

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071620\
 Data File : BM026791.D
 Acq On : 16 Jul 2020 18:54
 Operator : JU/CG
 Sample : PB130184BL
 Misc : PBBL-SOIL-ME-06
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK84

Quant Time: Jul 17 00:40:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 16 13:06:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	63317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.05	136	278308	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	195988	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.72	188	451219	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	472822	20.00	ng/ul	0.00
86) Perylene-d12	23.01	264	469696	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	14048	6.67	ng/uL	0.00
5) Phenol-d5	6.52	99	223736	38.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	142974	36.46	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	166830	37.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	185402	39.98	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	75709	34.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	86087	36.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.70	165	163172	35.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.21	131	220273	45.52	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	574264	36.73	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	627590	33.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.23	143	63486	28.14	ng/ul	0.00
58) Fluorene-d10	14.97	176	474456	34.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	67322	23.88	ng/ul	0.00
71) Anthracene-d10	16.82	188	743772	33.47	ng/ul	0.00
79) Pyrene-d10	19.14	212	867156	35.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	903063	35.63	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.94	88	150	0.066	ng/uL# 14
4) Benzaldehyde	6.52	77	416	0.135	ng/ul# 8
8) Bis(2-Chloroethyl)ether	6.85	93	213	0.044	ng/ul# 1
20) Nitrobenzene	8.48	77	54	0.008	ng/ul# 45
21) Isophorone	9.17	82	10298	0.883	ng/ul# 75
28) Naphthalene	10.21	128	134	0.008	ng/ul# 1
45) Dimethylphthalate	13.40	163	305	0.019	ng/ul# 1
59) Fluorene	14.98	166	1015	0.061	ng/ul# 5
61) 4-Nitroaniline	15.12	138	126	0.042	ng/ul# 1
65) N-Nitrosodiphenylamine	15.13	169	682	0.045	ng/ul# 22
70) Phenanthrene	16.73	178	199	0.007	ng/ul# 1
72) Anthracene	16.73	178	199	0.007	ng/ul# 1
76) Di-n-butylphthalate	17.74	149	426	0.016	ng/ul# 78
80) Pyrene	19.14	202	1424	0.042	ng/ul# 1
81) Butylbenzylphthalate	20.12	149	80	0.007	ng/ul# 17
83) Benzo(a)anthracene	20.95	228	1344	0.041	ng/ul# 69
84) Bis(2-ethylhexyl)phthalate	20.90	149	410	0.023	ng/ul# 53
85) Chrysene	20.95	228	1344	0.042	ng/ul# 66
87) Di-n-octyl phthalate	21.75	149	145	0.005	ng/ul 100
88) Benzo(b)fluoranthene	22.41	252	230	0.007	ng/ul# 1
89) Benzo(k)fluoranthene	22.45	252	426	0.013	ng/ul# 1
91) Benzo(a)pyrene	22.93	252	144	0.005	ng/ul# 1

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 13:06:40 2020
Response via : Initial Calibration

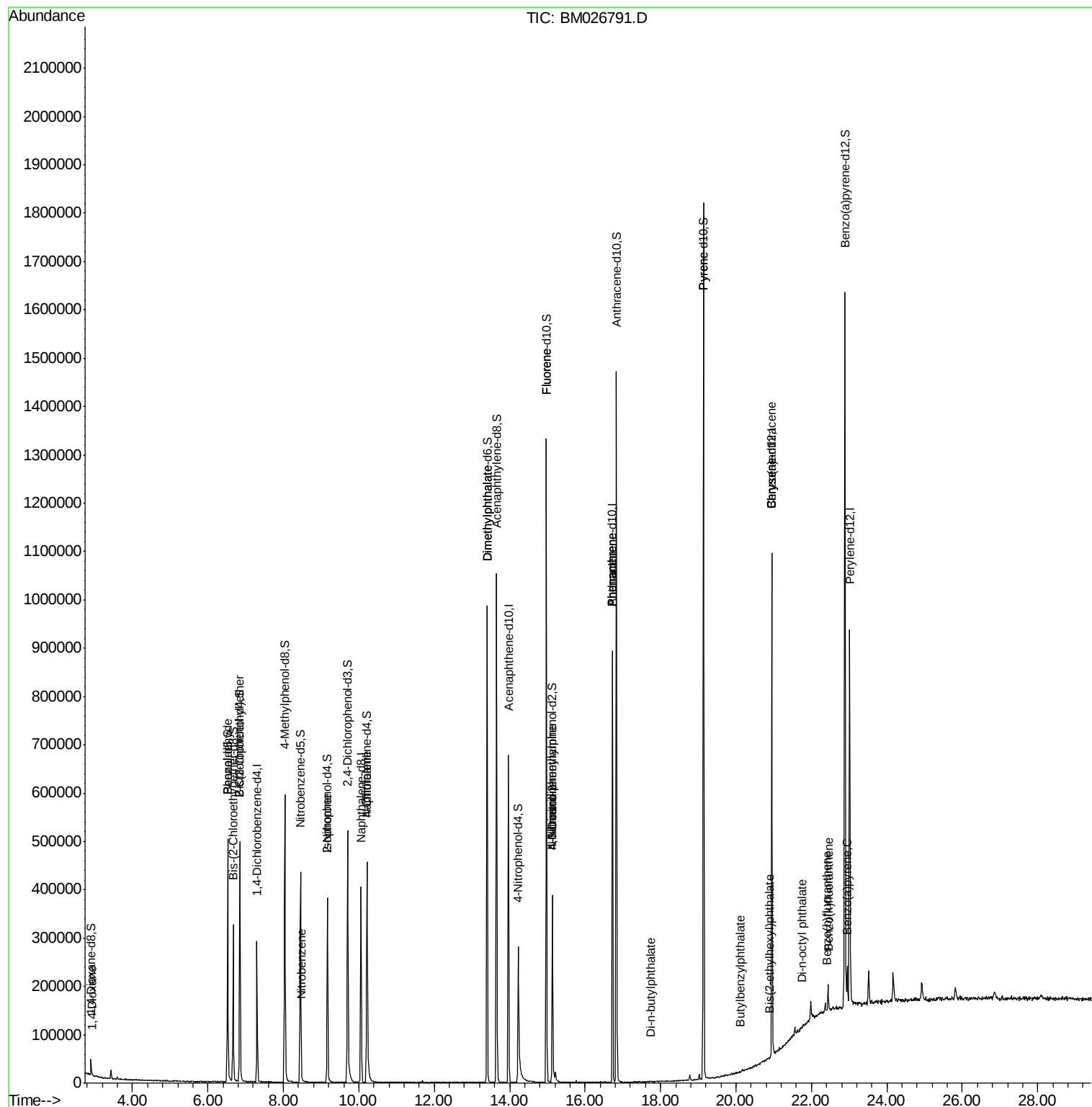
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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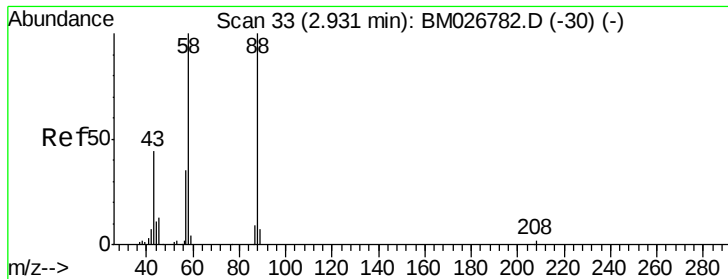
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.066 ng/uL

RT: 2.94 min Scan# 34

Delta R.T. 0.01 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

BNA_M

ClientSampled :

SBLK84

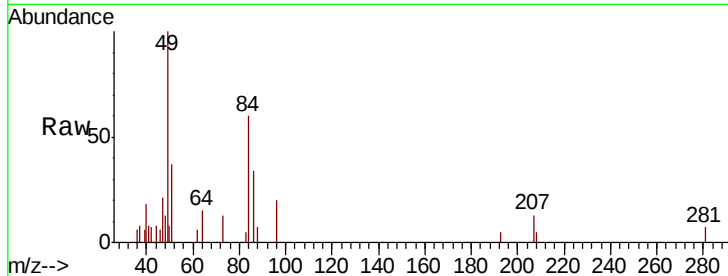
Tot Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

43 0.0 38.2 57.2#

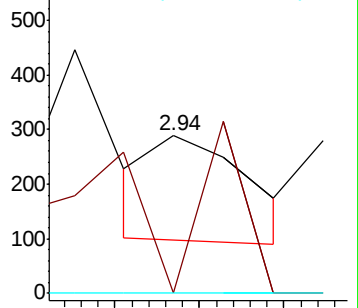
58 0.0 68.9 103.3#



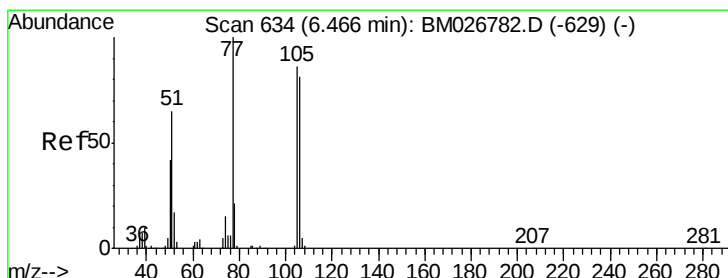
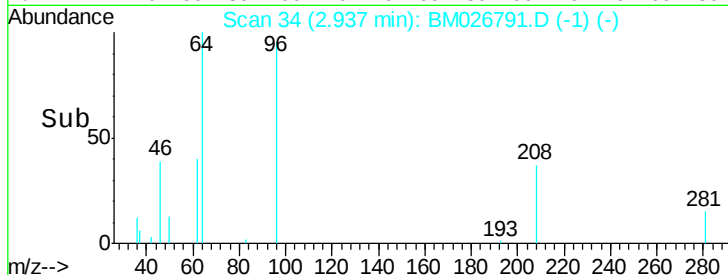
Abundance Ion 88.00 (87.70 to 88.70): BM026791.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM026791.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM026791.D (-1) (-)



Time-->



#4

Benzaldehyde

Concen: 0.135 ng/uL

RT: 6.52 min Scan# 643

Delta R.T. 0.05 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

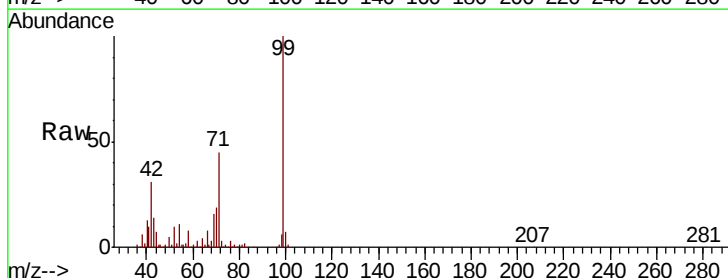
Tgt Ion: 77 Resp: 416

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

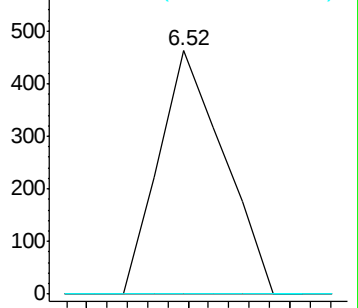
106 0.0 66.2 99.4#



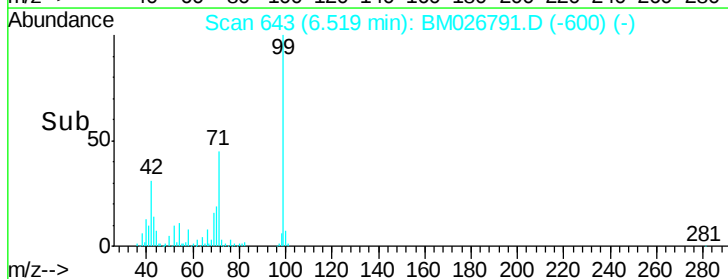
Abundance Ion 77.00 (76.70 to 77.70): BM026791.D (-600) (-)

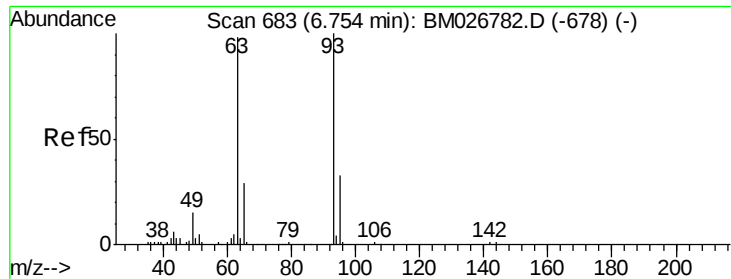
Ion 105.00 (104.70 to 105.70): BM026791.D (-600) (-)

Ion 106.00 (105.70 to 106.70): BM026791.D (-600) (-)



Time-->





#8

Bis(2-Chloroethyl)ether

Concen: 0.044 ng/ul

RT: 6.85 min Scan# 699

Delta R.T. 0.09 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

BNA_M

ClientSampleId :

SBLK84

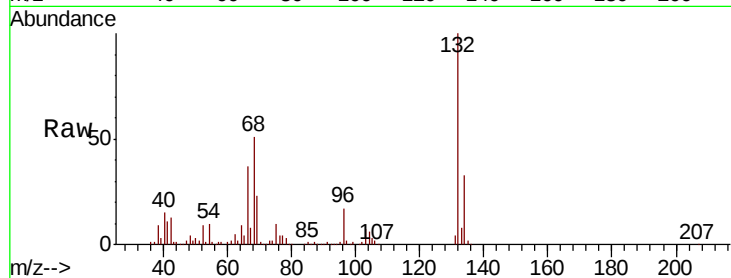
Tot Ion: 93 Resp: 213

Ion Ratio Lower Upper

93 100

63 1000.9 75.5 113.3#

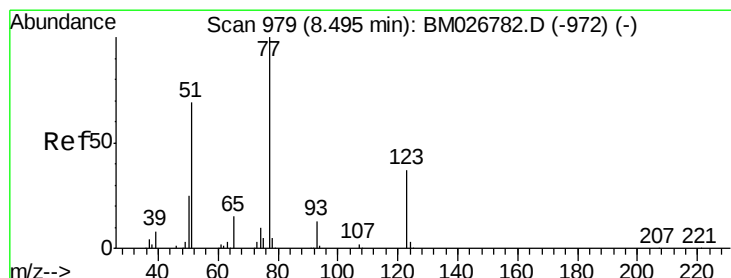
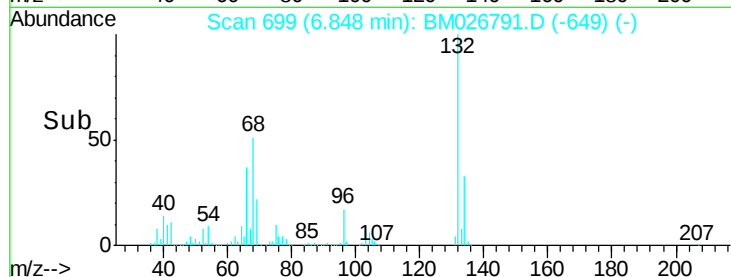
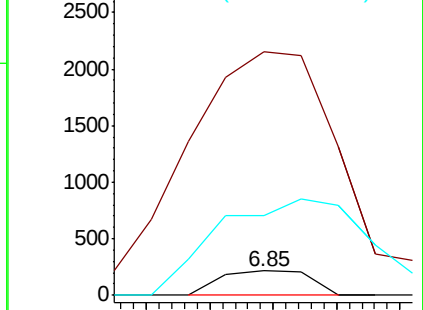
95 326.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

Ion 95.00 (94.70 to 95.70): BM0



#20

Nitrobenzene

Concen: 0.008 ng/ul

RT: 8.48 min Scan# 976

Delta R.T. -0.02 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

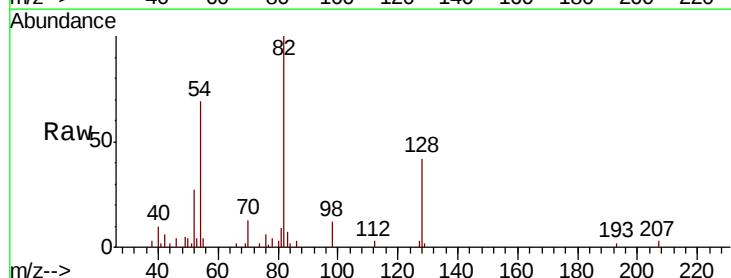
Tgt Ion: 77 Resp: 54

Ion Ratio Lower Upper

77 100

123 0.0 29.8 44.8#

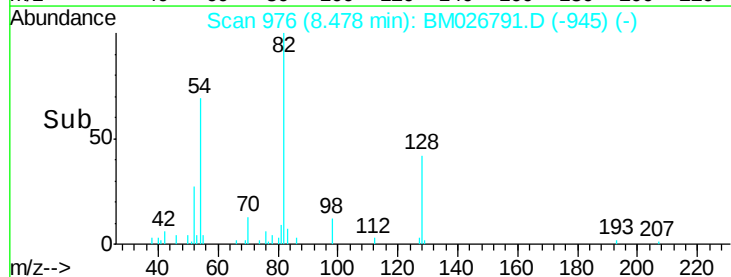
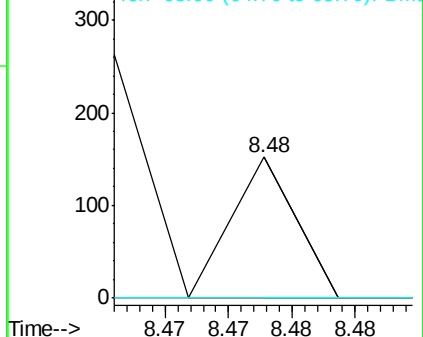
65 0.0 11.8 17.6#

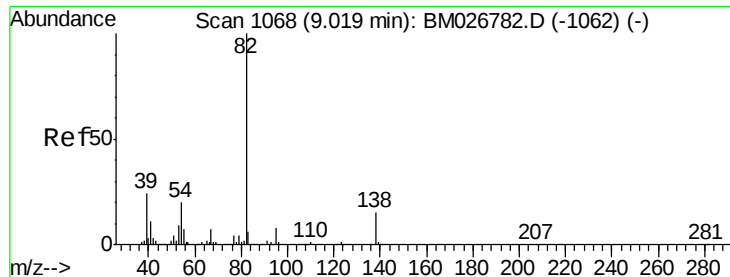


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 0.883 ng/ul

RT: 9.17 min Scan# 1093

Delta R.T. 0.15 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

BNA_M

ClientSampleId :

SBLK84

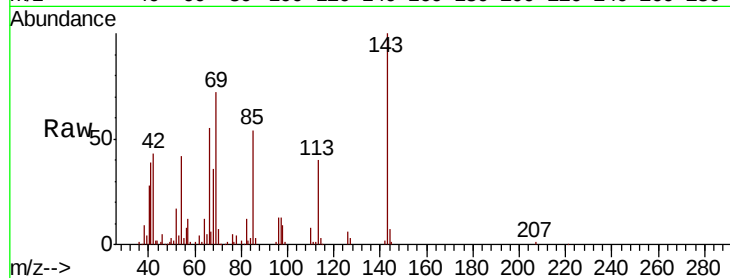
Tot Ion: 82 Resp: 10298

Ion Ratio Lower Upper

82 100

95 7.4 6.4 9.6

138 0.0 12.2 18.4#

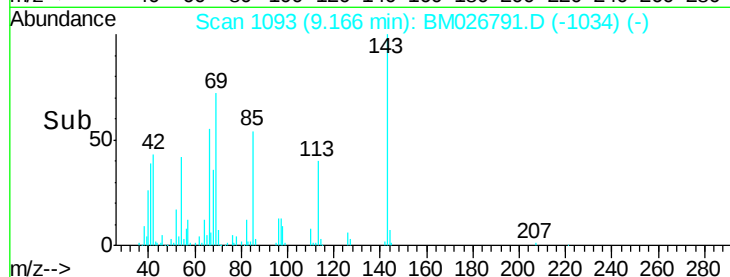


Abundance Ion 82.00 (81.70 to 82.70): BM026791.D (-1034) (-)

Ion 95.00 (94.70 to 95.70): BM026791.D (-1034) (-)

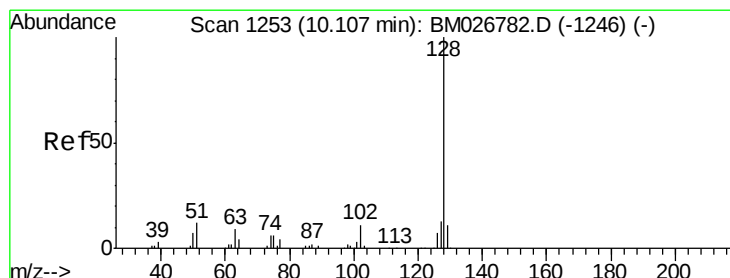
Ion 138.00 (137.70 to 138.70): BM026791.D (-1034) (-)

Time-->



Abundance

Time-->



#28

Naphthalene

Concen: 0.008 ng/ul

RT: 10.21 min Scan# 1271

Delta R.T. 0.11 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

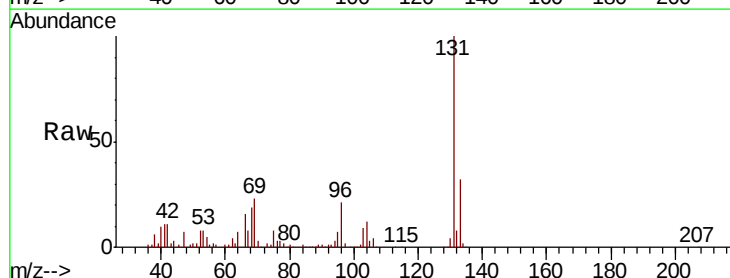
Tgt Ion: 128 Resp: 134

Ion Ratio Lower Upper

128 100

129 133.5 8.5 12.7#

127 0.0 10.6 15.8#

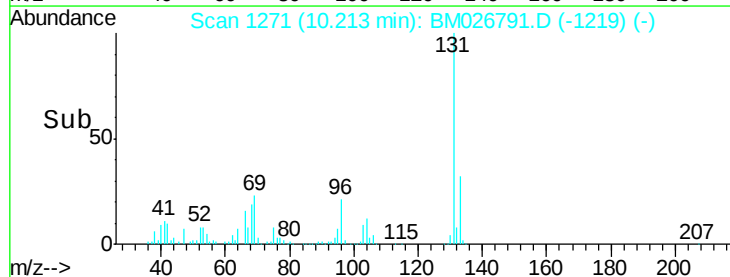


Abundance Ion 128.00 (127.70 to 128.70): BM026791.D (-1219) (-)

Ion 129.00 (128.70 to 129.70): BM026791.D (-1219) (-)

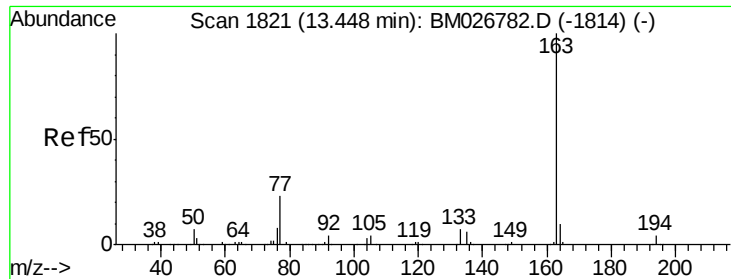
Ion 127.00 (126.70 to 127.70): BM026791.D (-1219) (-)

Time-->



Abundance

Time-->



#45

Dimethylphthalate

Concen: 0.019 ng/ul

RT: 13.40 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

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ClientSampleId :

SBLK84

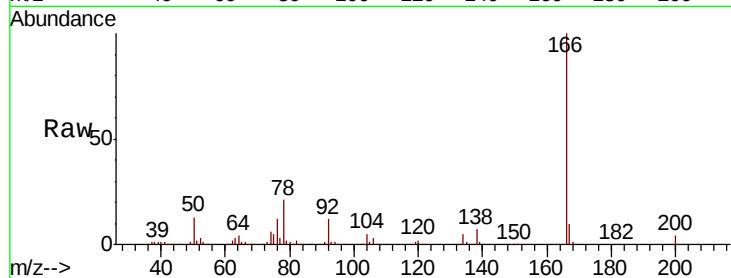
Tot Ion:163 Resp: 305

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

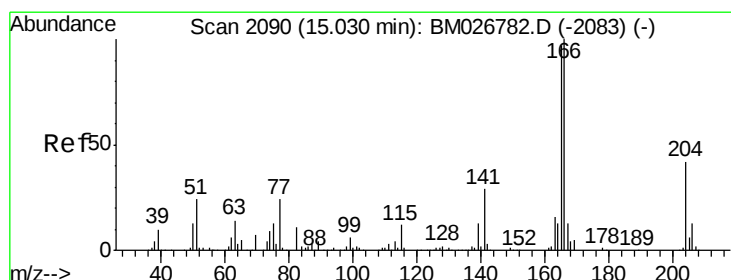
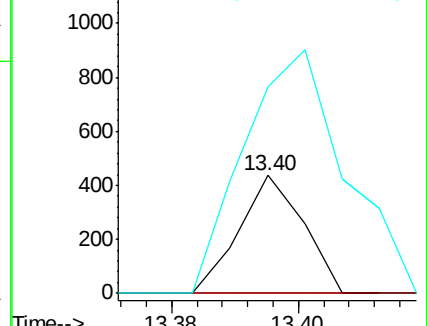
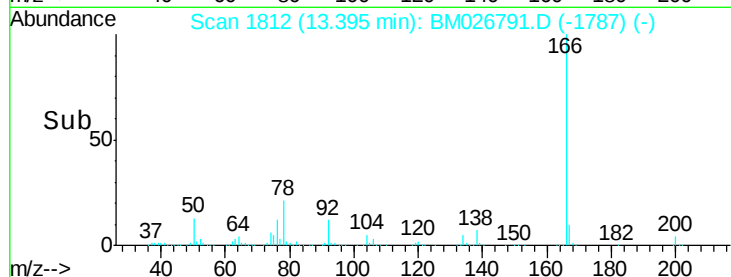
164 175.1 7.8 11.6#



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



#59

Fluorene

Concen: 0.061 ng/ul

RT: 14.98 min Scan# 2081

Delta R.T. -0.05 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

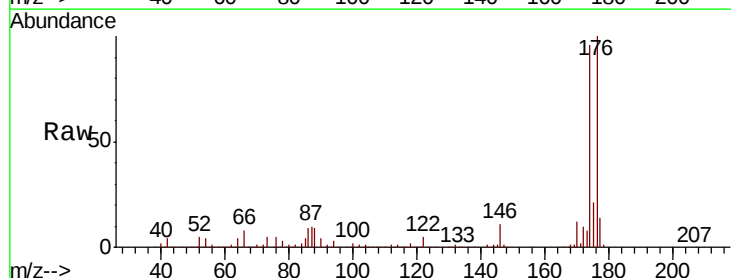
Tgt Ion:166 Resp: 1015

Ion Ratio Lower Upper

166 100

165 0.0 77.0 115.4#

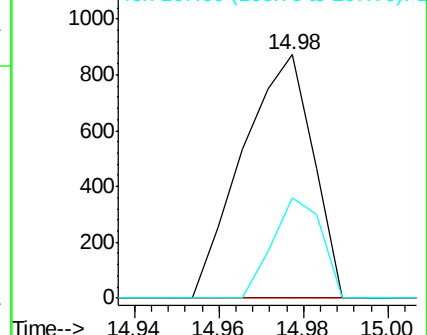
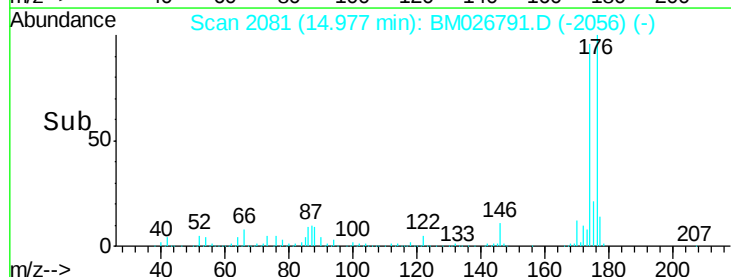
167 41.1 10.7 16.1#

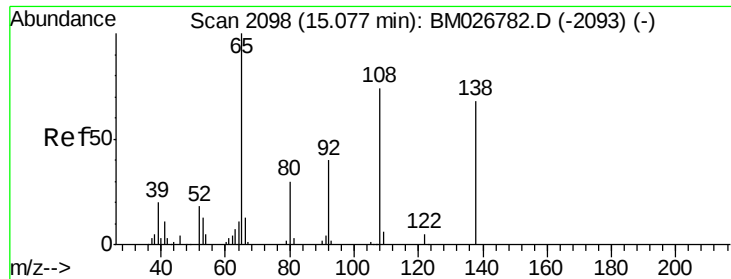


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

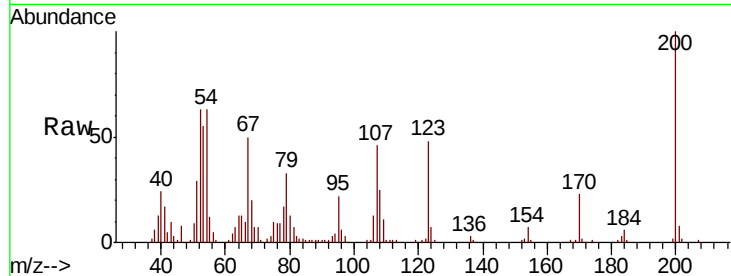




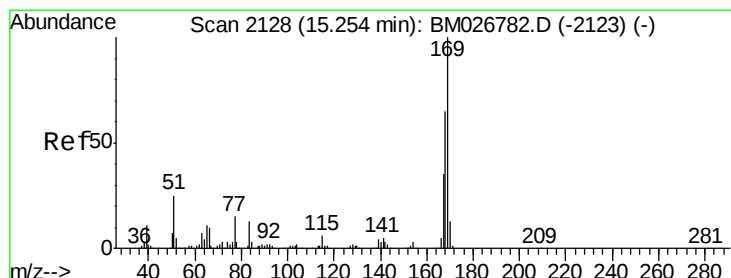
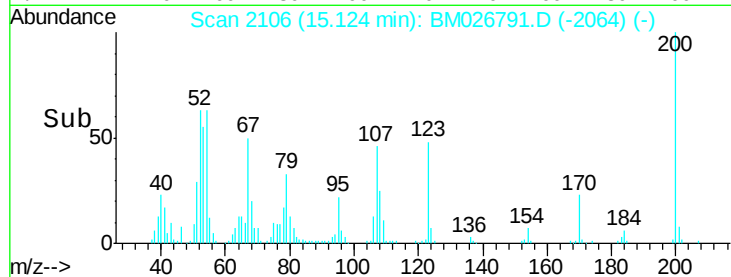
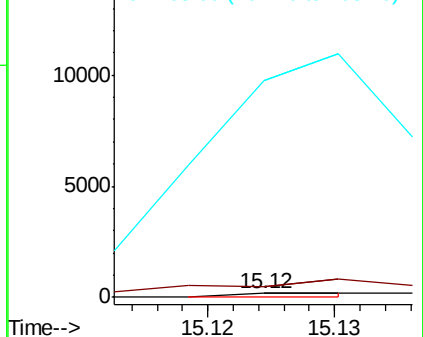
#61
4-Nitroaniline
Concen: 0.042 ng/ul
RT: 15.12 min Scan# 2106
Delta R.T. 0.05 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Instrument :
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Tot Ion:138 Resp: 126
Ion Ratio Lower Upper
138 100
92 273.9 47.7 71.5#
108 5296.2 82.6 123.8#

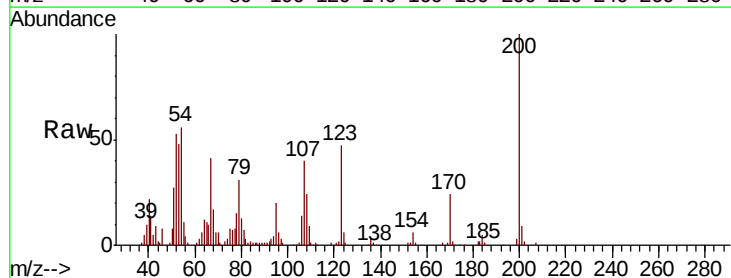


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

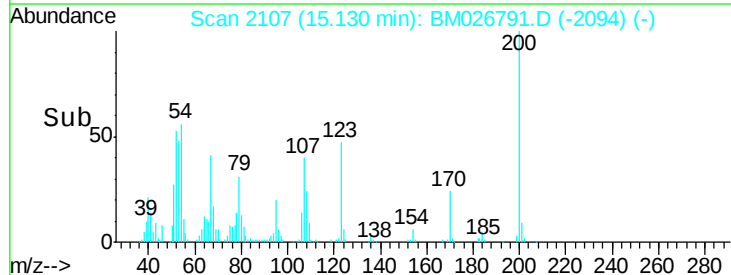
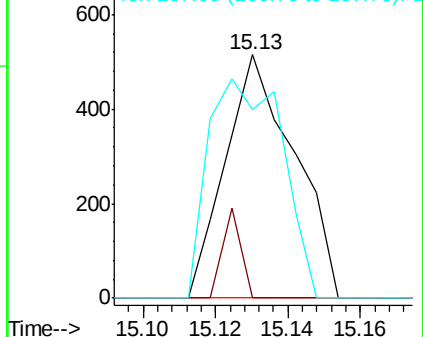


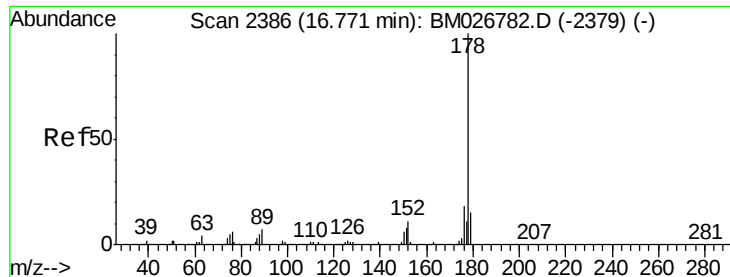
#65
N-Nitrosodiphenylamine
Concen: 0.045 ng/ul
RT: 15.13 min Scan# 2107
Delta R.T. -0.12 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Tgt Ion:169 Resp: 682
Ion Ratio Lower Upper
169 100
168 0.0 51.7 77.5#
167 77.3 28.4 42.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 0.007 ng/ul

RT: 16.73 min Scan# 2379

Delta R.T. -0.04 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

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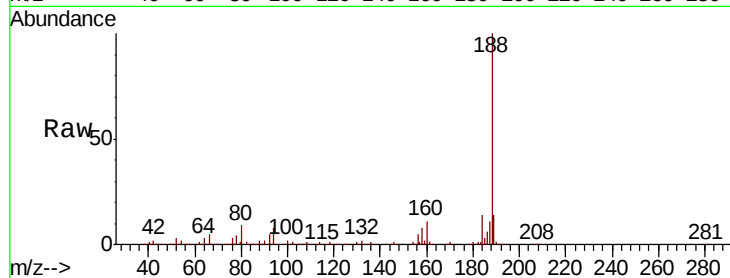
Tot Ion:178 Resp: 199

Ion Ratio Lower Upper

178 100

179 138.4 12.4 18.6#

176 0.0 14.3 21.5#



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

400

300

200

100

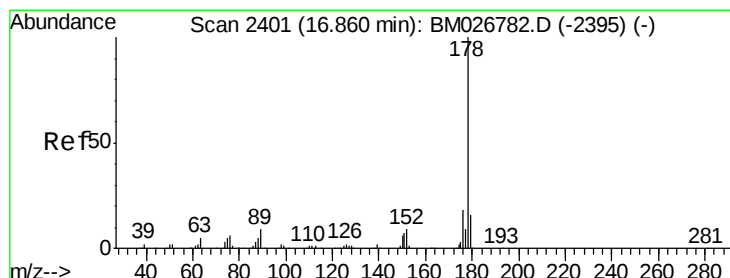
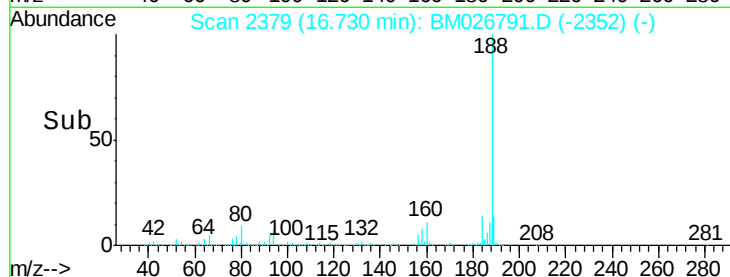
0

16.72

16.73

16.74

Time-->



#72

Anthracene

Concen: 0.007 ng/ul

RT: 16.73 min Scan# 2379

Delta R.T. -0.13 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

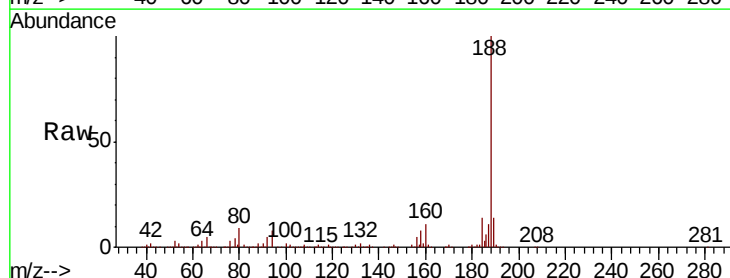
Tgt Ion:178 Resp: 199

Ion Ratio Lower Upper

178 100

179 138.4 11.8 17.6#

176 0.0 14.7 22.1#



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

400

300

200

100

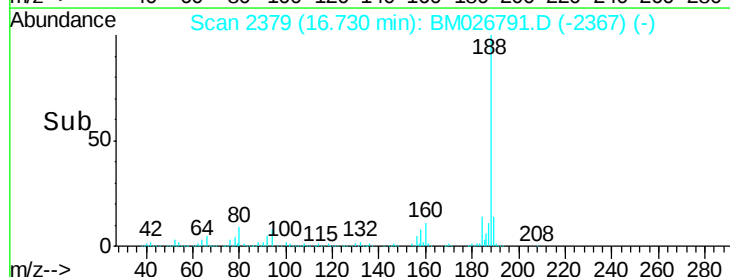
0

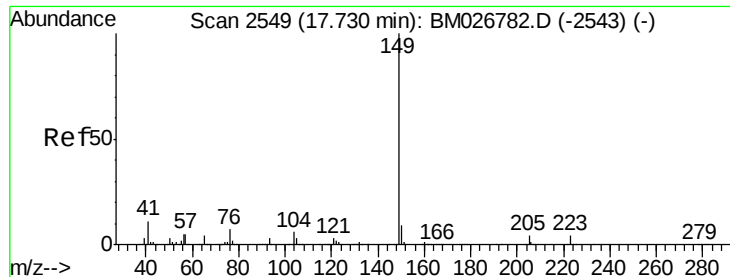
16.72

16.73

16.74

Time-->

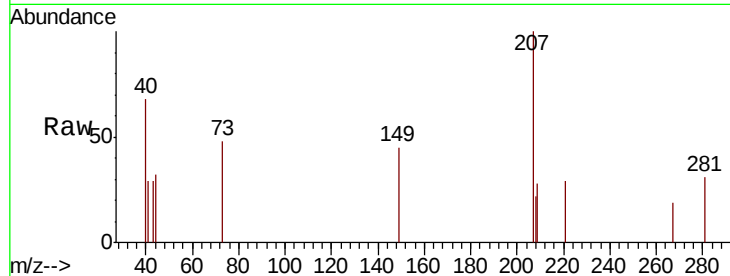




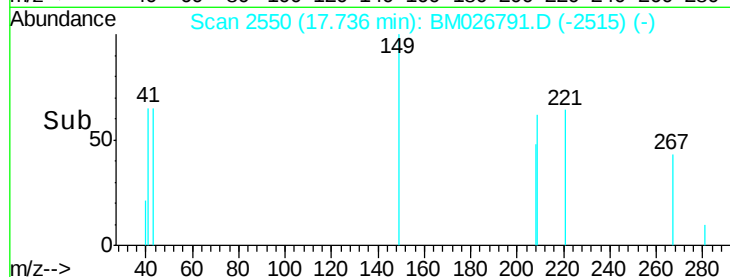
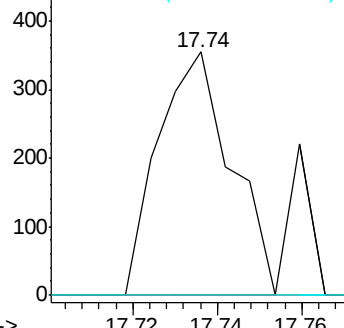
#76
Di-n-butylphthalate
Concen: 0.016 ng/ul
RT: 17.74 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Instrument :
BNA_M
ClientSampleId :
SBLK84

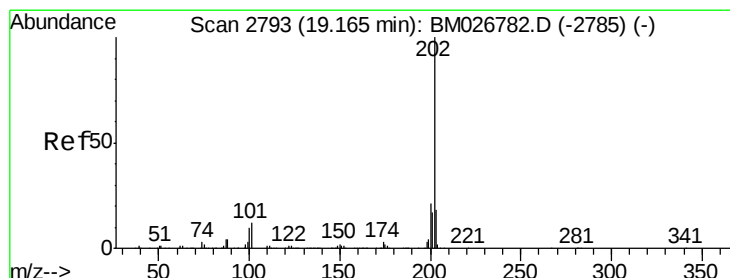
Tot Ion:149 Resp: 426
Ion Ratio Lower Upper
149 100
150 0.0 7.1 10.7#
104 0.0 5.2 7.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

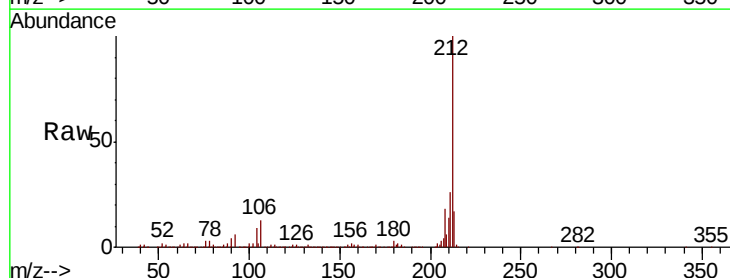


Time-->

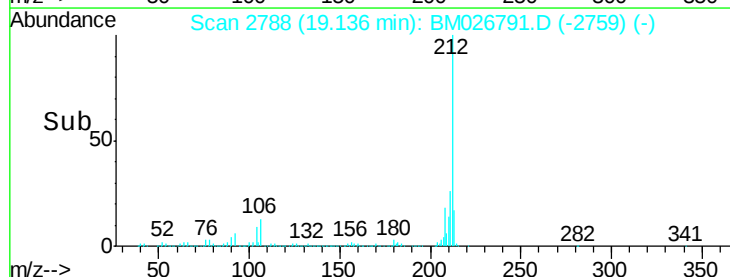
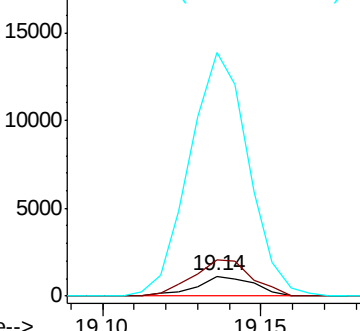


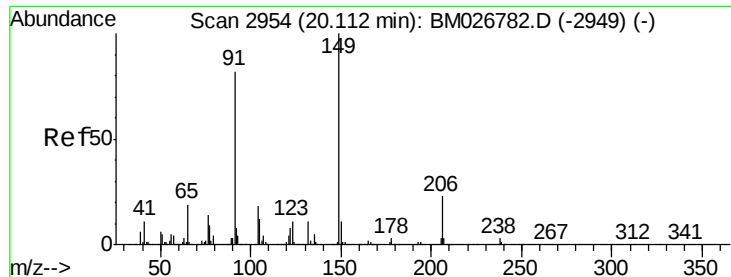
#80
Pyrene
Concen: 0.042 ng/ul
RT: 19.14 min Scan# 2788
Delta R.T. -0.03 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Tgt Ion:202 Resp: 1424
Ion Ratio Lower Upper
202 100
101 179.8 9.4 14.2#
100 1208.5 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

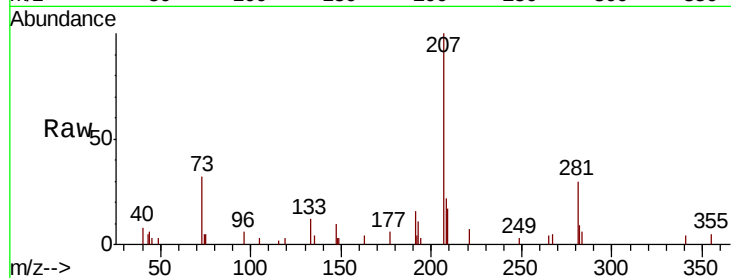




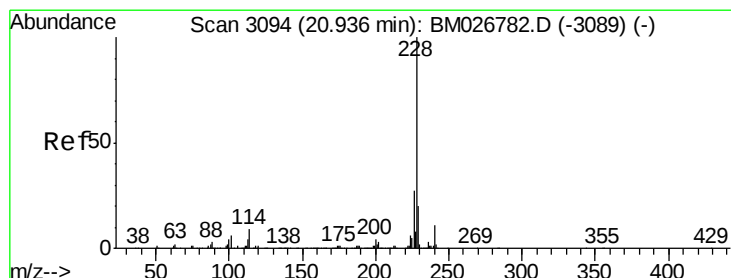
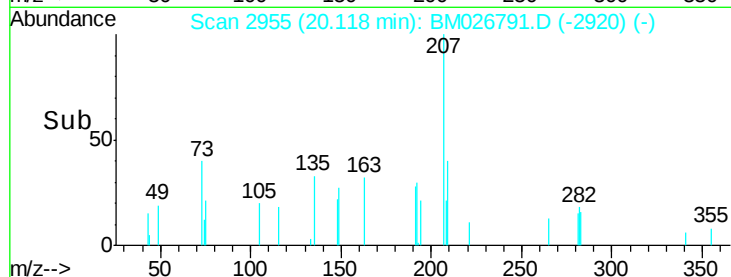
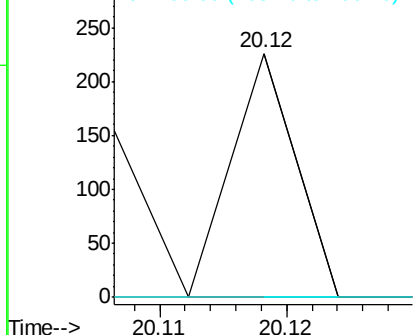
#81
Butylbenzylphthalate
Concen: 0.007 ng/ul
RT: 20.12 min Scan# 2955
Delta R.T. 0.01 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Instrument :
BNA_M
ClientSampleId :
SBLK84

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	66.4	99.6#
206	0.0	16.3	24.5#

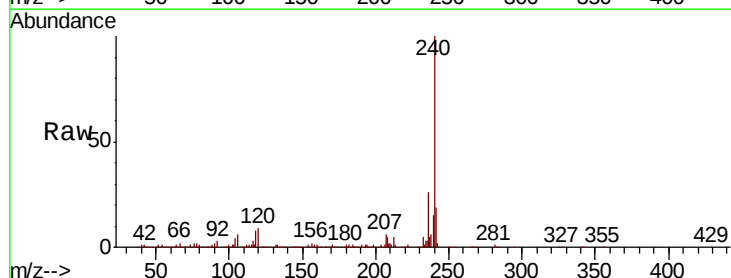


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

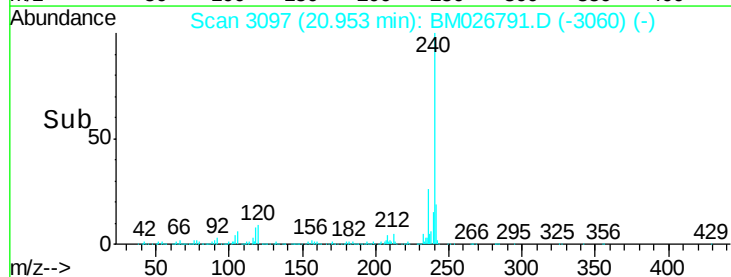
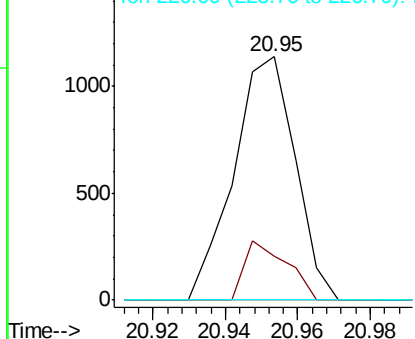


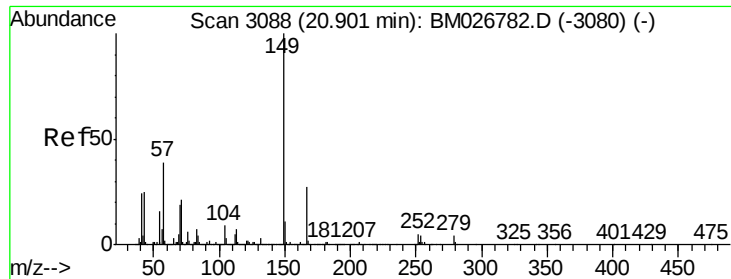
#83
Benzo(a)anthracene
Concen: 0.041 ng/ul
RT: 20.95 min Scan# 3097
Delta R.T. 0.02 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.0	15.4	23.0
226	0.0	21.2	31.8#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.023 ng/ul

RT: 20.90 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

BNA_M

ClientSampled :

SBLK84

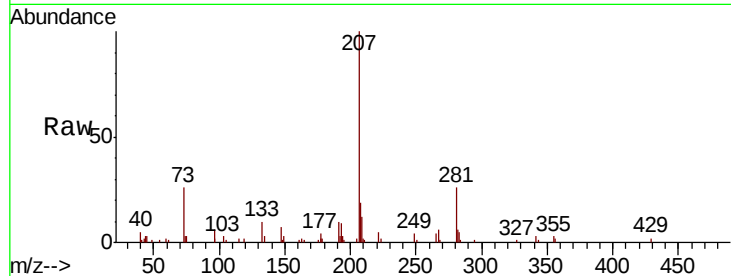
Tot Ion:149 Resp: 410

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

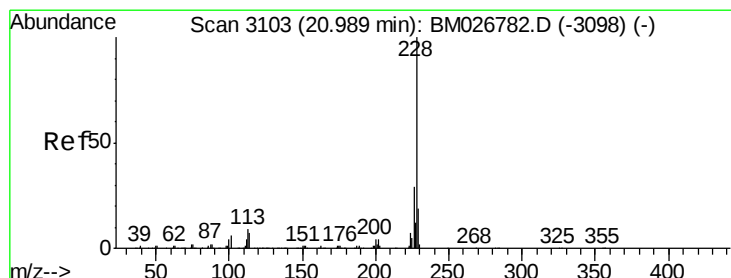
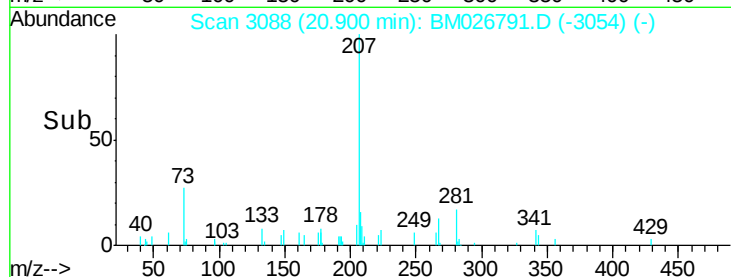
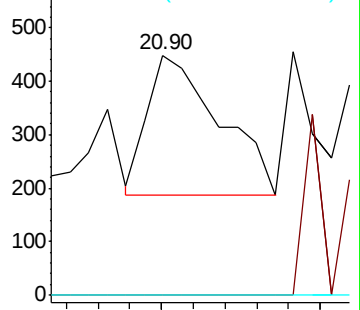
279 0.0 3.6 5.4#



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



#85

Chrysene

Concen: 0.042 ng/ul

RT: 20.95 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

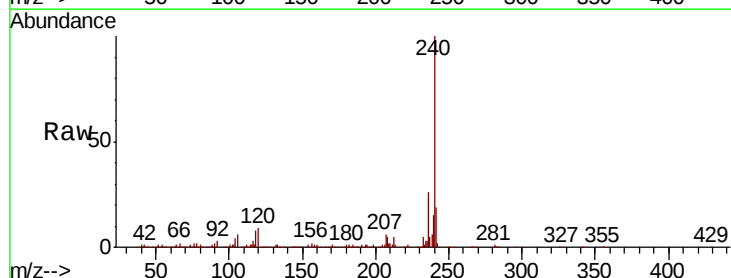
Tgt Ion:228 Resp: 1344

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

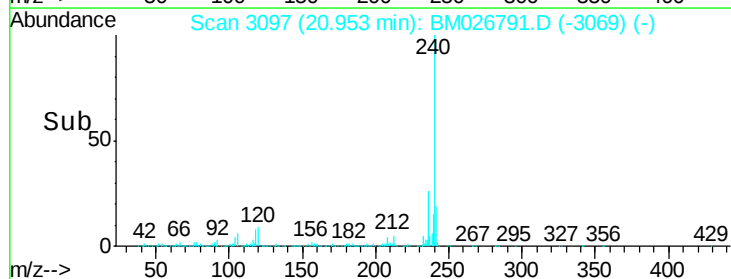
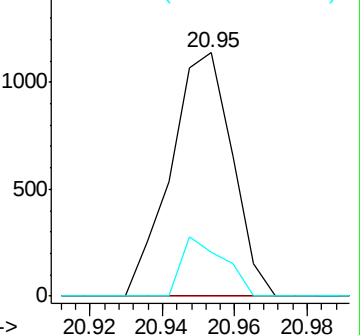
229 18.0 15.5 23.3

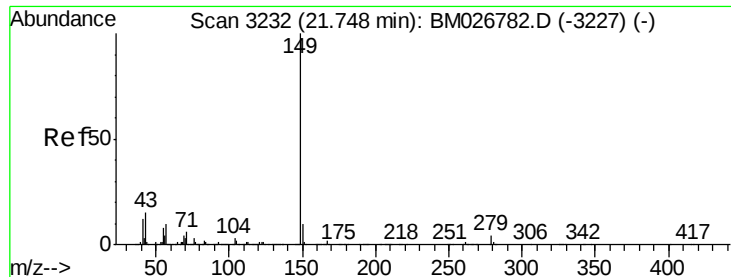


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

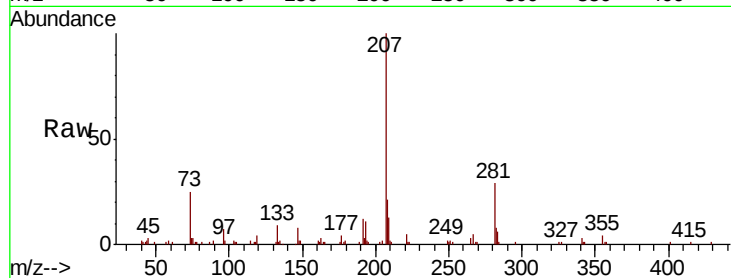




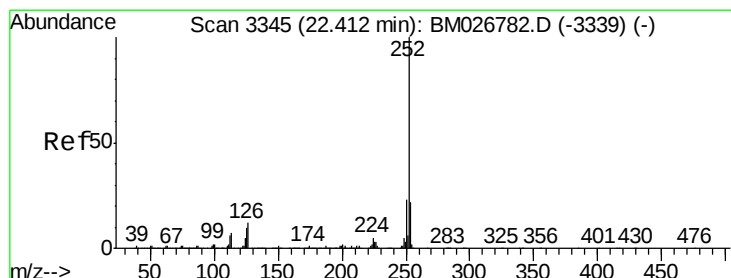
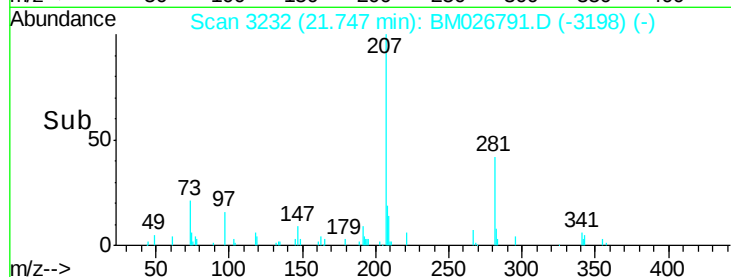
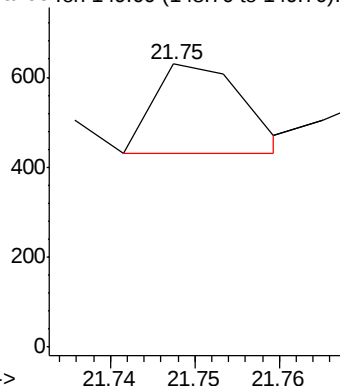
#87
Di-n-octyl phthalate
Concen: 0.005 ng/ul
RT: 21.75 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Instrument :
BNA_M
ClientSampleId :
SBLK84

Tgt Ion:149 Resp: 145

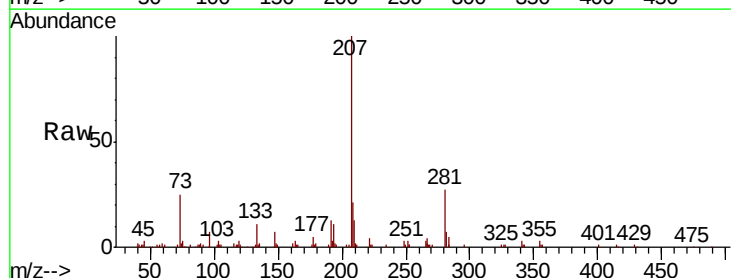


Abundance Ion 149.00 (148.70 to 149.70): E

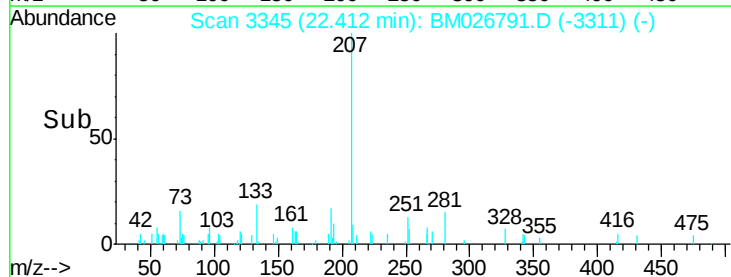
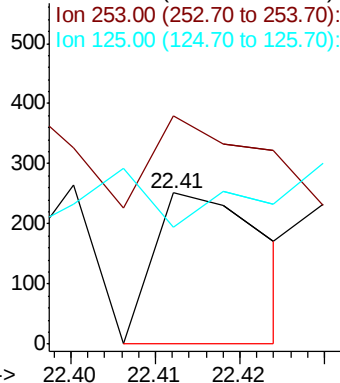


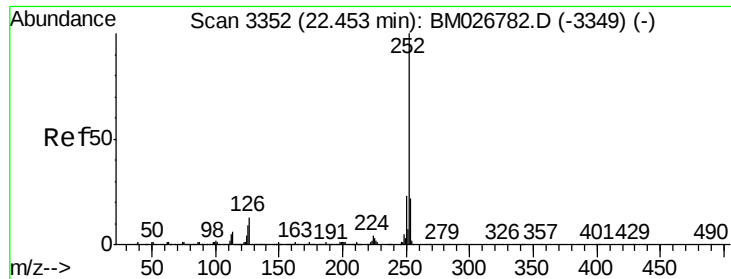
#88
Benzo(b)fluoranthene
Concen: 0.007 ng/ul
RT: 22.41 min Scan# 3345
Delta R.T. -0.00 min
Lab File: BM026791.D
Acq: 16 Jul 2020 18:54

Tgt Ion:252 Resp: 230
Ion Ratio Lower Upper
252 100
253 151.4 17.2 25.8#
125 77.3 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 0.013 ng/ul

RT: 22.45 min Scan# 3352

Delta R.T. -0.00 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

Instrument :

BNA_M

ClientSampled :

SBLK84

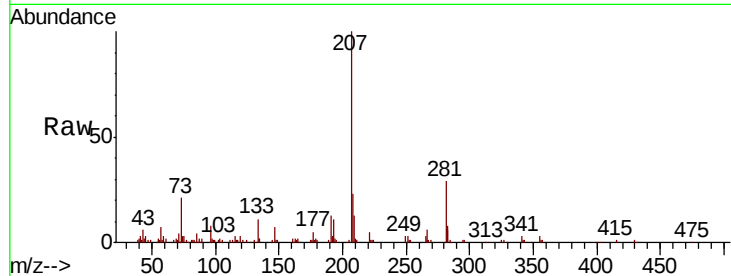
Tot Ion:252 Resp: 426

Ion Ratio Lower Upper

252 100

253 135.9 17.1 25.7#

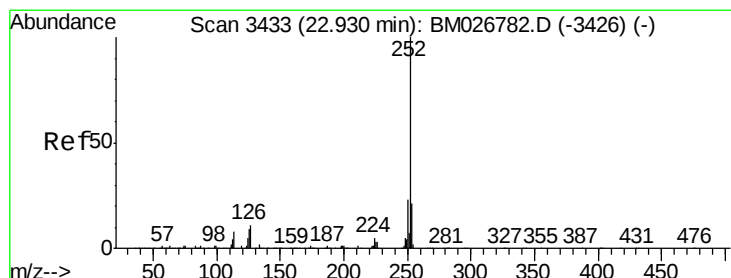
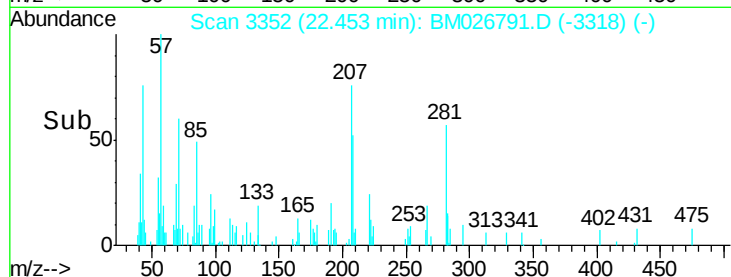
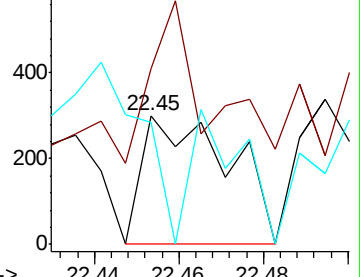
125 94.7 7.7 11.5#



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

Benzo(a)pyrene

Concen: 0.005 ng/ul

RT: 22.93 min Scan# 3433

Delta R.T. -0.00 min

Lab File: BM026791.D

Acq: 16 Jul 2020 18:54

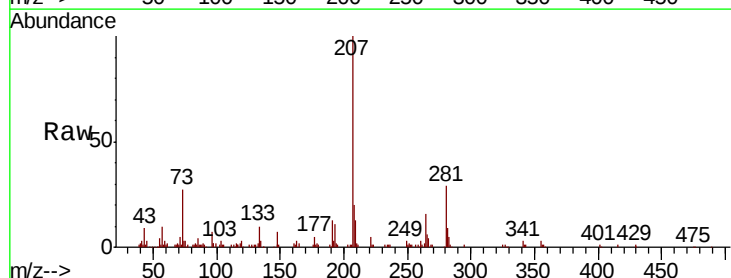
Tgt Ion:252 Resp: 144

Ion Ratio Lower Upper

252 100

253 202.7 17.4 26.0#

125 95.8 7.5 11.3#



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

