

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020787.D
 Acq On : 07 Jun 2019 05:26
 Operator : HP/JU
 Sample : K3201-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7

Manual Integrations
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mohammad
 6/7/2019 2:15:03 PM

Quant Time: Jun 07 06:58:04 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	344953	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1418939	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	788499	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1689858	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1552455	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1790273	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	33014	4.56	ng/uL	0.00
5) Phenol-d5	6.97	99	616658	23.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	407426	25.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	551539	26.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	447246	21.06	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	274822	28.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	302578	30.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	551634	26.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	540196	21.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1679860	28.80	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2085387	28.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	200844	20.07	ng/ul	0.00
57) Fluorene-d10	15.44	176	1401237	28.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	124161	14.37	ng/ul	0.00
70) Anthracene-d10	17.29	188	2073831	28.10	ng/ul	0.00
78) Pyrene-d10	19.59	212	2099582	27.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2235775	27.48	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.65	128	114619	1.720	ng/ul 98
34) 2-Methylnaphthalene	12.26	142	56041	1.145	ng/ul 98
44) Dimethylphthalate	13.91	163	726151	12.434	ng/ul 99
47) Acenaphthylene	14.17	152	304523	4.256	ng/ul 99
49) Acenaphthene	14.51	153	190144	3.807	ng/ul 99
53) Dibenzofuran	14.85	168	150821	2.135	ng/ul 98
58) Fluorene	15.50	166	196579	3.466	ng/ul 98
69) Phenanthrene	17.24	178	4580531	53.859	ng/ul 99
71) Anthracene	17.33	178	902611	10.354	ng/ul 99
74) Carbazole	17.60	167	346397	4.569	ng/ul 97
76) Fluoranthene	19.26	202	9038665	92.741	ng/ul 99
79) Pyrene	19.62	202	8015393	83.641	ng/ul 97
82) Benzo(a)anthracene	21.36	228	4749792	49.045	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.29	149	101465	1.540	ng/ul 100
84) Chrysene	21.42	228	4675219	52.026	ng/ul 98
87) Benzo(b)fluoranthene	22.97	252	5989785	57.513	ng/ul 98
88) Benzo(k)fluoranthene	23.01	252	2011162m	20.204	ng/ul
90) Benzo(a)pyrene	23.56	252	4134836	41.732	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.98	276	2798894	23.917	ng/ul 96
92) Dibenzo(a,h)anthracene	25.98	278	795038	8.018	ng/ul# 91
93) Benzo(a,h,i)perylene	26.69	276	2112926	22.255	ng/ul 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

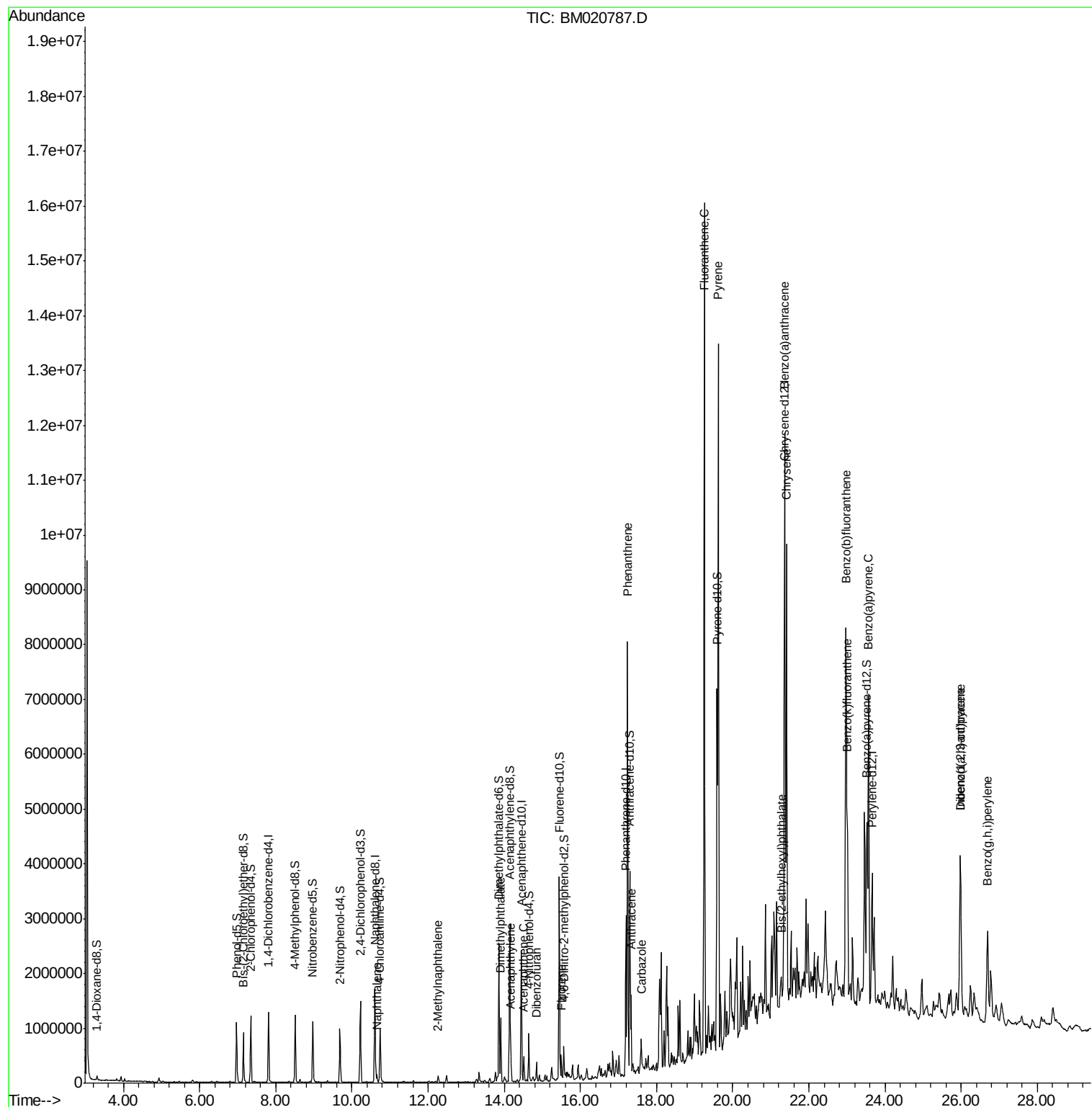
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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Sample : K3201-06
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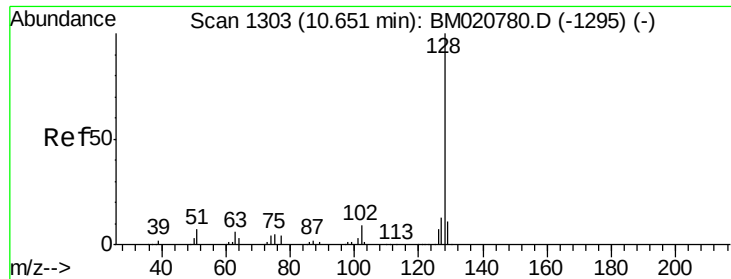
Instrument :
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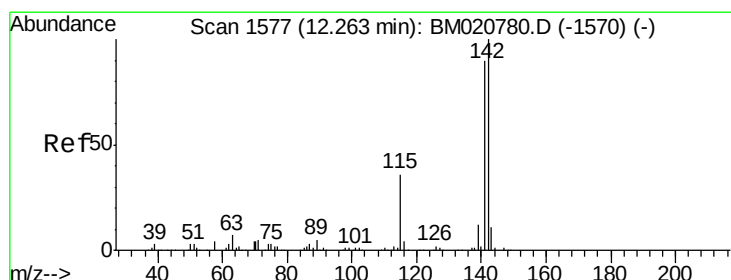
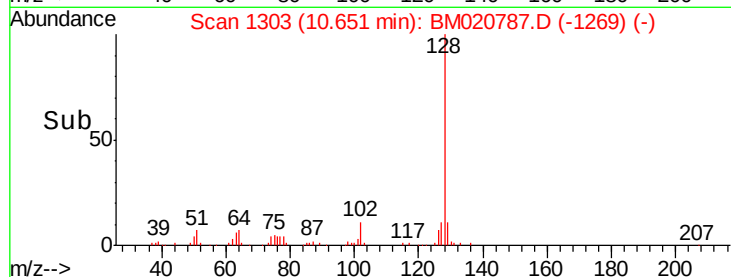
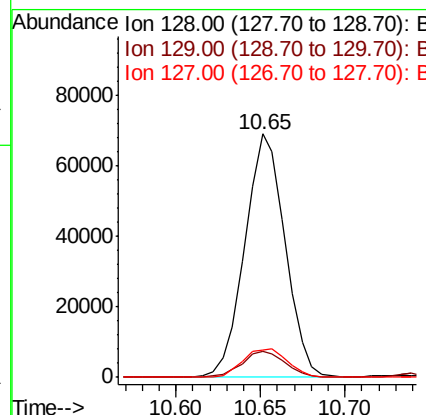
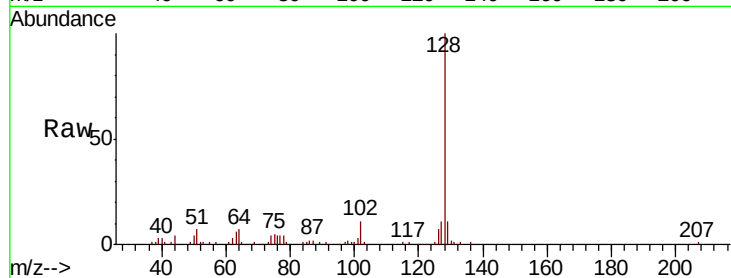
#28
Naphthalene
Concen: 1.720 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Instrument :
BNA_M
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	11.4	10.2	15.2

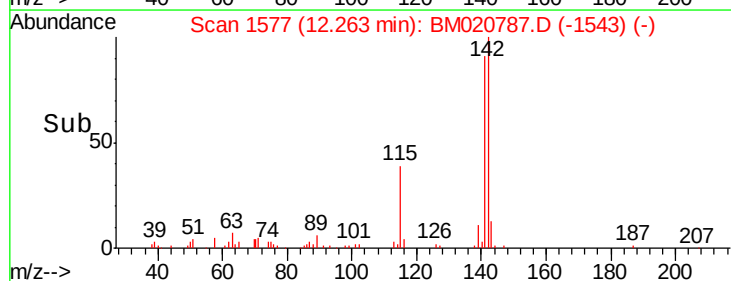
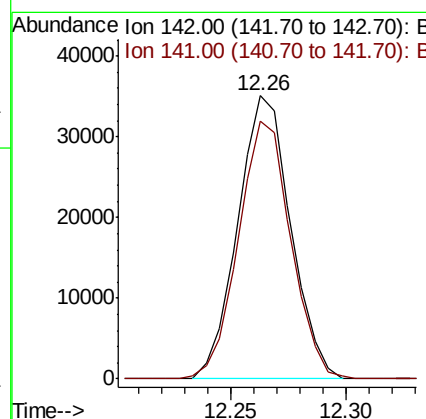
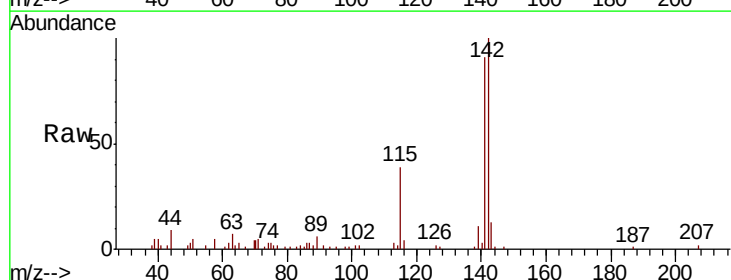
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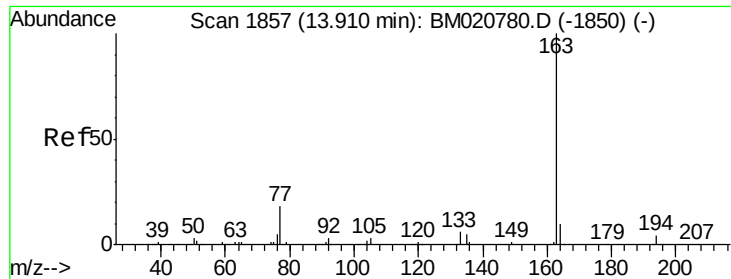
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#34
2-Methylnaphthalene
Concen: 1.145 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.4	107.0





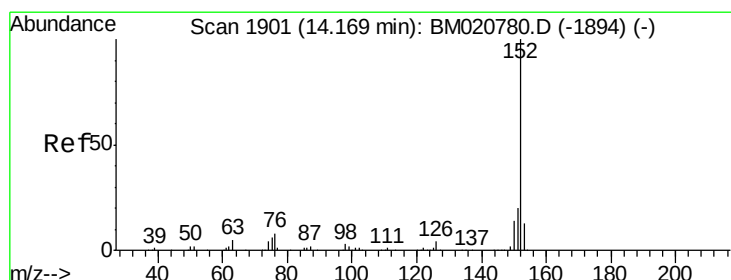
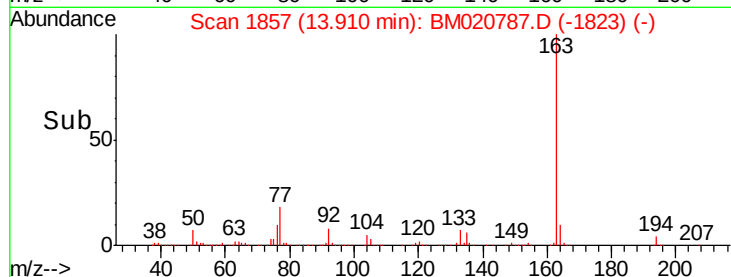
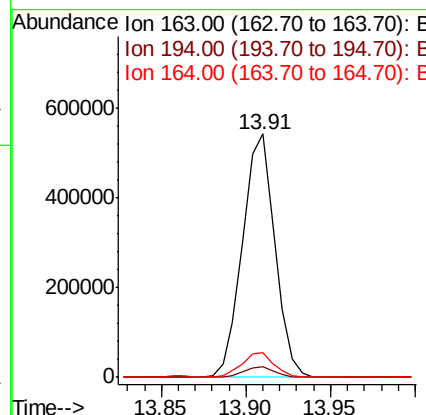
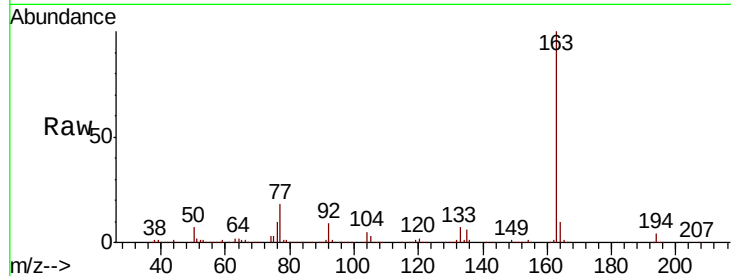
#44
Dimethylphthalate
Concen: 12.434 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Instrument :
BNA_M
ClientSampleId :
C0AB7

Tot Ion	Ratio	Resp	Lower	Upper
163	100	726151		
194	4.3	3.2	4.8	
164	10.4	8.0	12.0	

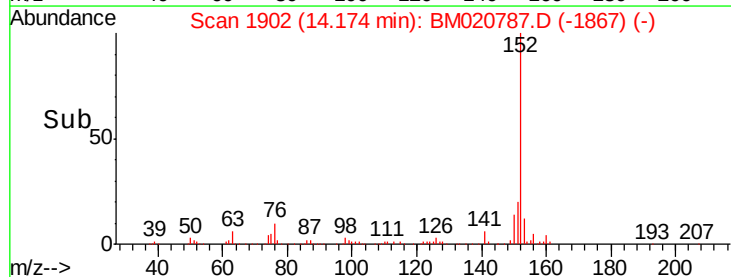
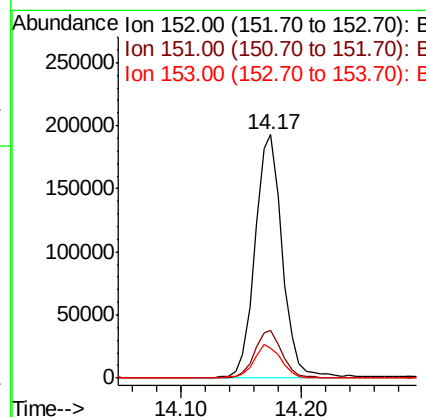
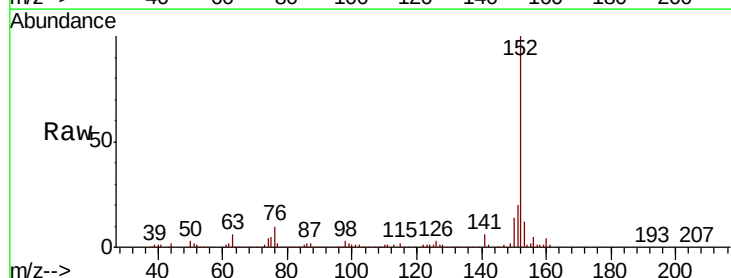
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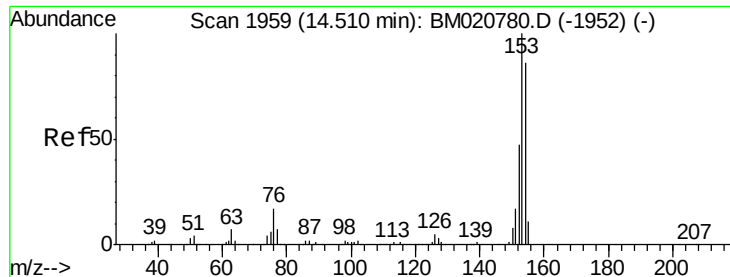
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#47
Acenaphthylene
Concen: 4.256 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.01 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	304523		
151	19.8	16.2	24.2	
153	12.5	10.6	15.8	





#49

Acenaphthene

Concen: 3.807 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

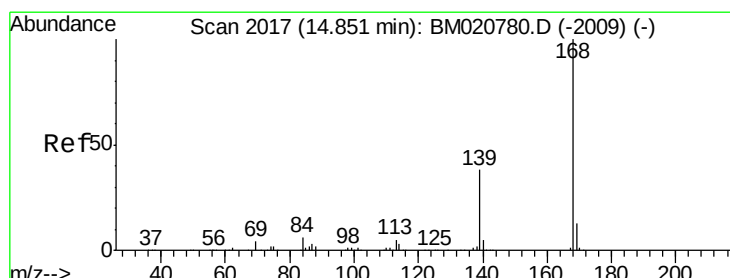
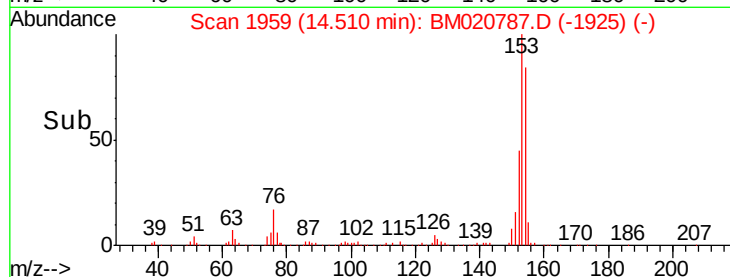
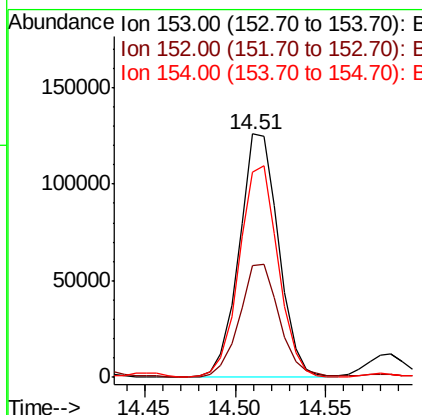
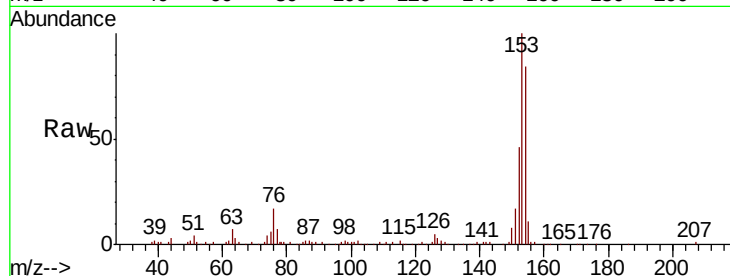
ClientSampleId :

C0AB7

Tot Ion:	153	Resp:	190144
Ion Ratio	Lower	Upper	
153	100		
152	46.1	37.3	55.9
154	84.5	68.7	103.1

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#53

Dibenzofuran

Concen: 2.135 ng/ul

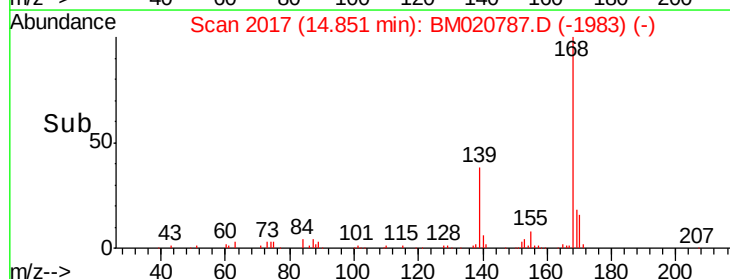
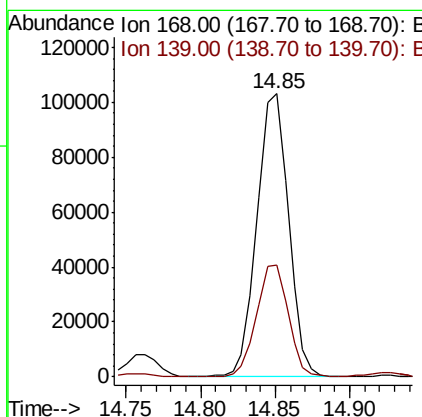
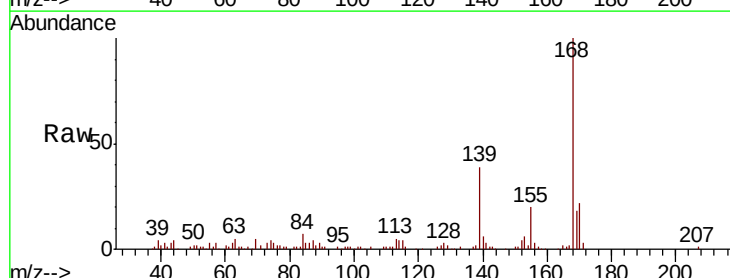
RT: 14.85 min Scan# 2017

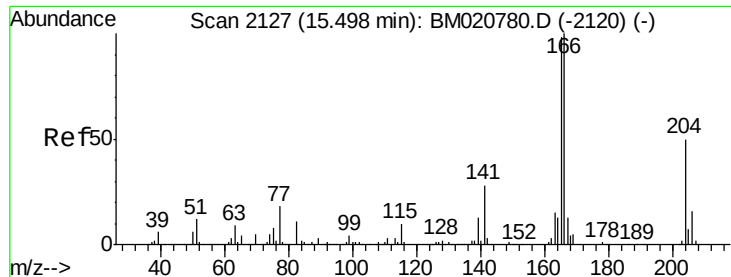
Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Tgt Ion:	168	Resp:	150821
Ion Ratio	Lower	Upper	
168	100		
139	39.4	30.4	45.6





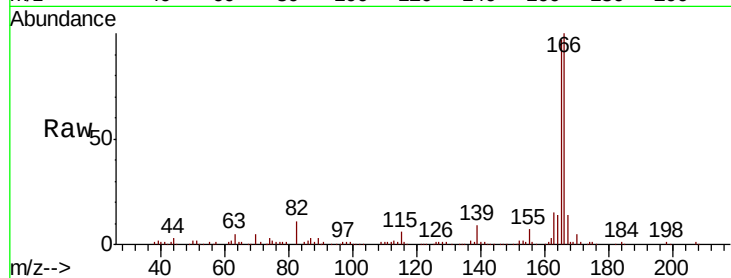
#58
 Fluorene
 Concen: 3.466 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	117.8
167	14.4	10.8	16.2

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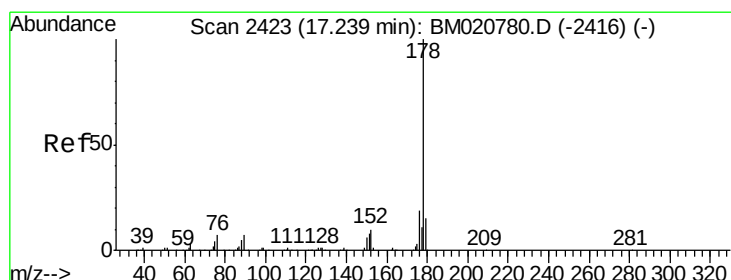
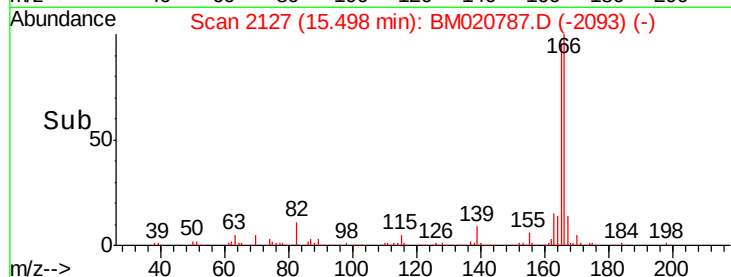
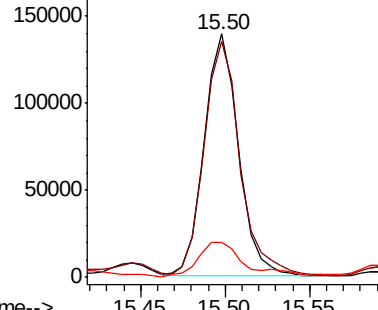


Abundance

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: 53.859 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

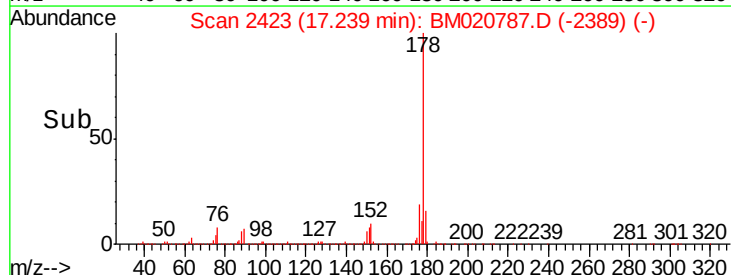
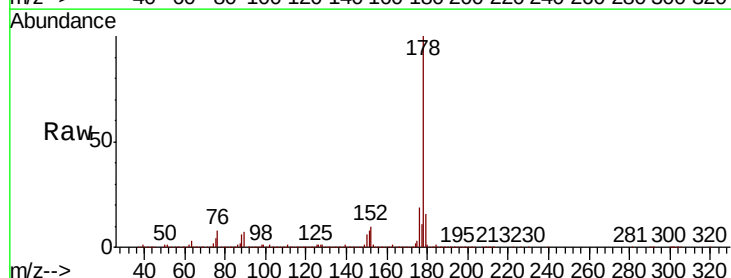
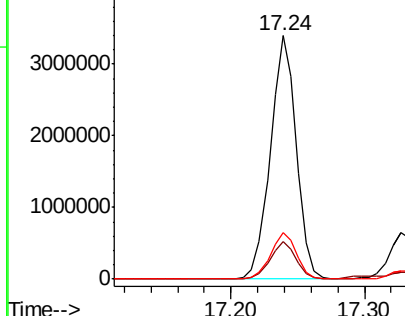
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.1	14.8	22.2

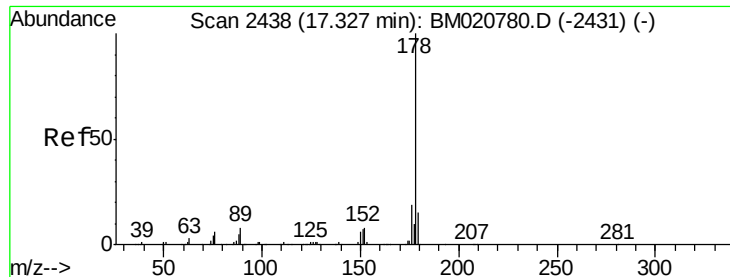
Abundance

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





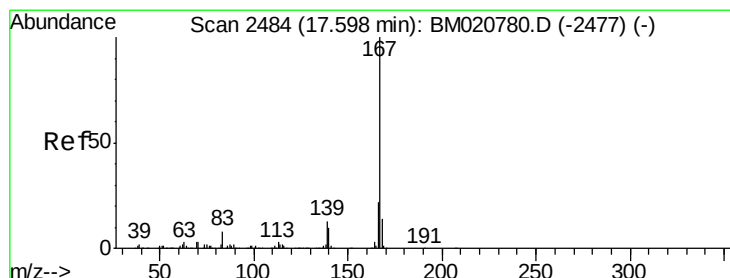
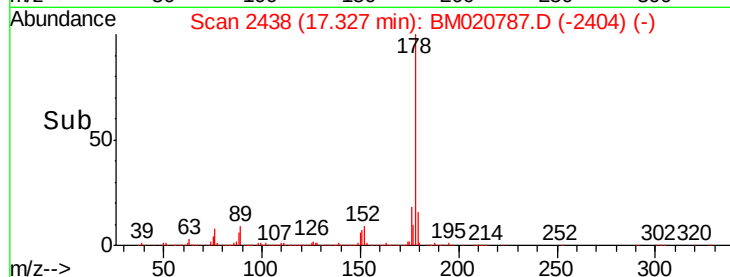
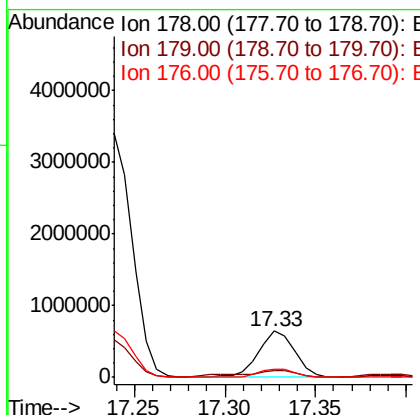
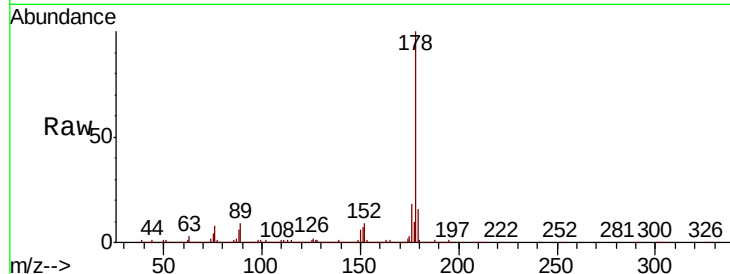
#71
 Anthracene
 Concen: 10.354 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.2	14.9	22.3

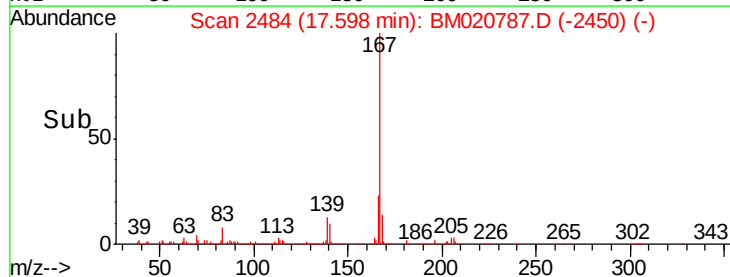
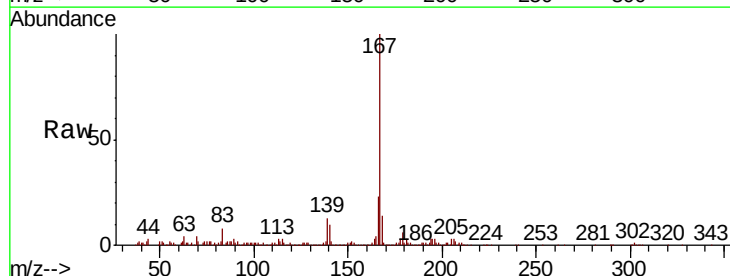
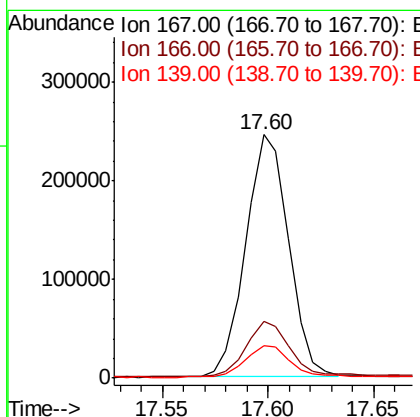
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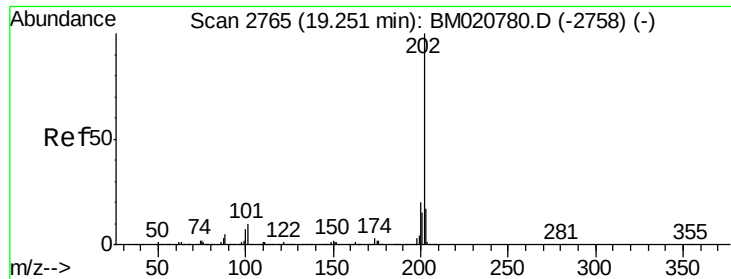
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#74
 Carbazole
 Concen: 4.569 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.6
139	13.2	10.5	15.7





#76

Fluoranthene

Concen: 92.741 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

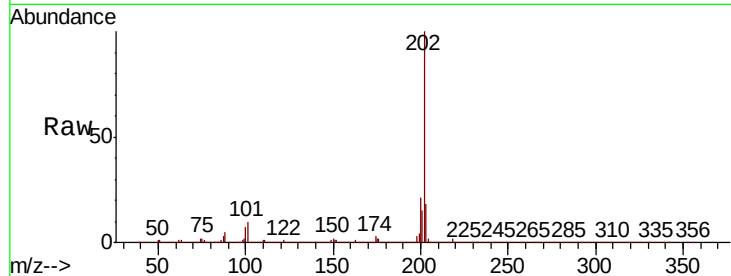
ClientSampleId :

C0AB7

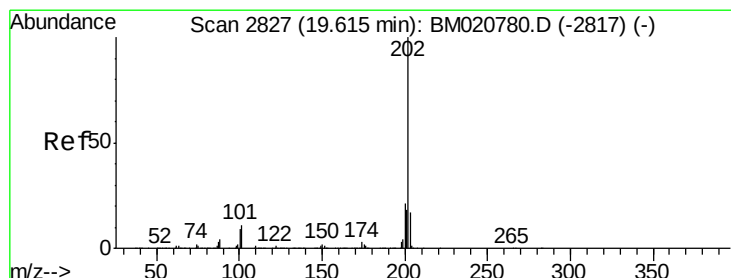
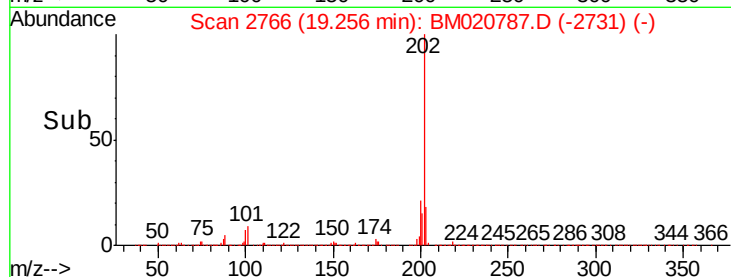
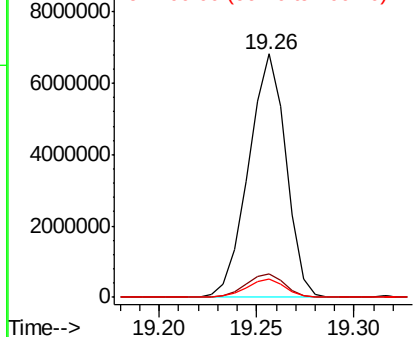
Tot Ion:	202	Resp:	9038665
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.9	11.9
100	7.4	6.2	9.4

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): B



#79

Pyrene

Concen: 83.641 ng/ul

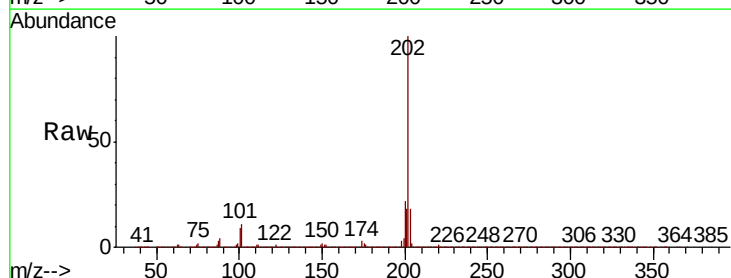
RT: 19.62 min Scan# 2828

Delta R.T. 0.01 min

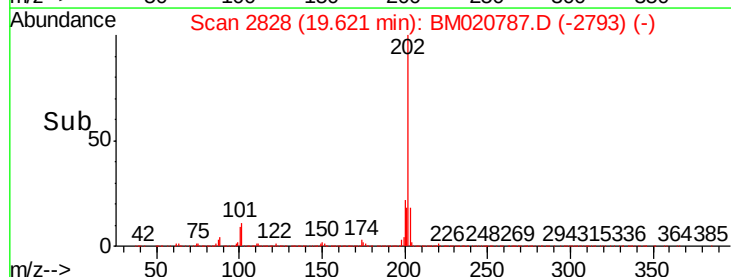
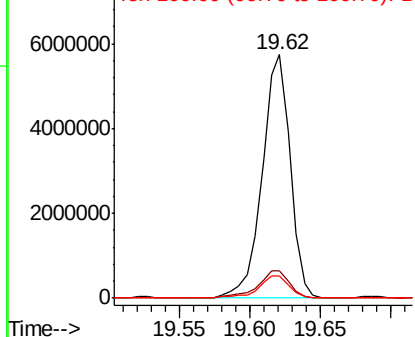
Lab File: BM020787.D

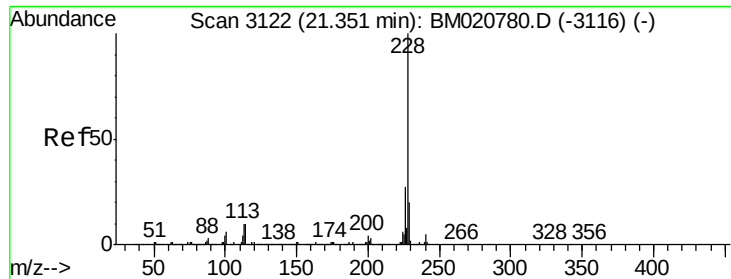
Acq: 07 Jun 2019 05:26

Tgt Ion:	202	Resp:	8015393
Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.6
100	9.1	8.0	12.0



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): B





#82

Benzo(a)anthracene

Concen: 49.045 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

C0AB7

Tot Ion:228 Resp: 4749792

Ion Ratio Lower Upper

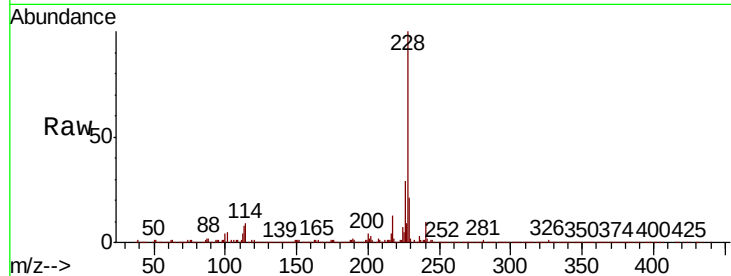
228 100

229 20.7 15.6 23.4

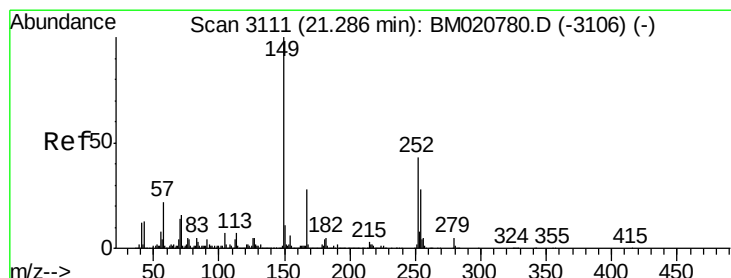
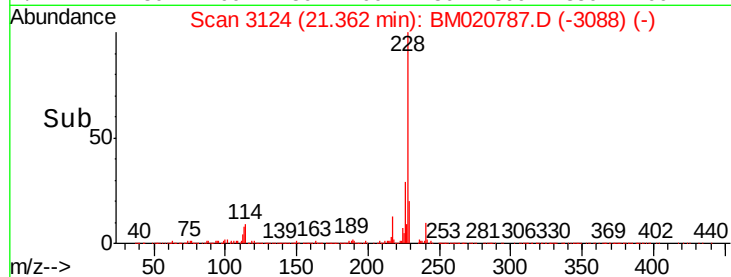
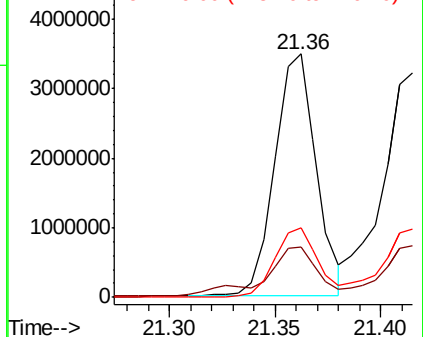
226 28.8 21.4 32.2

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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: 1.540 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

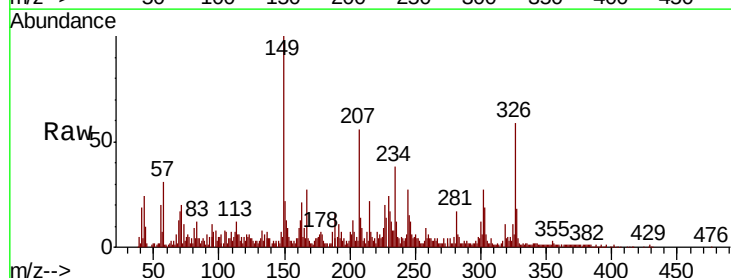
Tgt Ion:149 Resp: 101465

Ion Ratio Lower Upper

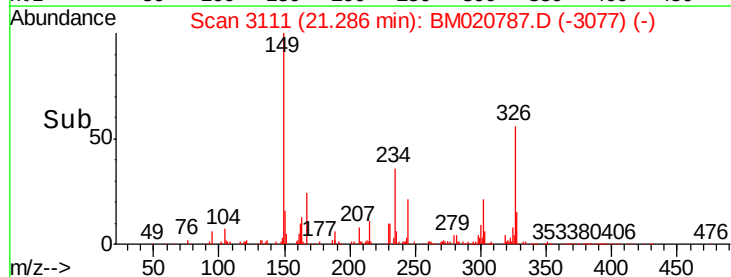
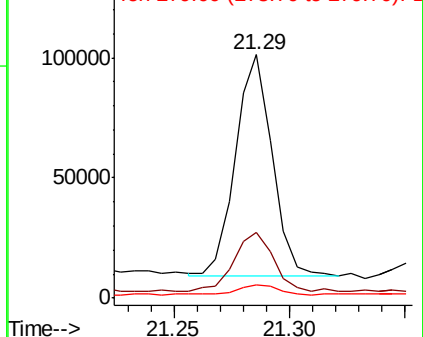
149 100

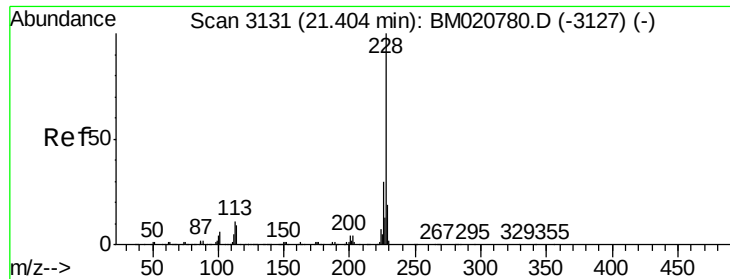
167 27.2 21.9 32.9

279 5.4 4.1 6.1



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: 52.026 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

C0AB7

Tot Ion:228 Resp: 4675219

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

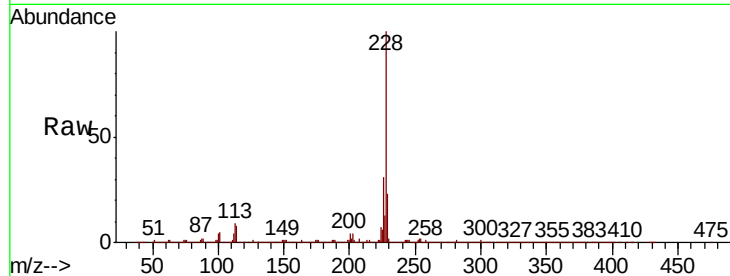
229 22.7 16.2 24.2

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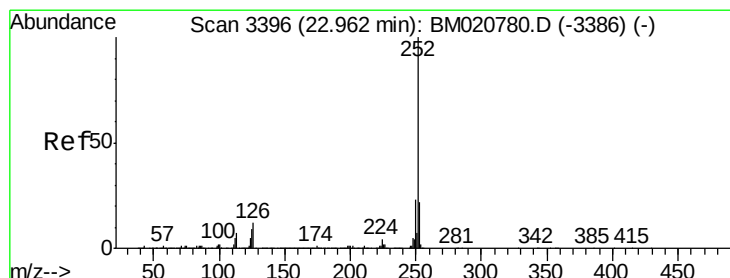
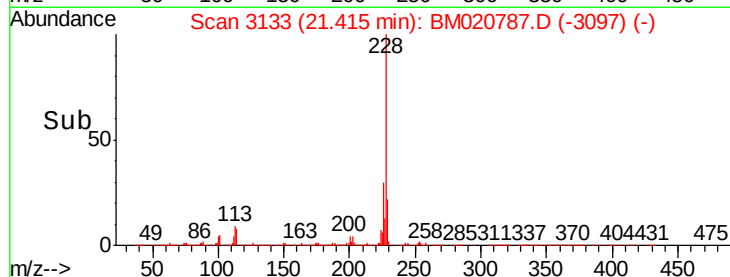
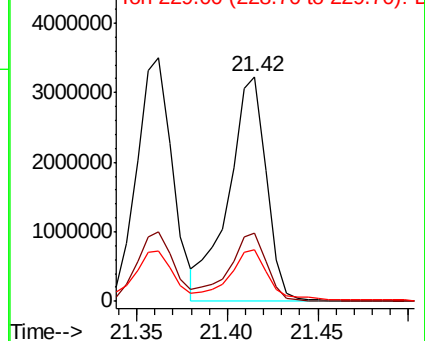
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 57.513 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

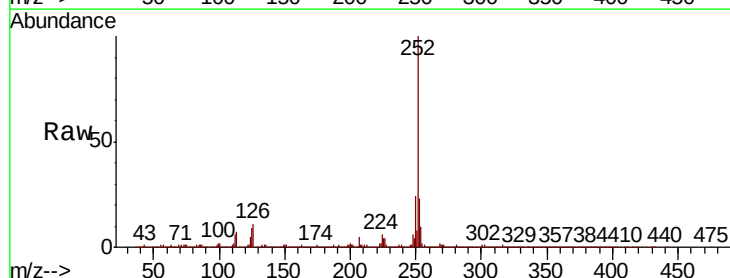
Tgt Ion:252 Resp: 5989785

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

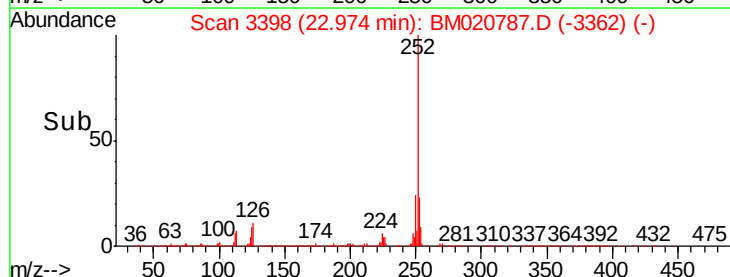
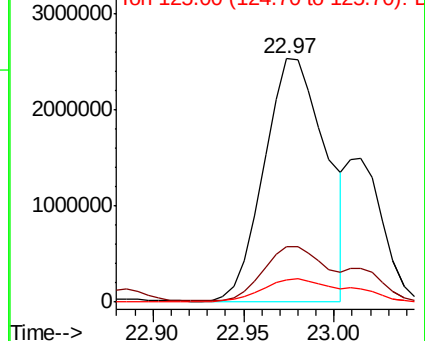
125 9.3 7.3 10.9

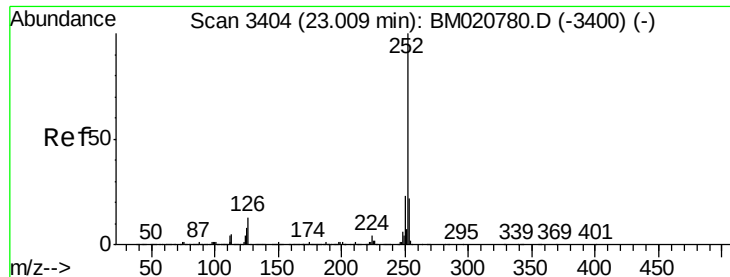


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 20.204 ng/ul m

RT: 23.01 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

C0AB7

Tot Ion:252 Resp: 2011162

Ion Ratio Lower Upper

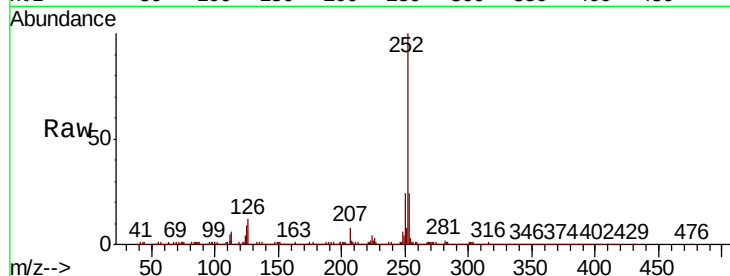
252 100

253 23.6 17.6 26.4

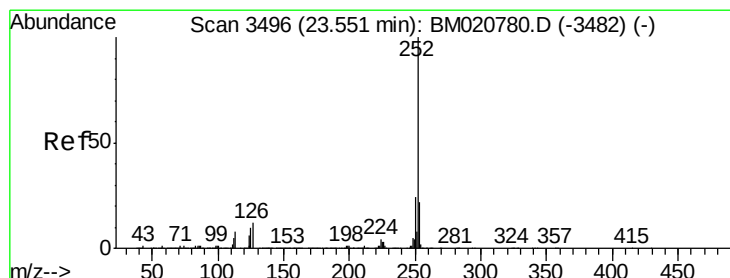
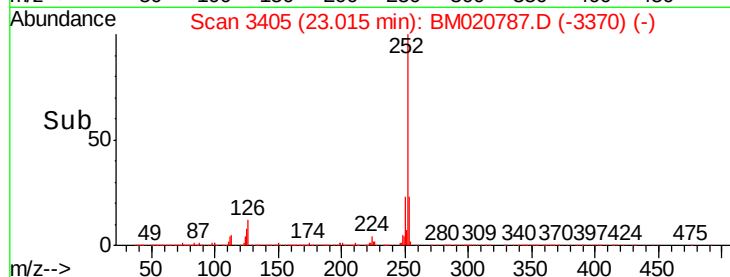
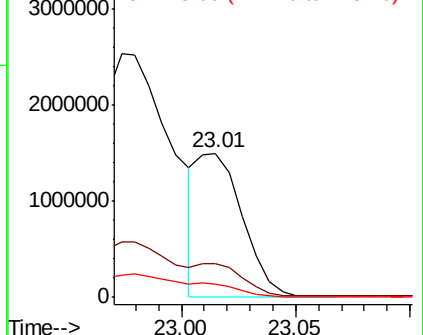
125 8.8 7.3 10.9

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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



#90

Benzo(a)pyrene

Concen: 41.732 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

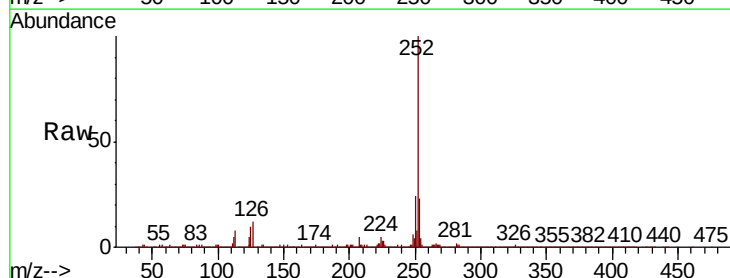
Tgt Ion:252 Resp: 4134836

Ion Ratio Lower Upper

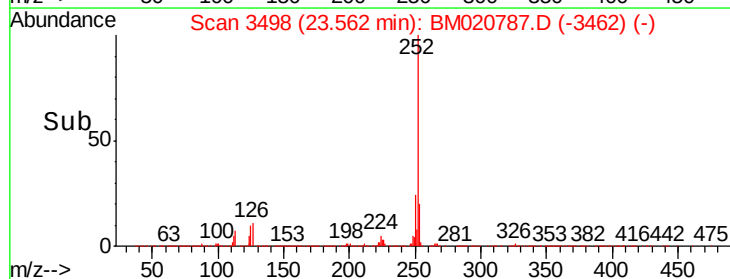
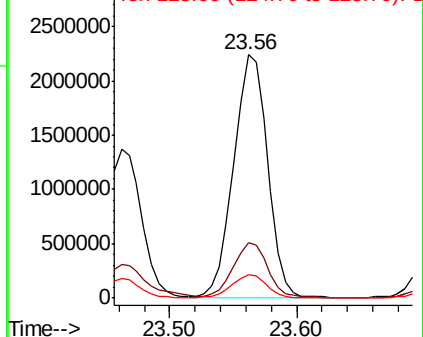
252 100

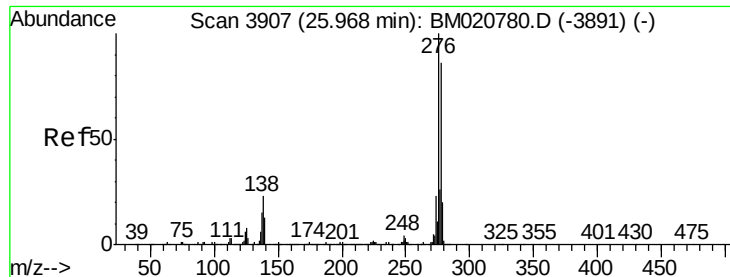
253 23.0 17.0 25.6

125 9.8 8.2 12.4



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





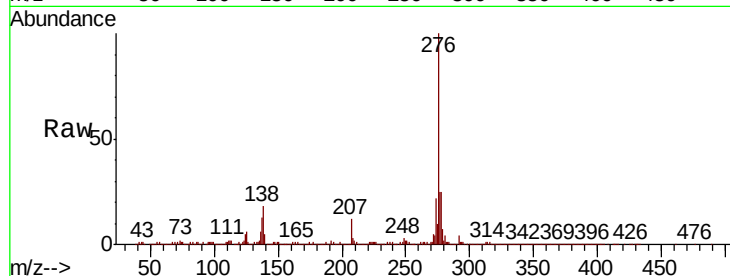
#91
Indeno(1,2,3-cd)pyrene
Concen: 23.917 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Instrument :
BNA_M
ClientSampled :
C0AB7

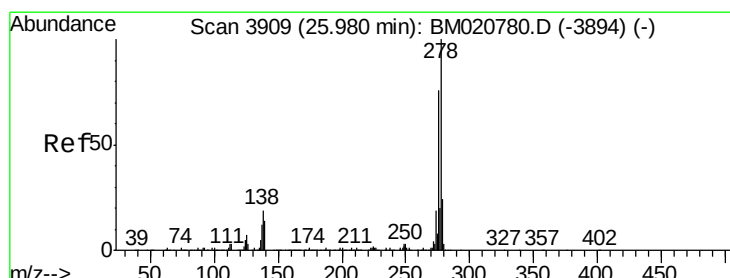
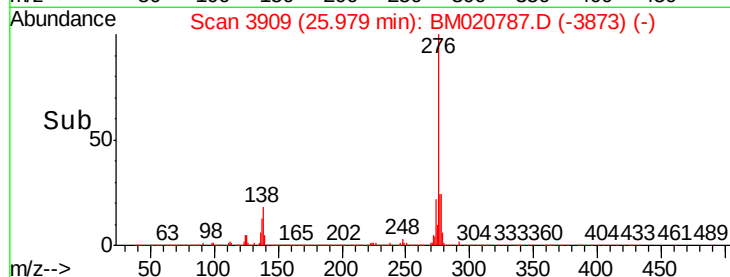
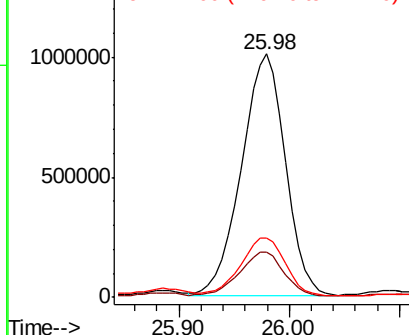
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.8	26.8
277	24.5	20.0	30.0

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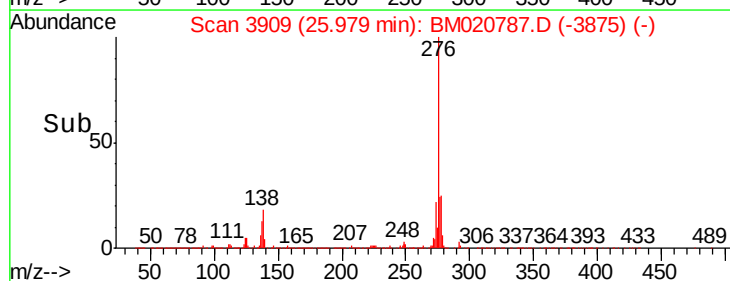
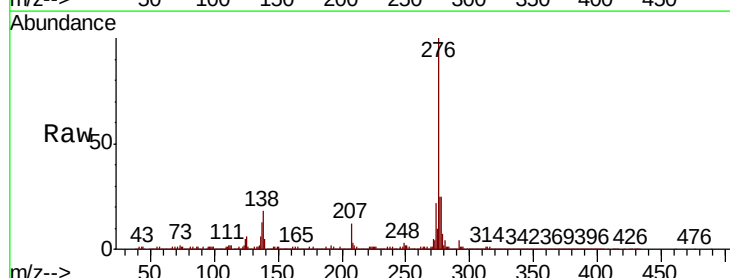
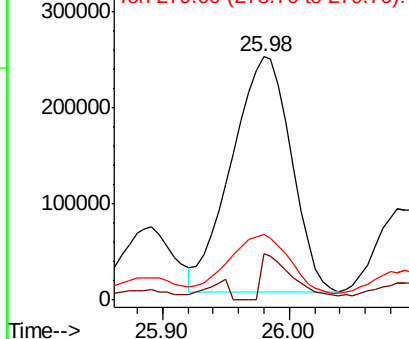
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

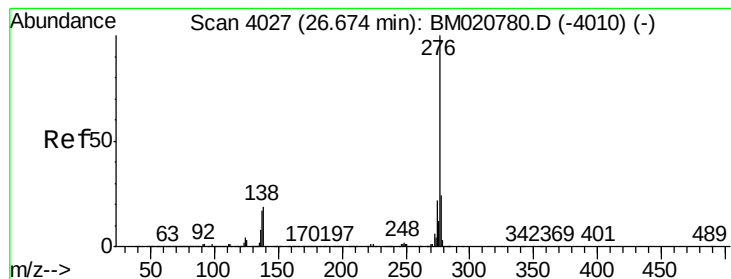


#92
Dibenzo(a,h)anthracene
Concen: 8.018 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	11.6	17.4#
279	26.8	18.6	28.0

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(a,h,i)perylene

Concen: 22.255 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.02 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

C0AB7

Tot Ion:276 Resp: 2112926

Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.3 19.6 29.4

Manual Integrations

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