

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071620\
 Data File : BM026785.D
 Acq On : 16 Jul 2020 14:02
 Operator : JU/CG
 Sample : PB130183BL
 Misc : PBBL-SOIL-07
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK83

Quant Time: Jul 16 15:25:50 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	59170	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	253075	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	171636	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.72	188	395797	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	433806	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	456446	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	12308	6.25	ng/uL	0.00
5) Phenol-d5	6.52	99	199986	36.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	130676	35.66	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	151160	36.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	164317	37.91	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	69668	34.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	77638	36.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	143202	34.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	189182	42.99	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	500445	36.55	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	552966	33.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.23	143	56949	28.82	ng/ul	0.00
58) Fluorene-d10	14.98	176	419942	35.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	70745	28.61	ng/ul	0.00
71) Anthracene-d10	16.82	188	657779	33.75	ng/ul	0.00
79) Pyrene-d10	19.14	212	761871	33.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	882565	35.83	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.95	88	137	0.064	ng/uL# 28
4) Benzaldehyde	6.52	77	438	0.152	ng/ul# 8
15) N-Nitroso-di-n-propylamine	8.08	70	54	0.012	ng/ul# 1
20) Nitrobenzene	8.45	77	890	0.141	ng/ul# 42
21) Isophorone	9.17	82	9632	0.908	ng/ul# 73
45) Dimethylphthalate	13.39	163	222	0.015	ng/ul# 1
46) 2,6-Dinitrotoluene	13.41	165	2704	0.976	ng/ul# 34
59) Fluorene	14.98	166	918	0.063	ng/ul# 5
61) 4-Nitroaniline	14.98	138	271	0.104	ng/ul# 1
64) 4,6-Dinitro-2-methylphenol	15.14	198	135	0.052	ng/ul# 1
65) N-Nitrosodiphenylamine	15.13	169	650	0.049	ng/ul# 15
70) Phenanthrene	16.82	178	67	0.003	ng/ul# 1
72) Anthracene	16.83	178	89	0.004	ng/ul# 1
76) Di-n-butylphthalate	17.74	149	167	0.007	ng/ul# 78
80) Pyrene	19.14	202	893	0.029	ng/ul# 1
81) Butylbenzylphthalate	20.09	149	87	0.008	ng/ul# 17
83) Benzo(a)anthracene	20.95	228	1142	0.038	ng/ul# 67
84) Bis(2-ethylhexyl)phthalate	20.91	149	120	0.007	ng/ul# 53
85) Chrysene	20.95	228	1142	0.039	ng/ul# 65
87) Di-n-octyl phthalate	21.75	149	115	0.004	ng/ul 100
88) Benzo(b)fluoranthene	22.42	252	420	0.014	ng/ul# 1
89) Benzo(k)fluoranthene	22.45	252	214	0.007	ng/ul# 1
91) Benzo(a)pyrene	22.92	252	424	0.015	ng/ul# 1

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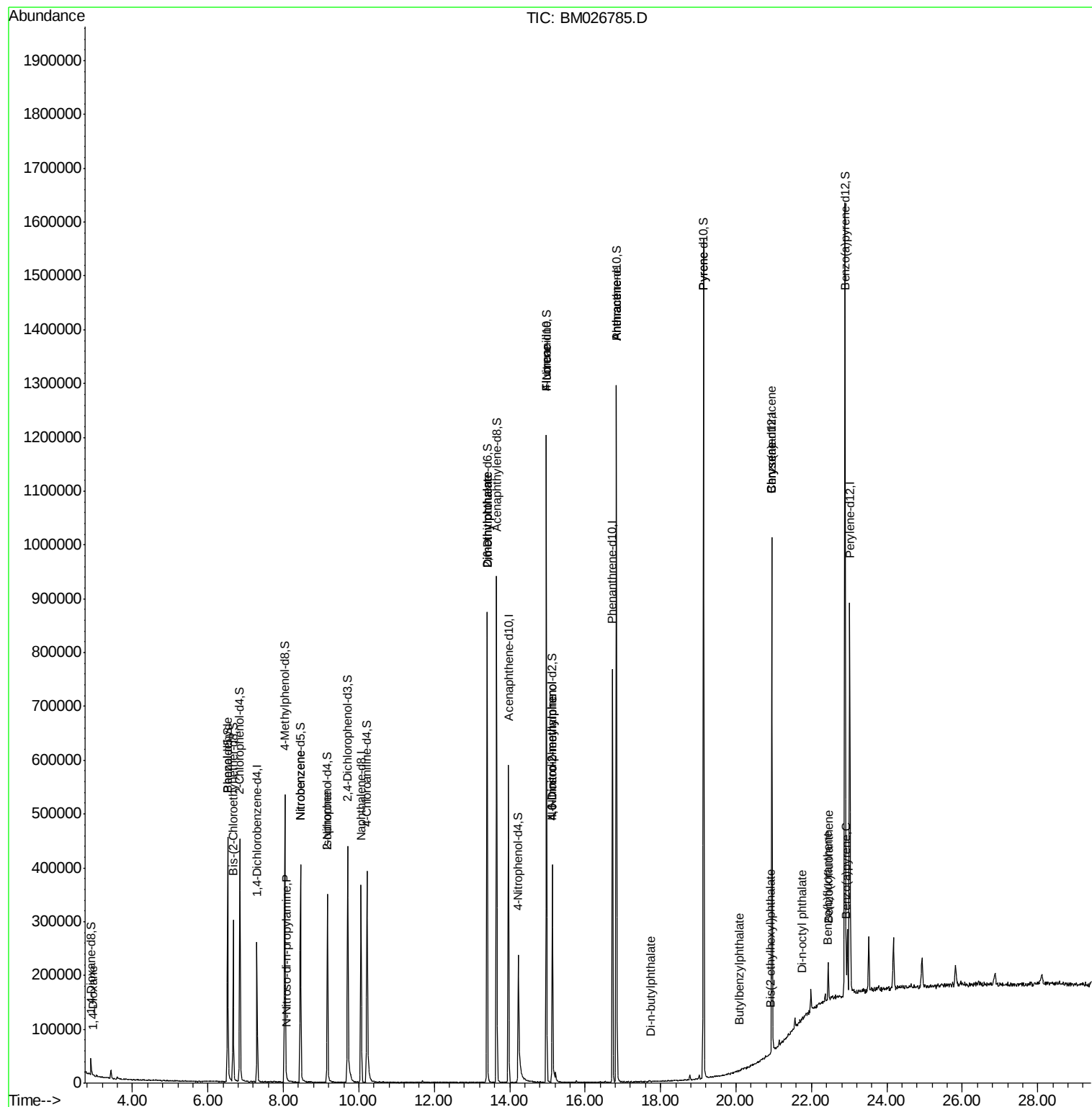
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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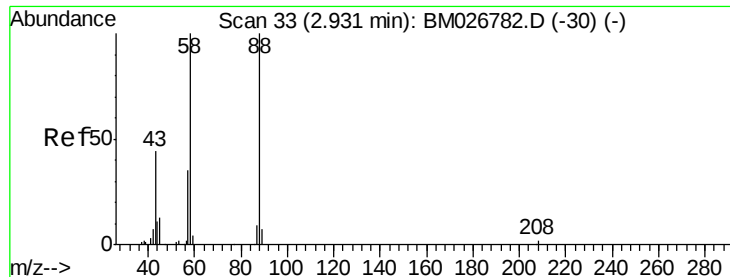
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.064 ng/uL

RT: 2.95 min Scan# 36

Delta R.T. 0.02 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampleId :

SBLK83

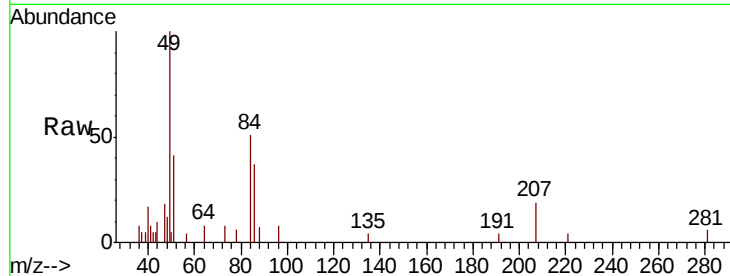
Tot Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 69.1 38.2 57.2#

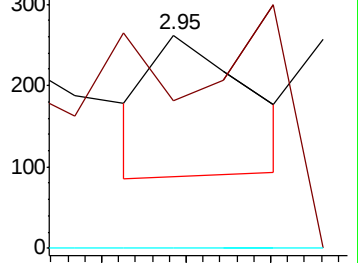
58 0.0 68.9 103.3#



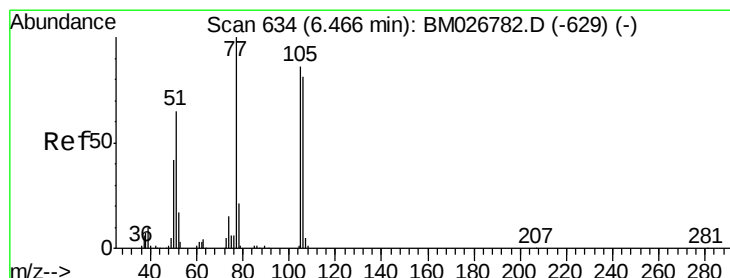
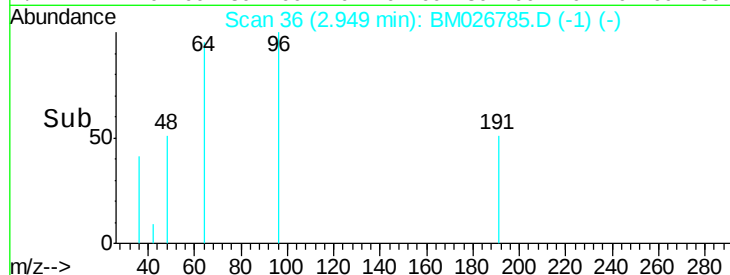
Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

Ion 58.00 (57.70 to 58.70): BM0



Time-->



#4

Benzaldehyde

Concen: 0.152 ng/uL

RT: 6.52 min Scan# 643

Delta R.T. 0.05 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

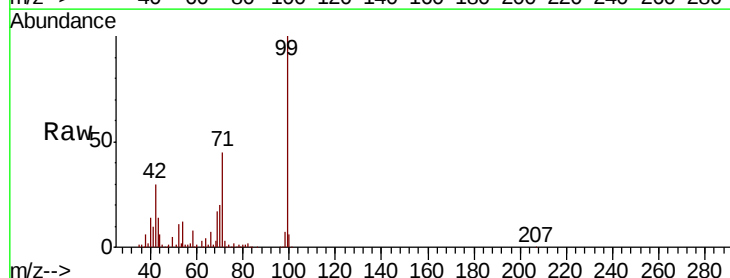
Tgt Ion: 77 Resp: 438

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

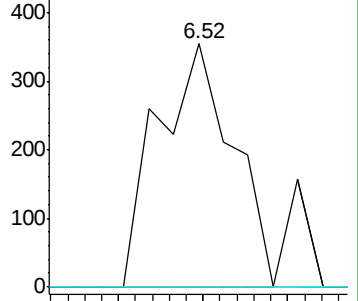
106 0.0 66.2 99.4#



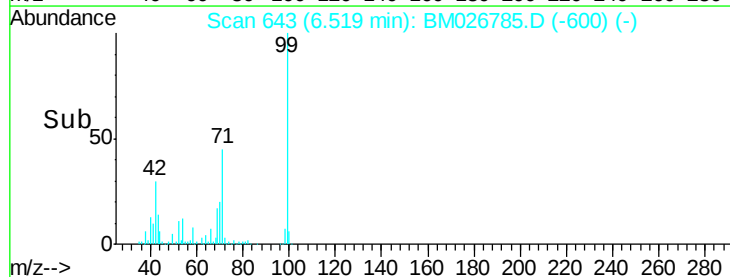
Abundance Ion 77.00 (76.70 to 77.70): BM0

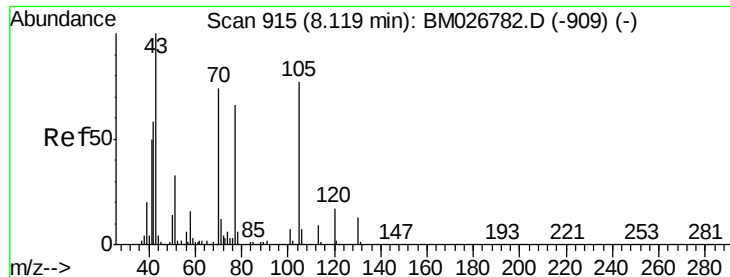
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->

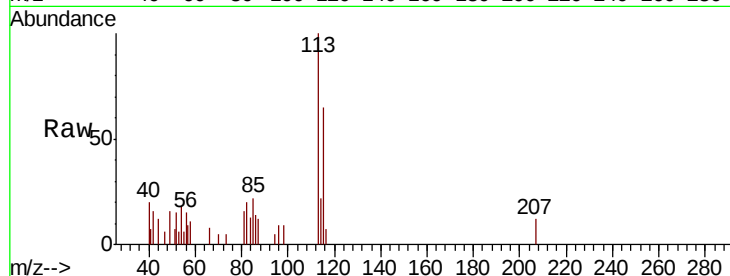




#15
N-Nitroso-di-n-propylamine
Concen: 0.012 ng/ul
RT: 8.08 min Scan# 908
Delta R.T. -0.04 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

Instrument :
BNA_M
ClientSampleId :
SBLK83

Tot Ion	Ratio	Lower	Upper
70	100		
42	328.6	58.5	87.7#
101	0.0	7.0	10.4#
130	0.0	13.2	19.8#



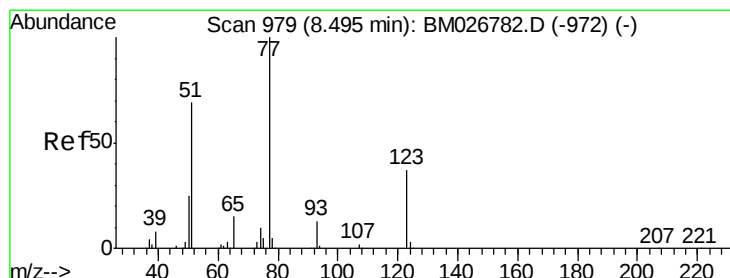
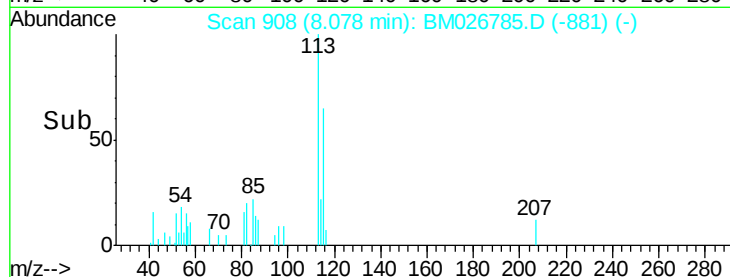
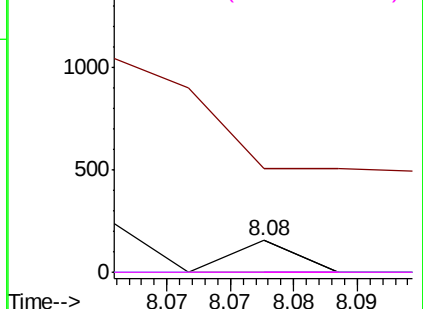
Abundance

Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

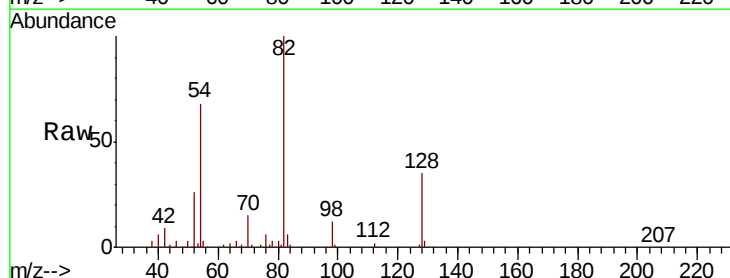
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
Nitrobenzene
Concen: 0.141 ng/ul
RT: 8.45 min Scan# 971
Delta R.T. -0.05 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.8	44.8#
65	34.3	11.8	17.6#

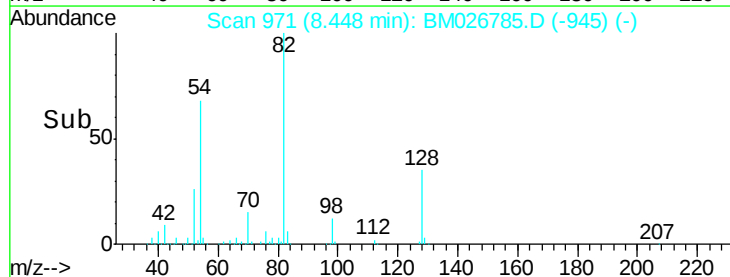
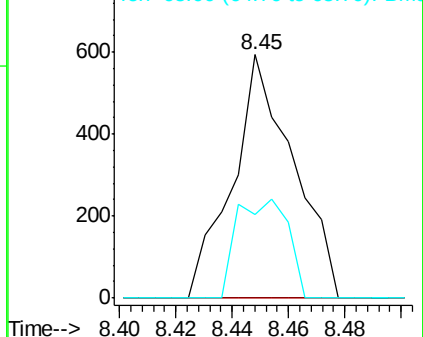


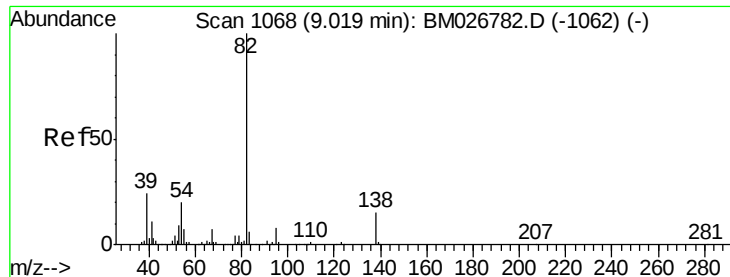
Abundance

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: 0.908 ng/ul

RT: 9.17 min Scan# 1093

Delta R.T. 0.15 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

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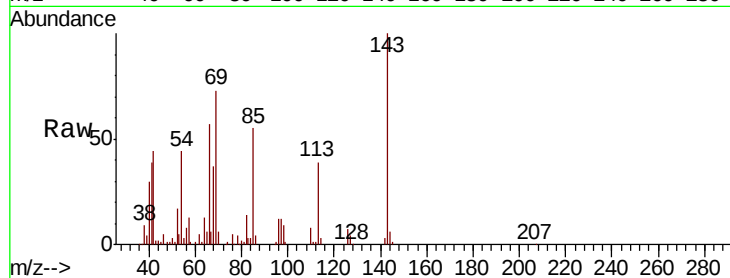
Tot Ion: 82 Resp: 9632

Ion Ratio Lower Upper

82 100

95 4.7 6.4 9.6#

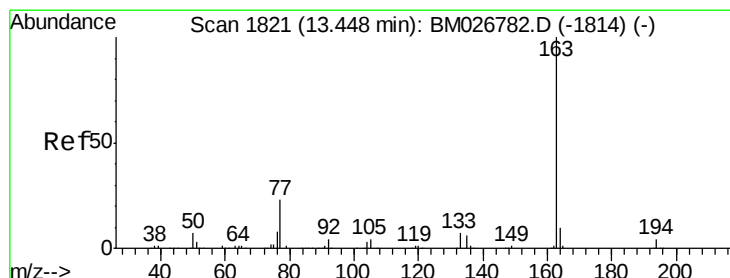
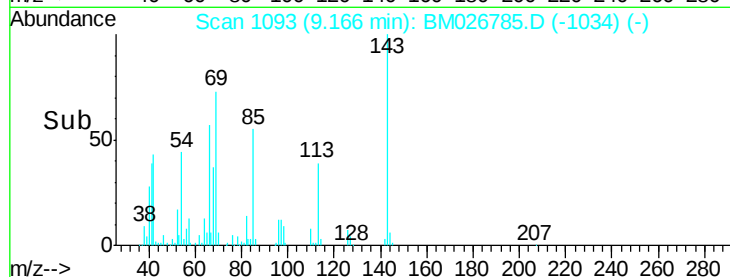
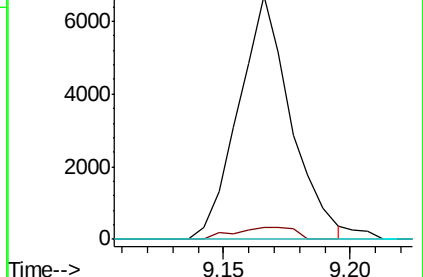
138 0.0 12.2 18.4#



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

Ion 95.00 (94.70 to 95.70): BM026785.D (-1034) (-)

Ion 138.00 (137.70 to 138.70): BM026785.D (-1034) (-)



#45

Dimethylphthalate

Concen: 0.015 ng/ul

RT: 13.39 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

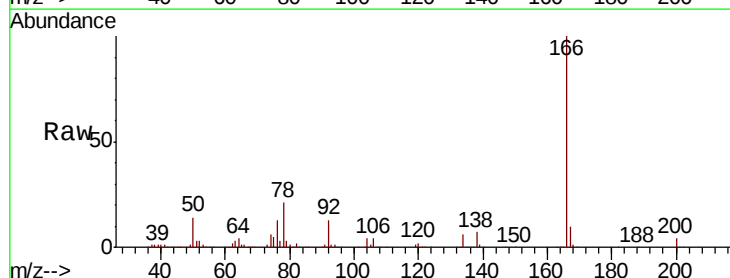
Tgt Ion: 163 Resp: 222

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

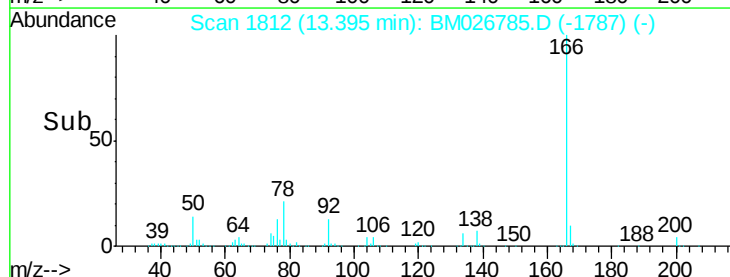
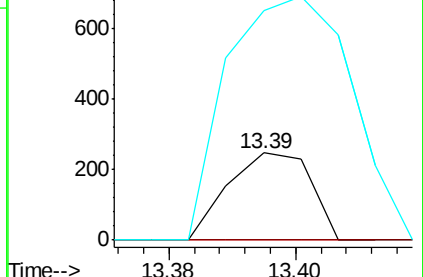
164 262.3 7.8 11.6#

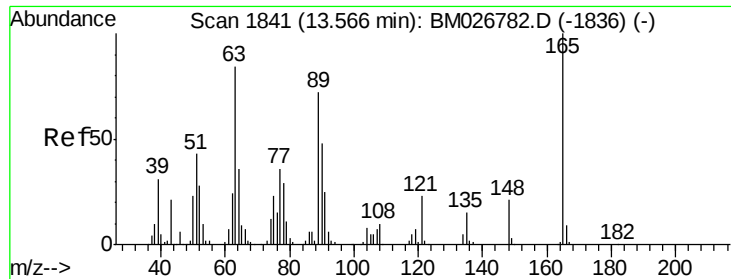


Abundance Ion 163.00 (162.70 to 163.70): BM026782.D (-1814) (-)

Ion 194.00 (193.70 to 194.70): BM026785.D (-1787) (-)

Ion 164.00 (163.70 to 164.70): BM026785.D (-1787) (-)

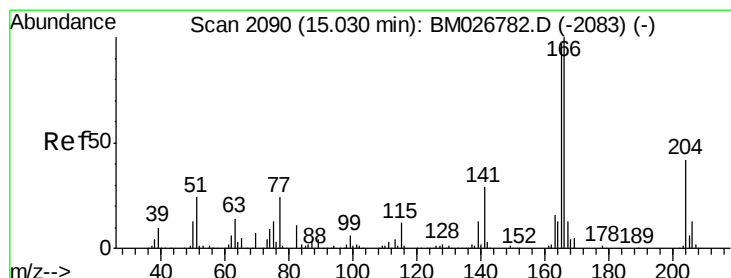
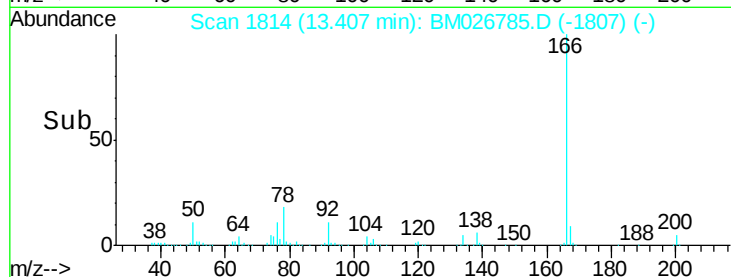
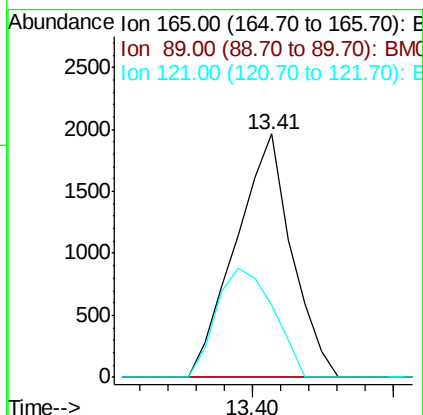
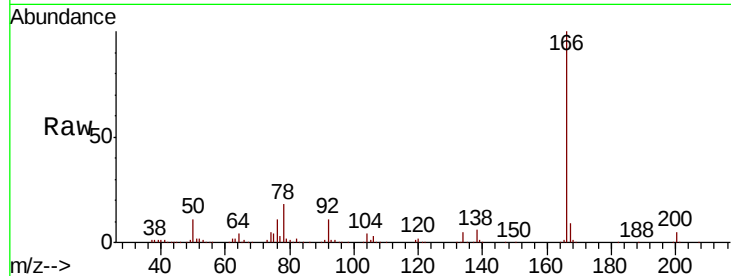




#46
 2,6-Dinitrotoluene
 Concen: 0.976 ng/ul
 RT: 13.41 min Scan# 1814
 Delta R.T. -0.16 min
 Lab File: BM026785.D
 Acq: 16 Jul 2020 14:02

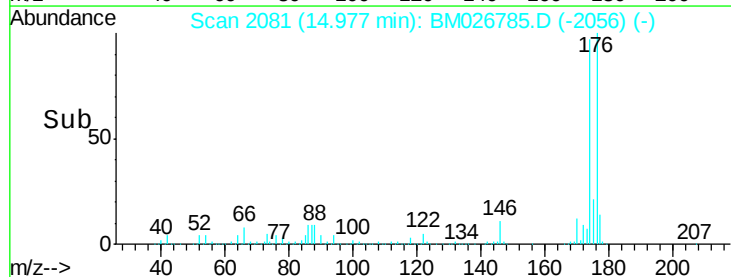
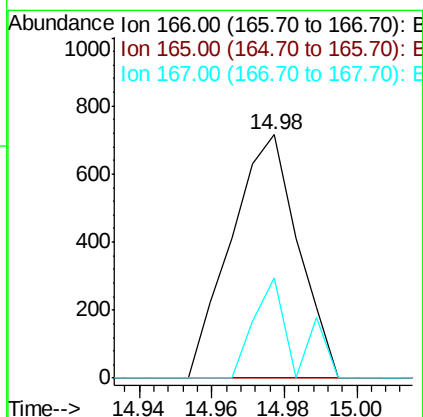
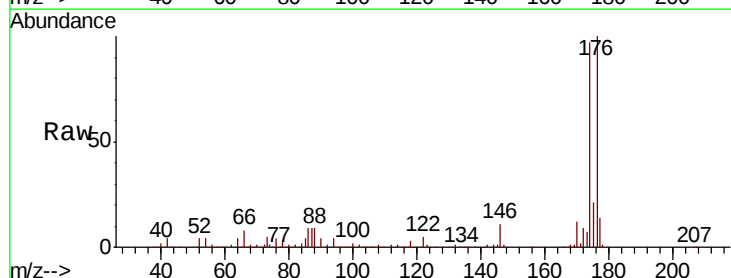
Instrument :
 BNA_M
 ClientSampled :
 SBLK83

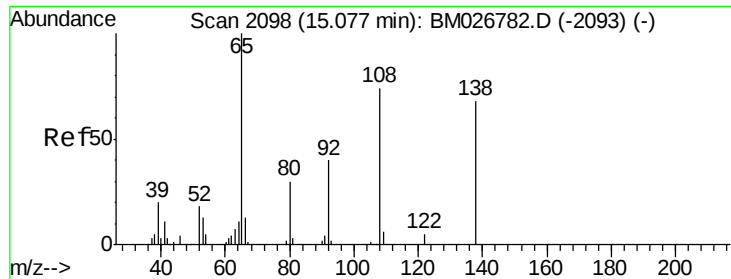
Tot Ion:165 Resp: 2704
 Ion Ratio Lower Upper
 165 100
 89 0.0 54.2 81.4#
 121 29.6 18.2 27.4#



#59
 Fluorene
 Concen: 0.063 ng/ul
 RT: 14.98 min Scan# 2081
 Delta R.T. -0.05 min
 Lab File: BM026785.D
 Acq: 16 Jul 2020 14:02

Tgt Ion:166 Resp: 918
 Ion Ratio Lower Upper
 166 100
 165 0.0 77.0 115.4#
 167 41.1 10.7 16.1#

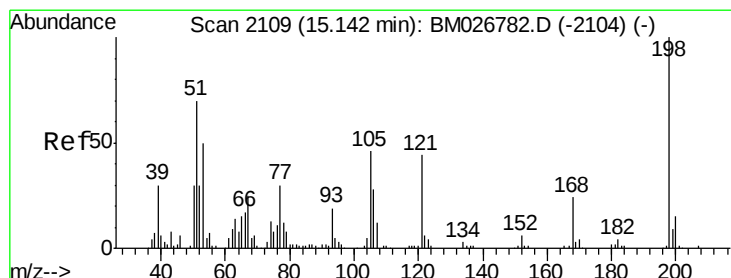
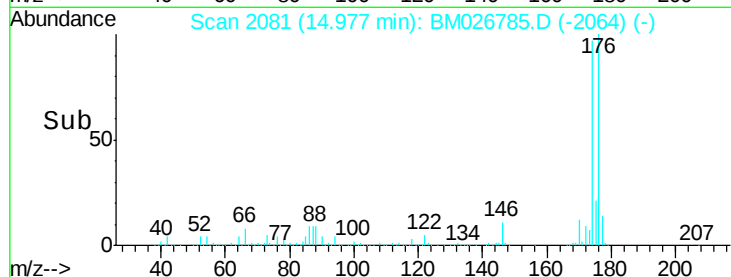
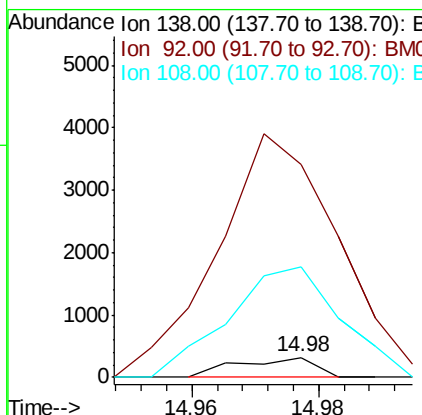
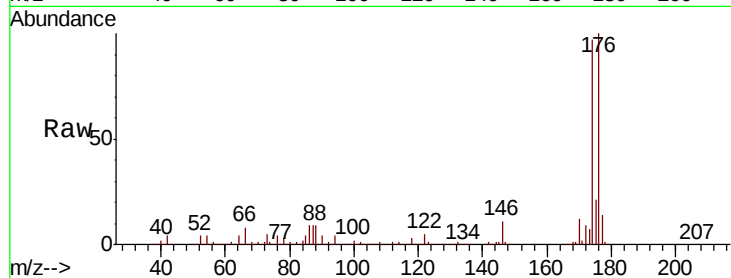




#61
4-Nitroaniline
Concen: 0.104 ng/ul
RT: 14.98 min Scan# 2081
Delta R.T. -0.10 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

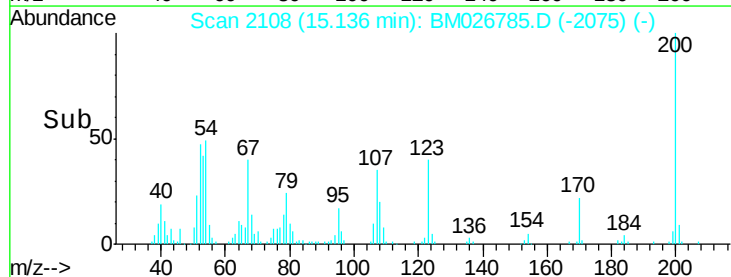
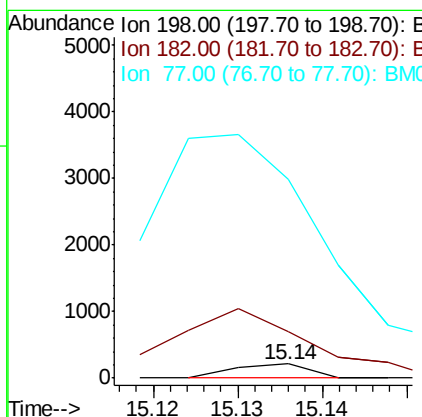
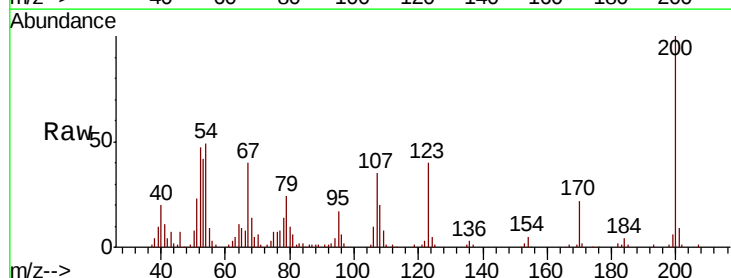
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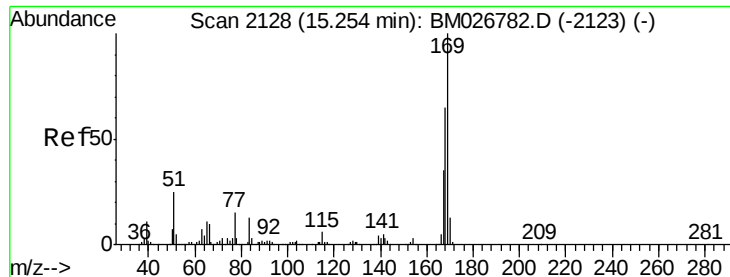
Tot Ion:138 Resp: 271
Ion Ratio Lower Upper
138 100
92 1076.3 47.7 71.5#
108 559.6 82.6 123.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 0.052 ng/ul
RT: 15.14 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

Tgt Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
182 323.0 4.0 6.0#
77 1378.3 26.7 40.1#



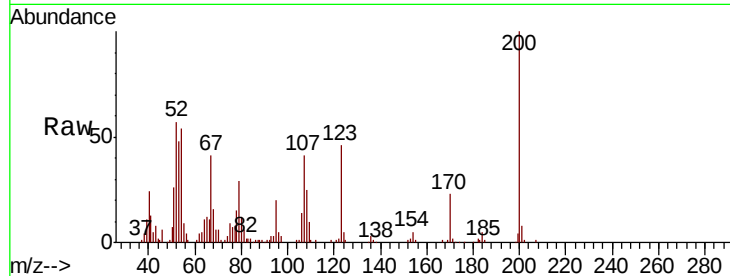


#65

N-Nitrosodiphenylamine
 Concen: 0.049 ng/ul
 RT: 15.13 min Scan# 2107
 Delta R.T. -0.12 min
 Lab File: BM026785.D
 Acq: 16 Jul 2020 14:02

Instrument :
 BNA_M
 ClientSampled :
 SBLK83

Tot Ion	169	Resp	650
Ion Ratio	100		
Lower		51.7	77.5#
Upper		28.4	42.6#

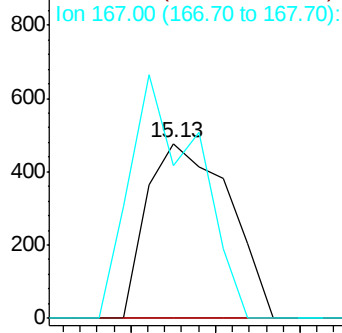


Abundance

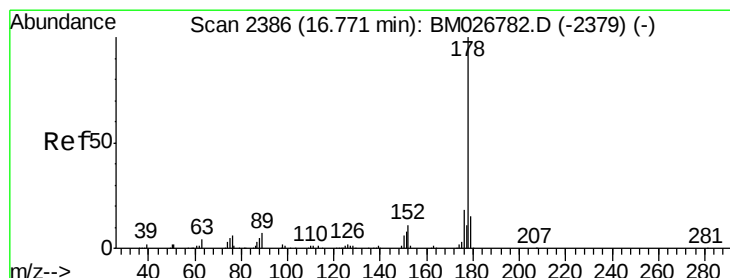
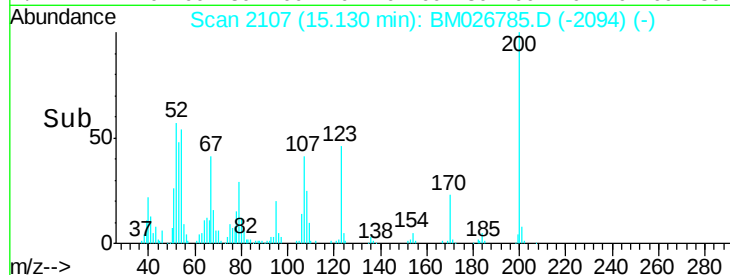
Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



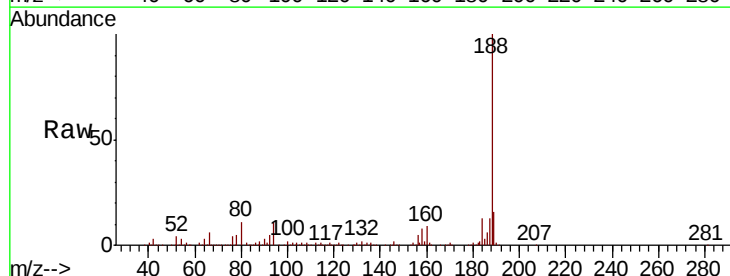
Time-->



#70

Phenanthrene
 Concen: 0.003 ng/ul
 RT: 16.82 min Scan# 2394
 Delta R.T. 0.05 min
 Lab File: BM026785.D
 Acq: 16 Jul 2020 14:02

Tgt Ion	178	Resp	67
Ion Ratio	100		
Lower		12.4	18.6#
Upper		14.3	21.5#

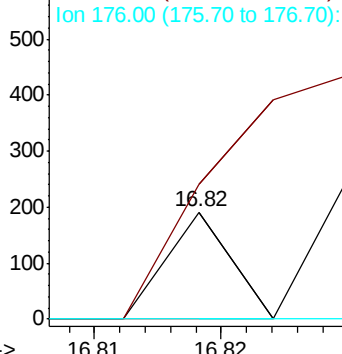


Abundance

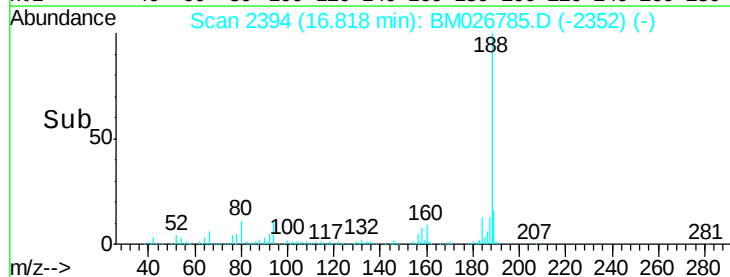
Ion 178.00 (177.70 to 178.70): E

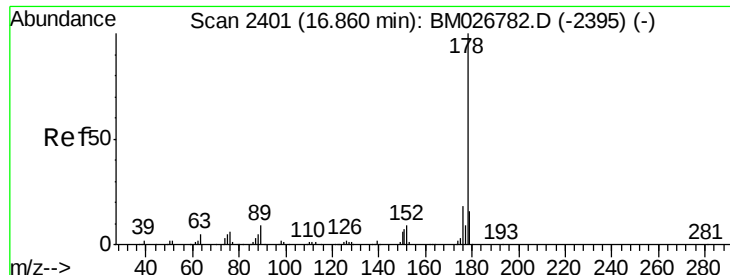
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Anthracene

Concen: 0.004 ng/u1

RT: 16.83 min Scan# 2396

Delta R.T. -0.03 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampleId :

SBLK83

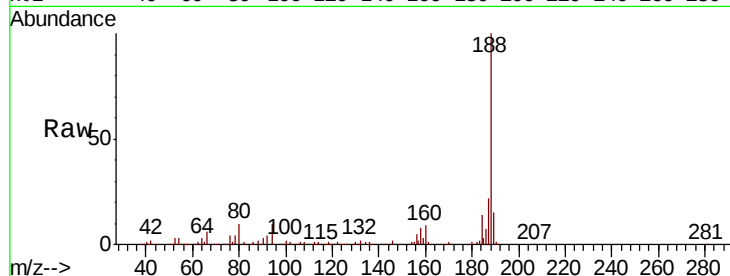
Tot Ion:178 Resp: 89

Ion Ratio Lower Upper

178 100

179 173.3 11.8 17.6#

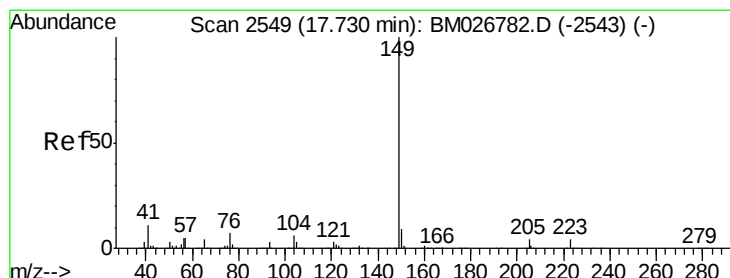
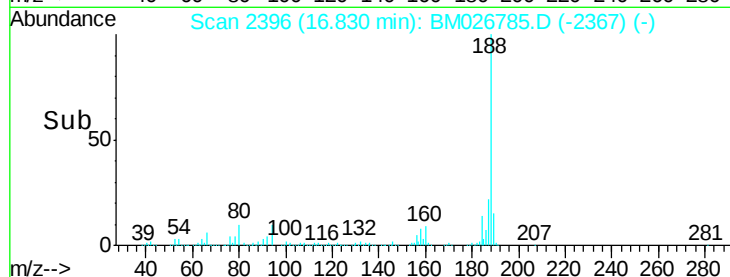
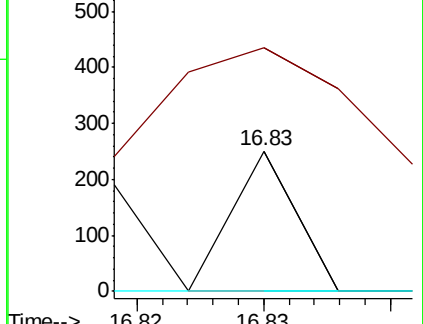
176 0.0 14.7 22.1#



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: 0.007 ng/u1

RT: 17.74 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

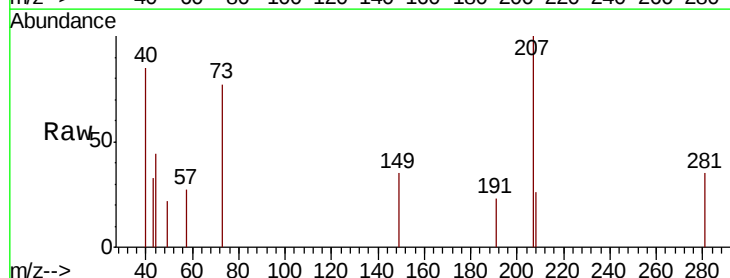
Tgt Ion:149 Resp: 167

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

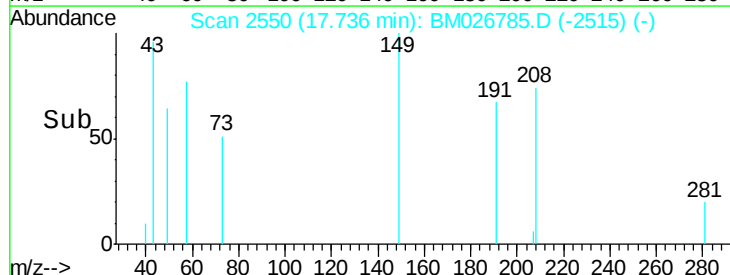
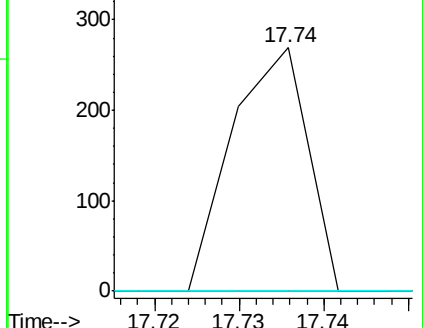
104 0.0 5.2 7.8#

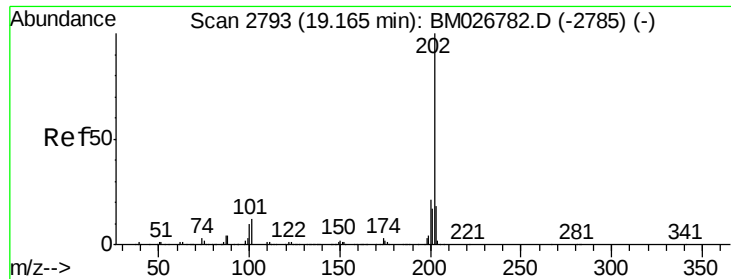


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

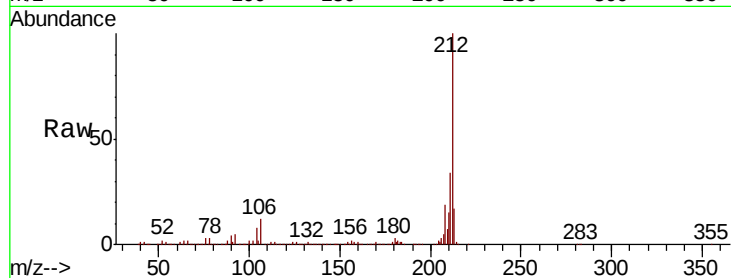




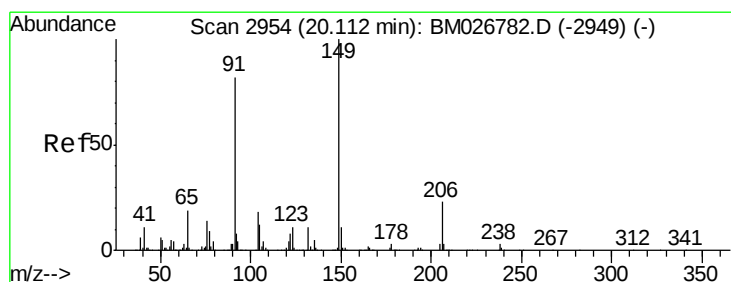
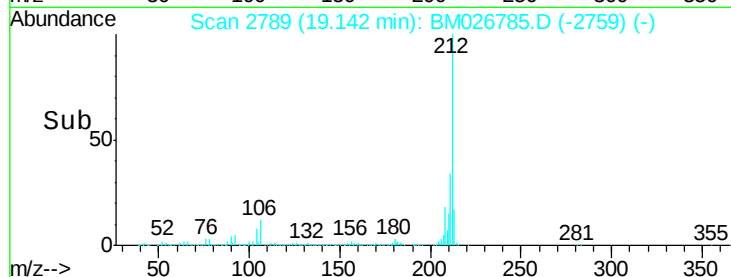
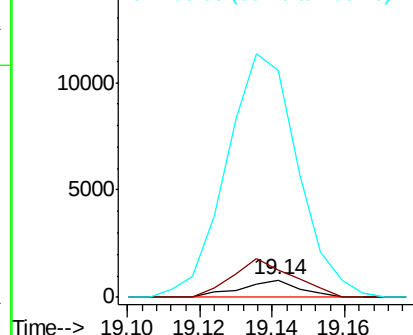
#80
Pvrene
Concen: 0.029 ng/ul
RT: 19.14 min Scan# 2789
Delta R.T. -0.02 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

Instrument :
BNA_M
ClientSampleId :
SBLK83

Tot Ion:202 Resp: 893
Ion Ratio Lower Upper
202 100
101 160.9 9.4 14.2#
100 1317.9 8.0 12.0#

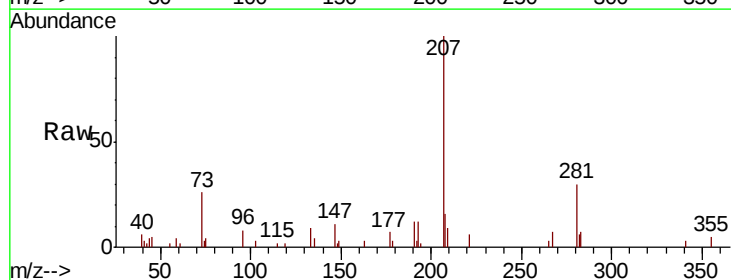


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

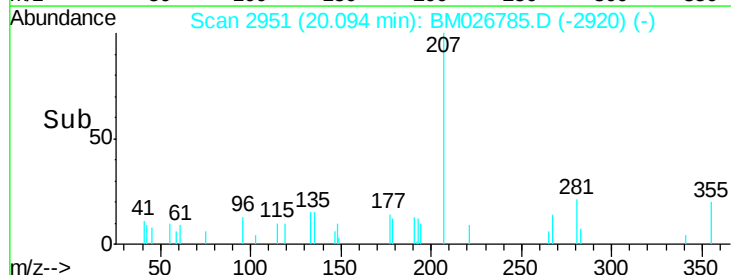
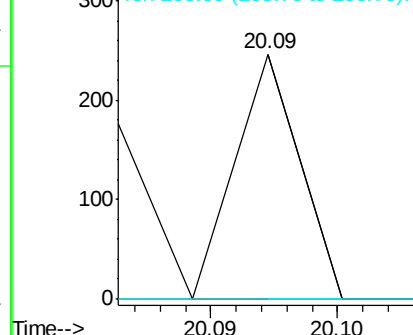


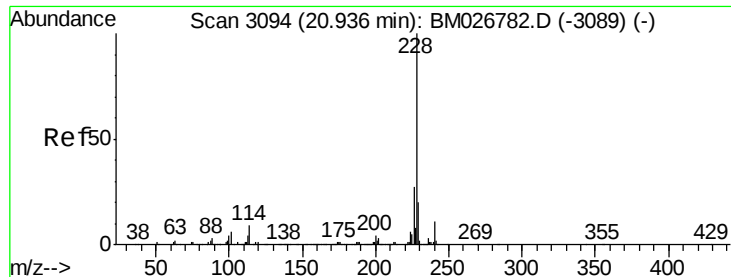
#81
Butylbenzylphthalate
Concen: 0.008 ng/ul
RT: 20.09 min Scan# 2951
Delta R.T. -0.02 min
Lab File: BM026785.D
Acq: 16 Jul 2020 14:02

Tgt Ion:149 Resp: 87
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: 0.038 ng/ul

RT: 20.95 min Scan# 3097

Delta R.T. 0.02 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampled :

SBLK83

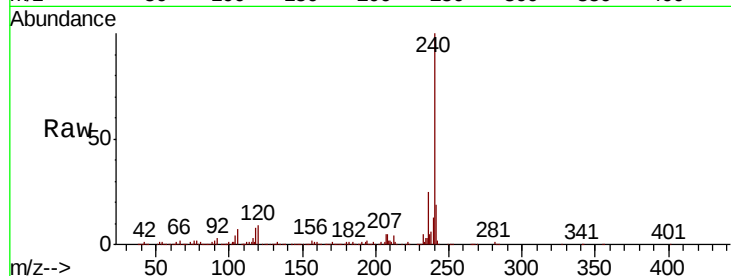
Tot Ion:228 Resp: 1142

Ion Ratio Lower Upper

228 100

229 22.1 15.4 23.0

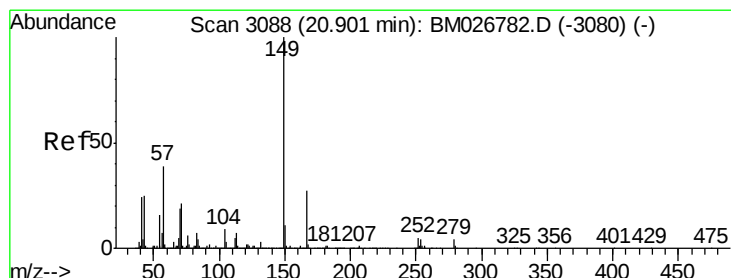
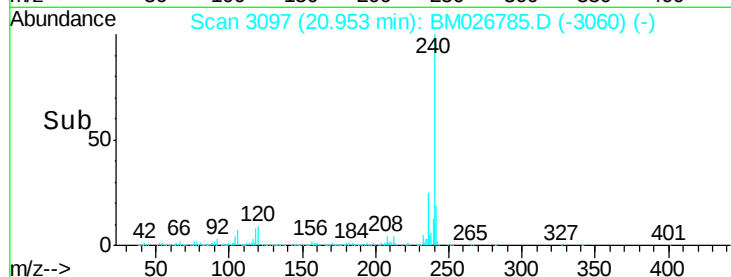
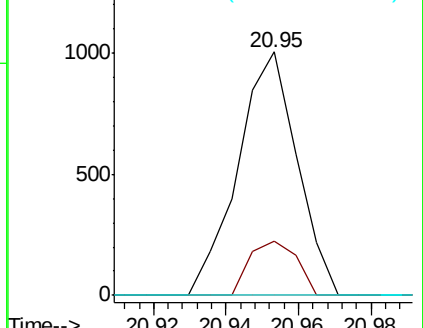
226 0.0 21.2 31.8#



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: 0.007 ng/ul

RT: 20.91 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

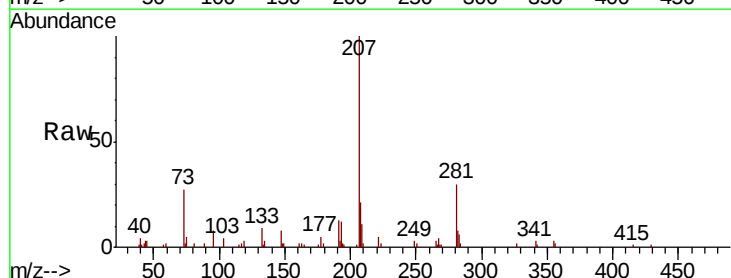
Tgt Ion:149 Resp: 120

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

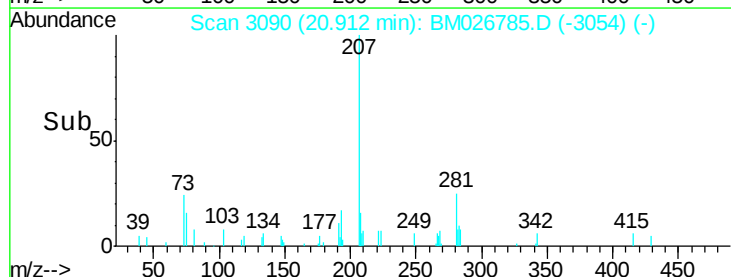
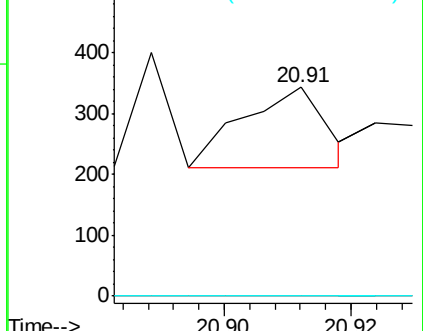
279 0.0 3.6 5.4#

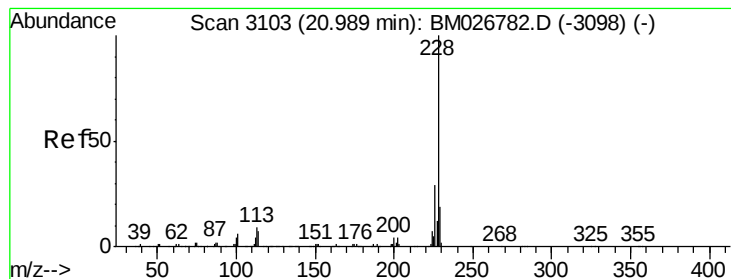


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 0.039 ng/ul

RT: 20.95 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampleId :

SBLK83

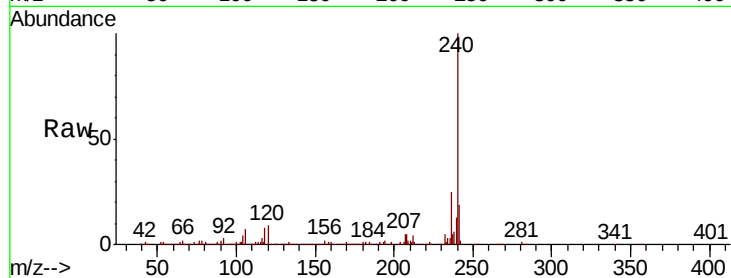
Tot Ion:228 Resp: 1142

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

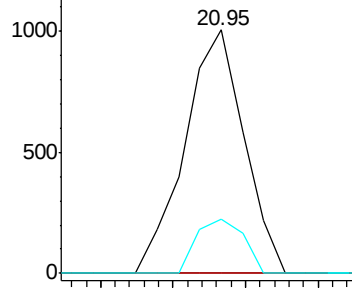
229 22.1 15.5 23.3



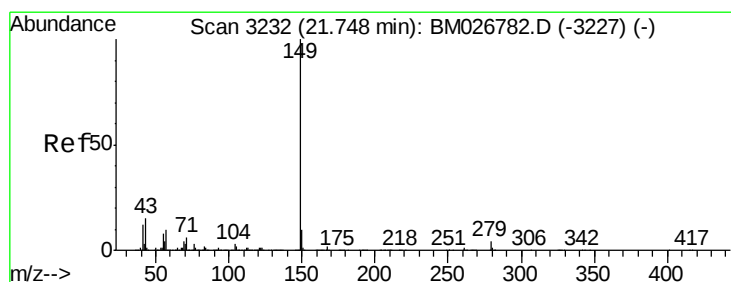
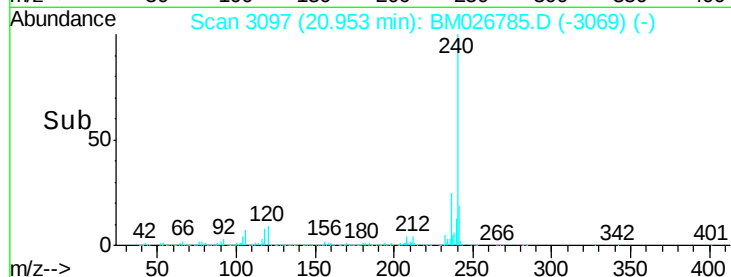
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Di-n-octyl phthalate

Concen: 0.004 ng/ul

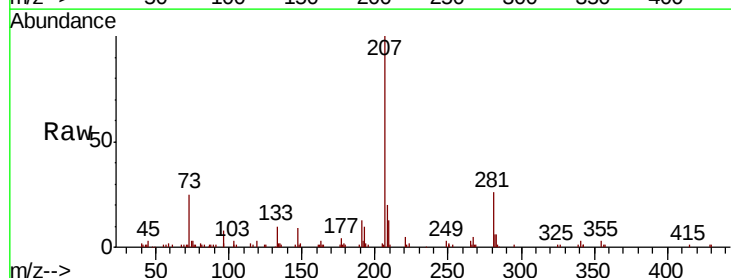
RT: 21.75 min Scan# 3233

Delta R.T. 0.01 min

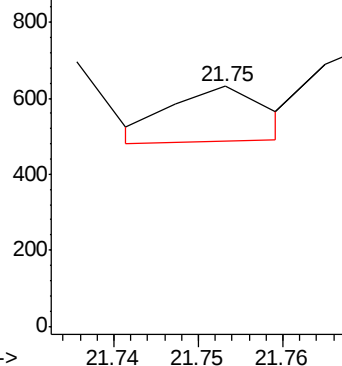
Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

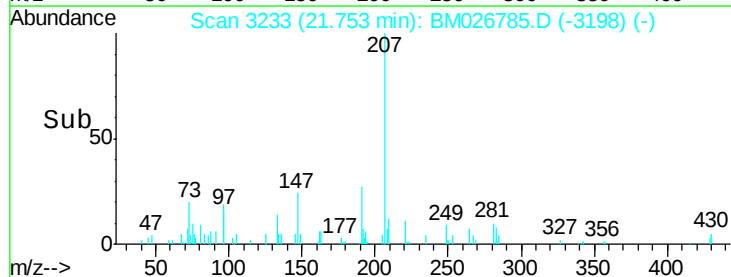
Tgt Ion:149 Resp: 115

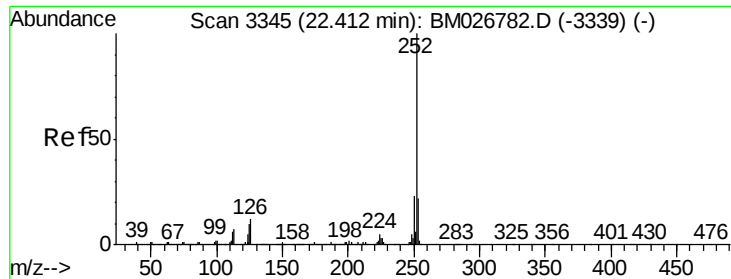


Abundance Ion 149.00 (148.70 to 149.70): E



Time-->





#88

Benzo(b)fluoranthene

Concen: 0.014 ng/ul

RT: 22.42 min Scan# 3347

Delta R.T. 0.01 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampled :

SBLK83

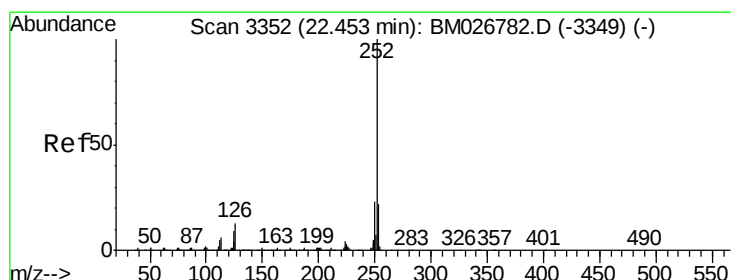
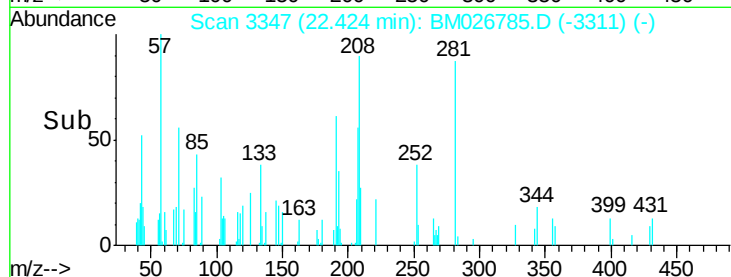
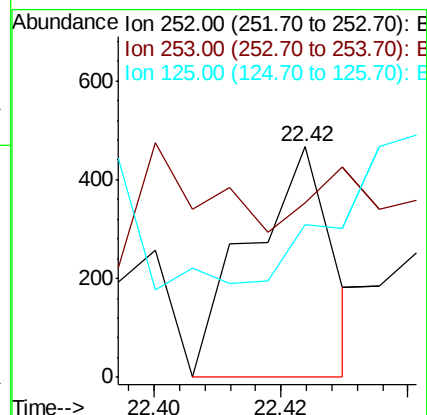
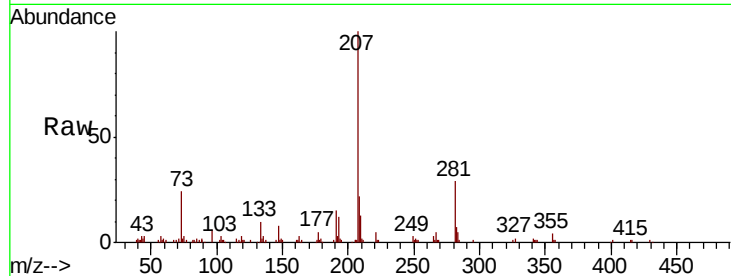
Tot Ion:252 Resp: 420

Ion Ratio Lower Upper

252 100

253 75.8 17.2 25.8#

125 66.1 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 0.007 ng/ul

RT: 22.45 min Scan# 3352

Delta R.T. -0.00 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

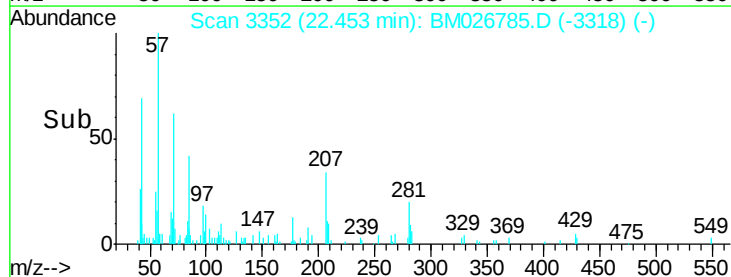
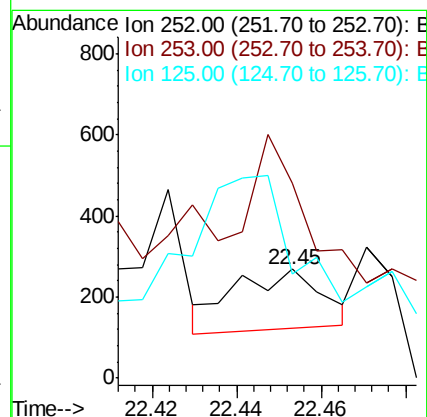
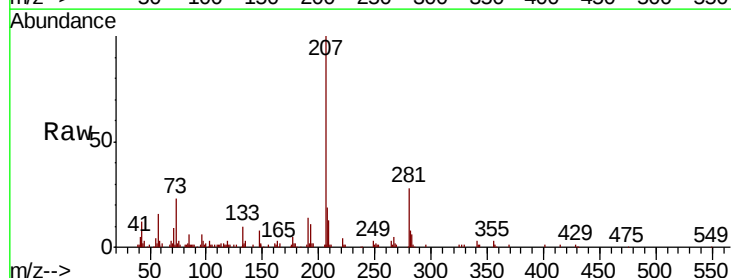
Tgt Ion:252 Resp: 214

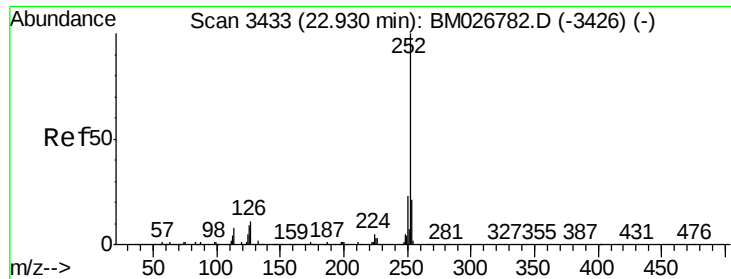
Ion Ratio Lower Upper

252 100

253 179.1 17.1 25.7#

125 96.3 7.7 11.5#





#91

Benzo(a)pyrene

Concen: 0.015 ng/ul

RT: 22.92 min Scan# 3432

Delta R.T. -0.01 min

Lab File: BM026785.D

Acq: 16 Jul 2020 14:02

Instrument :

BNA_M

ClientSampleId :

SBLK83

Tot Ion:252 Resp: 424

Ion Ratio Lower Upper

252 100

253 113.3 17.4 26.0#

125 0.0 7.5 11.3#

