

Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF8DL

Manual Integrations
APPROVED

mohammad
8/28/2019 9:59:54 AM

Quant Time: Aug 29 04:50:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 10:56:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	25713	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	116596	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.20	164	87787	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	216021	20.00	ng/ul	-0.01
77) Chrysene-d12	21.18	240	200480	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	181799	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	6.92	67	1218	0.94	ng/ul	0.01
9) 2-Chlorophenol-d4	7.09	132	1545	0.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	1092	0.57	ng/ul	0.01
19) Nitrobenzene-d5	8.73	128	804	0.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	913	0.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	2666	1.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1348m	0.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	11612	1.50	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	12280	1.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.42	143	1046	0.91	ng/ul	-0.05
57) Fluorene-d10	15.20	176	11730	1.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	841	0.50	ng/ul	0.01
70) Anthracene-d10	17.07	188	19044	1.66	ng/ul	0.00
78) Pyrene-d10	19.37	212	22024	2.11	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	16395	1.64	ng/ul	0.00

Target Compounds

						Qvalue
11) 2-Methylphenol	8.01	108	7840	4.190	ng/ul	98
16) 4-Methylphenol	8.35	108	2357	1.146	ng/ul	92
24) 2,4-Dimethylphenol	9.52	107	38423m	14.742	ng/ul	
28) Naphthalene	10.37	128	1330337	206.751	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	56479	11.392	ng/ul	99
40) 1,1'-Biphenyl	13.03	154	35548	4.976	ng/ul	95
49) Acenaphthene	14.27	153	220252	35.928	ng/ul	99
53) Dibenzofuran	14.61	168	164261	17.990	ng/ul	99
58) Fluorene	15.26	166	115329	14.996	ng/ul	99
69) Phenanthrene	17.01	178	183417	14.193	ng/ul	99
74) Carbazole	17.39	167	169110	13.922	ng/ul	99
76) Fluoranthene	19.04	202	24605	1.263	ng/ul#	96
79) Pyrene	19.40	202	15274	1.177	ng/ul	97

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

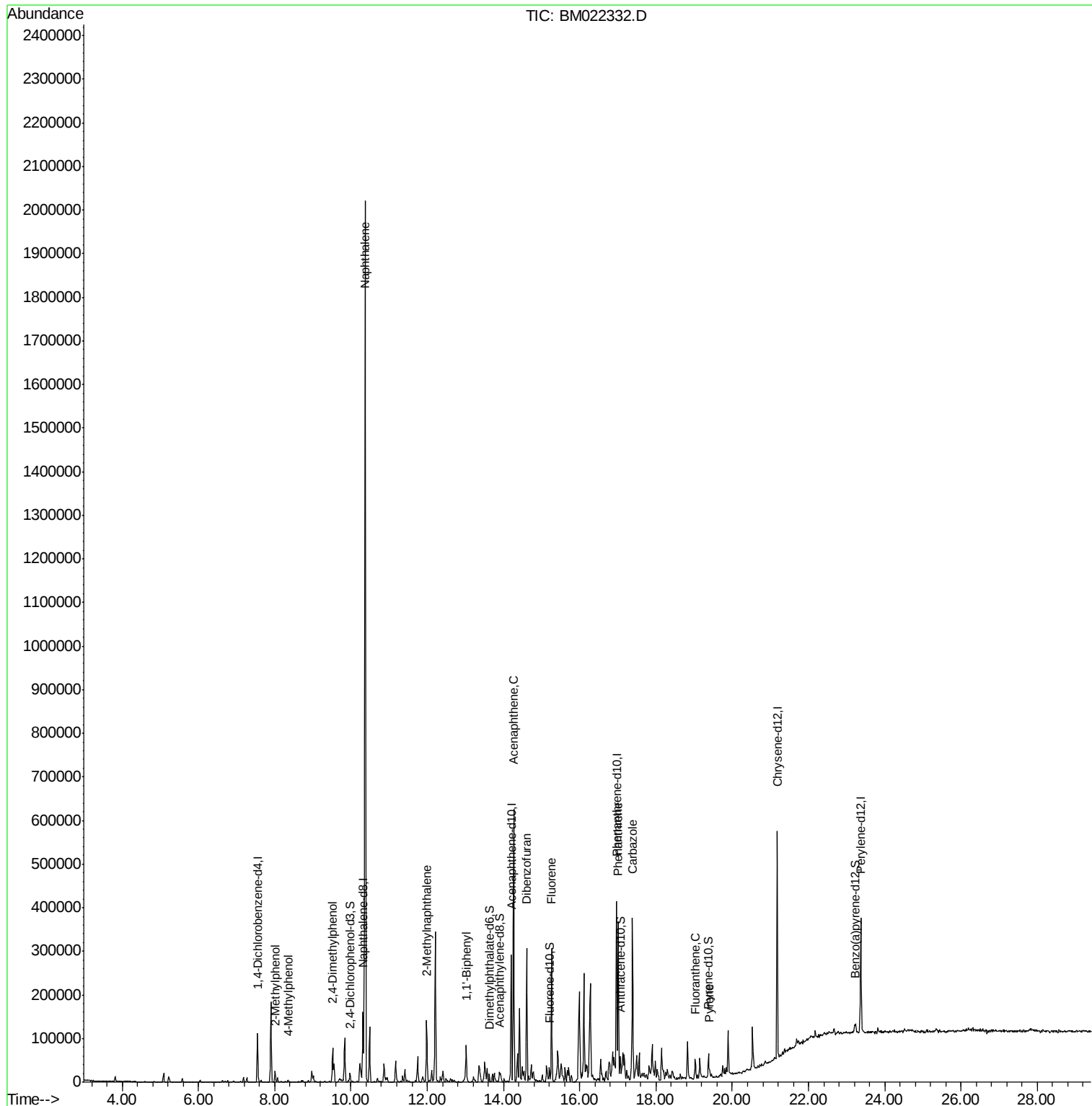
Data File : BM022332.D
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ALS Vial : 10 Sample Multiplier: 1

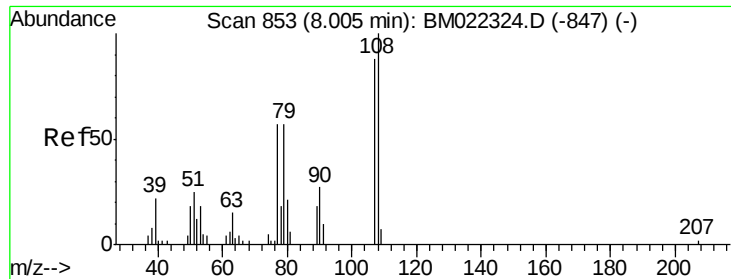
Instrument :
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ClientSampleId :
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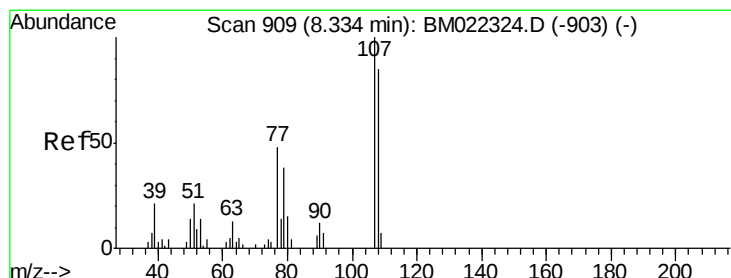
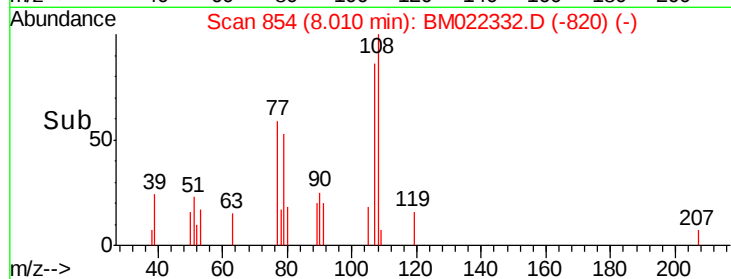
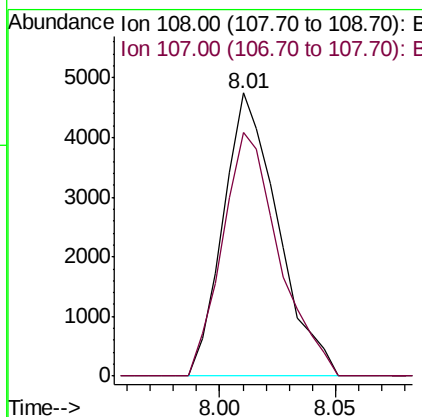
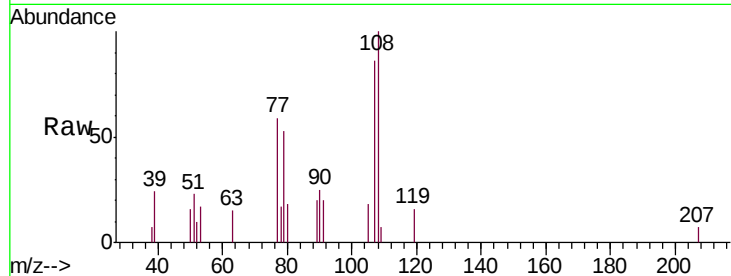
#11
2-Methylphenol
Concen: 4.190 ng/ul
RT: 8.01 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM022332.D
Acq: 26 Aug 2019 15:55

Instrument :
BNA_M
ClientSampled :
C0AF8DL

Tgt Ion:108 Resp: 7840
Ion Ratio Lower Upper
108 100
107 86.0 70.1 105.1

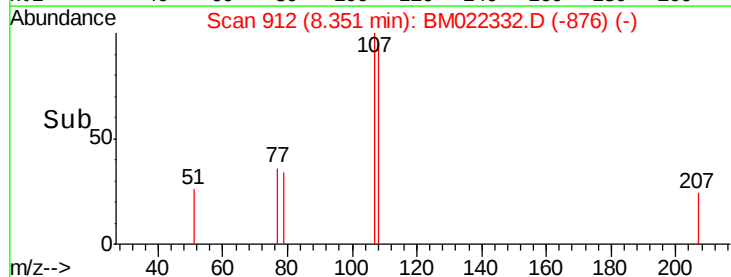
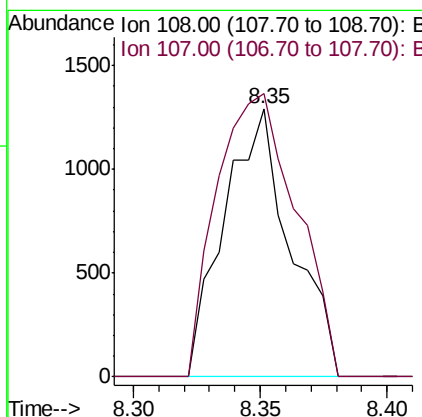
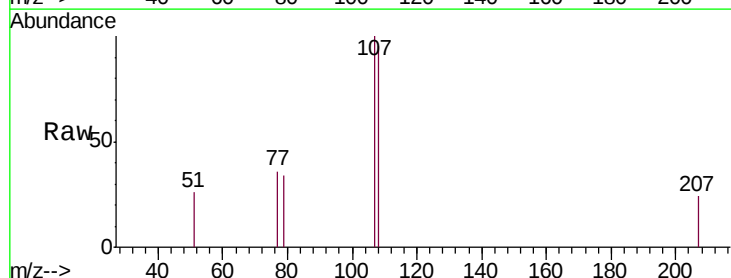
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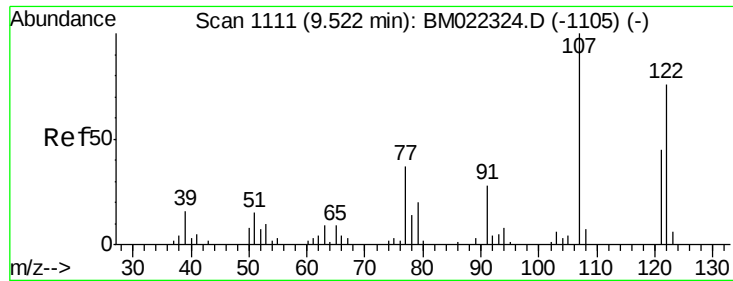
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#16
4-Methylphenol
Concen: 1.146 ng/ul
RT: 8.35 min Scan# 912
Delta R.T. 0.01 min
Lab File: BM022332.D
Acq: 26 Aug 2019 15:55

Tgt Ion:108 Resp: 2357
Ion Ratio Lower Upper
108 100
107 105.4 90.8 136.2





#24

2,4-Dimethylphenol

Concen: 14.742 ng/ul m

RT: 9.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

Instrument :

BNA_M

ClientSampleId :

C0AF8DL

Tgt Ion:107 Resp: 38423

Ion Ratio Lower Upper

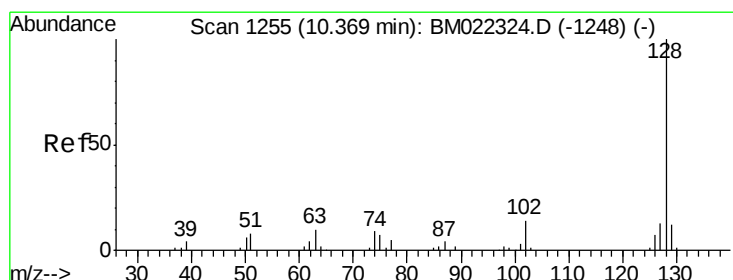
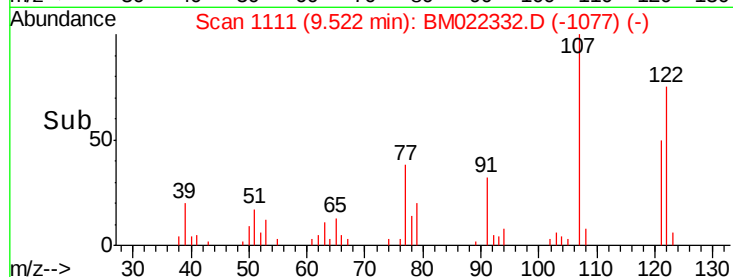
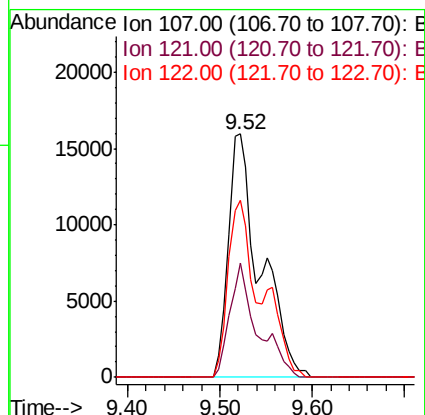
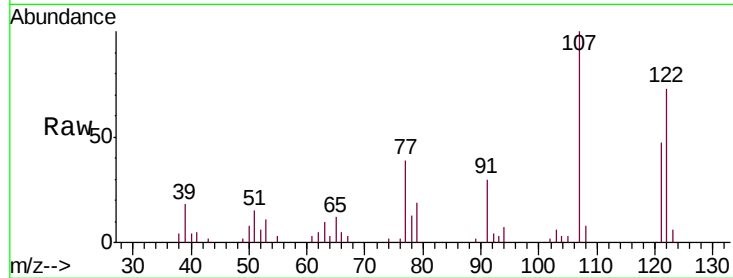
107 100

121 46.9 33.6 50.4

122 72.9 58.0 87.0

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#28

Naphthalene

Concen: 206.751 ng/ul

RT: 10.37 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

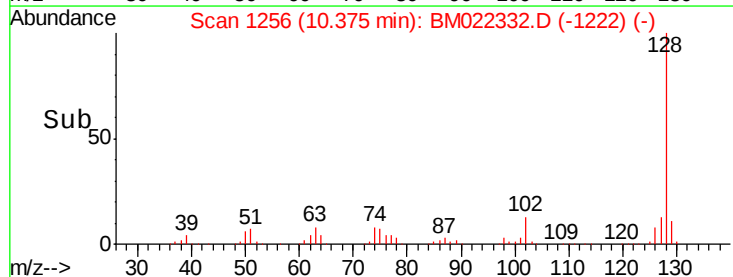
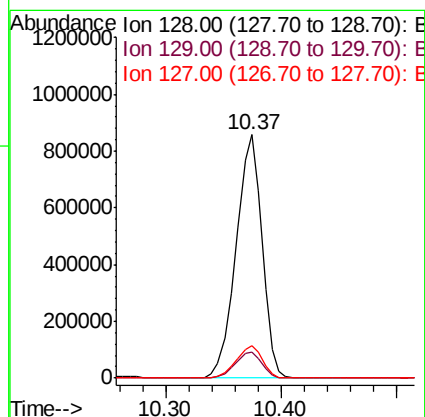
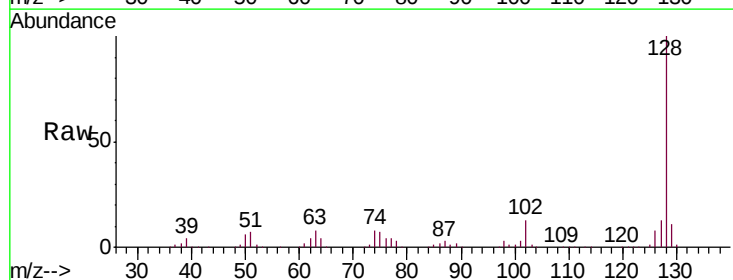
Tgt Ion:128 Resp: 1330337

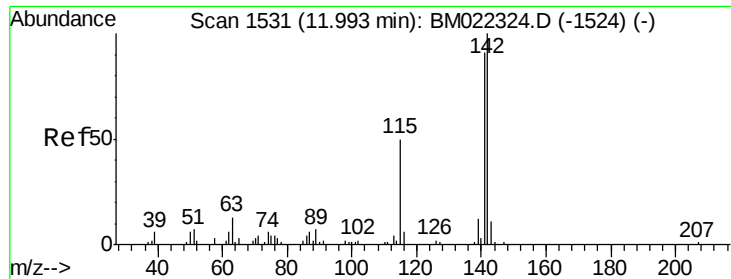
Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.4 10.4 15.6





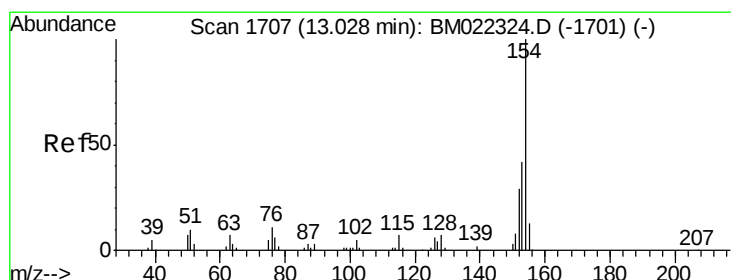
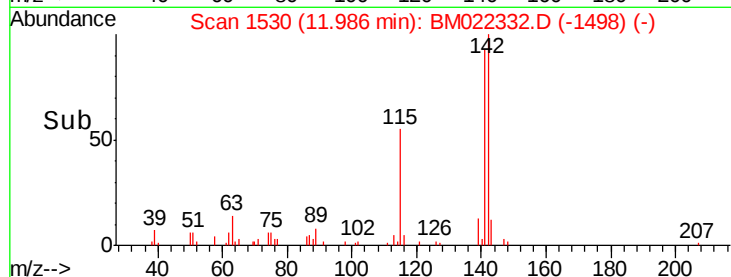
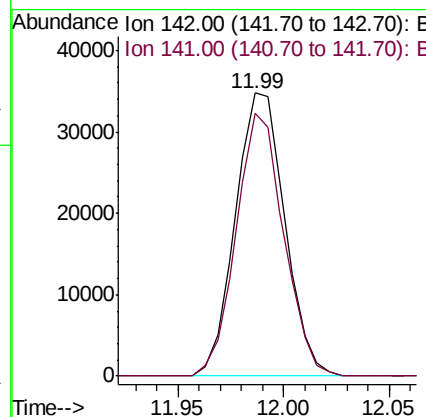
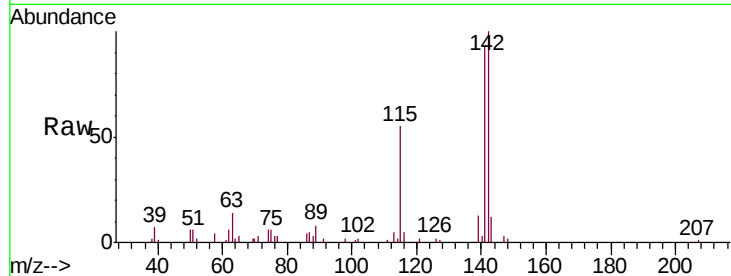
#34
 2-Methylnaphthalene
 Concen: 11.392 ng/ul
 RT: 11.99 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BM022332.D
 Acq: 26 Aug 2019 15:55

Instrument :
 BNA_M
 ClientSampleId :
 C0AF8DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	75.1	112.7

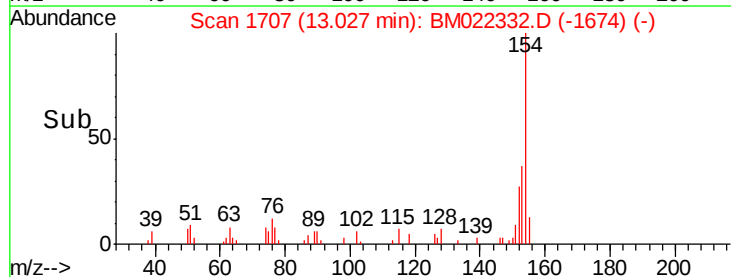
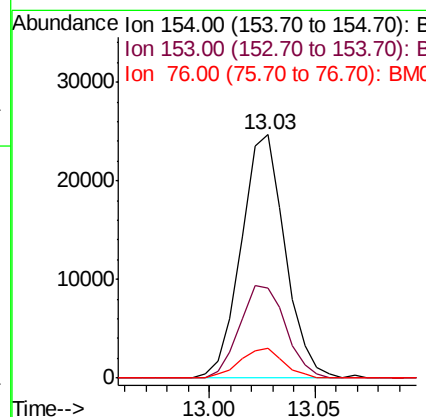
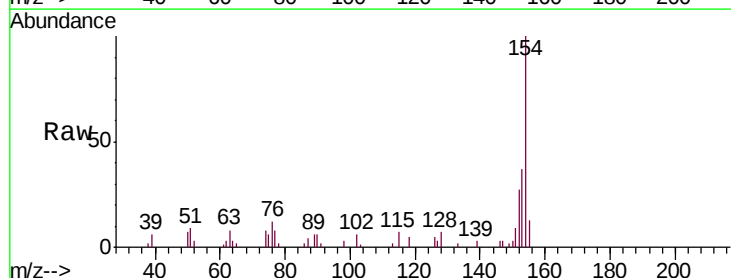
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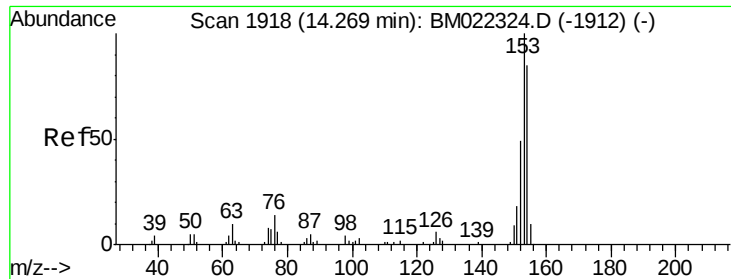
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#40
 1,1'-Biphenyl
 Concen: 4.976 ng/ul
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BM022332.D
 Acq: 26 Aug 2019 15:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.1	32.5	48.7
76	12.5	9.2	13.8





#49

Acenaphthene

Concen: 35.928 ng/ul

RT: 14.27 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

Instrument :

BNA_M

ClientSampleId :

C0AF8DL

Tgt Ion:153 Resp: 220252
Ion Ratio Lower Upper

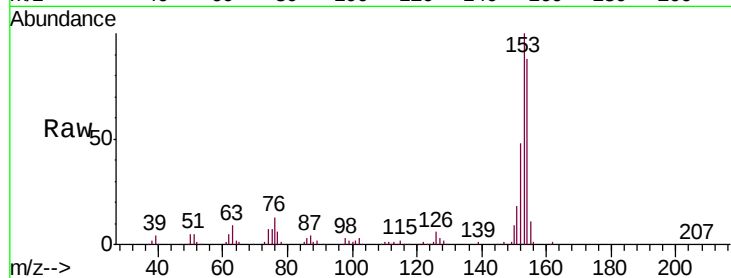
153 100

152 48.5 38.6 58.0

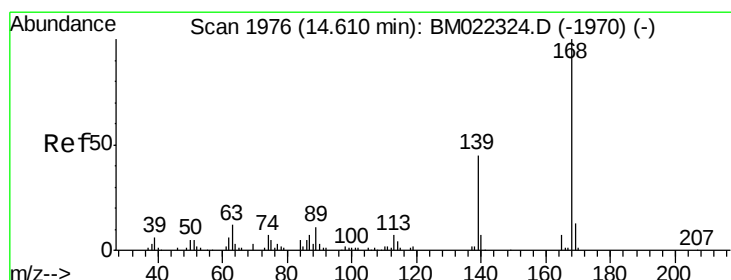
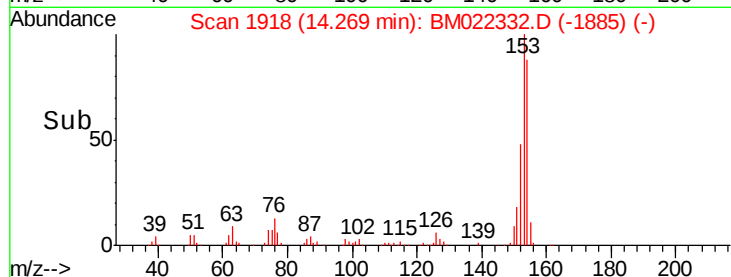
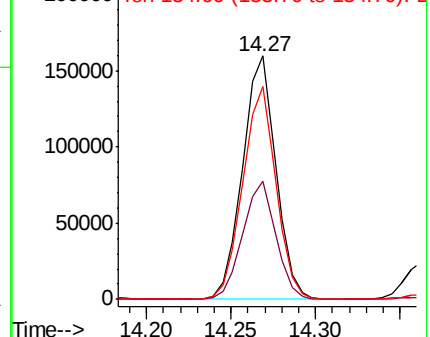
154 87.5 68.9 103.3

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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



#53

Dibenzofuran

Concen: 17.990 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. -0.01 min

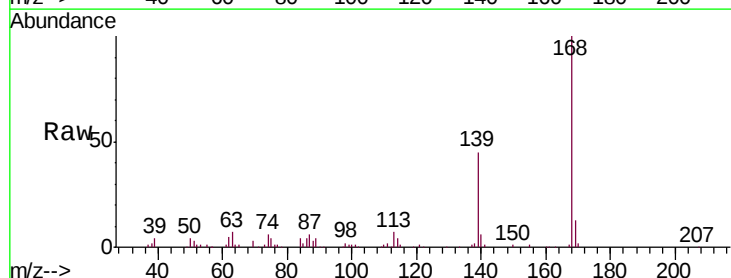
Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

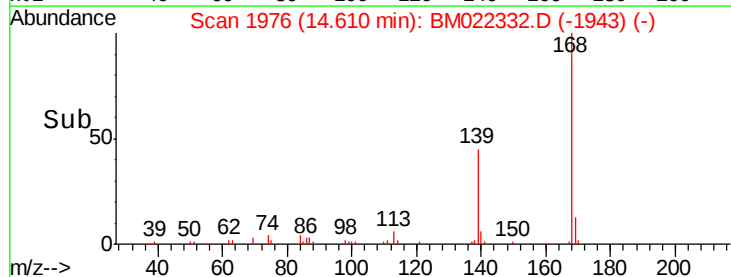
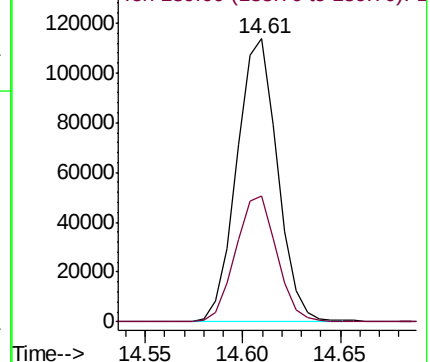
Tgt Ion:168 Resp: 164261
Ion Ratio Lower Upper

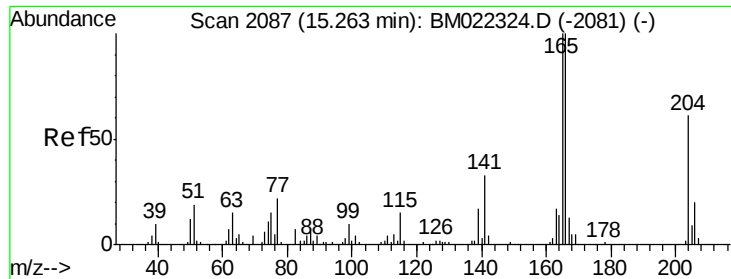
168 100

139 44.5 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.996 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

Instrument :

BNA_M

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C0AF8DL

Tgt Ion:166 Resp: 115329

Ion Ratio Lower Upper

166 100

165 99.2 80.2 120.2

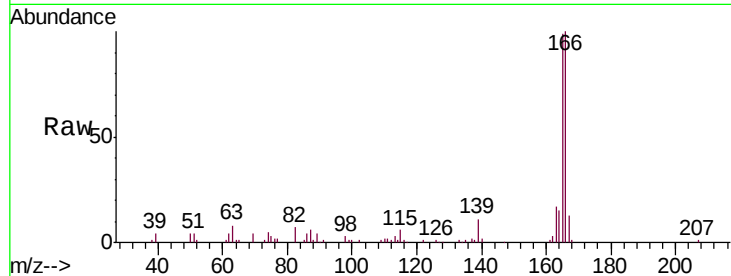
167 12.9 11.4 17.0

Manual Integrations

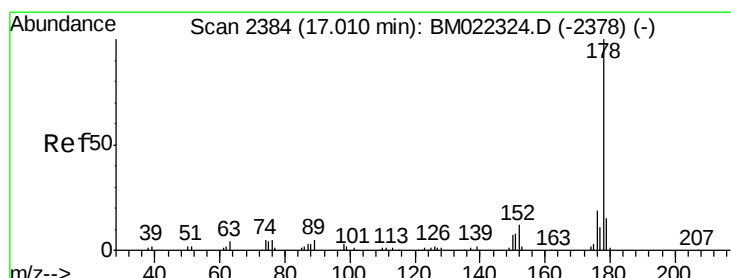
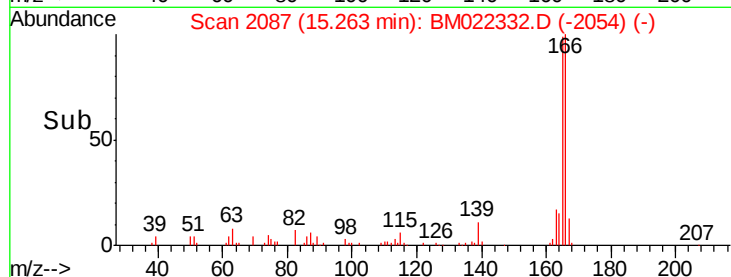
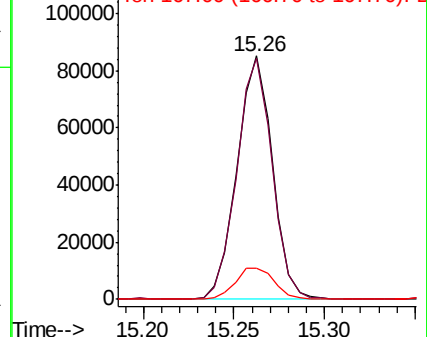
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 14.193 ng/ul

RT: 17.01 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

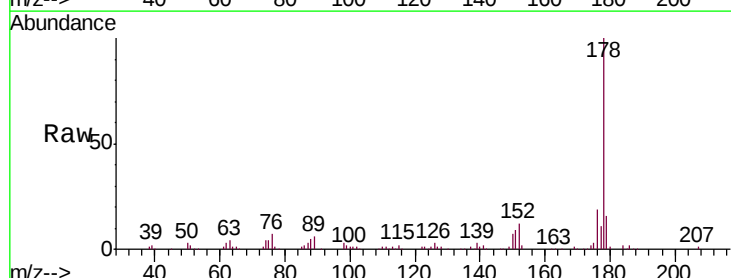
Tgt Ion:178 Resp: 183417

Ion Ratio Lower Upper

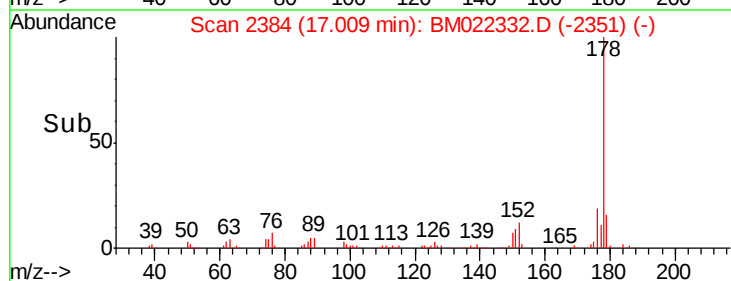
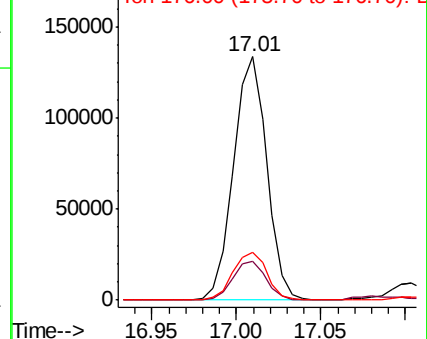
178 100

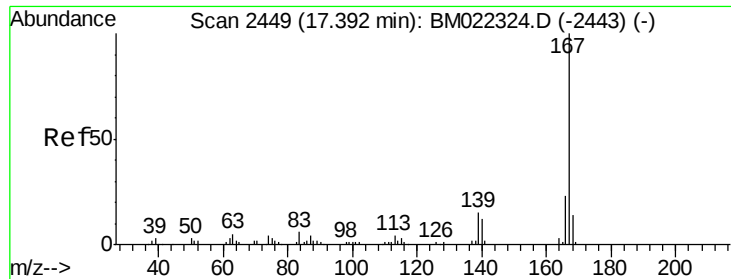
179 15.9 12.4 18.6

176 19.5 15.4 23.0



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





#74

Carbazole

Concen: 13.922 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM022332.D

Acq: 26 Aug 2019 15:55

Instrument :

BNA_M

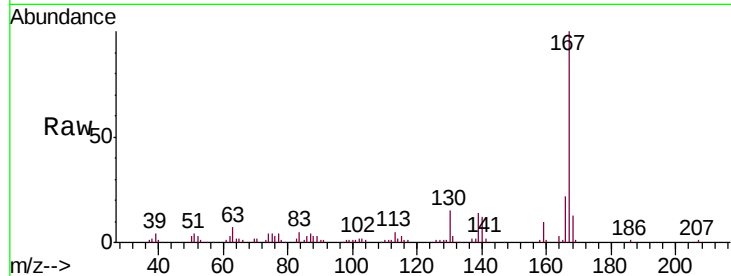
ClientSampleId :

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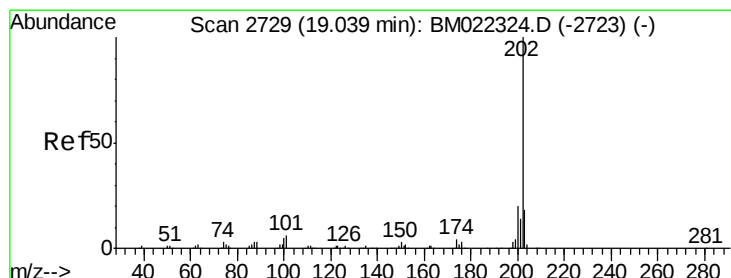
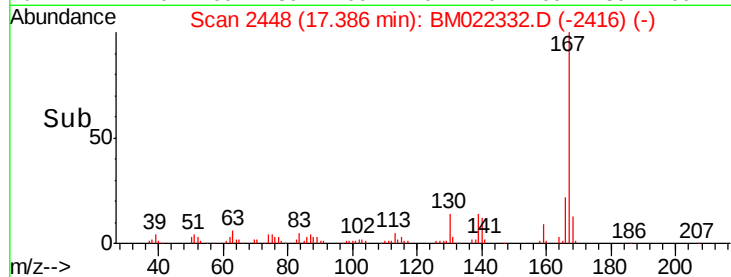
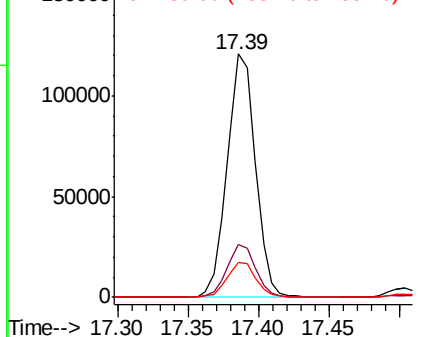
Tgt Ion:	167	Resp:	169110
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.8
139	14.4	11.8	17.8

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 1.263 ng/ul

RT: 19.04 min Scan# 2729

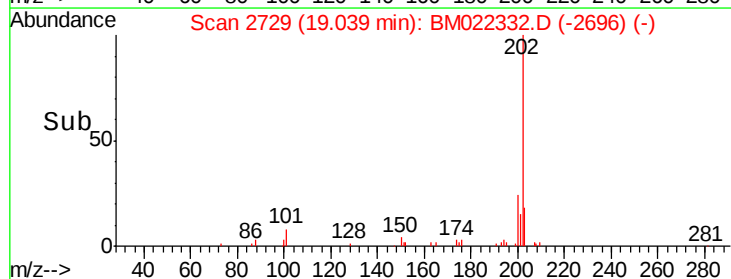
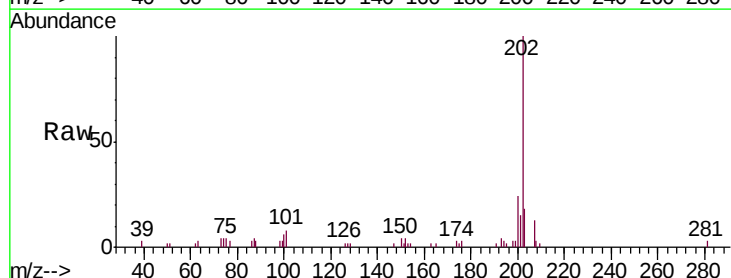
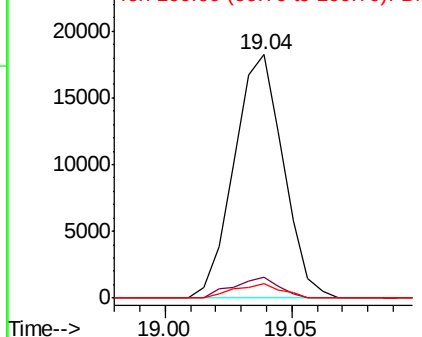
Delta R.T. -0.01 min

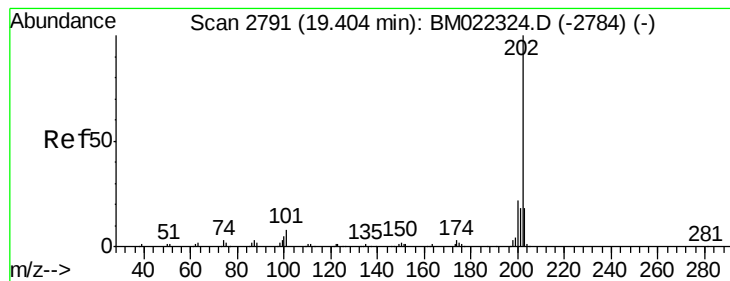
Lab File: BM022332.D

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Tgt Ion:	202	Resp:	24605
Ion Ratio	Lower	Upper	
202	100		
101	8.5	5.3	7.9#
100	6.2	4.6	6.8

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): E





#79

Pyrene

Concen: 1.177 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM022332.D

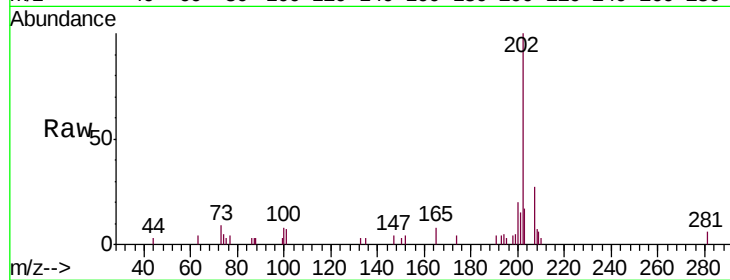
Acq: 26 Aug 2019 15:55

Instrument :

BNA_M

ClientSampleId :

C0AF8DL



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		15274		
101	7.2	7.0	10.4		
100	7.8	5.8	8.8		

Manual Integrations
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