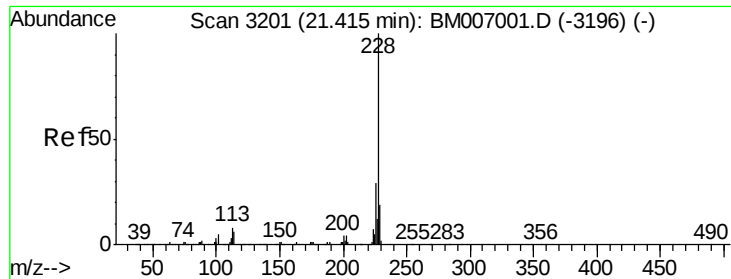
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#32
 Benzo(a)anthracene
 Concen: 31.90 ng/ul
 RT: 21.36 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BM007011.D
 Acq: 10 Aug 2016 21:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	28.5	21.9	32.9





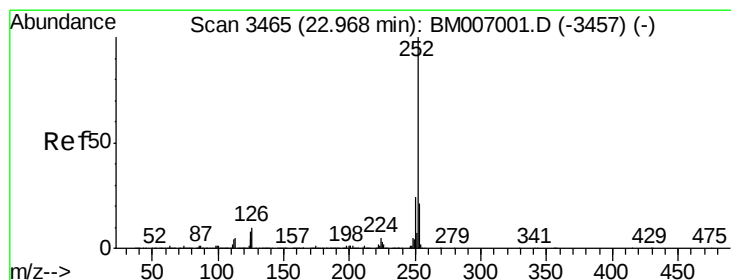
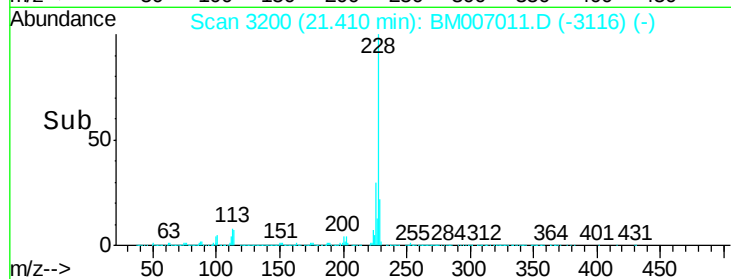
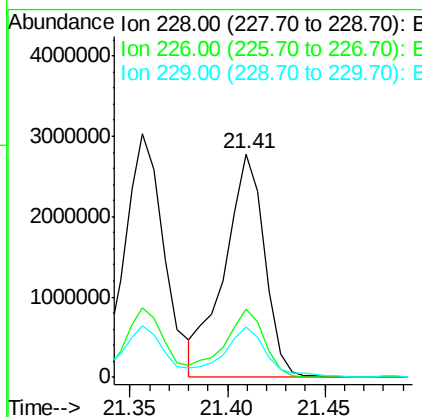
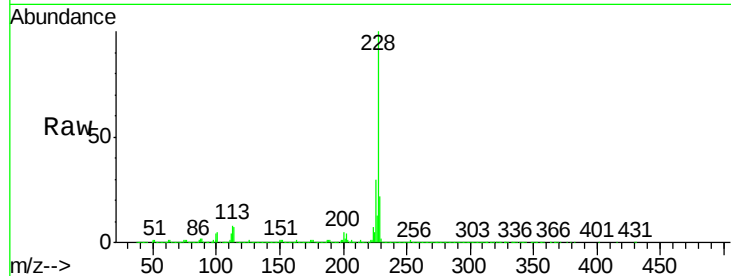
#33
Chrysene
Concen: 31.98 ng/ul
RT: 21.41 min Scan# 3200
Delta R.T. -0.01 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Instrument :
BNA_M
ClientSampleId :
DA0H9

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	22.5	15.9	23.9

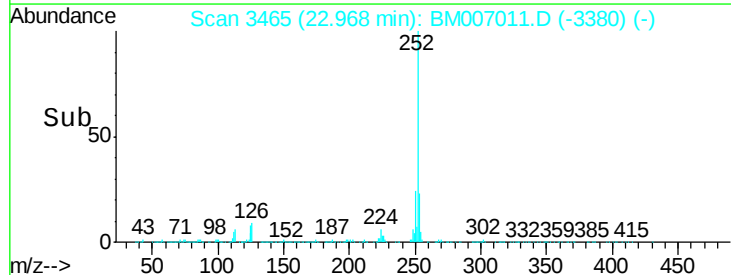
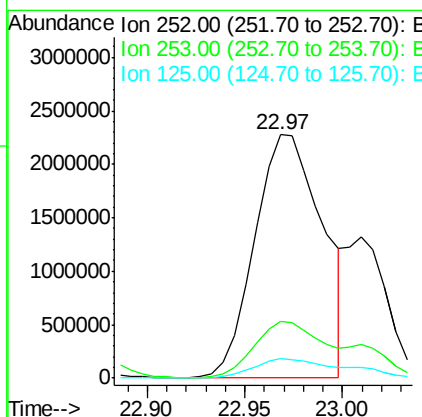
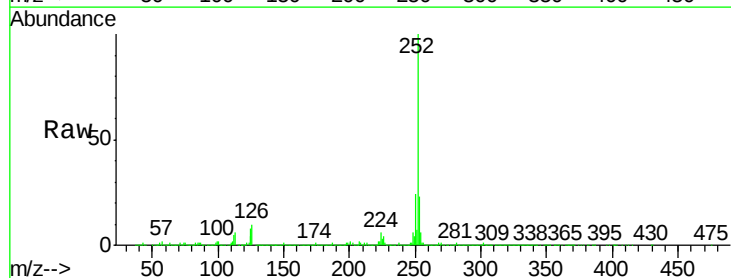
Manual Integrations
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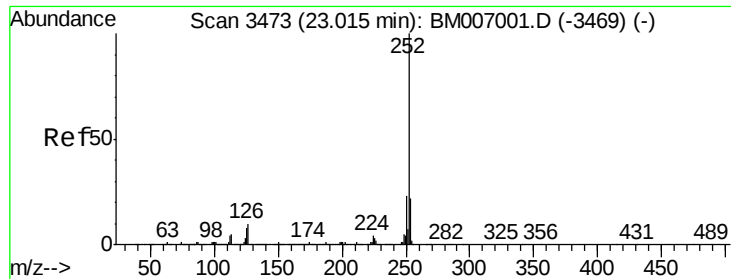
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#35
Benzo(b)fluoranthene
Concen: 44.52 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	8.0	6.0	9.0





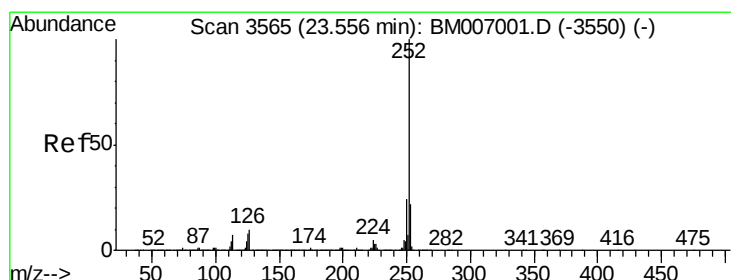
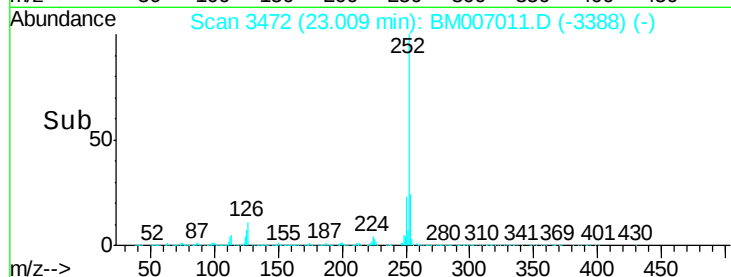
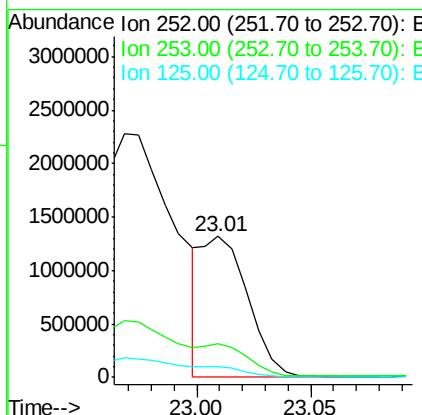
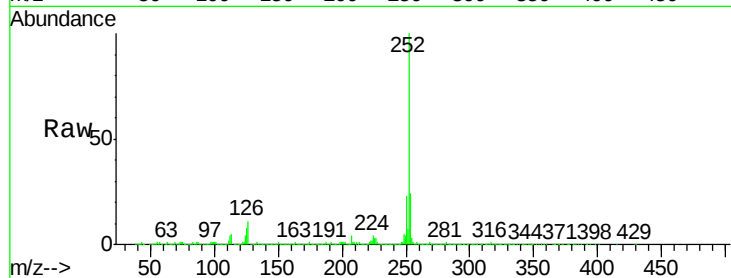
#36
Benzo(k)fluoranthene
Concen: 16.18 ng/ul m
RT: 23.01 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Instrument :
BNA_M
ClientSampleId :
DA0H9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	7.5	6.2	9.4

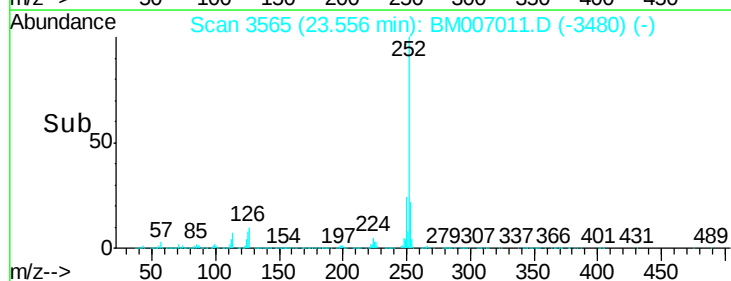
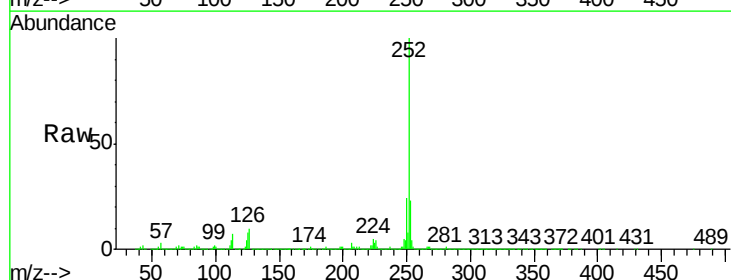
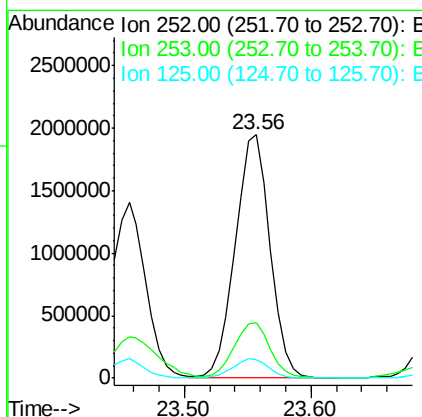
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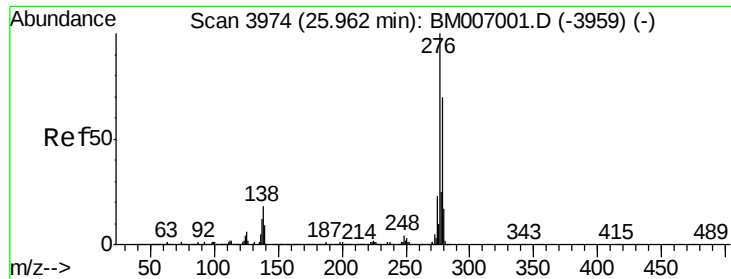
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8/11/2016 6:37:50 AM



#38
Benzo(a)pyrene
Concen: 32.50 ng/ul
RT: 23.56 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	7.8	6.8	10.2





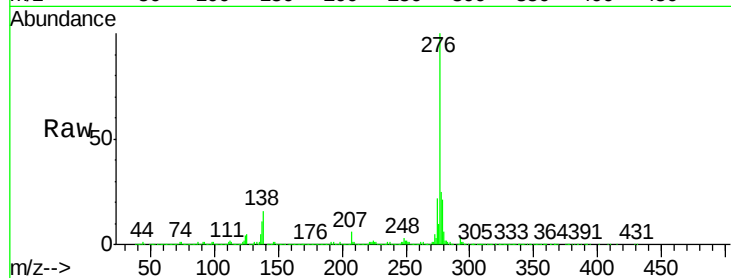
#39
Indeno(1,2,3-cd)pyrene
Concen: 25.09 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Instrument :
BNA_M
ClientSampleId :
DA0H9

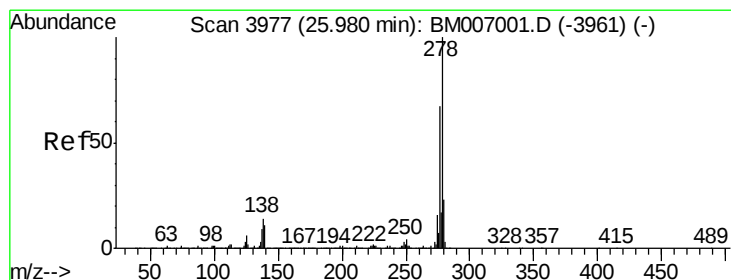
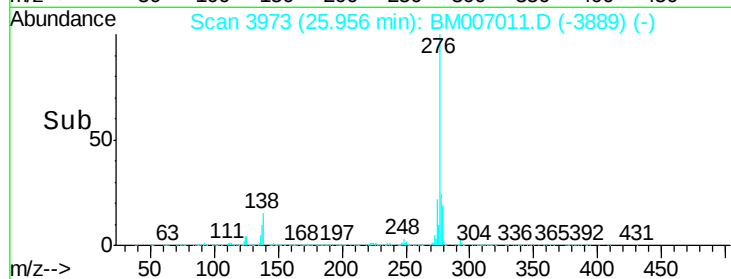
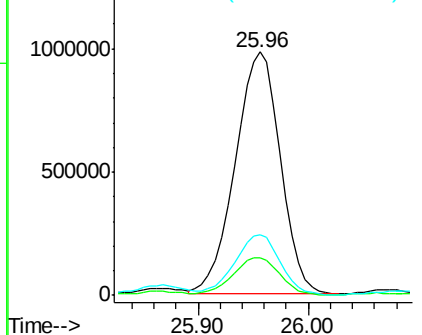
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	14.9	22.3
277	24.8	19.8	29.6

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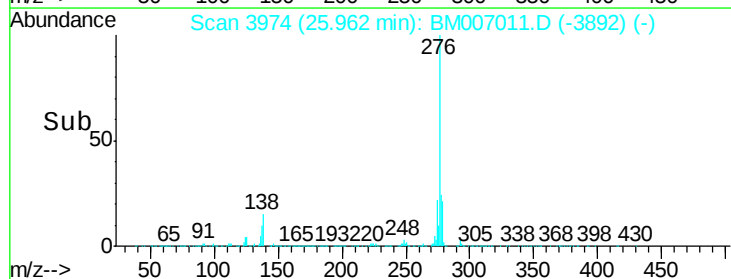
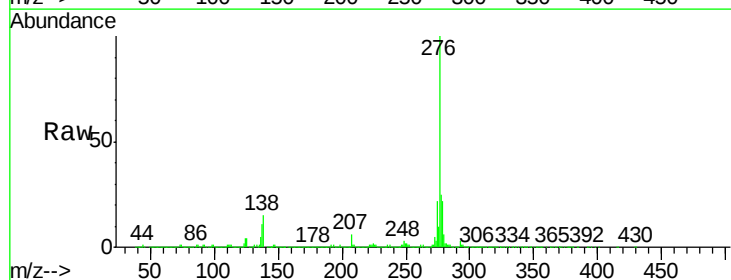
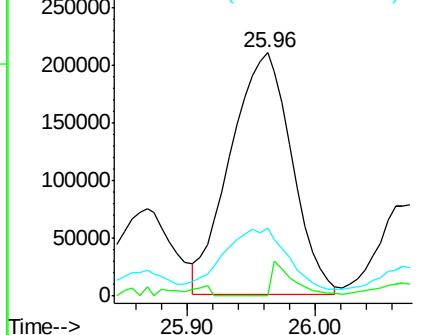
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

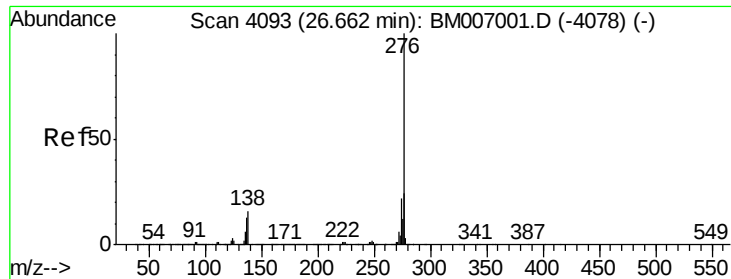


#40
Dibenzo(a,h)anthracene
Concen: 7.54 ng/ul m
RT: 25.96 min Scan# 3974
Delta R.T. -0.02 min
Lab File: BM007011.D
Acq: 10 Aug 2016 21:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.3	15.5#
279	27.8	18.8	28.2

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: 29.98 ng/ul
 RT: 26.66 min Scan# 4093
 Delta R.T. 0.00 min
 Lab File: BM007011.D
 Acq: 10 Aug 2016 21:47

Instrument :
 BNA_M
 ClientSampleId :
 DA0H9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.0	21.0
277	24.0	19.6	29.4

Manual Integrations
 APPROVED

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