

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
 Data File : BM020853.D
 Acq On : 11 Jun 2019 02:01
 Operator : HP/JU
 Sample : K3017-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A51E9

Manual Integrations
 APPROVED

mohammad
 6/12/2019 8:29:10 AM

Quant Time: Jun 14 03:58:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 09 01:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	365556	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1434631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	795151	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1695033	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1552081	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1800891	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	22755	2.97	ng/uL	0.00
5) Phenol-d5	6.97	99	443878	15.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	284121	16.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	387016	17.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	362325	16.10	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	186450	19.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	197111	19.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	386537	18.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	88074	3.48	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1225182	20.83	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1421587	19.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	115490	11.44	ng/ul	0.00
57) Fluorene-d10	15.44	176	998326	19.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	101621	11.72	ng/ul	0.00
70) Anthracene-d10	17.29	188	1464755	19.78	ng/ul	0.00
78) Pyrene-d10	19.58	212	1501025	20.01	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	1577525	19.27	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.90	163	434634	7.380	ng/ul	99
49) Acenaphthene	14.51	153	76733	1.523	ng/ul	95
53) Dibenzofuran	14.84	168	72496	1.018	ng/ul	97
58) Fluorene	15.49	166	115873	2.026	ng/ul	96
69) Phenanthrene	17.23	178	5876278	68.884	ng/ul	99
71) Anthracene	17.32	178	377855	4.321	ng/ul	99
74) Carbazole	17.60	167	1020290	13.417	ng/ul	99
76) Fluoranthene	19.25	202	14342878m	146.716	ng/ul	
79) Pyrene	19.62	202	12315737	128.547	ng/ul	99
82) Benzo(a)anthracene	21.36	228	4764957	49.214	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.28	149	110891	1.684	ng/ul	99
84) Chrysene	21.41	228	7968685	88.698	ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	12377067	118.143	ng/ul	98
88) Benzo(k)fluoranthene	23.01	252	4059769	40.543	ng/ul	97
90) Benzo(a)pyrene	23.56	252	6439324	64.607	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.99	276	6377396	54.175	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.99	278	1395655	13.992	ng/ul#	84
93) Benzo(g,h,i)perylene	26.70	276	5611418	58.755	ng/ul	97

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

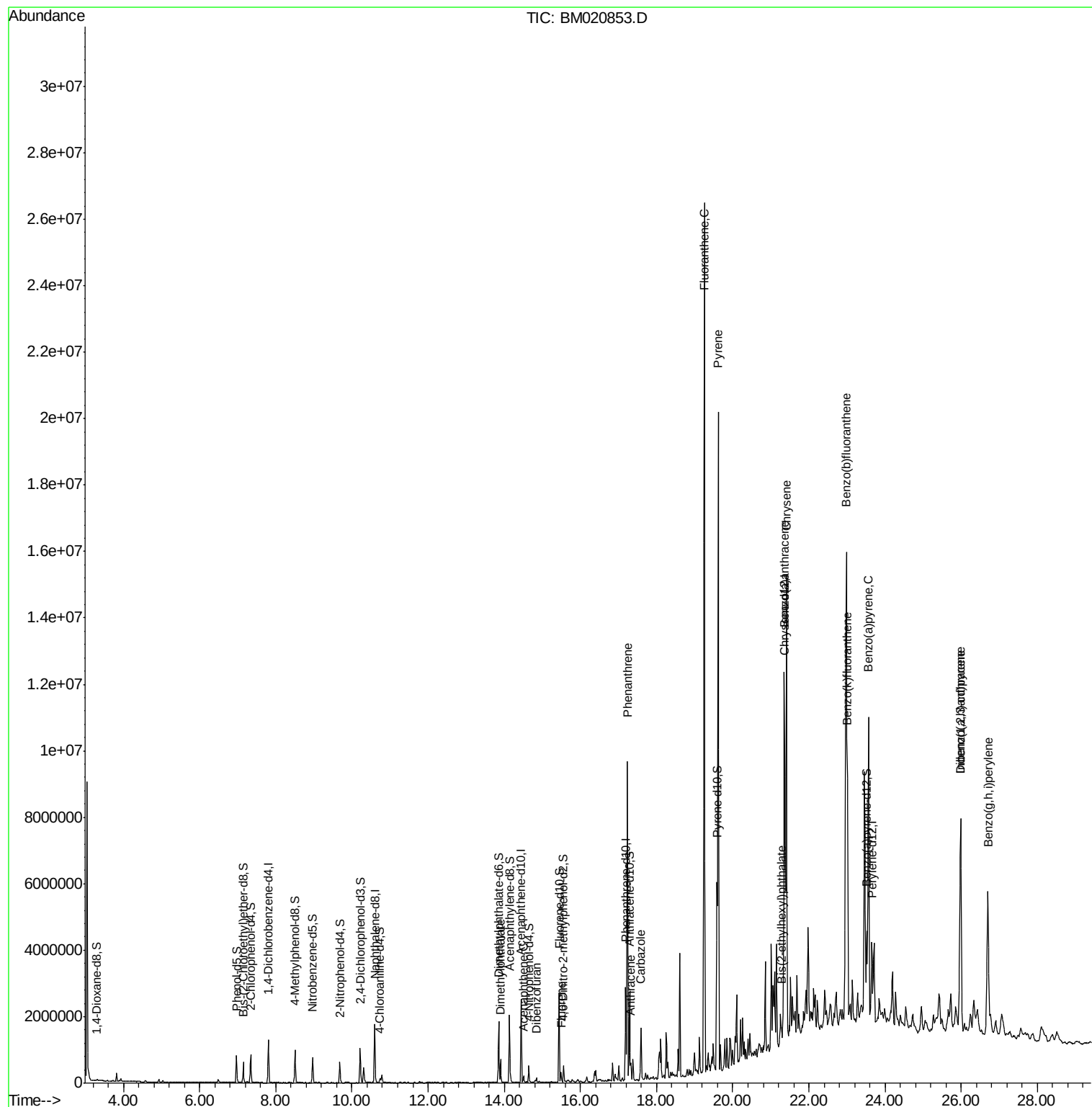
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
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ALS Vial : 26 Sample Multiplier: 1

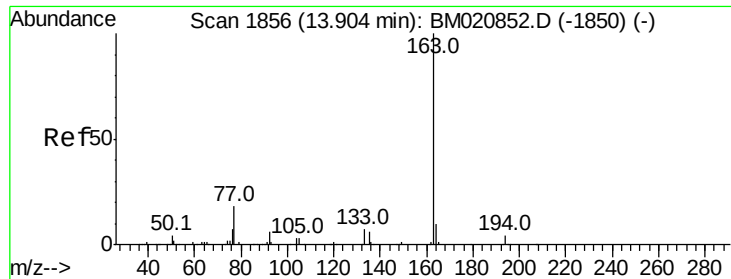
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
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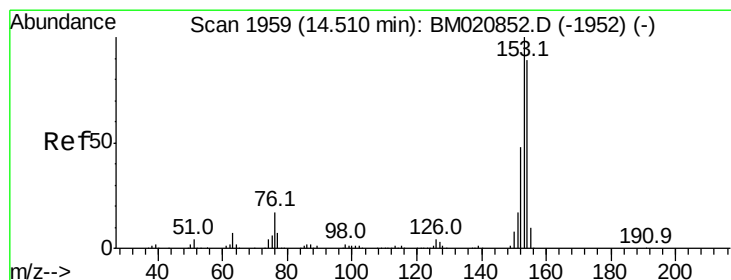
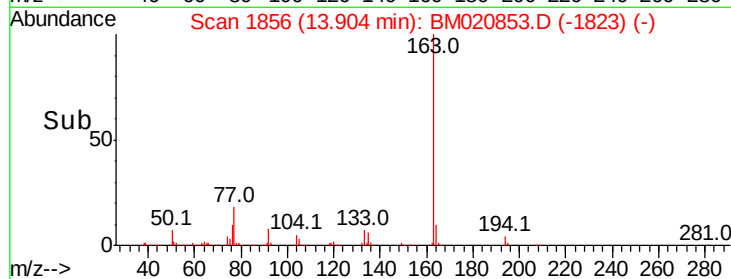
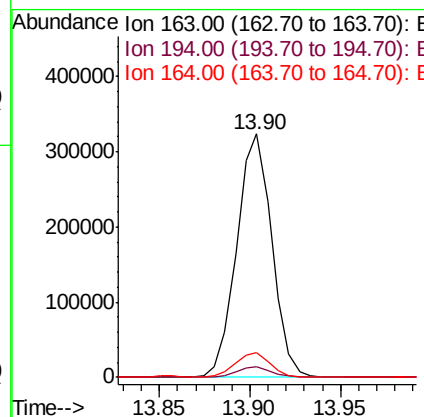
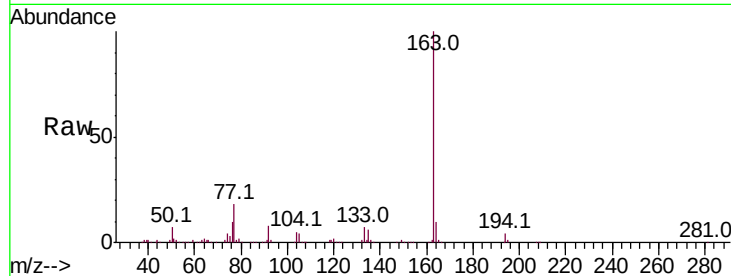
#44
Dimethylphthalate
Concen: 7.380 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Instrument :
BNA_M
ClientSampleId :
A51E9

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.0	12.0

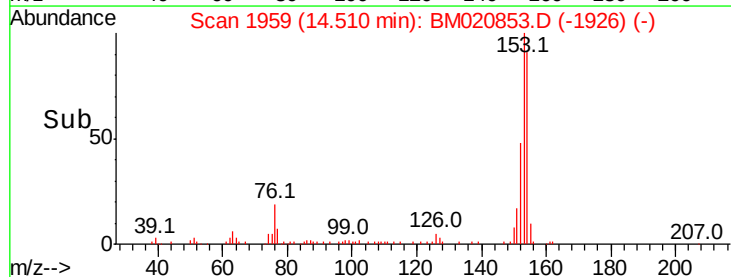
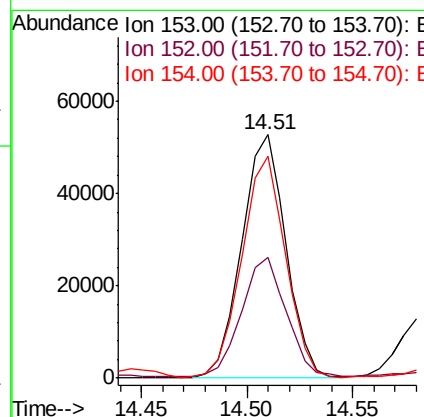
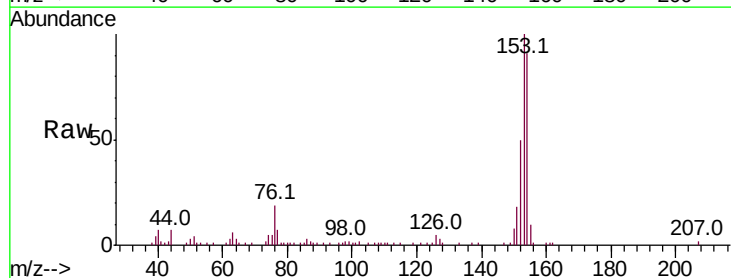
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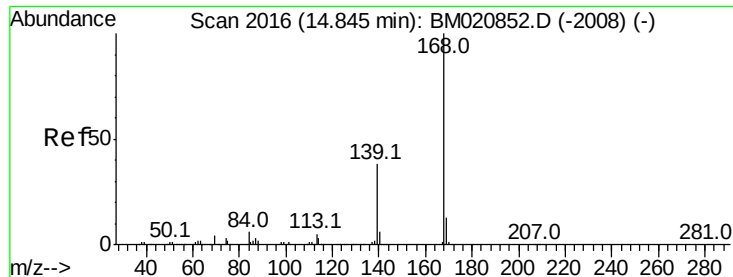
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#49
Acenaphthene
Concen: 1.523 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.6	37.3	55.9
154	90.9	68.7	103.1





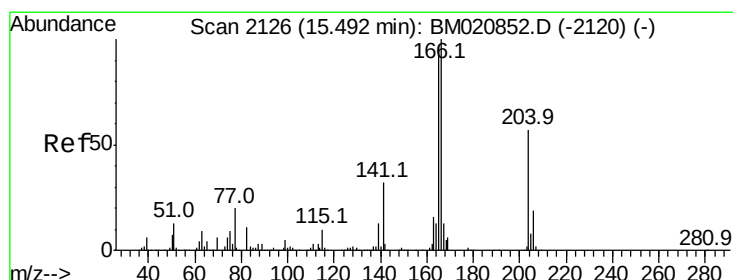
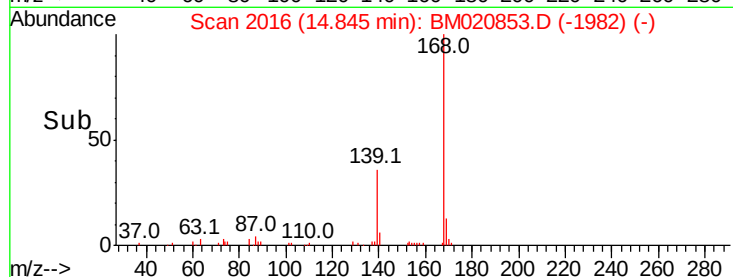
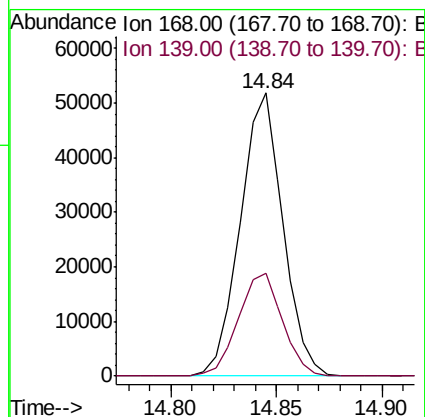
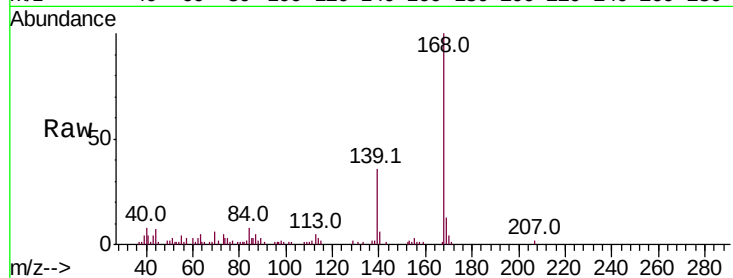
#53
Dibenzenofuran
Concen: 1.018 ng/ul
RT: 14.84 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Instrument :
BNA_M
ClientSampled :
A51E9

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.4	45.6

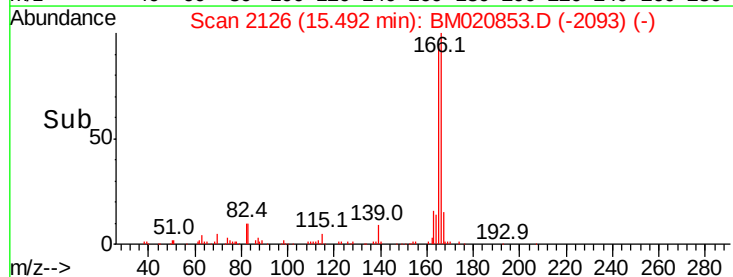
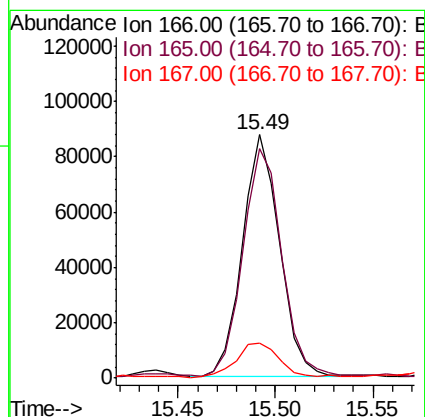
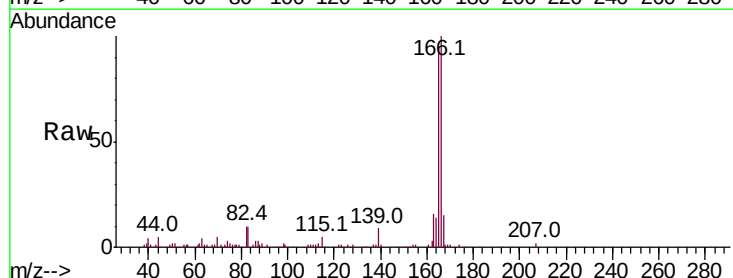
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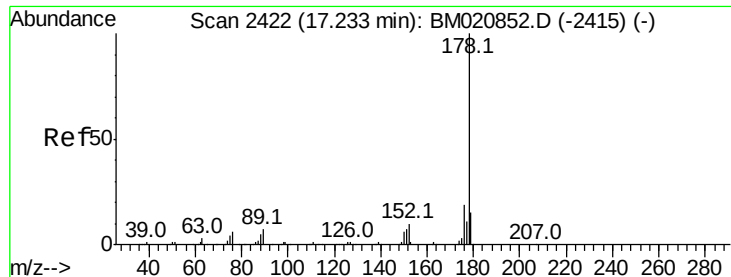
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#58
Fluorene
Concen: 2.026 ng/ul
RT: 15.49 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	78.6	117.8
167	14.5	10.8	16.2





#69

Phenanthrene

Concen: 68.884 ng/ul

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM020853.D

Acq: 11 Jun 2019 02:01

Instrument :

BNA_M

ClientSampled :

A51E9

Tot Ion:178 Resp: 5876278

Ion Ratio Lower Upper

178 100

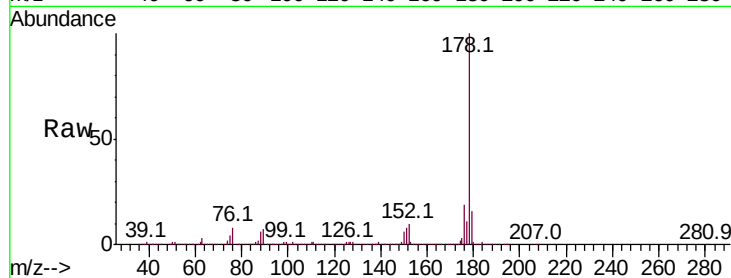
179 15.7 12.3 18.5

176 19.2 14.8 22.2

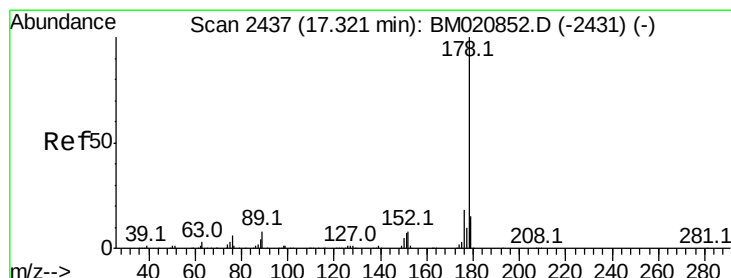
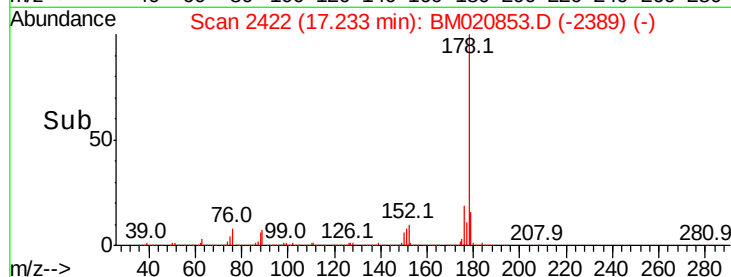
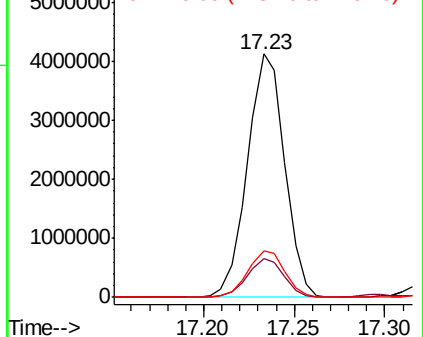
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.321 ng/ul

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM020853.D

Acq: 11 Jun 2019 02:01

Tgt Ion:178 Resp: 377855

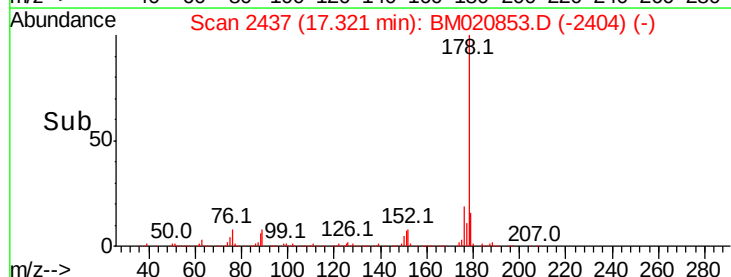
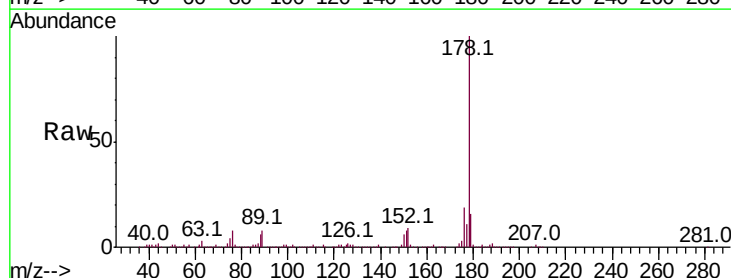
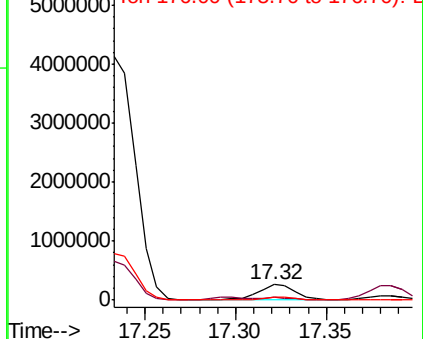
Ion Ratio Lower Upper

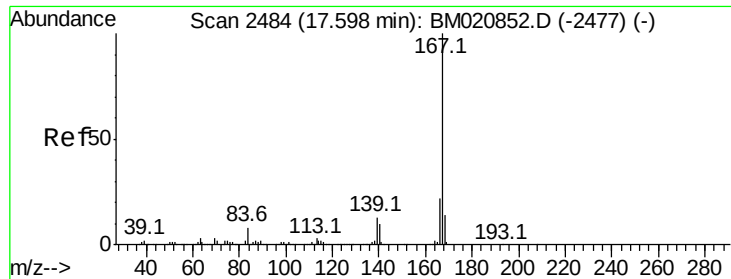
178 100

179 15.9 12.1 18.1

176 18.8 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





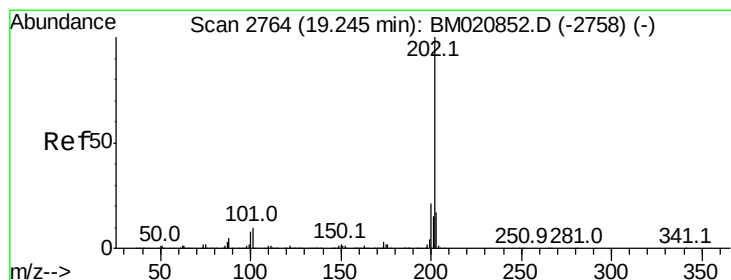
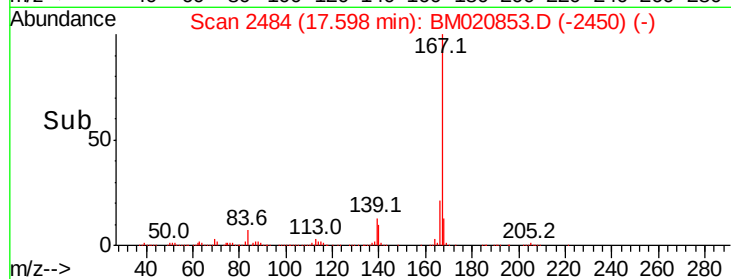
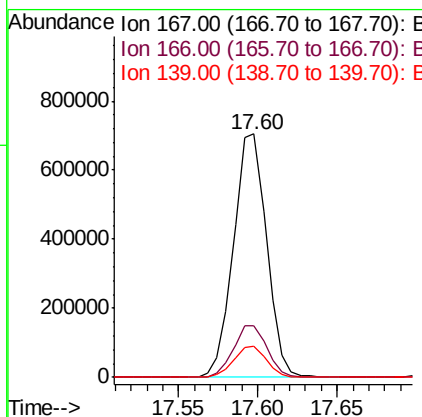
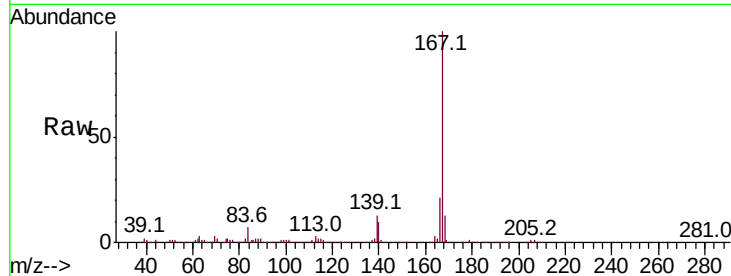
#74
 Carbazole
 Concen: 13.417 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020853.D
 Acq: 11 Jun 2019 02:01

Instrument :
 BNA_M
 ClientSampleId :
 A51E9

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.7	10.5	15.7

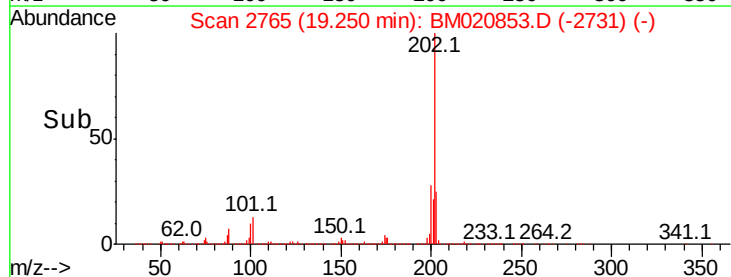
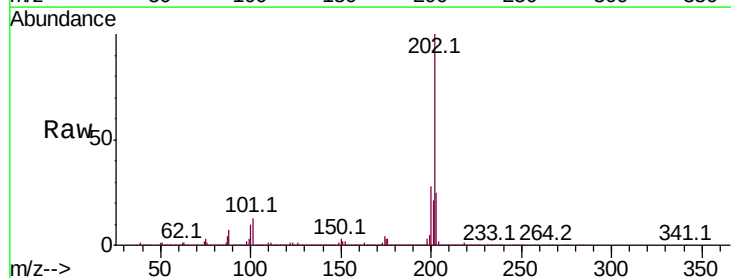
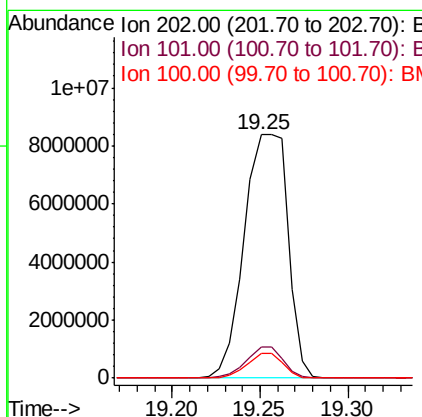
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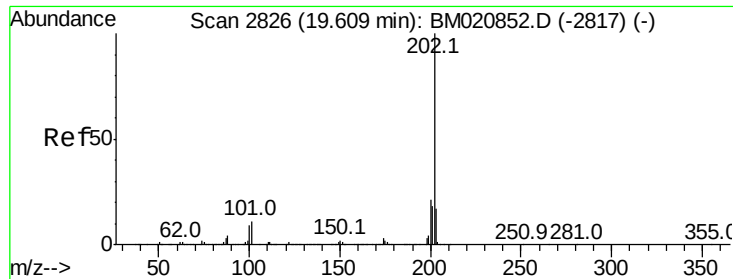
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#76
 Fluoranthene
 Concen: 146.716 ng/ul m
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: BM020853.D
 Acq: 11 Jun 2019 02:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	7.9	11.9#
100	9.9	6.2	9.4#





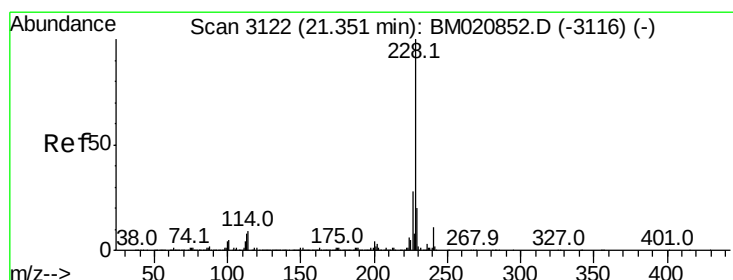
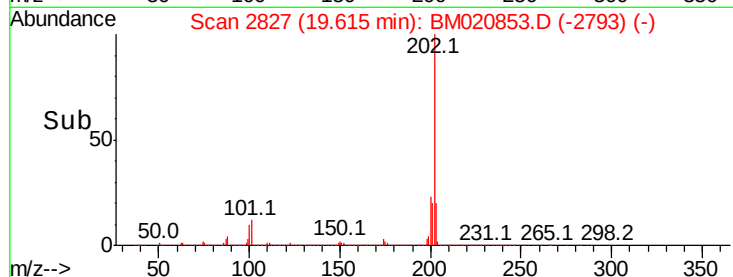
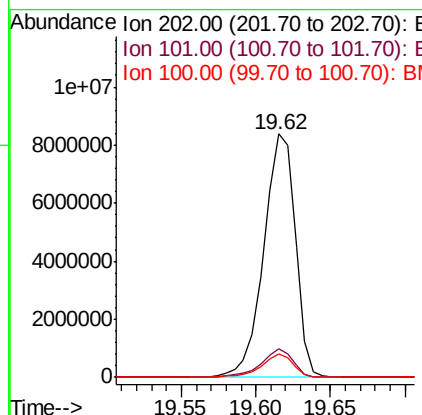
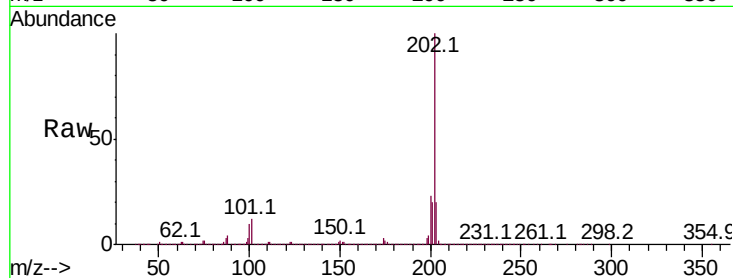
#79
Pvrene
Concen: 128.547 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Instrument :
BNA_M
ClientSampleId :
A51E9

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.6
100	9.6	8.0	12.0

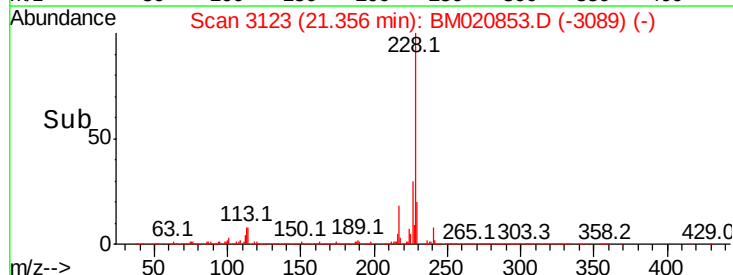
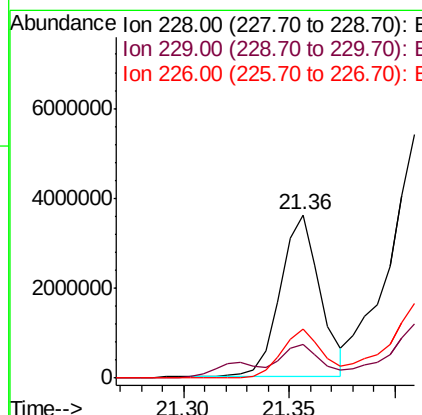
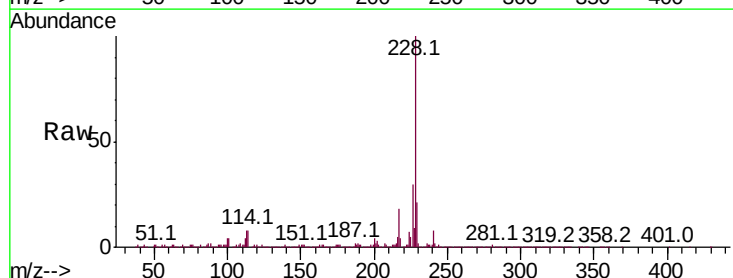
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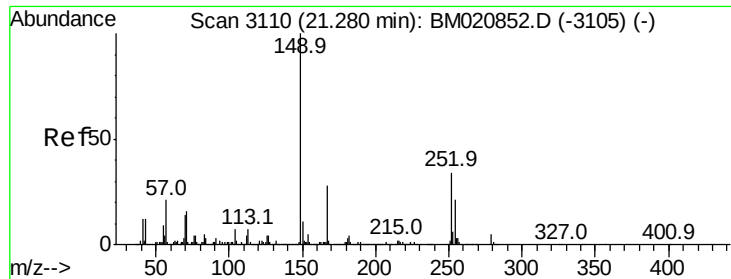
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#82
Benzo(a)anthracene
Concen: 49.214 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.6	23.4
226	29.7	21.4	32.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.684 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BM020853.D

Acq: 11 Jun 2019 02:01

Instrument :

BNA_M

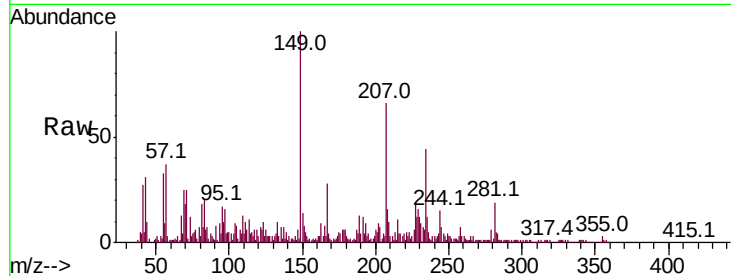
ClientSampled :

A51E9

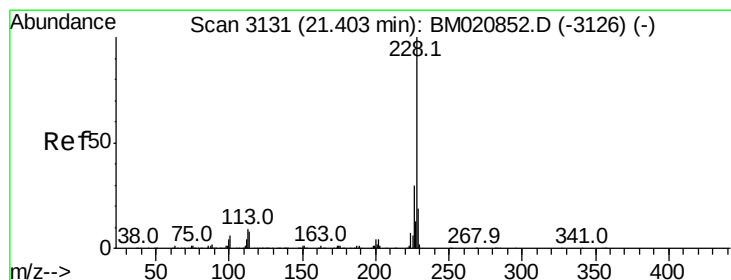
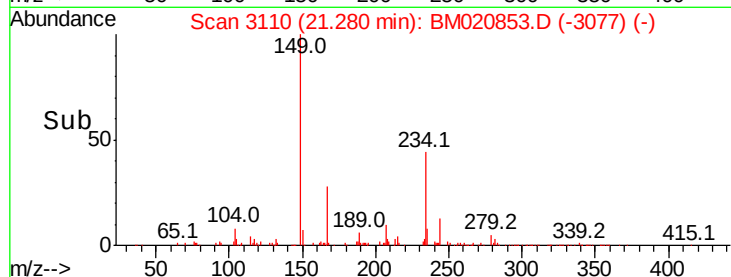
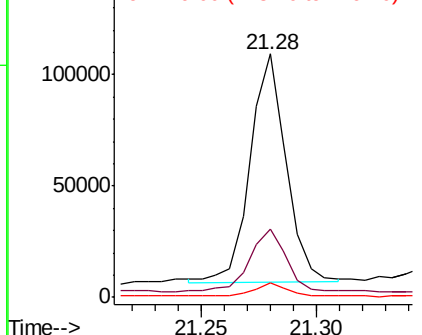
Tot Ion:	149	Resp:	110891
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.9	32.9
279	5.7	4.1	6.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 88.698 ng/ul

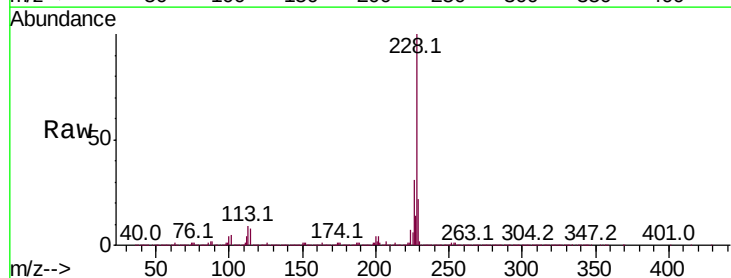
RT: 21.41 min Scan# 3132

Delta R.T. 0.00 min

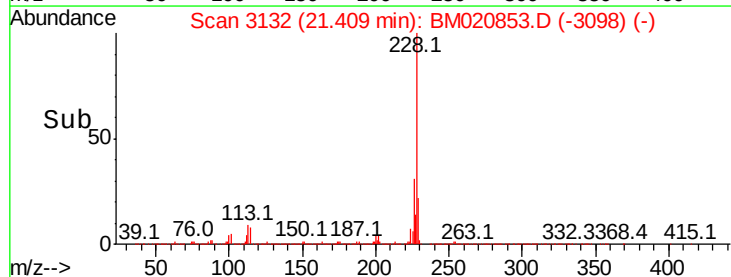
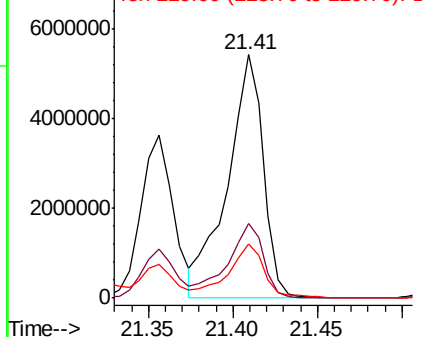
Lab File: BM020853.D

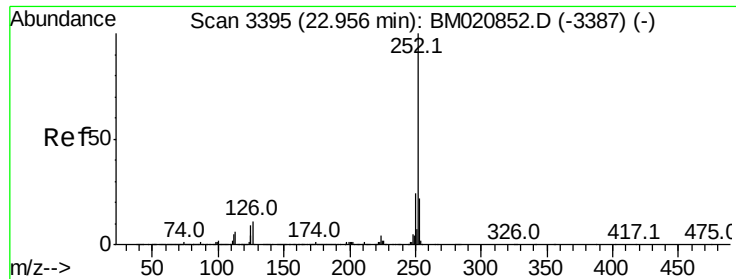
Acq: 11 Jun 2019 02:01

Tgt Ion:	228	Resp:	7968685
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	22.1	16.2	24.2



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





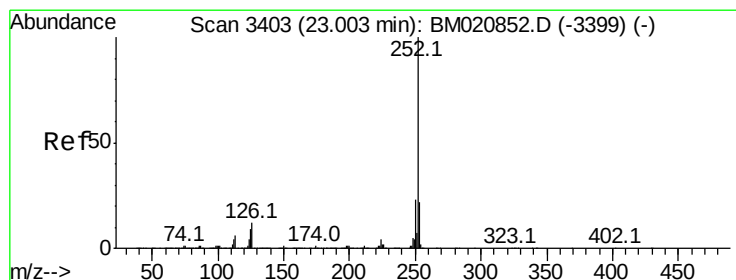
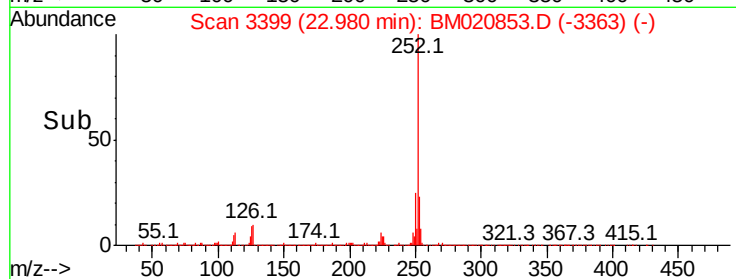
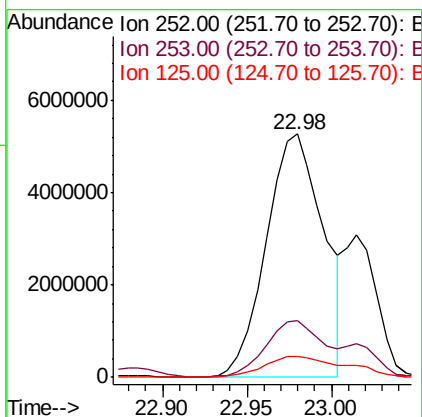
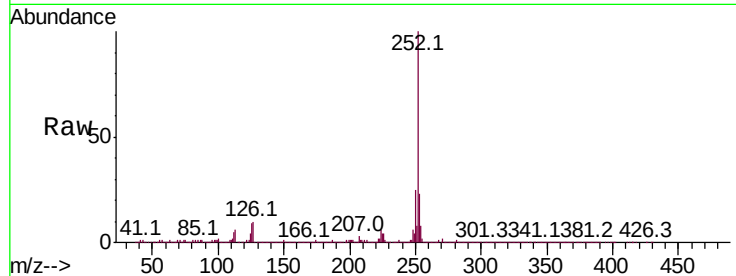
#87
Benzo(b)fluoranthene
Concen: 118.143 ng/ul
RT: 22.98 min Scan# 3399
Delta R.T. 0.01 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Instrument :
BNA_M
ClientSampleId :
A51E9

Tot Ion:252 Resp:12377067
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.7 7.3 10.9

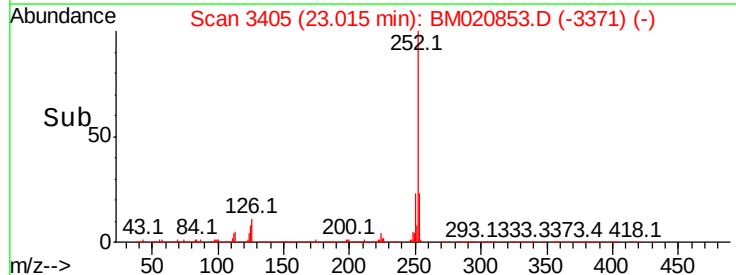
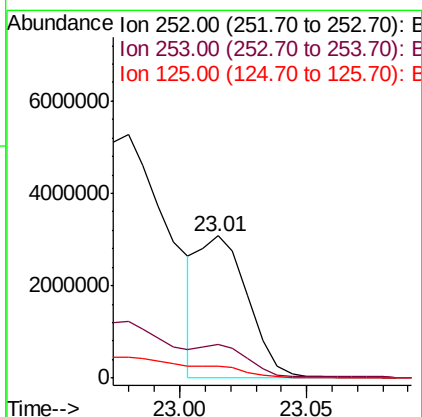
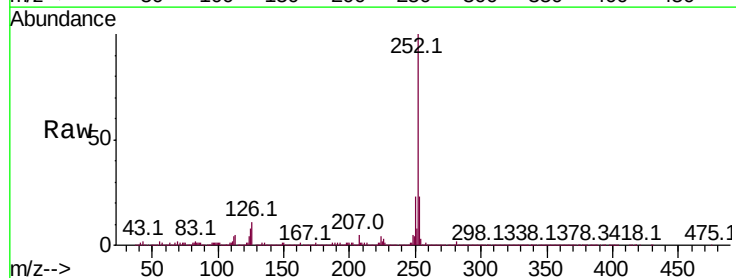
Manual Integrations
APPROVED

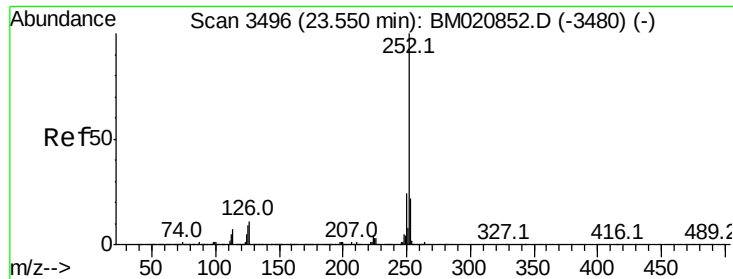
mohammad
6/12/2019 8:29:10 AM



#88
Benzo(k)fluoranthene
Concen: 40.543 ng/ul
RT: 23.01 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Tgt Ion:252 Resp: 4059769
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 8.5 7.3 10.9





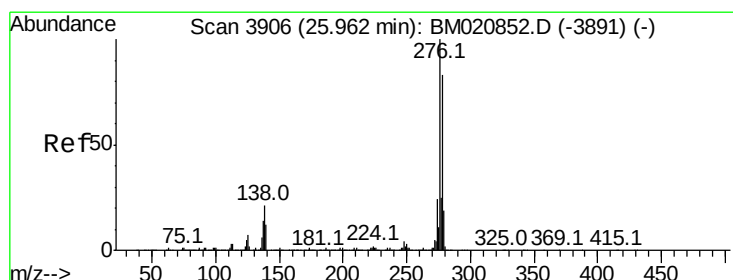
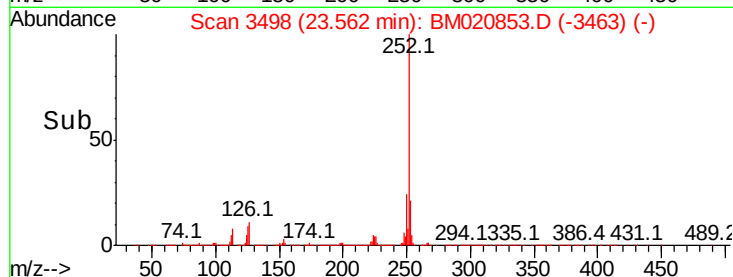
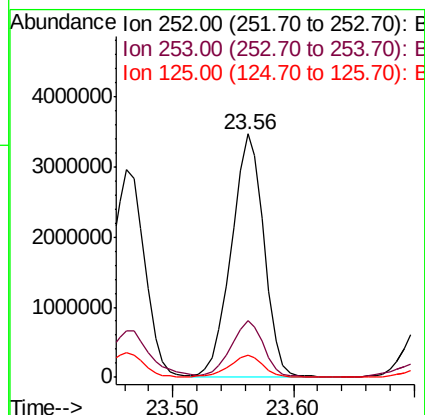
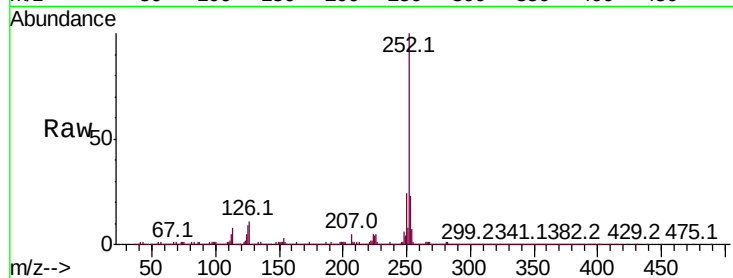
#90
Benzo(a)pyrene
Concen: 64.607 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Instrument :
BNA_M
ClientSampleId :
A51E9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	9.2	8.2	12.4

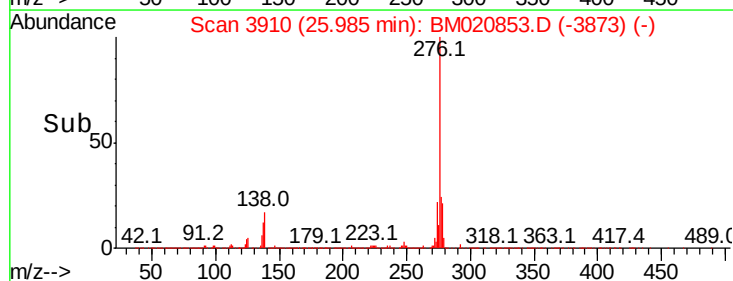
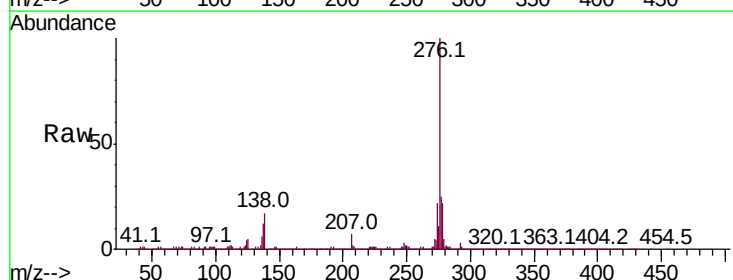
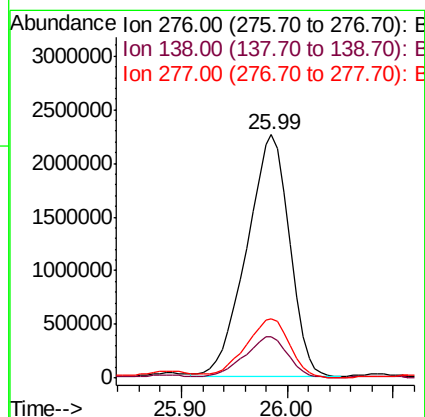
Manual Integrations
APPROVED

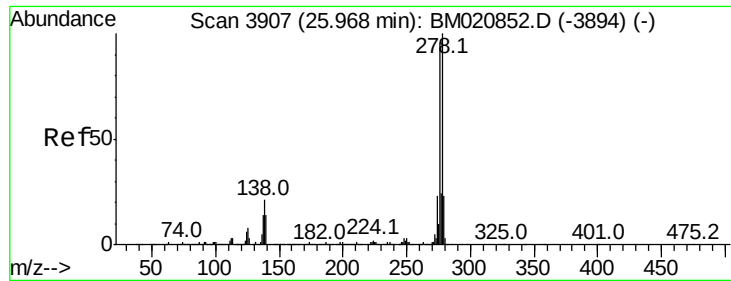
mohammad
6/12/2019 8:29:10 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 54.175 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BM020853.D
Acq: 11 Jun 2019 02:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.8	26.8#
277	24.5	20.0	30.0





#92

Dibenzo(a,h)anthracene

Concen: 13.992 ng/ul

RT: 25.99 min Scan# 3910

Delta R.T. 0.00 min

Lab File: BM020853.D

Acq: 11 Jun 2019 02:01

Instrument :

BNA_M

ClientSampleId :

A51E9

Tot Ion:278 Resp: 1395655

Ion Ratio Lower Upper

278 100

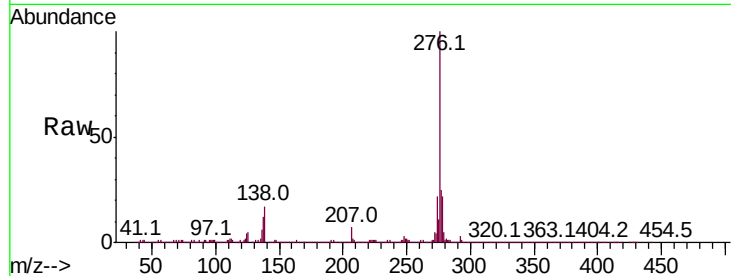
139 0.0 11.6 17.4#

279 25.2 18.6 28.0

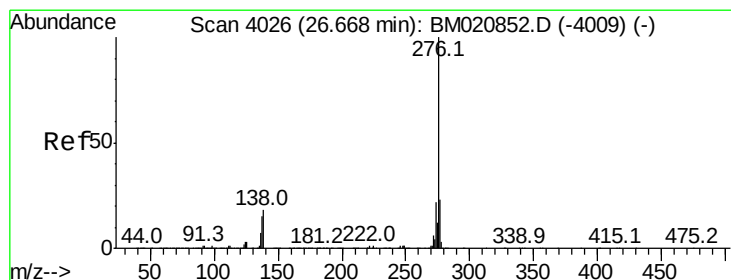
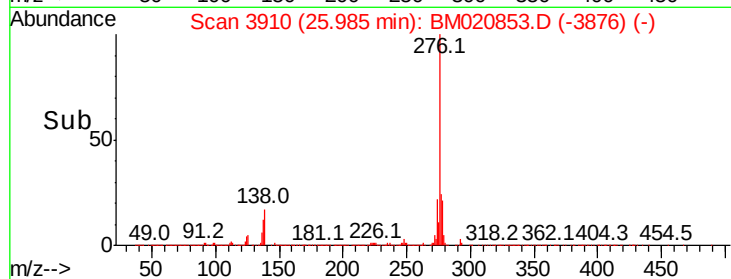
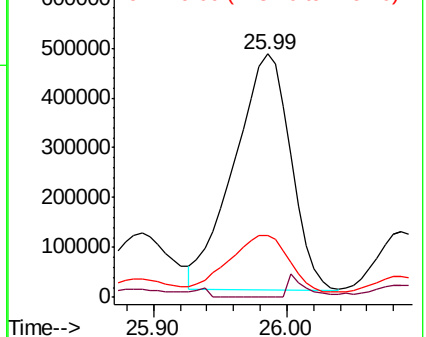
Manual Integrations
APPROVED

mohammad

6/12/2019 8:29:10 AM



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: 58.755 ng/ul

RT: 26.70 min Scan# 4032

Delta R.T. 0.02 min

Lab File: BM020853.D

Acq: 11 Jun 2019 02:01

Tgt Ion:276 Resp: 5611418

Ion Ratio Lower Upper

276 100

138 17.9 16.6 25.0

277 24.3 19.6 29.4

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

