

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020788.D
 Acq On : 07 Jun 2019 06:02
 Operator : HP/JU
 Sample : K3201-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:15:06 PM

Quant Time: Jun 07 07:01:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 07 06:35:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	337566	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1351162	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	761264	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1631705	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1624707	20.00	ng/ul	0.01
85) Perylene-d12	23.67	264	1897033	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	46056	6.50	ng/uL	0.00
5) Phenol-d5	6.97	99	715077	27.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	547128	35.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	692947	33.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	369672	17.79	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	369460	40.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	414152	43.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	706959	35.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	598043	25.08	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	2241857	39.81	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2786234	39.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	260299	26.94	ng/ul	0.00
57) Fluorene-d10	15.44	176	1862122	38.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	149457	17.91	ng/ul	0.00
70) Anthracene-d10	17.30	188	2779583	39.00	ng/ul	0.00
78) Pyrene-d10	19.59	212	2944538	37.49	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	3205360	37.18	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.00	94	31481	1.184	ng/ul	99
14) Acetophenone	8.64	105	35935	1.119	ng/ul	99
28) Naphthalene	10.65	128	414640	6.534	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	251966	5.406	ng/ul	98
40) 1,1'-Biphenyl	13.28	154	110578	1.872	ng/ul	96
44) Dimethylphthalate	13.91	163	1003370	17.795	ng/ul	100
47) Acenaphthylene	14.17	152	317466	4.596	ng/ul#	96
49) Acenaphthene	14.52	153	1284733	26.642	ng/ul	99
53) Dibenzofuran	14.85	168	1054675	15.462	ng/ul	99
58) Fluorene	15.50	166	1242632	22.692	ng/ul	99
69) Phenanthrene	17.24	178	15282419m	186.099	ng/ul	
71) Anthracene	17.33	178	4370731	51.924	ng/ul	100
74) Carbazole	17.60	167	1686354	23.037	ng/ul	99
76) Fluoranthene	19.26	202	15573298m	165.484	ng/ul	
79) Pyrene	19.62	202	15032839	149.893	ng/ul#	94
82) Benzo(a)anthracene	21.36	228	9450962	93.249	ng/ul	94
83) Bis(2-ethylhexyl)phthalate	21.28	149	92871	1.347	ng/ul	93
84) Chrysene	21.41	228	8379861m	89.105	ng/ul	
87) Benzo(b)fluoranthene	22.99	252	9666375	87.592	ng/ul	97
88) Benzo(k)fluoranthene	23.02	252	3691382m	34.996	ng/ul	
90) Benzo(a)pyrene	23.57	252	7569819	72.100	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.99	276	4353564	35.108	ng/ul	97
92) Dibenzo(a,h)anthracene	25.99	278	1303312	12.404	ng/ul#	92

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 07 06:35:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.70	276	3309277	32.894	ng/ul	98

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

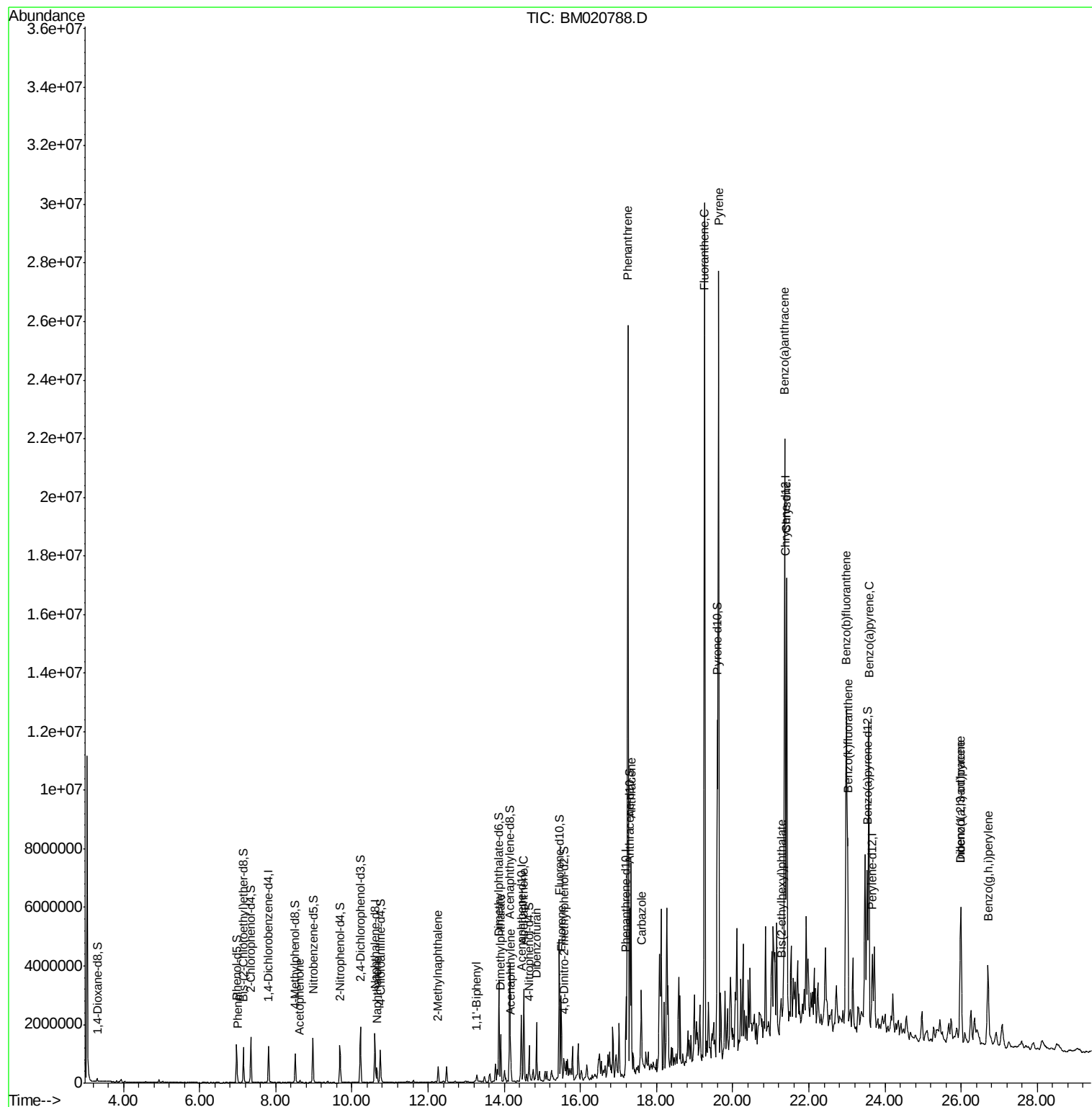
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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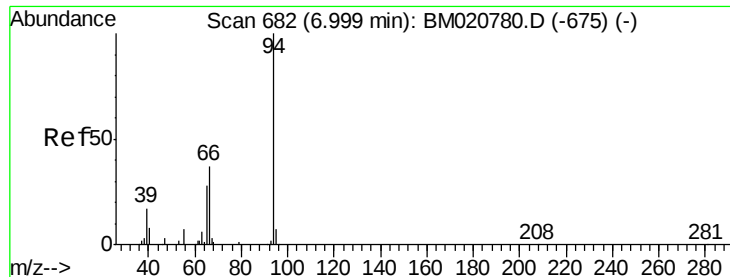
Instrument :
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#6

Phenol

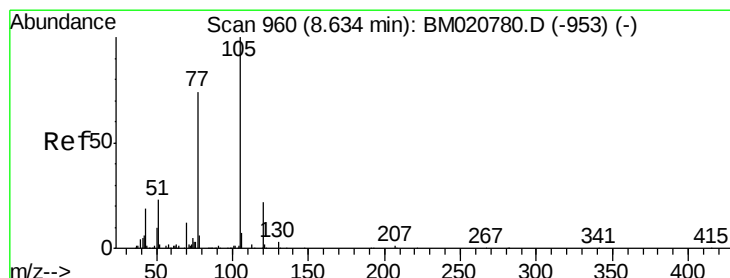
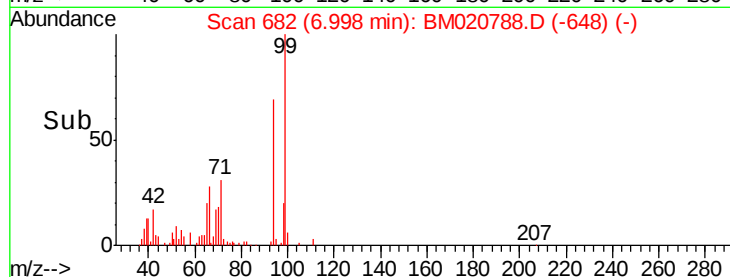
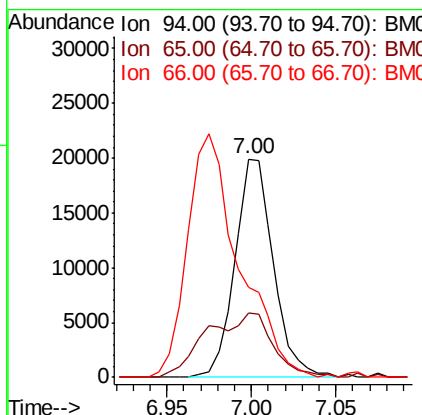
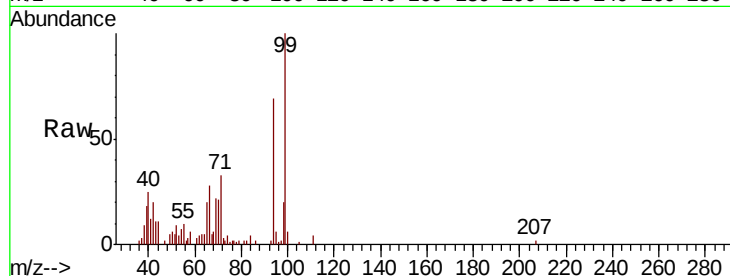
Concen: 1.184 ng/ul
 RT: 7.00 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tot Ion	Ratio	Lower	Upper
94	100		
65	29.8	23.3	34.9
66	41.0	32.1	48.1

Manual Integrations
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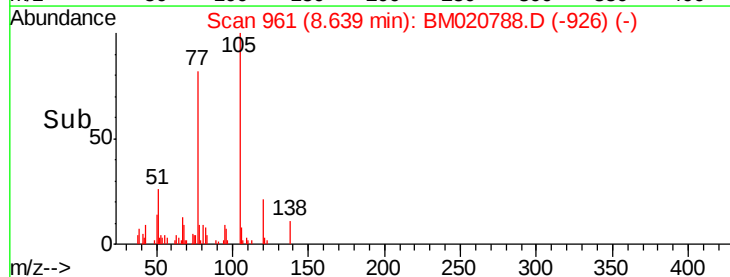
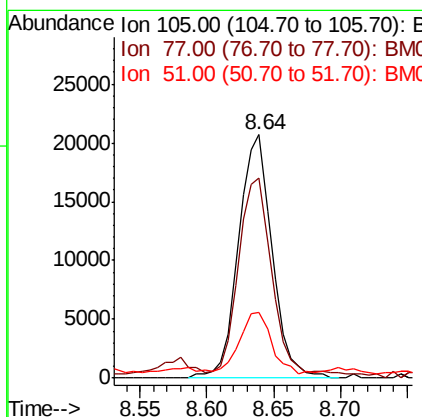
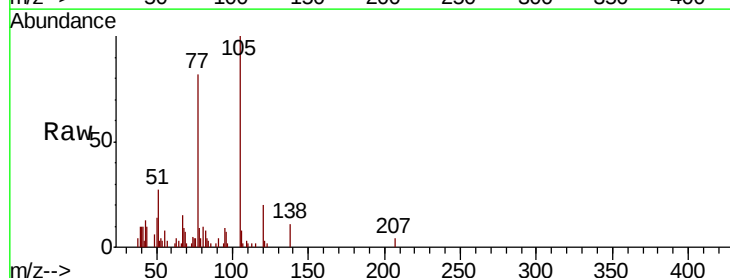


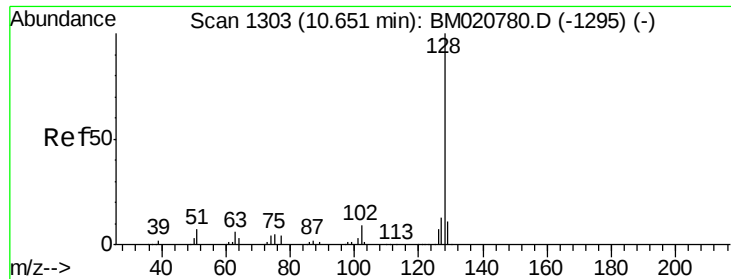
#14

Acetophenone

Concen: 1.119 ng/ul
 RT: 8.64 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion	Ratio	Lower	Upper
105	100		
77	82.1	64.6	97.0
51	27.2	21.4	32.2





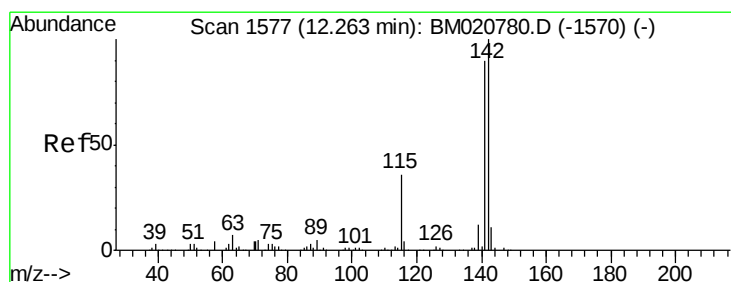
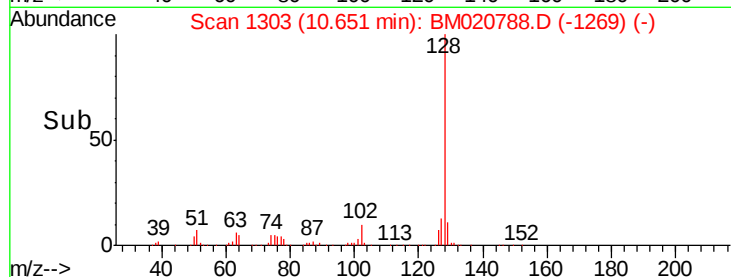
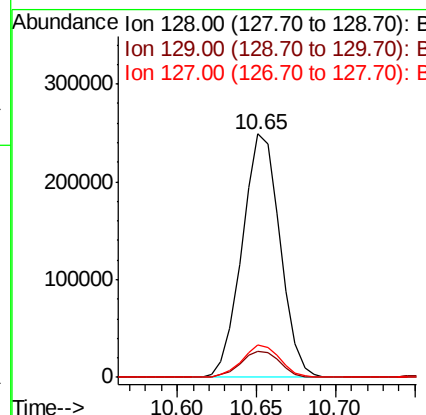
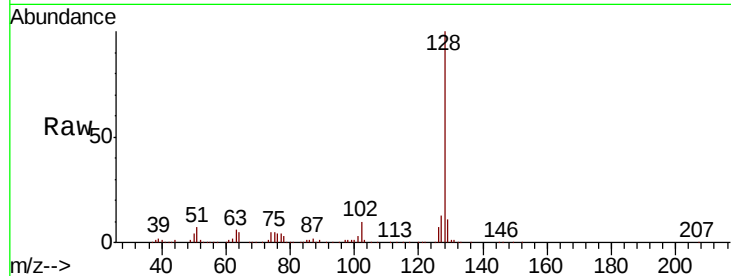
#28
Naphthalene
Concen: 6.534 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.2	15.2

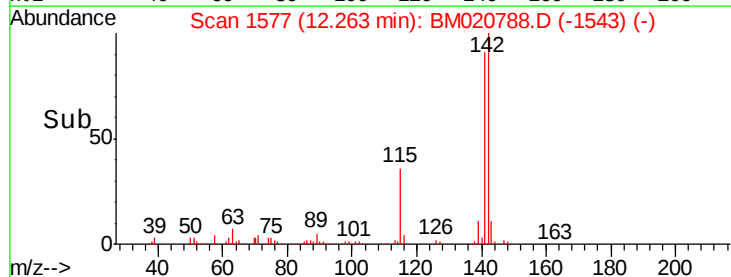
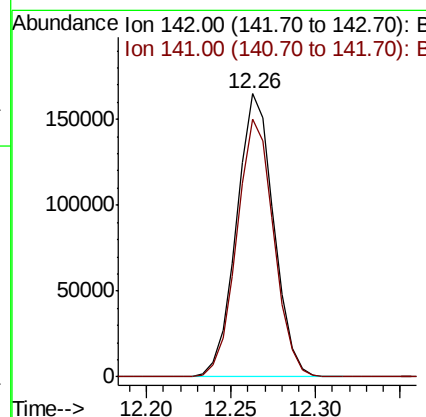
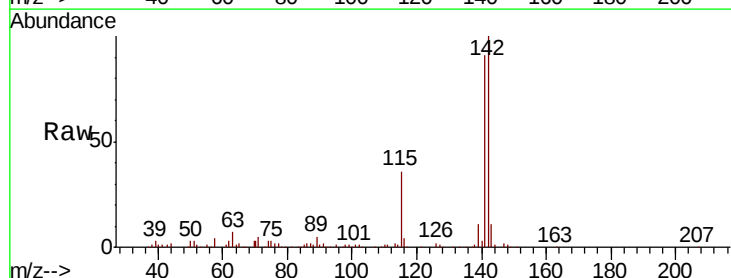
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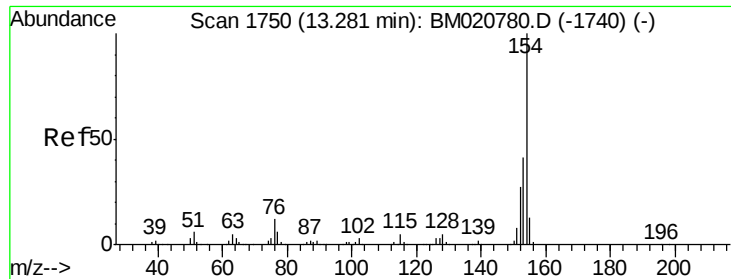
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#34
2-Methylnaphthalene
Concen: 5.406 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.0





#40

1,1'-Biphenyl

Concen: 1.872 ng/ul

RT: 13.28 min Scan# 1750

Delta R.T. -0.00 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

C0AB8

Tot Ion:154 Resp: 110578

Ion Ratio Lower Upper

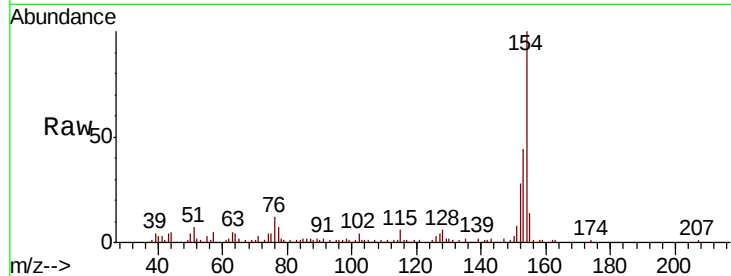
154 100

153 43.7 32.4 48.6

76 12.3 9.8 14.6

Manual Integrations
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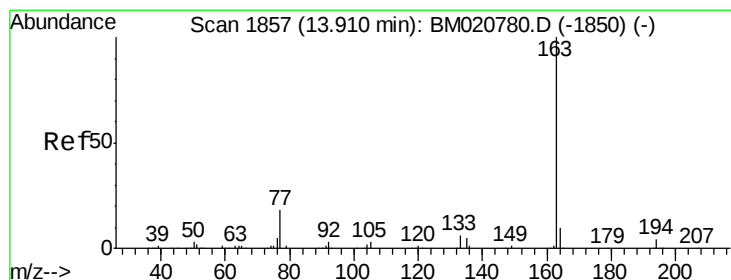
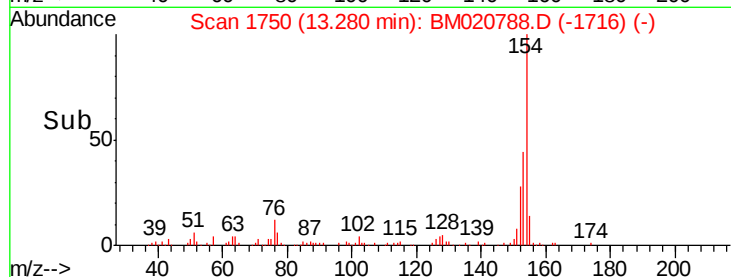
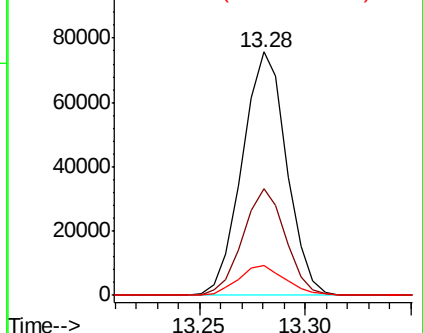
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#44

Dimethylphthalate

Concen: 17.795 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

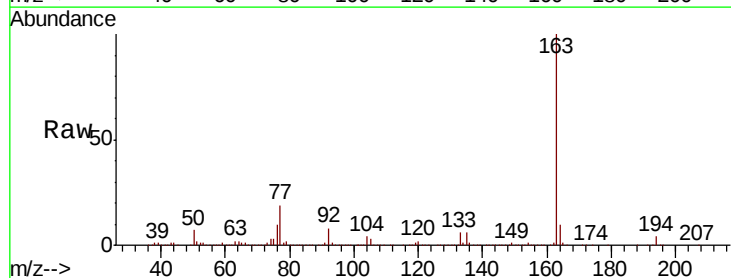
Tgt Ion:163 Resp: 1003370

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

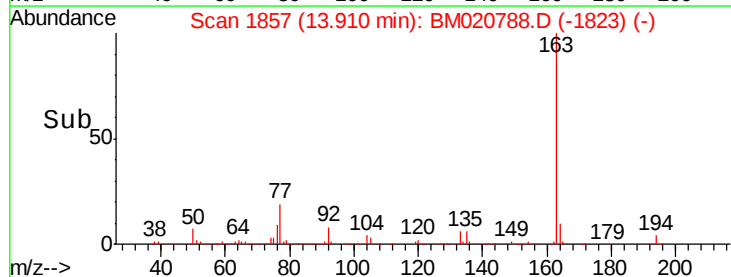
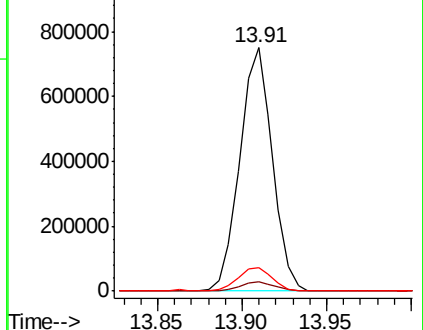
164 9.8 8.0 12.0

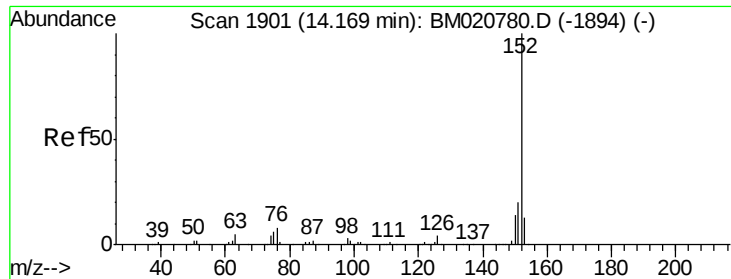


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 4.596 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

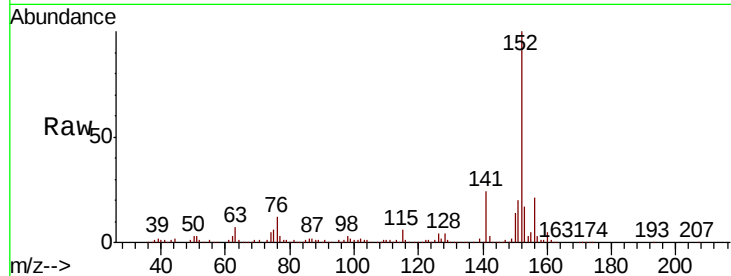
ClientSampled :

C0AB8

Tot Ion:	152	Resp:	317466
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.2	24.2
153	16.6	10.6	15.8#

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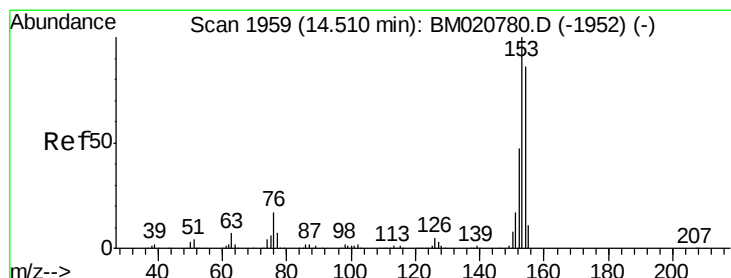
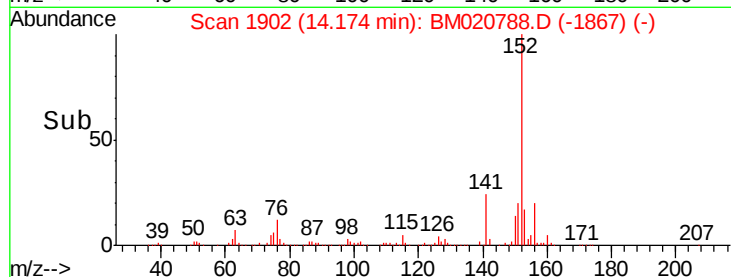
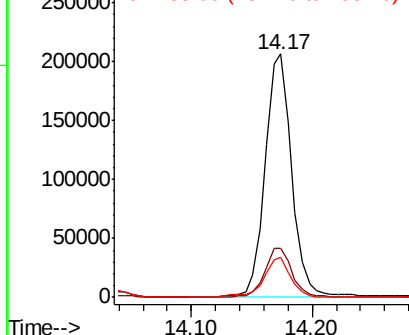


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 26.642 ng/ul

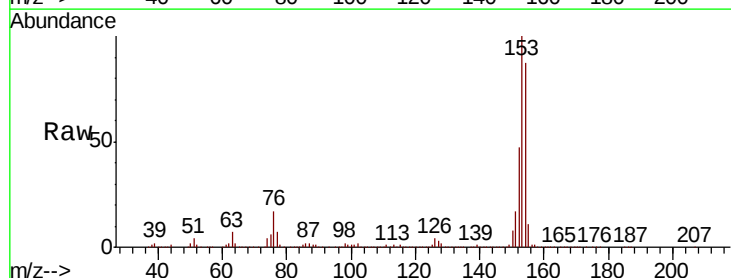
RT: 14.52 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Tgt Ion:	153	Resp:	1284733
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.3	55.9
154	86.9	68.7	103.1

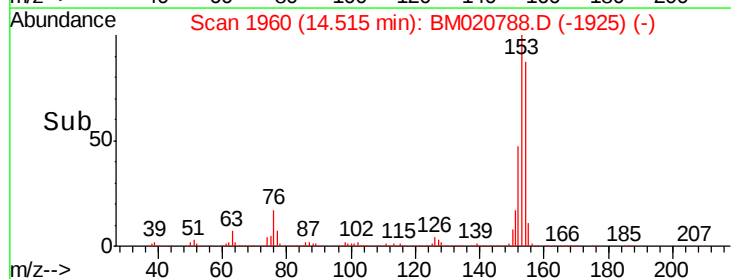
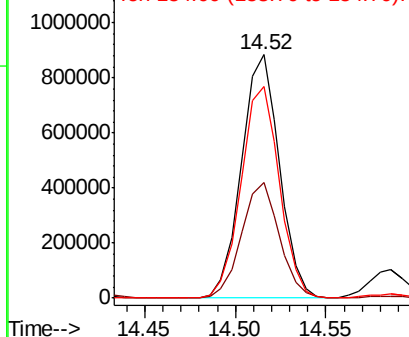


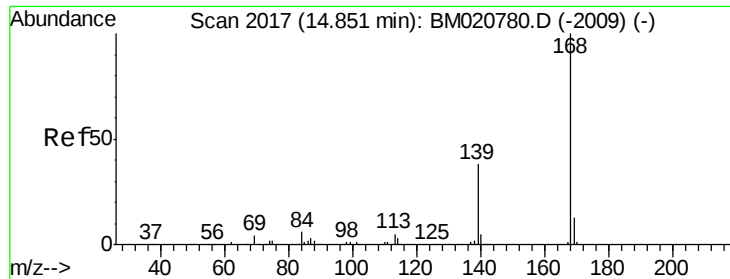
Abundance

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





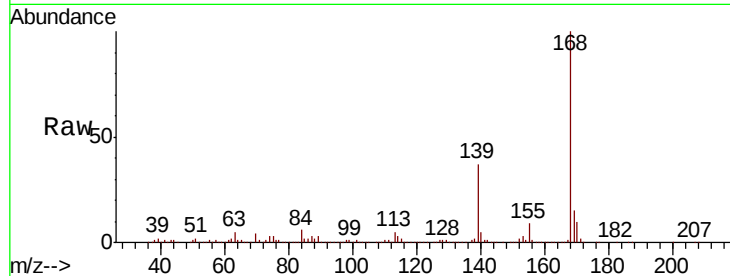
#53
Dibenzenofuran
Concen: 15.462 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

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BNA_M
ClientSampleId :
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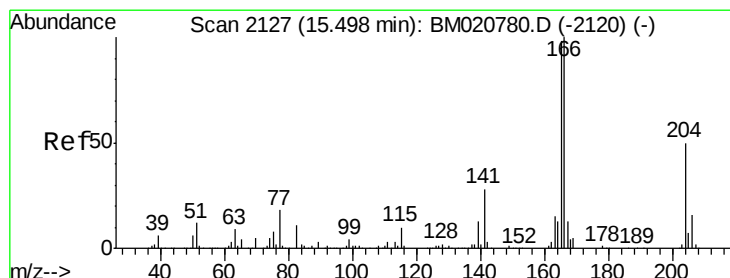
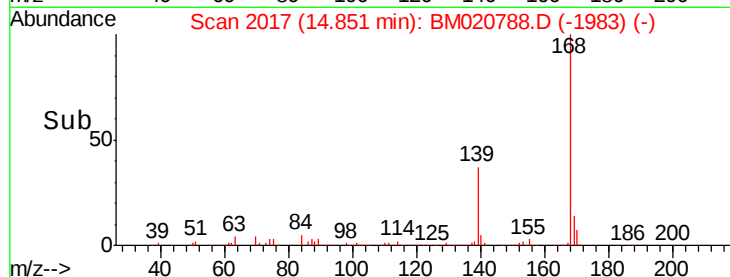
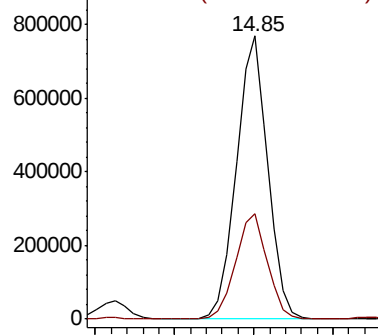
Tot Ion:168 Resp: 1054675
Ion Ratio Lower Upper
168 100
139 37.4 30.4 45.6

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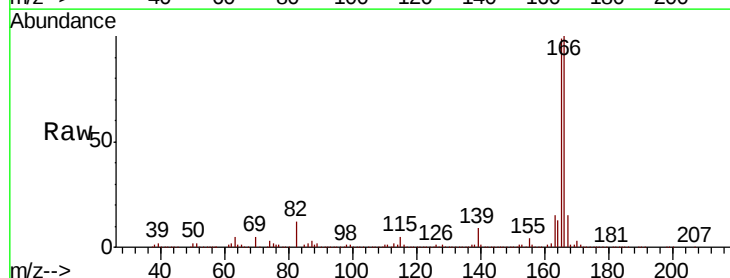


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

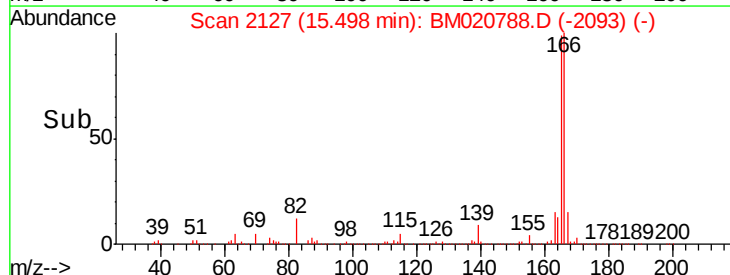
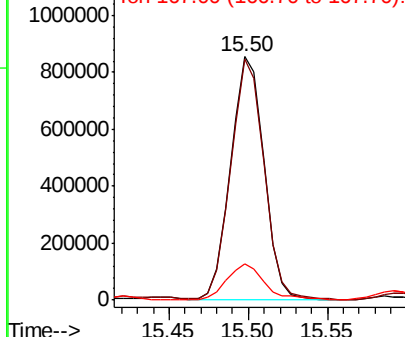


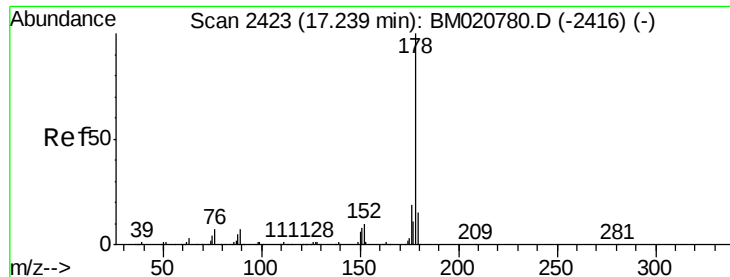
#58
Fluorene
Concen: 22.692 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion:166 Resp: 1242632
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 14.8 10.8 16.2



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





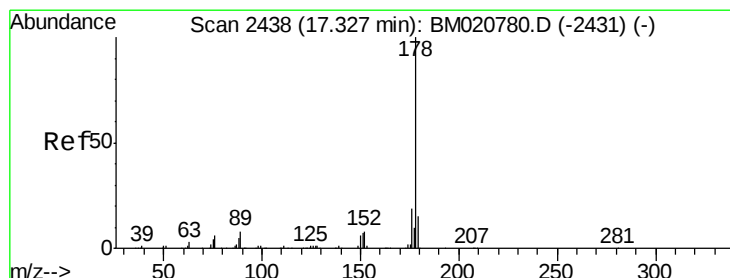
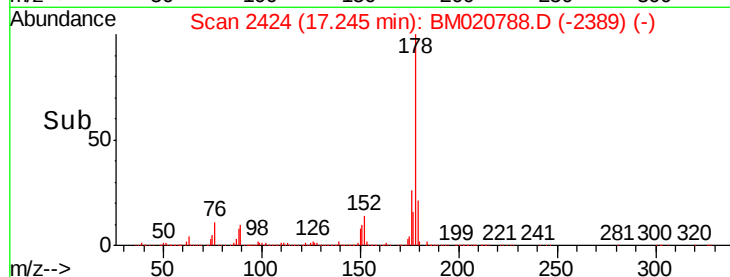
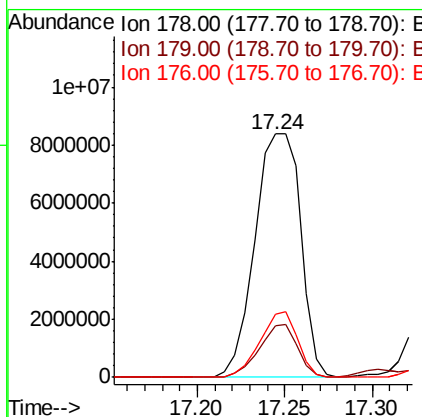
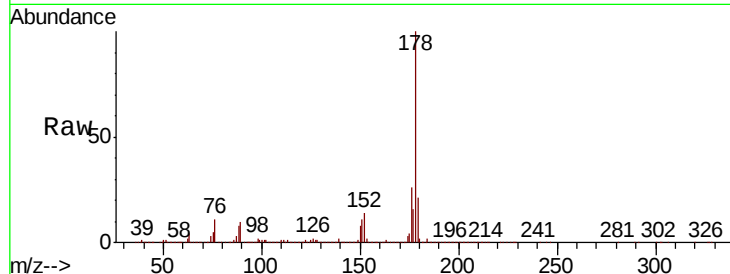
#69
 Phenanthrene
 Concen: 186.099 ng/ul m
 RT: 17.24 min Scan# 2424
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tot Ion:178 Resp:15282419
 Ion Ratio Lower Upper
 178 100
 179 21.3 12.3 18.5#
 176 26.0 14.8 22.2#

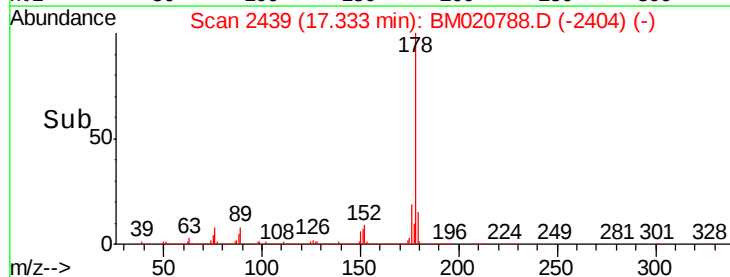
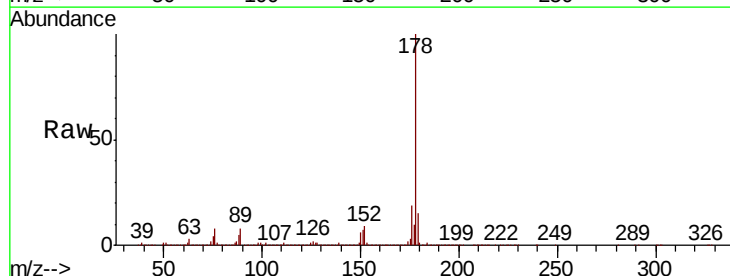
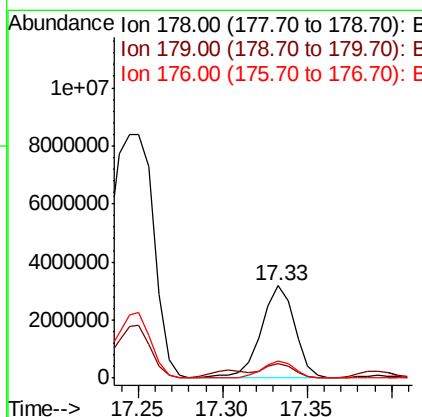
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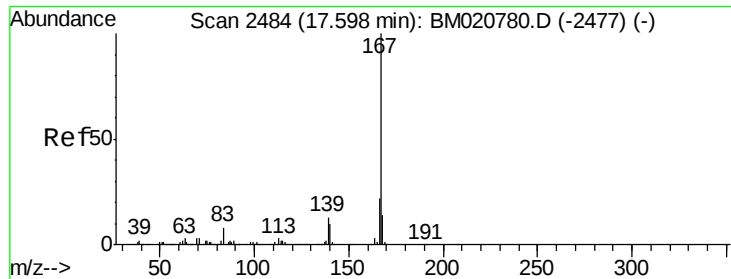
mohammad
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#71
 Anthracene
 Concen: 51.924 ng/ul
 RT: 17.33 min Scan# 2439
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion:178 Resp: 4370731
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.1 18.1
 176 18.7 14.9 22.3





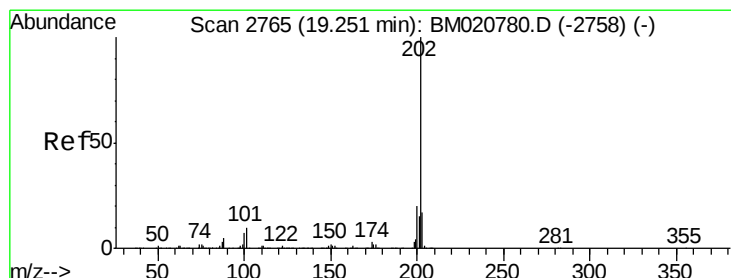
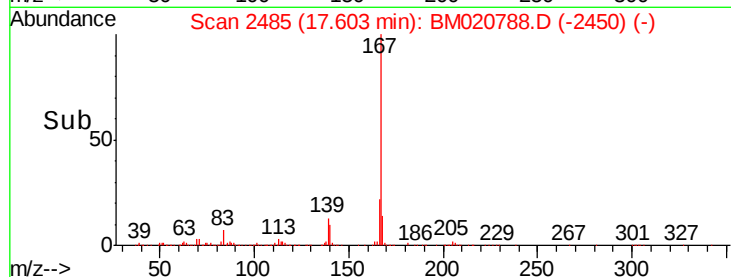
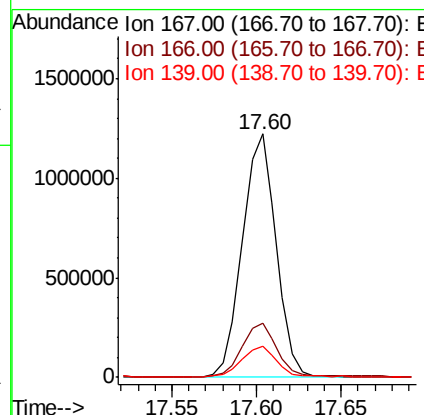
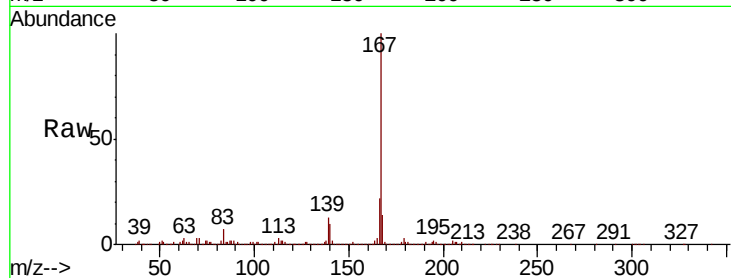
#74
 Carbazole
 Concen: 23.037 ng/ul
 RT: 17.60 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	12.9	10.5	15.7

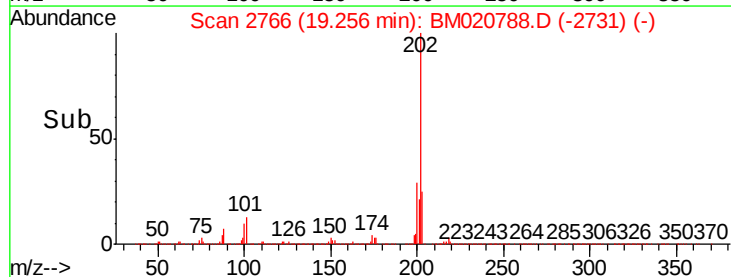
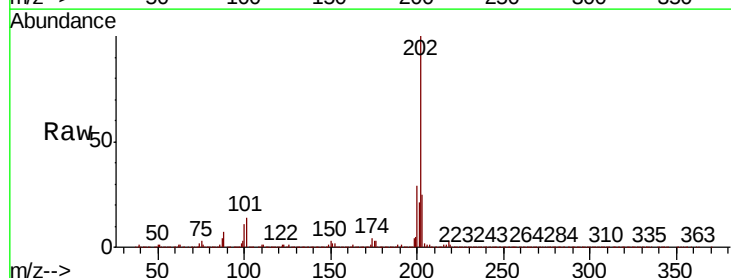
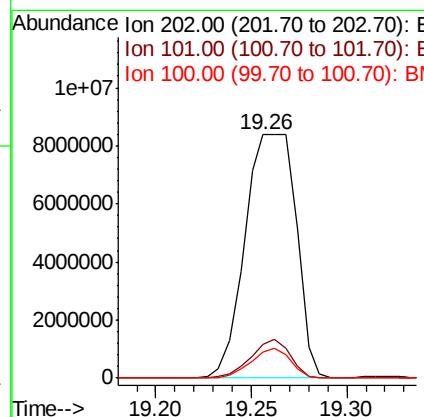
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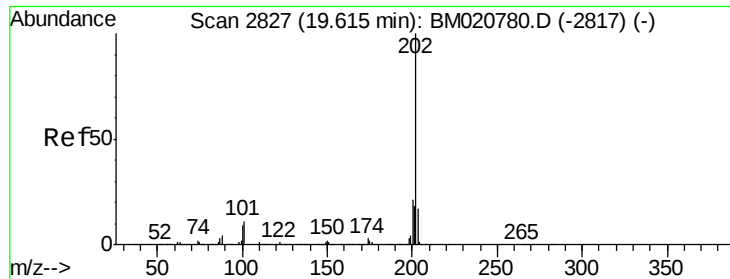
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#76
 Fluoranthene
 Concen: 165.484 ng/ul m
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	7.9	11.9#
100	10.6	6.2	9.4#





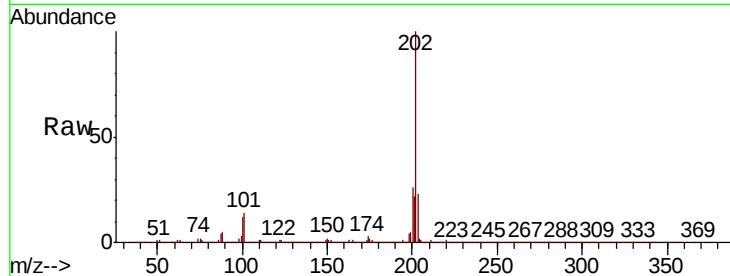
#79
Pvrene
Concen: 149.893 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.01 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Instrument :
BNA_M
ClientSampleId :
C0AB8

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	9.8	14.6
100	12.1	8.0	12.0

Manual Integrations
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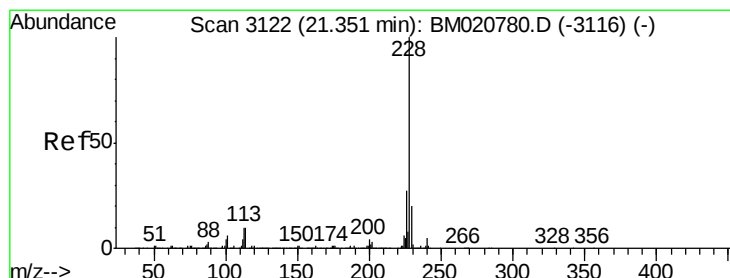
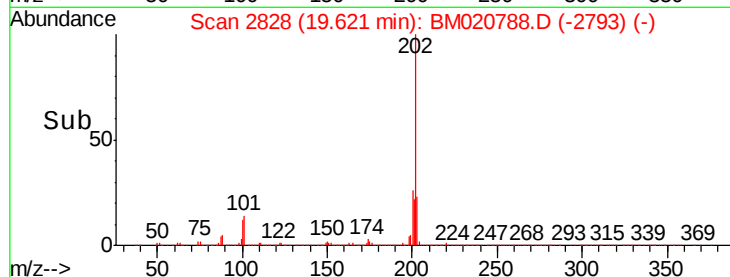
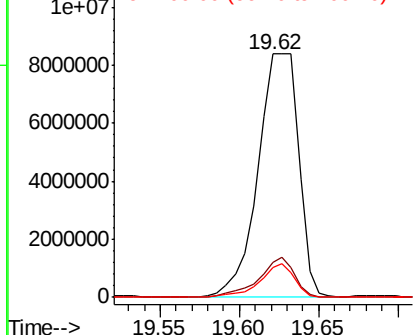


Abundance

Ion 202.00 (201.70 to 202.70): E

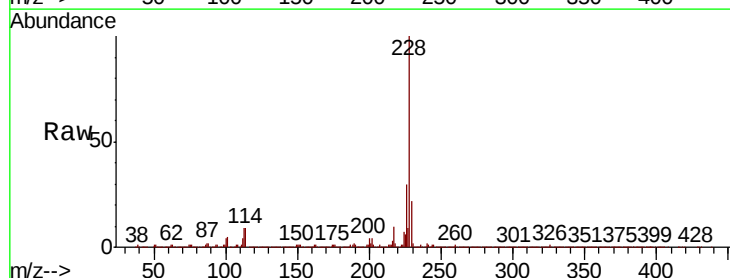
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82
Benzo(a)anthracene
Concen: 93.249 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.6	23.4
226	29.7	21.4	32.2

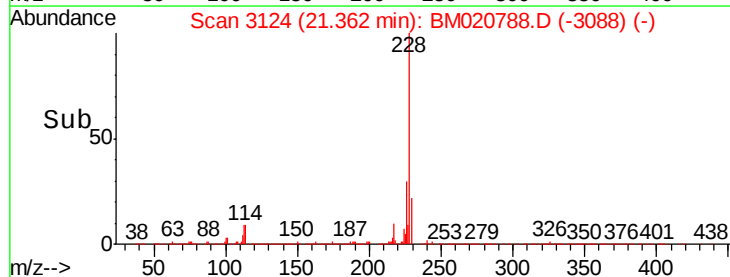
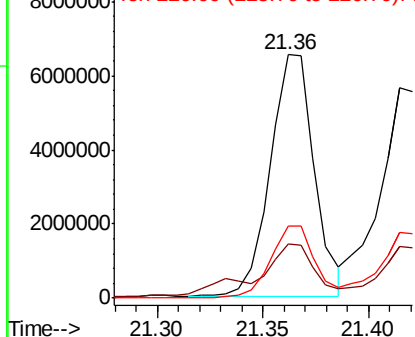


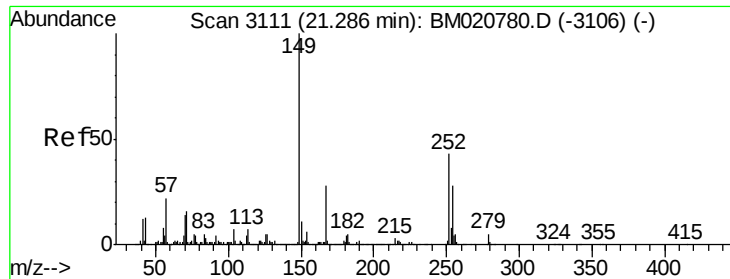
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





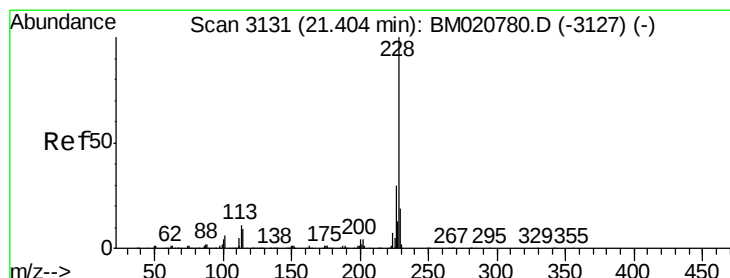
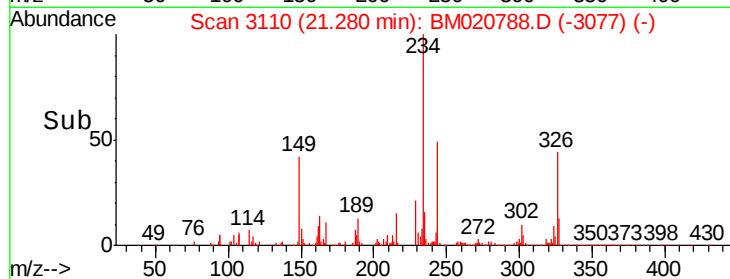
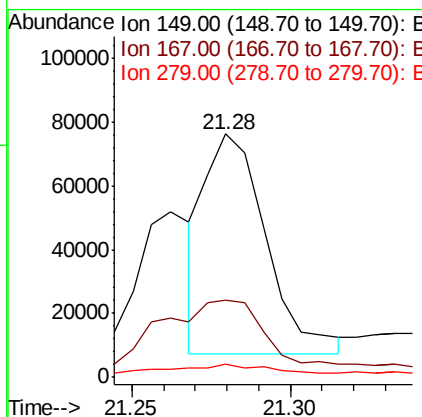
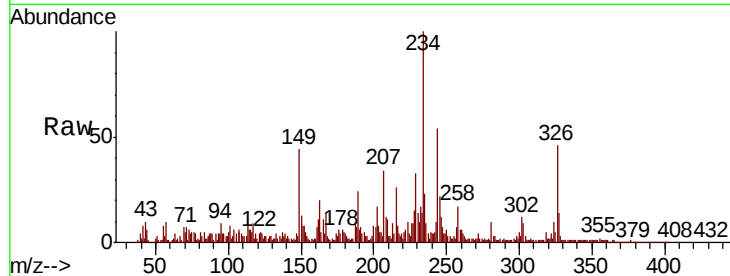
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.347 ng/ul
 RT: 21.28 min Scan# 3110
 Delta R.T. -0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampled :
 C0AB8

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.9	21.9	32.9
279	5.2	4.1	6.1

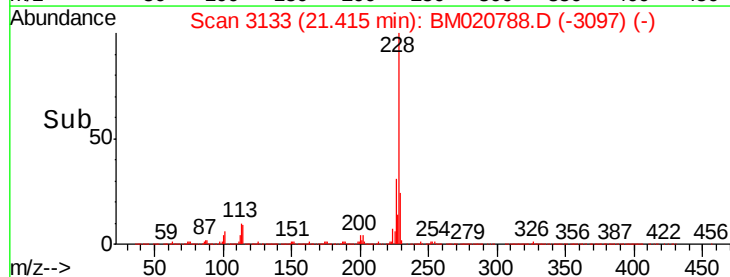
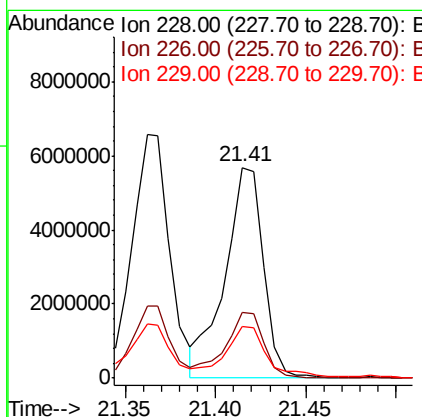
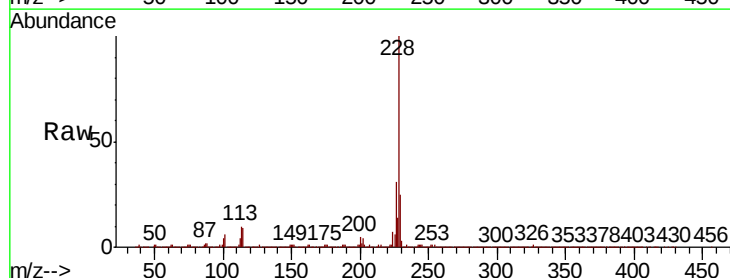
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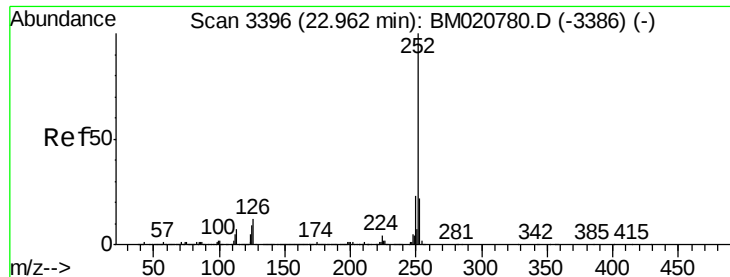
mohammad
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#84
 Chrysene
 Concen: 89.105 ng/ul m
 RT: 21.41 min Scan# 3133
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	24.6	16.2	24.2





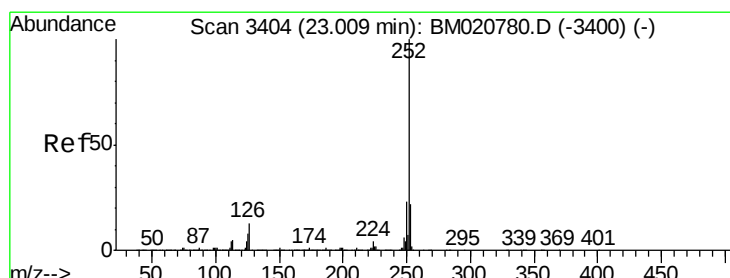
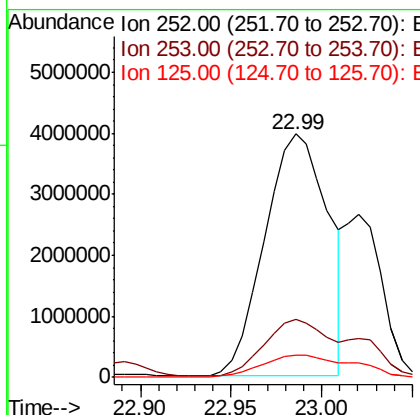
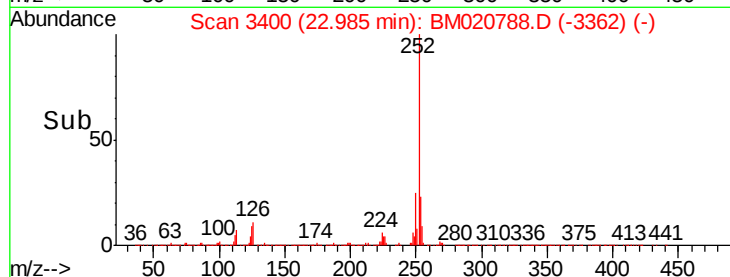
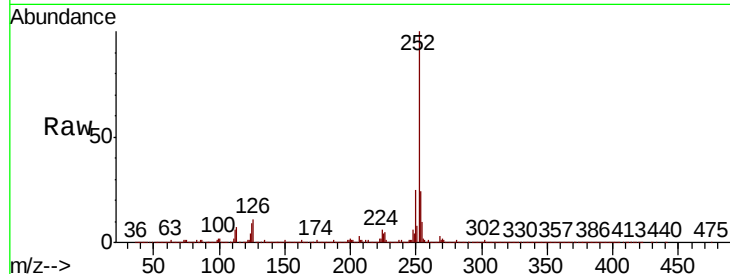
#87
Benzo(b)fluoranthene
Concen: 87.592 ng/ul
RT: 22.99 min Scan# 3400
Delta R.T. 0.02 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Instrument :
BNA_M
ClientSampled :
C0AB8

Tot Ion:252 Resp: 9666375
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 9.2 7.3 10.9

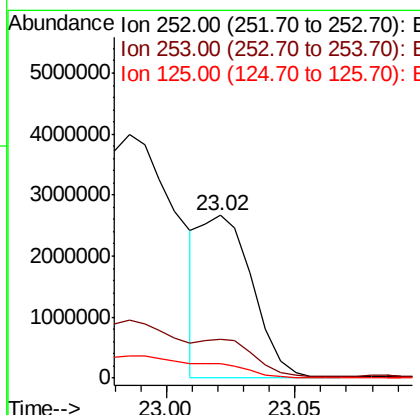
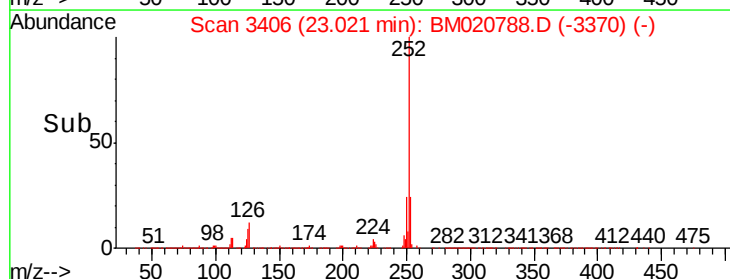
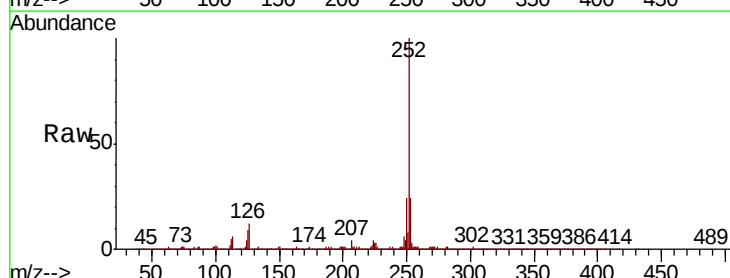
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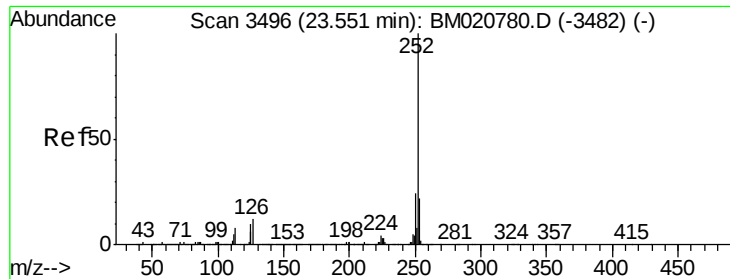
mohammad
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#88
Benzo(k)fluoranthene
Concen: 34.996 ng/ul m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion:252 Resp: 3691382
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 9.0 7.3 10.9





#90

Benzo(a)pyrene

Concen: 72.100 ng/ul

RT: 23.57 min Scan# 3500

Delta R.T. 0.02 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampled :

C0AB8

Tot Ion:252 Resp: 7569819

Ion Ratio Lower Upper

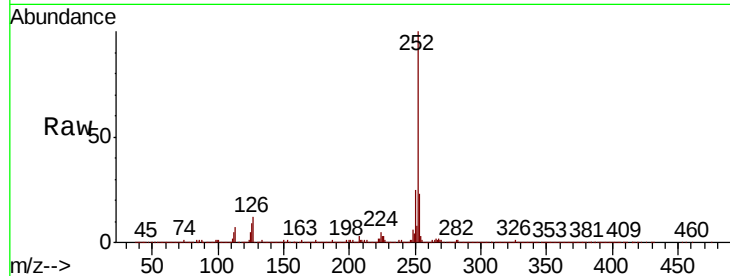
252 100

253 23.4 17.0 25.6

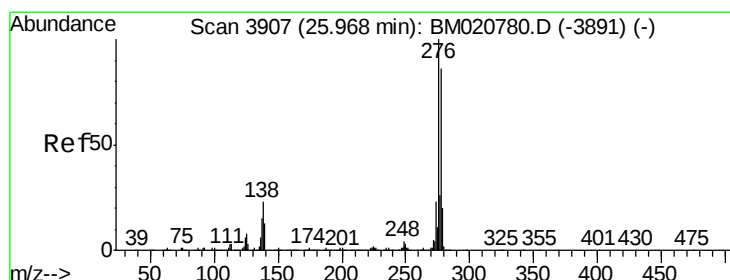
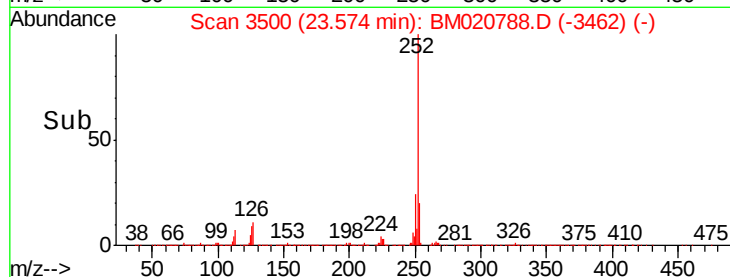
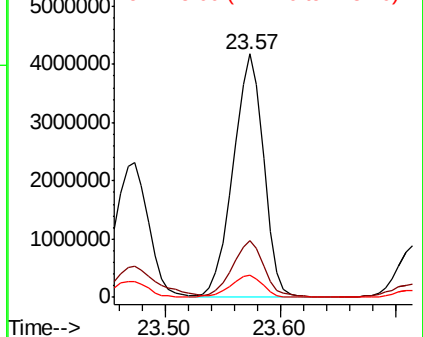
125 9.2 8.2 12.4

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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



#91

Indeno(1,2,3-cd)pyrene

Concen: 35.108 ng/ul

RT: 25.99 min Scan# 3910

Delta R.T. 0.02 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

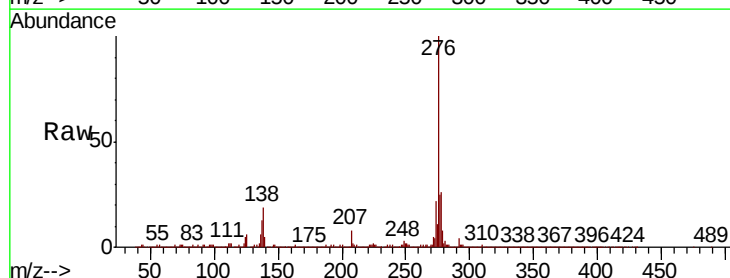
Tgt Ion:276 Resp: 4353564

Ion Ratio Lower Upper

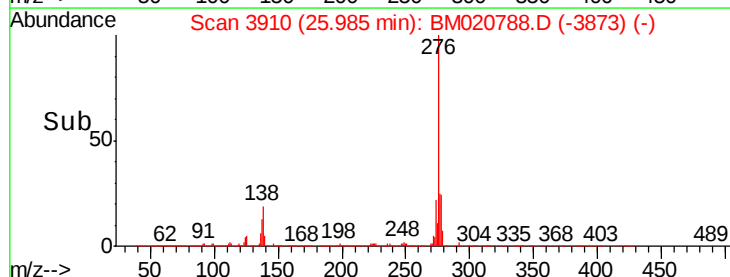
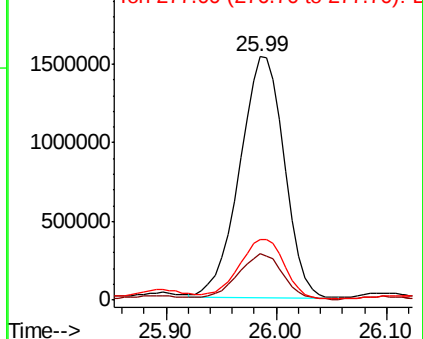
276 100

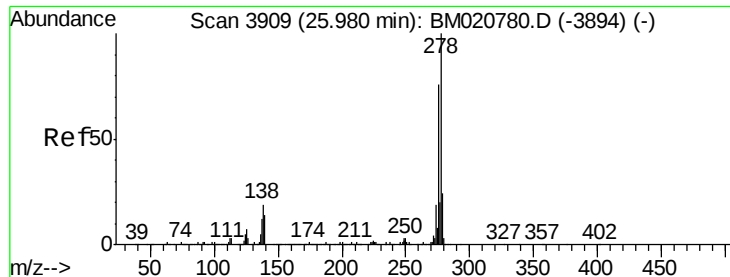
138 19.0 17.8 26.8

277 25.0 20.0 30.0



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





#92

Dibenzo(a,h)anthracene

Concen: 12.404 ng/ul

RT: 25.99 min Scan# 3911

Delta R.T. 0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

C0AB8

Tot Ion:278 Resp: 1303312

Ion Ratio Lower Upper

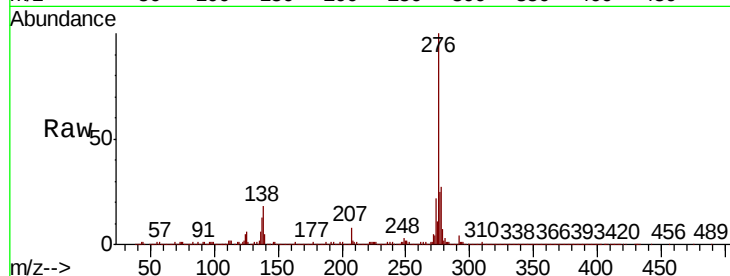
278 100

139 18.2 11.6 17.4#

279 26.6 18.6 28.0

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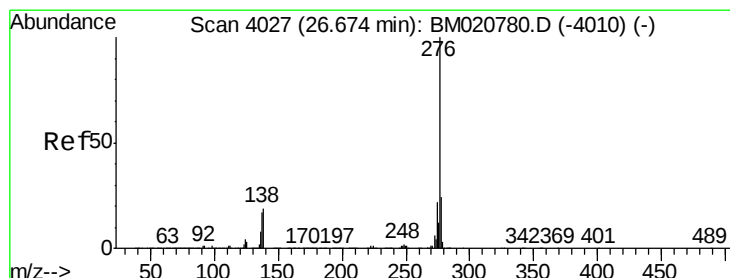
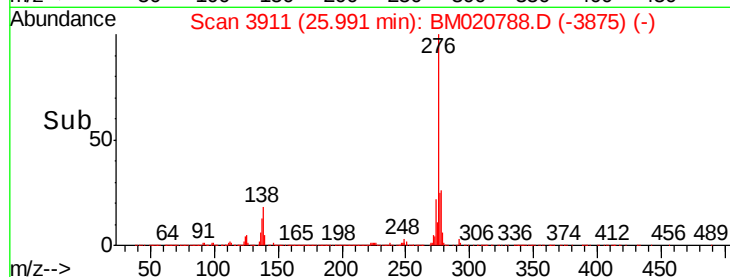
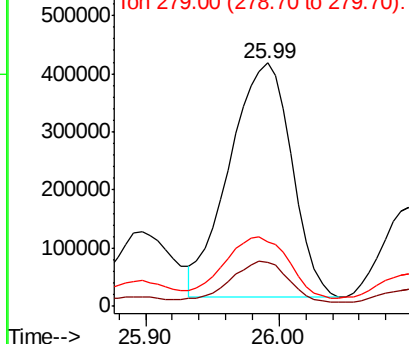


Abundance

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: 32.894 ng/ul

RT: 26.70 min Scan# 4032

Delta R.T. 0.03 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Tgt Ion:276 Resp: 3309277

Ion Ratio Lower Upper

276 100

138 19.1 16.6 25.0

277 24.7 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

