

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014763.D
 Acq On : 20 Apr 2018 14:29
 Operator : SJ/JU
 Sample : J2434-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD5

Manual Integrations
 APPROVED

Sohil
 4/23/2018 3:40:28 PM

Quant Time: Apr 20 17:42:38 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 17:02:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	383122	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1602634	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.15	164	851124	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1775055	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1757441	20.00	ng/ul	0.00
83) Perylene-d12	24.45	264	1878285	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.68	96	45497	5.19	ng/uL	0.00
5) Phenol-d5	7.66	99	809906	27.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	592391	31.19	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	746709	30.14	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	635621	26.91	ng/ul	0.00
19) Nitrobenzene-d5	9.73	128	371695	32.08	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	387233	33.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	709371	30.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	916193	39.59	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	2099383	31.60	ng/ul	0.00
46) Acenaphthylene-d8	14.85	160	2732980	33.31	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	189542	15.37	ng/ul	0.00
57) Fluorene-d10	16.12	176	1790552	30.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	114286	11.90	ng/ul	0.00
70) Anthracene-d10	17.95	188	2597109	31.40	ng/ul	0.00
76) Pyrene-d10	20.19	212	2694304	32.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.29	264	2766806	29.98	ng/ul	0.00
Target Compounds						
6) Phenol	7.69	94	79078	2.714	ng/ul#	80
44) Dimethylphthalate	14.58	163	257307	4.006	ng/ul	100
49) Acenaphthene	15.21	153	109999	1.947	ng/ul	100
69) Phenanthrene	17.90	178	1172998	12.305	ng/ul	99
71) Anthracene	17.99	178	275119	2.844	ng/ul	97
72) Carbazole	18.24	167	252254	3.056	ng/ul	99
74) Fluoranthene	19.86	202	5667052	54.526	ng/ul#	82
77) Pyrene	20.22	202	6210981	60.487	ng/ul#	80
80) Benzo(a)anthracene	21.93	228	5500407	53.521	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.80	149	74103	1.205	ng/ul	98
82) Chrysene	21.99	228	6047703	62.860	ng/ul	95
85) Benzo(b)fluoranthene	23.69	252	12074209	109.048	ng/ul#	95
86) Benzo(k)fluoranthene	23.73	252	3617469m	33.976	ng/ul	
88) Benzo(a)pyrene	24.34	252	9107472	86.713	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.05	276	6763864	53.233	ng/ul#	92
90) Dibenzo(a,h)anthracene	27.05	278	1768172	16.528	ng/ul#	92
91) Benzo(g,h,i)perylene	27.86	276	6901003	66.019	ng/ul#	89

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

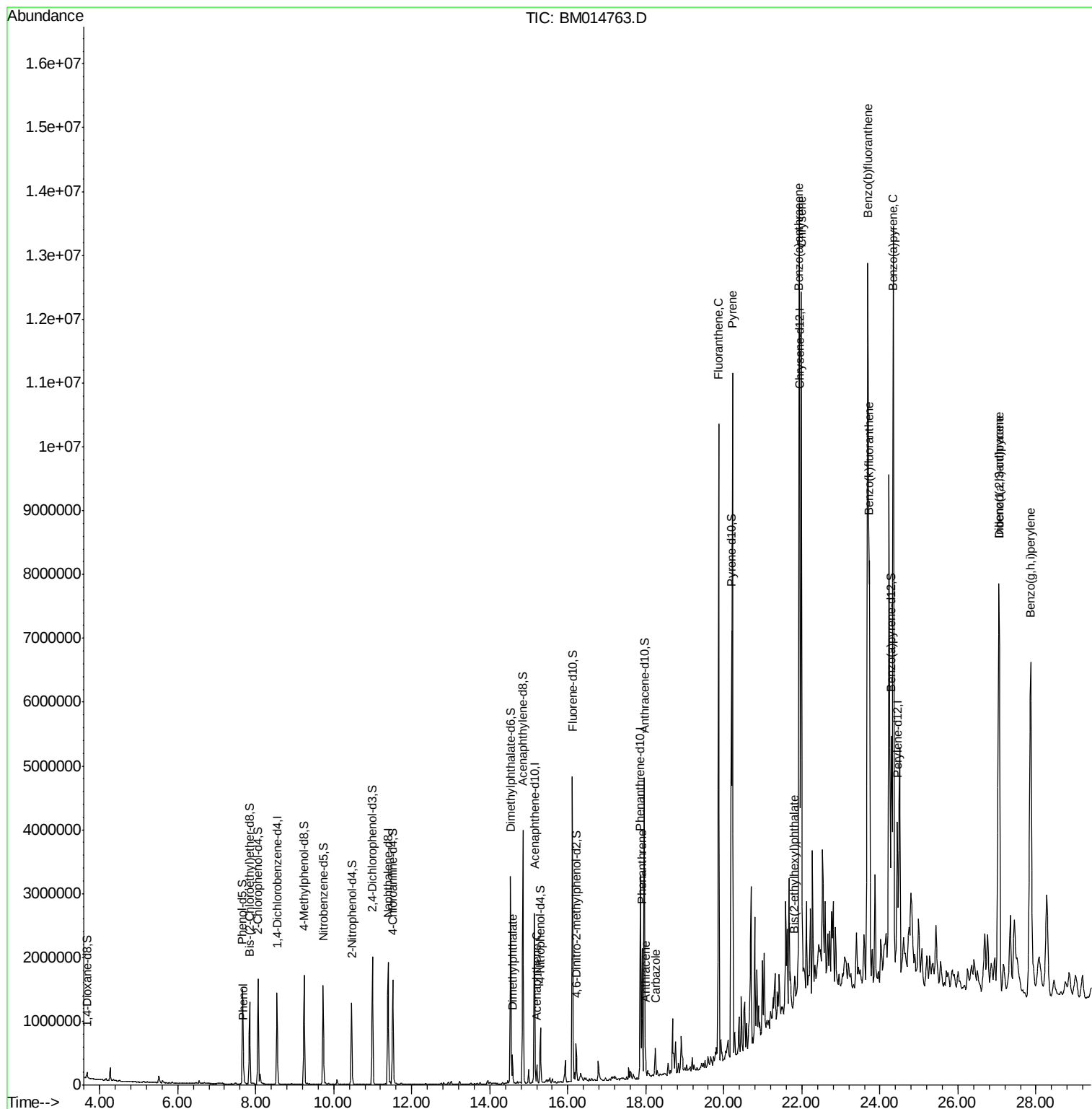
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014763.D
Acq On : 20 Apr 2018 14:29
Operator : SJ/JU
Sample : J2434-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

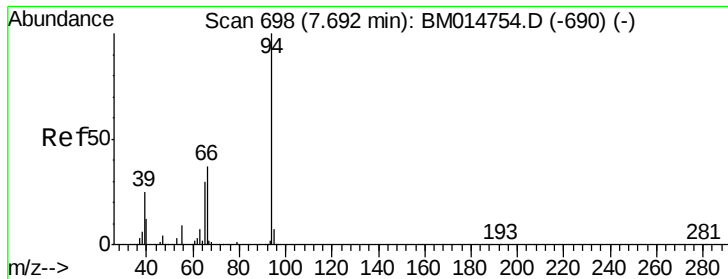
Instrument :
BNA_M
ClientSampleId :
C0AD5

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Quant Time: Apr 20 17:42:38 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 20 17:02:43 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.714 ng/ul

RT: 7.69 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

Instrument :

BNA_M

ClientSampleId :

C0AD5

Tot Ion: 94 Resp: 79078

Ion Ratio Lower Upper

94 100

65 29.2 28.2 42.4

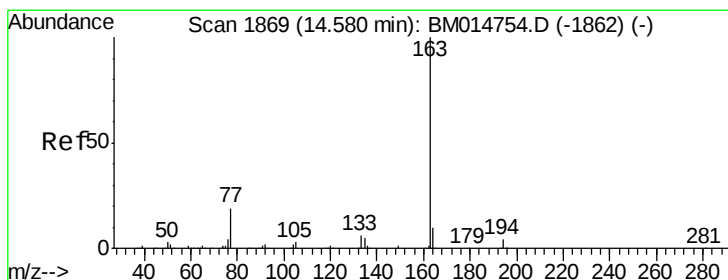
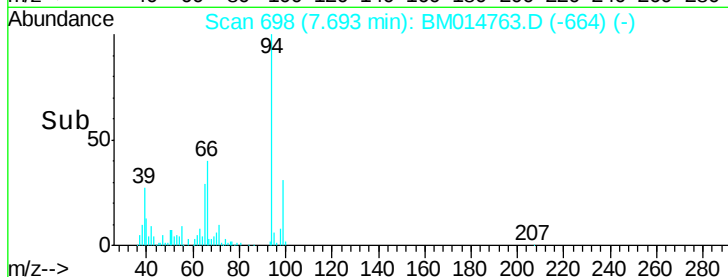
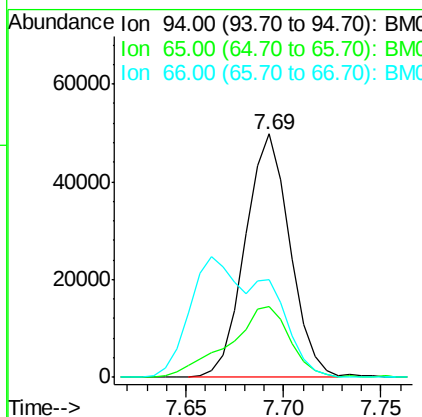
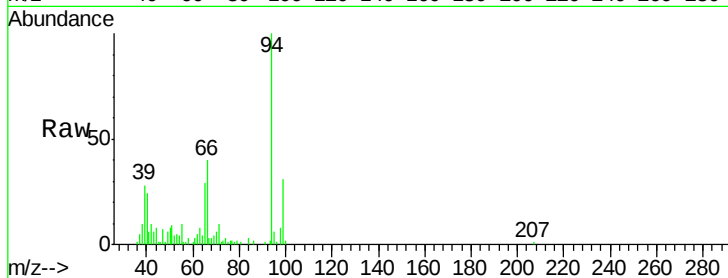
66 40.0 47.2 70.8#

Manual Integrations

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#44

Dimethylphthalate

Concen: 4.006 ng/ul

RT: 14.58 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

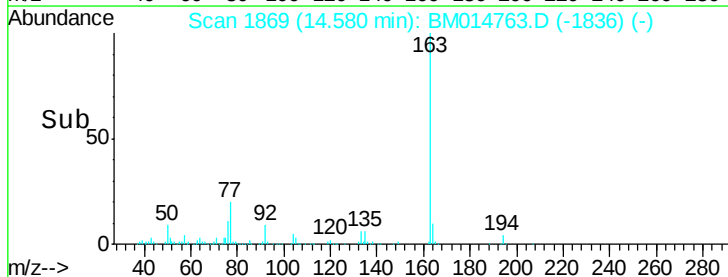
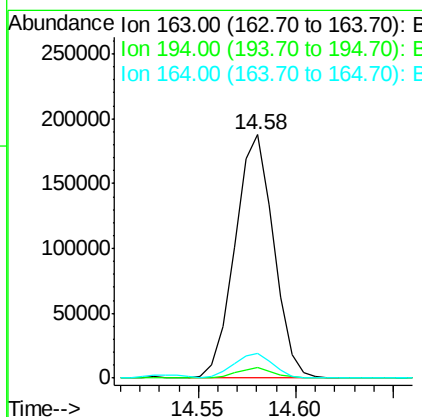
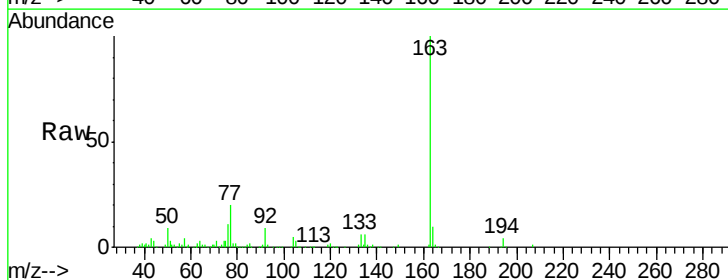
Tgt Ion: 163 Resp: 257307

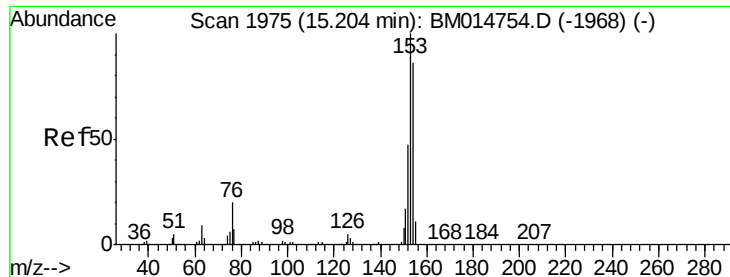
Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

164 10.4 8.2 12.4





#49

Acenaphthene

Concen: 1.947 ng/ul

RT: 15.21 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

Instrument :

BNA_M

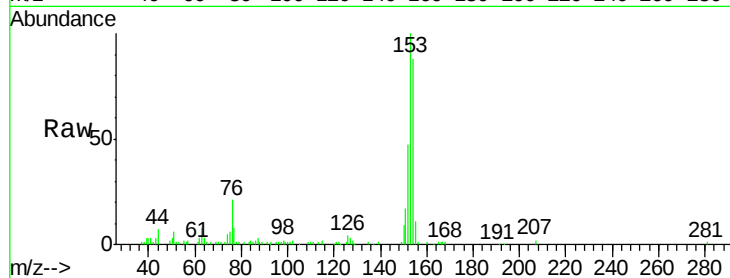
ClientSampleId :

C0AD5

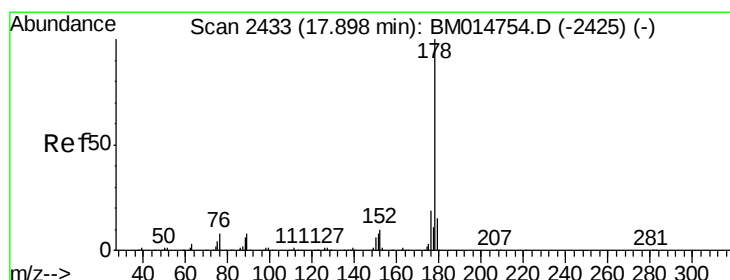
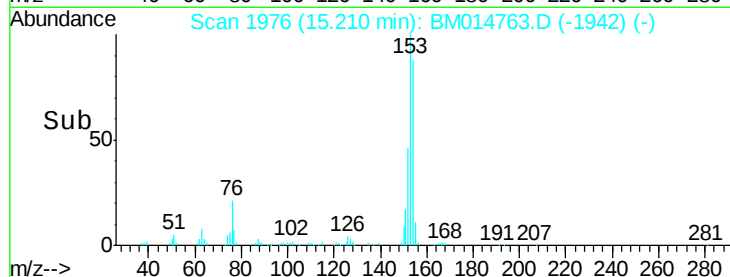
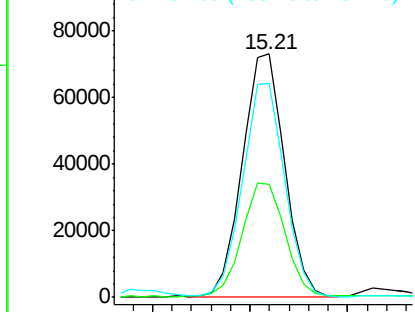
Tot Ion:	153	Resp:	109999
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.6	56.4
154	87.7	70.4	105.6

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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



#69

Phenanthrene

Concen: 12.305 ng/ul

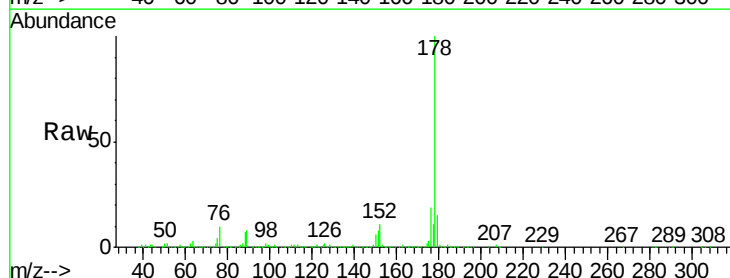
RT: 17.90 min Scan# 2433

Delta R.T. 0.00 min

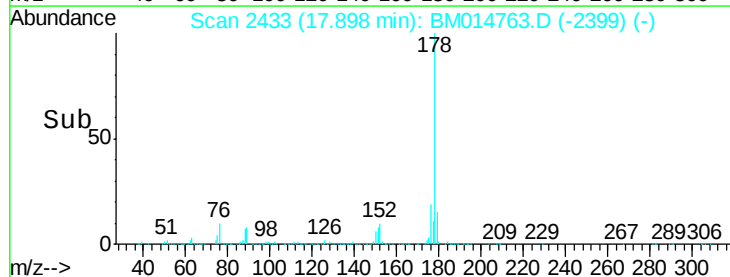
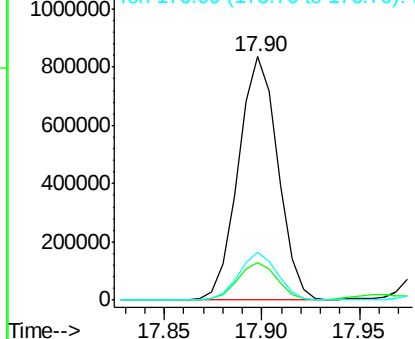
Lab File: BM014763.D

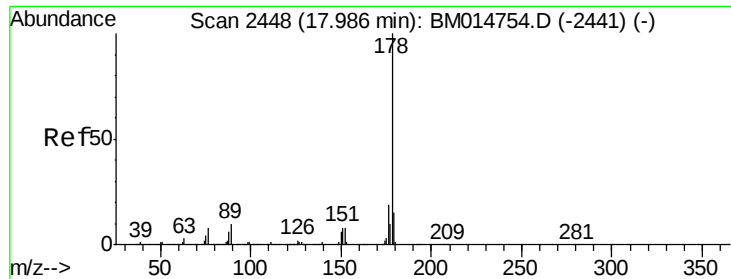
Acq: 20 Apr 2018 14:29

Tgt Ion:	178	Resp:	1172998
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.6	19.0
176	19.4	14.9	22.3



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





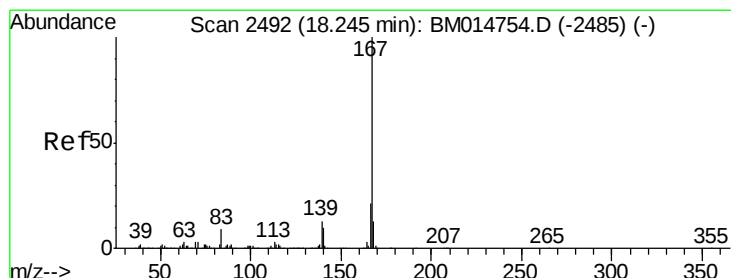
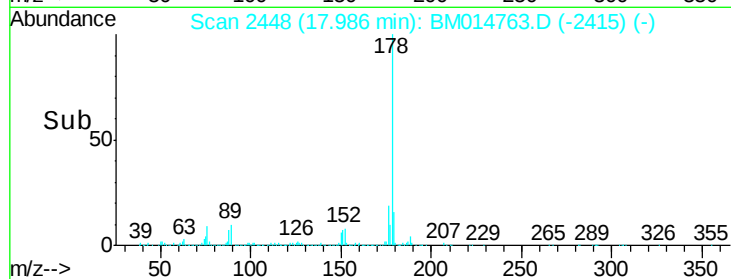
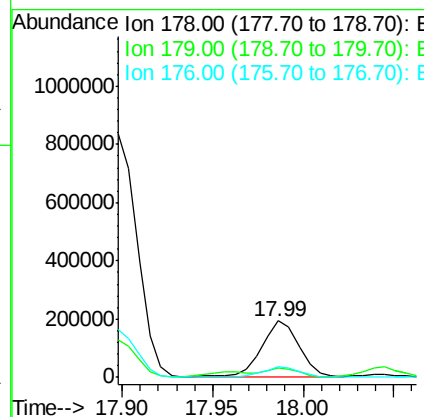
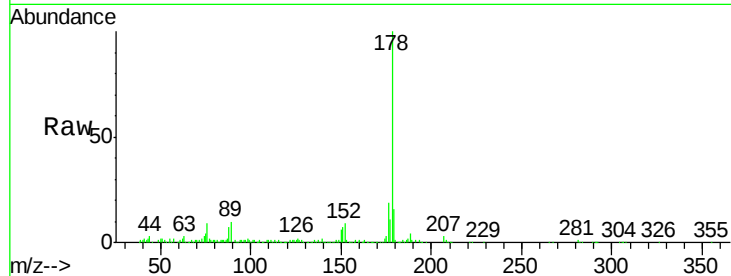
#71
 Anthracene
 Concen: 2.844 ng/ul
 RT: 17.99 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BM014763.D
 Acq: 20 Apr 2018 14:29

Instrument :
 BNA_M
 ClientSampleId :
 C0AD5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.7	17.5
176	18.7	14.6	21.8

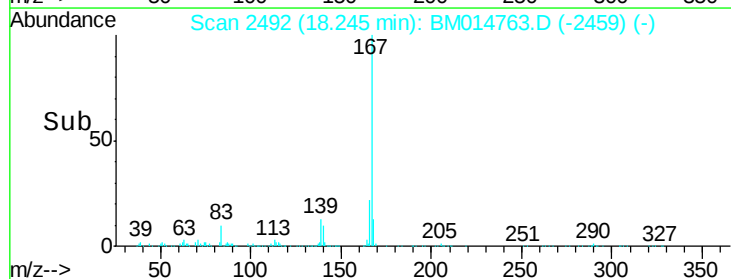
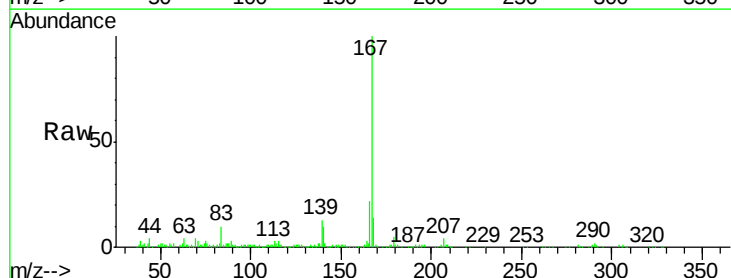
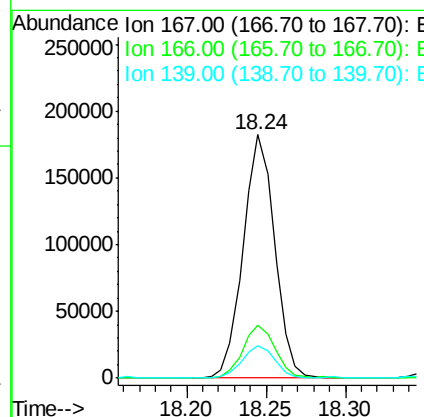
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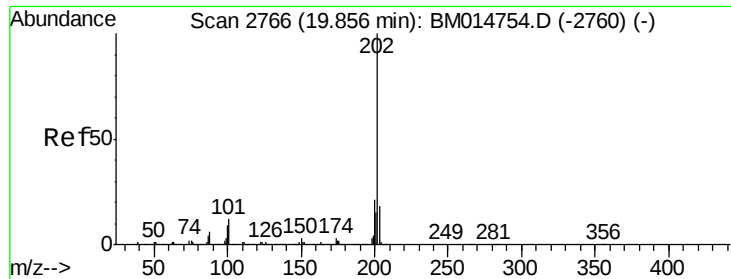
Sohil
 4/23/2018 3:40:28 PM



#72
 Carbazole
 Concen: 3.056 ng/ul
 RT: 18.24 min Scan# 2492
 Delta R.T. -0.01 min
 Lab File: BM014763.D
 Acq: 20 Apr 2018 14:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.4	10.0	15.0





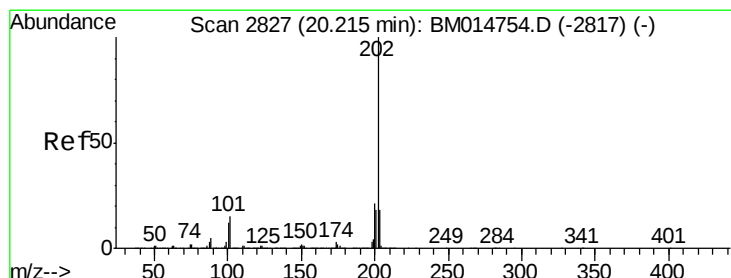
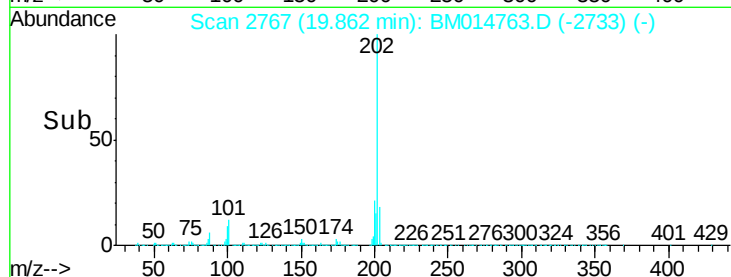
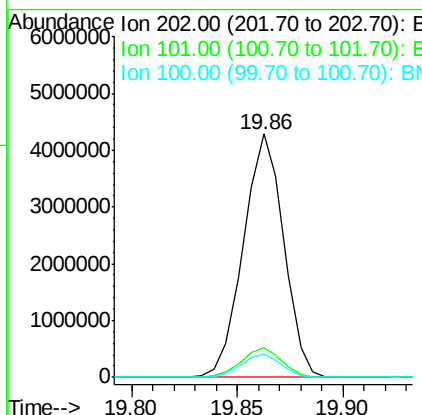
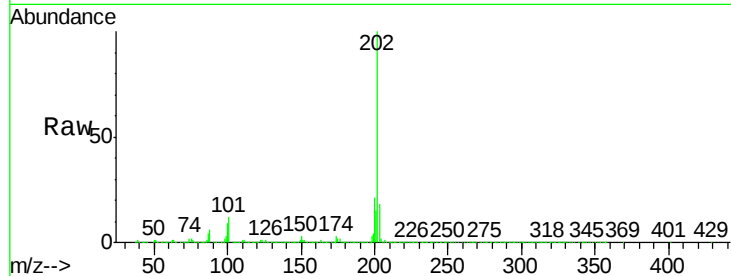
#74
Fluoranthene
Concen: 54.526 ng/ul
RT: 19.86 min Scan# 2767
Delta R.T. 0.00 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Instrument :
BNA_M
ClientSampled :
C0AD5

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	4.6	7.0#
100	9.5	3.4	5.2#

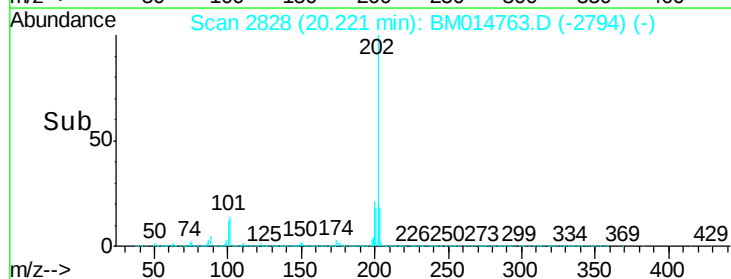
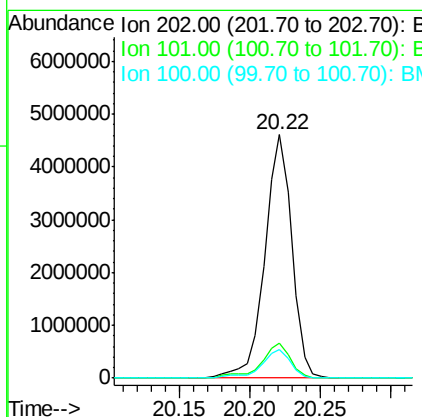
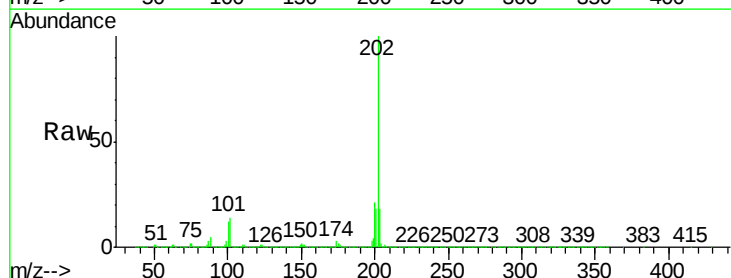
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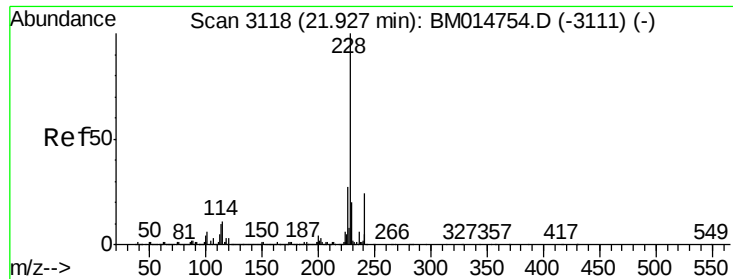
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#77
Pyrene
Concen: 60.487 ng/ul
RT: 20.22 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	5.1	7.7#
100	11.7	4.9	7.3#





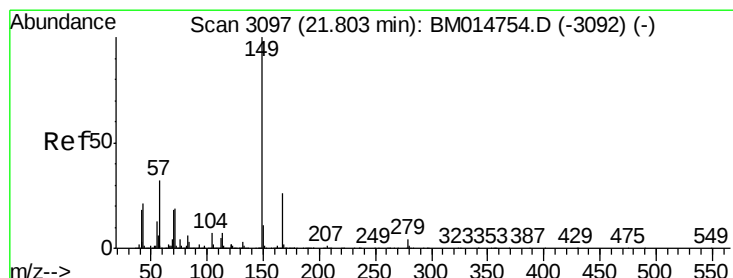
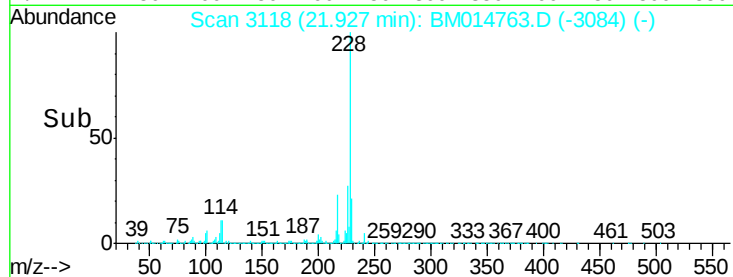
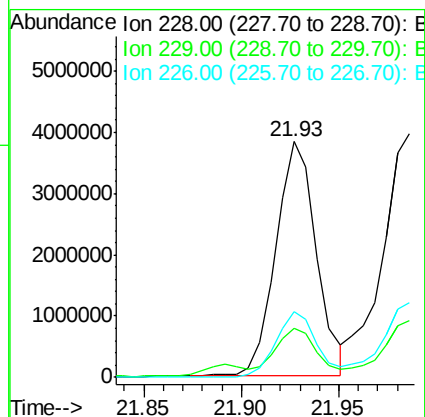
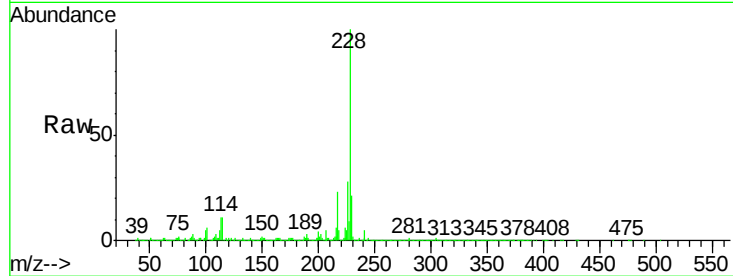
#80
Benzo(a)anthracene
Concen: 53.521 ng/ul
RT: 21.93 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Instrument :
BNA_M
ClientSampled :
C0AD5

Tot Ion:228 Resp: 5500407
Ion Ratio Lower Upper
228 100
229 21.0 15.4 23.0
226 27.6 21.4 32.0

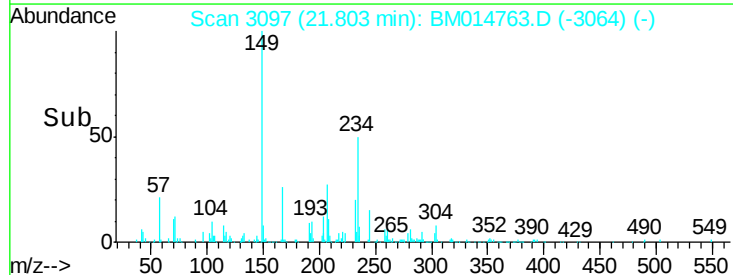
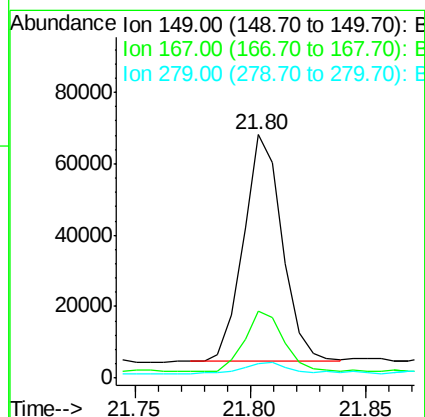
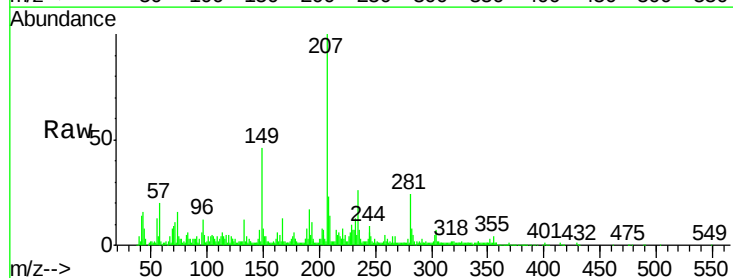
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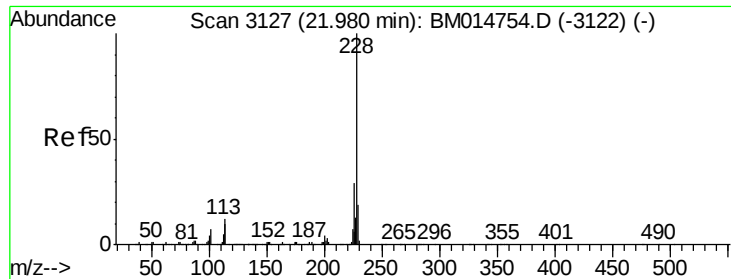
Sohil
4/23/2018 3:40:28 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.205 ng/ul
RT: 21.80 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Tgt Ion:149 Resp: 74103
Ion Ratio Lower Upper
149 100
167 27.4 22.8 34.2
279 5.8 4.9 7.3





#82

Chrysene

Concen: 62.860 ng/u1

RT: 21.99 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

Instrument :

BNA_M

ClientSampled :

C0AD5

Tot Ion:228 Resp: 6047703

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

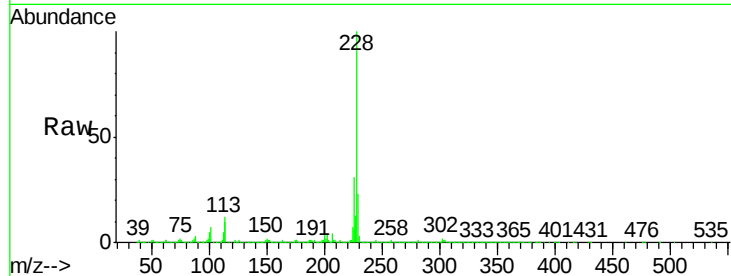
229 23.0 15.5 23.3

Manual Integrations

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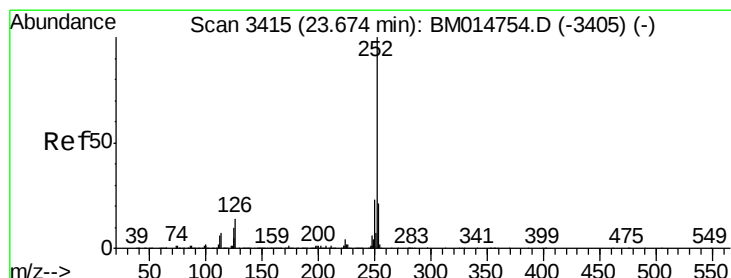
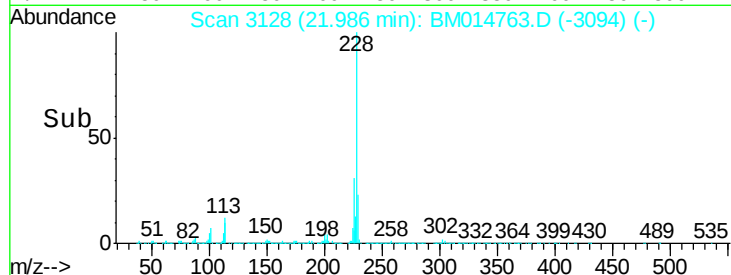
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.99

Time-->



#85

Benzo(b)fluoranthene

Concen: 109.048 ng/u1

RT: 23.69 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

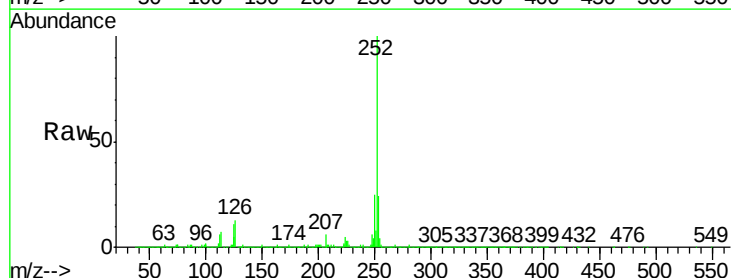
Tgt Ion:252 Resp:12074209

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 11.4 3.6 5.4#



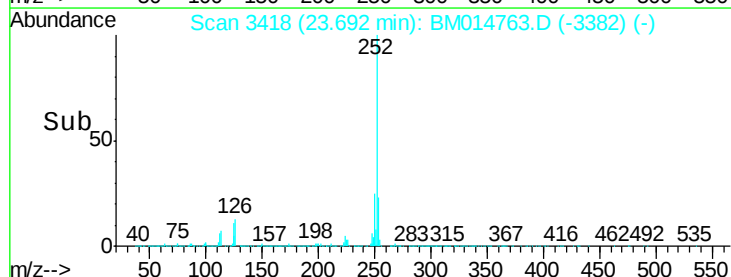
Abundance Ion 252.00 (251.70 to 252.70): E

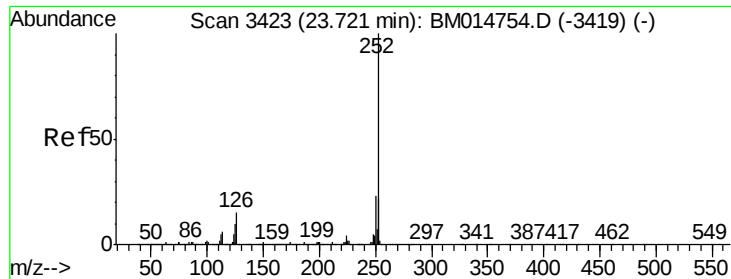
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.69

Time-->





#86

Benzo(k)fluoranthene

Concen: 33.976 ng/ul

RT: 23.73 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

Instrument :

BNA_M

ClientSampled :

C0AD5

Tot Ion:252 Resp: 3617469

Ion Ratio Lower Upper

252 100

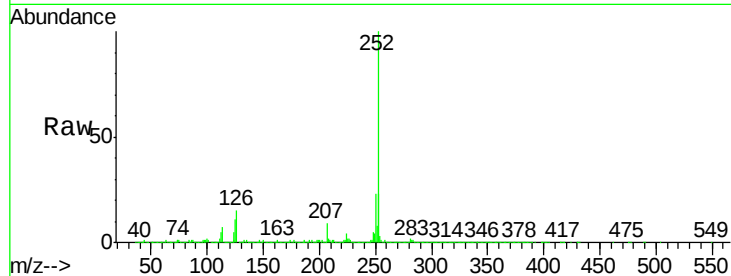
253 23.4 17.1 25.7

125 10.6 3.4 5.2#

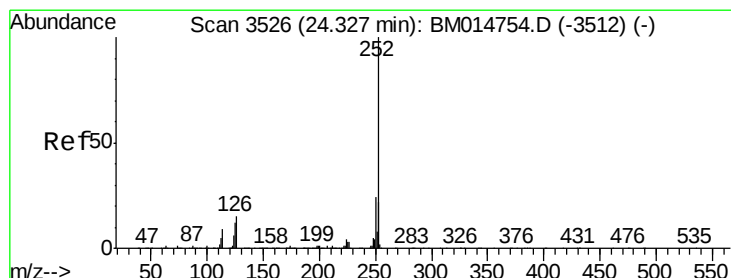
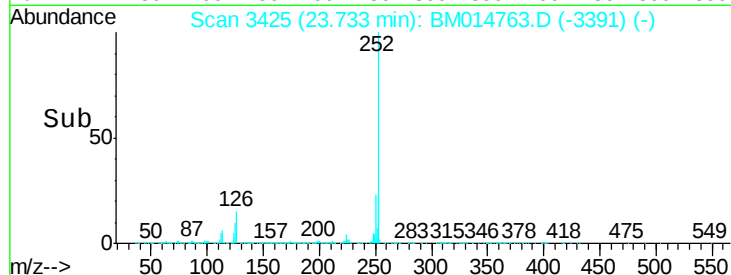
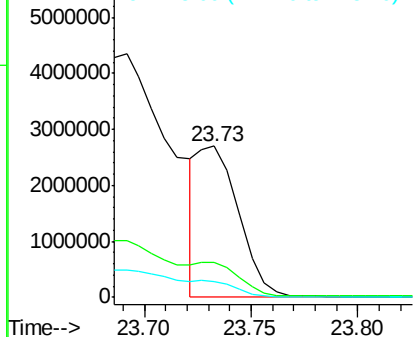
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 86.713 ng/ul

RT: 24.34 min Scan# 3529

Delta R.T. 0.01 min

Lab File: BM014763.D

Acq: 20 Apr 2018 14:29

Tgt Ion:252 Resp: 9107472

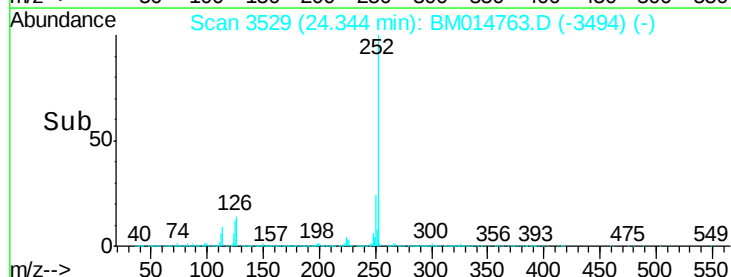
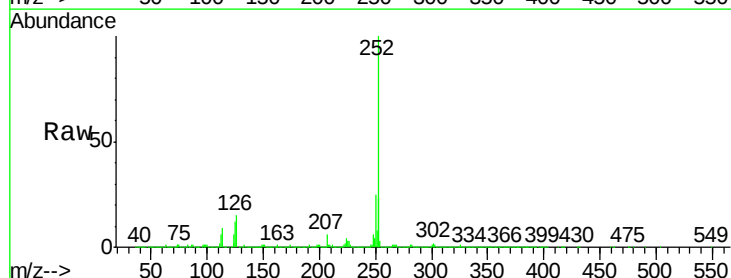
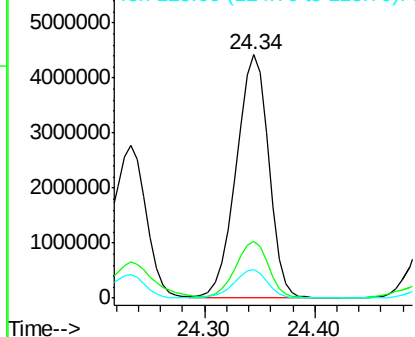
Ion Ratio Lower Upper

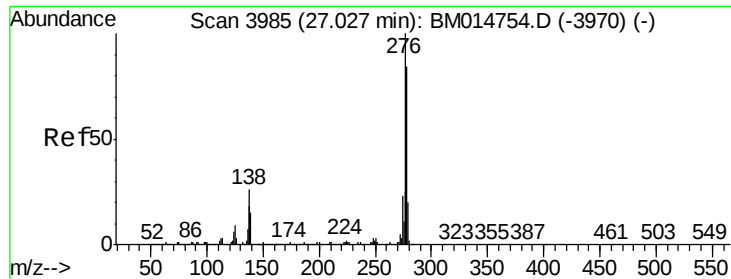
252 100

253 23.5 18.2 27.2

125 11.9 4.0 6.0#

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





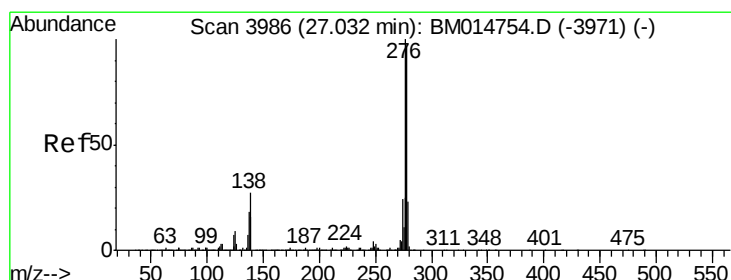
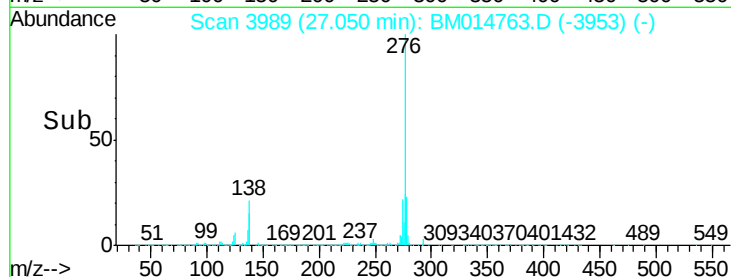
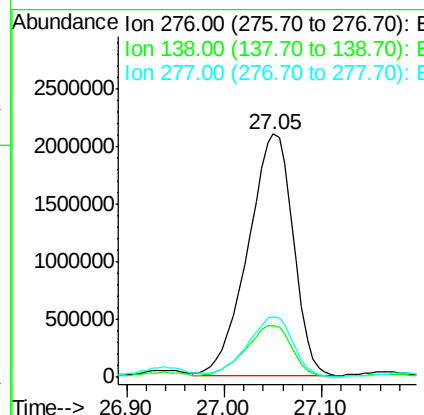
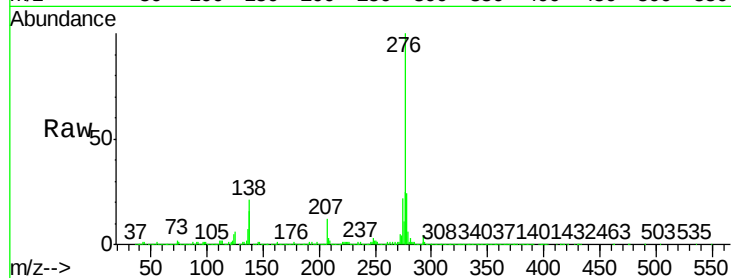
#89
Indeno(1,2,3-cd)pyrene
Concen: 53.233 ng/ul
RT: 27.05 min Scan# 3989
Delta R.T. 0.01 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Instrument :
BNA_M
ClientSampled :
C0AD5

Tot Ion:276 Resp: 6763864
Ion Ratio Lower Upper
276 100
138 21.5 9.3 13.9#
277 24.9 19.9 29.9

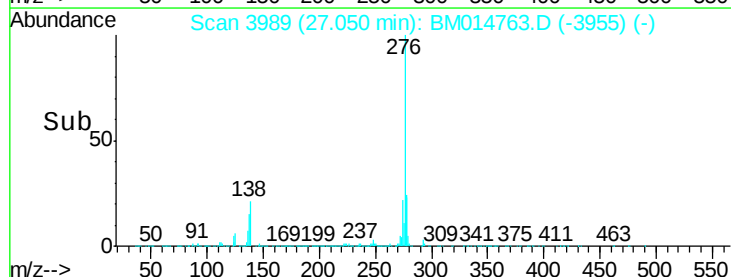
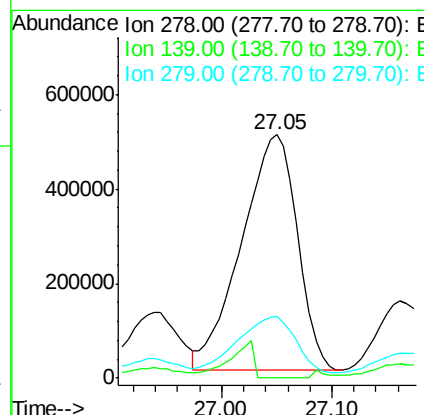
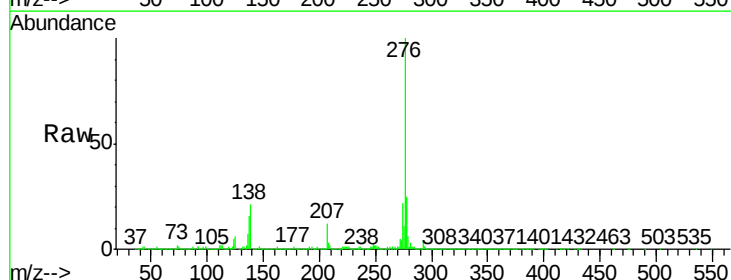
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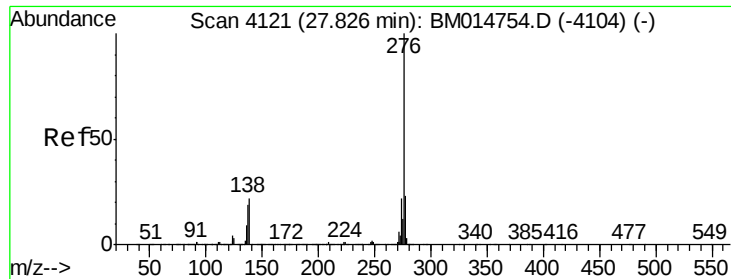
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#90
Dibenzo(a,h)anthracene
Concen: 16.528 ng/ul
RT: 27.05 min Scan# 3989
Delta R.T. 0.00 min
Lab File: BM014763.D
Acq: 20 Apr 2018 14:29

Tgt Ion:278 Resp: 1768172
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.2 18.6 27.8





#91
 Benzo(a,h,i)perylene
 Concen: 66.019 ng/ul
 RT: 27.86 min Scan# 4127
 Delta R.T. 0.02 min
 Lab File: BM014763.D
 Acq: 20 Apr 2018 14:29

Instrument :
 BNA_M
 ClientSampleId :
 C0AD5

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	8.5	12.7#
277	24.5	18.6	28.0

Manual Integrations
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Sohil
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