

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071520\
 Data File : BM026770.D
 Acq On : 15 Jul 2020 10:57
 Operator : JU/CG
 Sample : PB130171BL
 Misc : PBBL-SOIL-05
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK71

Quant Time: Jul 15 11:41:23 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	66376	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	263516	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	155648	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.73	188	330542	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	295492	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	351968	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	15036	6.81	ng/uL	0.00
5) Phenol-d5	6.52	99	181090	29.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	135944	33.07	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	144204	30.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	144850	29.79	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	67380	32.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	73409	33.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	129339	29.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	181252	39.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	431473	34.75	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	491796	32.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.23	143	42366	23.64	ng/ul	0.00
58) Fluorene-d10	14.98	176	366152	33.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	51308	24.84	ng/ul	0.00
71) Anthracene-d10	16.83	188	457018	28.08	ng/ul	0.00
79) Pyrene-d10	19.14	212	593979	38.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	640716	33.73	ng/ul	0.00

Target Compounds

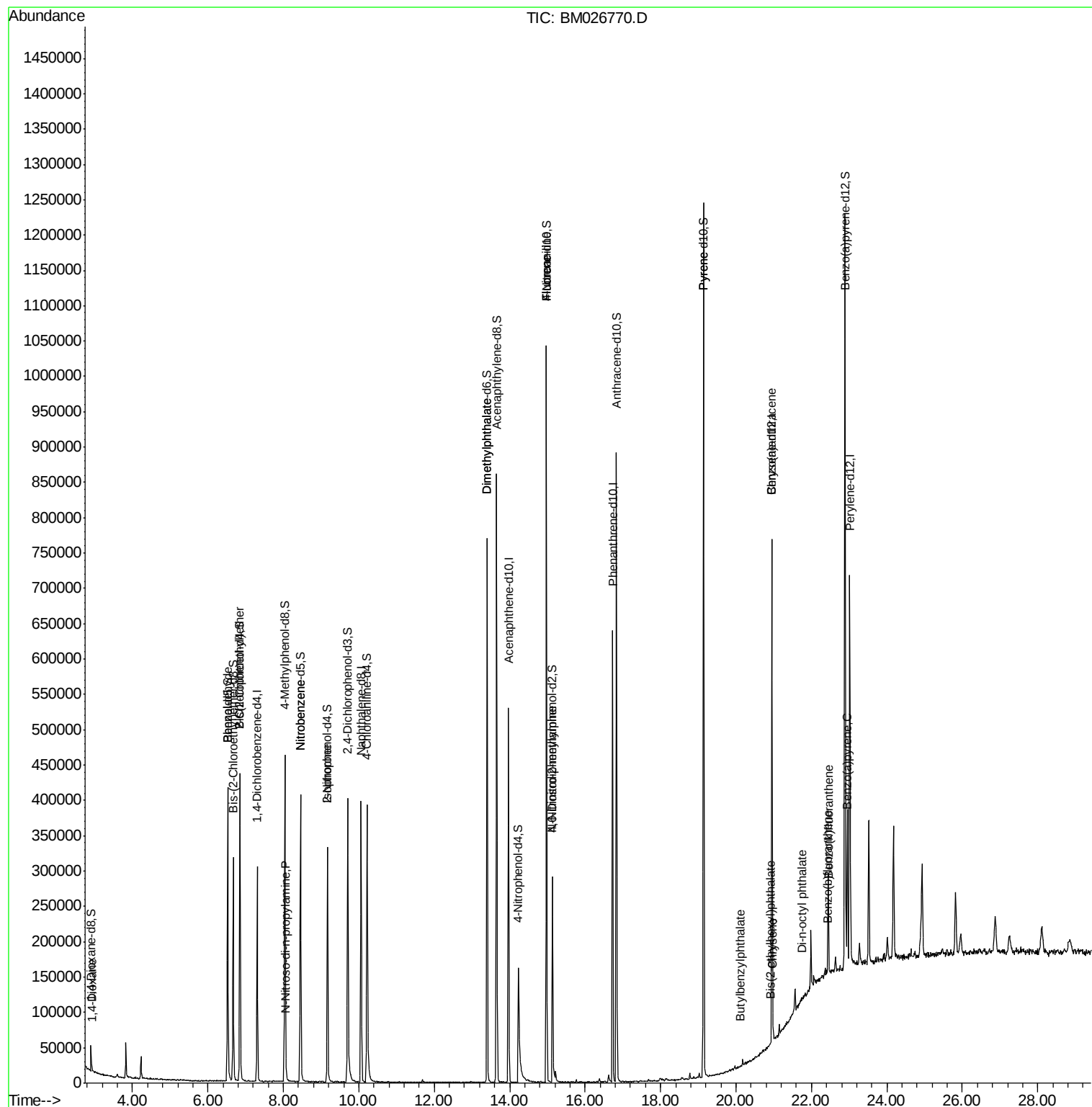
				Ovalue	
2) 1,4-Dioxane	2.93	88	127	0.053	ng/uL# 31
4) Benzaldehyde	6.52	77	486	0.151	ng/ul# 8
8) Bis(2-Chloroethyl)ether	6.84	93	70	0.014	ng/ul# 1
15) N-Nitroso-di-n-propylamine	8.07	70	59	0.012	ng/ul# 1
20) Nitrobenzene	8.45	77	739	0.112	ng/ul# 40
21) Isophorone	9.17	82	9447	0.855	ng/ul# 75
45) Dimethylphthalate	13.40	163	179	0.014	ng/ul# 1
59) Fluorene	14.97	166	1065	0.081	ng/ul# 10
61) 4-Nitroaniline	14.98	138	154	0.065	ng/ul# 1
65) N-Nitrosodiphenylamine	15.14	169	520	0.047	ng/ul# 16
80) Pyrene	19.14	202	763	0.036	ng/ul# 1
81) Butylbenzylphthalate	20.12	149	109	0.015	ng/ul# 72
83) Benzo(a)anthracene	20.96	228	990	0.049	ng/ul# 57
84) Bis(2-ethylhexyl)phthalate	20.91	149	586	0.053	ng/ul# 79
85) Chrysene	20.98	228	69	0.003	ng/ul# 50
87) Di-n-octyl phthalate	21.75	149	88	0.004	ng/ul 100
88) Benzo(b)fluoranthene	22.42	252	407	0.017	ng/ul# 1
89) Benzo(k)fluoranthene	22.46	252	575	0.024	ng/ul# 1
91) Benzo(a)pyrene	22.94	252	426	0.020	ng/ul# 1

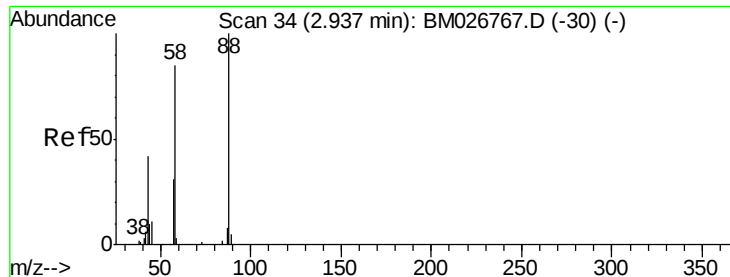
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.053 ng/uL

RT: 2.93 min Scan# 33

Delta R.T. -0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampled :

SBLK71

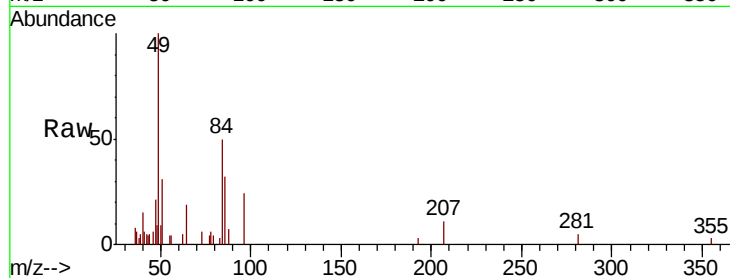
Tot Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 64.3 38.2 57.2#

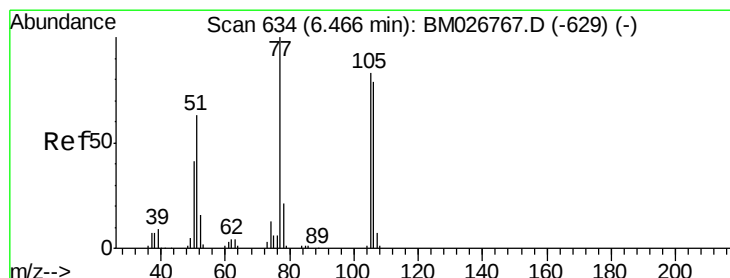
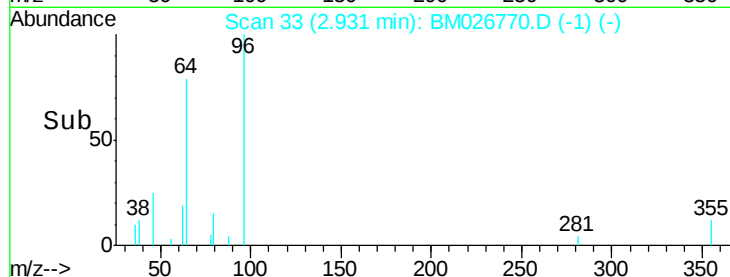
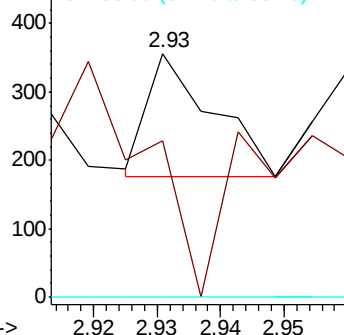
58 0.0 68.9 103.3#



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



#4

Benzaldehyde

Concen: 0.151 ng/uL

RT: 6.52 min Scan# 644

Delta R.T. 0.06 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

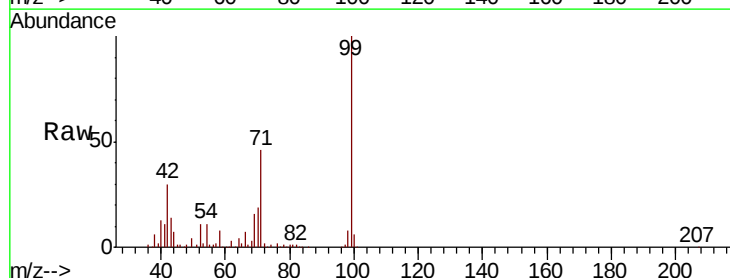
Tgt Ion: 77 Resp: 486

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

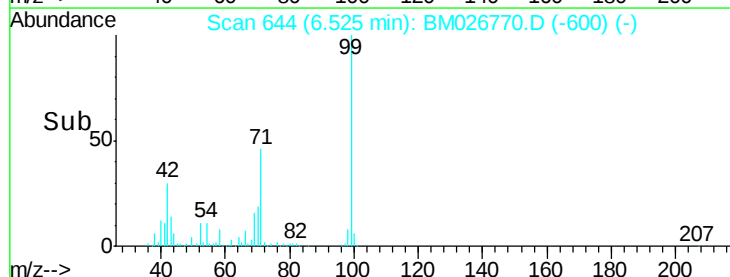
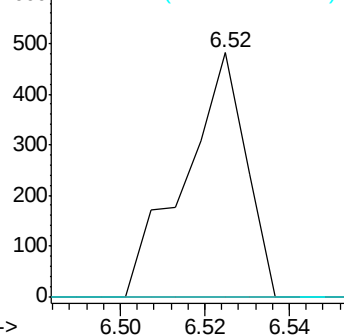
106 0.0 66.2 99.4#

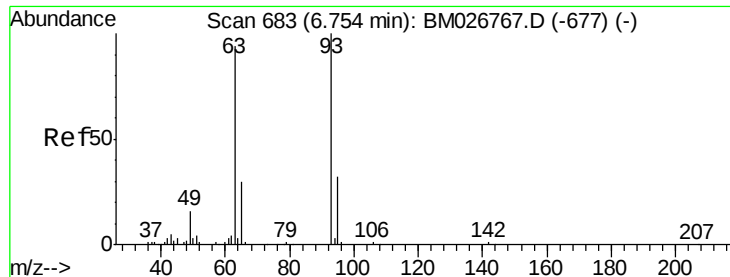


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#8

Bis(2-Chloroethyl)ether

Concen: 0.014 ng/ul

RT: 6.84 min Scan# 698

Delta R.T. 0.09 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampleId :

SBLK71

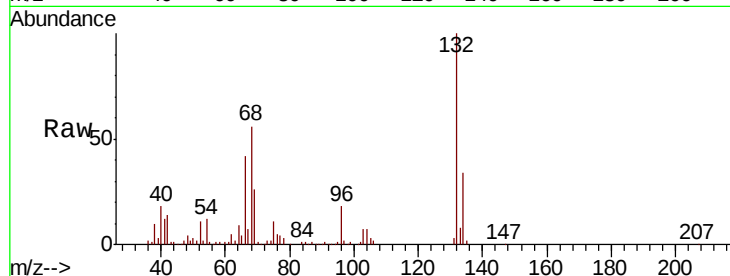
Tot Ion: 93 Resp: 70

Ion Ratio Lower Upper

93 100

63 880.2 75.5 113.3#

95 202.5 25.2 37.8#

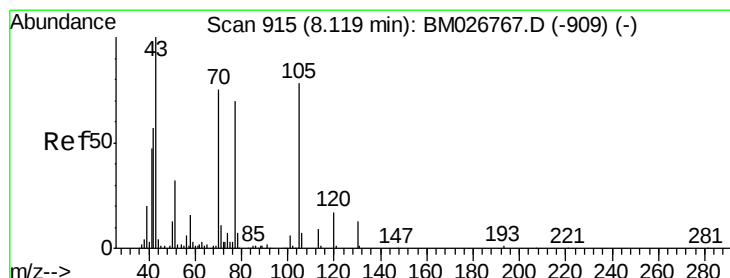
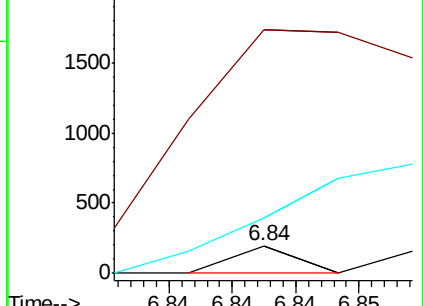
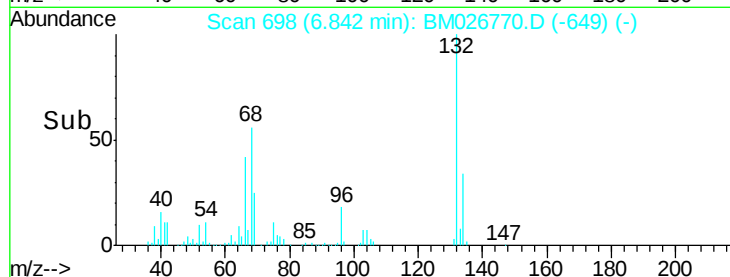


Abundance Ion 93.00 (92.70 to 93.70): BM026770.D (-649) (-)

Ion 63.00 (62.70 to 63.70): BM026770.D (-649) (-)

Ion 95.00 (94.70 to 95.70): BM026770.D (-649) (-)

Time-->



#15

N-Nitroso-di-n-propylamine

Concen: 0.012 ng/ul

RT: 8.07 min Scan# 907

Delta R.T. -0.05 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Tgt Ion: 70 Resp: 59

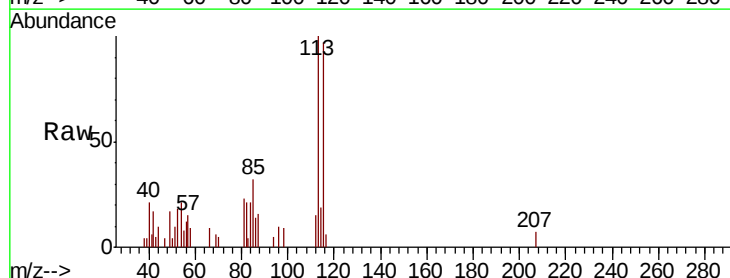
Ion Ratio Lower Upper

70 100

42 371.9 58.5 87.7#

101 0.0 7.0 10.4#

130 0.0 13.2 19.8#



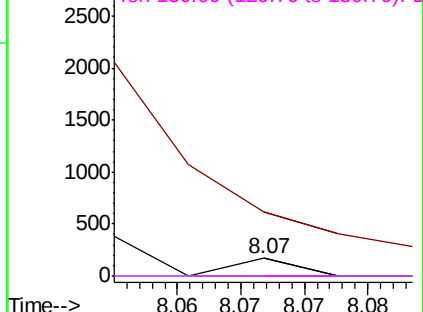
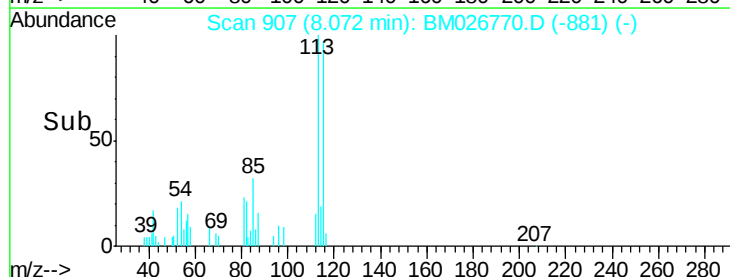
Abundance Ion 70.00 (69.70 to 70.70): BM026770.D (-881) (-)

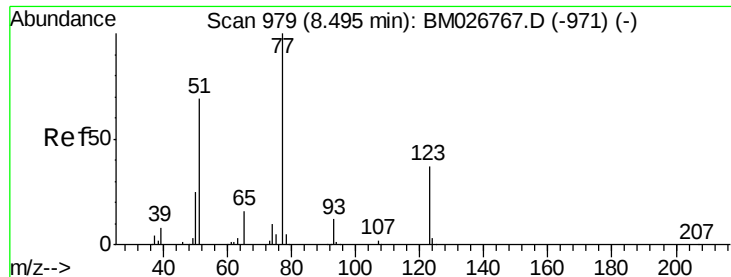
Ion 42.00 (41.70 to 42.70): BM026770.D (-881) (-)

Ion 101.00 (100.70 to 101.70): BM026770.D (-881) (-)

Ion 130.00 (129.70 to 130.70): BM026770.D (-881) (-)

Time-->

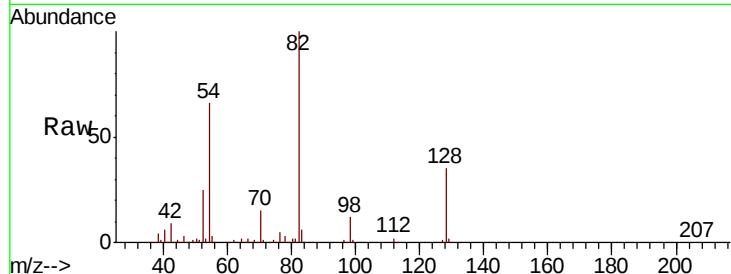




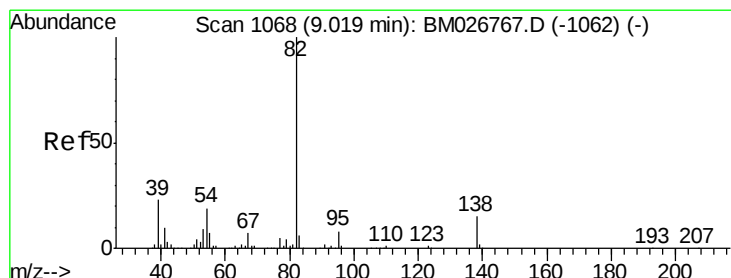
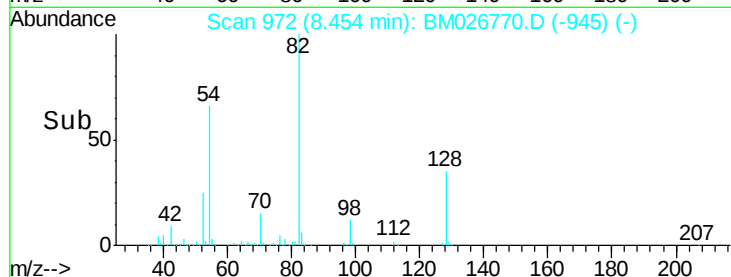
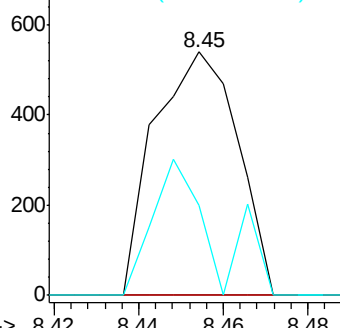
#20
Nitrobenzene
Concen: 0.112 ng/ul
RT: 8.45 min Scan# 972
Delta R.T. -0.04 min
Lab File: BM026770.D
Acq: 15 Jul 2020 10:57

Instrument :
BNA_M
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SBLK71

Tot Ion: 77 Resp: 739
Ion Ratio Lower Upper
77 100
123 0.0 29.8 44.8#
65 37.0 11.8 17.6#

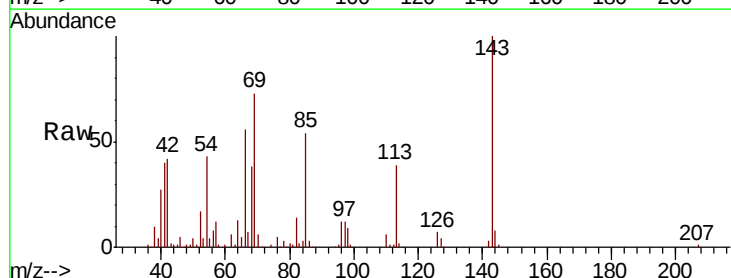


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0

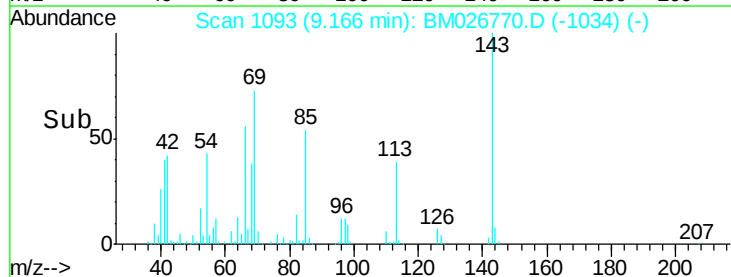
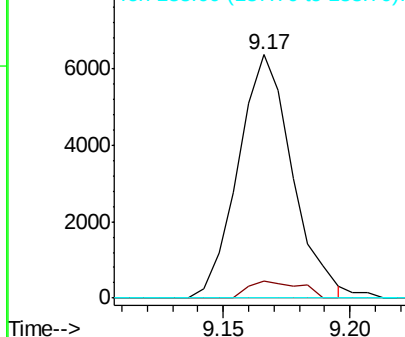


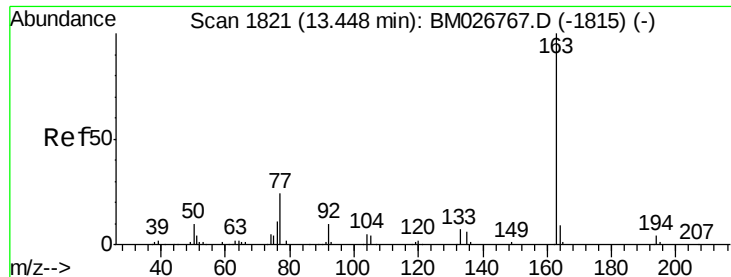
#21
Isophorone
Concen: 0.855 ng/ul
RT: 9.17 min Scan# 1093
Delta R.T. 0.15 min
Lab File: BM026770.D
Acq: 15 Jul 2020 10:57

Tgt Ion: 82 Resp: 9447
Ion Ratio Lower Upper
82 100
95 7.0 6.4 9.6
138 0.0 12.2 18.4#



Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 138.00 (137.70 to 138.70): E





#45

Dimethylphthalate

Concen: 0.014 ng/ul

RT: 13.40 min Scan# 1813

Delta R.T. -0.05 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampleId :

SBLK71

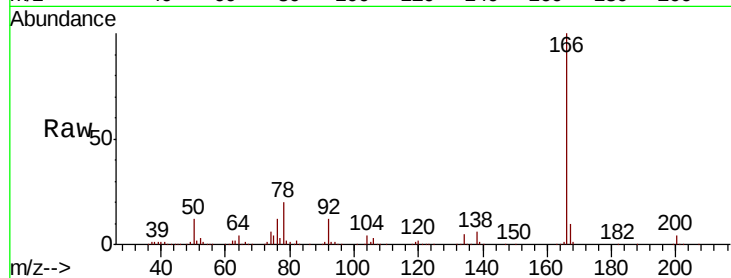
Tot Ion:163 Resp: 179

Ion Ratio Lower Upper

163 100

194 0.0 3.5 5.3#

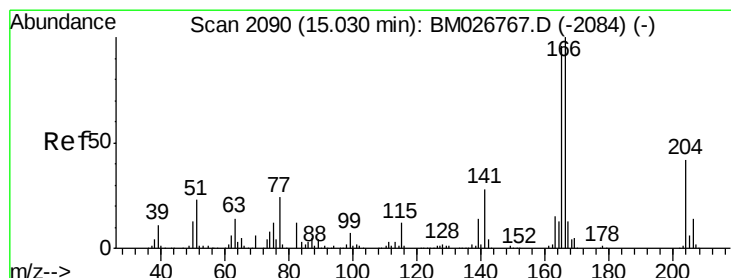
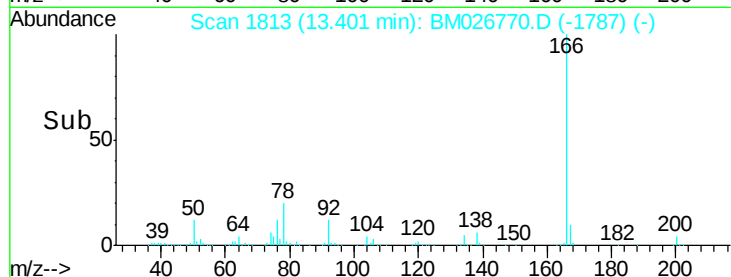
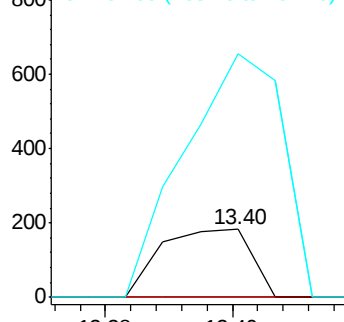
164 357.9 7.8 11.6#



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: 0.081 ng/ul

RT: 14.97 min Scan# 2080

Delta R.T. -0.06 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

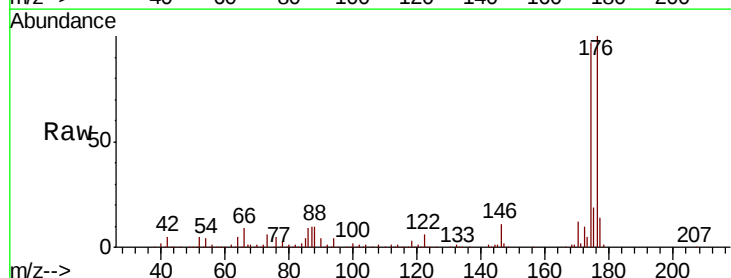
Tgt Ion:166 Resp: 1065

Ion Ratio Lower Upper

166 100

165 0.0 77.0 115.4#

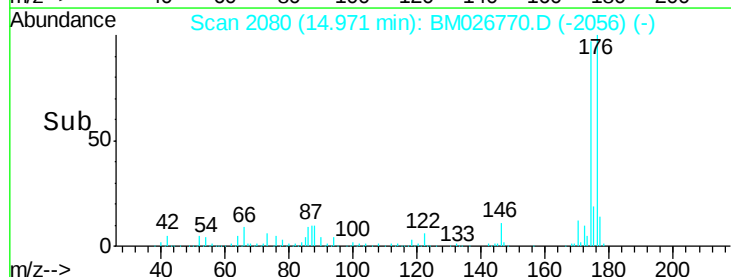
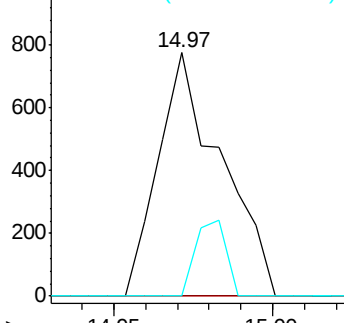
167 0.0 10.7 16.1#

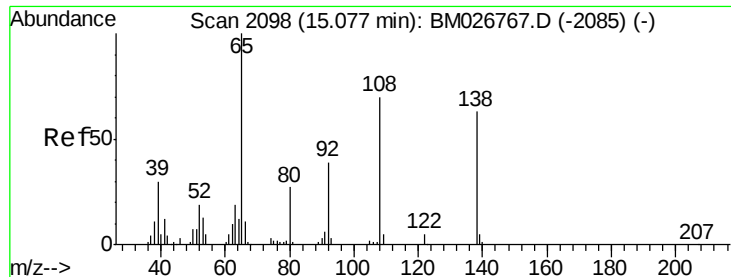


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

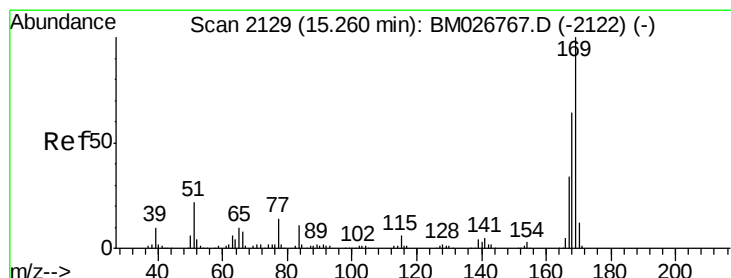
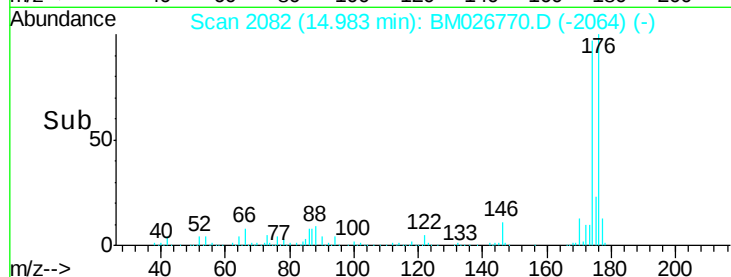
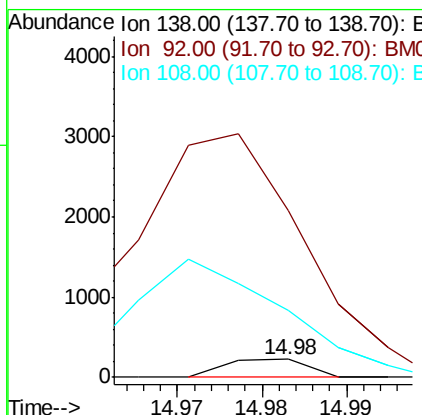
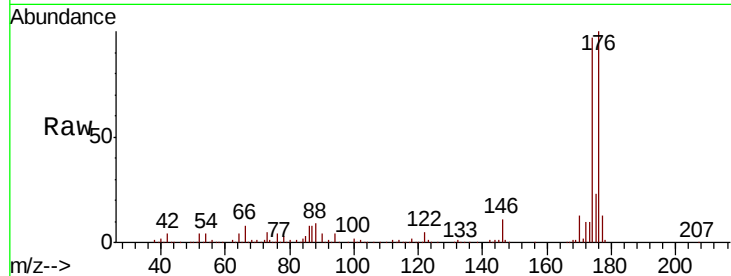




#61
 4-Nitroaniline
 Concen: 0.065 ng/ul
 RT: 14.98 min Scan# 2082
 Delta R.T. -0.09 min
 Lab File: BM026770.D
 Acq: 15 Jul 2020 10:57

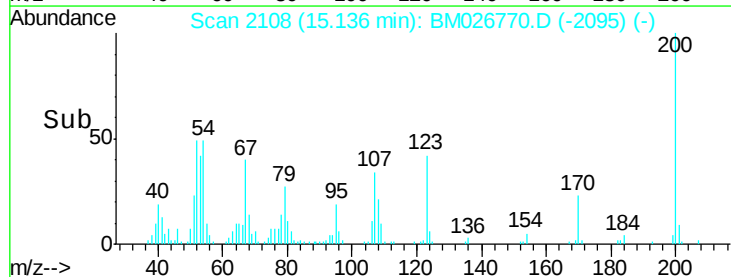
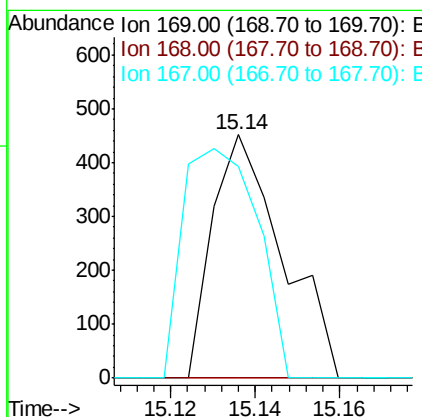
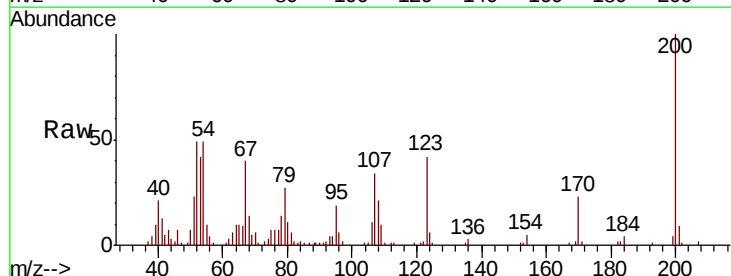
Instrument :
 BNA_M
 ClientSampled :
 SBLK71

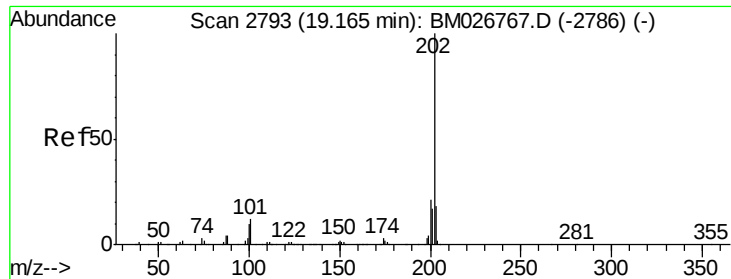
Tot Ion	Ratio	Lower	Upper
138	100		
92	917.3	47.7	71.5#
108	367.7	82.6	123.8#



#65
 N-Nitrosodiphenylamine
 Concen: 0.047 ng/ul
 RT: 15.14 min Scan# 2108
 Delta R.T. -0.12 min
 Lab File: BM026770.D
 Acq: 15 Jul 2020 10:57

Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	51.7	77.5#
167	86.7	28.4	42.6#

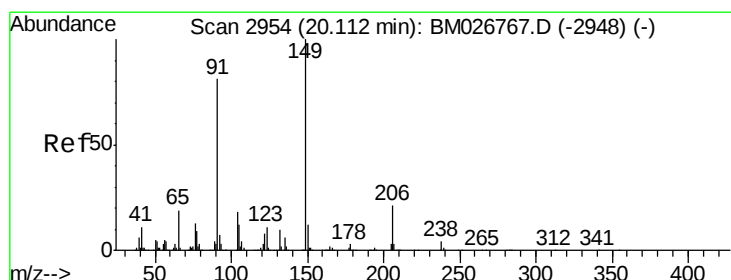
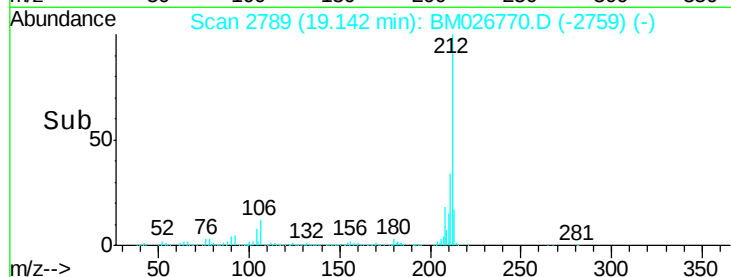
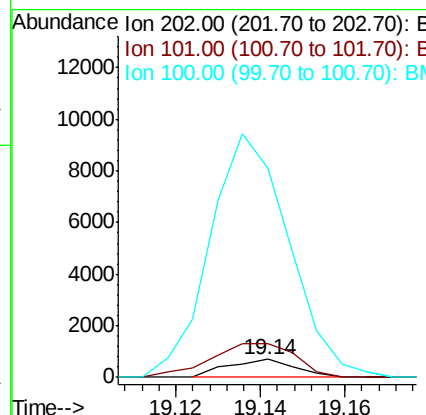
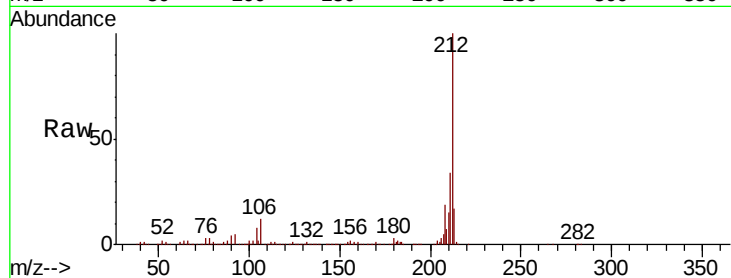




#80
Pvrene
Concen: 0.036 ng/ul
RT: 19.14 min Scan# 2789
Delta R.T. -0.02 min
Lab File: BM026770.D
Acq: 15 Jul 2020 10:57

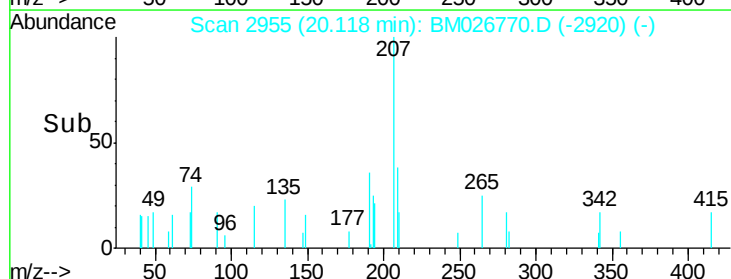
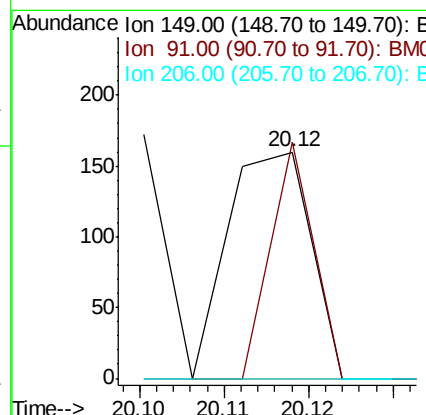
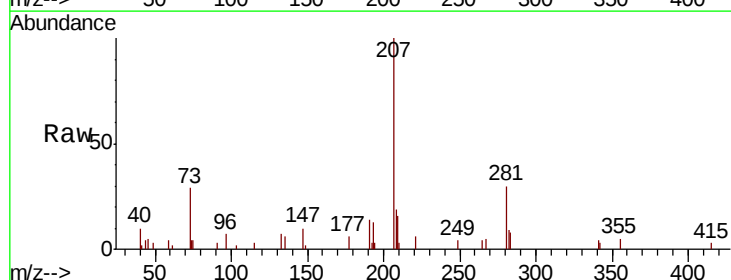
Instrument :
BNA_M
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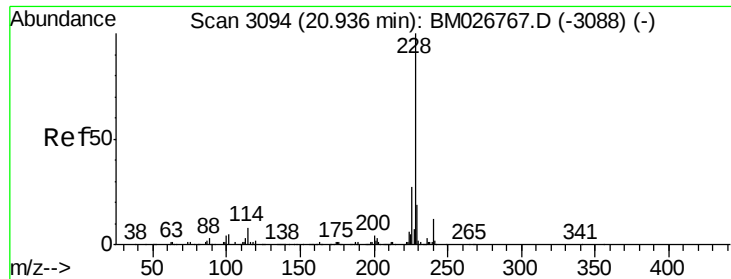
Tot Ion:202 Resp: 763
Ion Ratio Lower Upper
202 100
101 186.4 9.4 14.2#
100 1171.8 8.0 12.0#



#81
Butylbenzylphthalate
Concen: 0.015 ng/ul
RT: 20.12 min Scan# 2955
Delta R.T. 0.01 min
Lab File: BM026770.D
Acq: 15 Jul 2020 10:57

Tgt Ion:149 Resp: 109
Ion Ratio Lower Upper
149 100
91 104.4 66.4 99.6#
206 0.0 16.3 24.5#





#83

Benzo(a)anthracene

Concen: 0.049 ng/ul

RT: 20.96 min Scan# 3098

Delta R.T. 0.02 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampleId :

SBLK71

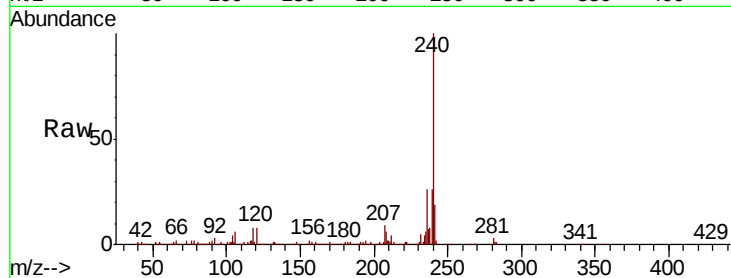
Tot Ion:228 Resp: 990

Ion Ratio Lower Upper

228 100

229 33.5 15.4 23.0#

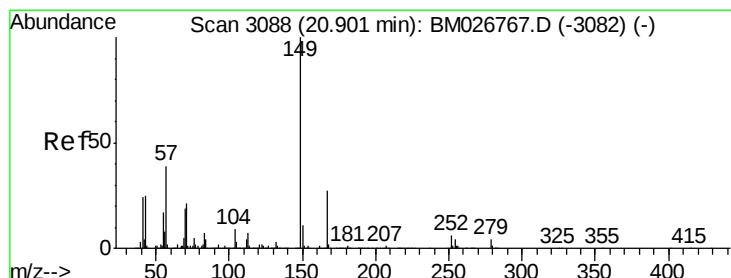
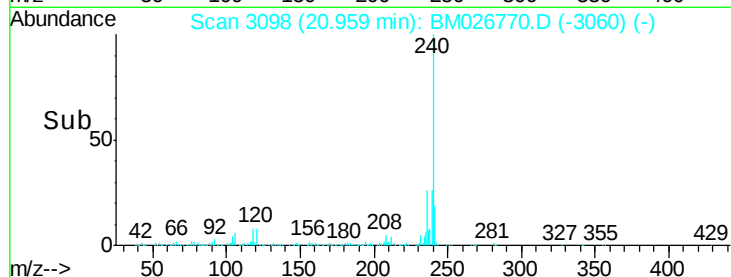
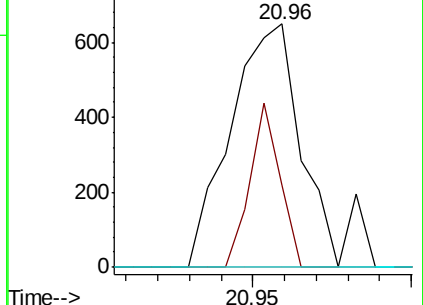
226 0.0 21.2 31.8#



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: 0.053 ng/ul

RT: 20.91 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

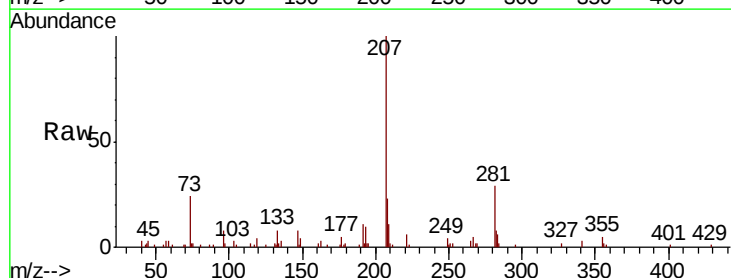
Tgt Ion:149 Resp: 586

Ion Ratio Lower Upper

149 100

167 39.5 22.1 33.1#

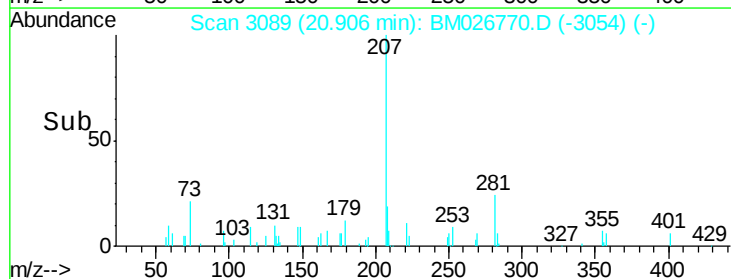
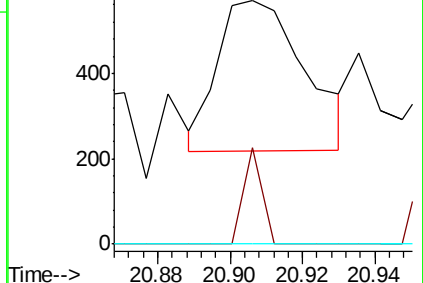
279 0.0 3.6 5.4#

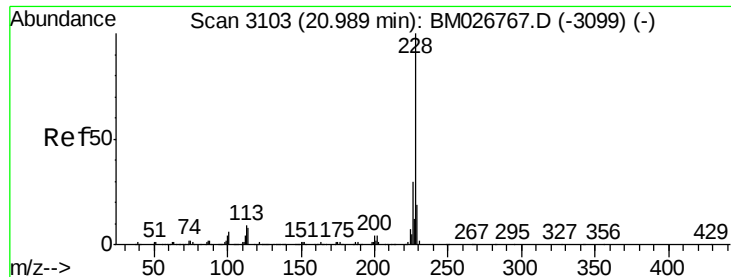


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 0.003 ng/ul

RT: 20.98 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampled :

SBLK71

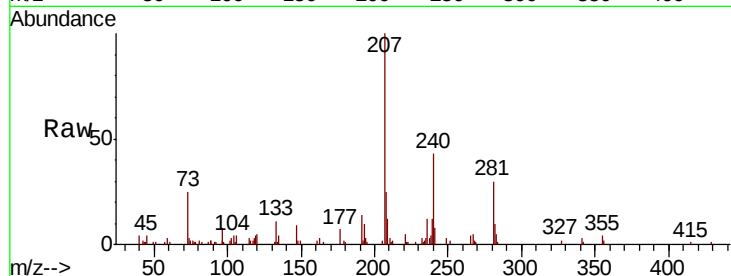
Tot Ion:228 Resp: 69

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

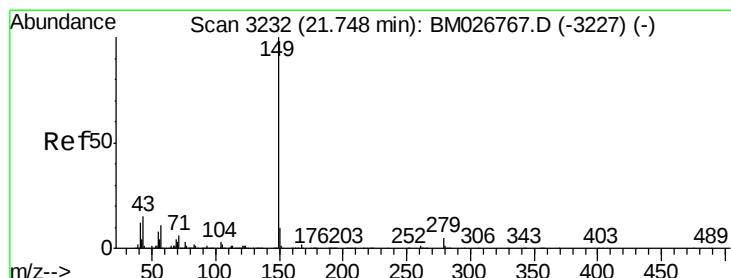
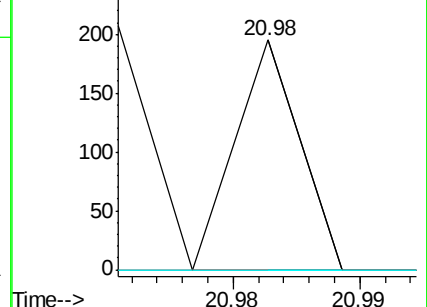
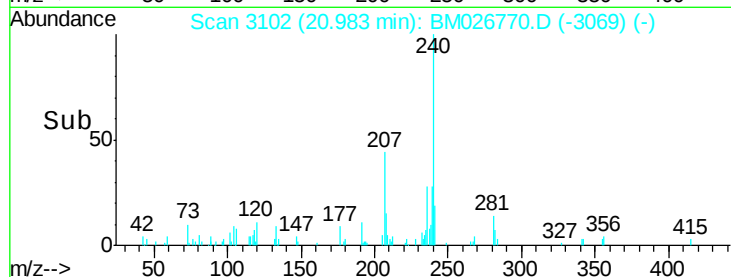
229 0.0 15.5 23.3#



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: 0.004 ng/ul

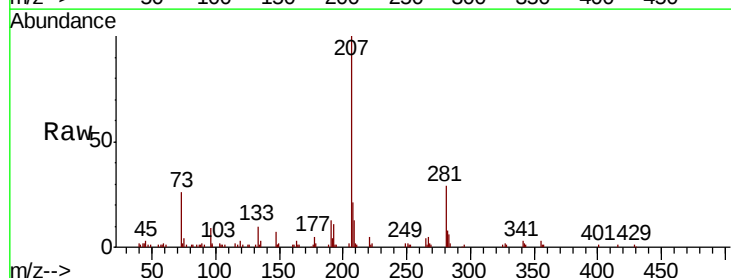
RT: 21.75 min Scan# 3233

Delta R.T. 0.01 min

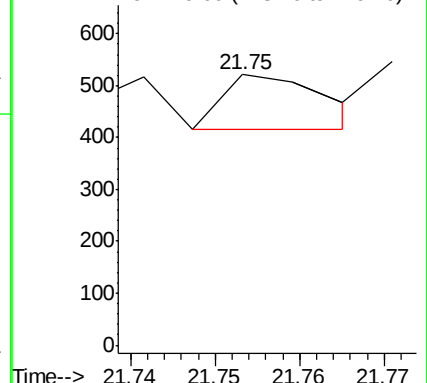
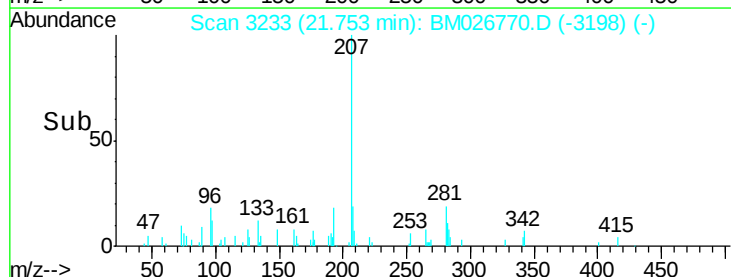
Lab File: BM026770.D

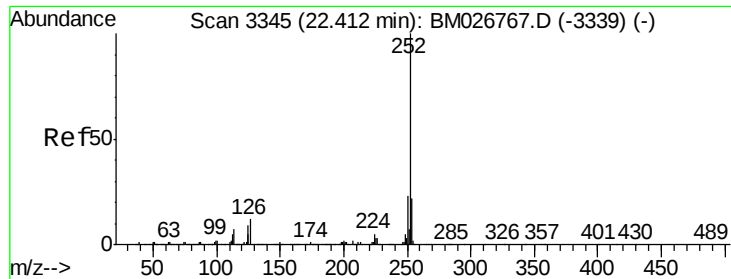
Acq: 15 Jul 2020 10:57

Tgt Ion:149 Resp: 88



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 0.017 ng/ul

RT: 22.42 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampleId :

SBLK71

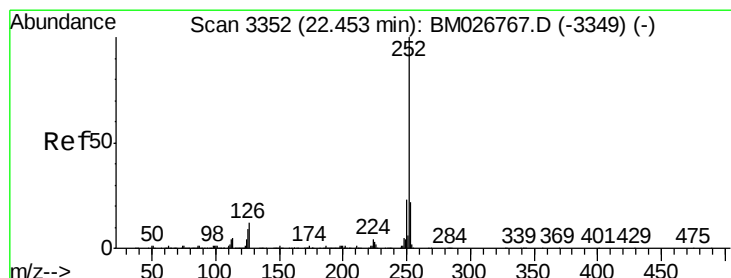
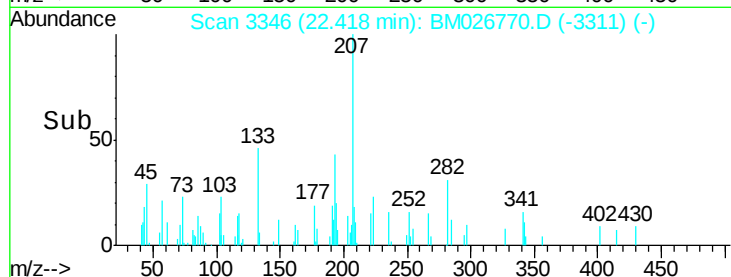
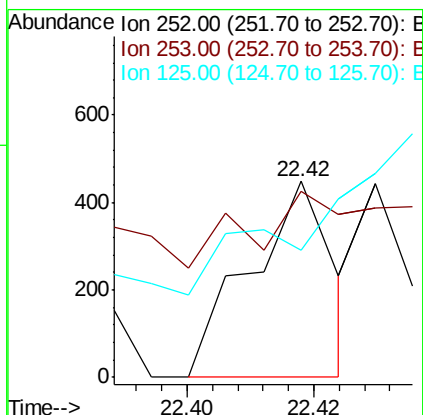
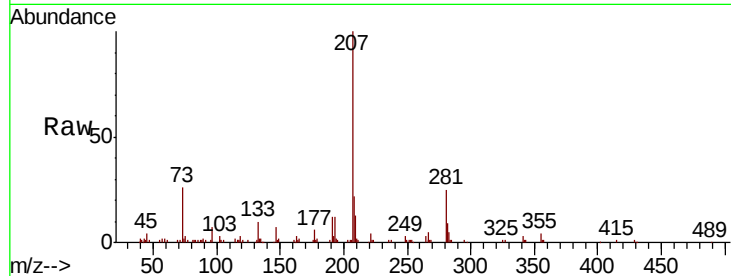
Tot Ion:252 Resp: 407

Ion Ratio Lower Upper

252 100

253 94.9 17.2 25.8#

125 65.0 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 0.024 ng/ul

RT: 22.46 min Scan# 3353

Delta R.T. 0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

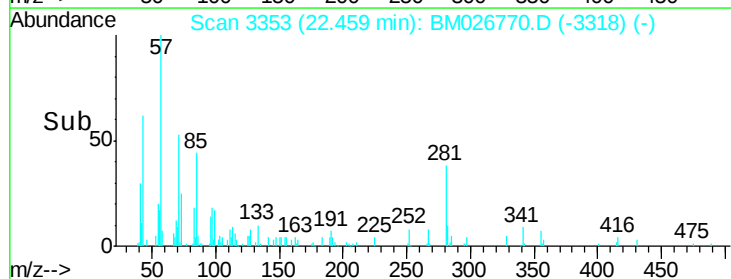
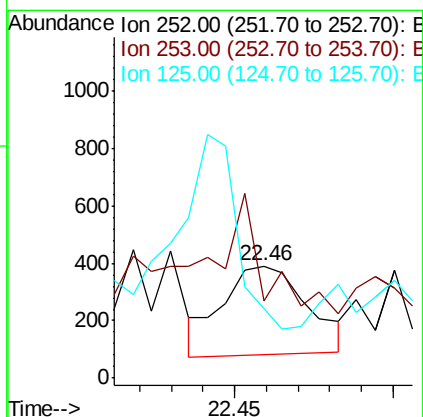
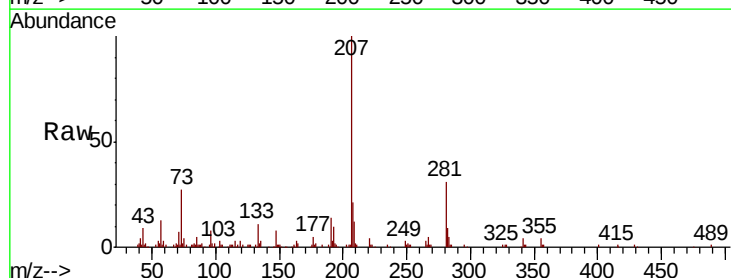
Tgt Ion:252 Resp: 575

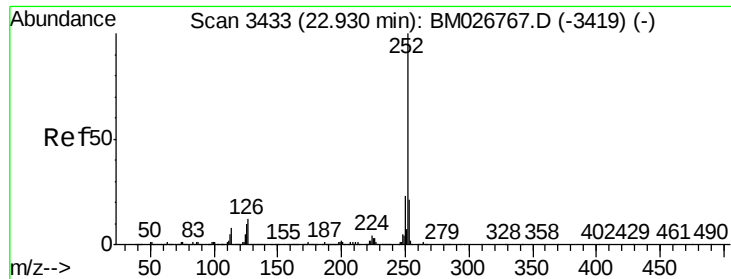
Ion Ratio Lower Upper

252 100

253 68.7 17.1 25.7#

125 62.6 7.7 11.5#





#91

Benzo(a)pyrene

Concen: 0.020 ng/ul

RT: 22.94 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BM026770.D

Acq: 15 Jul 2020 10:57

Instrument :

BNA_M

ClientSampleId :

SBLK71

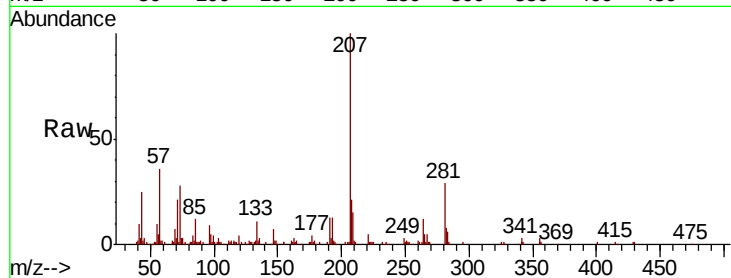
Tot Ion:252 Resp: 426

Ion Ratio Lower Upper

252 100

253 124.5 17.4 26.0#

125 185.1 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

