

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071520\
 Data File : BM026768.D
 Acq On : 15 Jul 2020 09:45
 Operator : JU/CG
 Sample : PB130171BL
 Misc : PBBL-SOIL-04
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK71

Quant Time: Jul 15 10:36:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 15 10:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	72664	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	296469	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	180277	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.73	188	383705	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	308490	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	352427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	14793	6.12	ng/uL	0.00
5) Phenol-d5	6.52	99	204005	30.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	148047	32.89	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	157326	30.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	160994	30.25	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	76330	32.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	83876	33.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	148013	30.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	205514	39.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	506796	35.24	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	571546	32.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.23	143	54483	26.25	ng/ul	0.00
58) Fluorene-d10	14.98	176	430039	34.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	60777	25.35	ng/ul	0.00
71) Anthracene-d10	16.83	188	537075	28.42	ng/ul	0.00
79) Pyrene-d10	19.14	212	670281	41.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	632462	33.25	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.94	88	280	0.107	ng/uL# 38
4) Benzaldehyde	6.52	77	493	0.139	ng/ul# 8
8) Bis(2-Chloroethyl)ether	6.84	93	54	0.010	ng/ul# 1
15) N-Nitroso-di-n-propylamine	8.04	70	4889	0.918	ng/ul# 1
20) Nitrobenzene	8.45	77	964	0.130	ng/ul# 45
21) Isophorone	9.17	82	10047	0.808	ng/ul# 73
28) Naphthalene	10.21	128	115	0.007	ng/ul# 1
45) Dimethylphthalate	13.40	163	229	0.015	ng/ul# 1
59) Fluorene	14.97	166	1307	0.086	ng/ul# 12
61) 4-Nitroaniline	14.98	138	296	0.108	ng/ul# 1
64) 4,6-Dinitro-2-methylphenol	15.14	198	132	0.052	ng/ul# 1
65) N-Nitrosodiphenylamine	15.14	169	553	0.043	ng/ul# 8
76) Di-n-butylphthalate	17.74	149	166	0.007	ng/ul# 78
80) Pyrene	19.14	202	960	0.044	ng/ul# 1
81) Butylbenzylphthalate	20.11	149	109	0.014	ng/ul# 17
83) Benzo(a)anthracene	20.95	228	934	0.044	ng/ul# 35
84) Bis(2-ethylhexyl)phthalate	20.91	149	584	0.051	ng/ul# 53
85) Chrysene	20.95	228	934	0.044	ng/ul# 35
87) Di-n-octyl phthalate	21.74	149	341	0.016	ng/ul 100
88) Benzo(b)fluoranthene	22.41	252	102	0.004	ng/ul# 1
89) Benzo(k)fluoranthene	22.44	252	328	0.014	ng/ul# 1
91) Benzo(a)pyrene	22.94	252	187	0.009	ng/ul# 1

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 15 10:09:26 2020
Response via : Initial Calibration

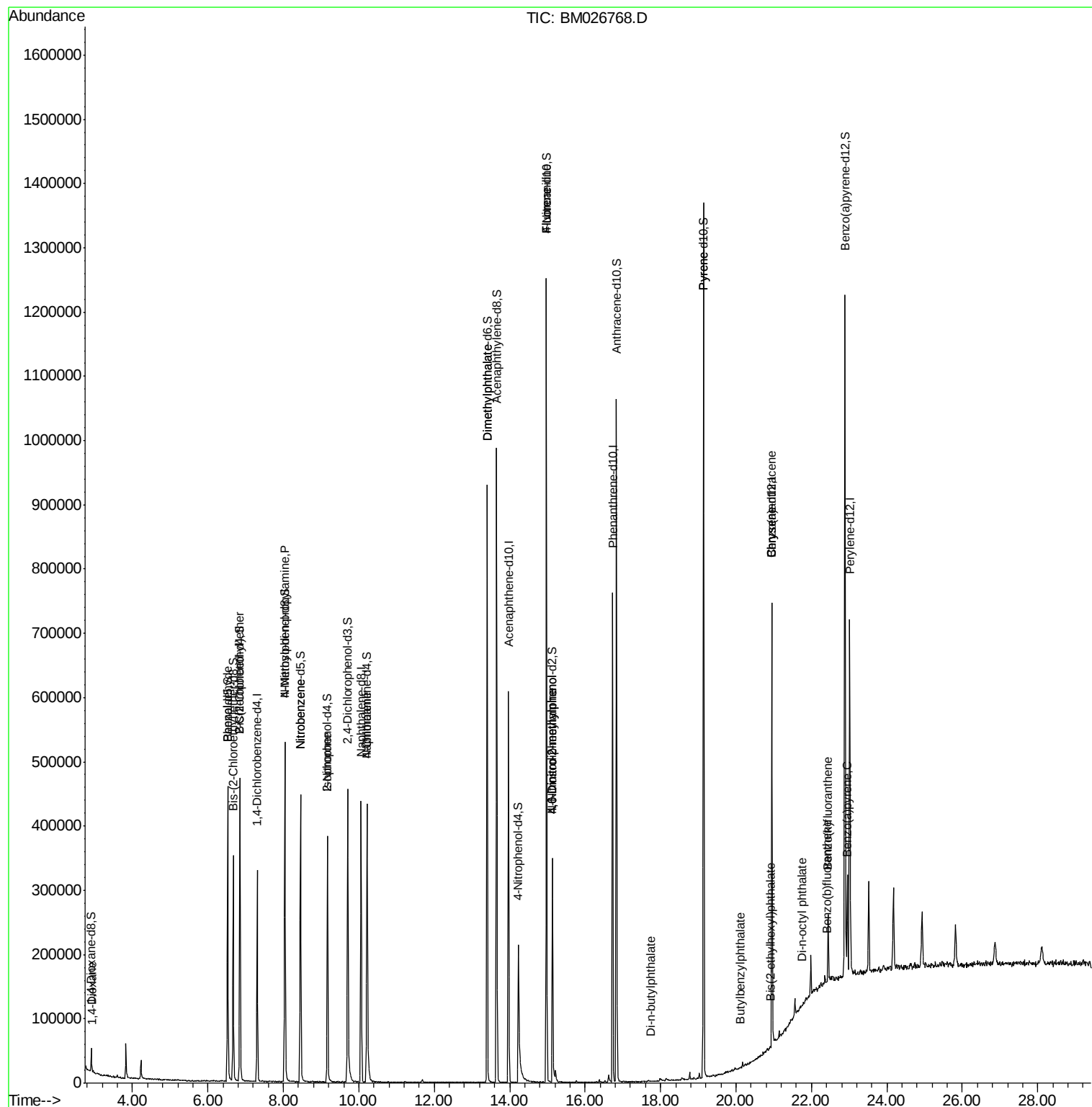
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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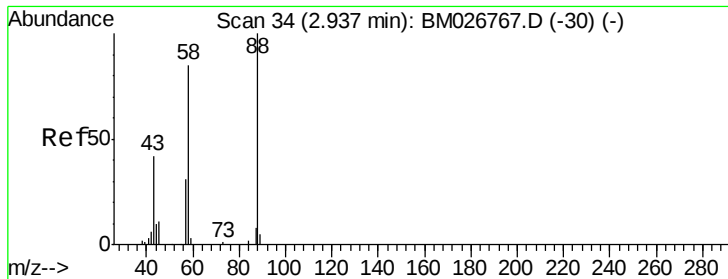
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 15 10:09:26 2020
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#2

1,4-Dioxane

Concen: 0.107 ng/uL

RT: 2.94 min Scan# 34

Delta R.T. -0.00 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Instrument :

BNA_M

ClientSampled :

SBLK71

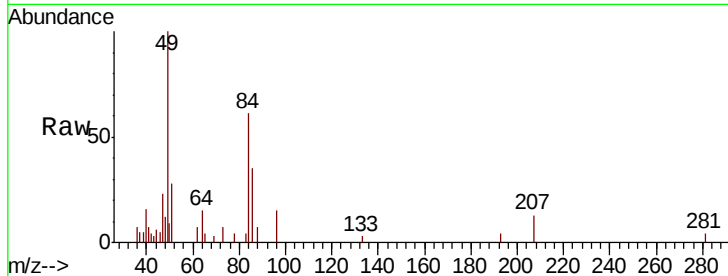
Tot Ion: 88 Resp: 280

Ion Ratio Lower Upper

88 100

43 44.0 38.2 57.2

58 0.0 68.9 103.3#

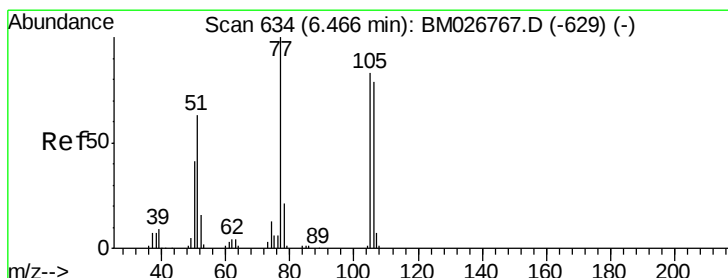
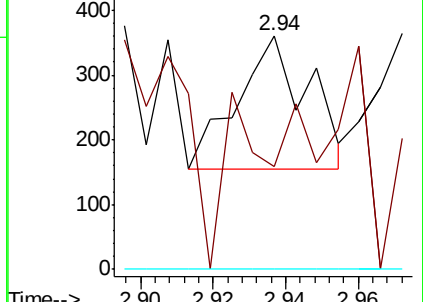
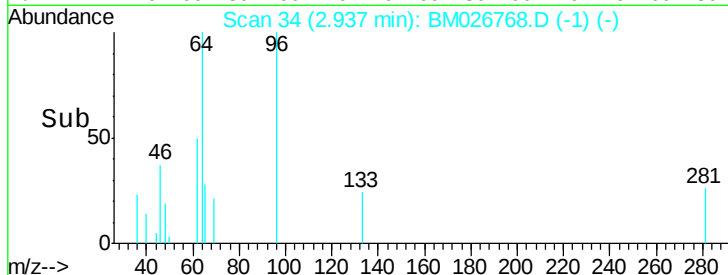


Abundance Ion 88.00 (87.70 to 88.70): BM026768.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM026768.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM026768.D (-1) (-)

Time-->



#4

Benzaldehyde

Concen: 0.139 ng/uL

RT: 6.52 min Scan# 643

Delta R.T. 0.05 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

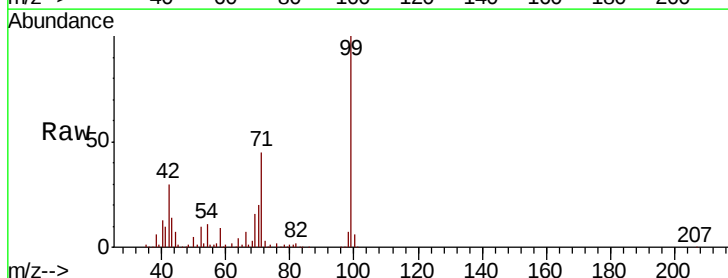
Tgt Ion: 77 Resp: 493

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

106 0.0 66.2 99.4#

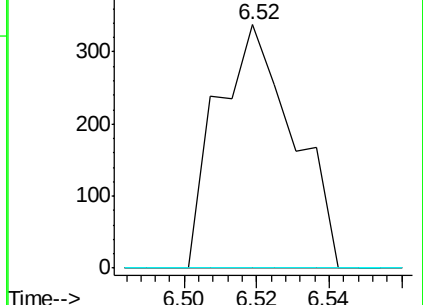
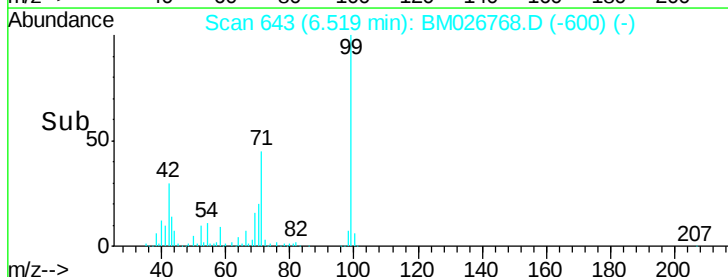


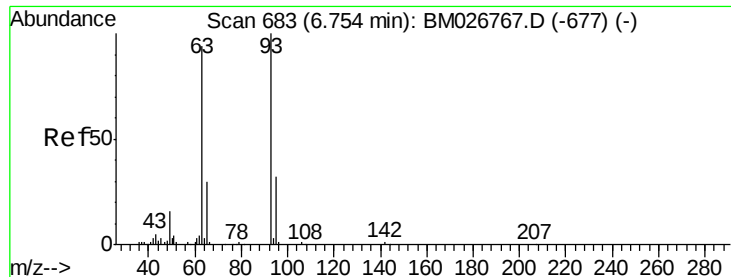
Abundance Ion 77.00 (76.70 to 77.70): BM026768.D (-600) (-)

Ion 105.00 (104.70 to 105.70): BM026768.D (-600) (-)

Ion 106.00 (105.70 to 106.70): BM026768.D (-600) (-)

Time-->



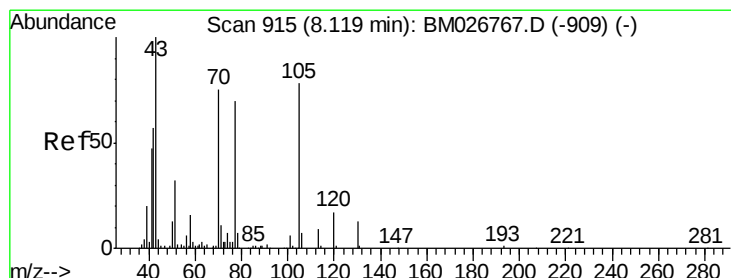
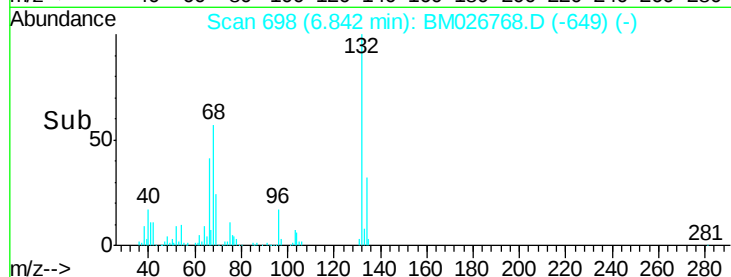
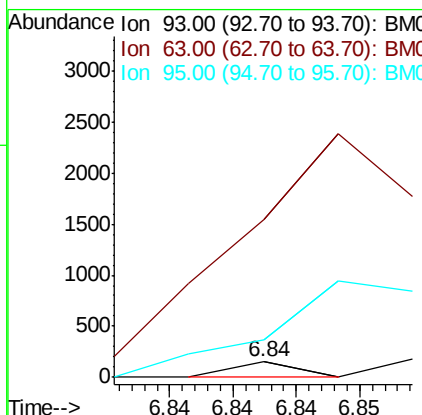
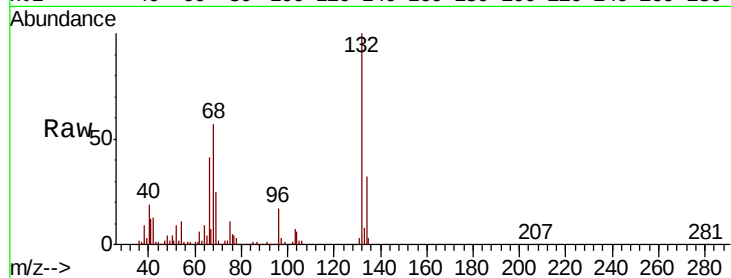


#8

Bis(2-Chloroethyl)ether
 Concen: 0.010 ng/ul
 RT: 6.84 min Scan# 698
 Delta R.T. 0.09 min
 Lab File: BM026768.D
 Acq: 15 Jul 2020 09:45

Instrument :
 BNA_M
 ClientSampleId :
 SBLK71

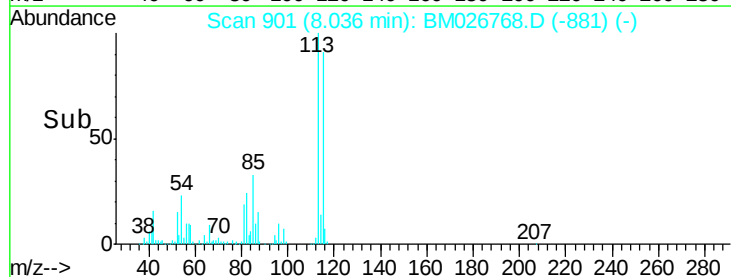
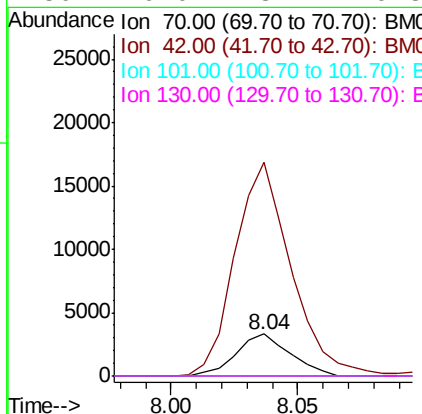
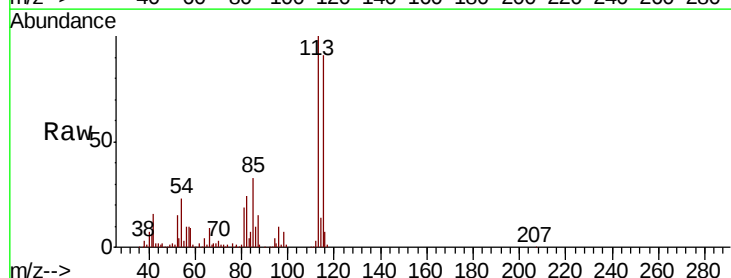
Tot Ion: 93 Resp: 54
 Ion Ratio Lower Upper
 93 100
 63 1007.1 75.5 113.3#
 95 239.6 25.2 37.8#

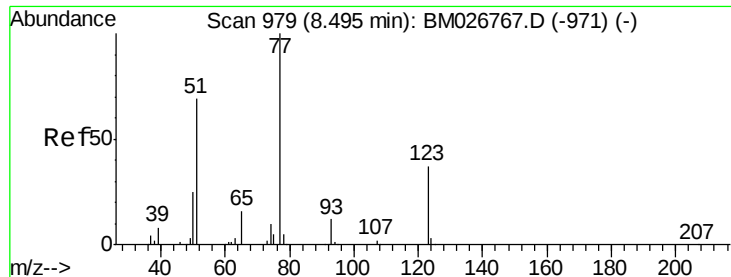


#15

N-Nitroso-di-n-propylamine
 Concen: 0.918 ng/ul
 RT: 8.04 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: BM026768.D
 Acq: 15 Jul 2020 09:45

Tgt Ion: 70 Resp: 4889
 Ion Ratio Lower Upper
 70 100
 42 508.0 58.5 87.7#
 101 0.0 7.0 10.4#
 130 0.0 13.2 19.8#

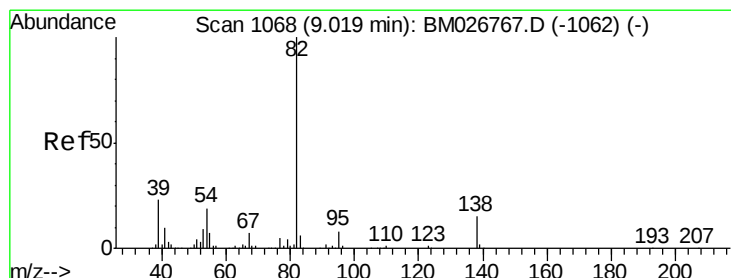
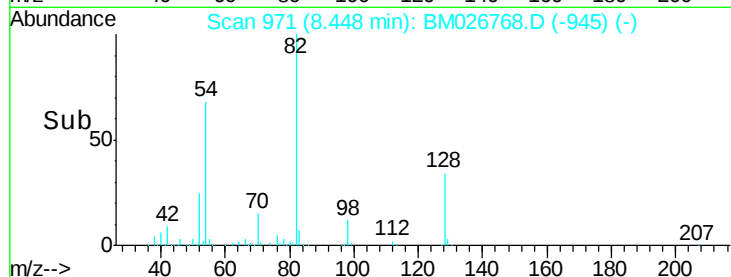
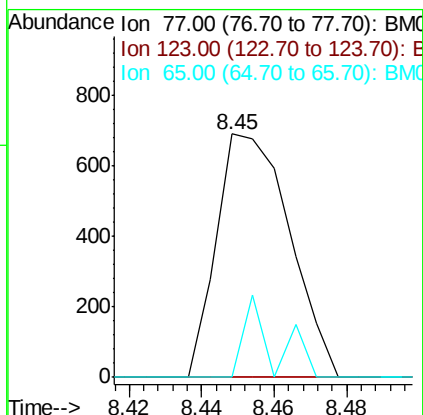
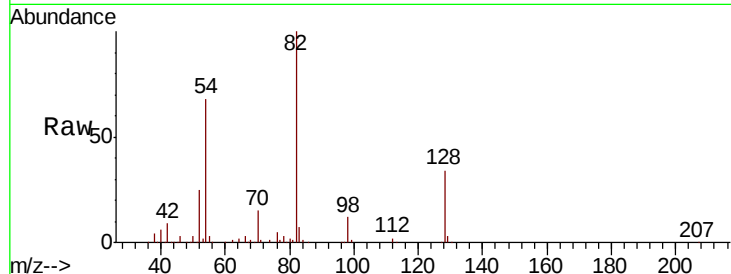




#20
Nitrobenzene
Concen: 0.130 ng/ul
RT: 8.45 min Scan# 971
Delta R.T. -0.05 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

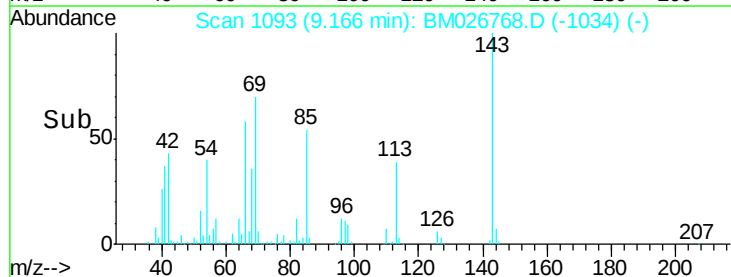
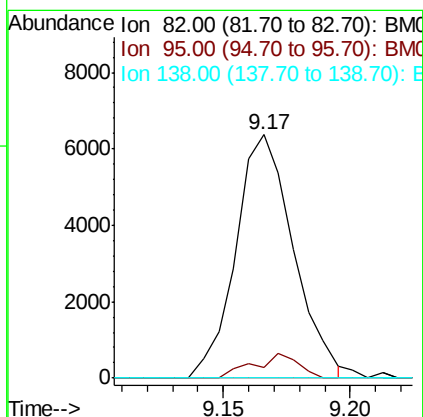
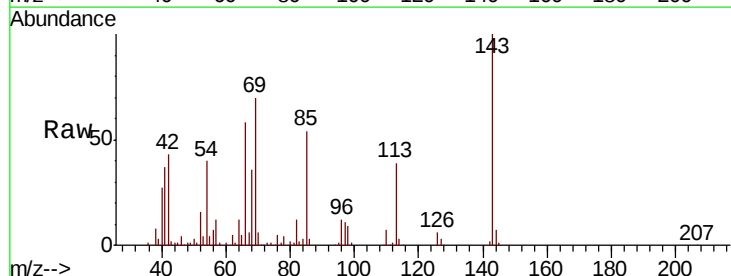
Instrument :
BNA_M
ClientSampleId :
SBLK71

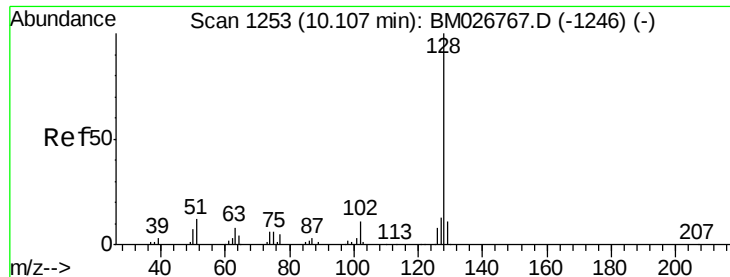
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.8	44.8#
65	0.0	11.8	17.6#



#21
Isophorone
Concen: 0.808 ng/ul
RT: 9.17 min Scan# 1093
Delta R.T. 0.15 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	4.5	6.4	9.6#
138	0.0	12.2	18.4#





#28

Naphthalene

Concen: 0.007 ng/ul

RT: 10.21 min Scan# 1271

Delta R.T. 0.11 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Instrument :

BNA_M

ClientSampleId :

SBLK71

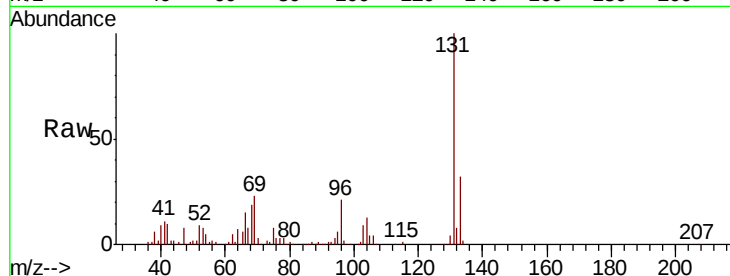
Tot Ion:128 Resp: 115

Ion Ratio Lower Upper

128 100

129 232.3 8.5 12.7#

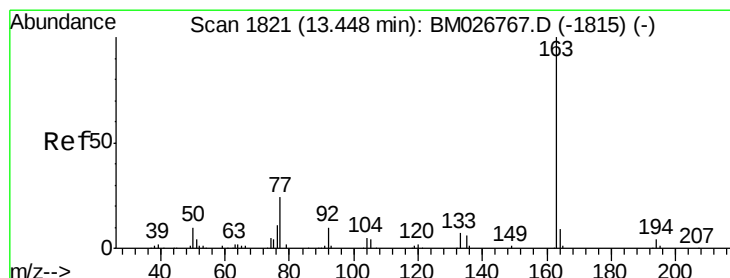
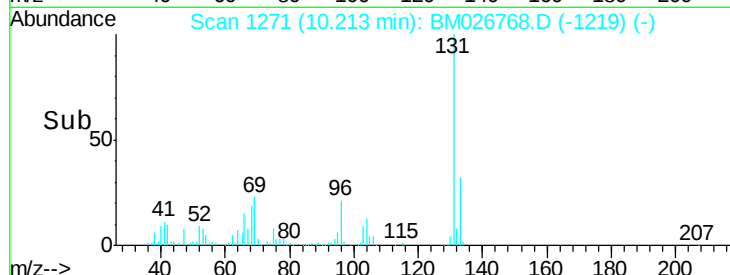
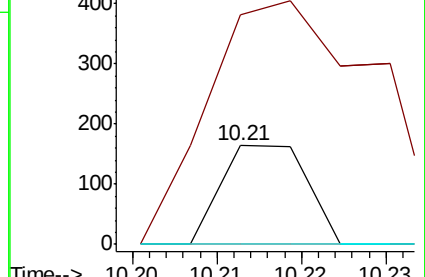
127 0.0 10.6 15.8#



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



#45

Dimethylphthalate

Concen: 0.015 ng/ul

RT: 13.40 min Scan# 1813

Delta R.T. -0.05 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

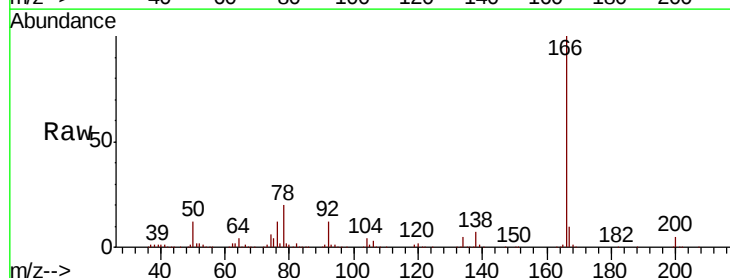
Tgt Ion:163 Resp: 229

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

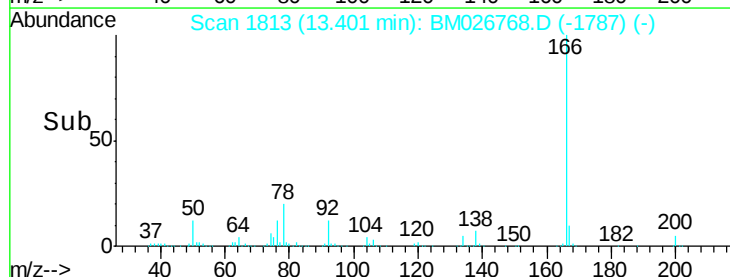
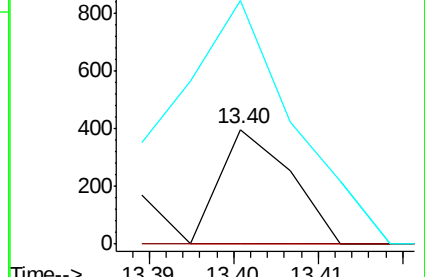
164 212.9 7.8 11.6#

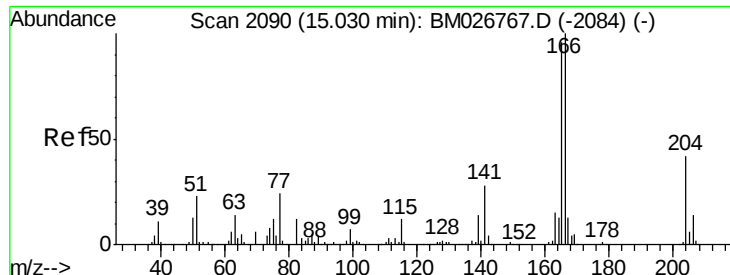


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#59

Fluorene

Concen: 0.086 ng/ul

RT: 14.97 min Scan# 2080

Delta R.T. -0.06 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

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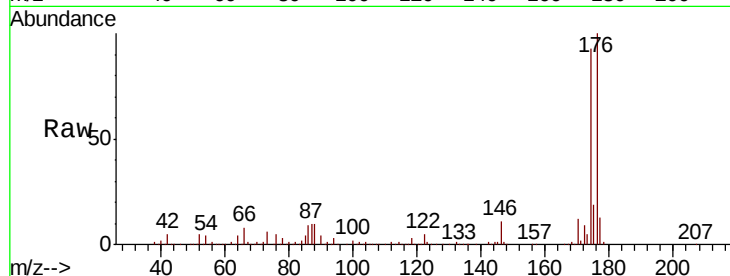
Tot Ion:166 Resp: 1307

Ion Ratio Lower Upper

166 100

165 0.0 77.0 115.4#

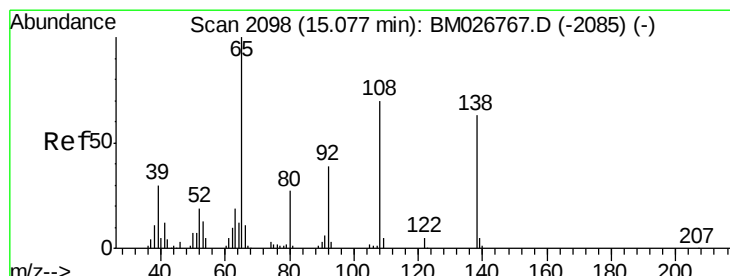
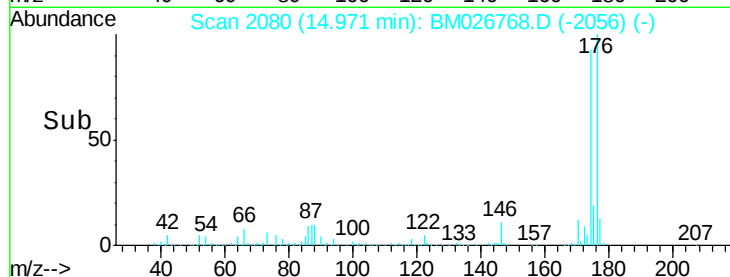
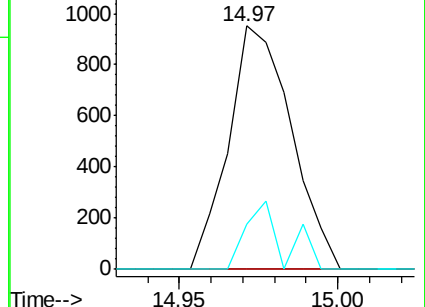
167 18.3 10.7 16.1#



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: 0.108 ng/ul

RT: 14.98 min Scan# 2081

Delta R.T. -0.10 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

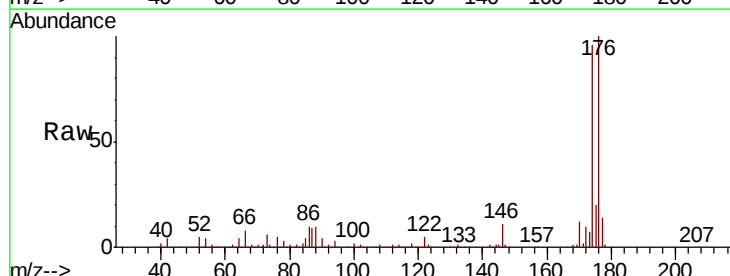
Tgt Ion:138 Resp: 296

Ion Ratio Lower Upper

138 100

92 1035.8 47.7 71.5#

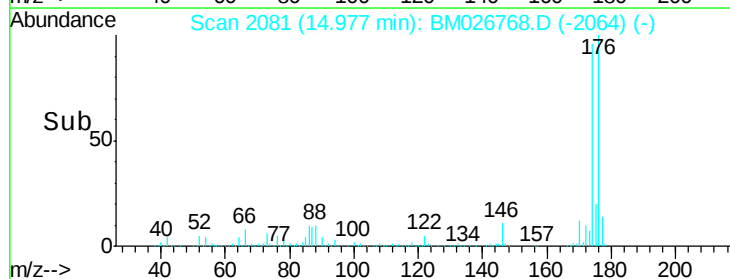
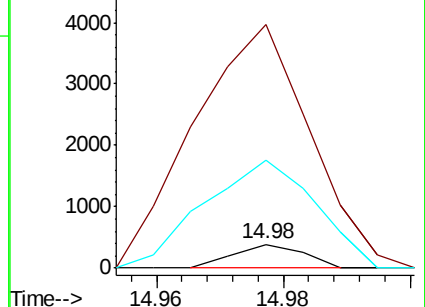
108 461.4 82.6 123.8#

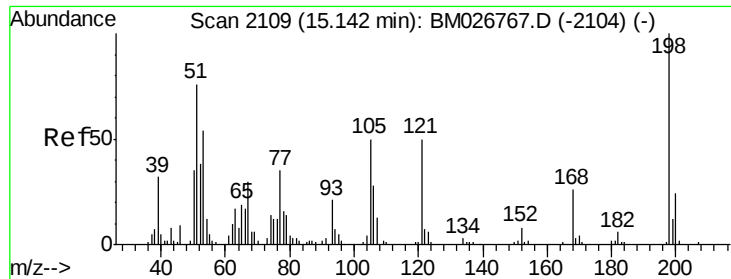


Abundance Ion 138.00 (137.70 to 138.70): E

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: 0.052 ng/ul

RT: 15.14 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Instrument :

BNA_M

ClientSampled :

SBLK71

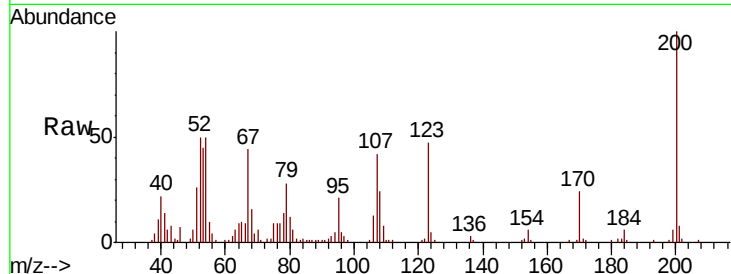
Tot Ion:198 Resp: 132

Ion Ratio Lower Upper

198 100

182 271.8 4.0 6.0#

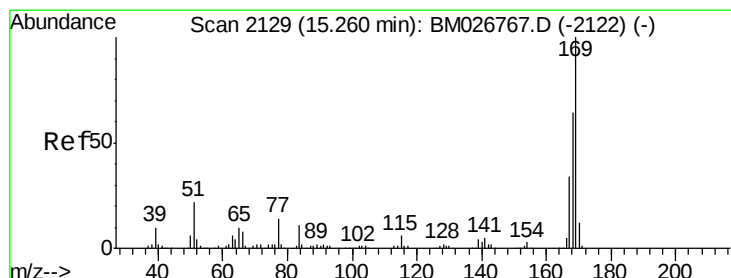
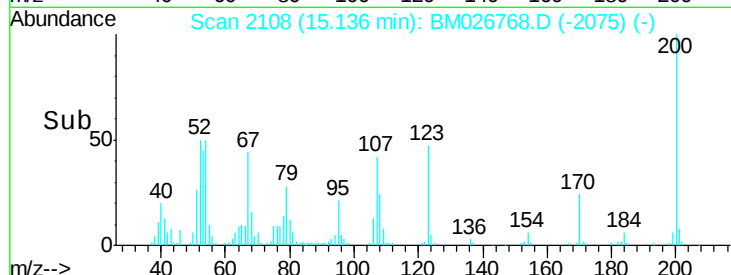
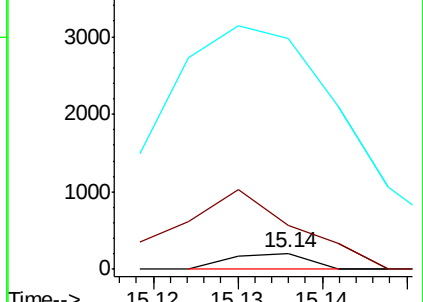
77 1444.2 26.7 40.1#



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): BM



#65

N-Nitrosodiphenylamine

Concen: 0.043 ng/ul

RT: 15.14 min Scan# 2108

Delta R.T. -0.12 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

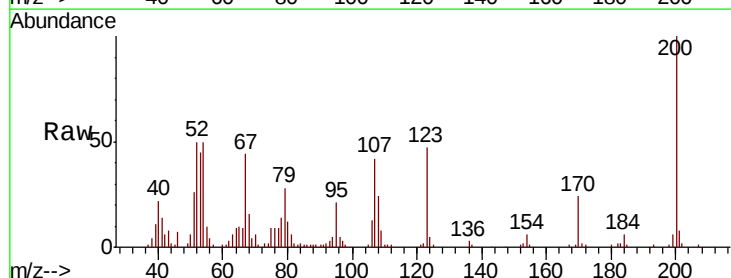
Tgt Ion:169 Resp: 553

Ion Ratio Lower Upper

169 100

168 0.0 51.7 77.5#

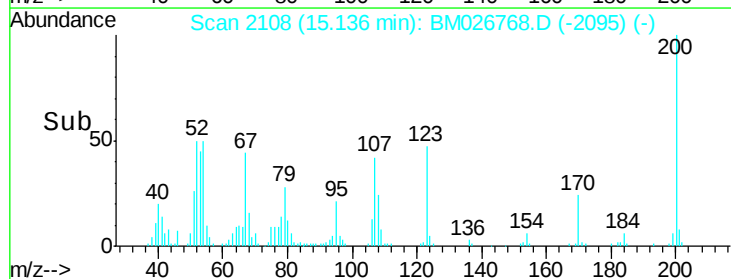
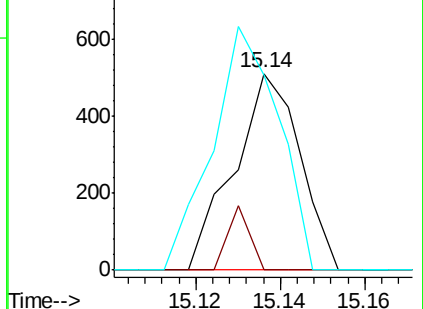
167 99.0 28.4 42.6#

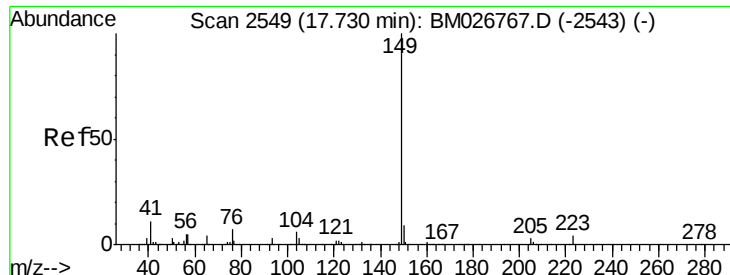


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

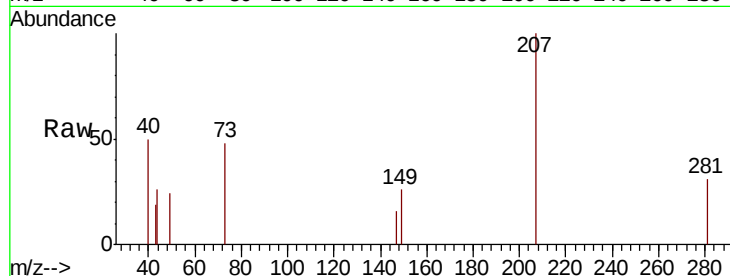




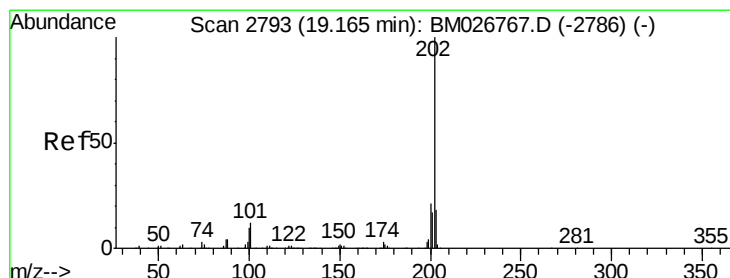
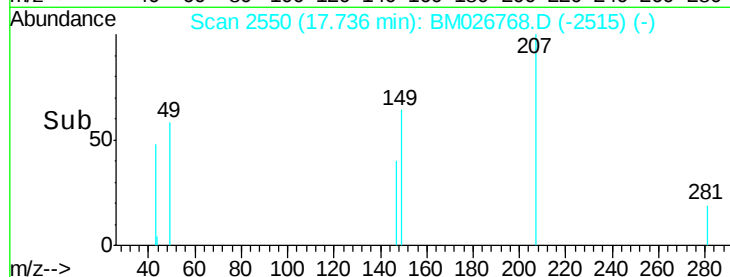
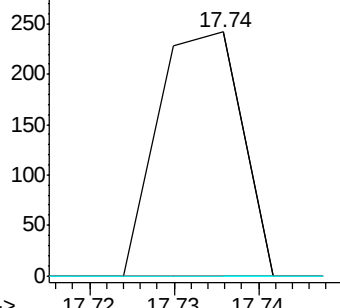
#76
Di-n-butylphthalate
Concen: 0.007 ng/ul
RT: 17.74 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Instrument :
BNA_M
ClientSampled :
SBLK71

Tot Ion:149 Resp: 166
Ion Ratio Lower Upper
149 100
150 0.0 7.1 10.7#
104 0.0 5.2 7.8#

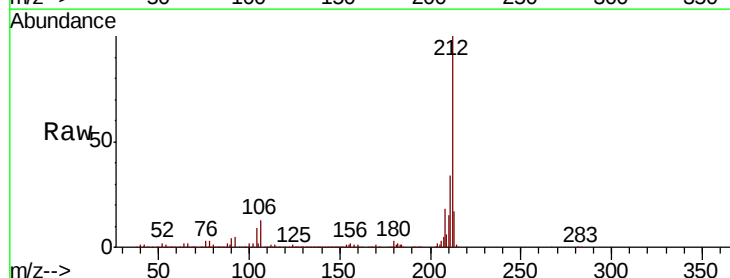


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

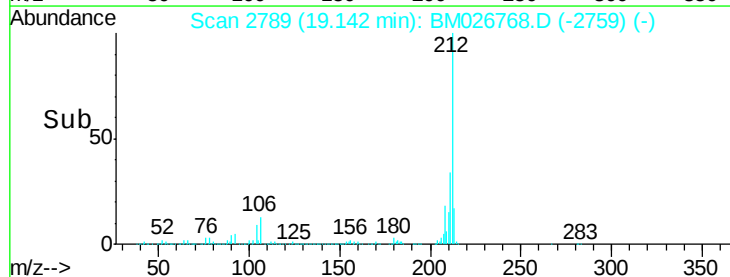
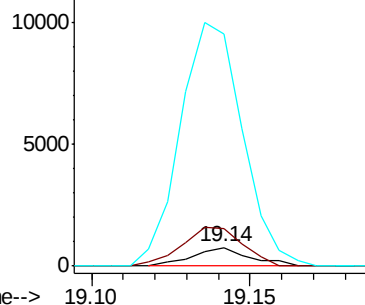


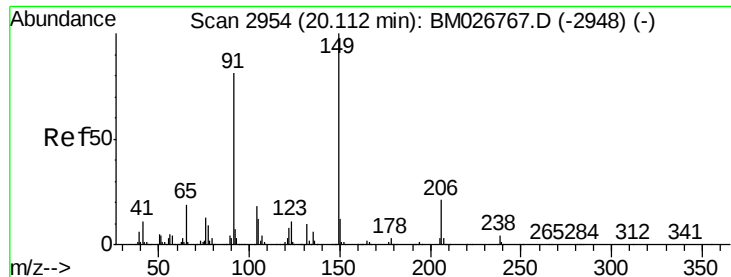
#80
Pyrene
Concen: 0.044 ng/ul
RT: 19.14 min Scan# 2789
Delta R.T. -0.02 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Tgt Ion:202 Resp: 960
Ion Ratio Lower Upper
202 100
101 207.7 9.4 14.2#
100 1270.0 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

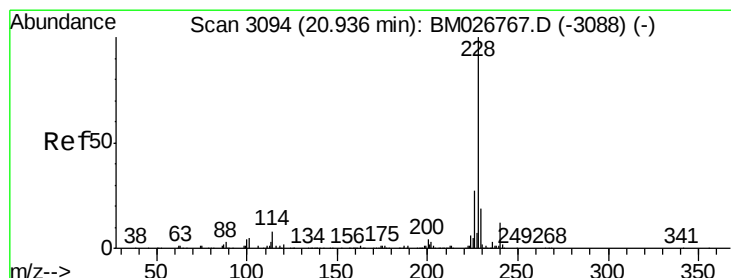
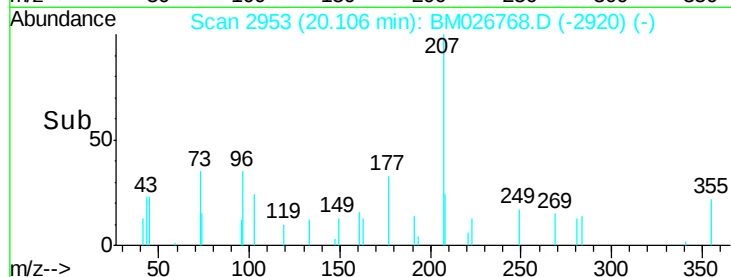
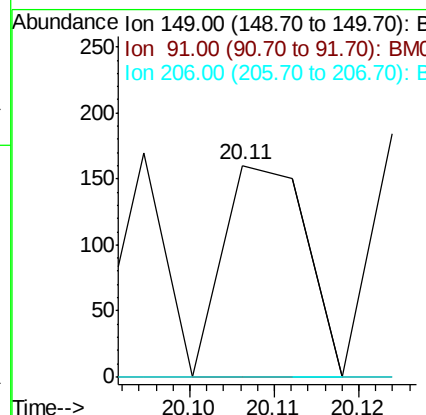
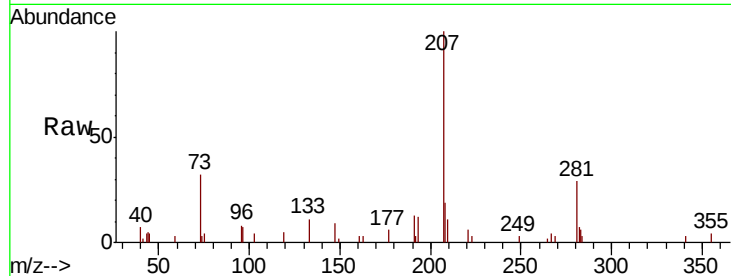




#81
Butylbenzylphthalate
Concen: 0.014 ng/ul
RT: 20.11 min Scan# 2953
Delta R.T. -0.01 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

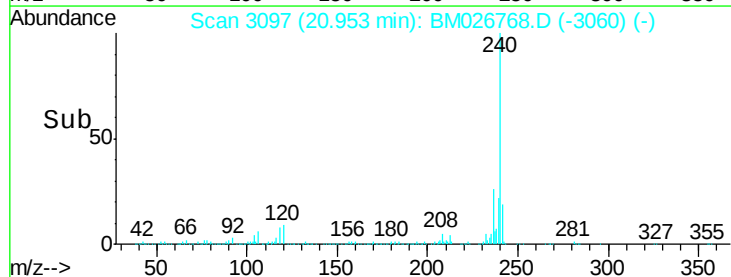
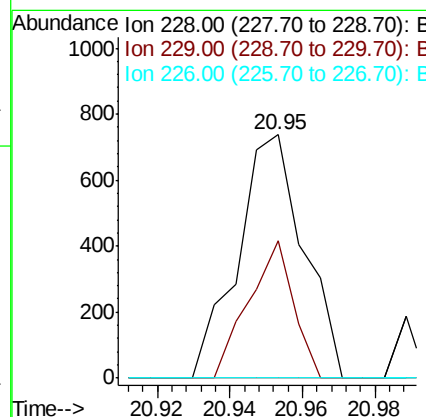
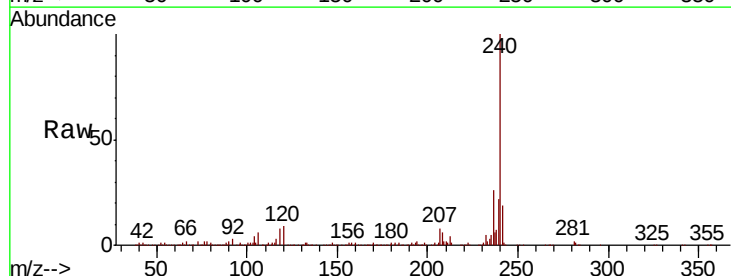
Instrument :
BNA_M
ClientSampleId :
SBLK71

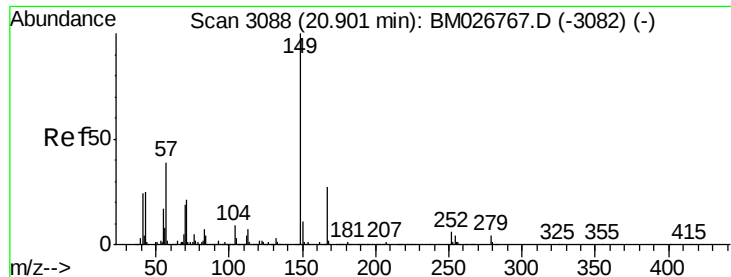
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	66.4	99.6#
206	0.0	16.3	24.5#



#83
Benzo(a)anthracene
Concen: 0.044 ng/ul
RT: 20.95 min Scan# 3097
Delta R.T. 0.02 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	56.5	15.4	23.0#
226	0.0	21.2	31.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.051 ng/ul

RT: 20.91 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Instrument :

BNA_M

ClientSampleId :

SBLK71

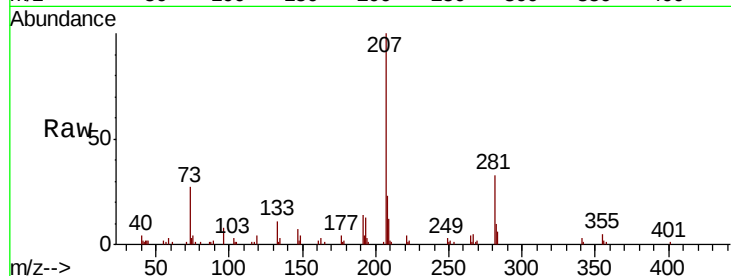
Tot Ion:149 Resp: 584

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

20.91

600

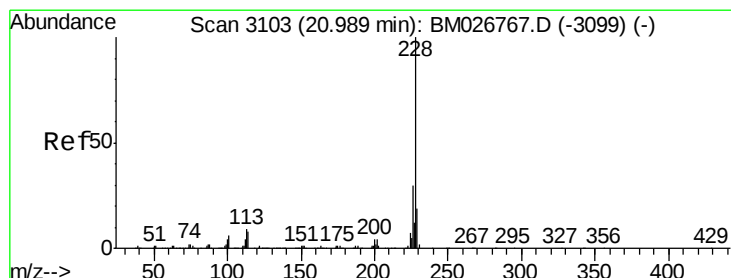
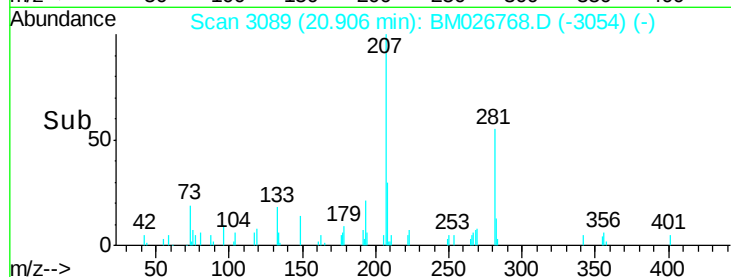
400

200

0

20.88 20.90 20.92

Time-->



#85

Chrysene

Concen: 0.044 ng/ul

RT: 20.95 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

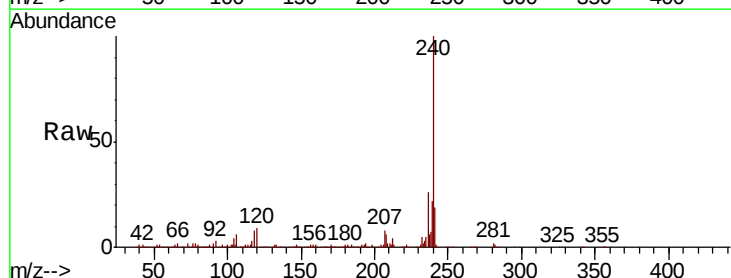
Tgt Ion:228 Resp: 934

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

229 56.5 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

20.95

1000

800

600

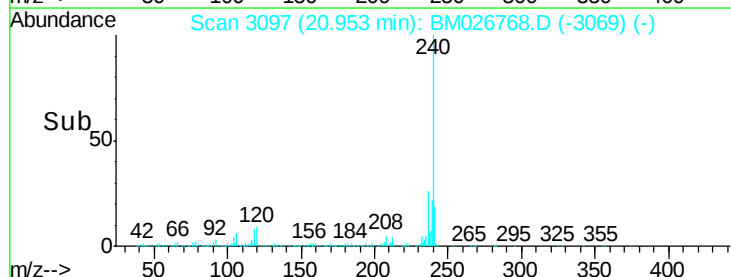
400

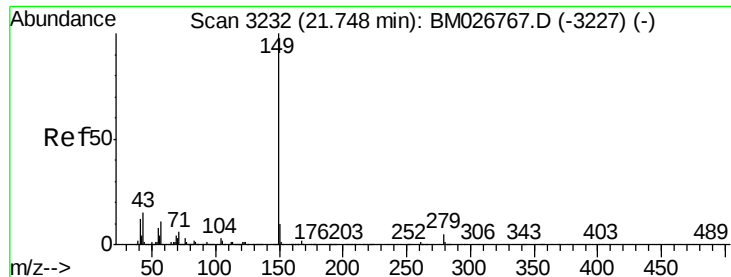
200

0

20.92 20.94 20.96 20.98

Time-->

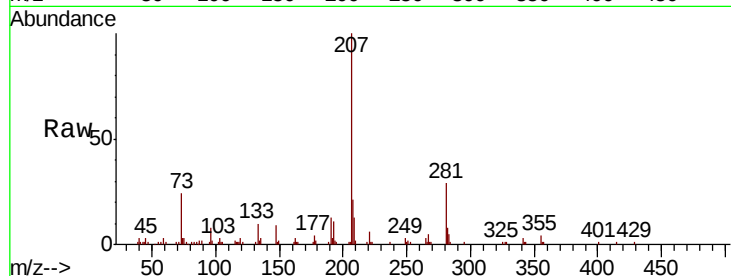




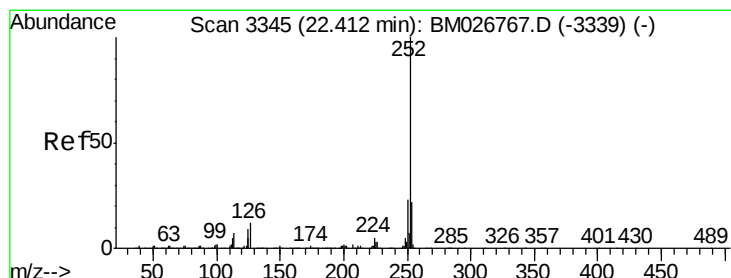
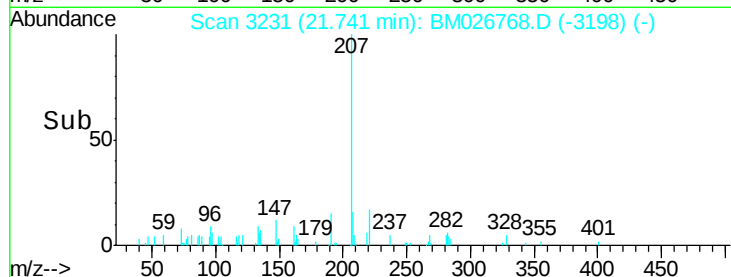
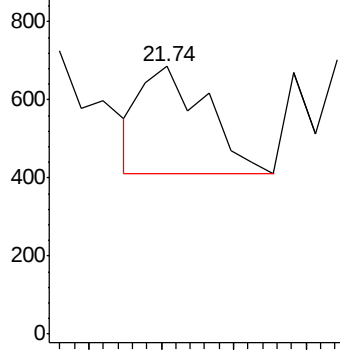
#87
Di-n-octyl phthalate
Concen: 0.016 ng/ul
RT: 21.74 min Scan# 3231
Delta R.T. -0.01 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Instrument :
BNA_M
ClientSampleId :
SBLK71

Tgt Ion:149 Resp: 341

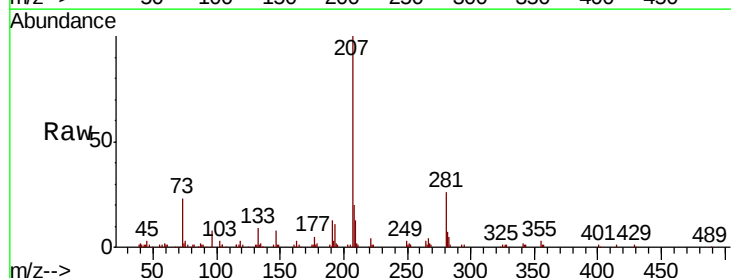


Abundance Ion 149.00 (148.70 to 149.70): E

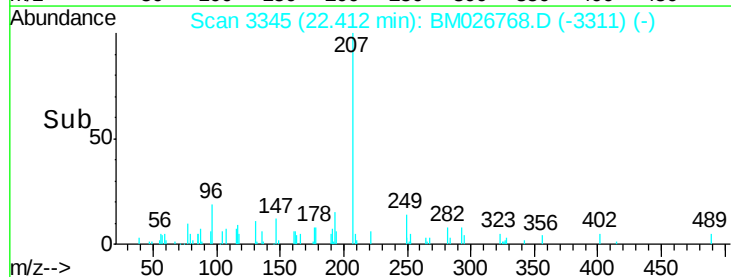
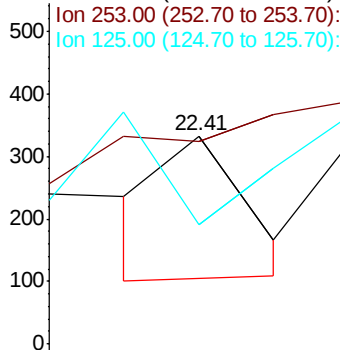


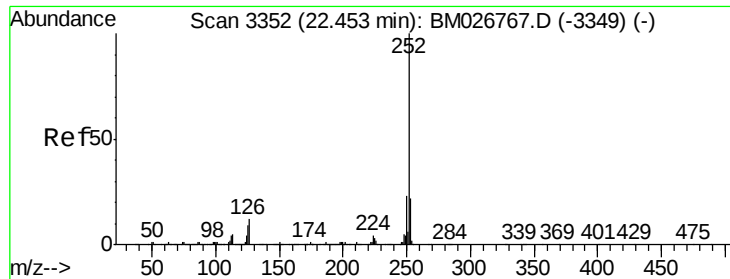
#88
Benzo(b)fluoranthene
Concen: 0.004 ng/ul
RT: 22.41 min Scan# 3345
Delta R.T. -0.00 min
Lab File: BM026768.D
Acq: 15 Jul 2020 09:45

Tgt Ion:252 Resp: 102
Ion Ratio Lower Upper
252 100
253 97.3 17.2 25.8#
125 57.1 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 0.014 ng/ul

RT: 22.44 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Instrument :

BNA_M

ClientSampleId :

SBLK71

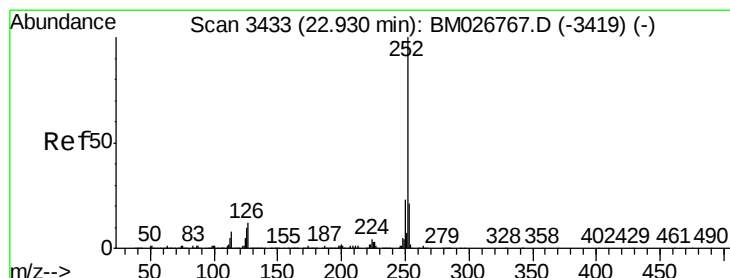
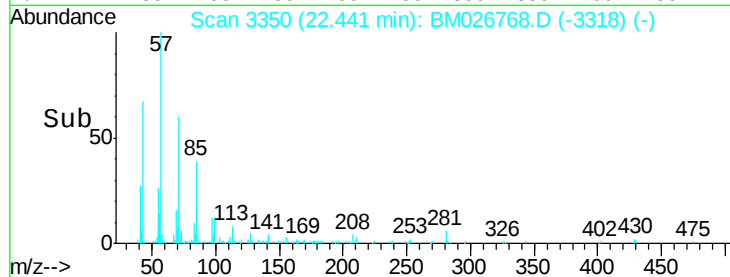
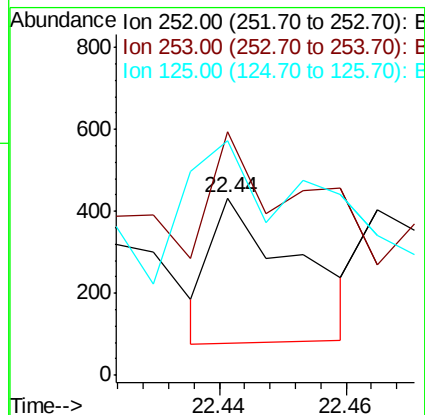
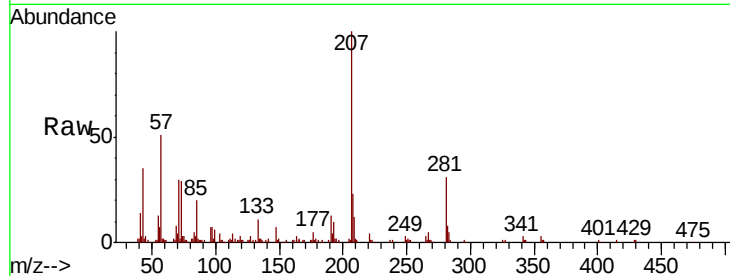
Tot Ion:252 Resp: 328

Ion Ratio Lower Upper

252 100

253 137.2 17.1 25.7#

125 132.3 7.7 11.5#



#91

Benzo(a)pyrene

Concen: 0.009 ng/ul

RT: 22.94 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BM026768.D

Acq: 15 Jul 2020 09:45

Tgt Ion:252 Resp: 187

Ion Ratio Lower Upper

252 100

253 79.5 17.4 26.0#

125 77.9 7.5 11.3#

