

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020781.D
 Acq On : 07 Jun 2019 01:50
 Operator : HP/JU
 Sample : K3201-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:14:39 PM

Quant Time: Jun 07 06:44:34 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	276516	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1132529	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	627390	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1375754	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1291030	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1497993	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	34483	5.95	ng/uL	0.00
5) Phenol-d5	6.97	99	784755	37.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	475895	37.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	647888	38.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	611783	35.94	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	318238	41.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	344400	43.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	664912	40.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	635207	31.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	2019293	43.51	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2484475	42.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	253085	31.78	ng/ul	0.00
57) Fluorene-d10	15.44	176	1697859	43.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	209422	29.77	ng/ul	0.00
70) Anthracene-d10	17.29	188	2566480	42.71	ng/ul	0.00
78) Pyrene-d10	19.59	212	2641015	42.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2772820	40.73	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.00	94	42436	1.948	ng/ul 98
28) Naphthalene	10.65	128	91567	1.721	ng/ul 97
34) 2-Methylnaphthalene	12.26	142	54610	1.398	ng/ul 93
44) Dimethylphthalate	13.90	163	706606	15.206	ng/ul 99
47) Acenaphthylene	14.17	152	198776	3.491	ng/ul 99
49) Acenaphthene	14.51	153	128448	3.232	ng/ul 97
53) Dibenzofuran	14.85	168	129835	2.310	ng/ul 100
58) Fluorene	15.50	166	121807	2.699	ng/ul 99
69) Phenanthrene	17.24	178	3131007	45.221	ng/ul 99
71) Anthracene	17.33	178	587786	8.282	ng/ul 100
74) Carbazole	17.60	167	272453	4.414	ng/ul 99
76) Fluoranthene	19.25	202	5891306	74.249	ng/ul 100
79) Pyrene	19.62	202	5265409	66.071	ng/ul 98
82) Benzo(a)anthracene	21.36	228	2981475	37.020	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.29	149	515178	9.405	ng/ul 100
84) Chrysene	21.41	228	3015053	40.346	ng/ul 98
87) Benzo(b)fluoranthene	22.97	252	4110210	47.166	ng/ul 98
88) Benzo(k)fluoranthene	23.01	252	1351493m	16.226	ng/ul
90) Benzo(a)pyrene	23.56	252	2731052	32.942	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.97	276	1971810	20.137	ng/ul 97
92) Dibenzo(a,h)anthracene	25.97	278	543611	6.552	ng/ul# 94
93) Benzo(a,h,i)perylene	26.68	276	1496246	18.835	ng/ul 98

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC4

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

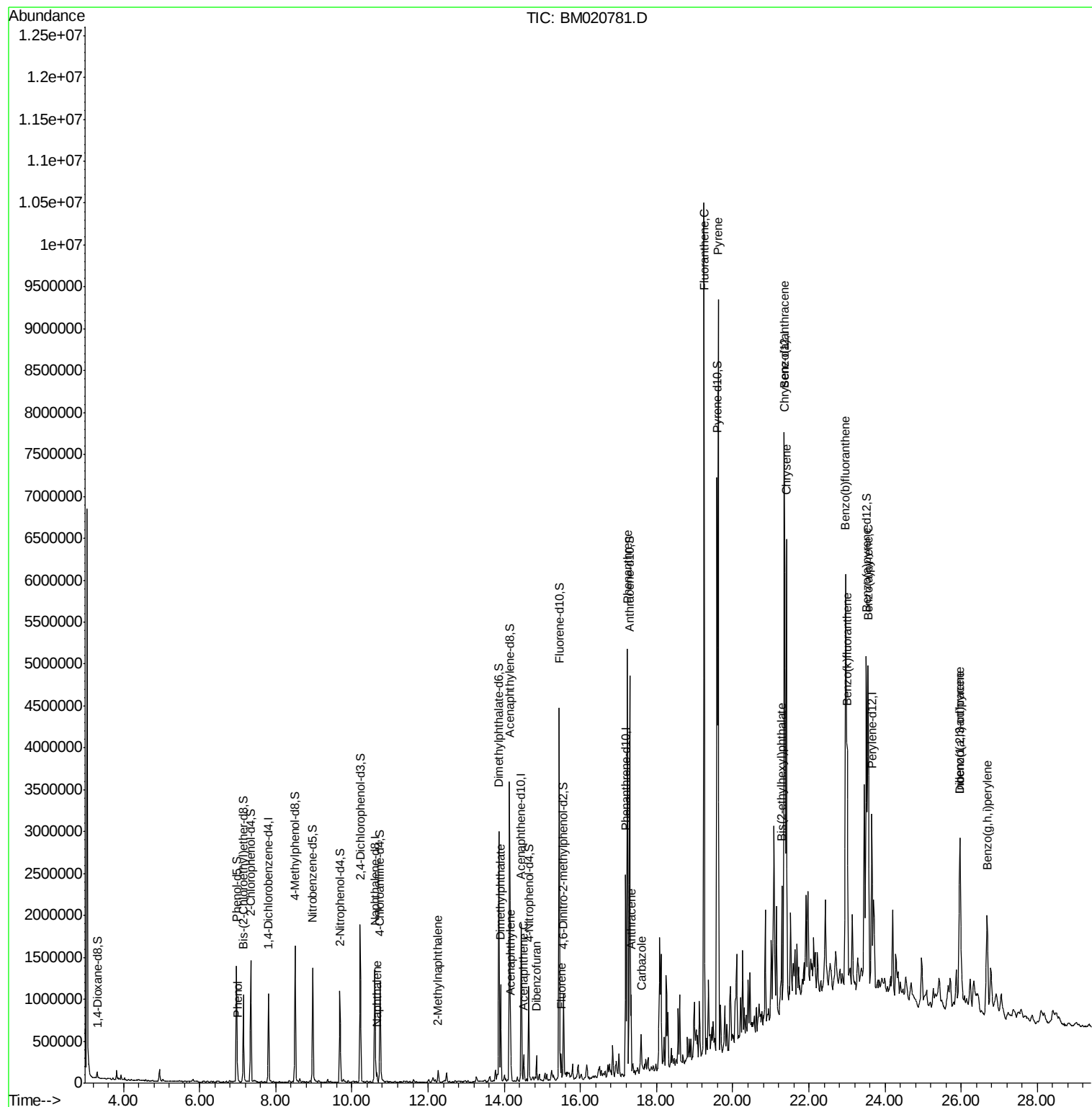
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020781.D
Acq On : 07 Jun 2019 01:50
Operator : HP/JU
Sample : K3201-13
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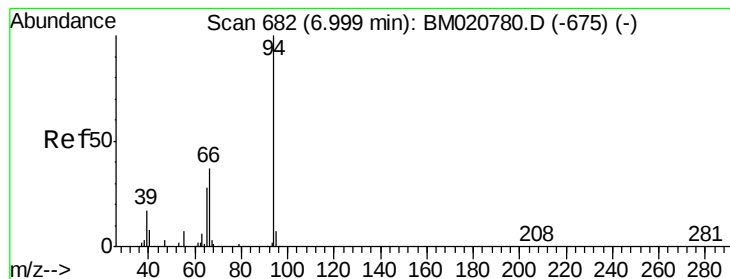
Instrument :
BNA_M
ClientSampled :
C0AC4

Manual Integrations
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#6

Phenol

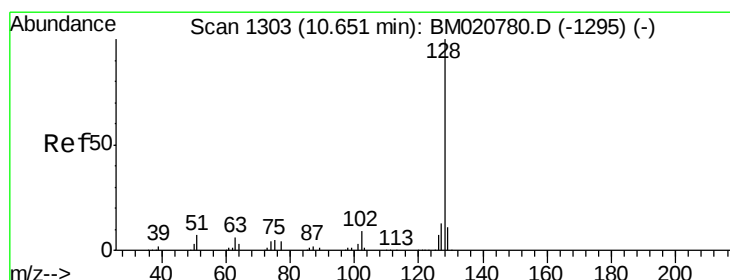
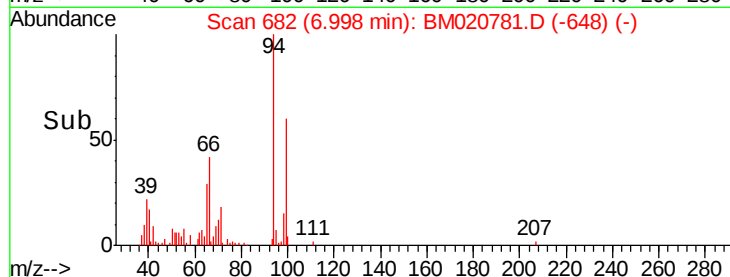
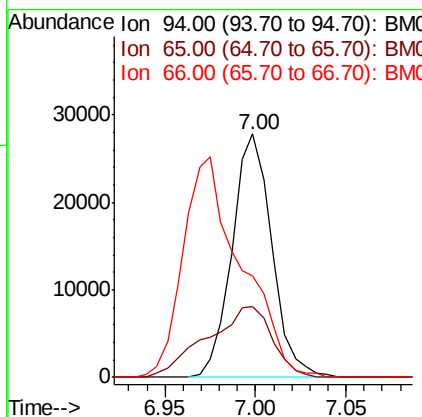
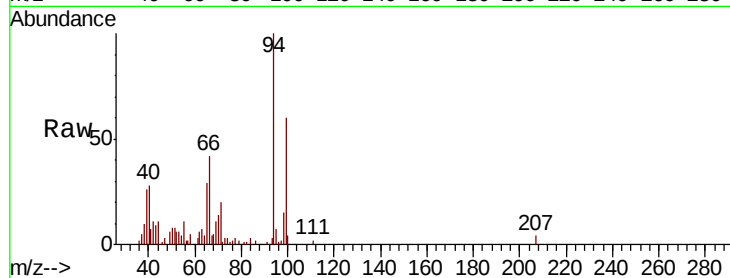
Concen: 1.948 ng/ul
 RT: 7.00 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tot Ion	Ratio	Lower	Upper
94	100		
65	28.9	23.3	34.9
66	41.7	32.1	48.1

Manual Integrations
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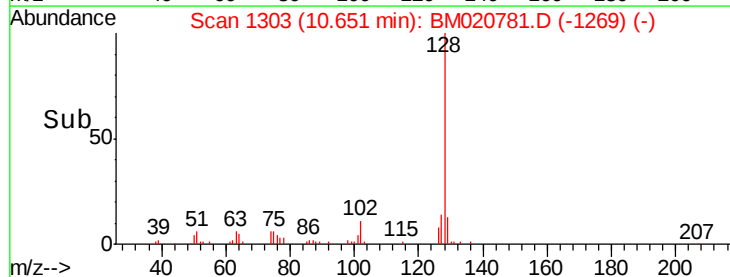
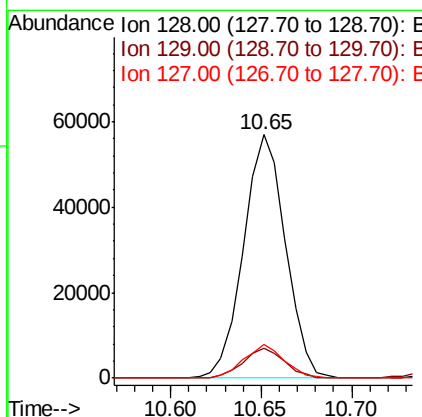
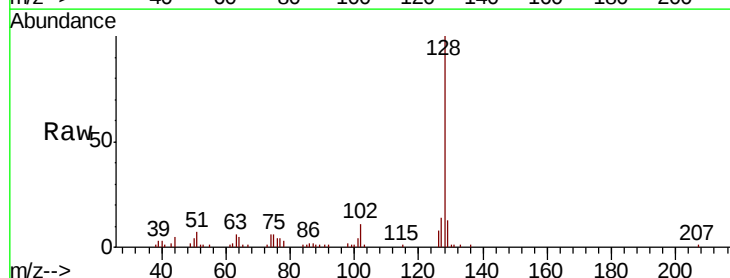


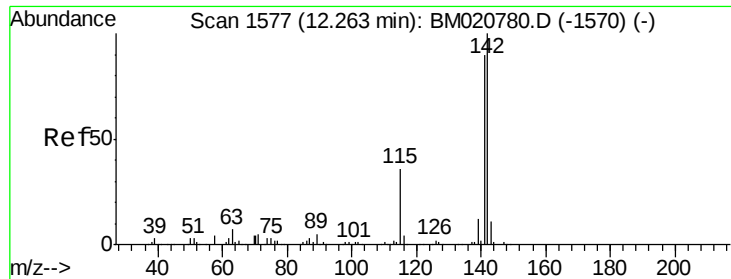
#28

Naphthalene

Concen: 1.721 ng/ul
 RT: 10.65 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.6	13.0
127	13.6	10.2	15.2





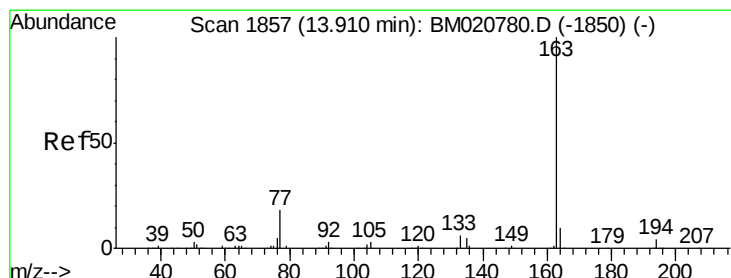
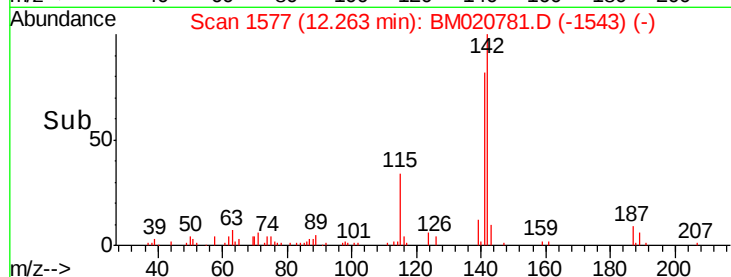
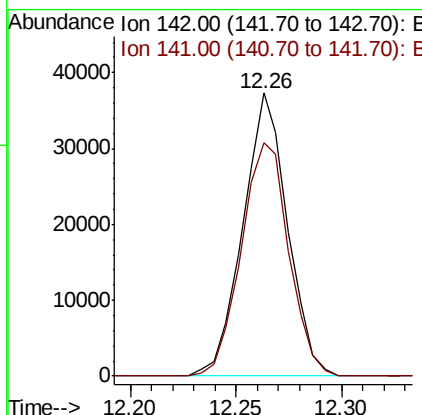
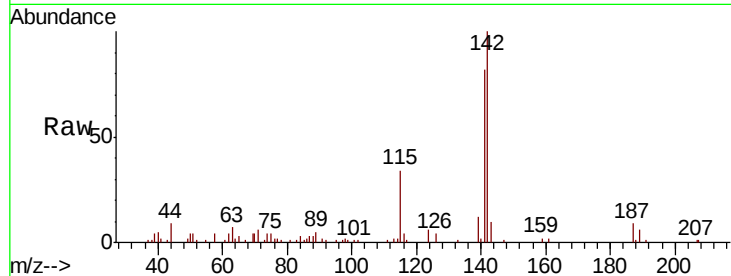
#34
2-Methylnaphthalene
Concen: 1.398 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.5	71.4	107.0

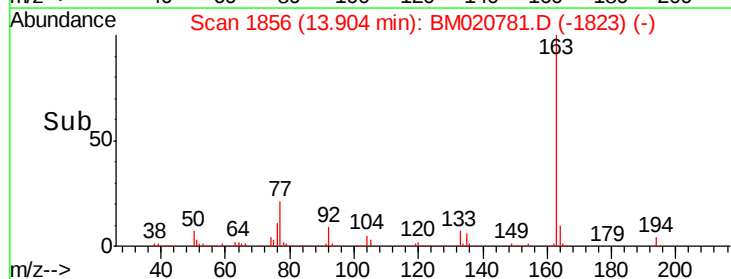
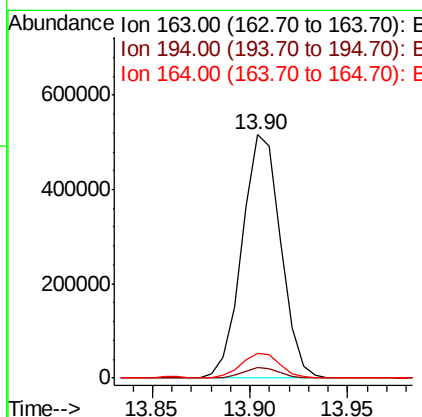
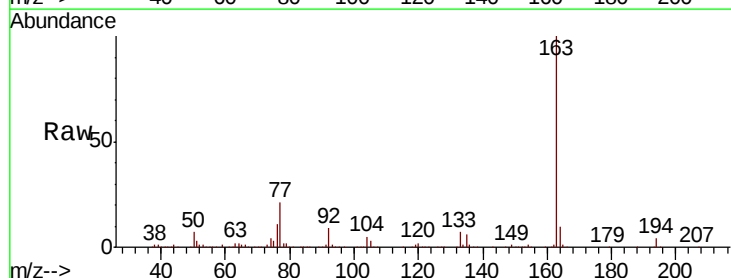
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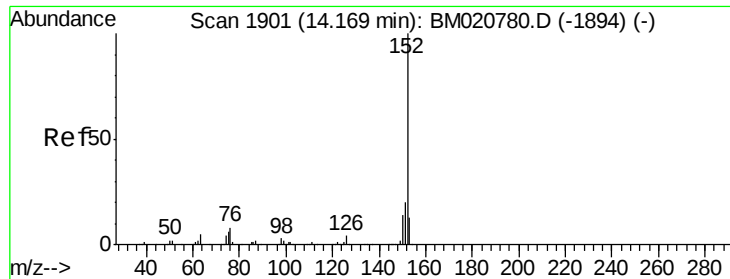
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#44
Dimethylphthalate
Concen: 15.206 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.3	8.0	12.0





#47

Acenaphthylene

Concen: 3.491 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.00 min

Lab File: BM020781.D

Acq: 07 Jun 2019 01:50

Instrument :

BNA_M

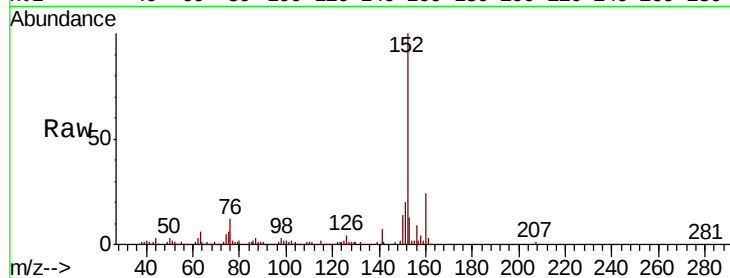
ClientSampleId :

C0AC4

Tot Ion:	152	Resp:	198776
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.2	10.6	15.8

Manual Integrations
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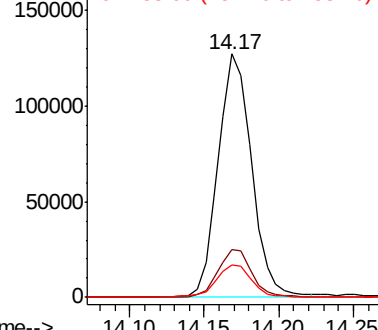


Abundance

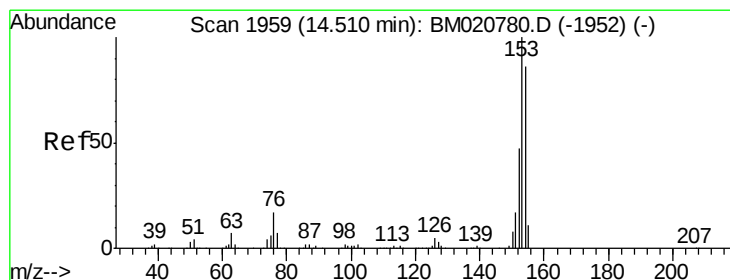
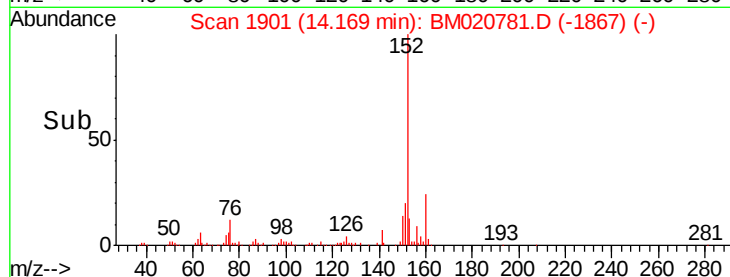
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Acenaphthene

Concen: 3.232 ng/ul

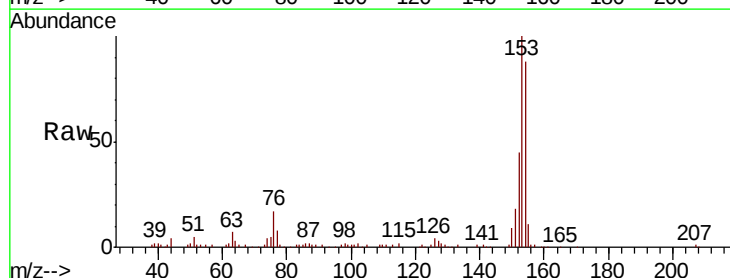
RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020781.D

Acq: 07 Jun 2019 01:50

Tgt Ion:	153	Resp:	128448
Ion Ratio	Lower	Upper	
153	100		
152	44.8	37.3	55.9
154	88.3	68.7	103.1

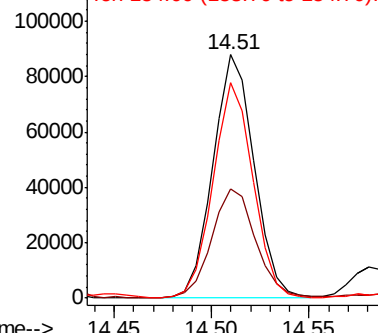


Abundance

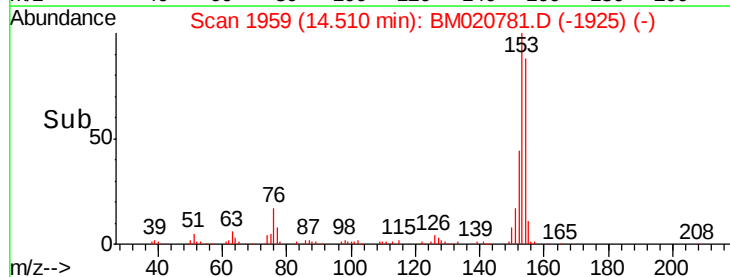
Ion 153.00 (152.70 to 153.70): E

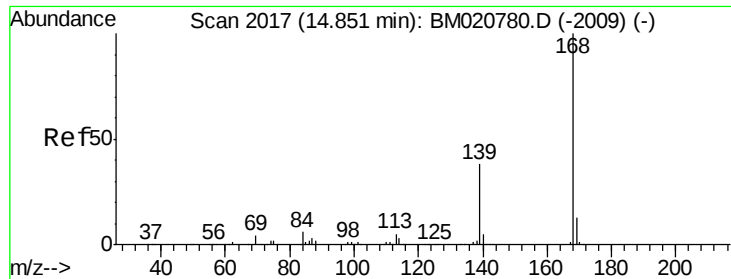
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





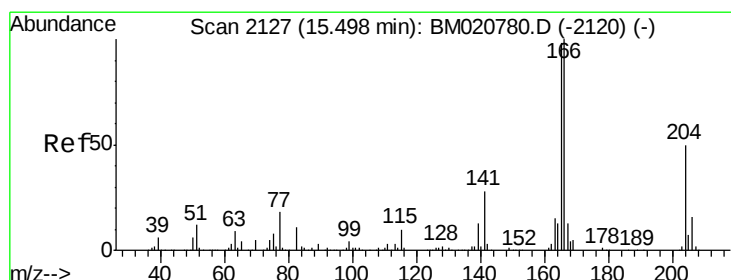
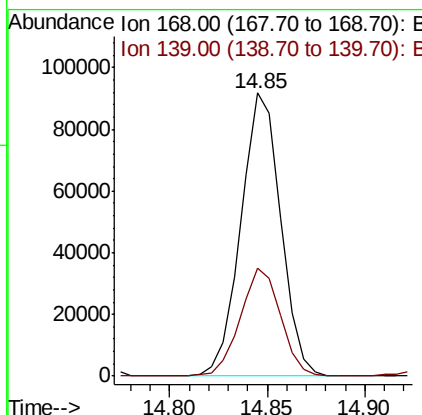
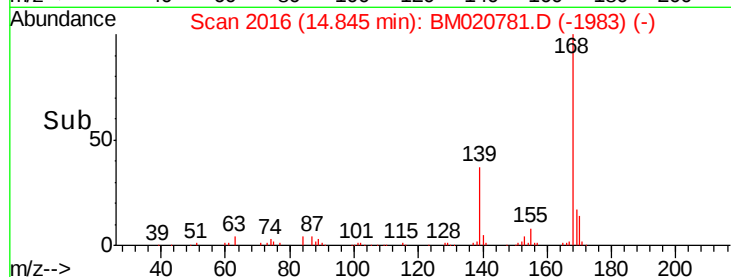
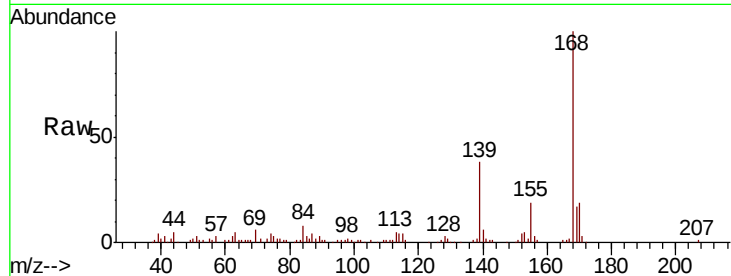
#53
Dibenzenofuran
Concen: 2.310 ng/ul
RT: 14.85 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampled :
C0AC4

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.4	45.6

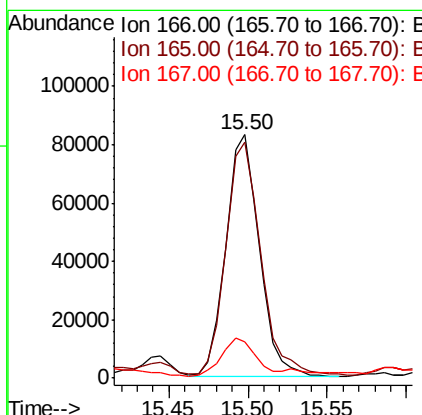
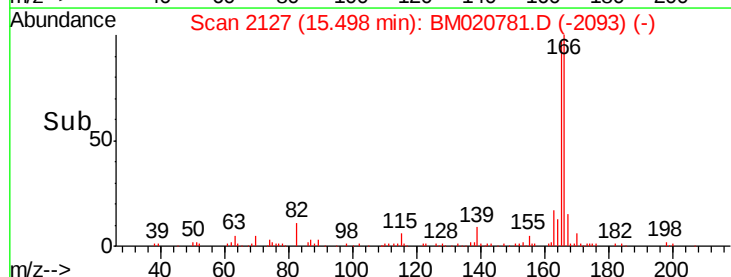
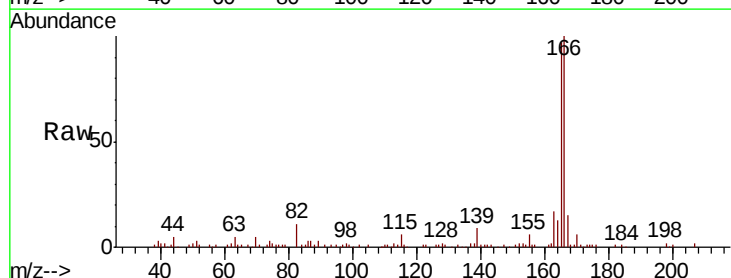
Manual Integrations
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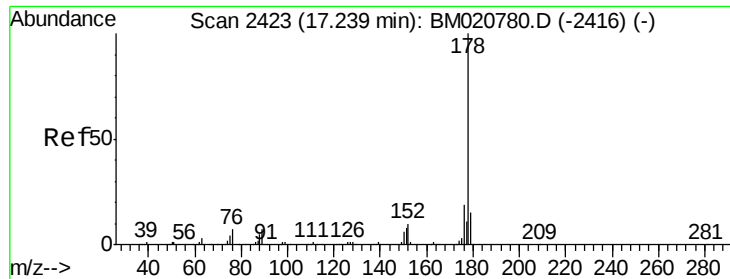
mohammad
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#58
Fluorene
Concen: 2.699 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.6	117.8
167	14.8	10.8	16.2





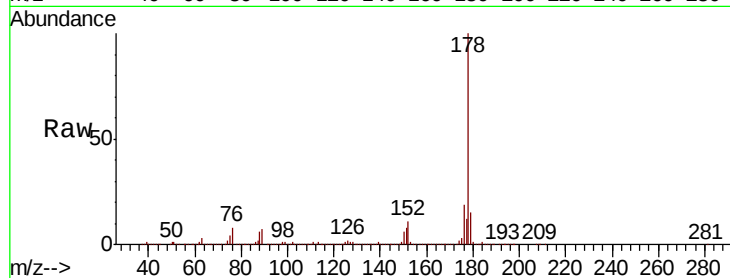
#69
Phenanthrene
Concen: 45.221 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.8	14.8	22.2

Manual Integrations
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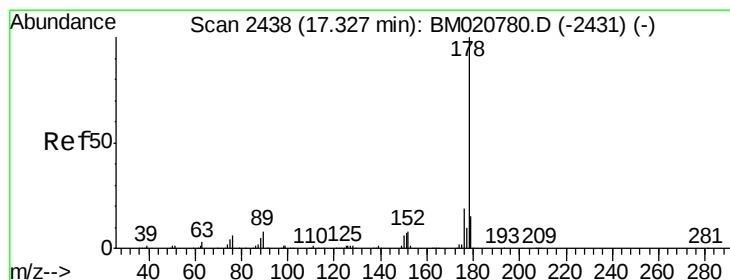
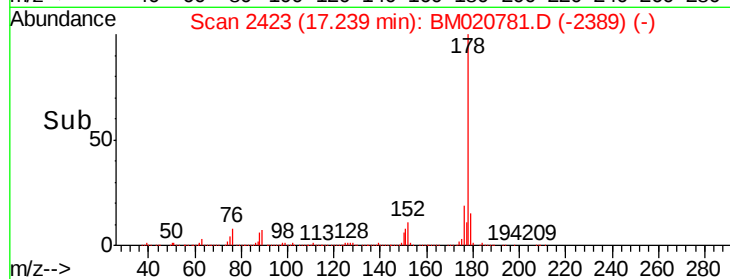
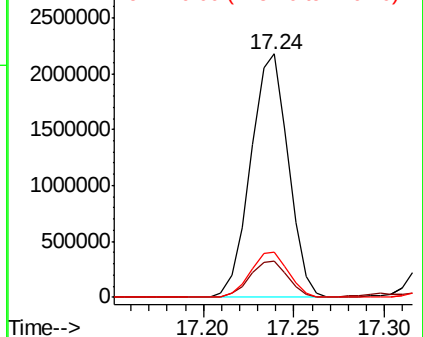


Abundance

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: 8.282 ng/ul
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

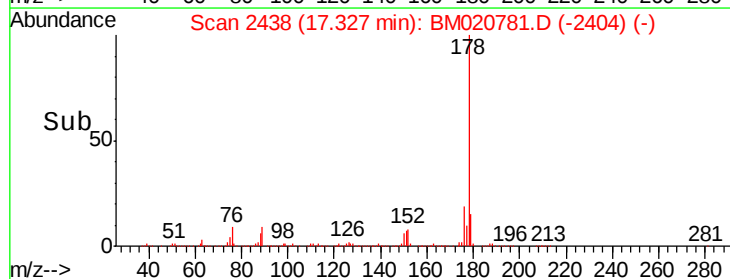
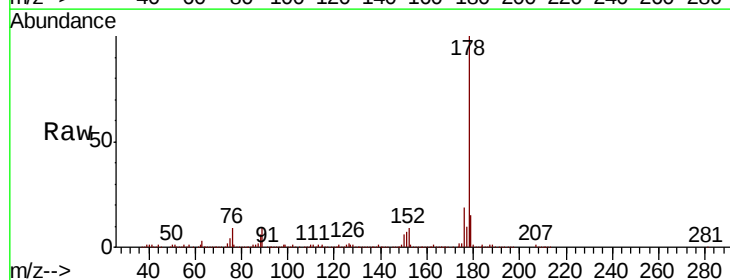
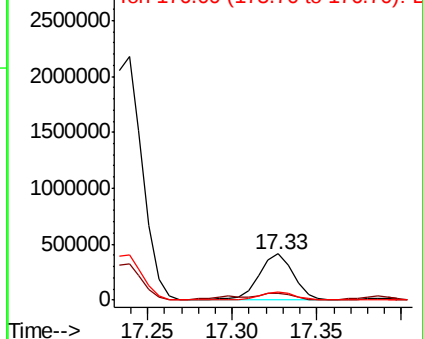
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	18.8	14.9	22.3

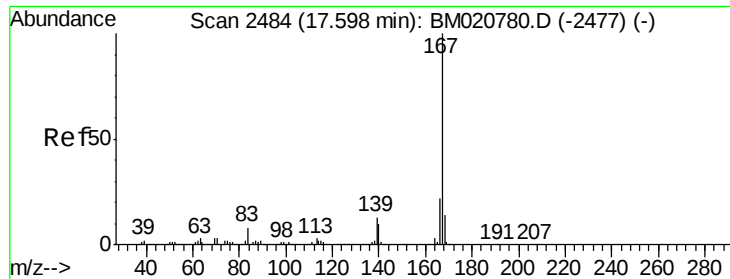
Abundance

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





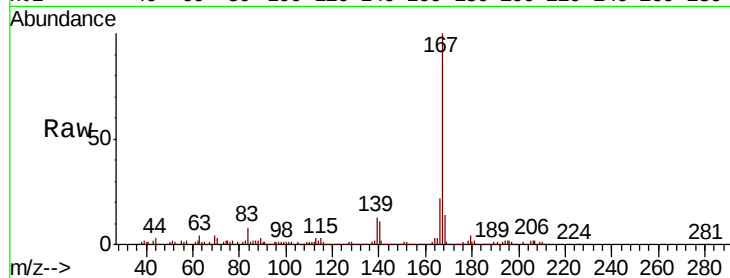
#74
 Carbazole
 Concen: 4.414 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.0	25.6
139	13.0	10.5	15.7

Manual Integrations
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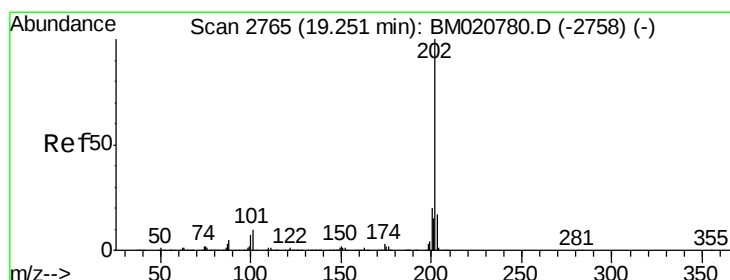
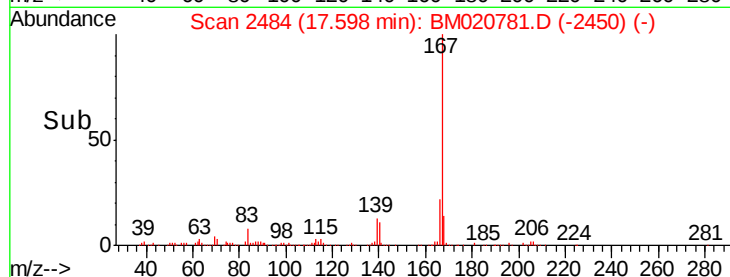
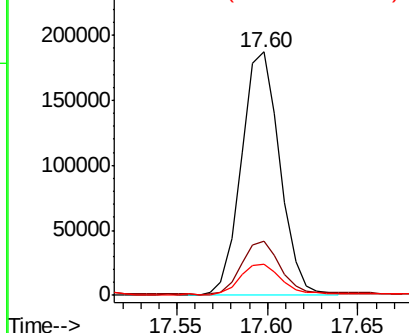


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76
 Fluoranthene
 Concen: 74.249 ng/ul
 RT: 19.25 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

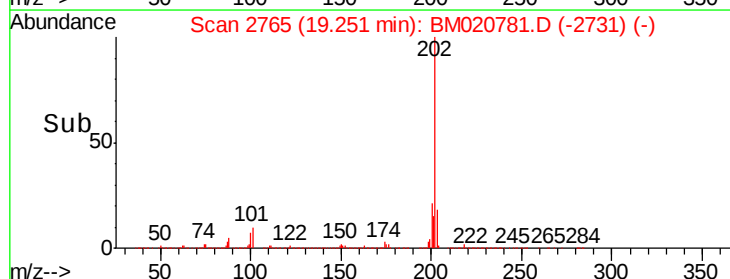
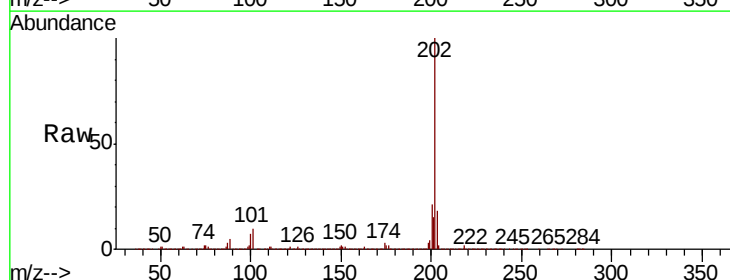
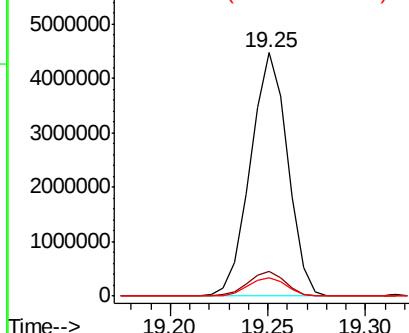
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.9	11.9
100	7.5	6.2	9.4

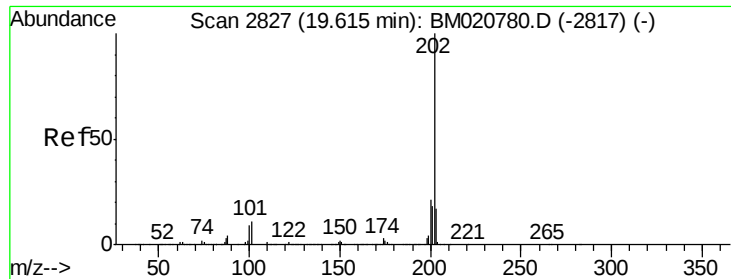
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





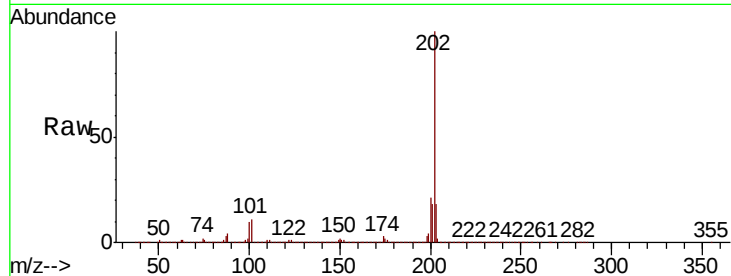
#79
Pvrene
Concen: 66.071 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampled :
C0AC4

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	9.6	8.0	12.0

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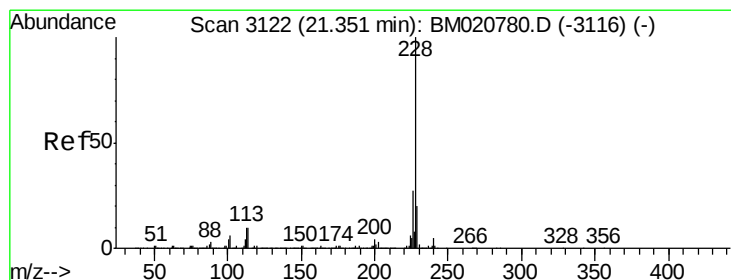
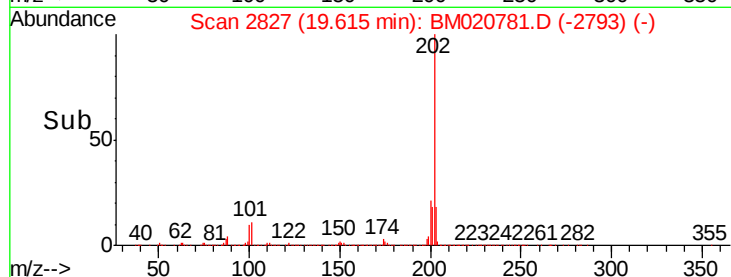
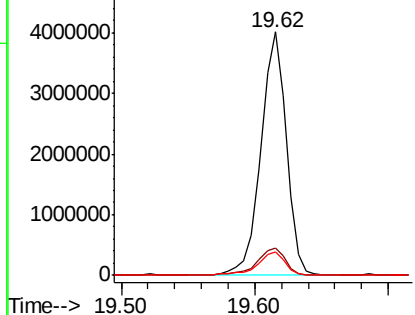


Abundance

Ion 202.00 (201.70 to 202.70): E

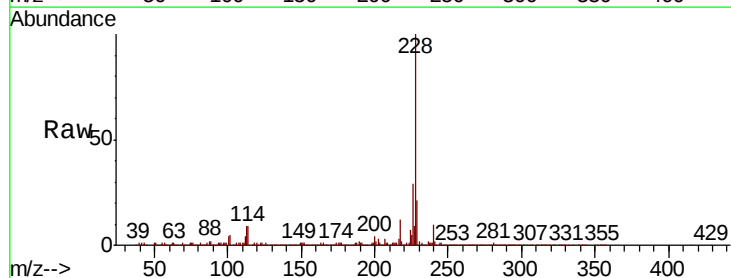
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82
Benzo(a)anthracene
Concen: 37.020 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.6	23.4
226	28.5	21.4	32.2

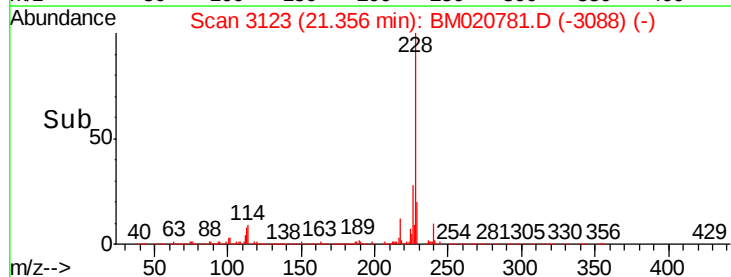
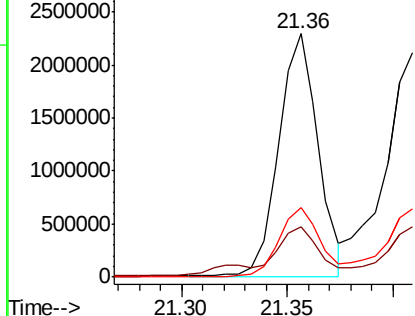


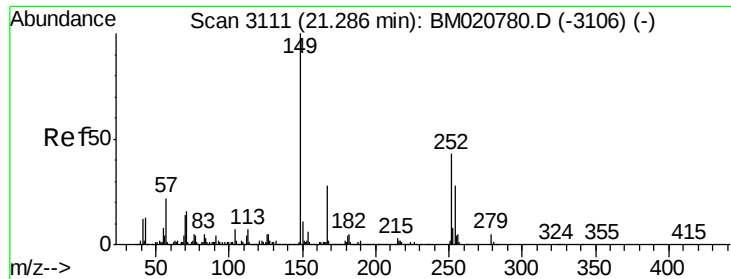
Abundance

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





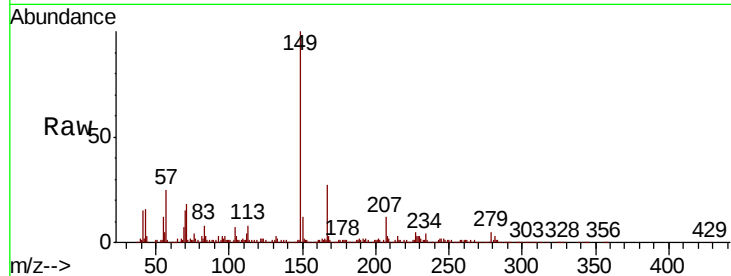
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.405 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. -0.00 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.9	32.9
279	4.8	4.1	6.1

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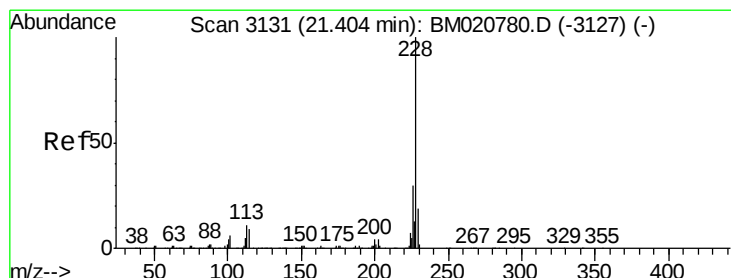
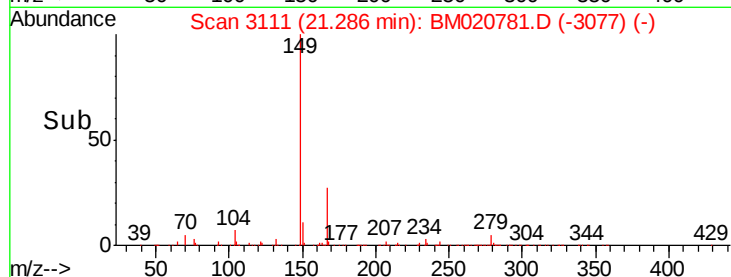
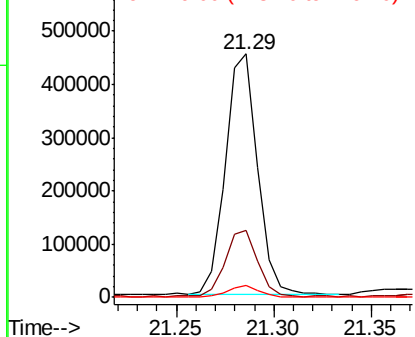


Abundance

Ion 149.00 (148.70 to 149.70): E

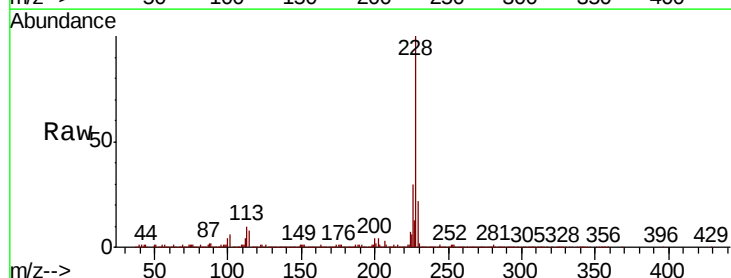
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Chrysene
 Concen: 40.346 ng/ul
 RT: 21.41 min Scan# 3132
 Delta R.T. 0.01 min
 Lab File: BM020781.D
 Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.3	16.2	24.2

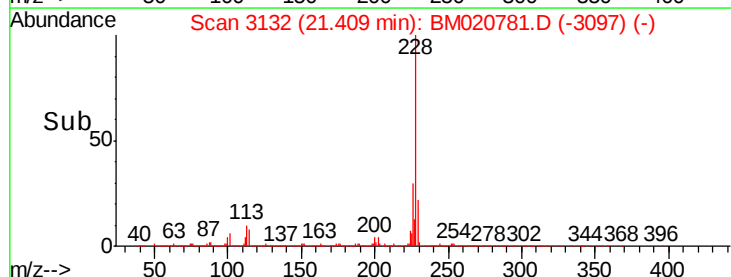
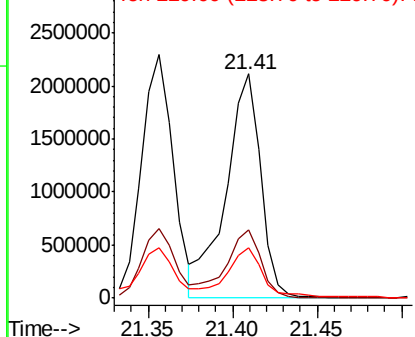


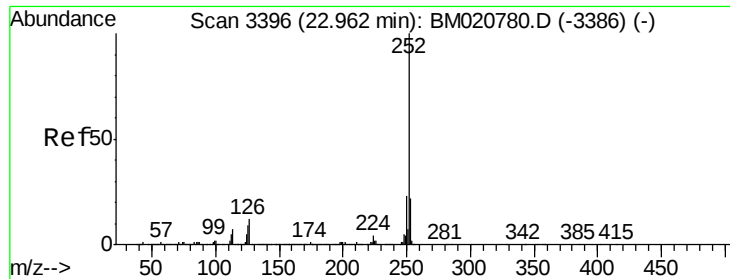
Abundance

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: 47.166 ng/ul

RT: 22.97 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM020781.D

Acq: 07 Jun 2019 01:50

Instrument :

BNA_M

ClientSampleId :

C0AC4

Tot Ion:252 Resp: 4110210

Ion Ratio Lower Upper

252 100

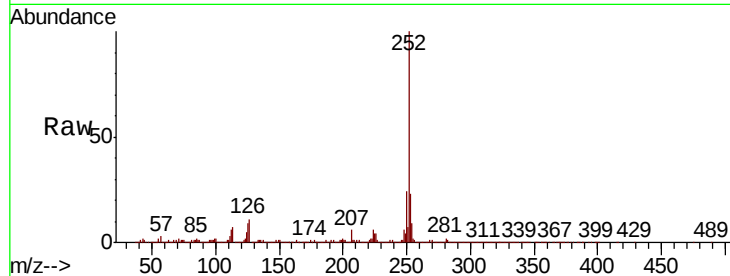
253 23.0 17.6 26.4

125 9.3 7.3 10.9

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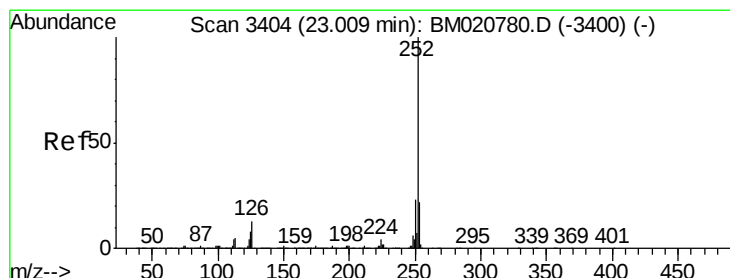
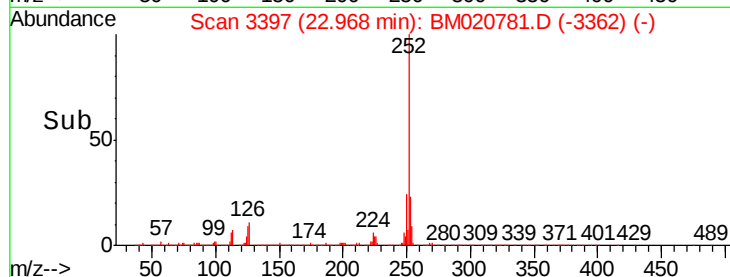
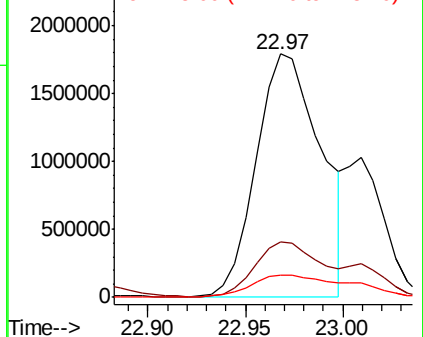


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 16.226 ng/ul m

RT: 23.01 min Scan# 3404

Delta R.T. -0.00 min

Lab File: BM020781.D

Acq: 07 Jun 2019 01:50

Tgt Ion:252 Resp: 1351493

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

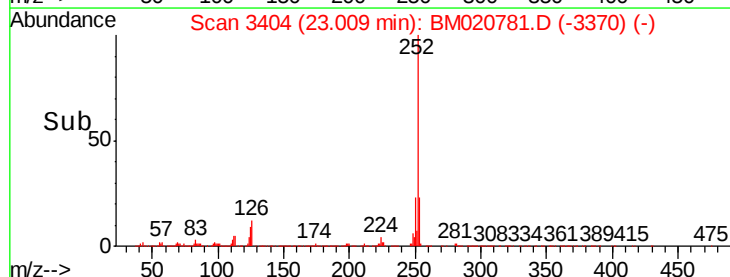
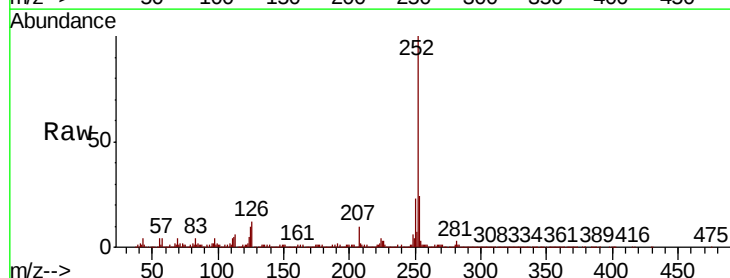
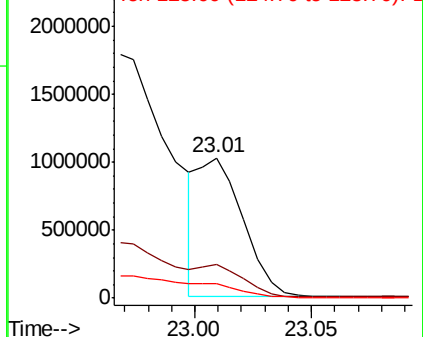
125 10.0 7.3 10.9

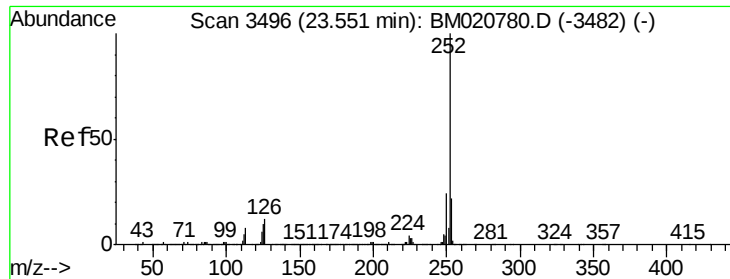
Abundance

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





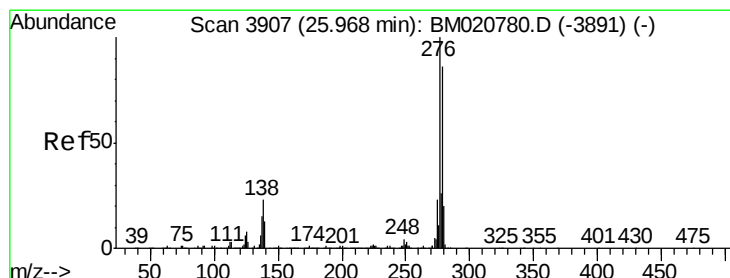
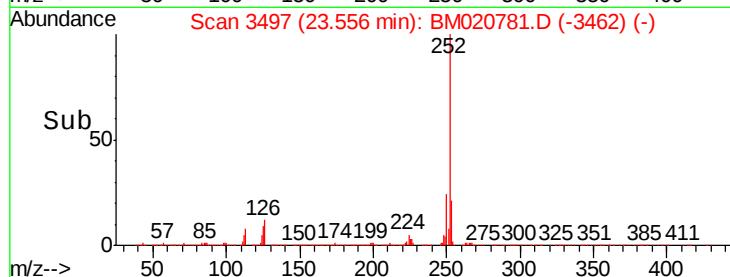
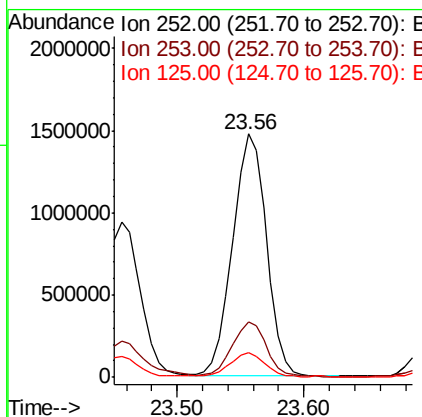
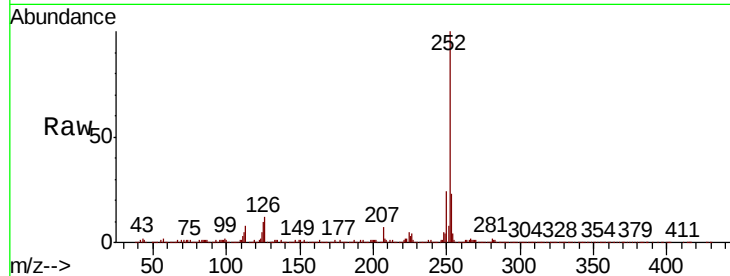
#90
Benzo(a)pyrene
Concen: 32.942 ng/ul
RT: 23.56 min Scan# 3497
Delta R.T. 0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.9	8.2	12.4

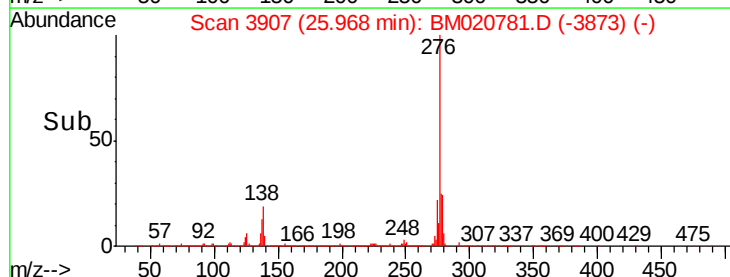
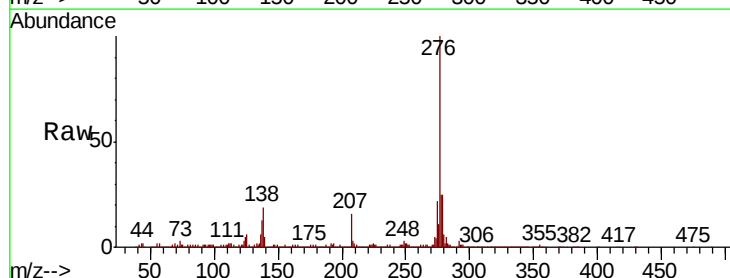
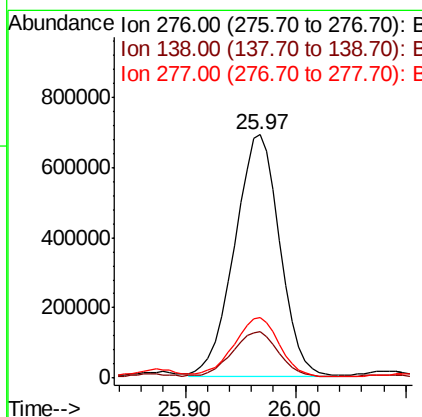
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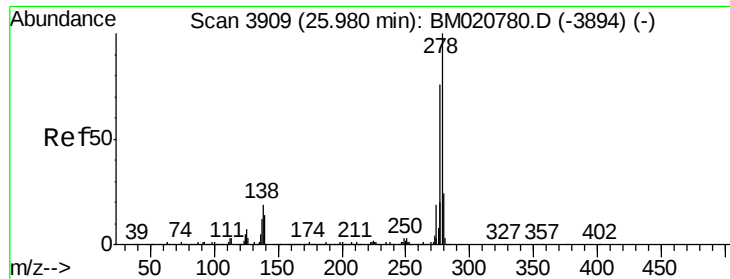
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#91
Indeno(1,2,3-cd)pyrene
Concen: 20.137 ng/ul
RT: 25.97 min Scan# 3907
Delta R.T. -0.00 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.8	26.8
277	24.9	20.0	30.0





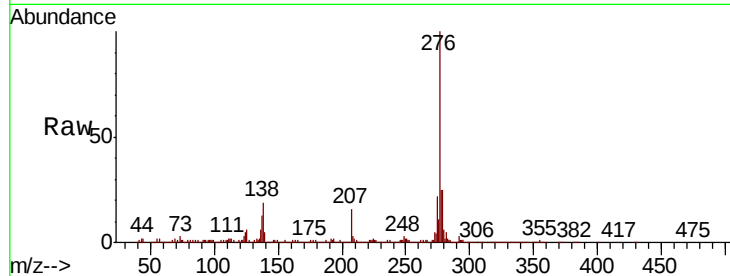
#92
Dibenzo(a,h)anthracene
Concen: 6.552 ng/ul
RT: 25.97 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.9	11.6	17.4#
279	25.2	18.6	28.0

Manual Integrations
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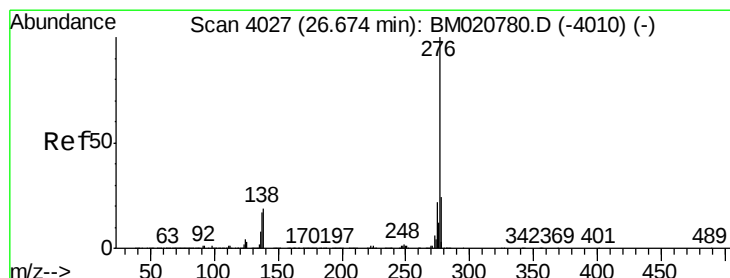
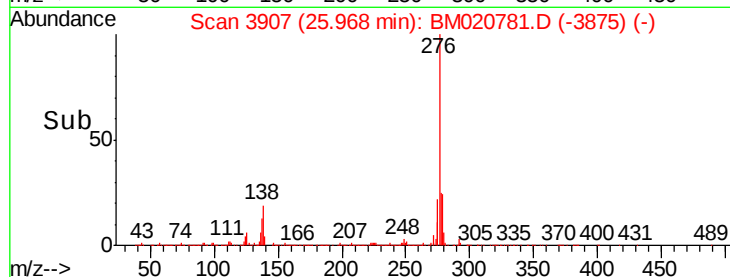
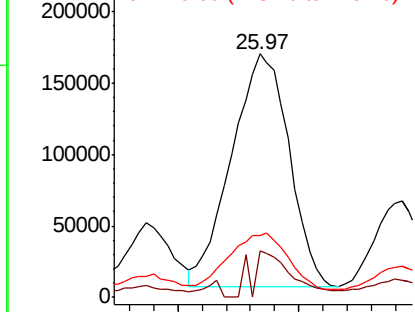


Abundance

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: 18.835 ng/ul
RT: 26.68 min Scan# 4028
Delta R.T. 0.01 min
Lab File: BM020781.D
Acq: 07 Jun 2019 01:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.6	25.0
277	24.0	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

