

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\
 Data File : BM022592.D
 Acq On : 09 Sep 2019 07:33
 Operator : HP/JU
 Sample : K4706-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF568

Manual Integrations
 APPROVED

mohammad
 9/10/2019 2:08:50 PM

Quant Time: Sep 09 16:44:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 09 07:45:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	498736	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	2004863	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.49	164	1403656	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.23	188	2802855	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	2842148	20.00	ng/ul	0.00
86) Perylene-d12	23.69	264	3048324	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	54065	4.52	ng/uL	0.00
5) Phenol-d5	7.01	99	338417	7.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	738002	27.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	839179	23.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	594908	15.91	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	463440	32.04	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	501177	37.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	1004619	29.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	346057	7.74	ng/ul	0.05
44) Dimethylphthalate-d6	13.90	166	3445598	30.29	ng/ul	0.00
47) Acenaphthylene-d8	14.18	160	3979432	29.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.67	143	191377	9.85	ng/ul	0.00
58) Fluorene-d10	15.48	176	2955602	31.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.59	200	508240	39.89	ng/ul	0.00
71) Anthracene-d10	17.32	188	4596929	32.02	ng/ul	0.00
79) Pyrene-d10	19.61	212	5172813	32.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.54	264	5452393	33.28	ng/ul	0.00
Target Compounds						
6) Phenol	7.04	94	134452	2.797	ng/ul	100
14) Acetophenone	8.67	105	145484	2.493	ng/ul#	55
16) 4-Methylphenol	8.61	108	174467	4.307	ng/ul	91
28) Naphthalene	10.70	128	56635535m	509.518	ng/ul	
34) 2-Methylnaphthalene	12.33	142	23913392m	285.555	ng/ul	
41) 1,1'-Biphenyl	13.33	154	5670765	48.516	ng/ul	99
45) Dimethylphthalate	13.95	163	278013	2.408	ng/ul	100
48) Acenaphthylene	14.21	152	682647	4.832	ng/ul#	95
50) Acenaphthene	14.56	153	9039242	92.344	ng/ul	98
54) Dibenzofuran	14.89	168	10390497	76.484	ng/ul	95
59) Fluorene	15.54	166	6250377	55.924	ng/ul	99
69) Pentachlorophenol	16.87	266	134632	6.323	ng/ul	98
70) Phenanthrene	17.27	178	8934258	52.059	ng/ul	96
72) Anthracene	17.36	178	640964	3.636	ng/ul	99
75) Carbazole	17.62	167	3539455	22.339	ng/ul	100
77) Fluoranthene	19.27	202	2501828	12.846	ng/ul	98
80) Pyrene	19.64	202	1520523	7.392	ng/ul	100
83) Benzo(a)anthracene	21.38	228	323573	1.535	ng/ul	98
85) Chrysene	21.43	228	313866m	1.618	ng/ul	
88) Benzo(b)fluoranthene	22.99	252	278467	1.389	ng/ul#	96

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

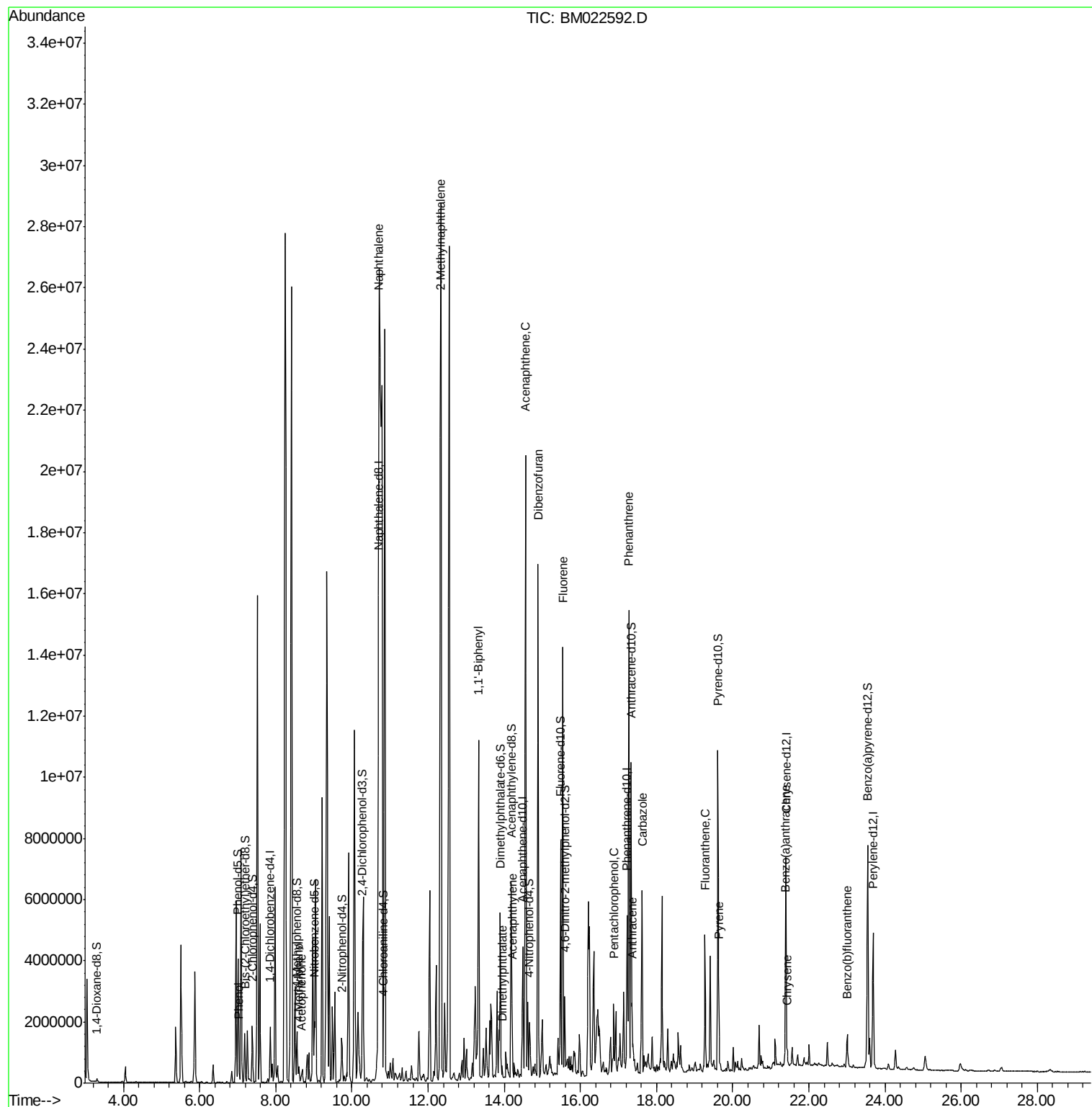
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\
Data File : BM022592.D
Acq On : 09 Sep 2019 07:33
Operator : HP/JU
Sample : K4706-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

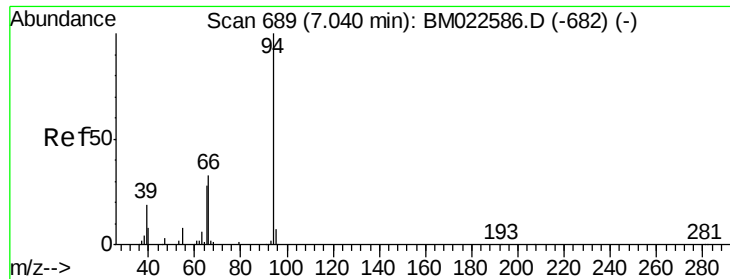
Instrument :
BNA_M
ClientSampleId :
BF568

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Quant Time: Sep 09 16:44:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 09 07:45:00 2019
Response via : Initial Calibration





#6

Phenol

Concen: 2.797 ng/ul

RT: 7.04 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Instrument :

BNA_M

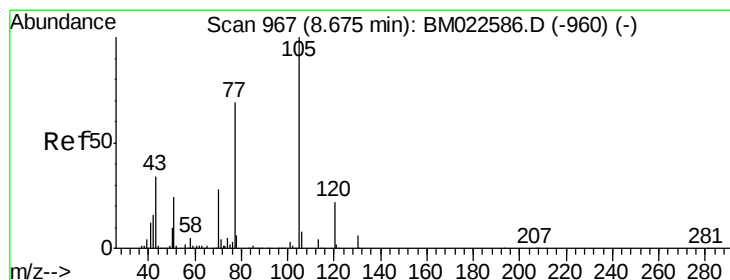
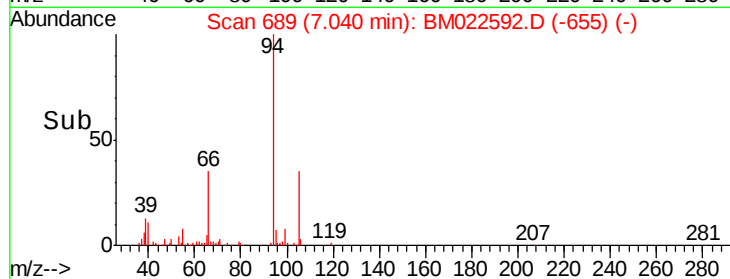
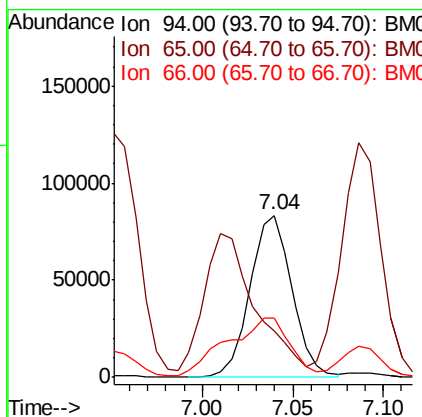
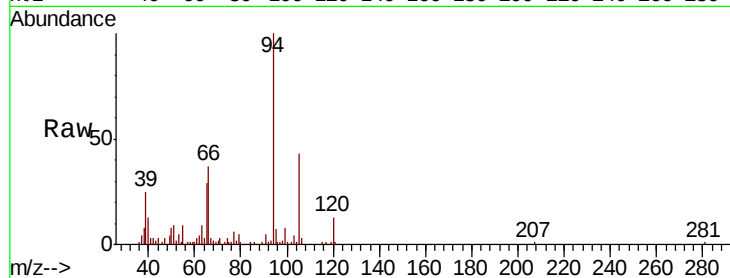
ClientSampleId :

BF568

Tot Ion:	94	Resp:	134452
Ion	Ratio	Lower	Upper
94	100		
65	28.5	22.8	34.2
66	36.5	29.1	43.7

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#14

Acetophenone

Concen: 2.493 ng/ul

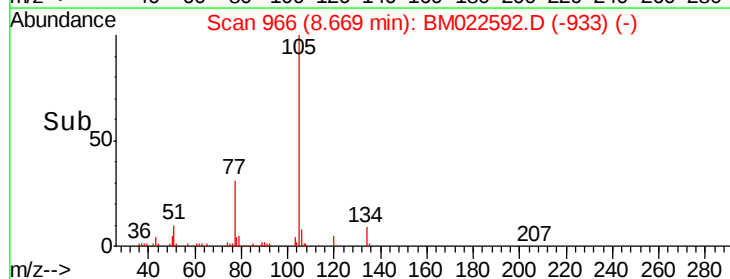
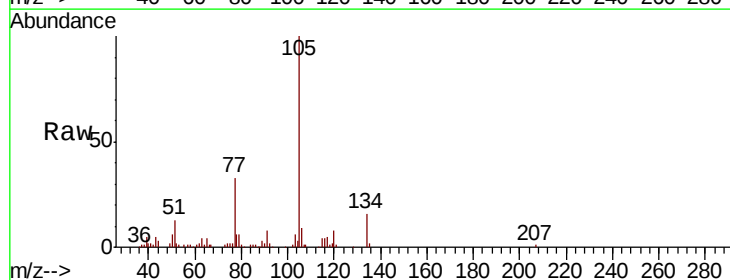
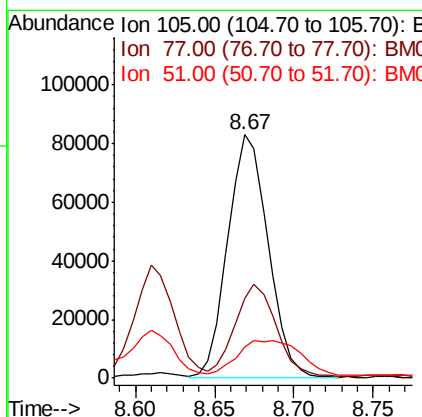
RT: 8.67 min Scan# 966

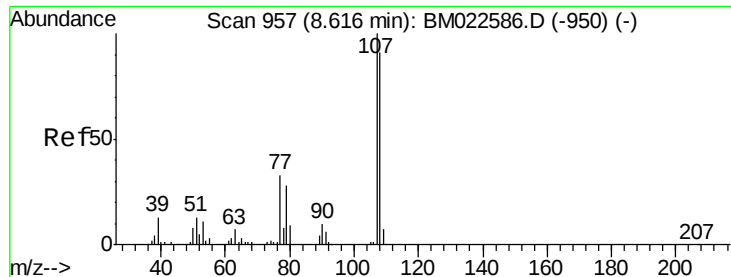
Delta R.T. -0.01 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Tgt Ion:	105	Resp:	145484
Ion	Ratio	Lower	Upper
105	100		
77	32.9	62.1	93.1#
51	12.9	21.8	32.6#





#16

4-Methylphenol

Concen: 4.307 ng/ul

RT: 8.61 min Scan# 956

Delta R.T. -0.01 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Instrument :

BNA_M

ClientSampled :

BF568

Tot Ion:108 Resp: 174467

Ion Ratio Lower Upper

108 100

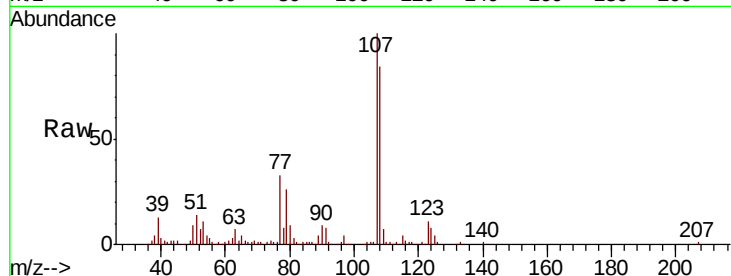
107 118.7 87.2 130.8

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

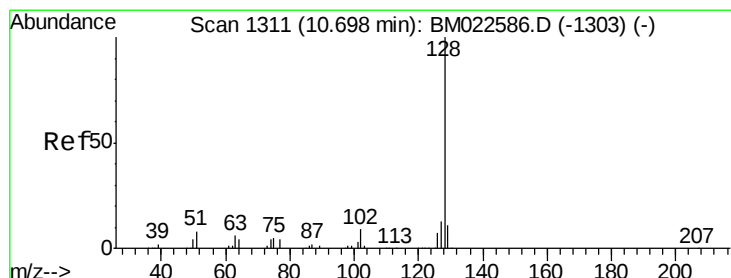
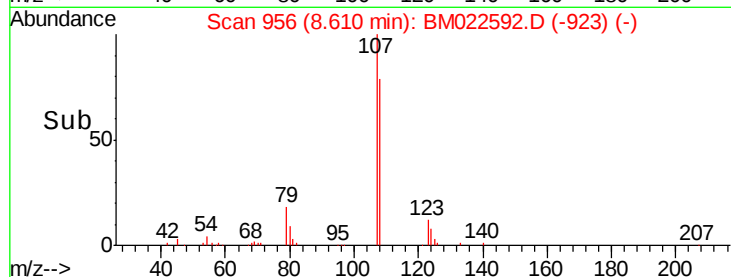
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#28

Naphthalene

Concen: 509.518 ng/ul m

RT: 10.70 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

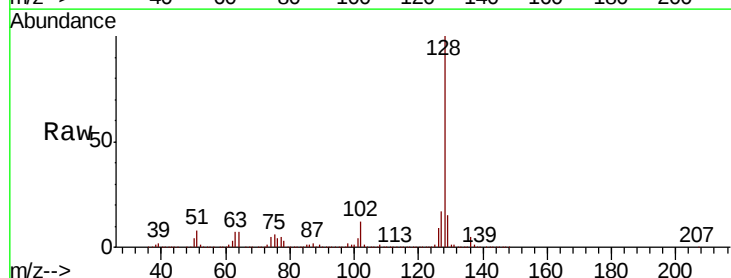
Tgt Ion:128 Resp:56635535

Ion Ratio Lower Upper

128 100

129 14.8 8.9 13.3#

127 16.9 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

1e+07

8000000

6000000

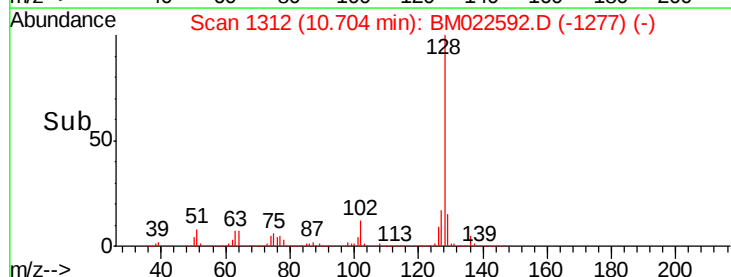
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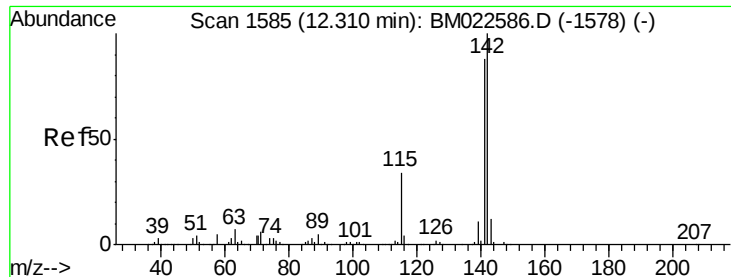
2000000

0

10.60 10.70 10.80

Time-->





#34

2-Methylnaphthalene

Concen: 285.555 ng/ul m

RT: 12.33 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Instrument :

BNA_M

ClientSampleId :

BF568

Tot Ion:142 Resp:23913392

Ion Ratio Lower Upper

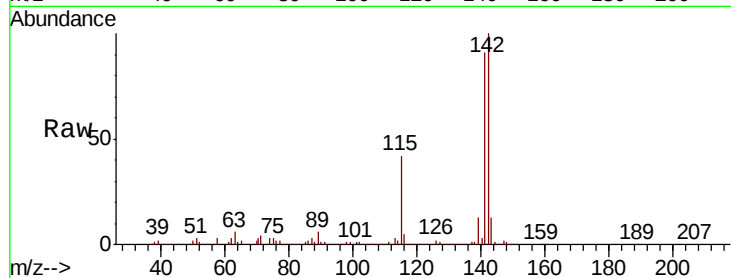
142 100

141 90.8 71.0 106.4

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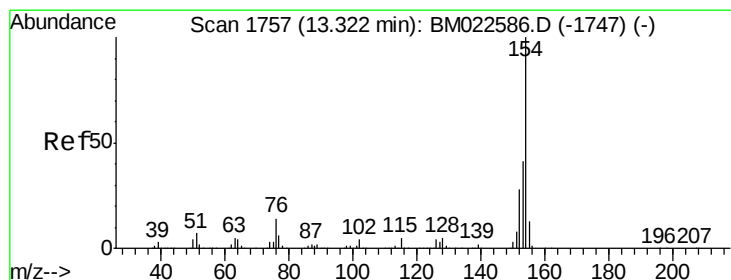
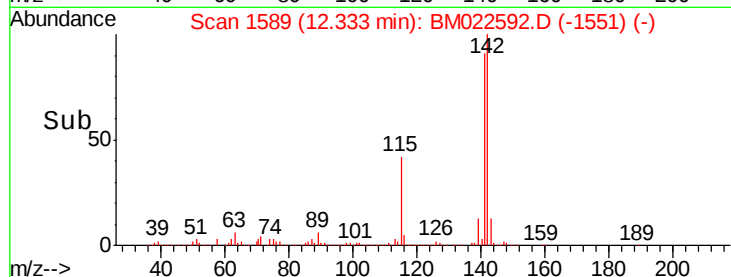
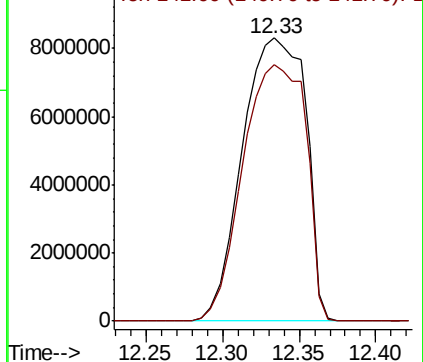
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#41

1,1'-Biphenyl

Concen: 48.516 ng/ul

RT: 13.33 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

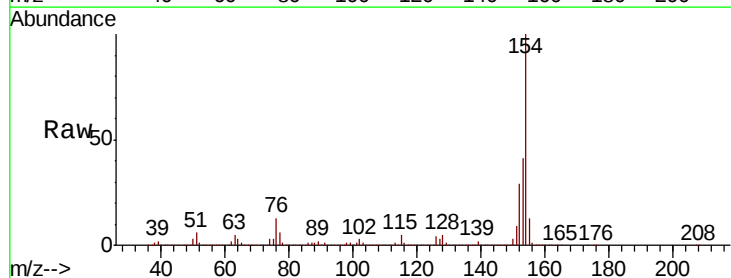
Tgt Ion:154 Resp: 5670765

Ion Ratio Lower Upper

154 100

153 41.2 32.1 48.1

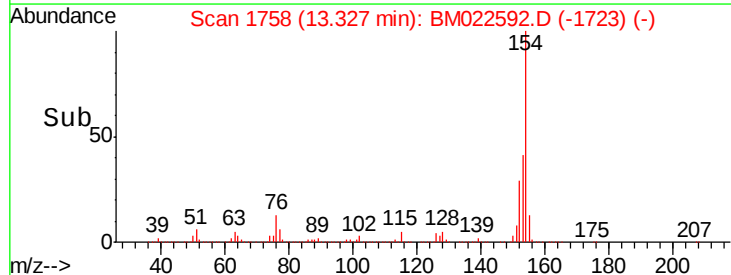
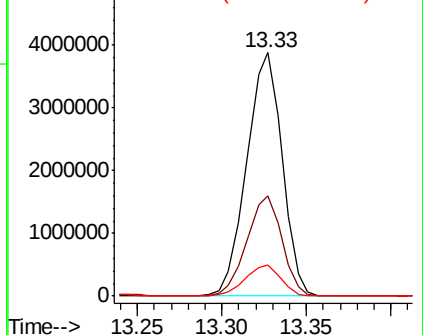
76 12.8 10.2 15.2

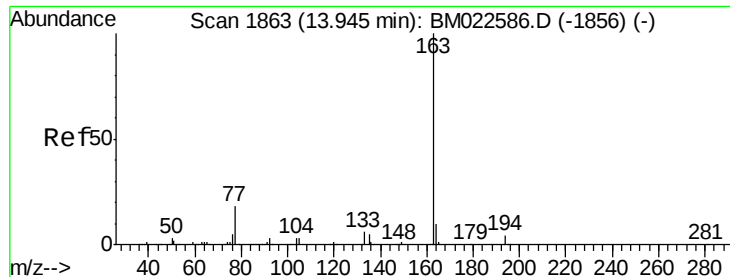


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM





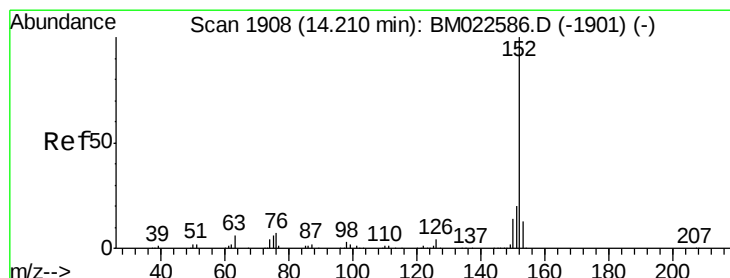
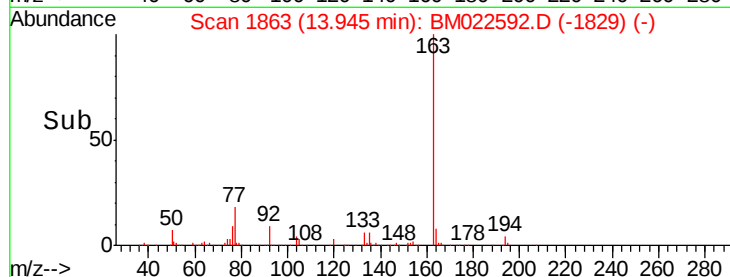
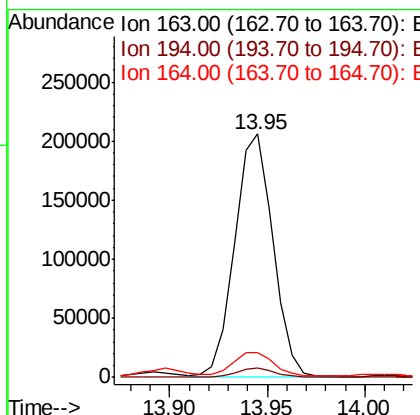
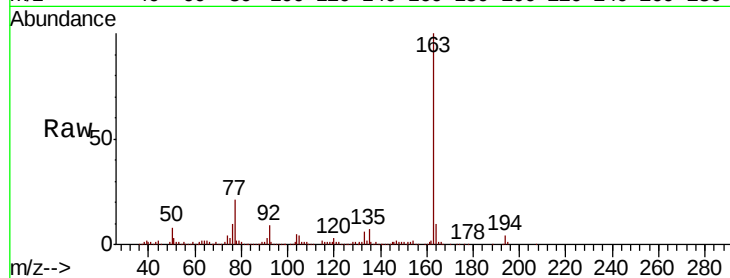
#45
Dimethylphthalate
Concen: 2.408 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Instrument :
BNA_M
ClientSampled :
BF568

Tot Ion	Ratio	Resp	Lower	Upper
163	100	278013		
194	3.9		3.2	4.8
164	10.0		7.8	11.8

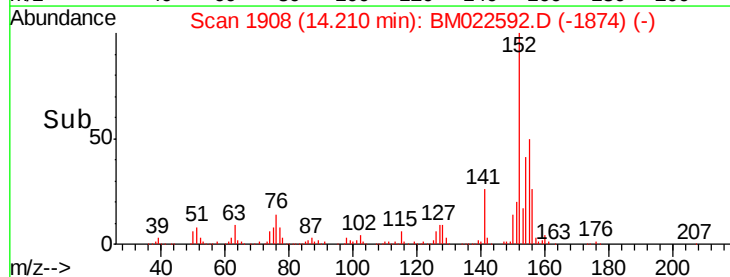
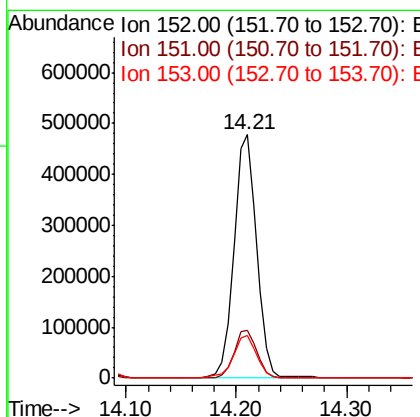
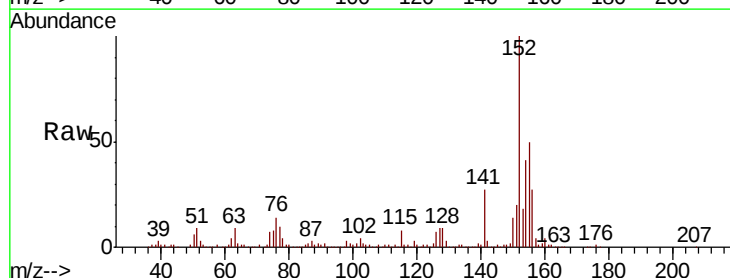
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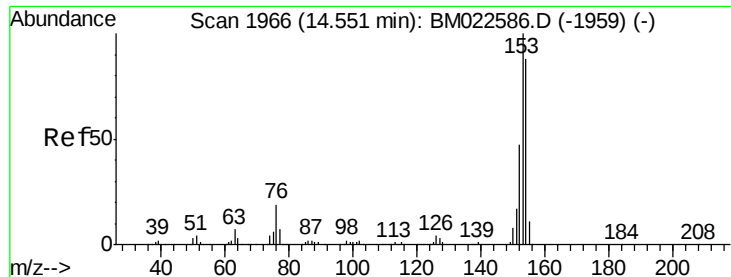
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#48
Acenaphthylene
Concen: 4.832 ng/ul
RT: 14.21 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	682647		
151	19.8		15.8	23.8
153	17.5		10.4	15.6#





#50

Acenaphthene

Concen: 92.344 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. 0.01 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Instrument :

BNA_M

ClientSampled :

BF568

Tot Ion:153 Resp: 9039242

Ion Ratio Lower Upper

153 100

152 49.9 37.5 56.3

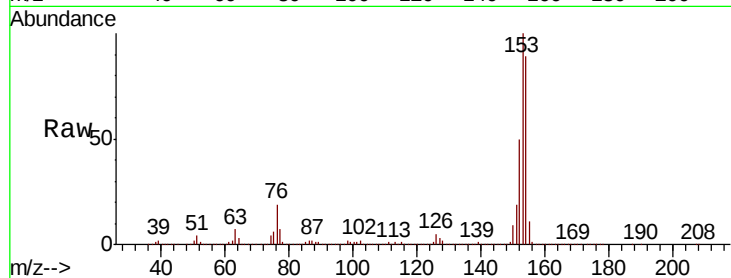
154 89.0 71.4 107.0

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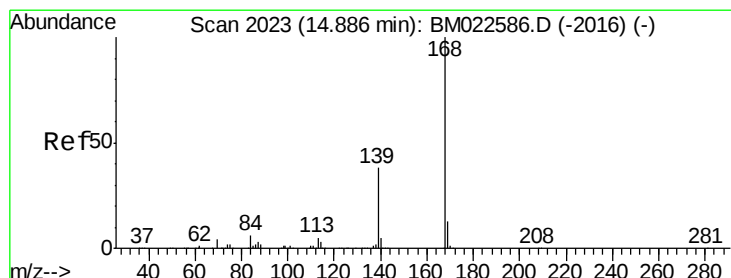
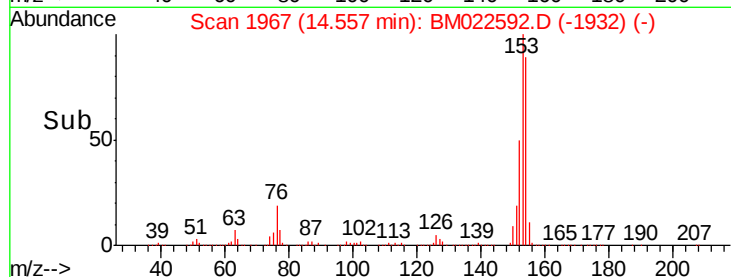
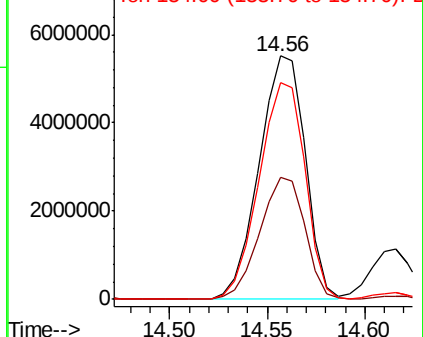
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 76.484 ng/ul

RT: 14.89 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BM022592.D

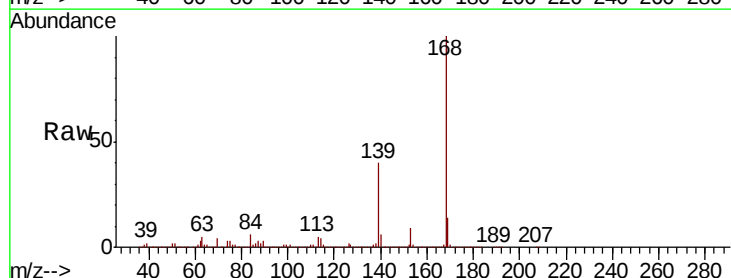
Acq: 09 Sep 2019 07:33

Tgt Ion:168 Resp:10390497

Ion Ratio Lower Upper

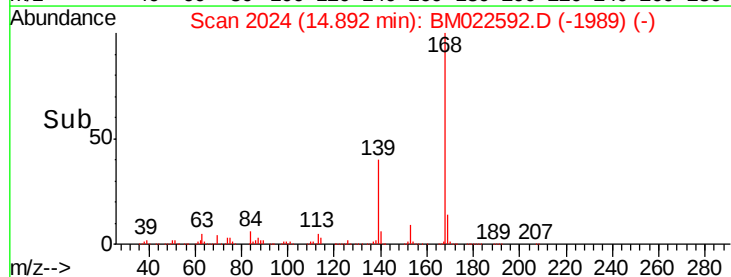
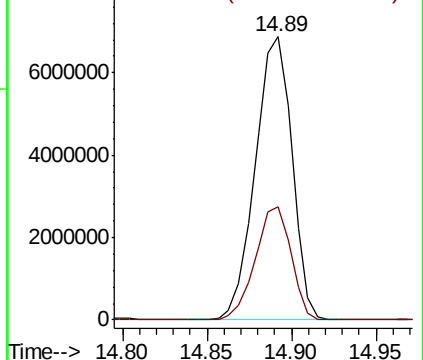
168 100

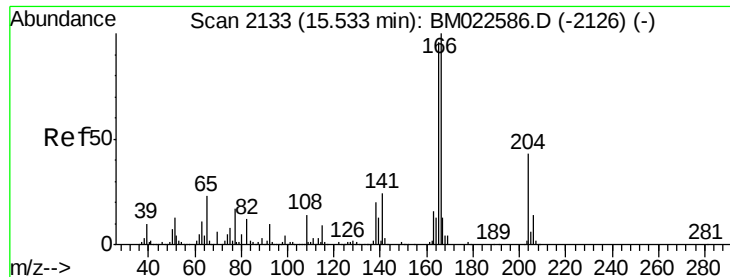
139 39.8 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





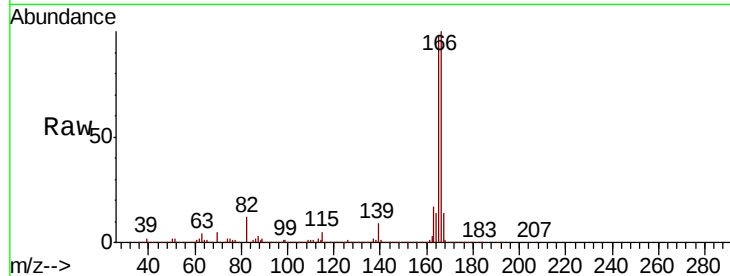
#59
 Fluorene
 Concen: 55.924 ng/ul
 RT: 15.54 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BM022592.D
 Acq: 09 Sep 2019 07:33

Instrument :
 BNA_M
 ClientSampled :
 BF568

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.8
167	13.6	10.9	16.3

Manual Integrations
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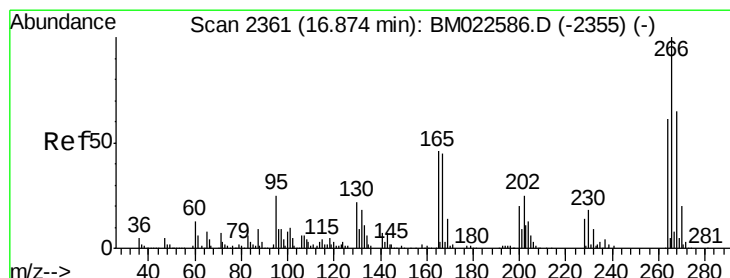
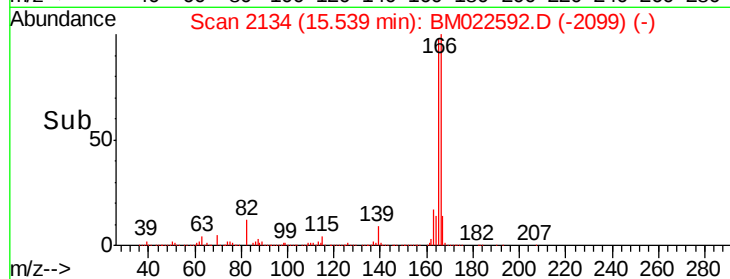
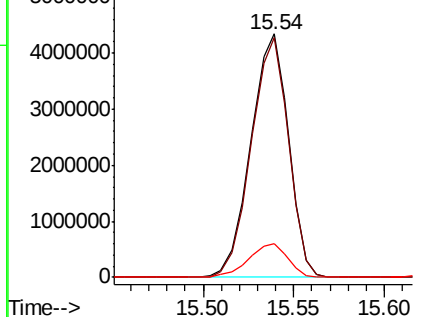


Abundance

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
 Pentachlorophenol
 Concen: 6.323 ng/ul
 RT: 16.87 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: BM022592.D
 Acq: 09 Sep 2019 07:33

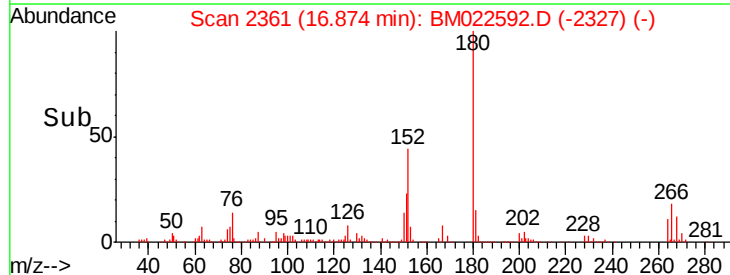
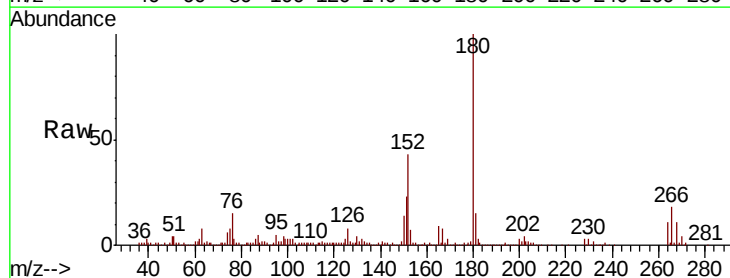
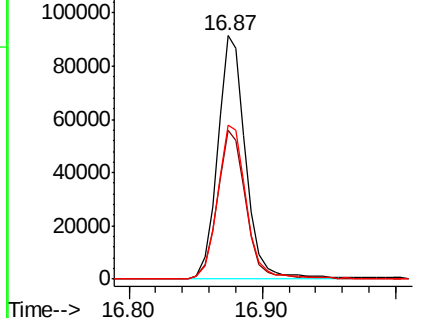
Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.2	50.8	76.2
268	63.0	50.9	76.3

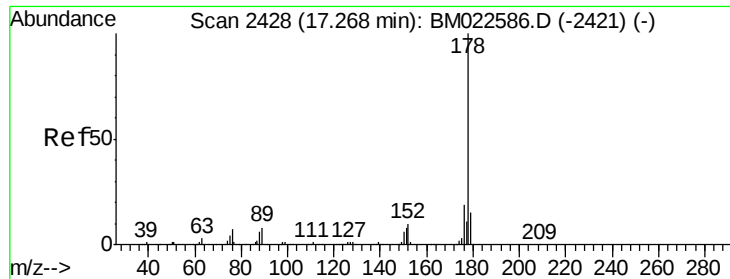
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





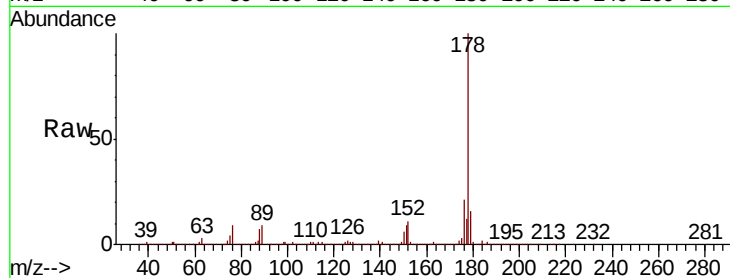
#70
Phenanthrene
Concen: 52.059 ng/ul
RT: 17.27 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Instrument :
BNA_M
ClientSampleId :
BF568

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.0	18.0
176	20.9	15.4	23.0

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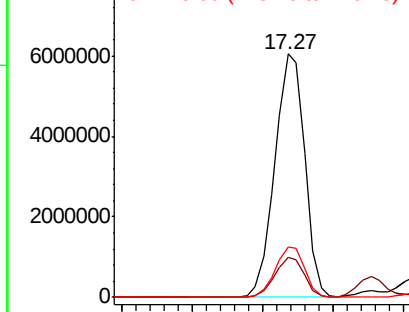


Abundance

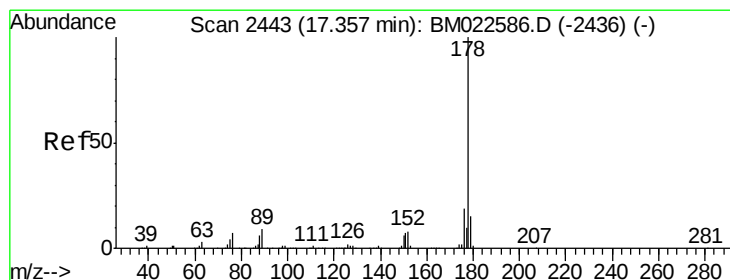
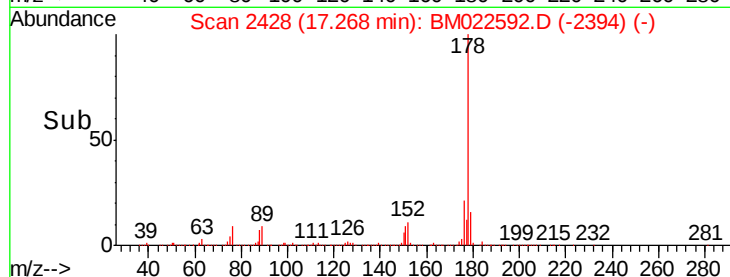
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72
Anthracene
Concen: 3.636 ng/ul
RT: 17.36 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

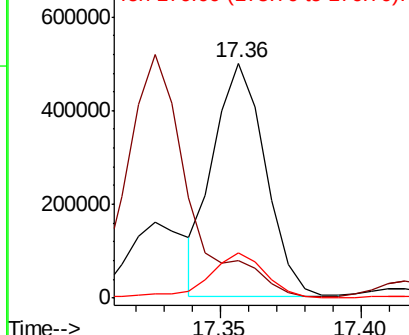
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.1	14.7	22.1

Abundance

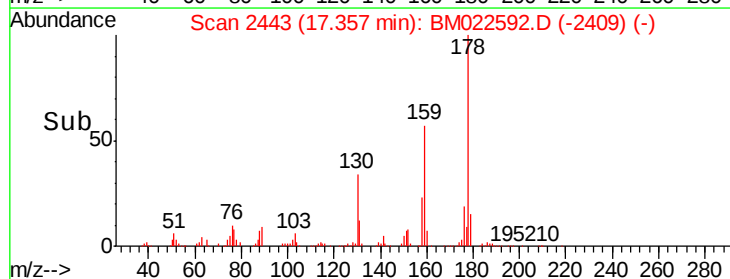
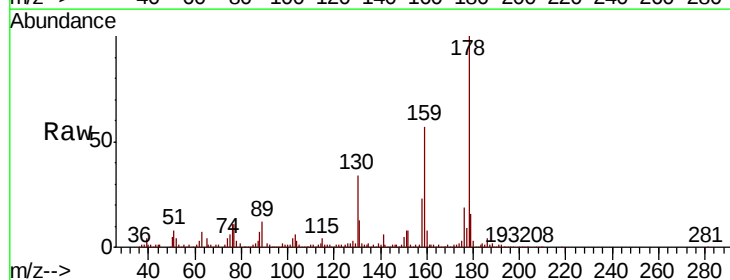
Ion 178.00 (177.70 to 178.70): E

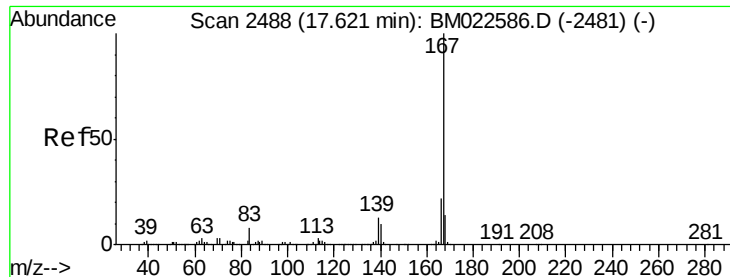
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#75

Carbazole

Concen: 22.339 ng/ul

RT: 17.62 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

Instrument :

BNA_M

ClientSampleId :

BF568

Tot Ion:167 Resp: 3539455

Ion Ratio Lower Upper

167 100

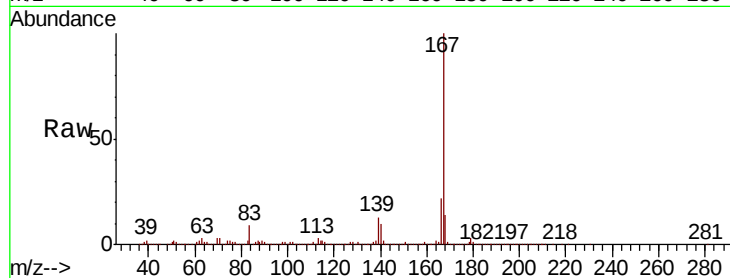
166 21.6 17.4 26.0

139 13.0 10.6 15.8

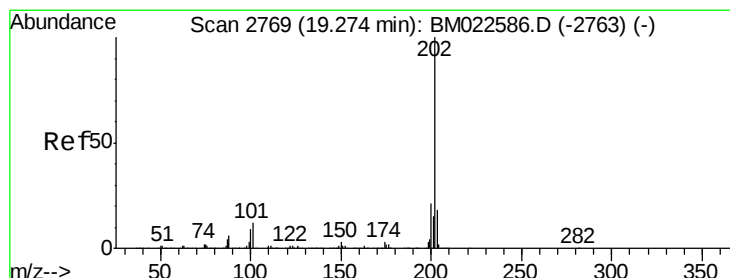
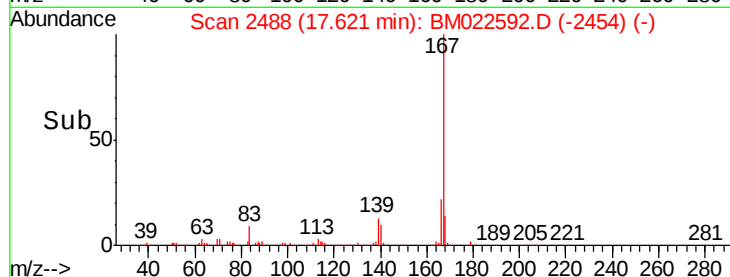
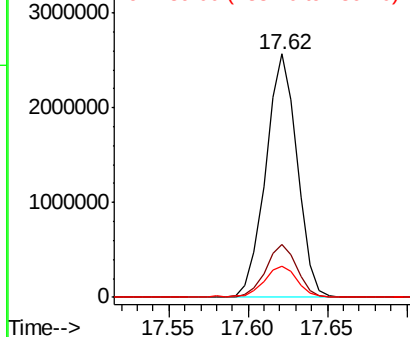
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 12.846 ng/ul

RT: 19.27 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BM022592.D

Acq: 09 Sep 2019 07:33

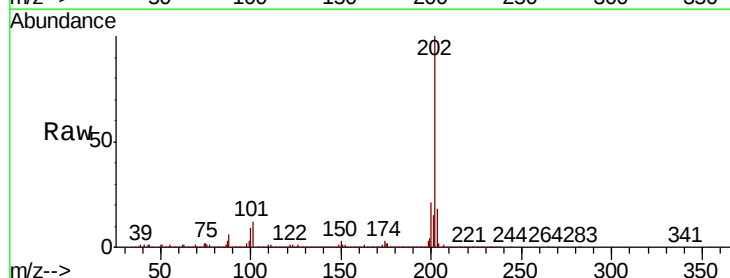
Tgt Ion:202 Resp: 2501828

Ion Ratio Lower Upper

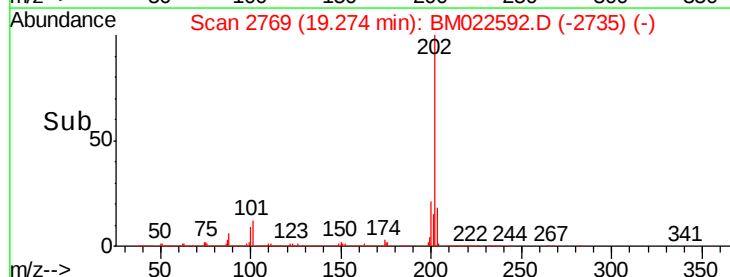
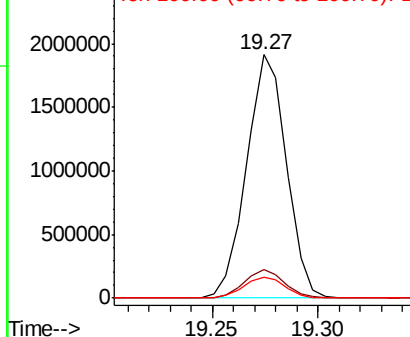
202 100

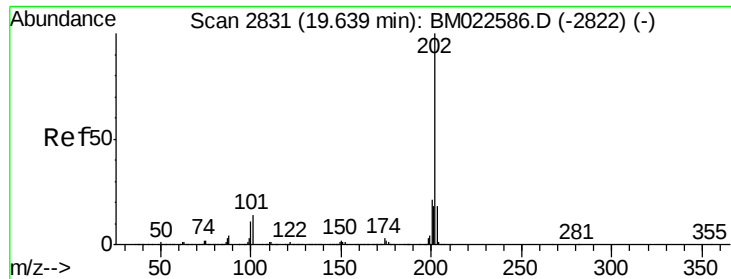
101 11.9 8.8 13.2

100 8.8 6.3 9.5



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





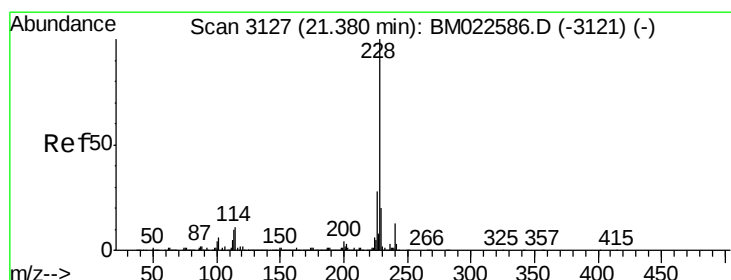
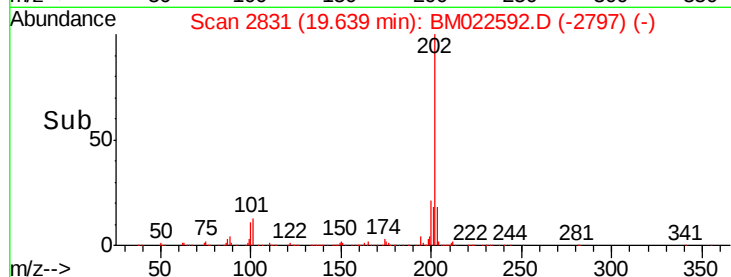
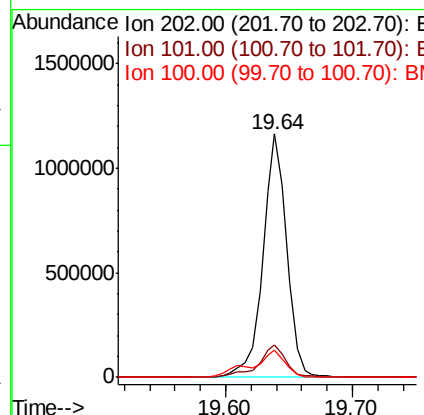
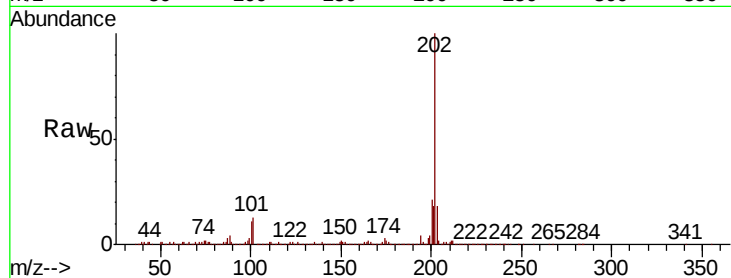
#80
Pvrene
Concen: 7.392 ng/ul
RT: 19.64 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Instrument :
BNA_M
ClientSampleId :
BF568

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	16.0
100	11.0	8.6	13.0

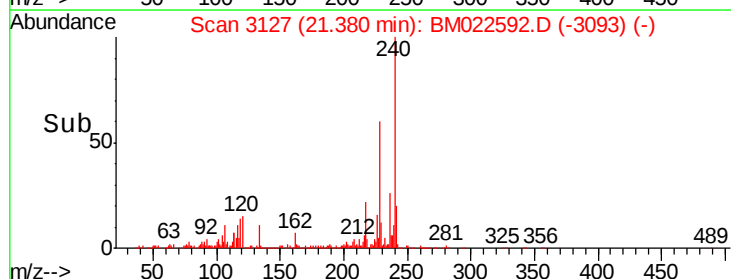
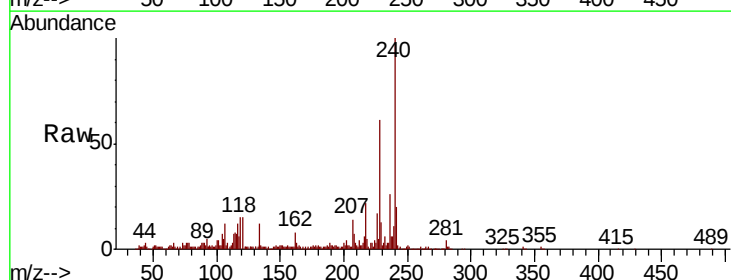
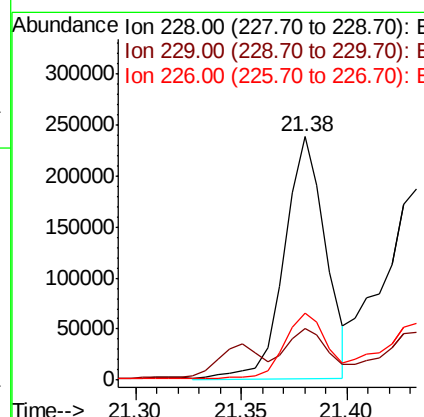
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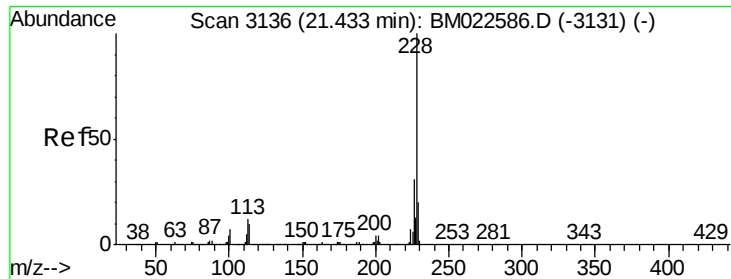
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#83
Benzo(a)anthracene
Concen: 1.535 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.7	23.5
226	27.3	22.2	33.2





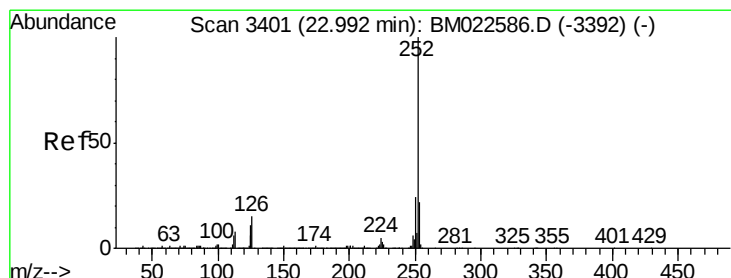
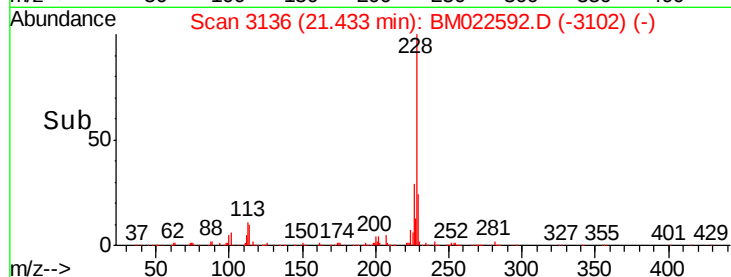
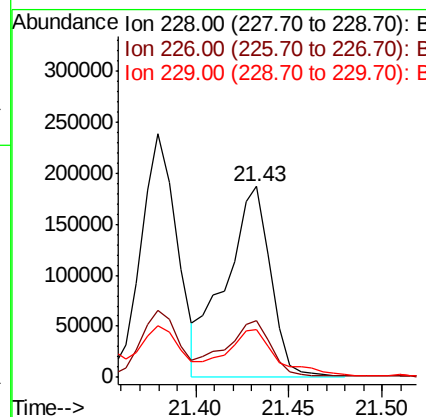
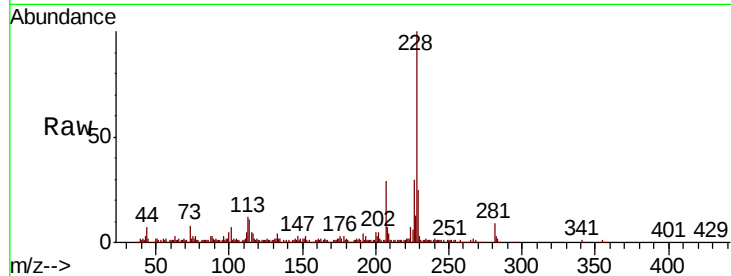
#85
Chrysene
Concen: 1.618 ng/ul m
RT: 21.43 min Scan# 3136
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Instrument :
BNA_M
ClientSampleId :
BF568

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.4
229	25.1	15.8	23.6

Manual Integrations
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#88
Benzo(b)fluoranthene
Concen: 1.389 ng/ul
RT: 22.99 min Scan# 3401
Delta R.T. -0.00 min
Lab File: BM022592.D
Acq: 09 Sep 2019 07:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	12.1	8.0	12.0

