

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020359.D
 Acq On : 17 May 2019 11:34
 Operator : JU/SJ
 Sample : K2604-20ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91ME

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:46:10 PM

Quant Time: May 20 07:49:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 02:51:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	72236	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	265214	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	172528	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	327071	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	338677	20.00	ng/ul	0.01
85) Perylene-d12	23.61	264	391947m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	11866	6.06	ng/uL	0.00
5) Phenol-d5	6.90	99	179933	31.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	122456	33.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	140843	33.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	126509	30.15	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	66035	38.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	69673	36.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	136341	33.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	114478	27.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	400565	32.27	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	502228	32.34	ng/ul	0.02
51) 4-Nitrophenol-d4	14.60	143	26236	14.56	ng/ul	0.00
57) Fluorene-d10	15.39	176	349593	31.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	19298m	10.36	ng/ul	0.03
70) Anthracene-d10	17.25	188	515095	36.72	ng/ul	0.02
78) Pyrene-d10	19.54	212	577422	35.40	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.47	264	622050m	34.92	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.61	128	30055595m	2466.584	ng/ul
34) 2-Methylnaphthalene	12.23	142	14964788	1696.203	ng/ul 96
40) 1,1'-Biphenyl	13.22	154	1756581	142.218	ng/ul 99
47) Acenaphthylene	14.13	152	10713306	731.694	ng/ul 97
49) Acenaphthene	14.46	153	638305	63.413	ng/ul 98
53) Dibenzofuran	14.79	168	645400	42.341	ng/ul 96
58) Fluorene	15.45	166	4793221	392.531	ng/ul 99
69) Phenanthrene	17.20	178	19164273m	1229.732	ng/ul
71) Anthracene	17.29	178	4603770	290.414	ng/ul 100
74) Carbazole	17.55	167	61836	4.596	ng/ul# 82
76) Fluoranthene	19.22	202	7715025	391.908	ng/ul 97
79) Pyrene	19.59	202	11239161m	552.888	ng/ul
82) Benzo(a)anthracene	21.33	228	3948977m	193.727	ng/ul
84) Chrysene	21.38	228	3317154	170.283	ng/ul 97
87) Benzo(b)fluoranthene	22.93	252	2535259	113.336	ng/ul 97
88) Benzo(k)fluoranthene	22.97	252	767209m	34.917	ng/ul
90) Benzo(a)pyrene	23.53	252	3062967m	145.498	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.93	276	1171106m	48.821	ng/ul
92) Dibenzo(a,h)anthracene	25.93	278	350669m	17.095	ng/ul
93) Benzo(g,h,i)perylene	26.64	276	1180846m	59.469	ng/ul

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

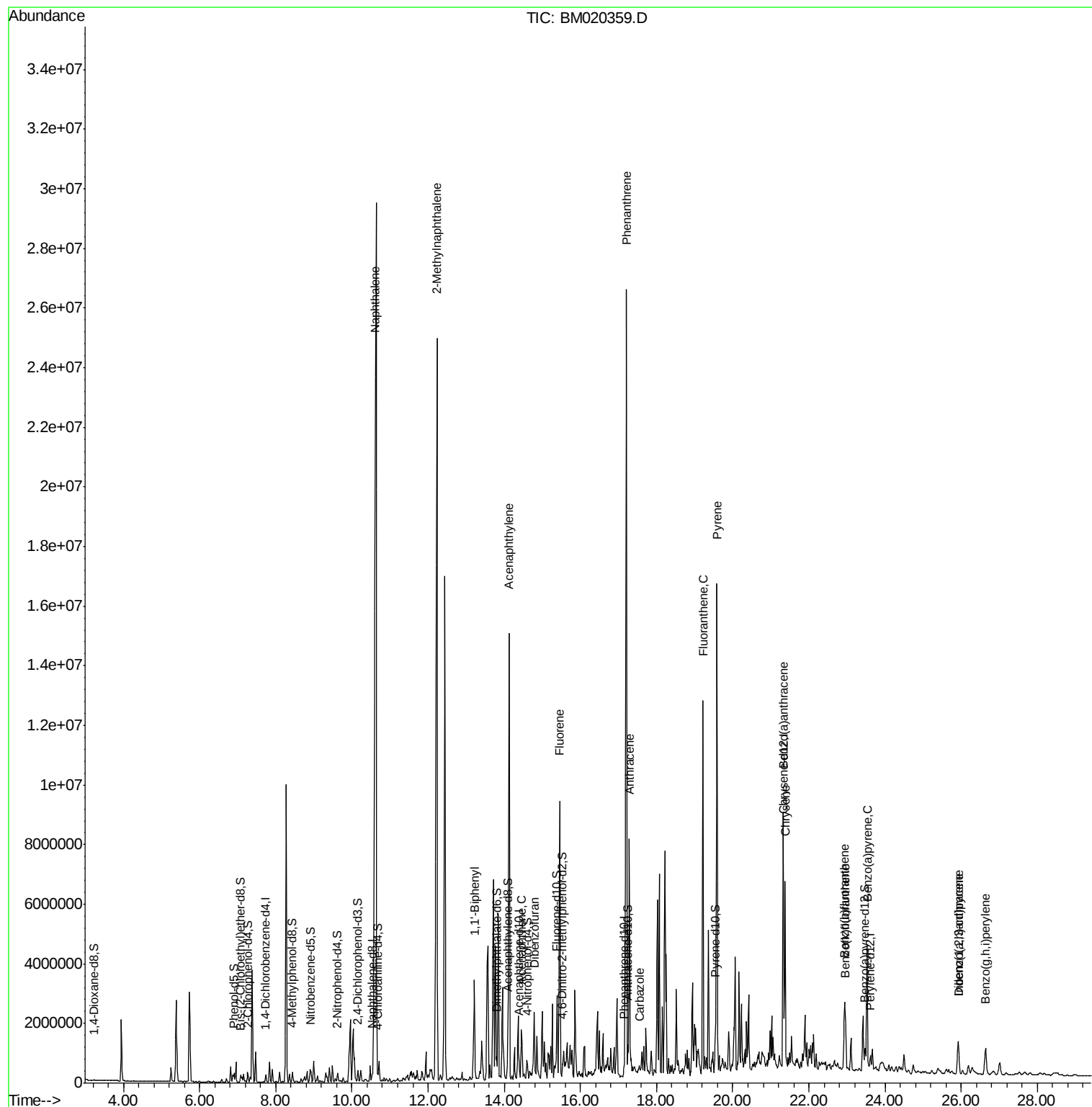
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020359.D
Acq On : 17 May 2019 11:34
Operator : JU/SJ
Sample : K2604-20ME
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ALS Vial : 6 Sample Multiplier: 1

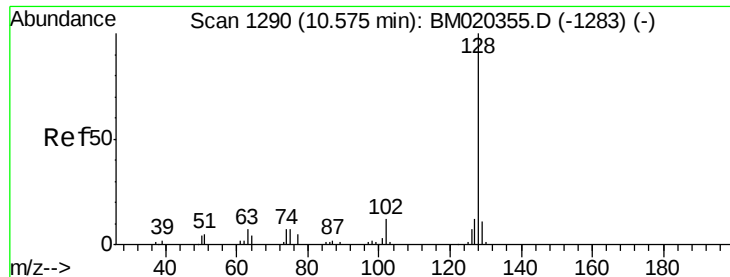
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BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 2466.584 ng/ul m

RT: 10.61 min Scan# 1296

Delta R.T. 0.04 min

Lab File: BM020359.D

Acq: 17 May 2019 11:34

Instrument :

BNA_M

ClientSampleId :

GAJ91ME

Tot Ion:128 Resp:30055595

Ion Ratio Lower Upper

128 100

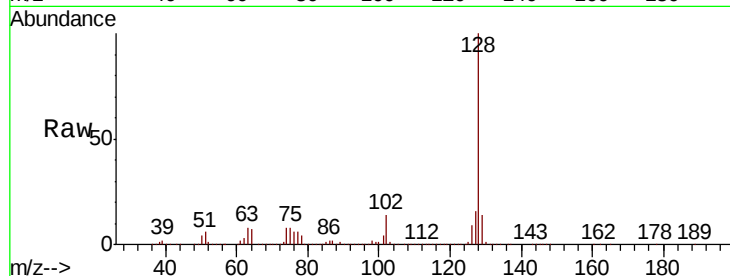
129 14.0 8.6 13.0#

127 16.4 10.6 15.8#

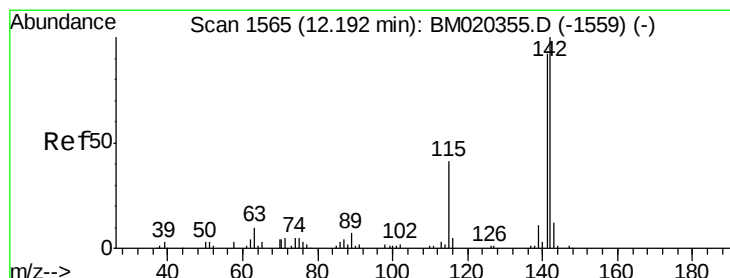
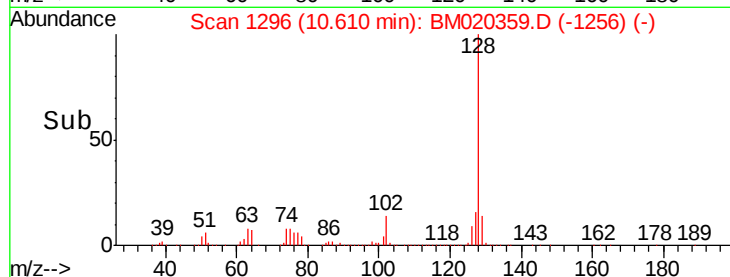
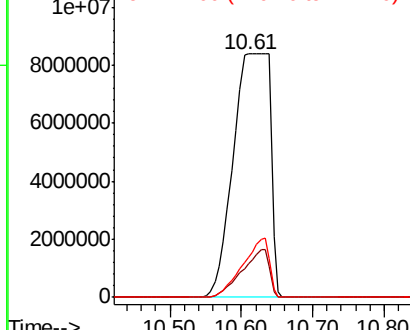
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1696.203 ng/ul

RT: 12.23 min Scan# 1572

Delta R.T. 0.04 min

Lab File: BM020359.D

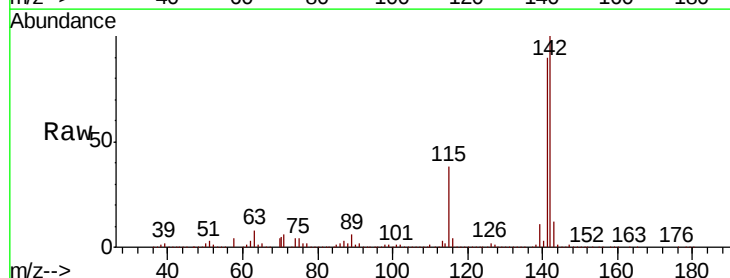
Acq: 17 May 2019 11:34

Tgt Ion:142 Resp:14964788

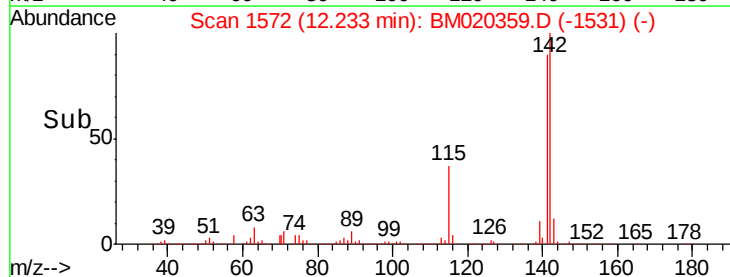
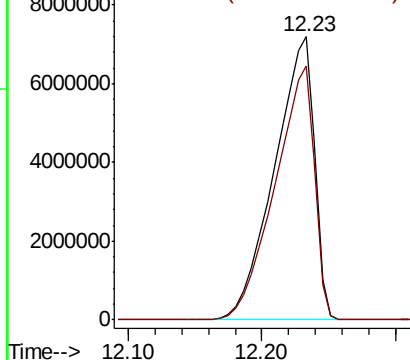
Ion Ratio Lower Upper

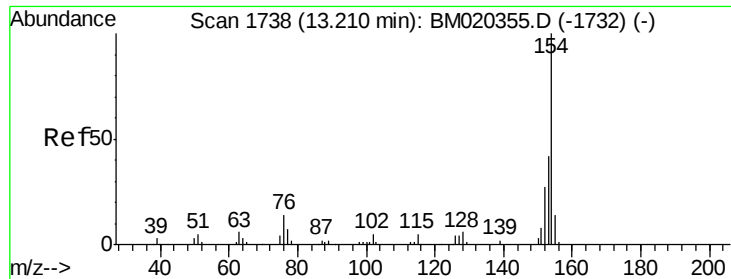
142 100

141 89.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





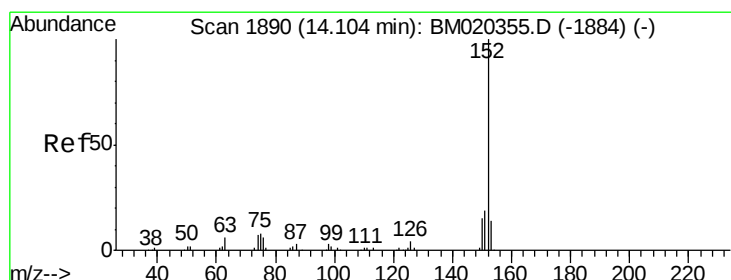
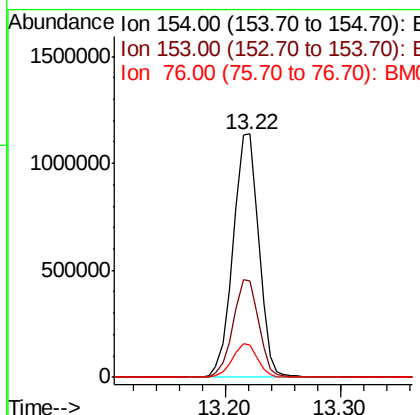
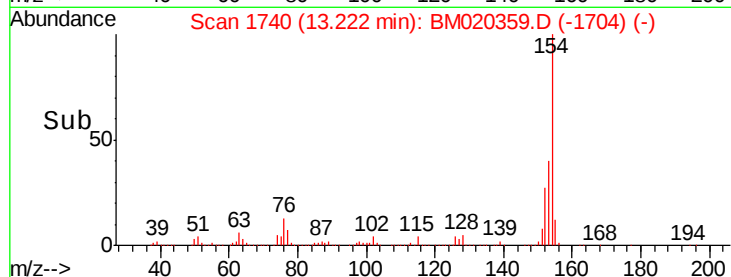
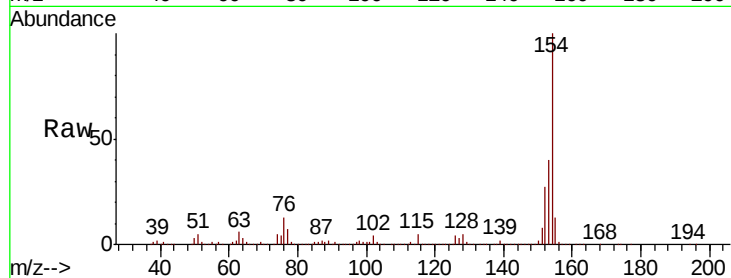
#40
 1,1'-Biphenyl
 Concen: 142.218 ng/ul
 RT: 13.22 min Scan# 1740
 Delta R.T. 0.01 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.2	48.4
76	13.1	11.0	16.4

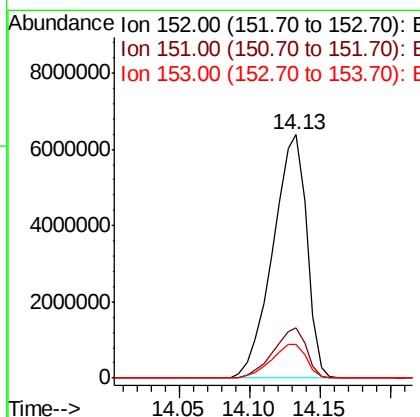
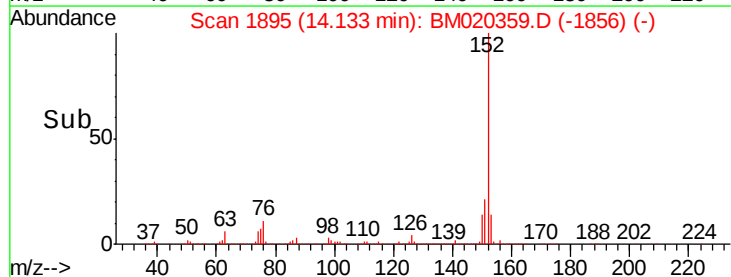
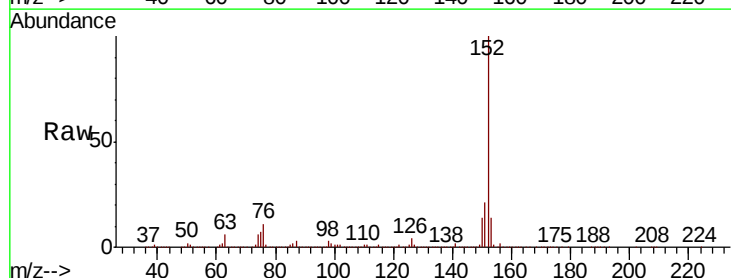
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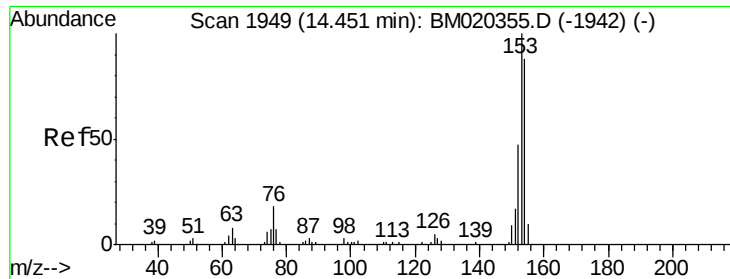
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#47
 Acenaphthylene
 Concen: 731.694 ng/ul
 RT: 14.13 min Scan# 1895
 Delta R.T. 0.03 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.0
153	14.0	10.3	15.5





#49

Acenaphthene

Concen: 63.413 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BM020359.D

Acq: 17 May 2019 11:34

Instrument :

BNA_M

ClientSampled :

GAJ91ME

Tot Ion:153 Resp: 638305

Ion Ratio Lower Upper

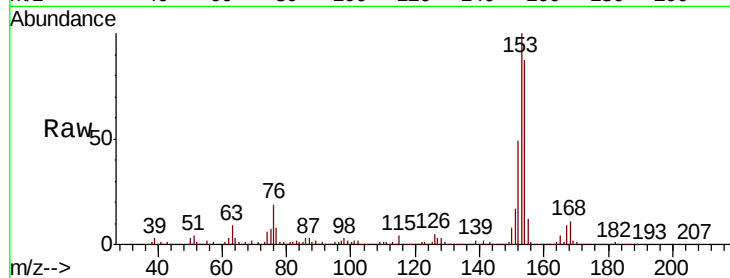
153 100

152 48.6 37.9 56.9

154 86.9 71.2 106.8

Manual Integrations
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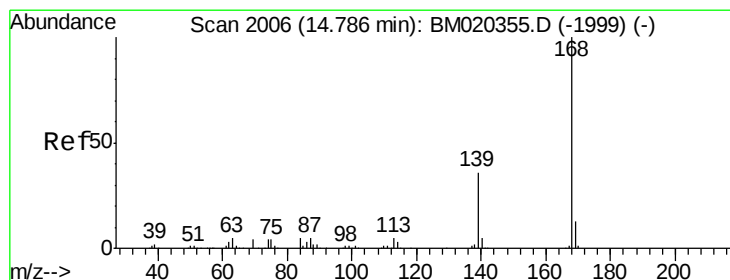
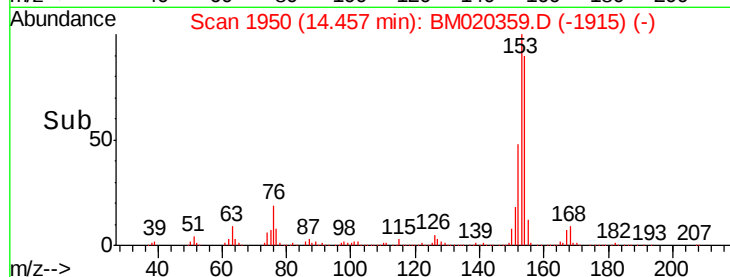
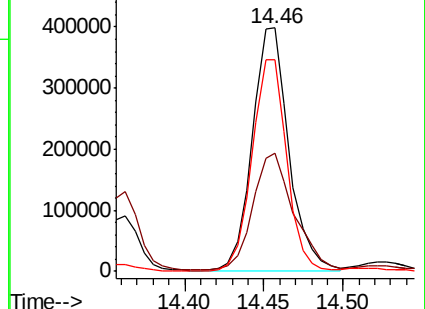
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 42.341 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BM020359.D

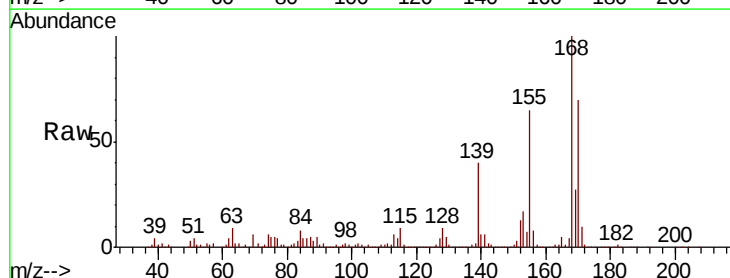
Acq: 17 May 2019 11:34

Tgt Ion:168 Resp: 645400

Ion Ratio Lower Upper

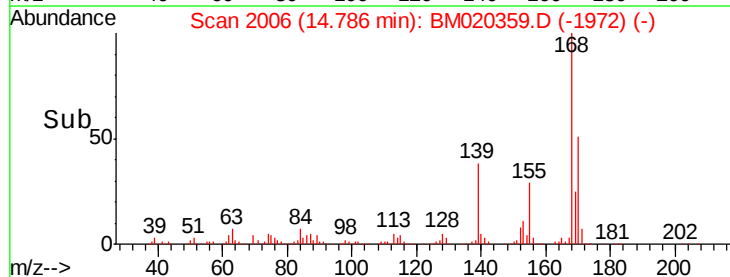
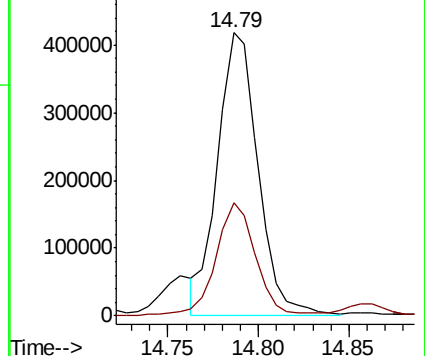
168 100

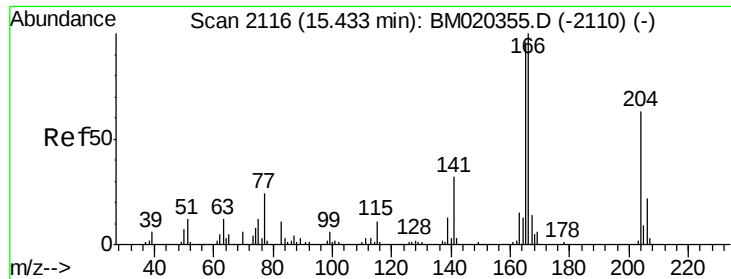
139 39.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





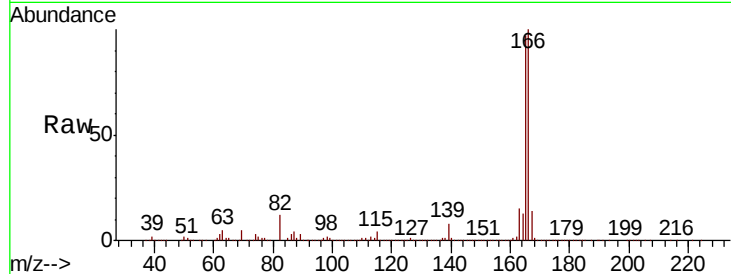
#58
 Fluorene
 Concen: 392.531 ng/ul
 RT: 15.45 min Scan# 2119
 Delta R.T. 0.02 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91ME

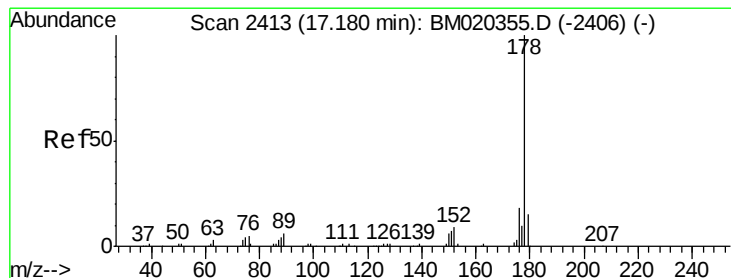
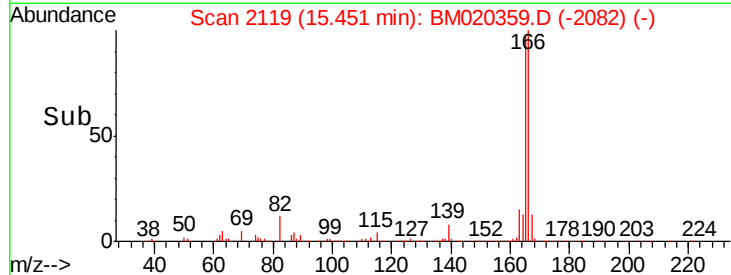
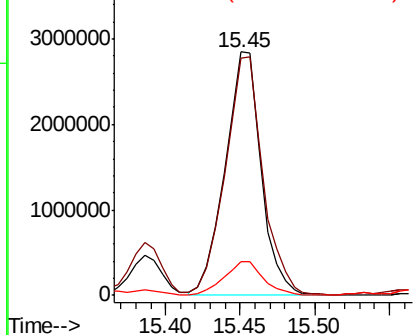
Tot Ion:166 Resp: 4793221
 Ion Ratio Lower Upper
 166 100
 165 97.4 77.1 115.7
 167 13.8 11.1 16.7

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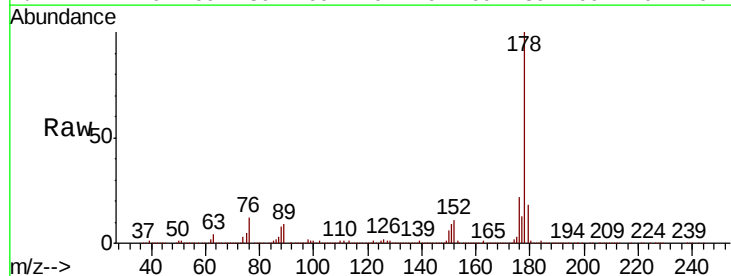


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

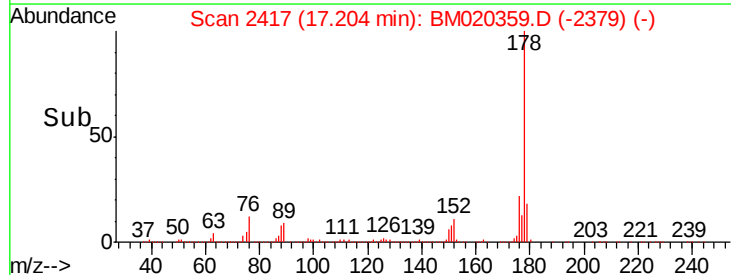
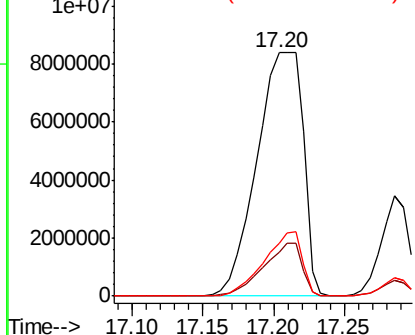


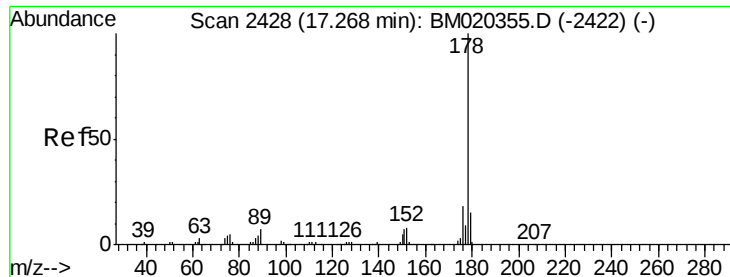
#69
 Phenanthrene
 Concen: 1229.732 ng/ul m
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.02 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Tgt Ion:178 Resp:19164273
 Ion Ratio Lower Upper
 178 100
 179 18.2 11.9 17.9#
 176 21.6 14.6 22.0



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





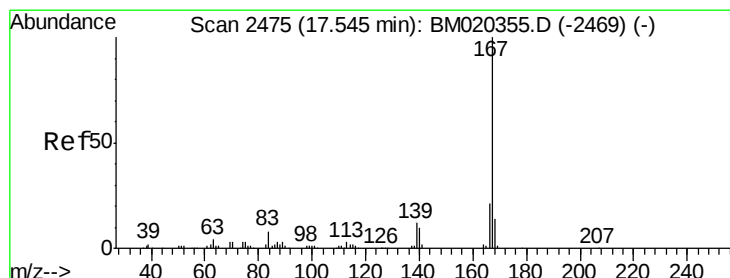
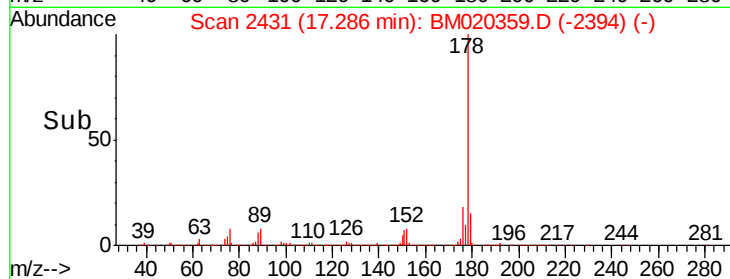
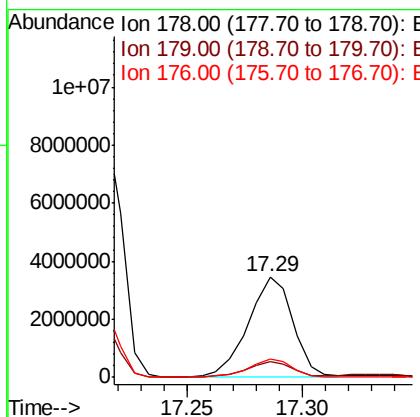
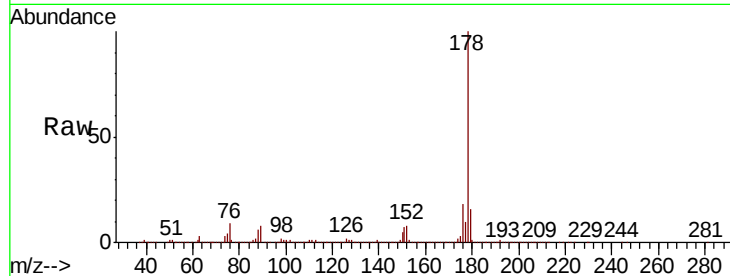
#71
 Anthracene
 Concen: 290.414 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.02 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Instrument :
 BNA_M
 ClientSampled :
 GAJ91ME

Tot Ion:178 Resp: 4603770
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 18.0 14.4 21.6

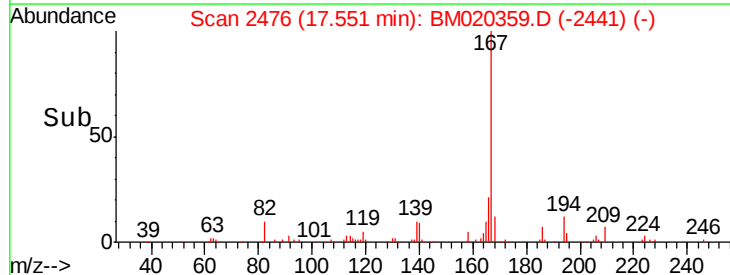
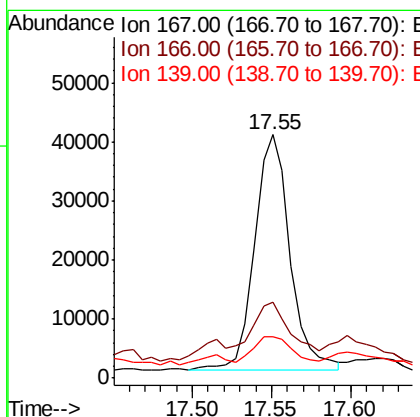
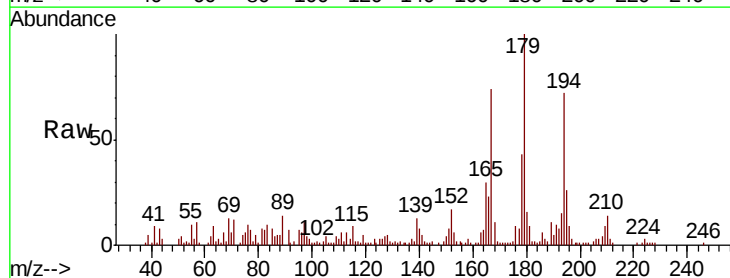
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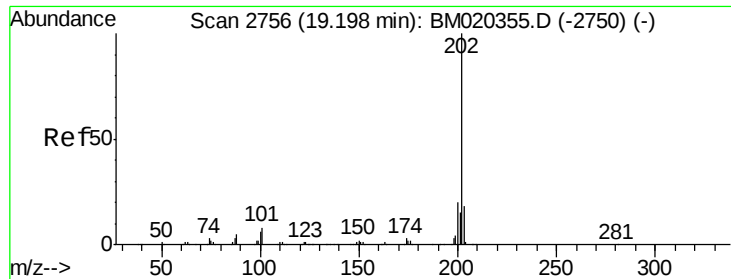
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#74
 Carbazole
 Concen: 4.596 ng/ul
 RT: 17.55 min Scan# 2476
 Delta R.T. 0.01 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Tgt Ion:167 Resp: 61836
 Ion Ratio Lower Upper
 167 100
 166 31.1 16.6 24.8#
 139 16.9 9.8 14.8#





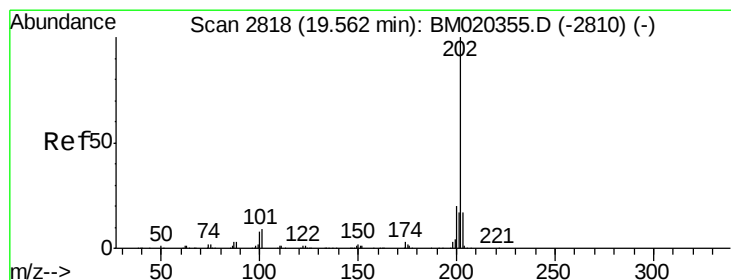
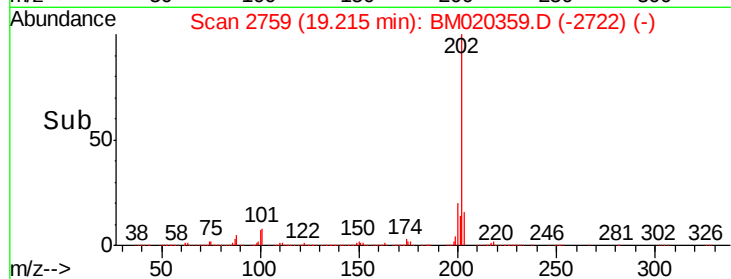
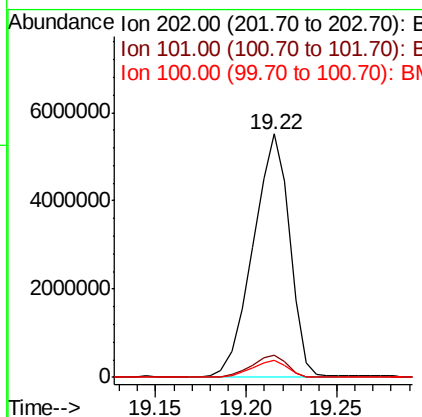
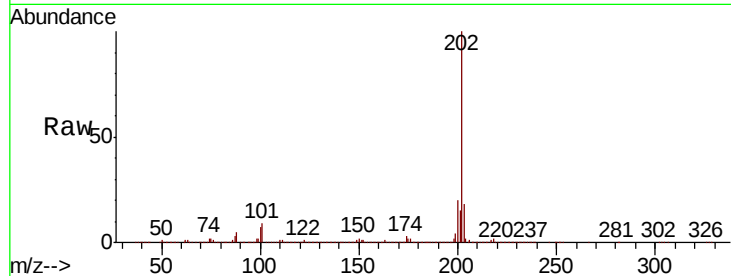
#76
 Fluoranthene
 Concen: 391.908 ng/ul
 RT: 19.22 min Scan# 2759
 Delta R.T. 0.02 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.4	9.6
100	7.2	5.2	7.8

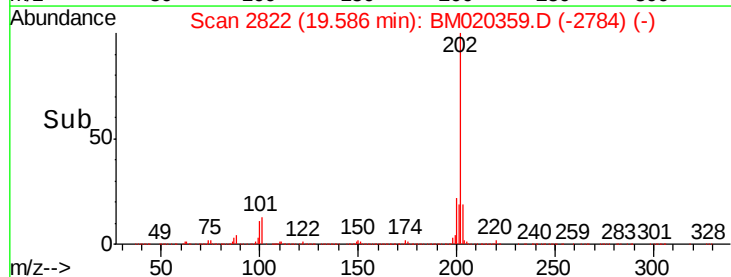
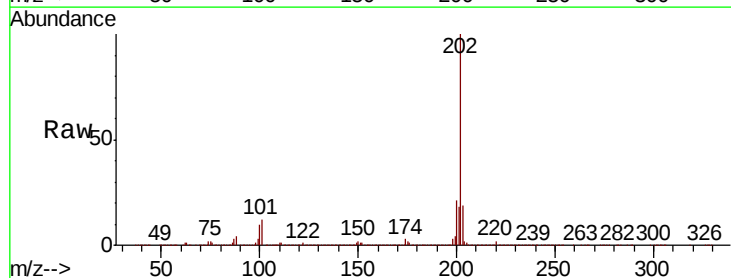
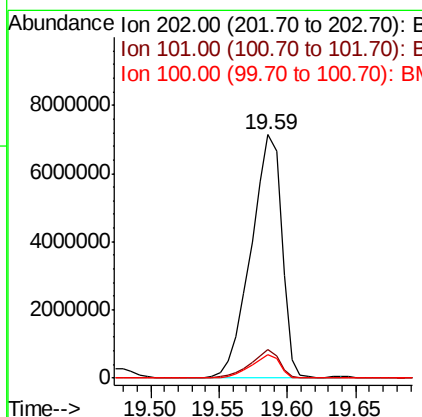
Manual Integrations
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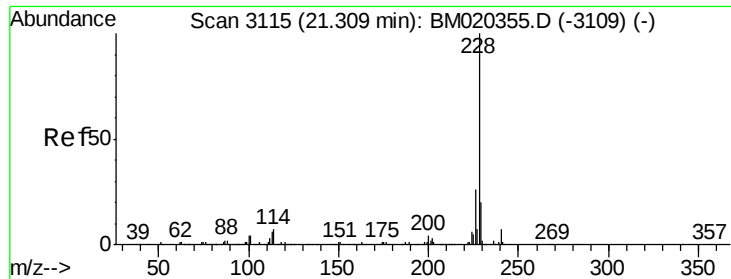
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#79
 Pyrene
 Concen: 552.888 ng/ul m
 RT: 19.59 min Scan# 2822
 Delta R.T. 0.02 min
 Lab File: BM020359.D
 Acq: 17 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	7.1	10.7#
100	9.7	5.9	8.9#





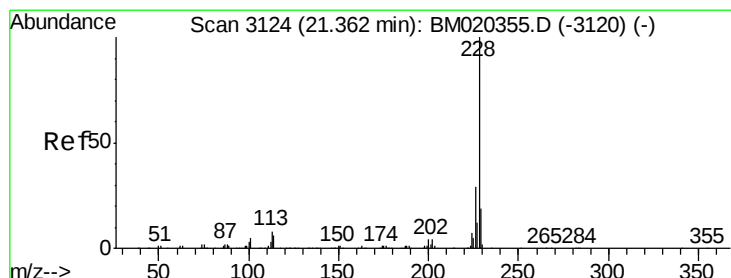
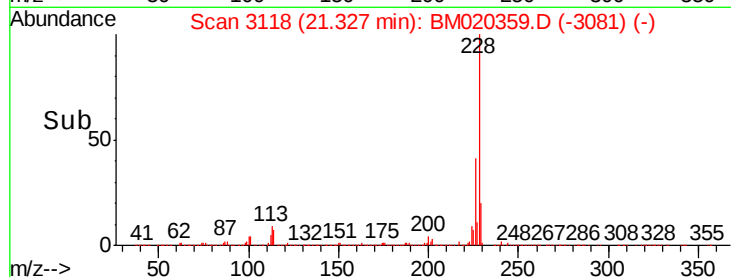
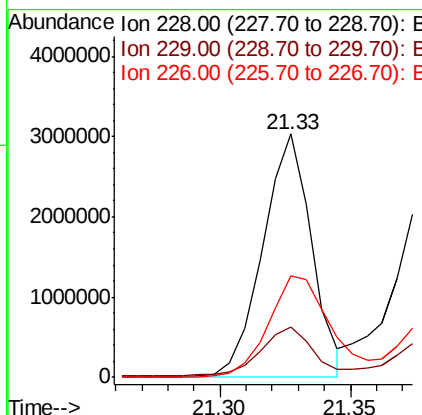
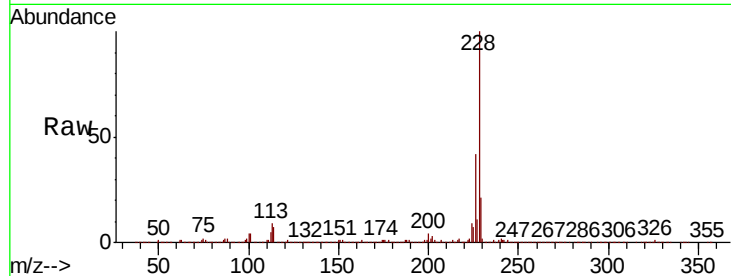
#82
Benzo(a)anthracene
Concen: 193.727 ng/ul m
RT: 21.33 min Scan# 3118
Delta R.T. 0.02 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Instrument :
BNA_M
ClientSampleId :
GAJ91ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.8
226	41.6	20.6	30.8

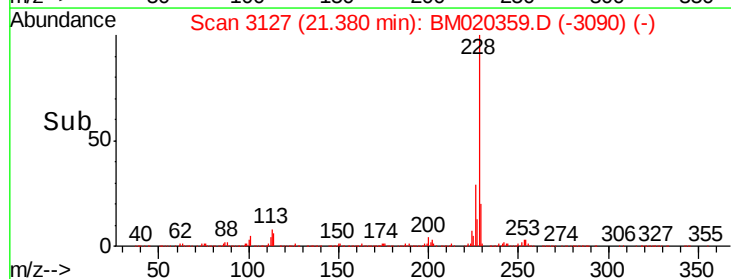
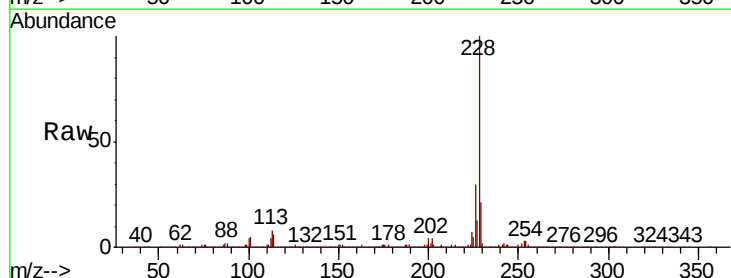
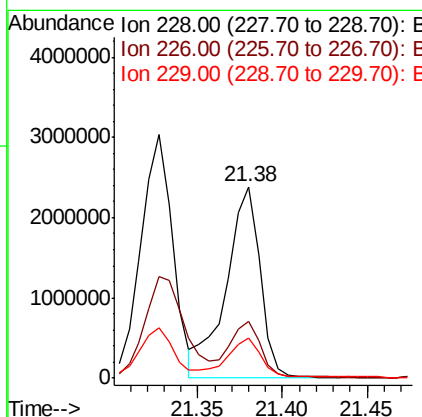
Manual Integrations
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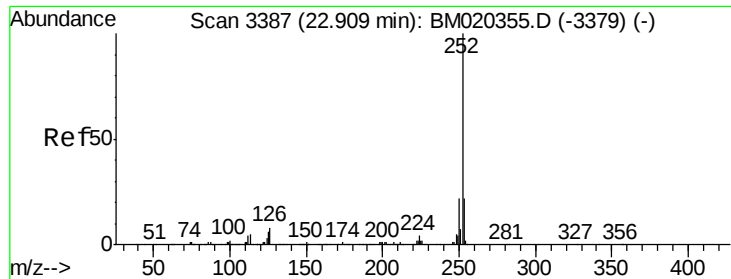
mohammad
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#84
Chrysene
Concen: 170.283 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. 0.02 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.4
229	20.8	15.4	23.2





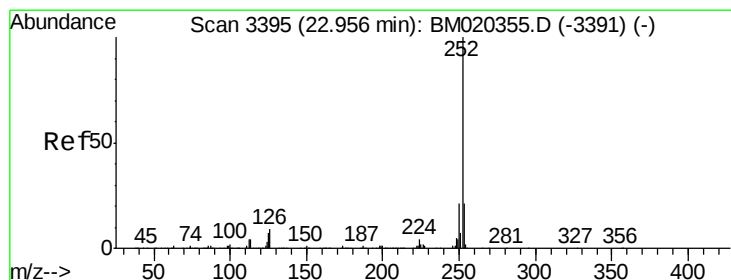
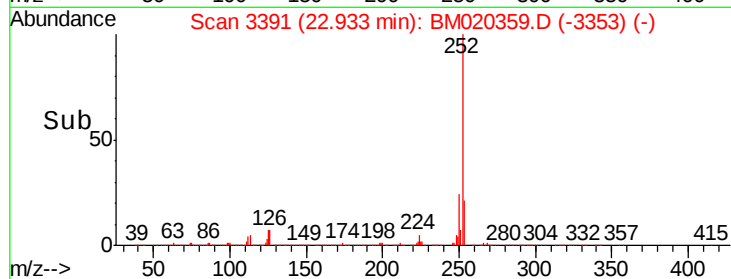
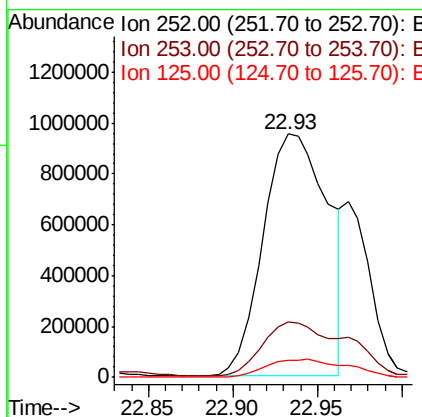
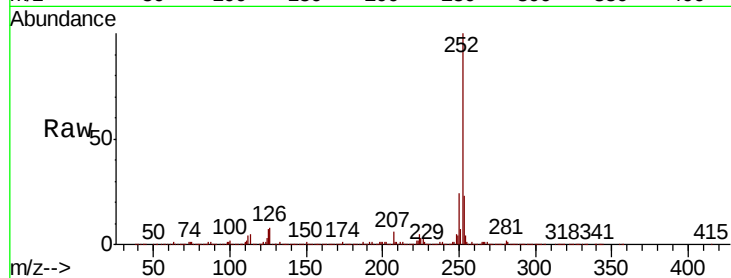
#87
Benzo(b)fluoranthene
Concen: 113.336 ng/ul
RT: 22.93 min Scan# 3391
Delta R.T. 0.02 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Instrument :
BNA_M
ClientSampleId :
GAJ91ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	7.1	5.0	7.4

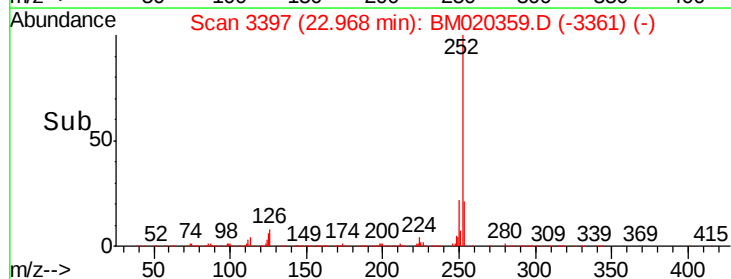
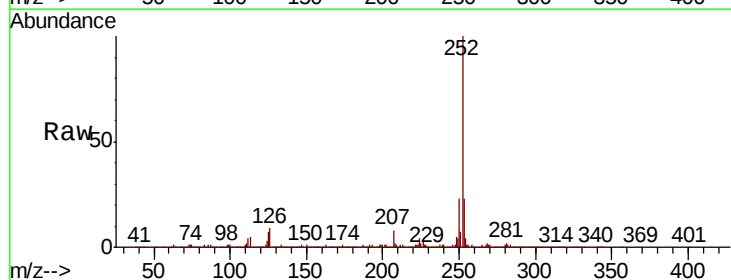
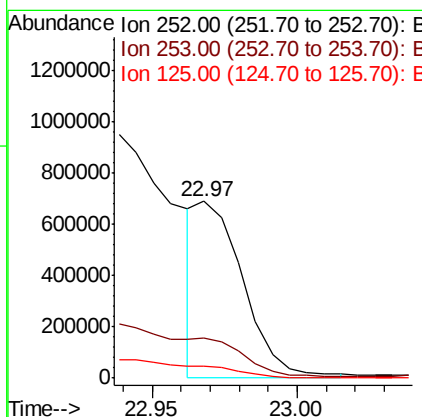
Manual Integrations
APPROVED

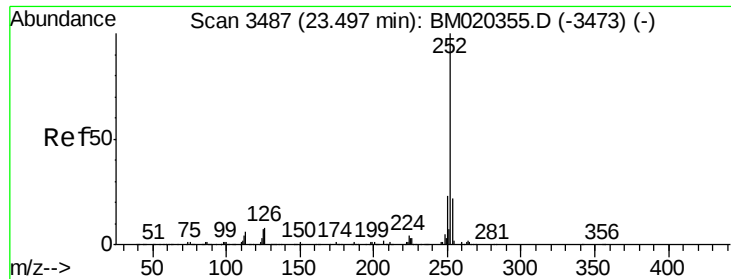
mohammad
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#88
Benzo(k)fluoranthene
Concen: 34.917 ng/ul m
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	6.8	5.0	7.6





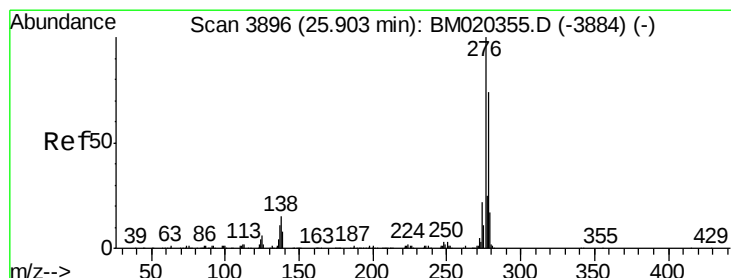
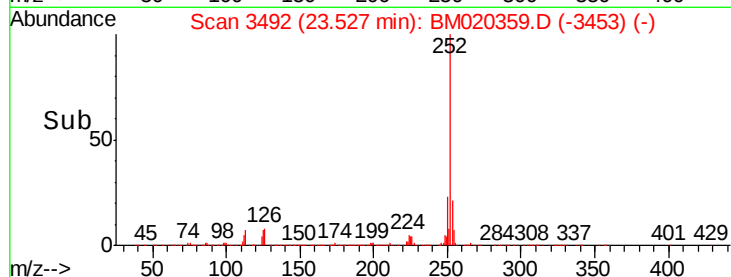
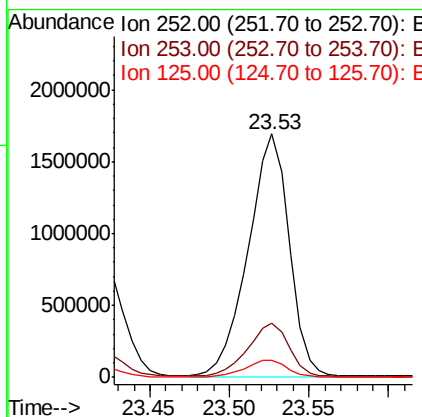
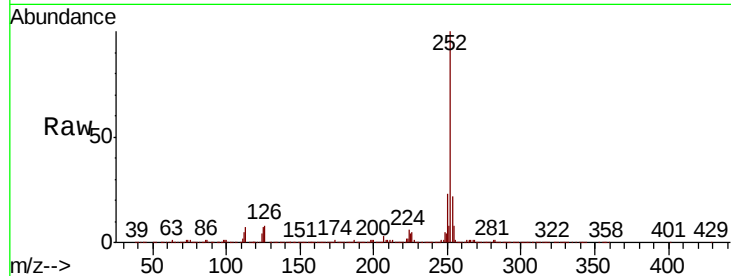
#90
Benzo(a)pyrene
Concen: 145.498 ng/ul m
RT: 23.53 min Scan# 3492
Delta R.T. 0.03 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Instrument :
BNA_M
ClientSampleId :
GAJ91ME

Tot Ion:252 Resp: 3062967
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 6.8 5.4 8.2

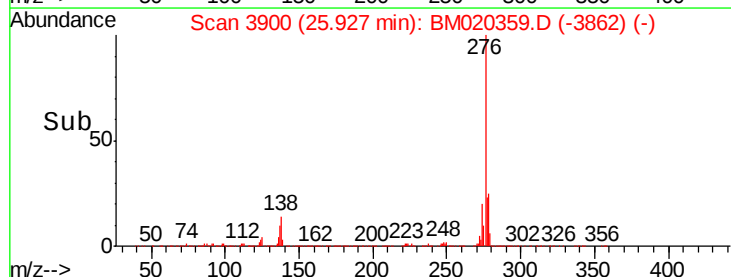
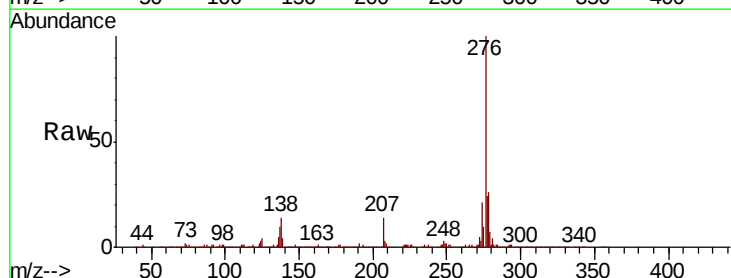
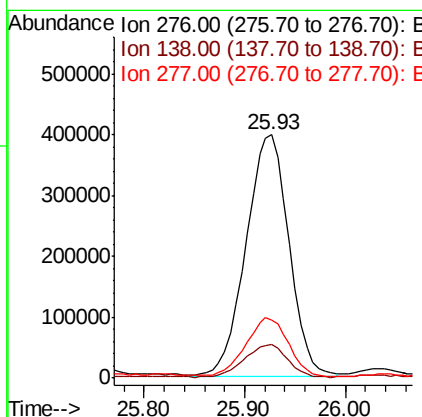
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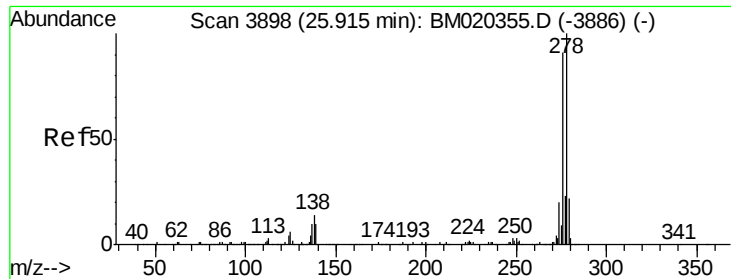
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#91
Indeno(1,2,3-cd)pyrene
Concen: 48.821 ng/ul m
RT: 25.93 min Scan# 3900
Delta R.T. 0.02 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Tgt Ion:276 Resp: 1171106
Ion Ratio Lower Upper
276 100
138 13.7 12.3 18.5
277 23.7 20.0 30.0





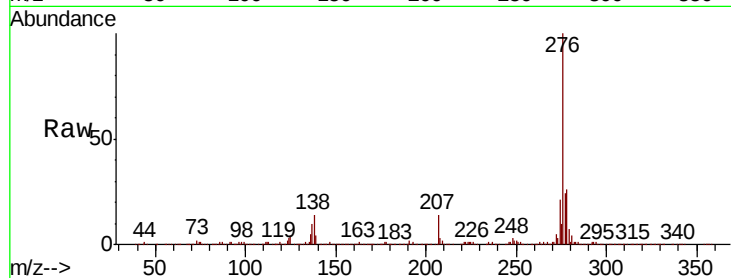
#92
Dibenzo(a,h)anthracene
Concen: 17.095 ng/ul m
RT: 25.93 min Scan# 3900
Delta R.T. 0.01 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Instrument :
BNA_M
ClientSampleId :
GAJ91ME

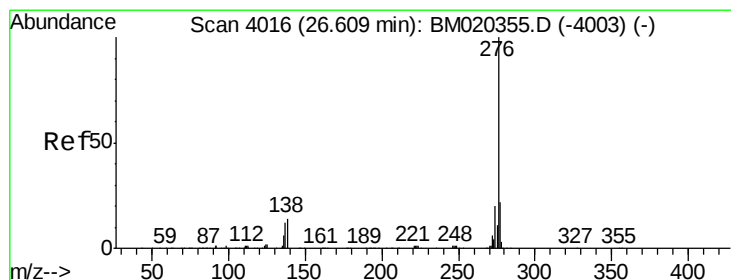
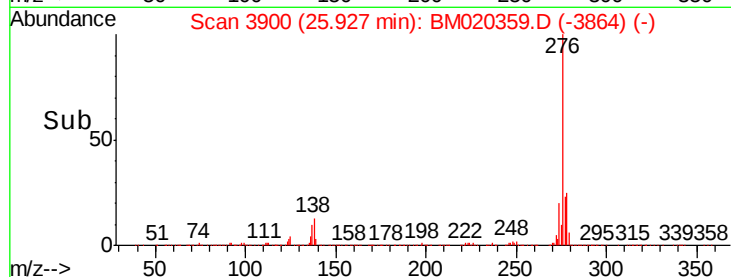
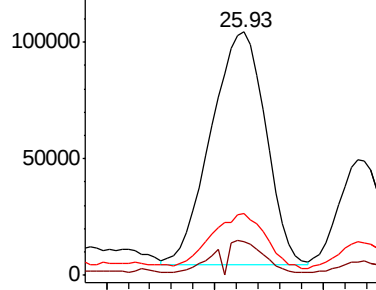
Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	8.1	12.1#
279	25.1	18.7	28.1

Manual Integrations
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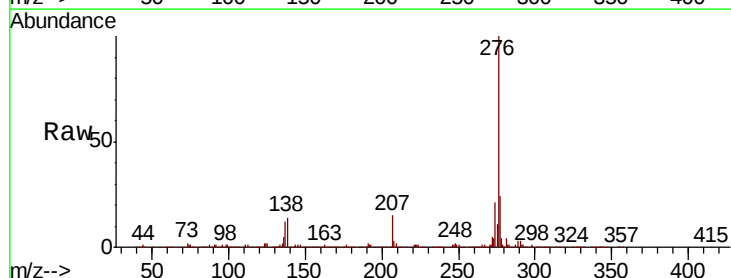


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93
Benzo(g,h,i)perylene
Concen: 59.469 ng/ul m
RT: 26.64 min Scan# 4021
Delta R.T. 0.03 min
Lab File: BM020359.D
Acq: 17 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.6	10.0	15.0
277	23.7	18.2	27.4



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

