

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071620\
 Data File : BM026793.D
 Acq On : 16 Jul 2020 20:06
 Operator : JU/CG
 Sample : PB130184BL
 Misc : PBBL-SOIL-ME-07
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK84

Quant Time: Jul 17 00:42:38 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	65023	20.00	ng/ul	0.00
18) Naphthalene-d8	10.05	136	283148	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	197528	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.72	188	458770	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	509798	20.00	ng/ul	0.00
86) Perylene-d12	23.01	264	539176	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	14090	6.51	ng/uL	0.00
5) Phenol-d5	6.52	99	227241	38.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	146920	36.48	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	171931	37.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	187392	39.35	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	77237	34.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	85378	35.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.70	165	164680	35.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.21	131	219605	44.61	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	590294	37.46	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	640435	33.64	ng/ul	0.00
52) 4-Nitrophenol-d4	14.22	143	68066	29.93	ng/ul	0.00
58) Fluorene-d10	14.97	176	491732	35.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	71314	24.88	ng/ul	0.00
71) Anthracene-d10	16.82	188	763562	33.80	ng/ul	0.00
79) Pyrene-d10	19.14	212	897459	33.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.88	264	1049294	36.06	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.93	88	253	0.108	ng/uL# 14
4) Benzaldehyde	6.52	77	491	0.155	ng/ul# 8
8) Bis(2-Chloroethyl)ether	6.84	93	62	0.012	ng/ul# 1
20) Nitrobenzene	8.45	77	783	0.111	ng/ul# 45
21) Isophorone	9.17	82	10473	0.882	ng/ul# 76
45) Dimethylphthalate	13.40	163	317	0.019	ng/ul# 1
57) Diethylphthalate	14.84	149	116	0.007	ng/ul# 60
59) Fluorene	14.97	166	1115	0.067	ng/ul# 10
61) 4-Nitroaniline	15.12	138	196	0.065	ng/ul# 1
64) 4,6-Dinitro-2-methylphenol	15.12	198	202	0.067	ng/ul# 1
65) N-Nitrosodiphenylamine	15.13	169	615	0.040	ng/ul# 16
70) Phenanthrene	16.83	178	150	0.005	ng/ul# 1
72) Anthracene	16.83	178	150	0.005	ng/ul# 1
76) Di-n-butylphthalate	17.73	149	606	0.022	ng/ul# 78
80) Pyrene	19.14	202	1125	0.031	ng/ul# 1
81) Butylbenzylphthalate	20.09	149	181	0.014	ng/ul# 17
83) Benzo(a)anthracene	20.95	228	1227	0.035	ng/ul# 59
84) Bis(2-ethylhexyl)phthalate	20.91	149	383	0.020	ng/ul# 53
85) Chrysene	20.95	228	1227	0.035	ng/ul# 57
87) Di-n-octyl phthalate	21.75	149	52	0.002	ng/ul 100
88) Benzo(b)fluoranthene	22.41	252	307	0.008	ng/ul# 1
89) Benzo(k)fluoranthene	22.44	252	328	0.009	ng/ul# 1
91) Benzo(a)pyrene	22.92	252	86	0.003	ng/ul# 1

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

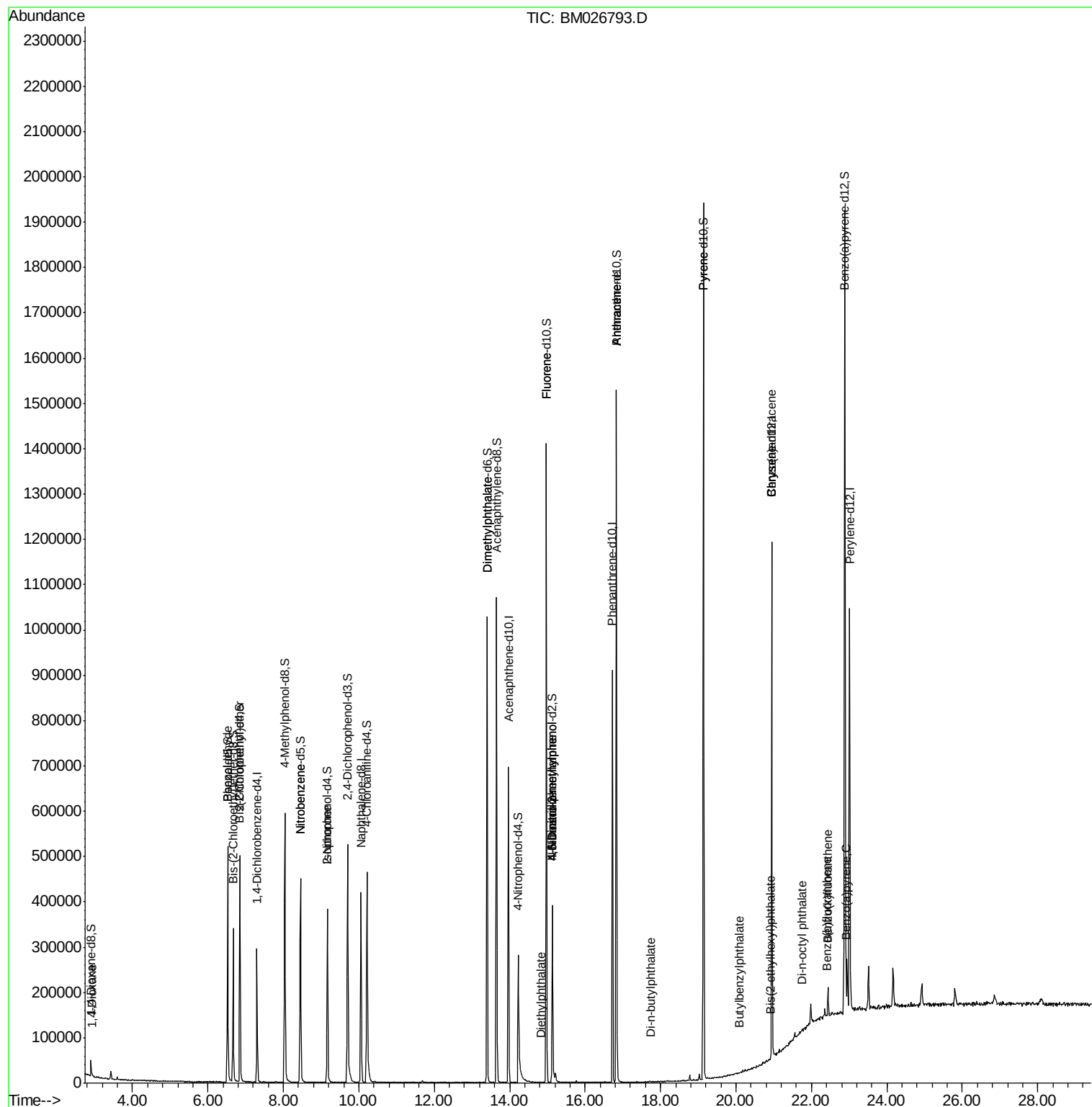
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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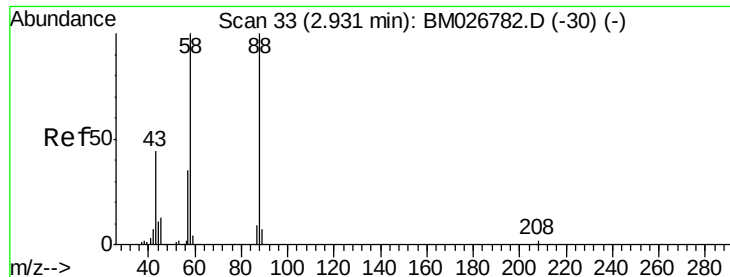
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.108 ng/uL

RT: 2.93 min Scan# 32

Delta R.T. -0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

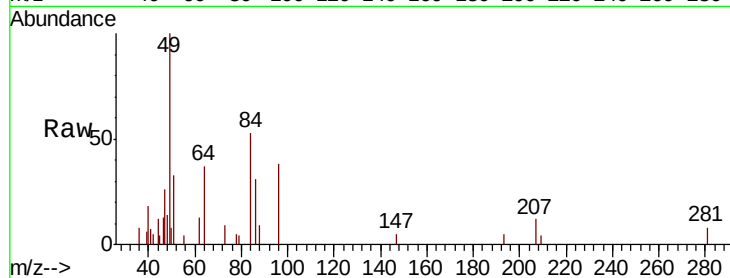
Tot Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

43 0.0 38.2 57.2#

58 0.0 68.9 103.3#

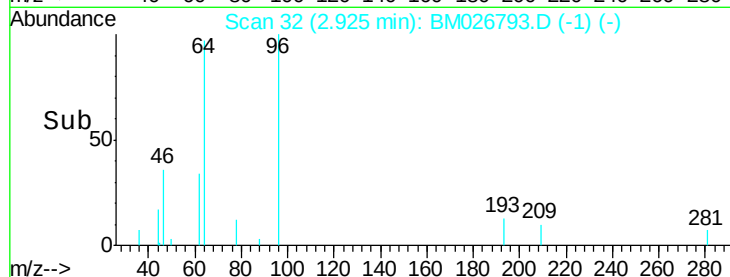


Abundance Ion 88.00 (87.70 to 88.70): BM026782.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM026782.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM026782.D (-30) (-)

Time-->

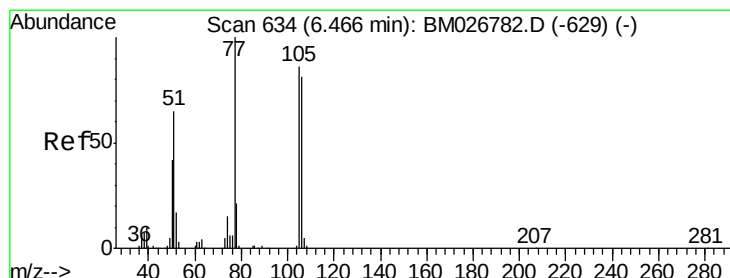


Abundance Ion 88.00 (87.70 to 88.70): BM026793.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM026793.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM026793.D (-1) (-)

Time-->



#4

Benzaldehyde

Concen: 0.155 ng/uL

RT: 6.52 min Scan# 644

Delta R.T. 0.06 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

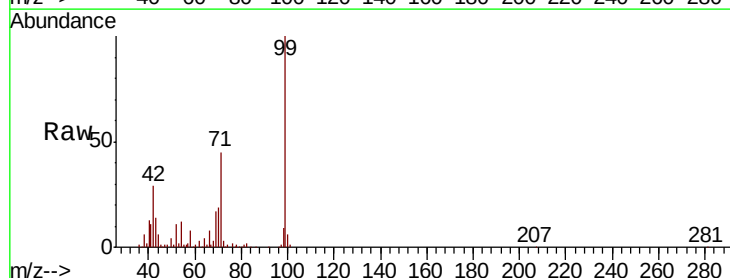
Tgt Ion: 77 Resp: 491

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

106 0.0 66.2 99.4#

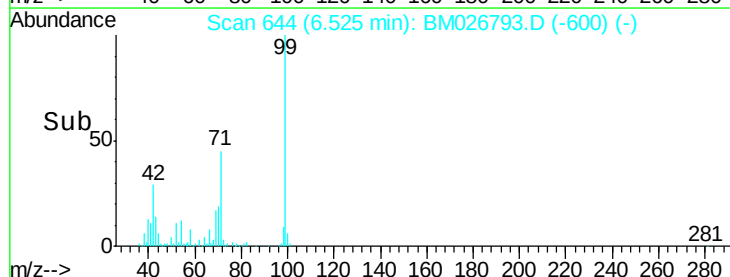


Abundance Ion 77.00 (76.70 to 77.70): BM026782.D (-629) (-)

Ion 105.00 (104.70 to 105.70): BM026782.D (-629) (-)

Ion 106.00 (105.70 to 106.70): BM026782.D (-629) (-)

Time-->

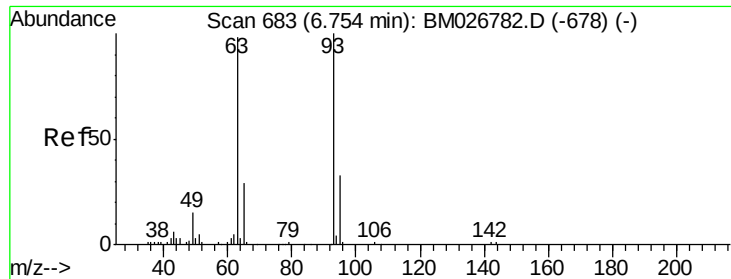


Abundance Ion 77.00 (76.70 to 77.70): BM026793.D (-600) (-)

Ion 105.00 (104.70 to 105.70): BM026793.D (-600) (-)

Ion 106.00 (105.70 to 106.70): BM026793.D (-600) (-)

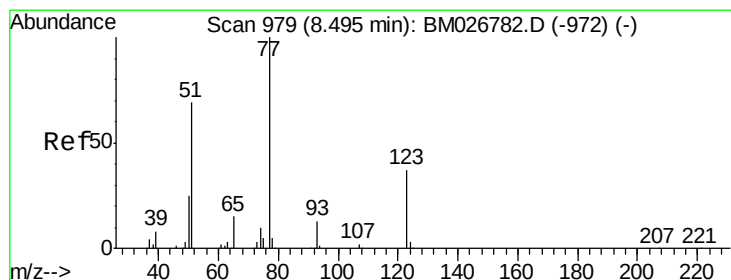
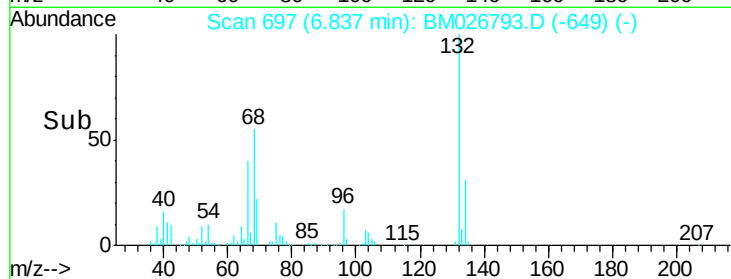
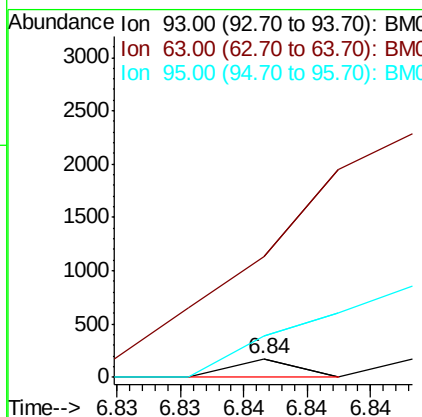
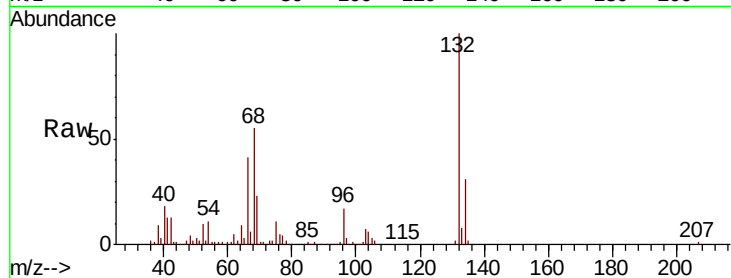
Time-->



#8
 Bis(2-Chloroethyl)ether
 Concen: 0.012 ng/ul
 RT: 6.84 min Scan# 697
 Delta R.T. 0.08 min
 Lab File: BM026793.D
 Acq: 16 Jul 2020 20:06

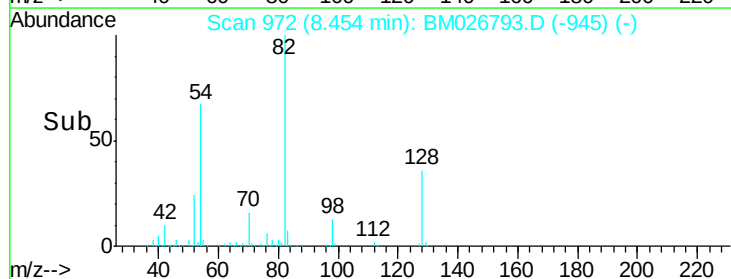
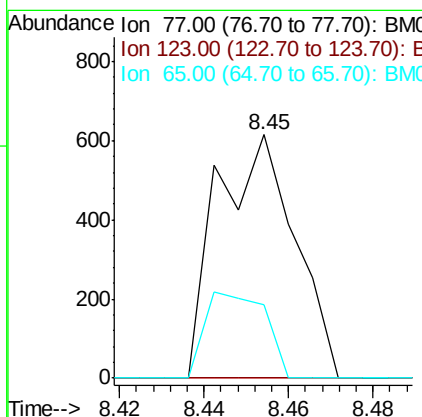
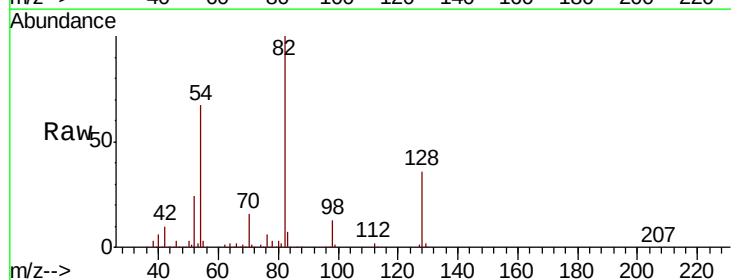
Instrument :
 BNA_M
 ClientSampleId :
 SBLK84

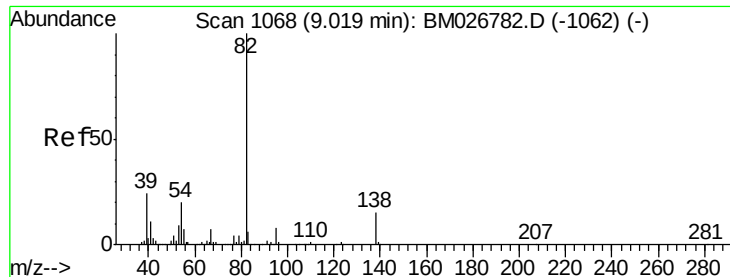
Tot Ion:	93	Resp:	62
Ion	Ratio	Lower	Upper
93	100		
63	642.4	75.5	113.3#
95	221.5	25.2	37.8#



#20
 Nitrobenzene
 Concen: 0.111 ng/ul
 RT: 8.45 min Scan# 972
 Delta R.T. -0.04 min
 Lab File: BM026793.D
 Acq: 16 Jul 2020 20:06

Tgt Ion:	77	Resp:	783
Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.8	44.8#
65	30.2	11.8	17.6#





#21

Isophorone

Concen: 0.882 ng/ul

RT: 9.17 min Scan# 1093

Delta R.T. 0.15 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

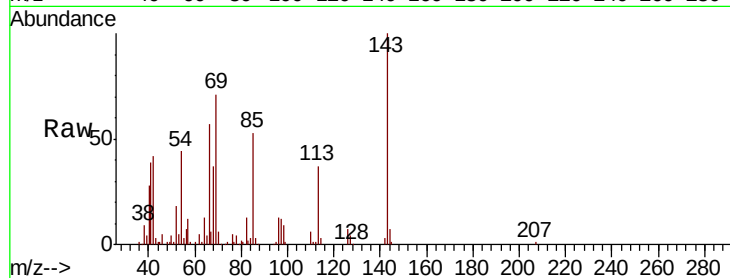
Tot Ion: 82 Resp: 10473

Ion Ratio Lower Upper

82 100

95 7.9 6.4 9.6

138 0.0 12.2 18.4#

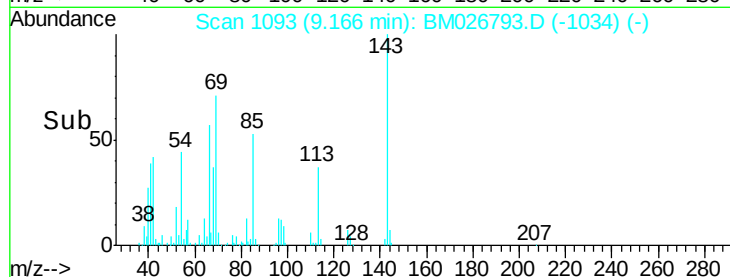


Abundance Ion 82.00 (81.70 to 82.70): BM026782.D (-1062) (-)

Ion 95.00 (94.70 to 95.70): BM026793.D (-1034) (-)

Ion 138.00 (137.70 to 138.70): BM026782.D (-1062) (-)

Time-->



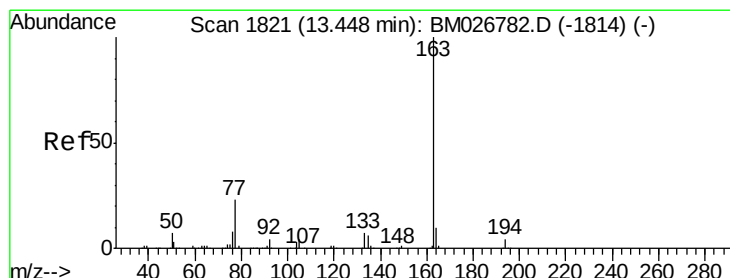
Abundance

Ion 82.00 (81.70 to 82.70): BM026782.D (-1062) (-)

Ion 95.00 (94.70 to 95.70): BM026793.D (-1034) (-)

Ion 138.00 (137.70 to 138.70): BM026782.D (-1062) (-)

Time-->



#45

Dimethylphthalate

Concen: 0.019 ng/ul

RT: 13.40 min Scan# 1813

Delta R.T. -0.05 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

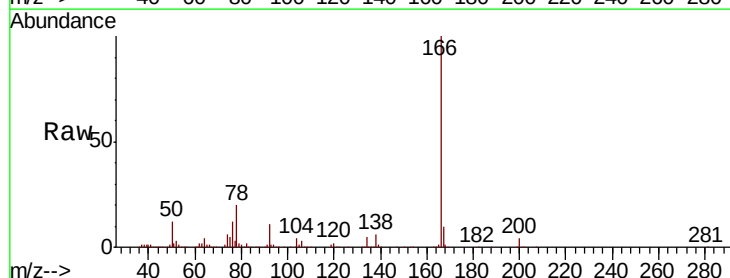
Tgt Ion: 163 Resp: 317

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

164 301.0 7.8 11.6#

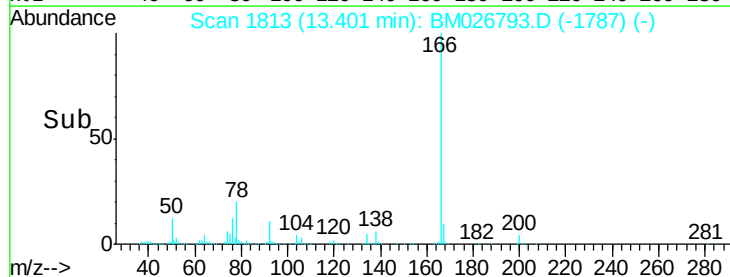


Abundance Ion 163.00 (162.70 to 163.70): BM026782.D (-1814) (-)

Ion 194.00 (193.70 to 194.70): BM026793.D (-1787) (-)

Ion 164.00 (163.70 to 164.70): BM026782.D (-1814) (-)

Time-->



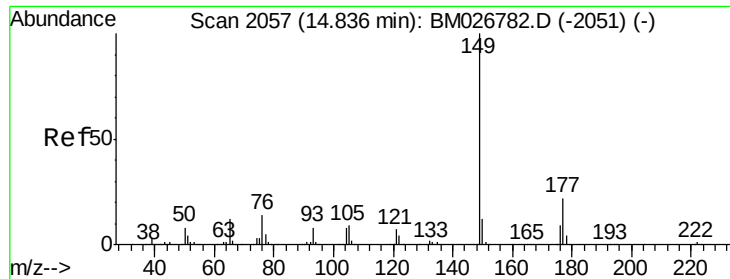
Abundance

Ion 163.00 (162.70 to 163.70): BM026782.D (-1814) (-)

Ion 194.00 (193.70 to 194.70): BM026793.D (-1787) (-)

Ion 164.00 (163.70 to 164.70): BM026782.D (-1814) (-)

Time-->



#57

Diethylphthalate

Concen: 0.007 ng/ul

RT: 14.84 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

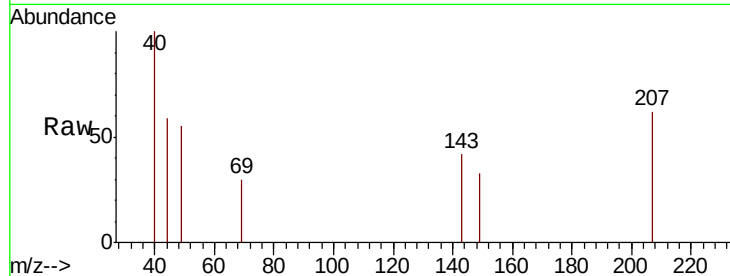
Tot Ion:149 Resp: 116

Ion Ratio Lower Upper

149 100

177 0.0 16.6 25.0#

150 0.0 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

14.84

150

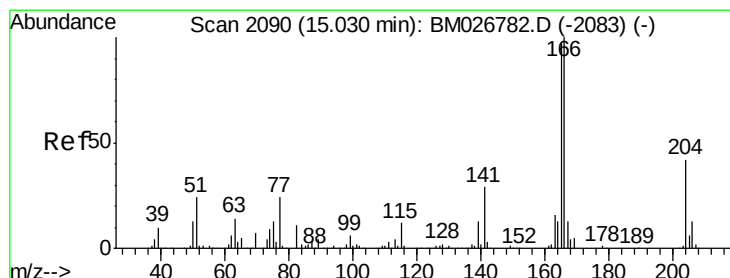
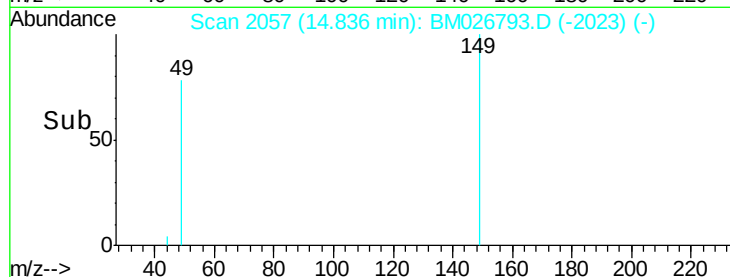
100

50

0

14.83 14.84 14.85

Time-->



#59

Fluorene

Concen: 0.067 ng/ul

RT: 14.97 min Scan# 2080

Delta R.T. -0.06 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

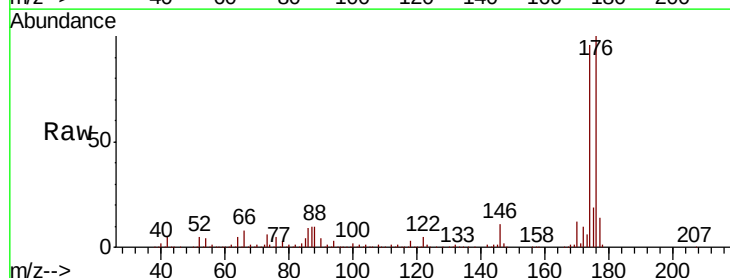
Tgt Ion:166 Resp: 1115

Ion Ratio Lower Upper

166 100

165 0.0 77.0 115.4#

167 24.7 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

14.97

1000

800

600

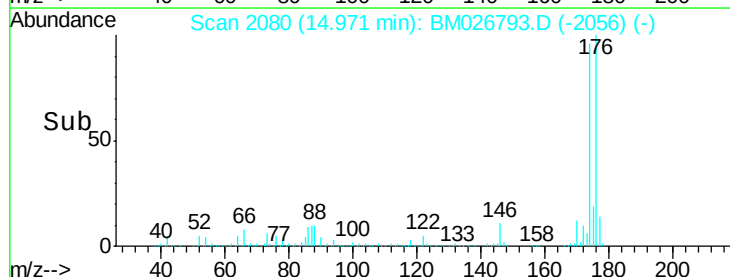
400

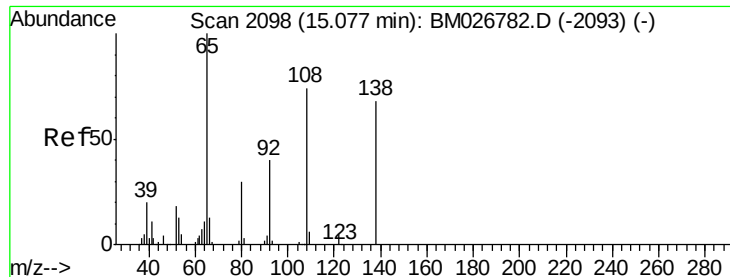
200

0

14.94 14.96 14.98 15.00

Time-->

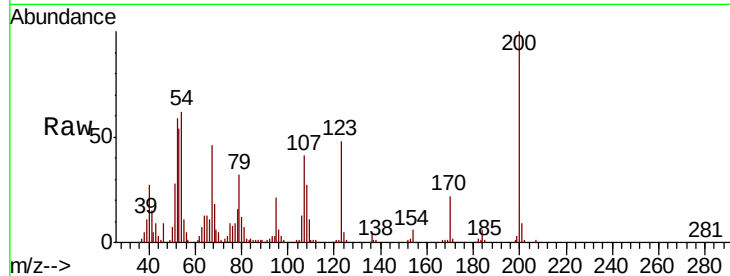




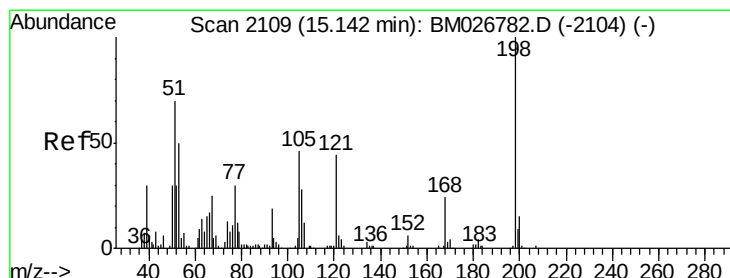
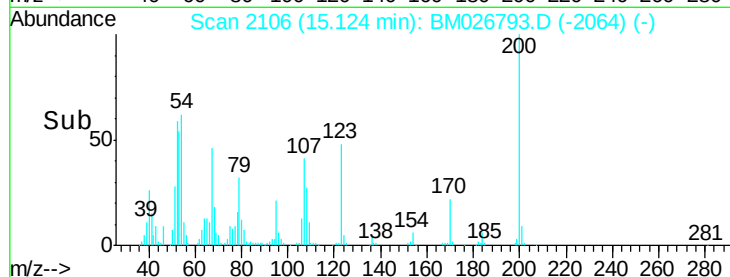
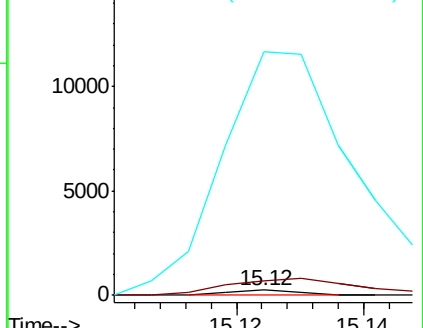
#61
4-Nitroaniline
Concen: 0.065 ng/ul
RT: 15.12 min Scan# 2106
Delta R.T. 0.05 min
Lab File: BM026793.D
Acq: 16 Jul 2020 20:06

Instrument :
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Tot Ion:138 Resp: 196
Ion Ratio Lower Upper
138 100
92 292.6 47.7 71.5#
108 4781.1 82.6 123.8#

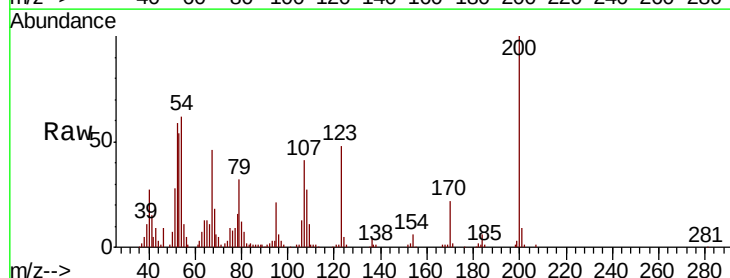


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

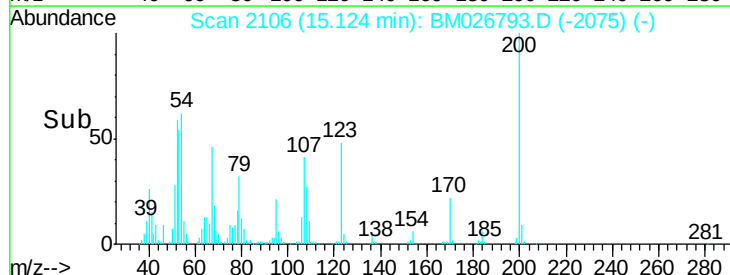
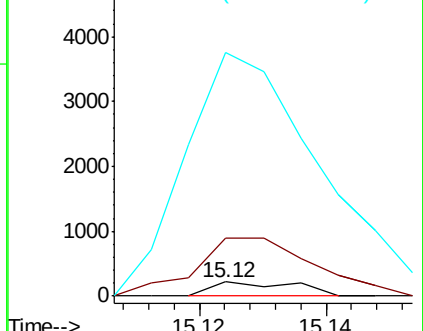


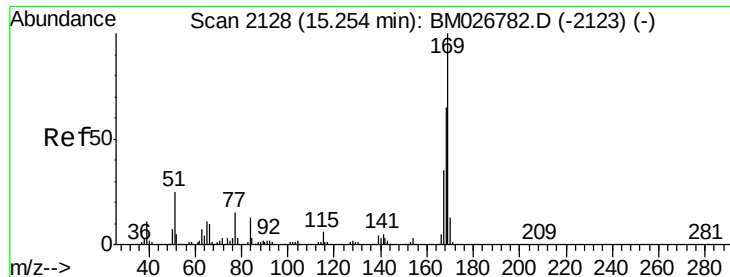
#64
4,6-Dinitro-2-methylphenol
Concen: 0.067 ng/ul
RT: 15.12 min Scan# 2106
Delta R.T. -0.02 min
Lab File: BM026793.D
Acq: 16 Jul 2020 20:06

Tgt Ion:198 Resp: 202
Ion Ratio Lower Upper
198 100
182 416.6 4.0 6.0#
77 1730.4 26.7 40.1#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BM0





#65

N-Nitrosodiphenylamine

Concen: 0.040 ng/ul

RT: 15.13 min Scan# 2107

Delta R.T. -0.12 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

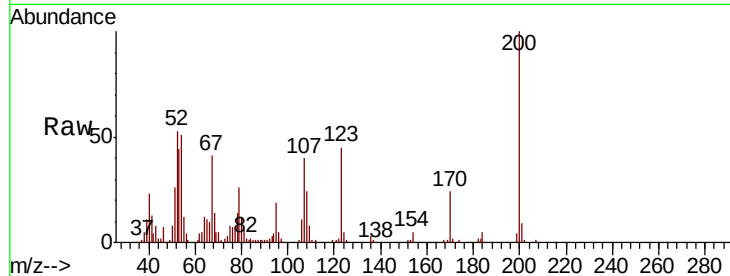
Tot Ion:169 Resp: 615

Ion Ratio Lower Upper

169 100

168 0.0 51.7 77.5#

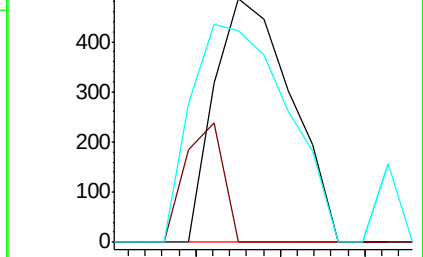
167 86.8 28.4 42.6#



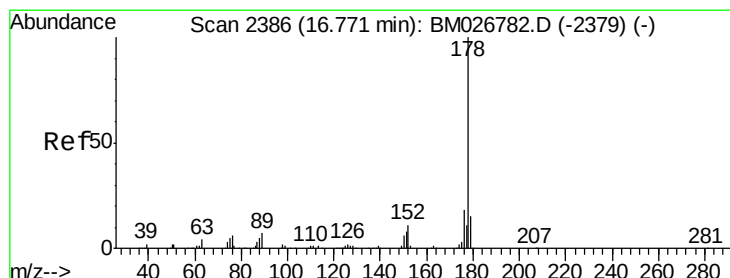
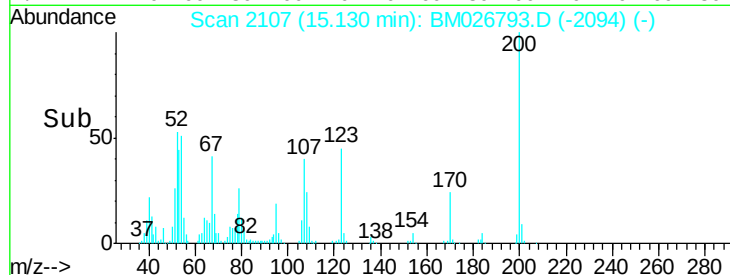
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#70

Phenanthrene

Concen: 0.005 ng/ul

RT: 16.83 min Scan# 2396

Delta R.T. 0.06 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

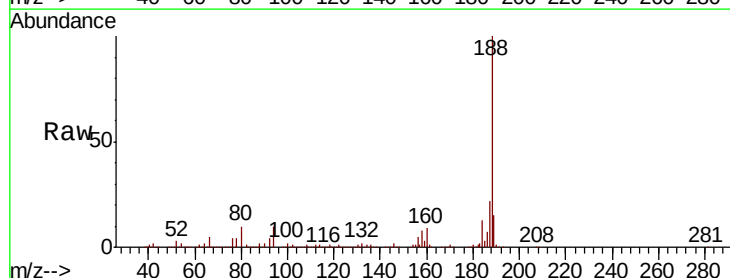
Tgt Ion:178 Resp: 150

Ion Ratio Lower Upper

178 100

179 234.7 12.4 18.6#

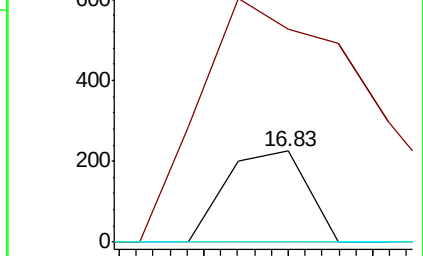
176 0.0 14.3 21.5#



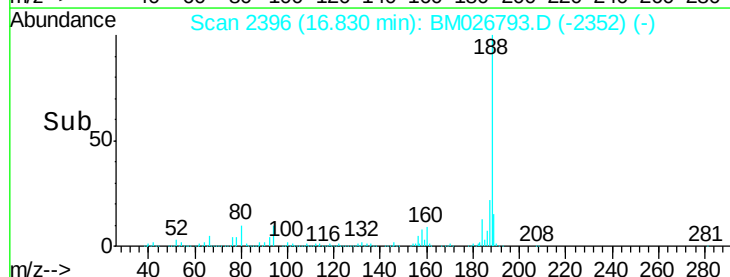
Abundance Ion 178.00 (177.70 to 178.70): E

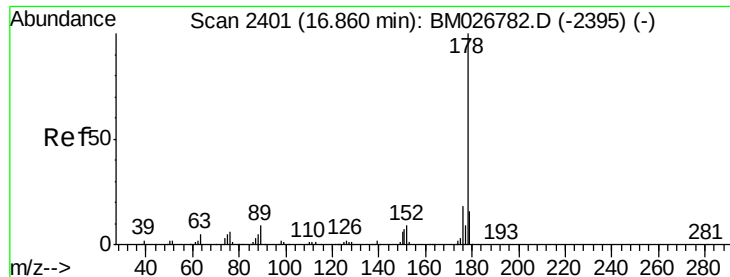
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Anthracene

Concen: 0.005 ng/ul

RT: 16.83 min Scan# 2396

Delta R.T. -0.03 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

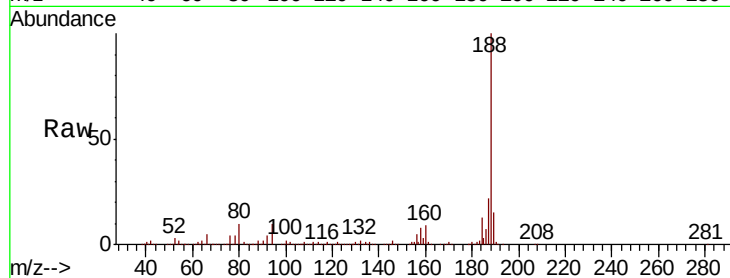
Tot Ion:178 Resp: 150

Ion Ratio Lower Upper

178 100

179 234.7 11.8 17.6#

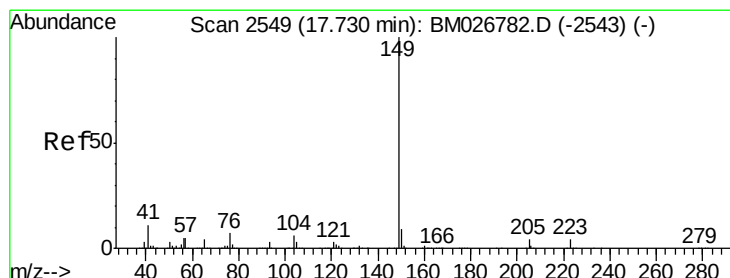
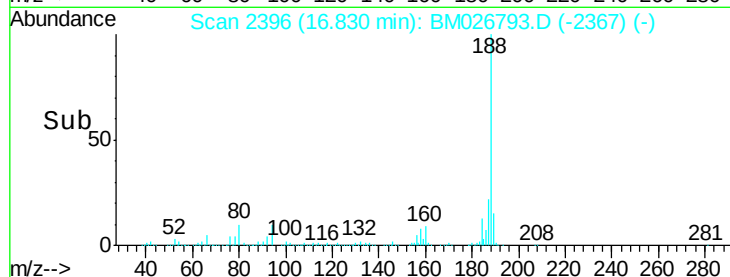
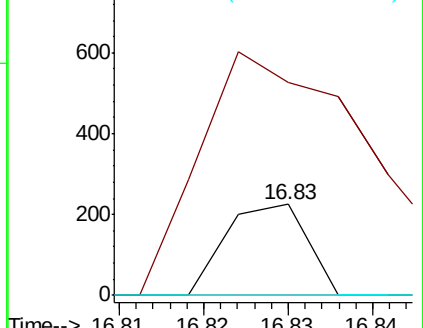
176 0.0 14.7 22.1#



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



#76

Di-n-butylphthalate

Concen: 0.022 ng/ul

RT: 17.73 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

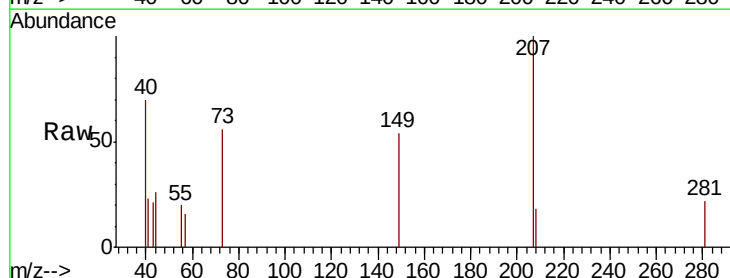
Tgt Ion:149 Resp: 606

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

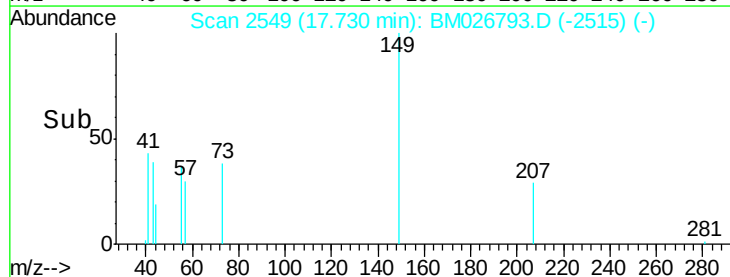
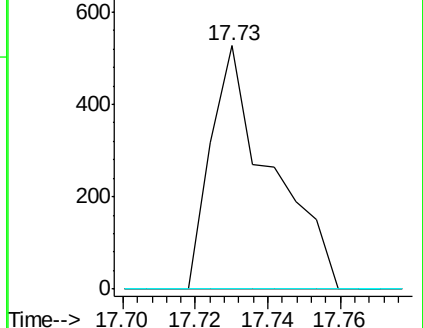
104 0.0 5.2 7.8#

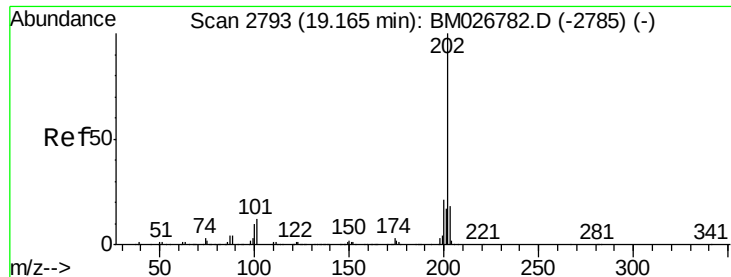


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

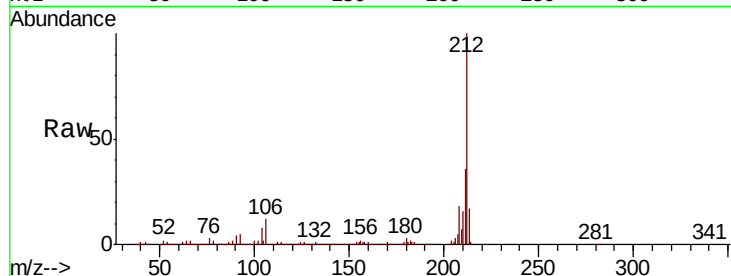




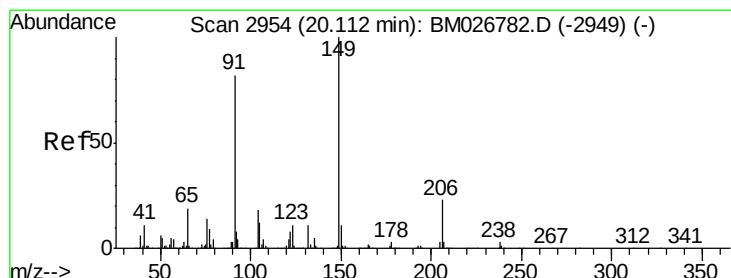
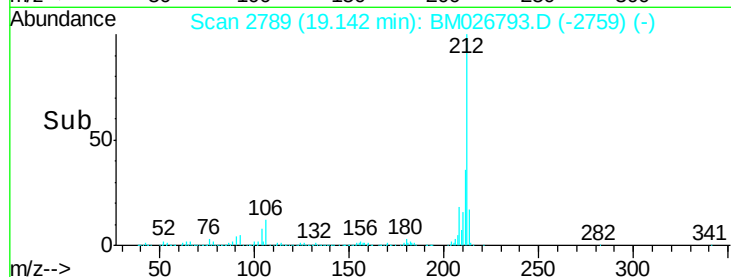
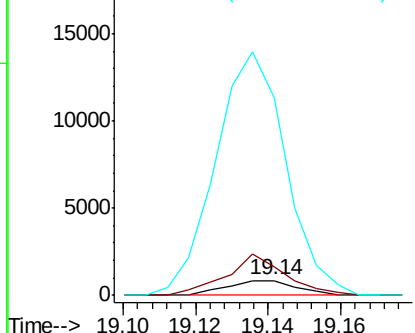
#80
Pvrene
Concen: 0.031 ng/ul
RT: 19.14 min Scan# 2789
Delta R.T. -0.02 min
Lab File: BM026793.D
Acq: 16 Jul 2020 20:06

Instrument :
BNA_M
ClientSampleId :
SBLK84

Tot Ion:202 Resp: 1125
Ion Ratio Lower Upper
202 100
101 200.6 9.4 14.2#
100 1363.3 8.0 12.0#

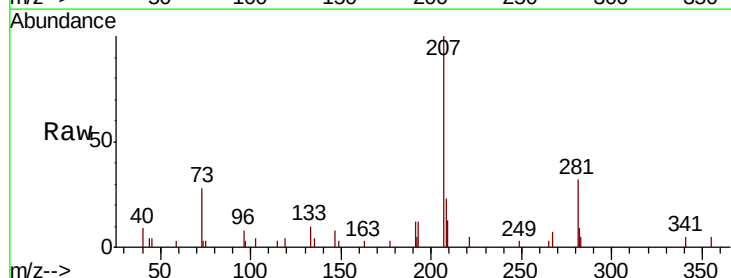


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

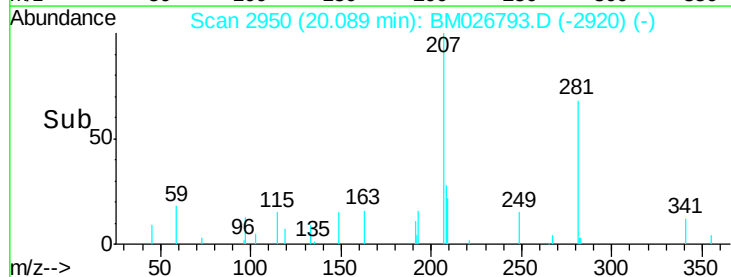
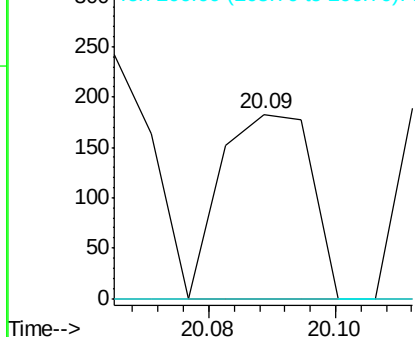


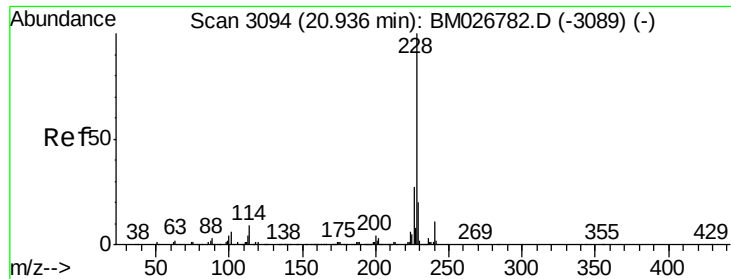
#81
Butylbenzylphthalate
Concen: 0.014 ng/ul
RT: 20.09 min Scan# 2950
Delta R.T. -0.02 min
Lab File: BM026793.D
Acq: 16 Jul 2020 20:06

Tgt Ion:149 Resp: 181
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): BM
Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 0.035 ng/ul

RT: 20.95 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

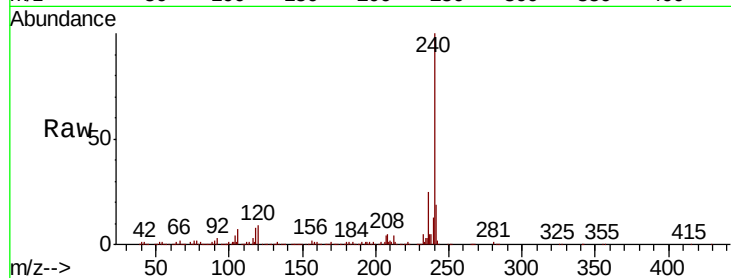
Tot Ion:228 Resp: 1227

Ion Ratio Lower Upper

228 100

229 31.1 15.4 23.0#

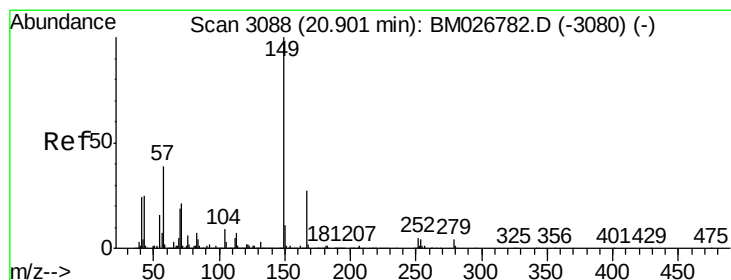
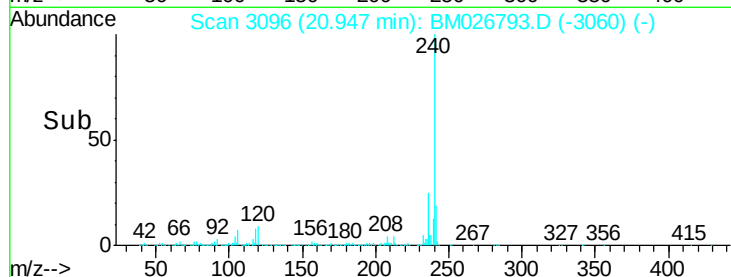
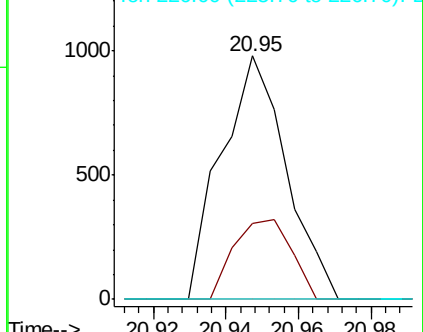
226 0.0 21.2 31.8#



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: 0.020 ng/ul

RT: 20.91 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

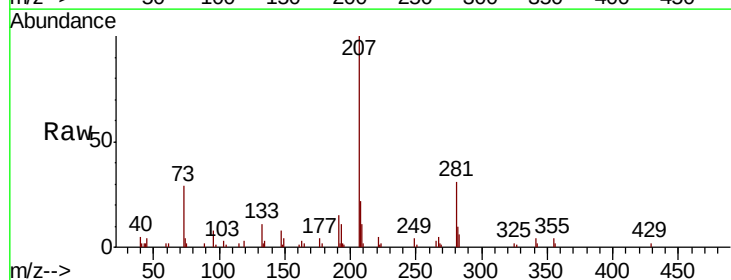
Tgt Ion:149 Resp: 383

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

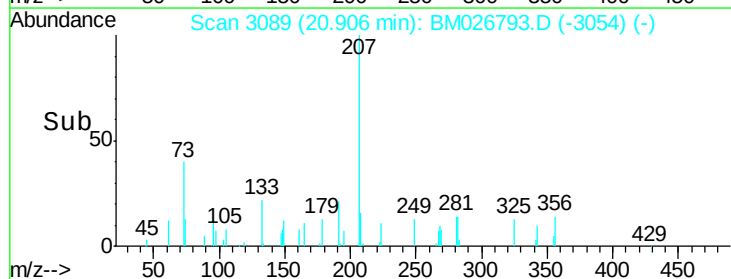
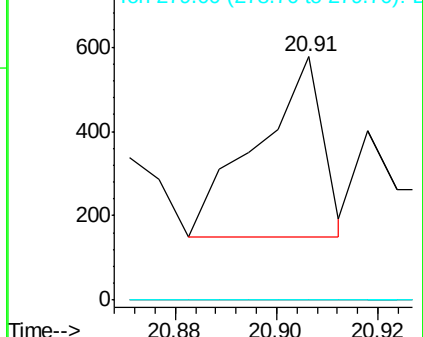
279 0.0 3.6 5.4#

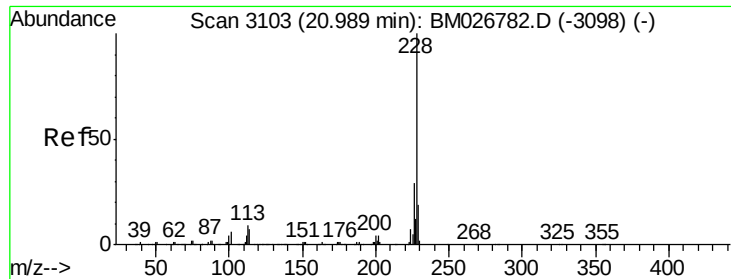


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 0.035 ng/ul

RT: 20.95 min Scan# 3096

Delta R.T. -0.04 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

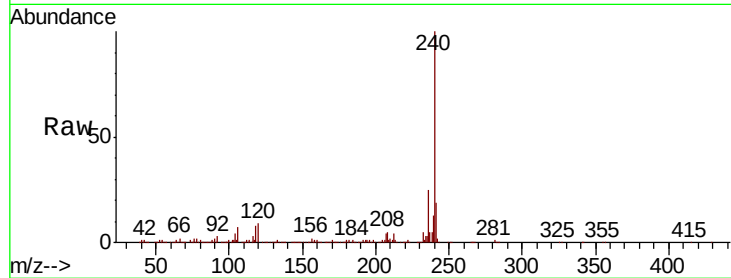
Tot Ion:228 Resp: 1227

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

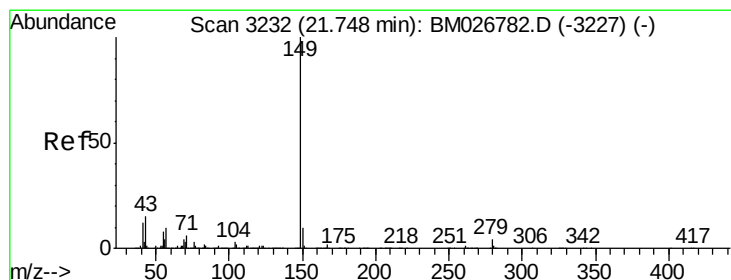
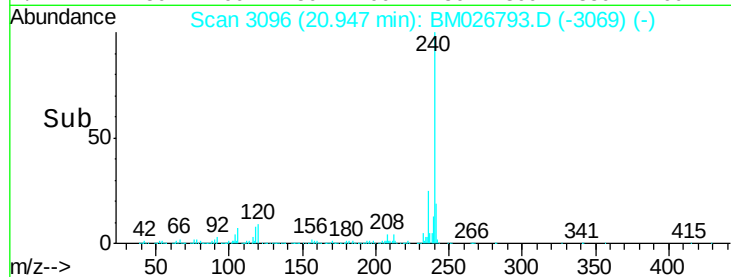
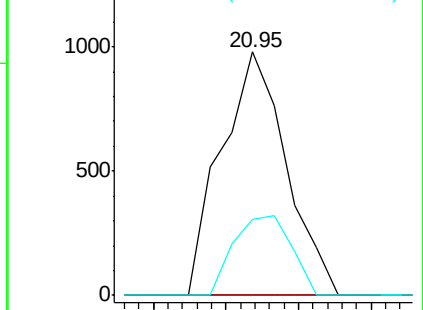
229 31.1 15.5 23.3#



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: 0.002 ng/ul

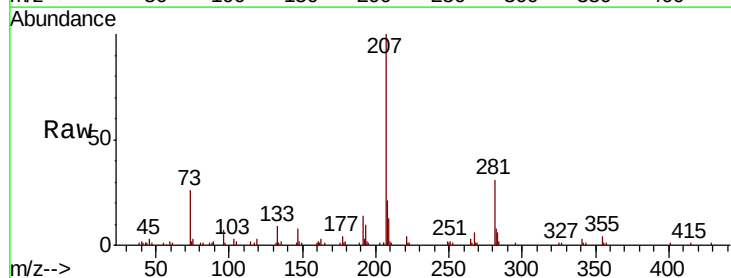
RT: 21.75 min Scan# 3232

Delta R.T. -0.00 min

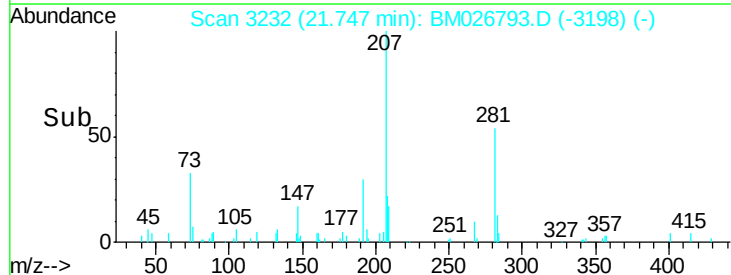
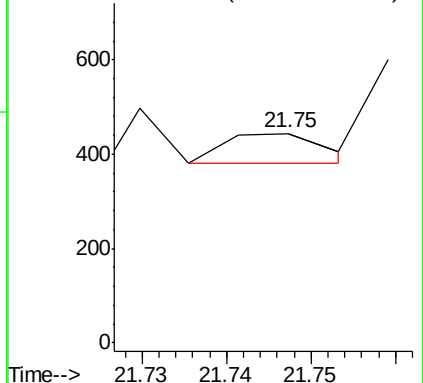
Lab File: BM026793.D

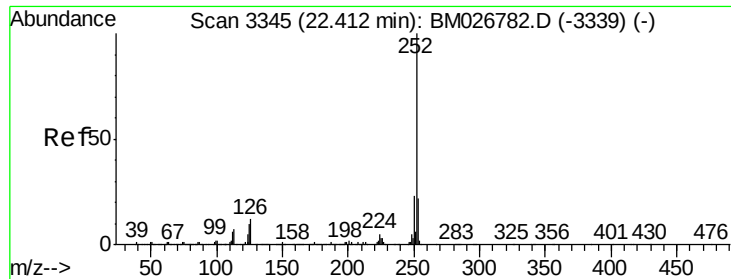
Acq: 16 Jul 2020 20:06

Tgt Ion:149 Resp: 52



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 0.008 ng/ul

RT: 22.41 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

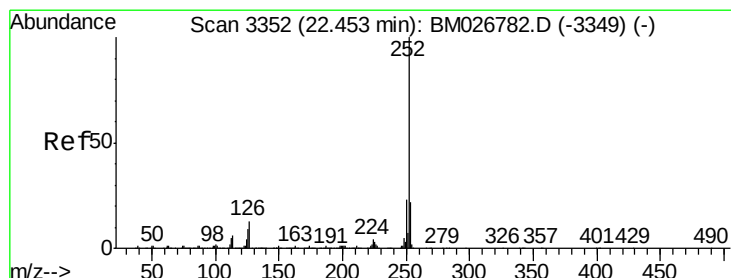
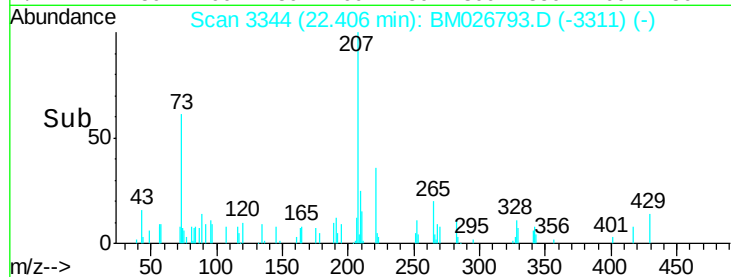
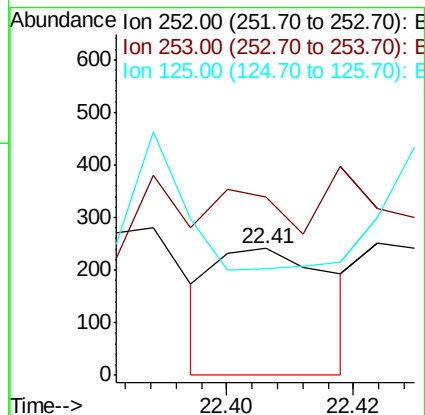
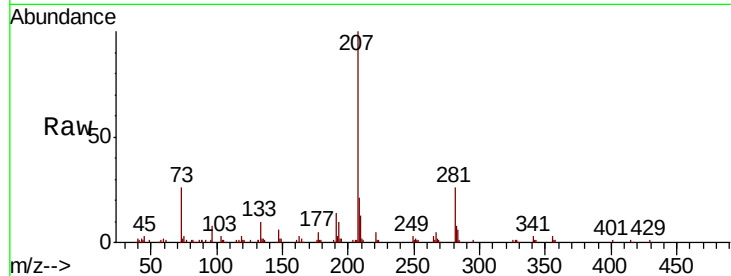
Instrument :

BNA_M

ClientSampleId :

SBLK84

Tot Ion:252	Resp:	307
Ion Ratio	Lower	Upper
252	100	
253	141.1	17.2 25.8#
125	83.8	7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 0.009 ng/ul

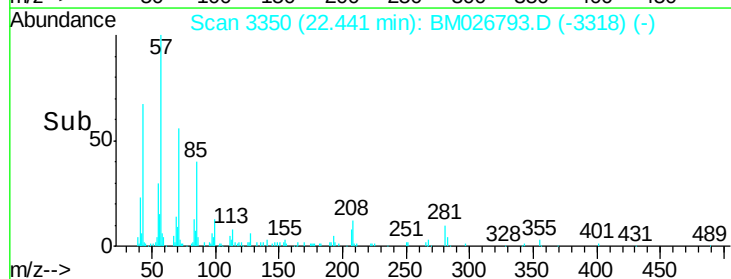
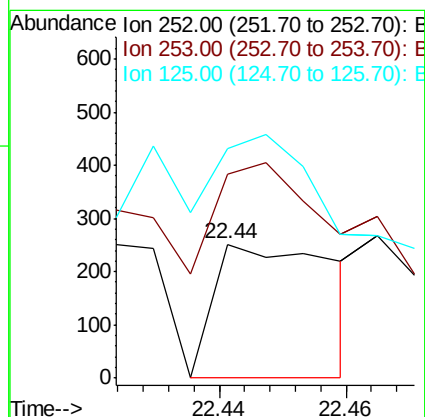
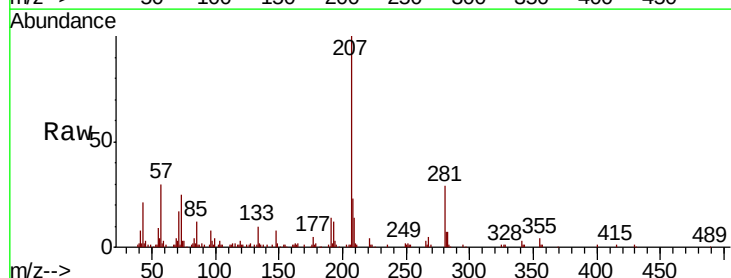
RT: 22.44 min Scan# 3350

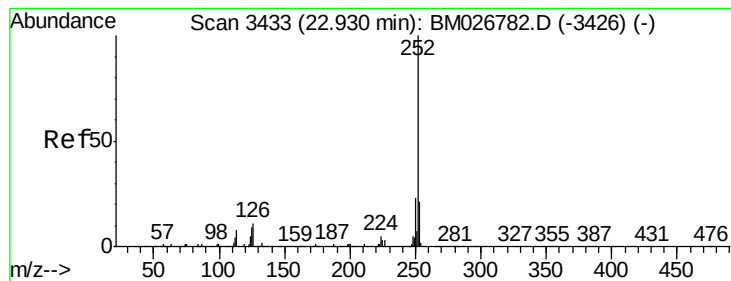
Delta R.T. -0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Tgt Ion:252	Resp:	328
Ion Ratio	Lower	Upper
252	100	
253	152.6	17.1 25.7#
125	171.7	7.7 11.5#





#91

Benzo(a)pyrene

Concen: 0.003 ng/ul

RT: 22.92 min Scan# 3432

Delta R.T. -0.01 min

Lab File: BM026793.D

Acq: 16 Jul 2020 20:06

Instrument :

BNA_M

ClientSampleId :

SBLK84

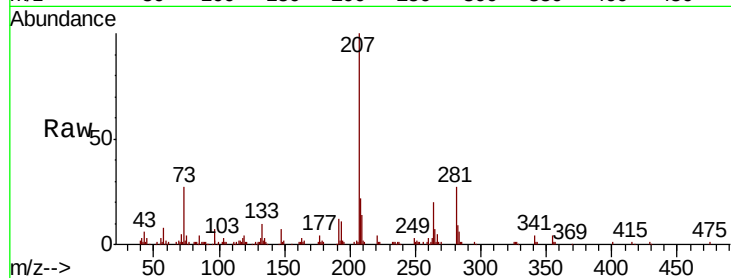
Tot Ion:252 Resp: 86

Ion Ratio Lower Upper

252 100

253 93.2 17.4 26.0#

125 59.1 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

