

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020805.D
 Acq On : 07 Jun 2019 15:50
 Operator : HP/JU
 Sample : K3201-11DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2DL

Quant Time: Jun 08 00:25:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	315659	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1288173	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	721570	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1531123	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1342547	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1546719	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	16649	2.51	ng/uL	0.00
5) Phenol-d5	6.97	99	326184	13.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	210132	14.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	288929	15.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	253151	13.03	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	140626	15.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	153104	16.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	285659	15.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	303817	13.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	866956	16.24	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1056388	15.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	101401	11.07	ng/ul	0.00
57) Fluorene-d10	15.44	176	714309	15.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	42745	5.46	ng/ul	0.00
70) Anthracene-d10	17.29	188	1050004	15.70	ng/ul	0.00
78) Pyrene-d10	19.59	212	1047170	16.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1066948	15.18	ng/ul	0.00

Target Compounds

					Qvalue
17) Hexachloroethane	8.90	117	9387	1.128 ng/ul#	4
28) Naphthalene	10.66	128	119662	1.978 ng/ul	100
34) 2-Methylnaphthalene	12.27	142	72691	1.636 ng/ul	99
44) Dimethylphthalate	13.91	163	339549	6.353 ng/ul	99
49) Acenaphthene	14.52	153	201808	4.415 ng/ul	96
53) Dibenzofuran	14.85	168	237416	3.672 ng/ul	98
58) Fluorene	15.50	166	236151	4.550 ng/ul	97
69) Phenanthrene	17.24	178	2980381	38.677 ng/ul	100
71) Anthracene	17.33	178	799104	10.117 ng/ul	100
74) Carbazole	17.60	167	335044	4.878 ng/ul	98
76) Fluoranthene	19.26	202	3469552	39.290 ng/ul	99
79) Pyrene	19.62	202	2863805	34.557 ng/ul	97
82) Benzo(a)anthracene	21.36	228	1761851	21.037 ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.29	149	125021	2.195 ng/ul	100
84) Chrysene	21.41	228	1527904	19.661 ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	1898903	21.104 ng/ul	98
88) Benzo(k)fluoranthene	22.98	252	1898903	22.080 ng/ul	98
90) Benzo(a)pyrene	23.57	252	1276199	14.909 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.98	276	781761	7.732 ng/ul	96
92) Dibenz(a,h)anthracene	25.99	278	256210	2.991 ng/ul#	91
93) Benzo(g,h,i)perylene	26.69	276	543657	6.628 ng/ul	99

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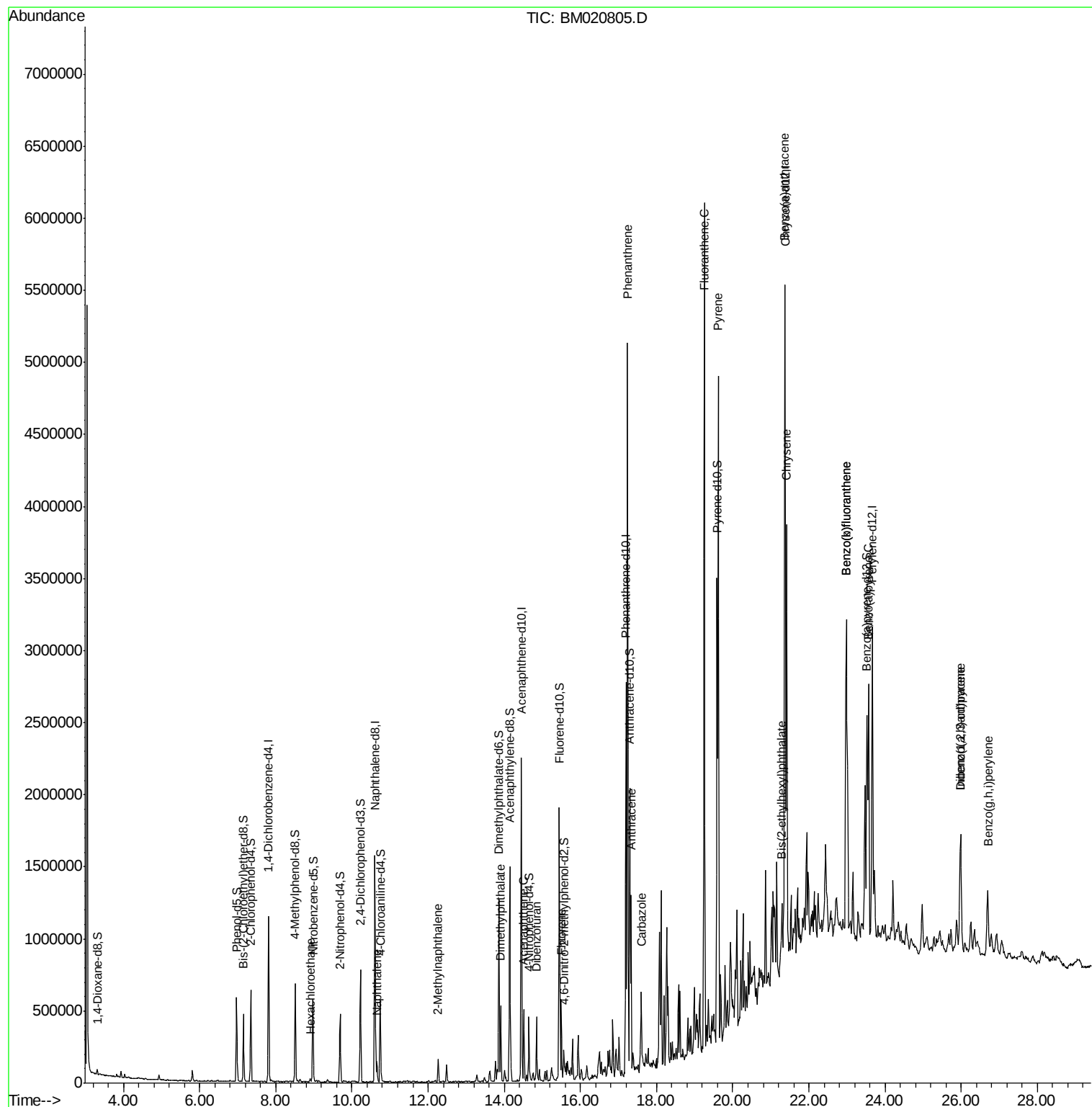
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

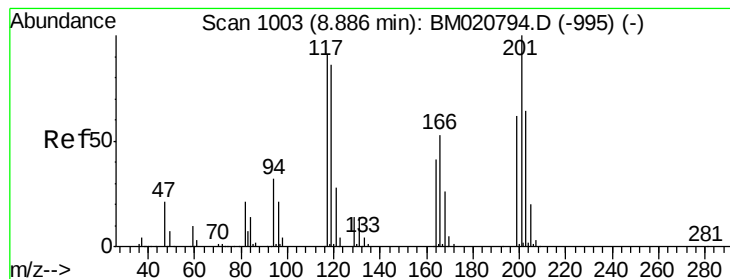
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Instrument :
BNA_M
ClientSampled :
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Quant Time: Jun 08 00:25:30 2019
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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.128 ng/ul

RT: 8.90 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

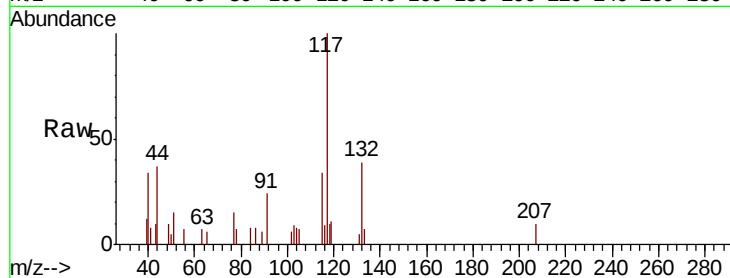
Tgt Ion:117 Resp: 9387

Ion Ratio Lower Upper

117 100

201 0.0 85.9 128.9#

199 0.0 53.5 80.3#

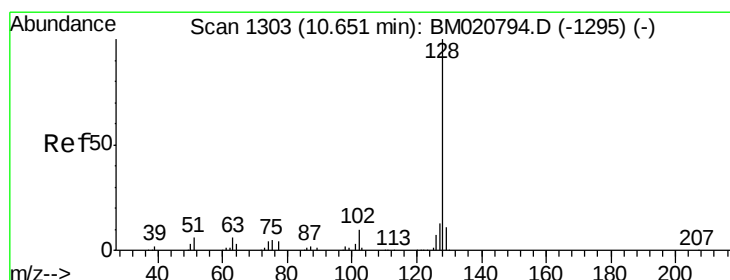
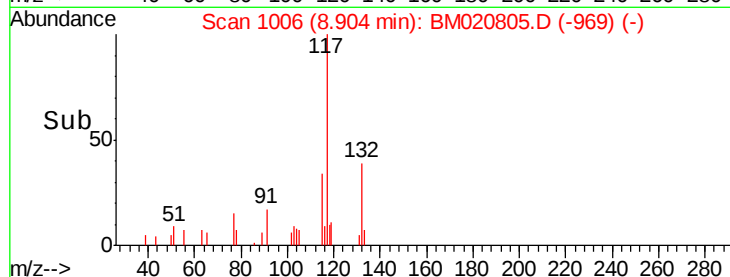
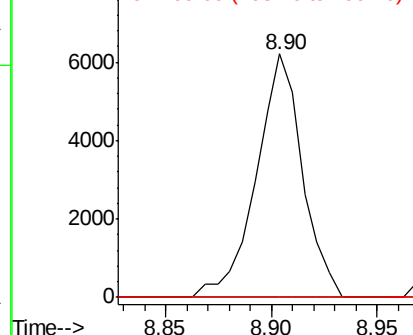


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 1.978 ng/ul

RT: 10.66 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

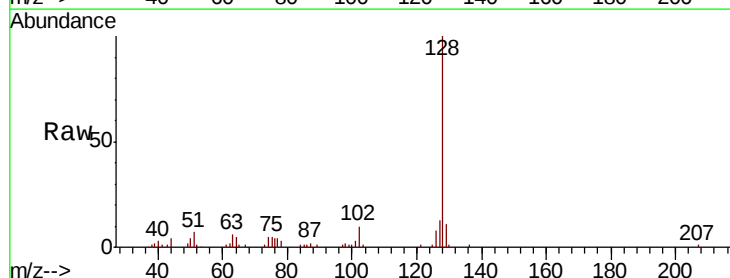
Tgt Ion:128 Resp: 119662

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.7 10.2 15.2

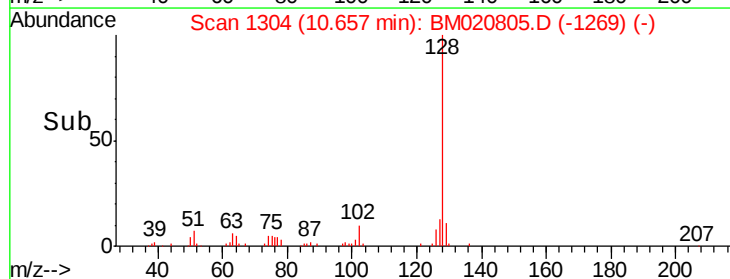
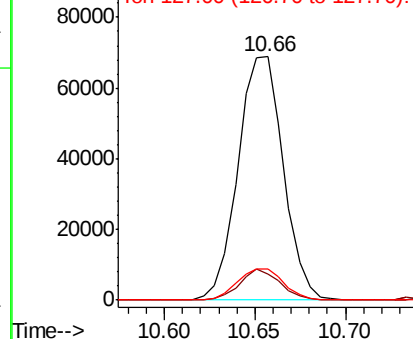


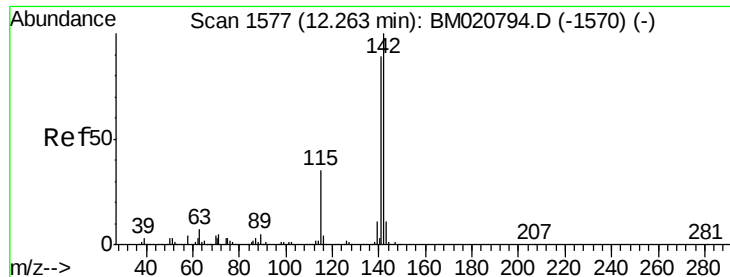
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

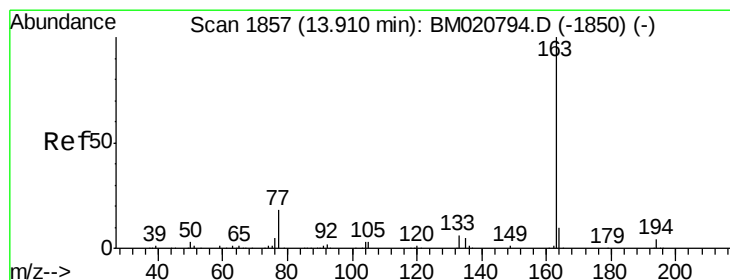
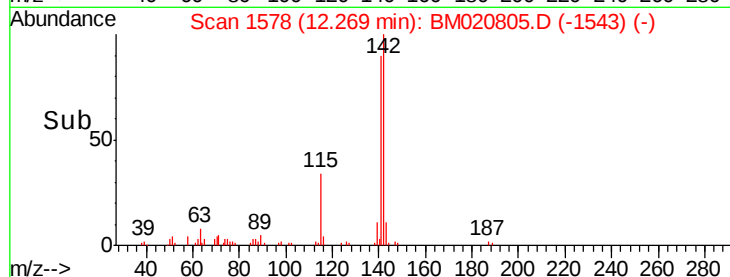
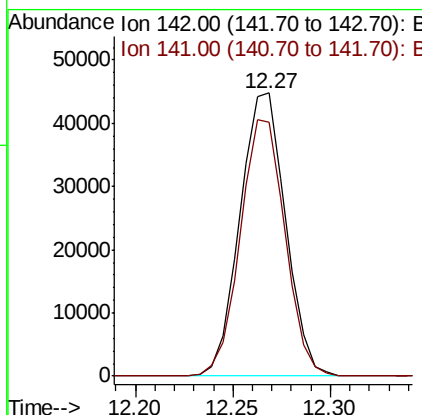
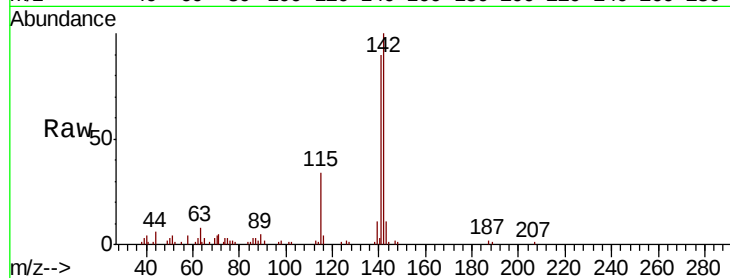




#34
 2-Methylnaphthalene
 Concen: 1.636 ng/ul
 RT: 12.27 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: BM020805.D
 Acq: 07 Jun 2019 15:50

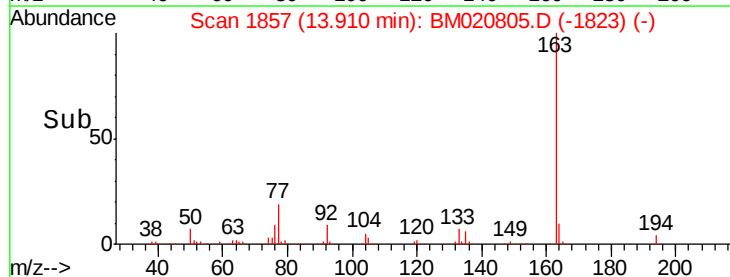
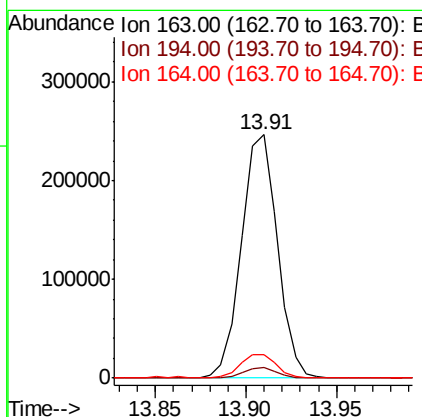
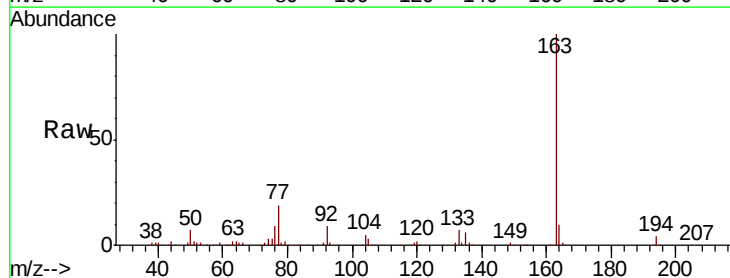
Instrument :
 BNA_M
 ClientSampleId :
 C0AC2DL

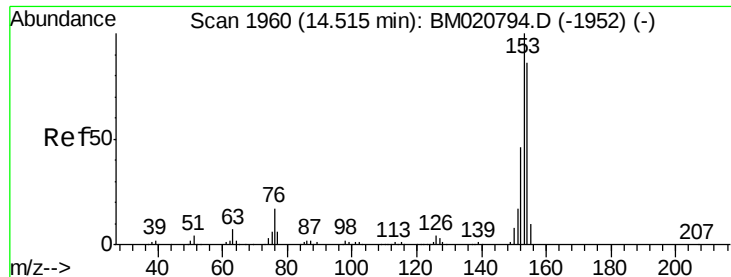
Tgt Ion:142 Resp: 72691
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.4 107.0



#44
 Dimethylphthalate
 Concen: 6.353 ng/ul
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: BM020805.D
 Acq: 07 Jun 2019 15:50

Tgt Ion:163 Resp: 339549
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.2 4.8
 164 9.7 8.0 12.0





#49

Acenaphthene

Concen: 4.415 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

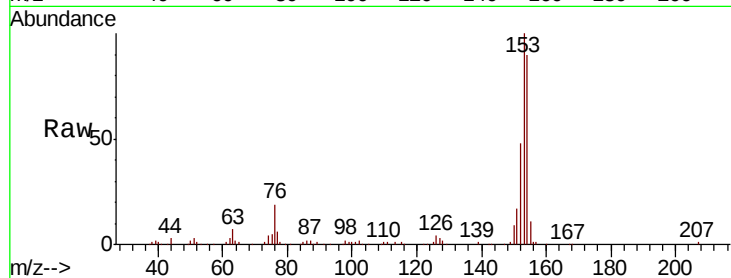
Tgt Ion:153 Resp: 201808

Ion Ratio Lower Upper

153 100

152 48.2 37.3 55.9

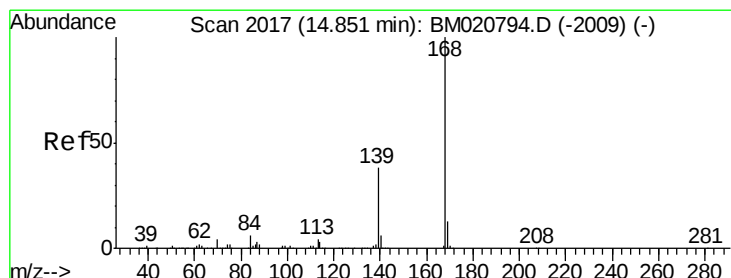
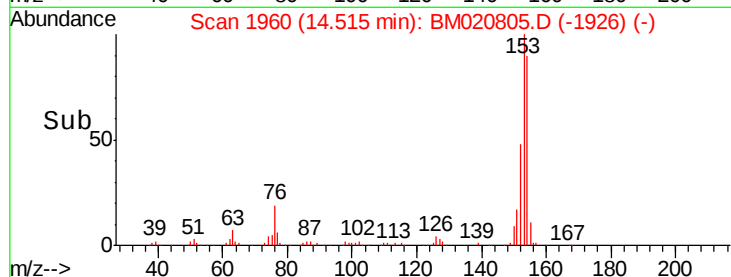
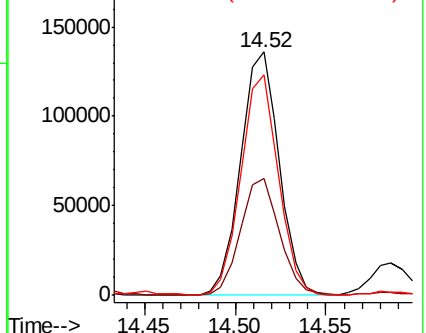
154 90.4 68.7 103.1



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

Dibenzofuran

Concen: 3.672 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM020805.D

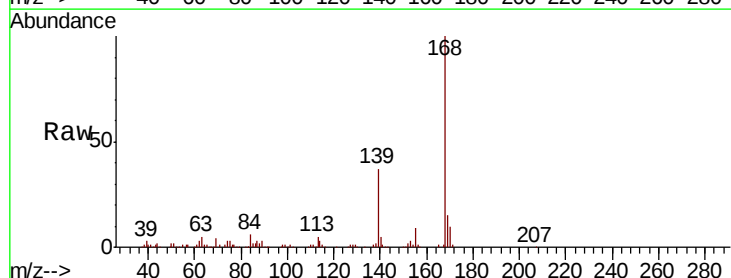
Acq: 07 Jun 2019 15:50

Tgt Ion:168 Resp: 237416

Ion Ratio Lower Upper

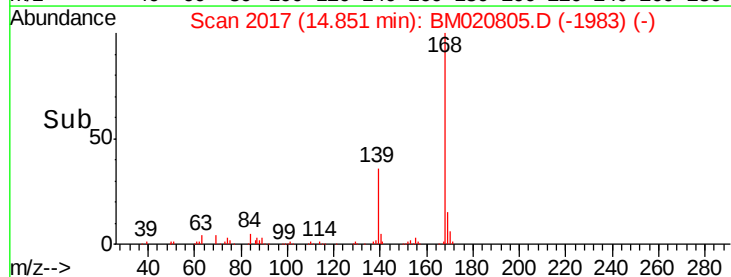
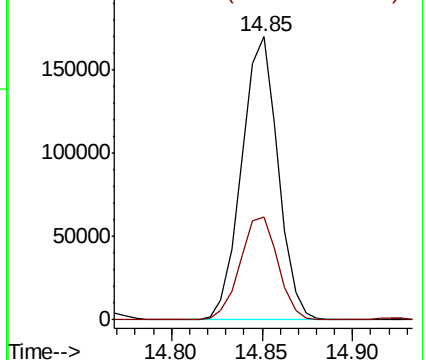
168 100

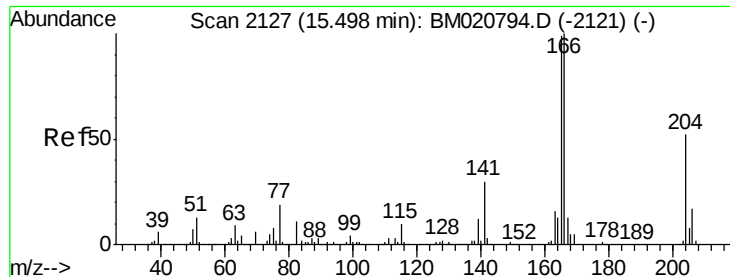
139 36.6 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.550 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

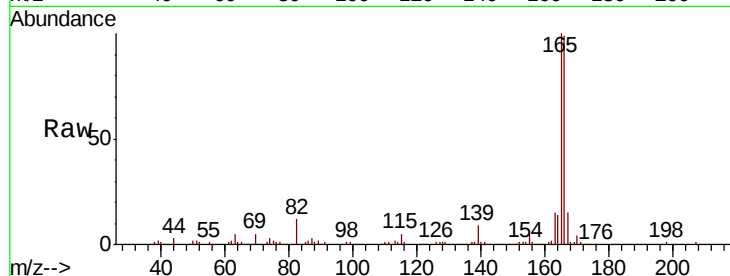
Tgt Ion:166 Resp: 236151

Ion Ratio Lower Upper

166 100

165 100.8 78.6 117.8

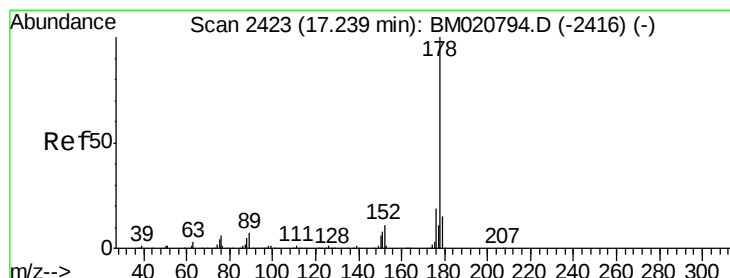
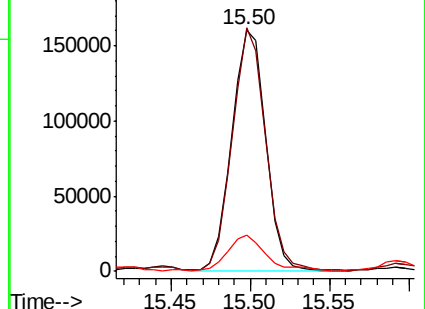
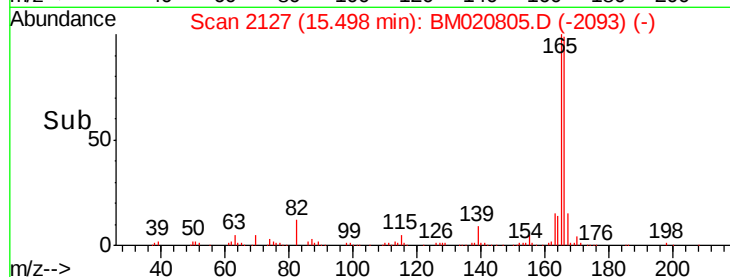
167 15.0 10.8 16.2



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: 38.677 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

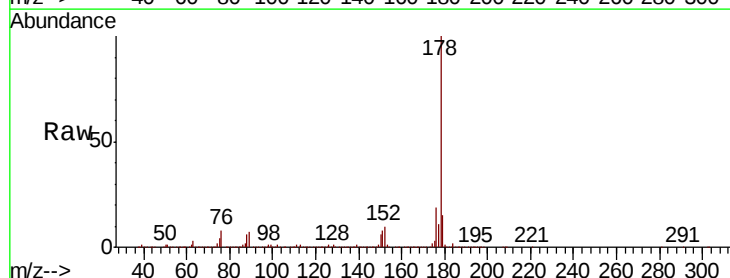
Tgt Ion:178 Resp: 2980381

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

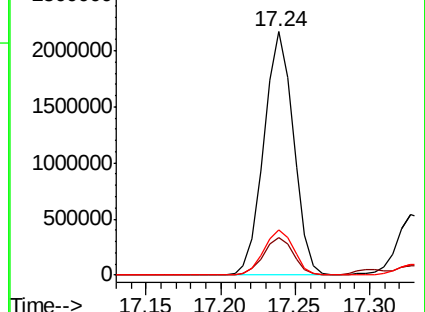
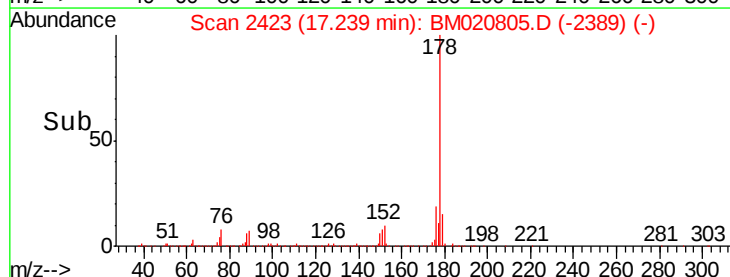
176 18.8 14.8 22.2

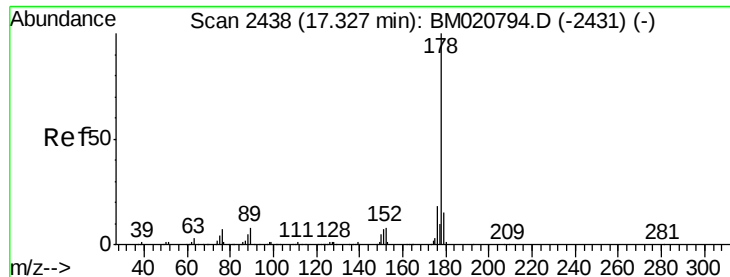


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 10.117 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

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ClientSampleId :

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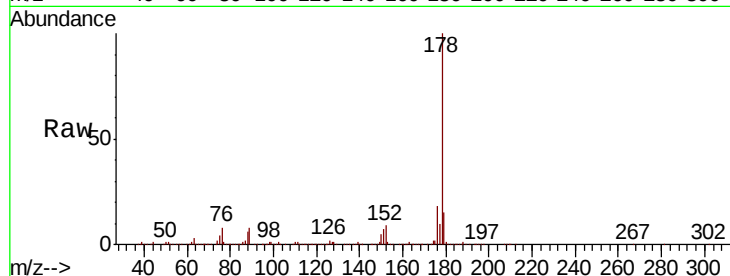
Tgt Ion:178 Resp: 799104

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 18.4 14.9 22.3

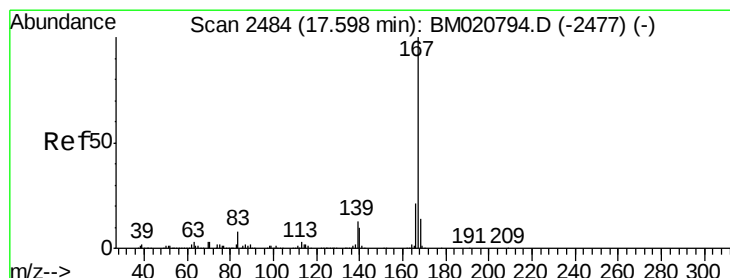
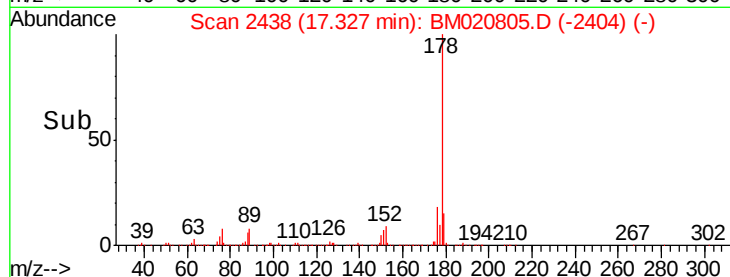
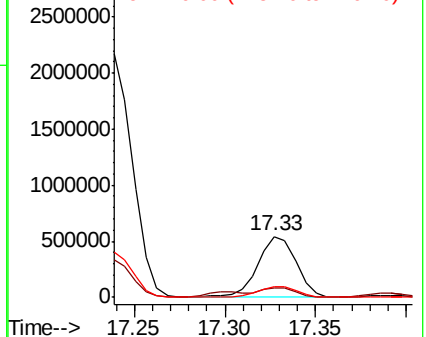


Abundance

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: 4.878 ng/ul

RT: 17.60 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

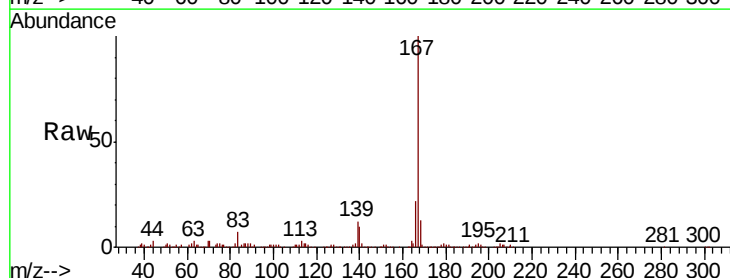
Tgt Ion:167 Resp: 335044

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

139 12.1 10.5 15.7

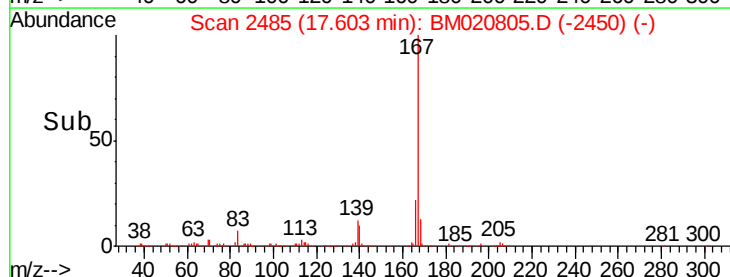
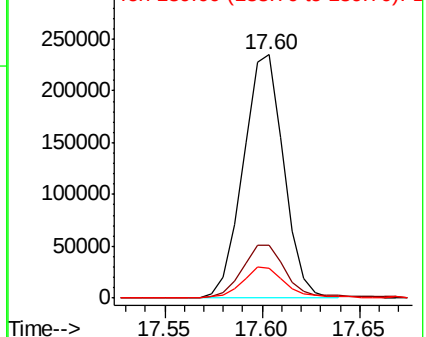


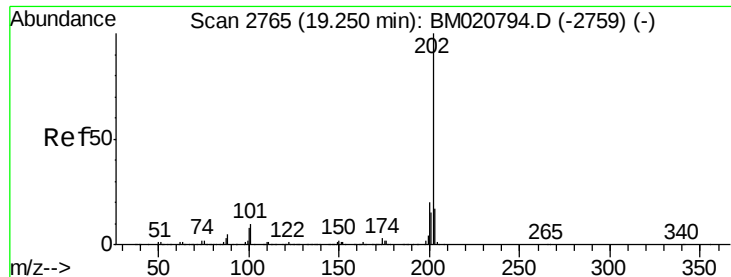
Abundance

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

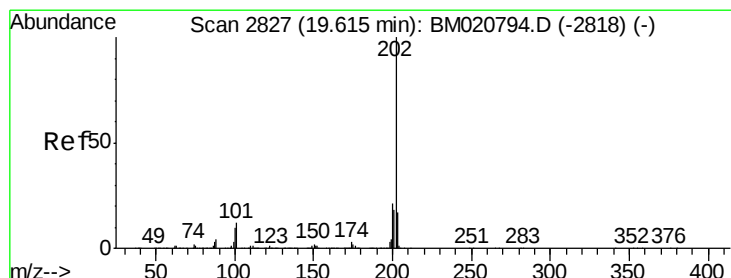
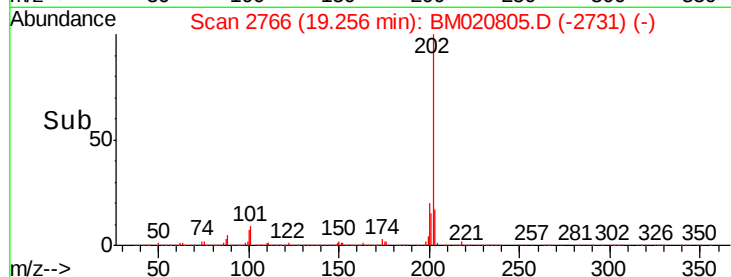
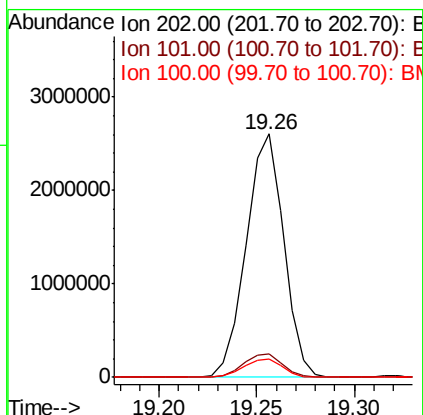
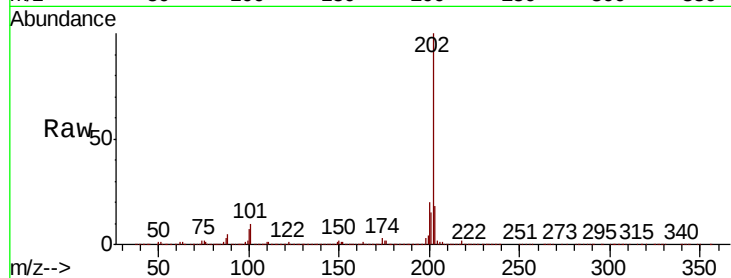




#76
 Fluoranthene
 Concen: 39.290 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020805.D
 Acq: 07 Jun 2019 15:50

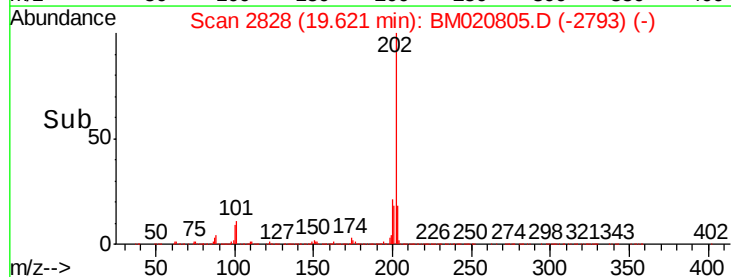
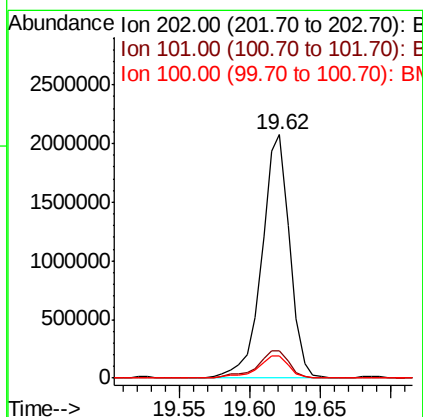
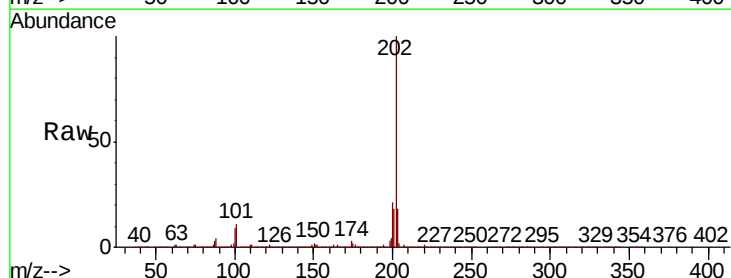
Instrument :
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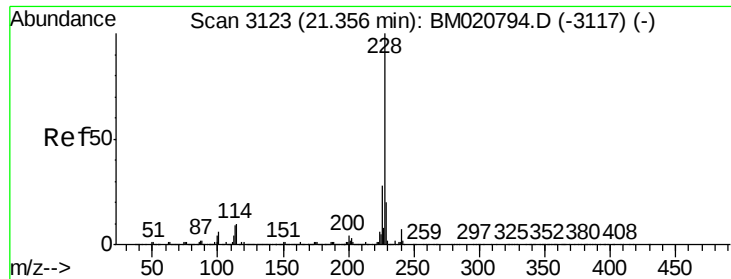
Tgt Ion:202 Resp: 3469552
 Ion Ratio Lower Upper
 202 100
 101 9.5 7.9 11.9
 100 7.3 6.2 9.4



#79
 Pyrene
 Concen: 34.557 ng/ul
 RT: 19.62 min Scan# 2828
 Delta R.T. 0.01 min
 Lab File: BM020805.D
 Acq: 07 Jun 2019 15:50

Tgt Ion:202 Resp: 2863805
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.8 14.6
 100 9.0 8.0 12.0





#82

Benzo(a)anthracene

Concen: 21.037 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

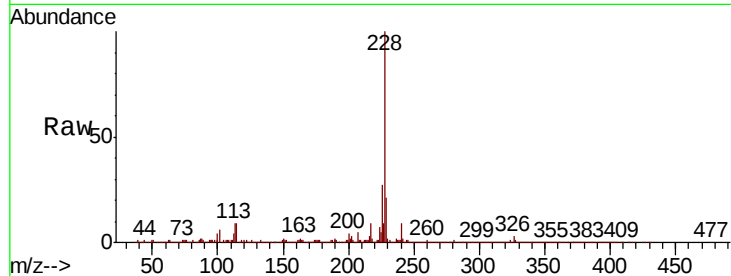
Tgt Ion:228 Resp: 1761851

Ion Ratio Lower Upper

228 100

229 20.8 15.6 23.4

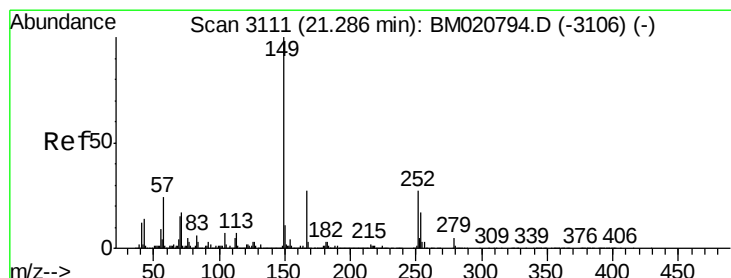
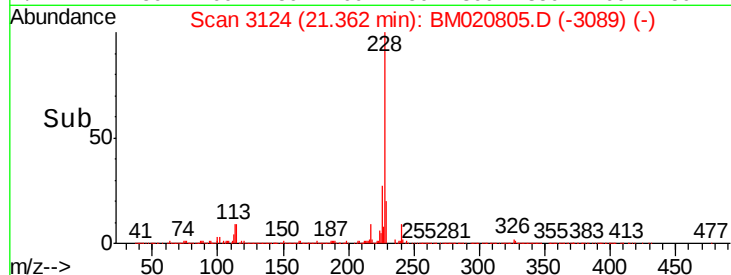
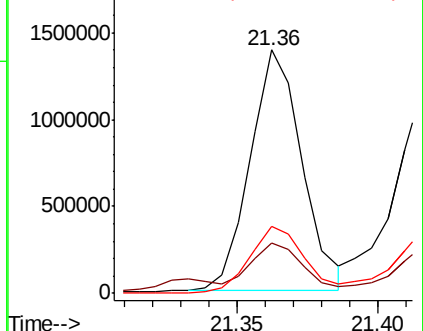
226 27.5 21.4 32.2



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: 2.195 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

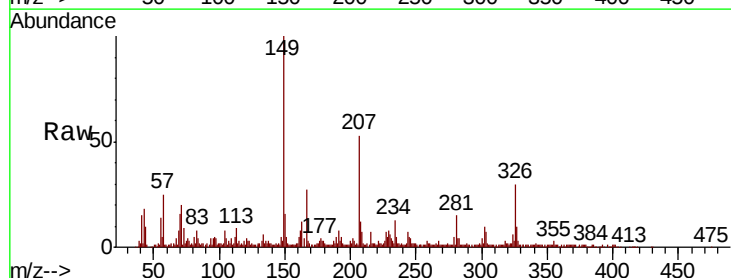
Tgt Ion:149 Resp: 125021

Ion Ratio Lower Upper

149 100

167 27.3 21.9 32.9

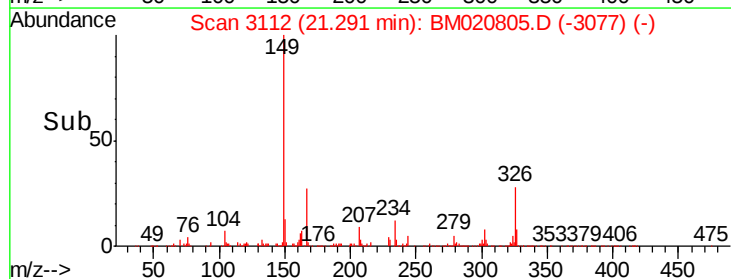
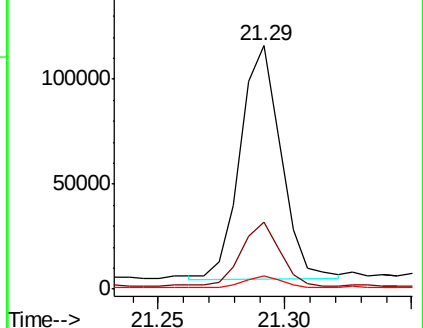
279 5.4 4.1 6.1

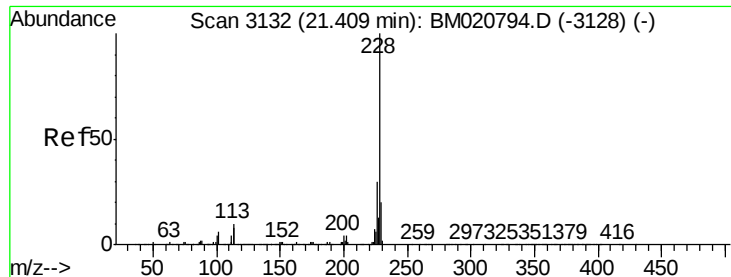


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 19.661 ng/ul

RT: 21.41 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

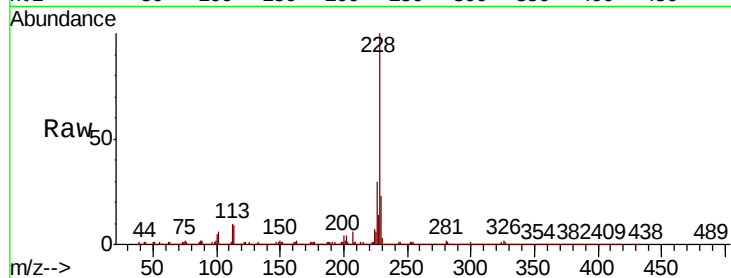
Tgt Ion:228 Resp: 1527904

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

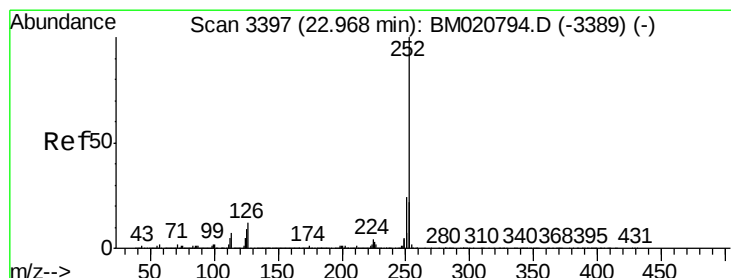
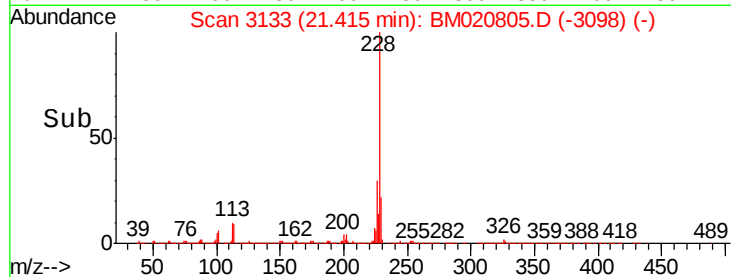
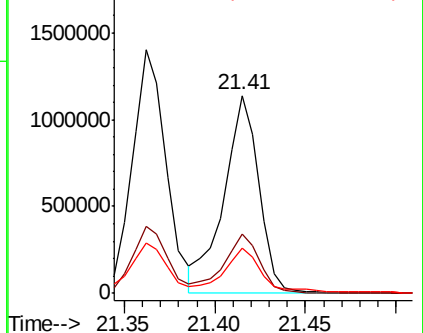
229 22.8 16.2 24.2



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: 21.104 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

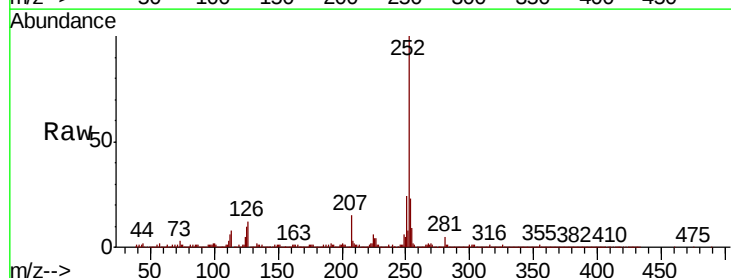
Tgt Ion:252 Resp: 1898903

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

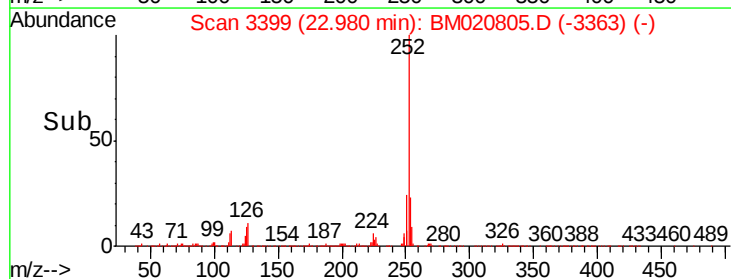
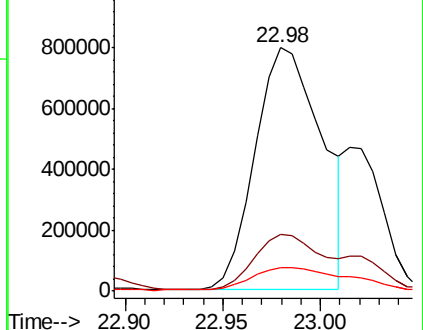
125 9.8 7.3 10.9

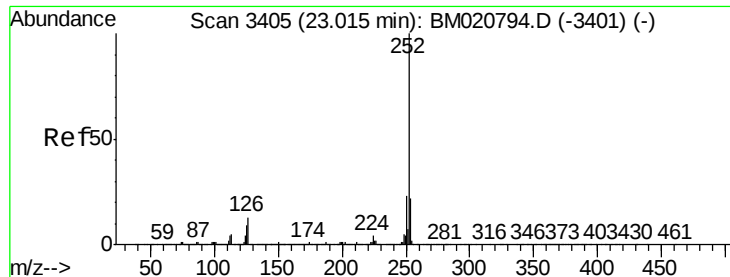


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 22.080 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. -0.04 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

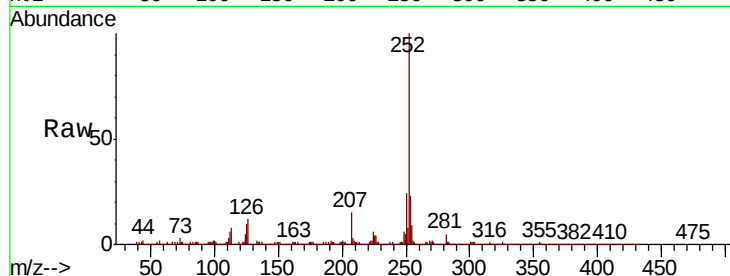
Tgt Ion:252 Resp: 1898903

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

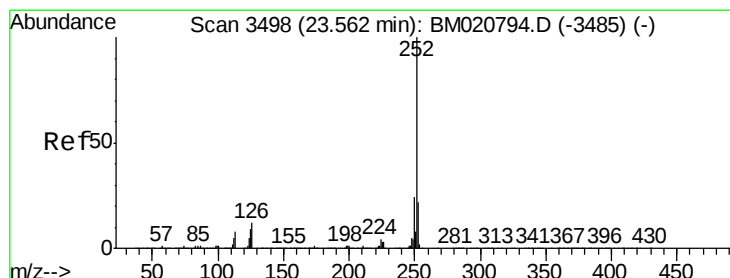
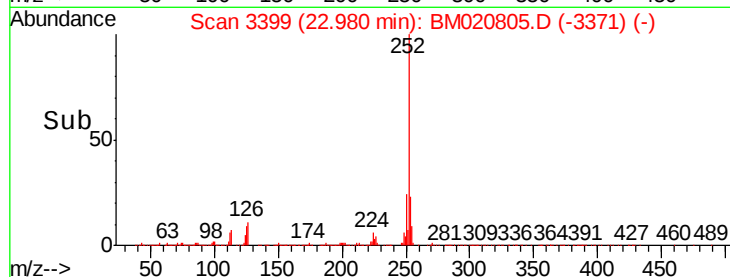
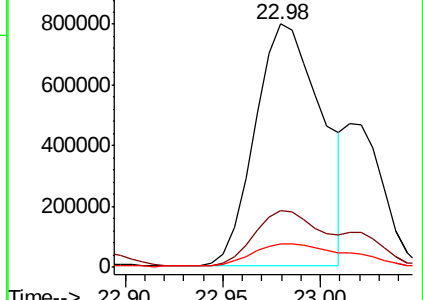
125 9.8 7.3 10.9



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: 14.909 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

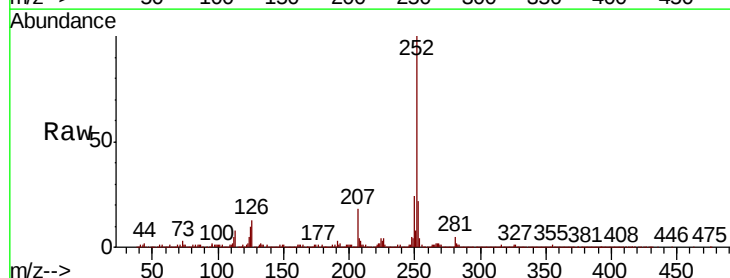
Tgt Ion:252 Resp: 1276199

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

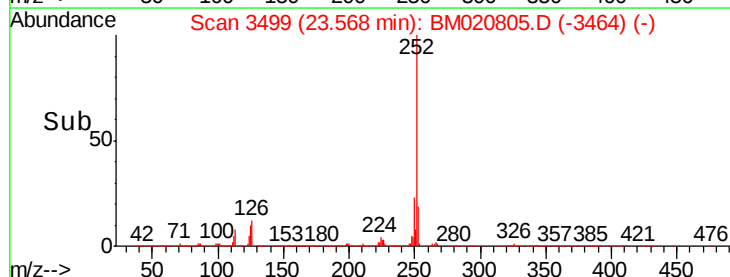
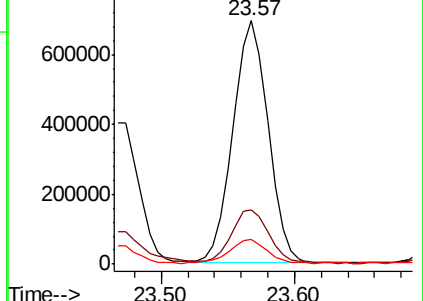
125 10.1 8.2 12.4

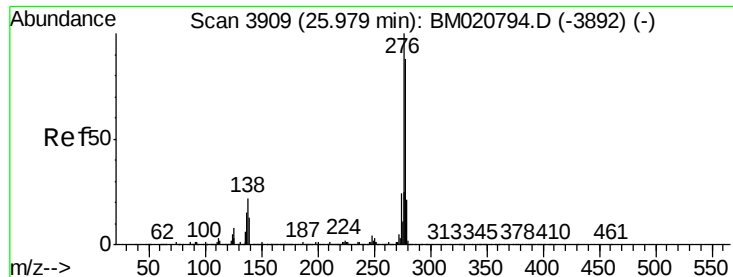


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.732 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

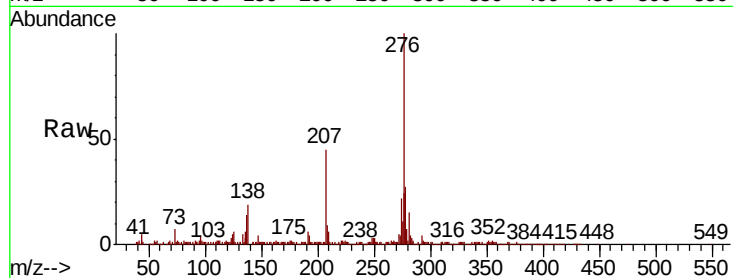
Tgt Ion:276 Resp: 781761

Ion Ratio Lower Upper

276 100

138 19.1 17.8 26.8

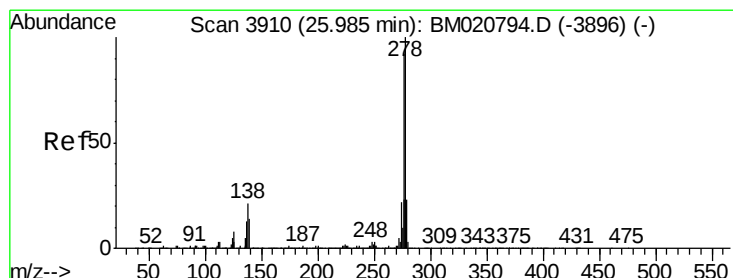
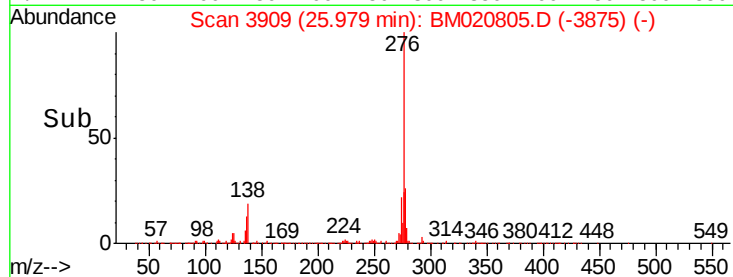
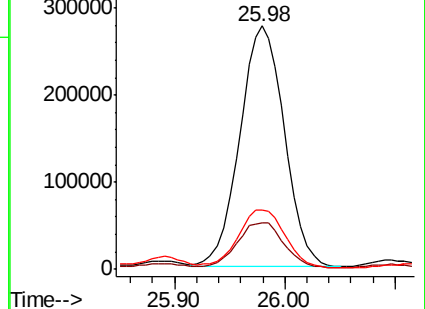
277 24.5 20.0 30.0



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: 2.991 ng/ul

RT: 25.99 min Scan# 3910

Delta R.T. -0.00 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

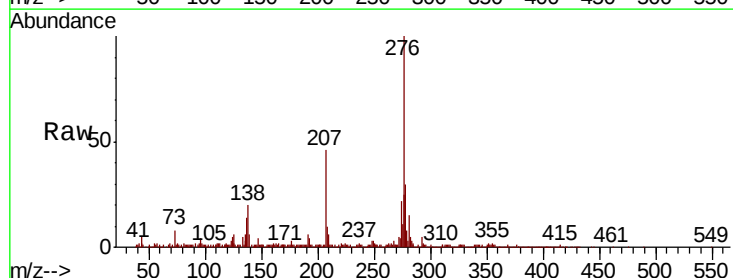
Tgt Ion:278 Resp: 256210

Ion Ratio Lower Upper

278 100

139 18.5 11.6 17.4#

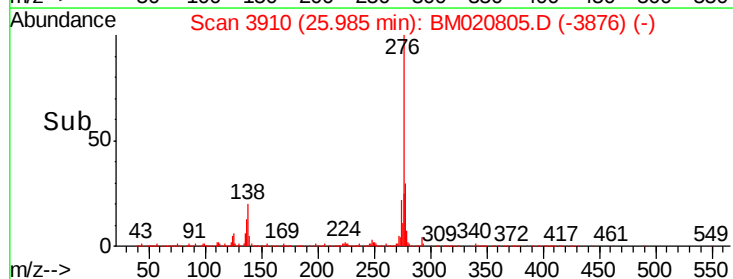
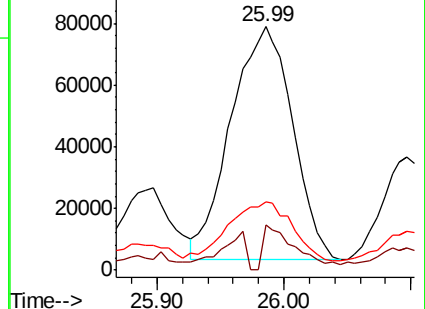
279 27.9 18.6 28.0

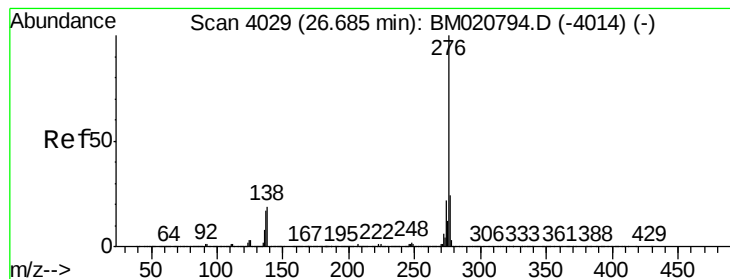


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 6.628 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020805.D

Acq: 07 Jun 2019 15:50

Instrument :

BNA_M

ClientSampleId :

C0AC2DL

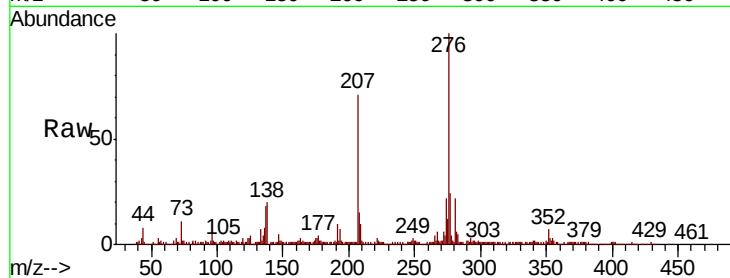
Tgt Ion:276 Resp: 543657

Ion Ratio Lower Upper

276 100

138 19.8 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

