

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072820\
 Data File : BM026929.D
 Acq On : 29 Jul 2020 17:02
 Operator : JU/CG
 Sample : PB130606BL
 Misc : PBBL-WATER-02
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK06

Quant Time: Jul 29 17:42:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 02:24:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	70294	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	264041	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	160363	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	347398	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	366738	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	378835	20.00	ng/ul	0.00

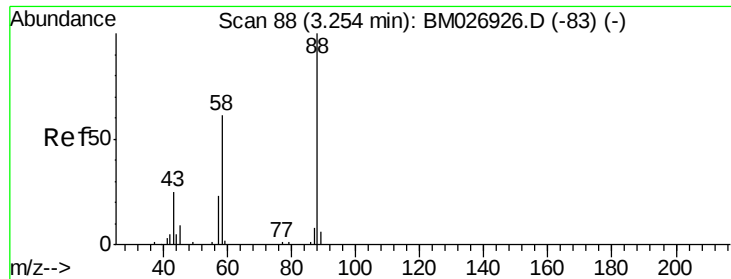
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	11315	7.34	ng/uL	0.00
5) Phenol-d5	6.84	99	189759	30.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	123785	29.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	145152	31.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	143373	30.26	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	63765	31.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	61952	32.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	137019	30.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	181012	33.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	395603	31.46	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	484910	30.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	60937	28.65	ng/ul	0.00
58) Fluorene-d10	15.29	176	347996	31.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	28900	18.66	ng/ul	0.00
71) Anthracene-d10	17.14	188	529718	30.51	ng/ul	0.00
79) Pyrene-d10	19.44	212	593344	30.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	659582	30.85	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.27	88	60	0.031	ng/uL# 9
4) Benzaldehyde	6.84	77	630	0.126	ng/ul# 10
8) Bis(2-Chloroethyl)ether	7.20	93	225	0.043	ng/ul# 1
12) 2,2'-oxybis(1-Chloropropan	8.37	45	927	0.201	ng/ul# 64
20) Nitrobenzene	8.80	77	589	0.089	ng/ul# 40
21) Isophorone	9.52	82	8114	0.692	ng/ul# 75
59) Fluorene	15.30	166	916	0.070	ng/ul# 8
61) 4-Nitroaniline	15.29	138	323	0.116	ng/ul# 1
65) N-Nitrosodiphenylamine	15.41	169	270	0.024	ng/ul# 12
70) Phenanthrene	17.04	178	120	0.006	ng/ul# 1
72) Anthracene	17.04	178	120	0.006	ng/ul# 1
80) Pyrene	19.43	202	905	0.034	ng/ul# 1
81) Butylbenzylphthalate	20.40	149	116	0.012	ng/ul# 19
83) Benzo(a)anthracene	21.24	228	947	0.037	ng/ul# 70
84) Bis(2-ethylhexyl)phthalate	21.19	149	228	0.015	ng/ul# 54
85) Chrysene	21.24	228	947	0.038	ng/ul# 67
87) Di-n-octyl phthalate	22.08	149	199	0.007	ng/ul 100
88) Benzo(b)fluoranthene	22.79	252	227	0.008	ng/ul# 1
89) Benzo(k)fluoranthene	22.84	252	165	0.006	ng/ul# 1
91) Benzo(a)pyrene	23.39	252	139	0.006	ng/ul# 1

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



#2

1,4-Dioxane

Concen: 0.031 ng/uL

RT: 3.27 min Scan# 90

Delta R.T. 0.01 min

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SBLK06

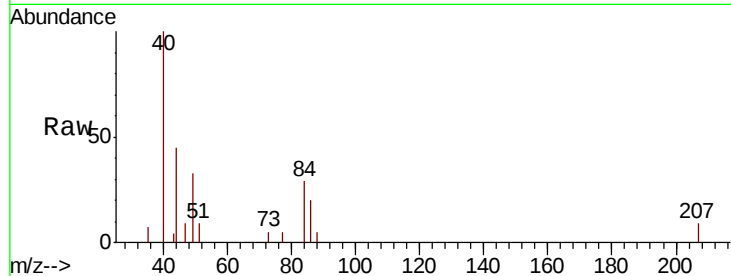
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 91.8 24.7 37.1#

58 0.0 50.8 76.2#



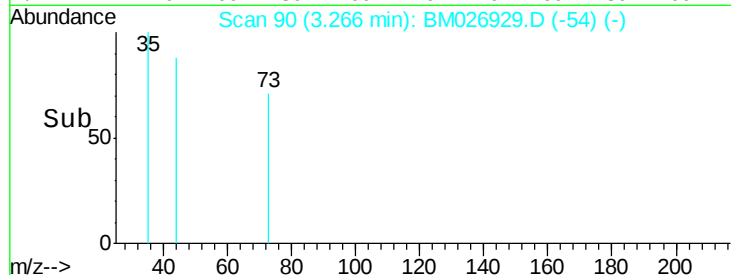
Abundance Ion 88.00 (87.70 to 88.70): BM026926.D (-83) (-)

Ion 43.00 (42.70 to 43.70): BM026926.D (-83) (-)

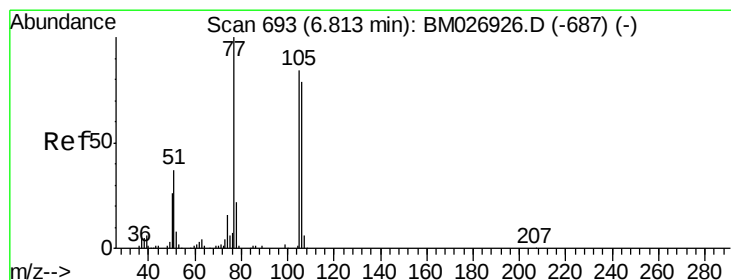
Ion 58.00 (57.70 to 58.70): BM026926.D (-83) (-)

Time-->

3.25 3.26 3.27



Time-->



#4

Benzaldehyde

Concen: 0.126 ng/uL

RT: 6.84 min Scan# 697

Delta R.T. 0.02 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

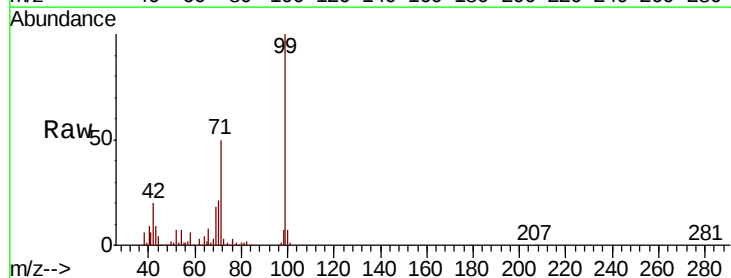
Tgt Ion: 77 Resp: 630

Ion Ratio Lower Upper

77 100

105 0.0 64.9 97.3#

106 0.0 62.5 93.7#



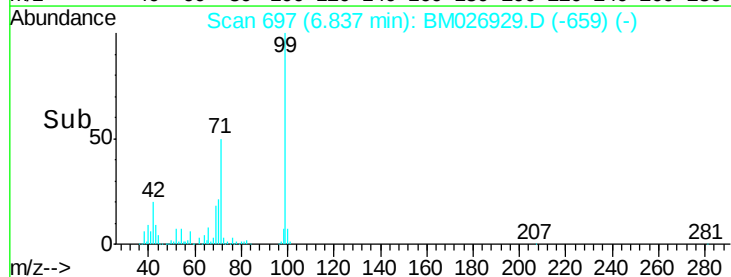
Abundance Ion 77.00 (76.70 to 77.70): BM026926.D (-687) (-)

Ion 105.00 (104.70 to 105.70): BM026926.D (-687) (-)

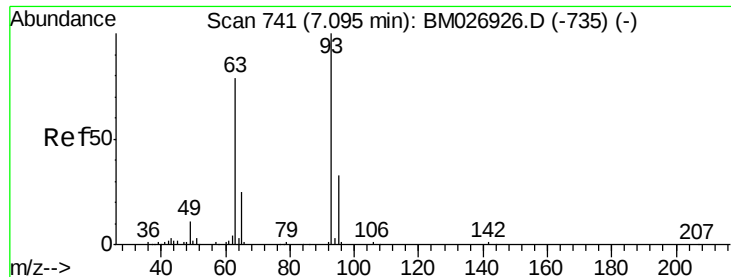
Ion 106.00 (105.70 to 106.70): BM026926.D (-687) (-)

Time-->

6.80 6.82 6.84 6.86



Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 0.043 ng/ul

RT: 7.20 min Scan# 759

Delta R.T. 0.10 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampleId :

SBLK06

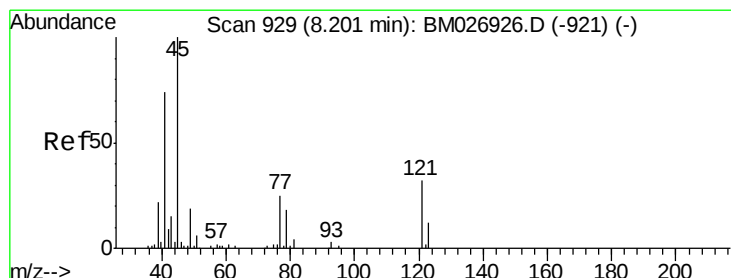
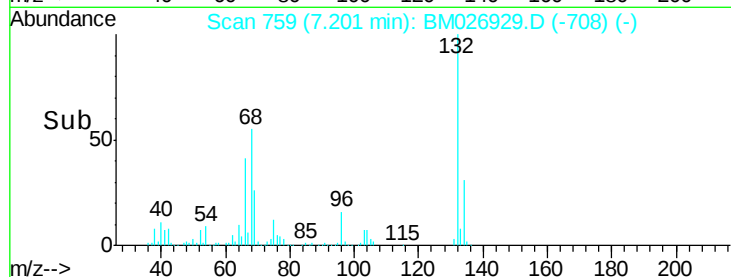
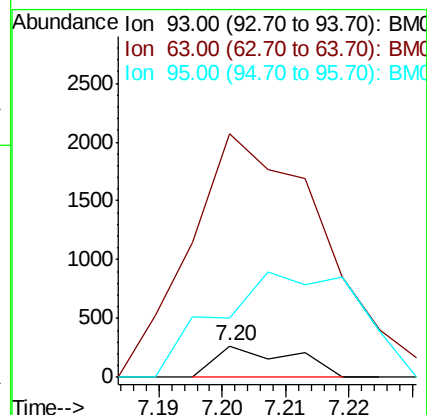
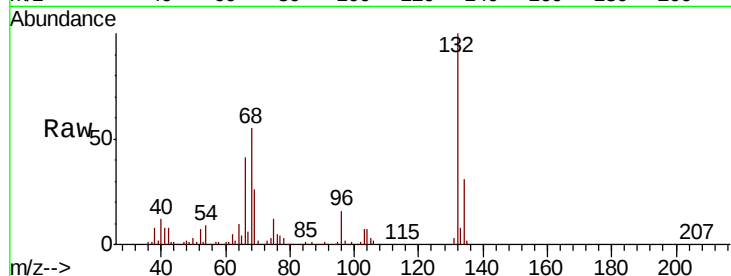
Tot Ion: 93 Resp: 225

Ion Ratio Lower Upper

93 100

63 766.7 62.9 94.3#

95 186.3 24.6 37.0#



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.201 ng/ul

RT: 8.37 min Scan# 958

Delta R.T. 0.16 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

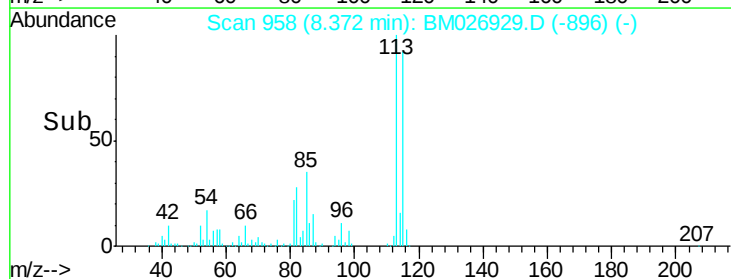
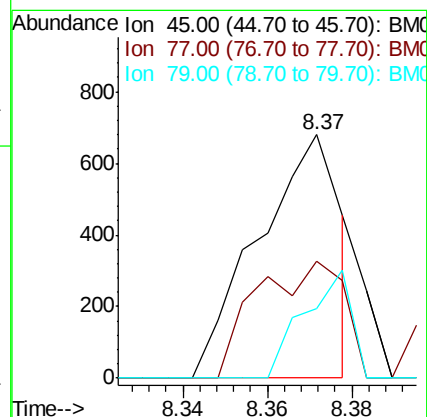
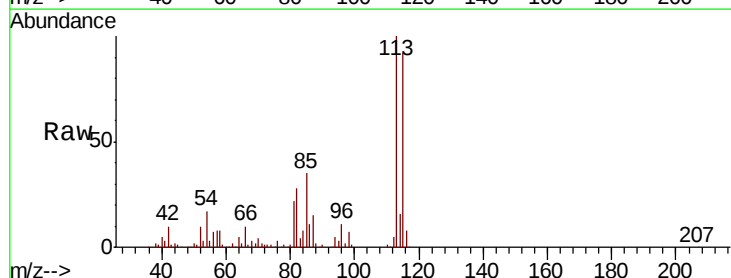
Tgt Ion: 45 Resp: 927

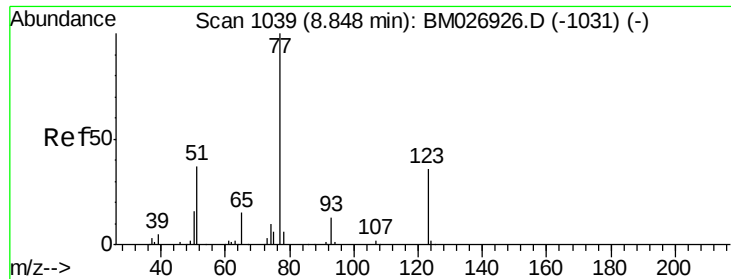
Ion Ratio Lower Upper

45 100

77 47.9 19.7 29.5#

79 28.5 14.9 22.3#

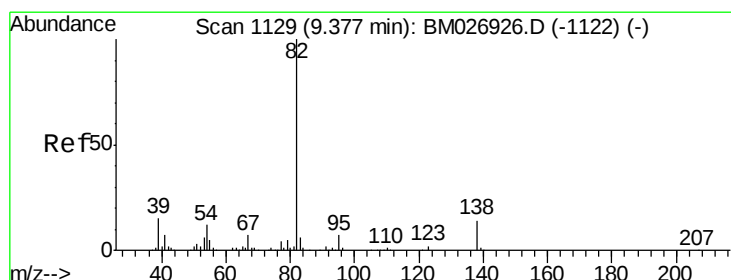
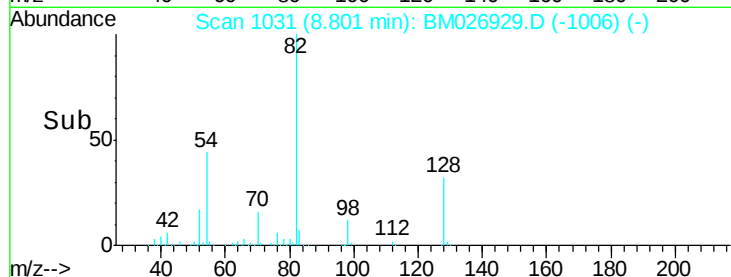
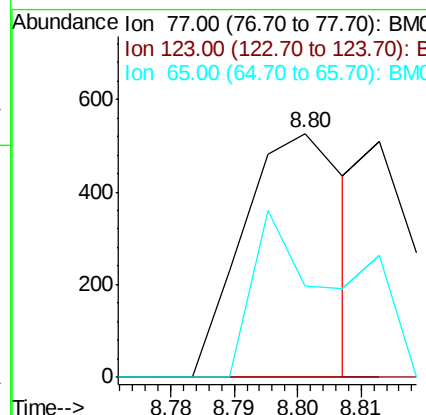
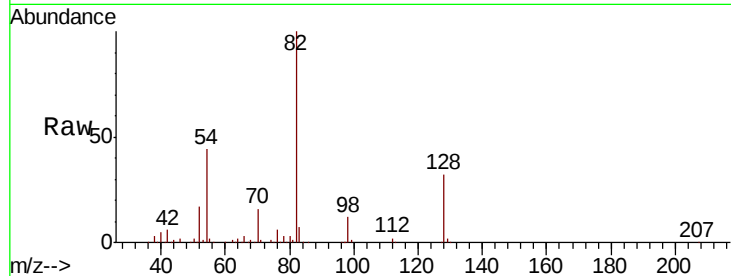




#20
Nitrobenzene
Concen: 0.089 ng/ul
RT: 8.80 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

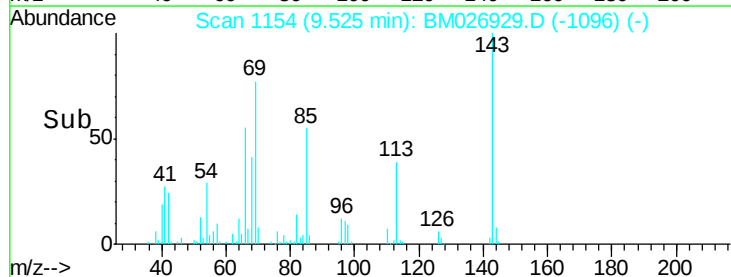
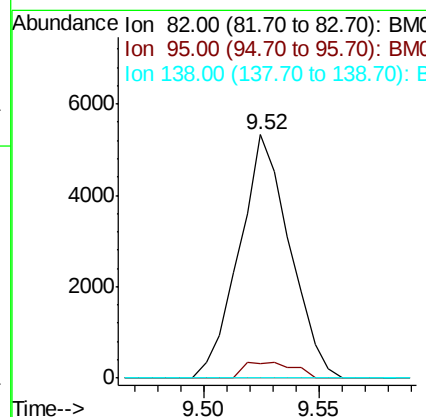
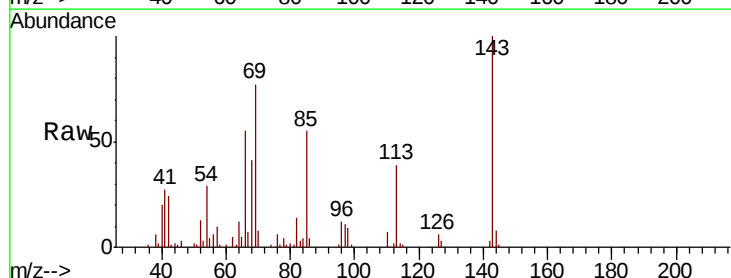
Instrument :
BNA_M
ClientSampled :
SBLK06

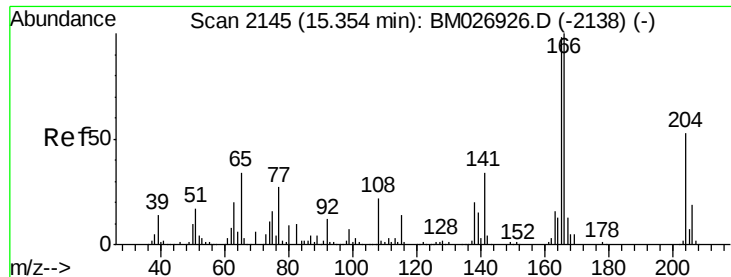
Tot Ion: 77 Resp: 589
Ion Ratio Lower Upper
77 100
123 0.0 28.3 42.5#
65 37.3 11.0 16.6#



#21
Isophorone
Concen: 0.692 ng/ul
RT: 9.52 min Scan# 1154
Delta R.T. 0.14 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

Tgt Ion: 82 Resp: 8114
Ion Ratio Lower Upper
82 100
95 5.7 6.0 9.0#
138 0.0 11.5 17.3#





#59

Fluorene

Concen: 0.070 ng/ul

RT: 15.30 min Scan# 2136

Delta R.T. -0.05 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampleId :

SBLK06

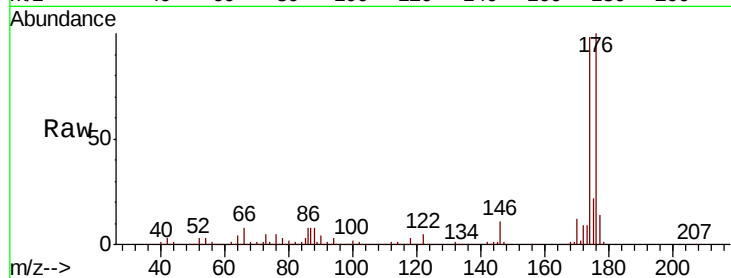
Tot Ion:166 Resp: 916

Ion Ratio Lower Upper

166 100

165 0.0 78.2 117.2#

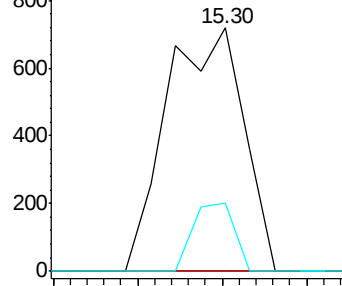
167 28.2 10.3 15.5#



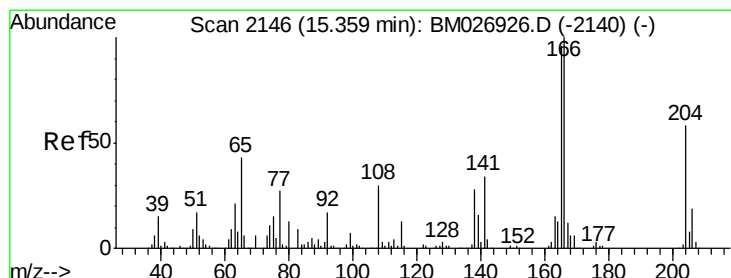
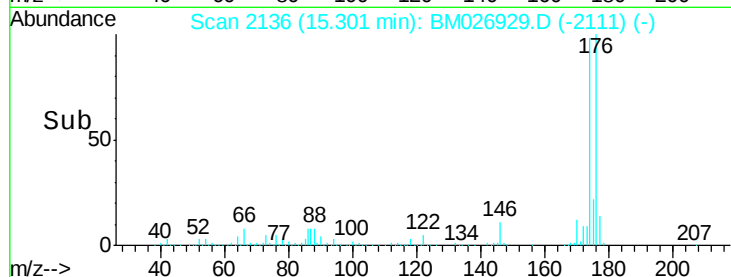
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.26 15.28 15.30 15.32



#61

4-Nitroaniline

Concen: 0.116 ng/ul

RT: 15.29 min Scan# 2134

Delta R.T. -0.07 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

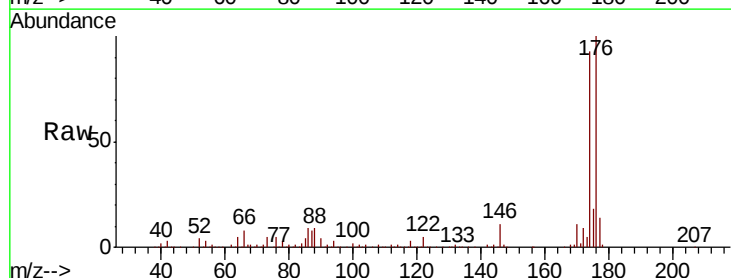
Tgt Ion:138 Resp: 323

Ion Ratio Lower Upper

138 100

92 767.8 49.9 74.9#

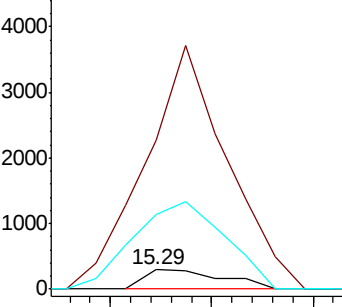
108 386.8 78.9 118.3#



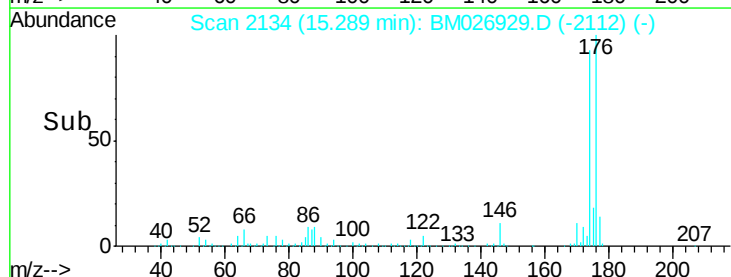
Abundance Ion 138.00 (137.70 to 138.70): E

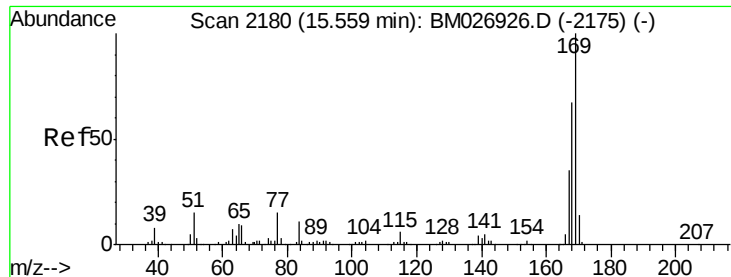
Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



Time--> 15.28 15.30 15.32





#65

N-Nitrosodiphenylamine

Concen: 0.024 ng/ul

RT: 15.41 min Scan# 2154

Delta R.T. -0.16 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampleId :

SBLK06

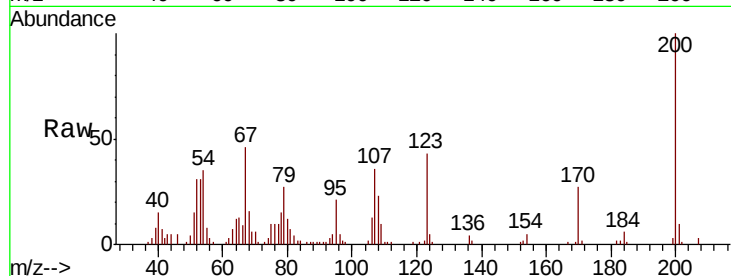
Tot Ion:169 Resp: 270

Ion Ratio Lower Upper

169 100

168 0.0 54.6 82.0#

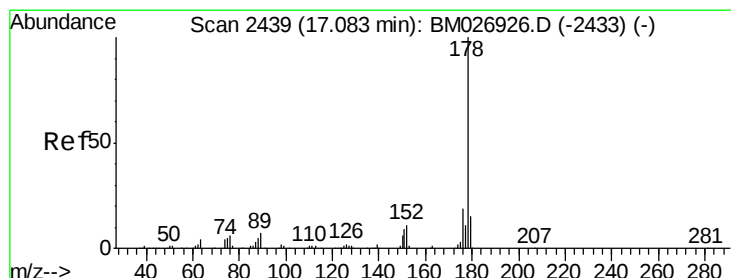
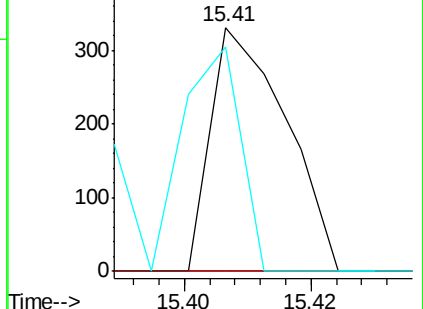
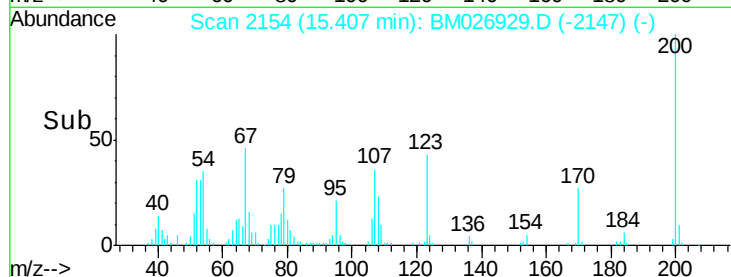
167 91.8 29.1 43.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 0.006 ng/ul

RT: 17.04 min Scan# 2432

Delta R.T. -0.05 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

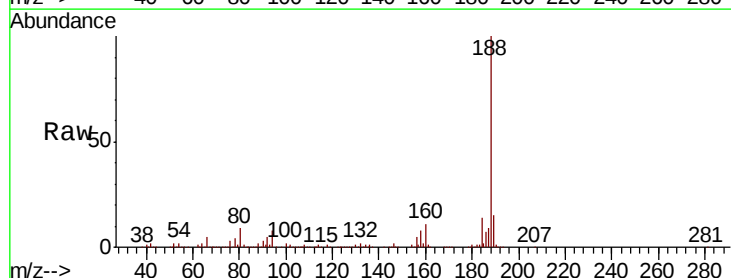
Tgt Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

179 113.9 12.0 18.0#

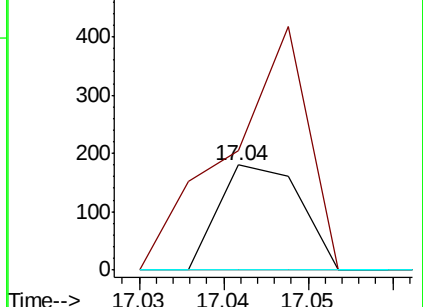
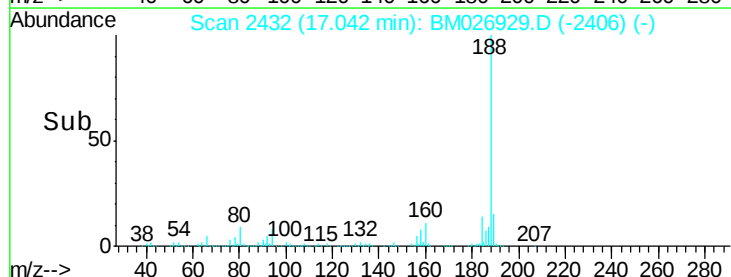
176 0.0 14.7 22.1#

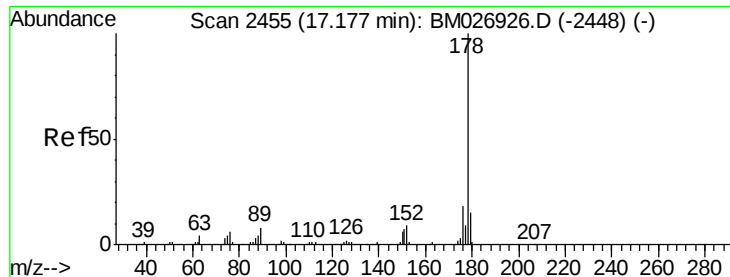


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 0.006 ng/ul

RT: 17.04 min Scan# 2432

Delta R.T. -0.14 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampled :

SBLK06

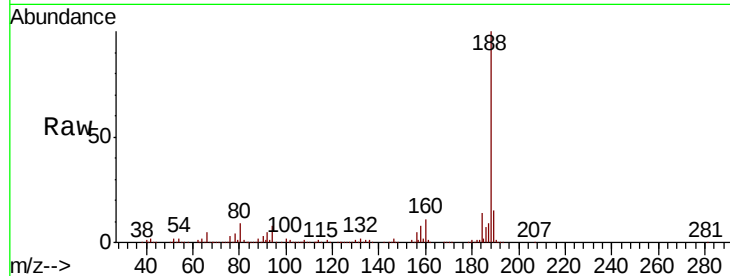
Tot Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

179 113.9 11.8 17.6#

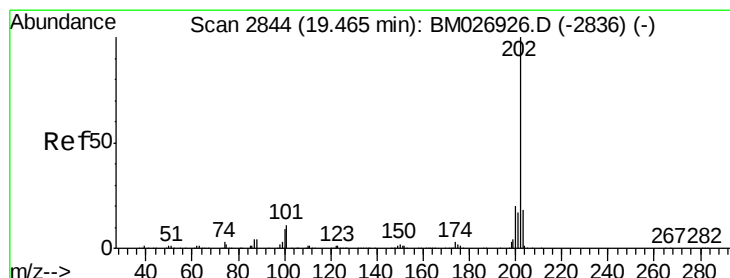
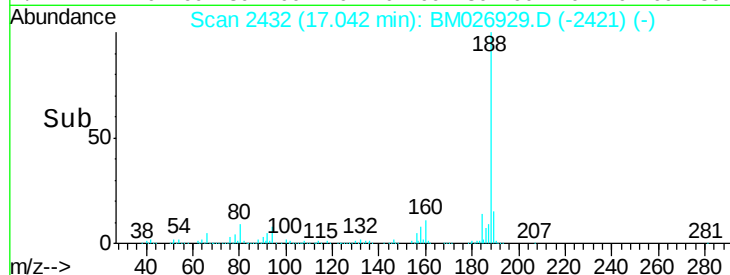
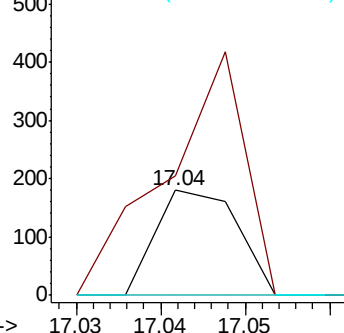
176 0.0 15.0 22.6#



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



#80

Pyrene

Concen: 0.034 ng/ul

RT: 19.43 min Scan# 2838

Delta R.T. -0.04 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

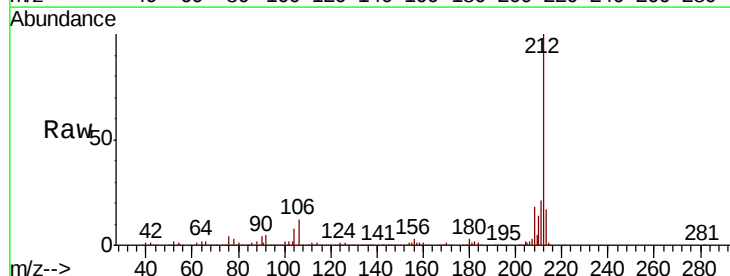
Tgt Ion:202 Resp: 905

Ion Ratio Lower Upper

202 100

101 155.5 9.4 14.2#

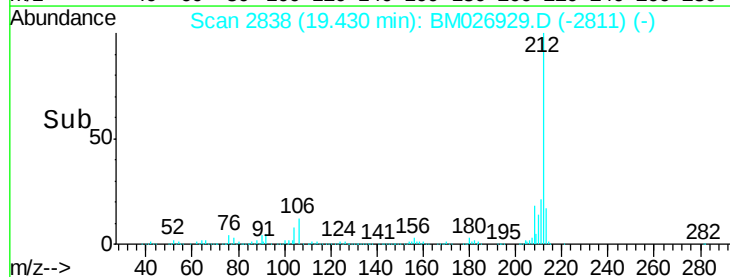
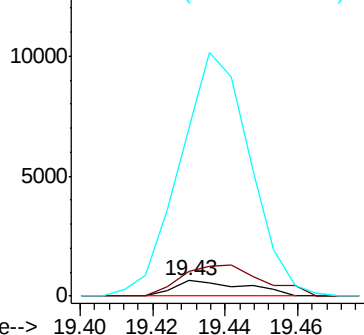
100 1073.4 8.2 12.4#

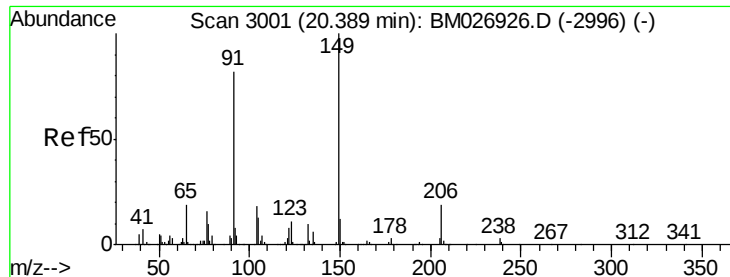


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

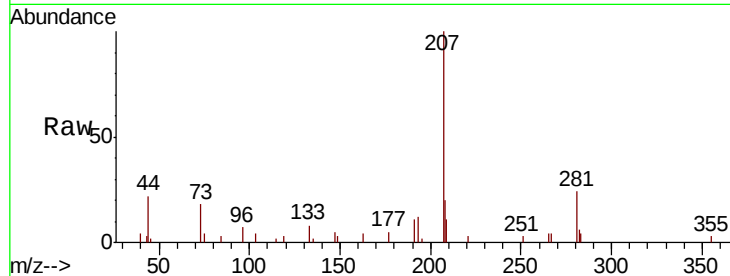




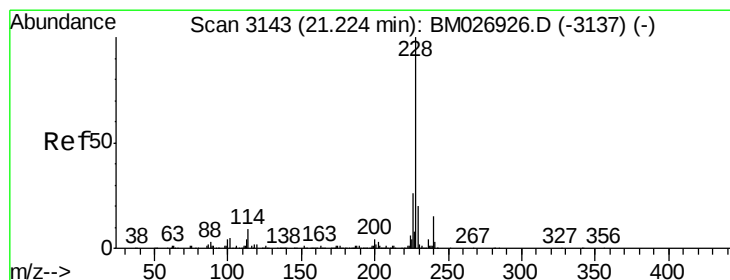
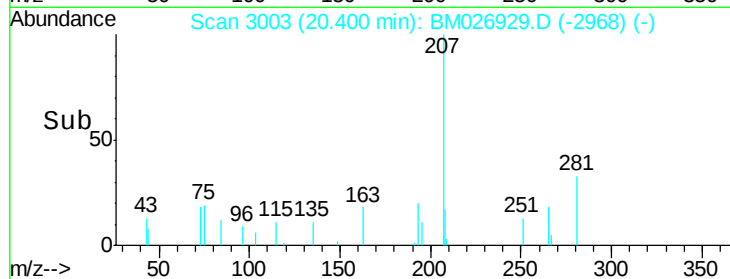
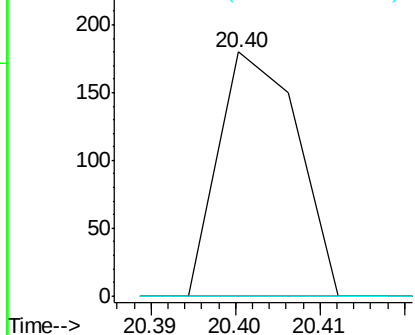
#81
Butylbenzylphthalate
Concen: 0.012 ng/ul
RT: 20.40 min Scan# 3003
Delta R.T. 0.01 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

Instrument :
BNA_M
ClientSampleId :
SBLK06

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	64.2	96.2#
206	0.0	15.8	23.6#

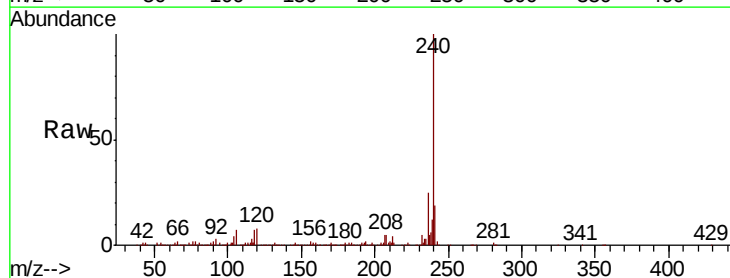


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

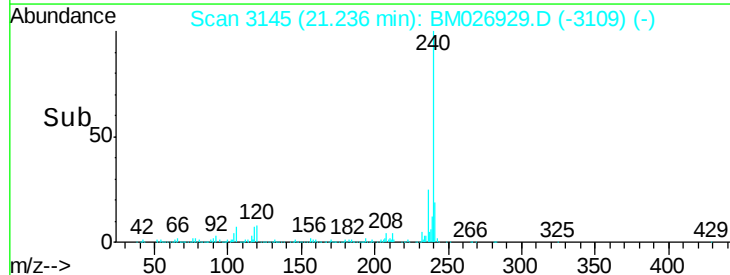
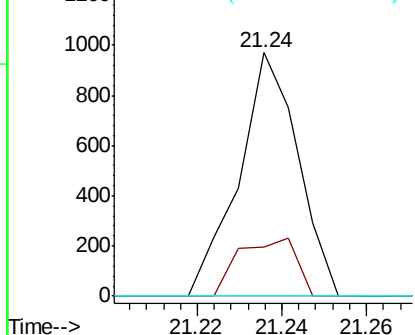


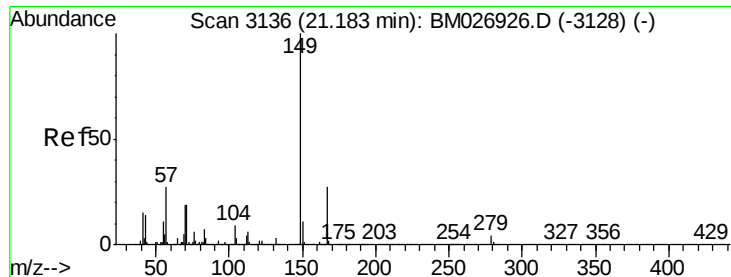
#83
Benzo(a)anthracene
Concen: 0.037 ng/ul
RT: 21.24 min Scan# 3145
Delta R.T. 0.01 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.2
226	0.0	20.9	31.3#



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: 0.015 ng/ul

RT: 21.19 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampleId :

SBLK06

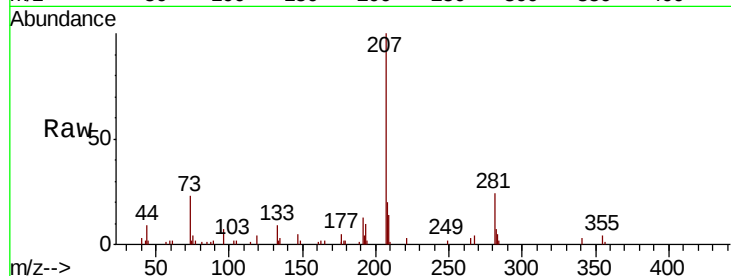
Tot Ion:149 Resp: 228

Ion Ratio Lower Upper

149 100

167 0.0 20.6 31.0#

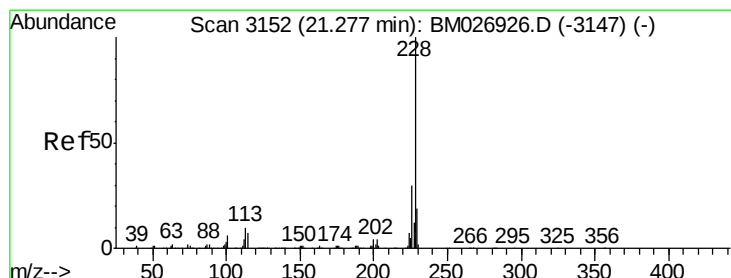
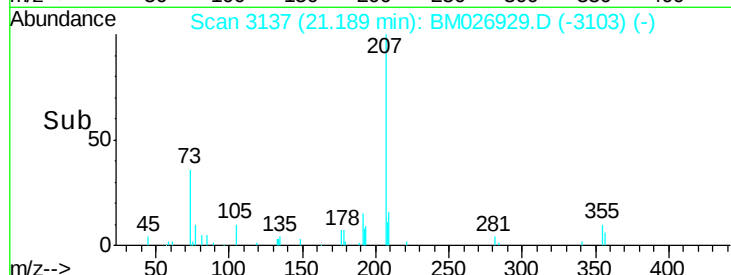
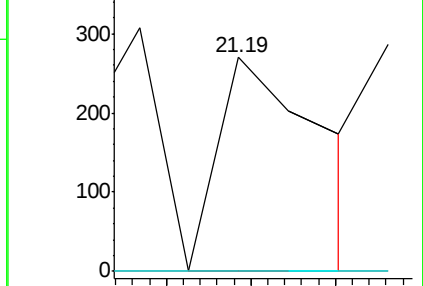
279 0.0 3.0 4.6#



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: 0.038 ng/ul

RT: 21.24 min Scan# 3145

Delta R.T. -0.04 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

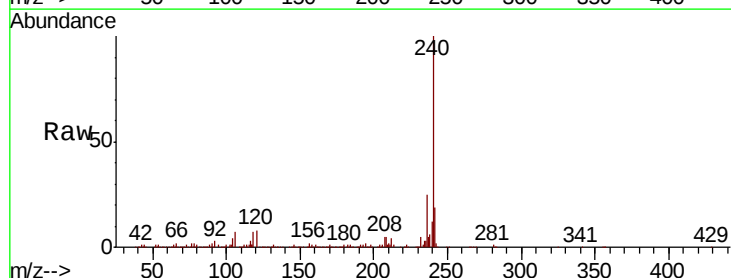
Tgt Ion:228 Resp: 947

Ion Ratio Lower Upper

228 100

226 0.0 23.2 34.8#

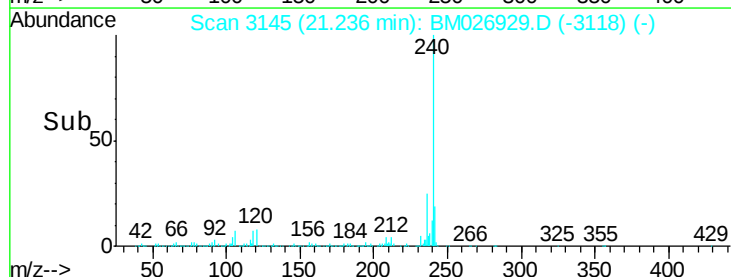
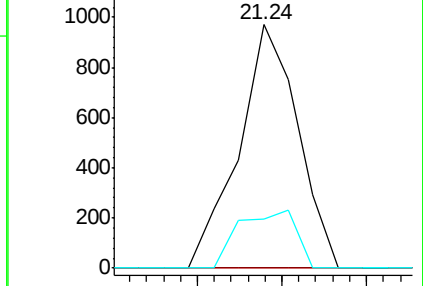
229 20.3 15.5 23.3

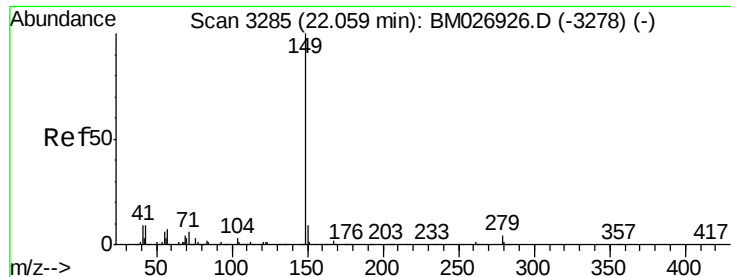


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

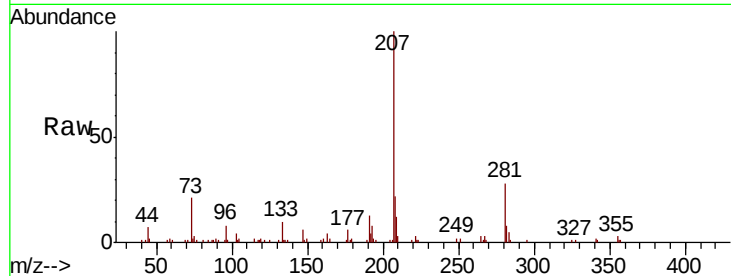




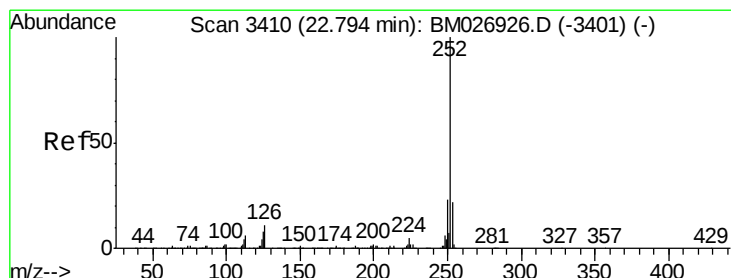
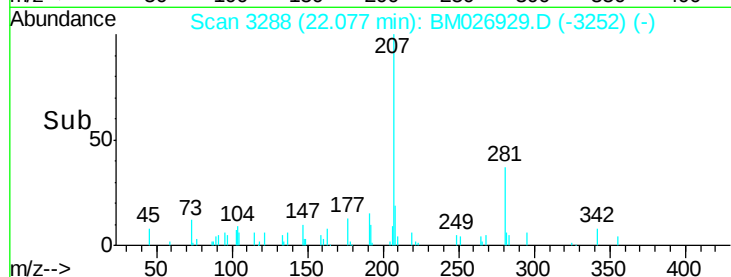
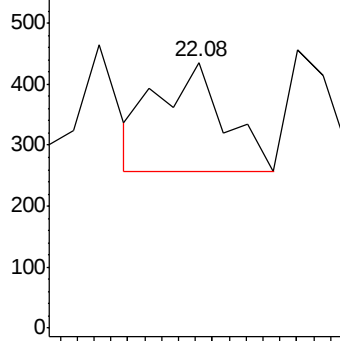
#87
Di-n-octyl phthalate
Concen: 0.007 ng/ul
RT: 22.08 min Scan# 3288
Delta R.T. 0.01 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

Instrument :
BNA_M
ClientSampleId :
SBLK06

Tgt Ion:149 Resp: 199

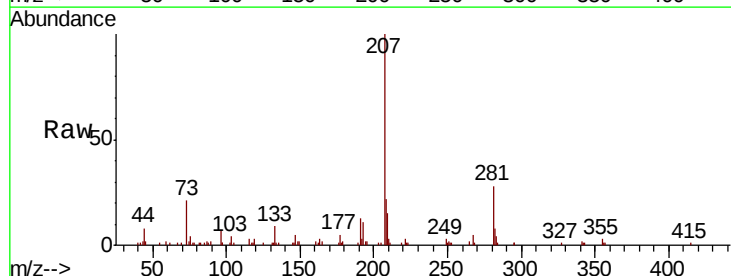


Abundance Ion 149.00 (148.70 to 149.70): E

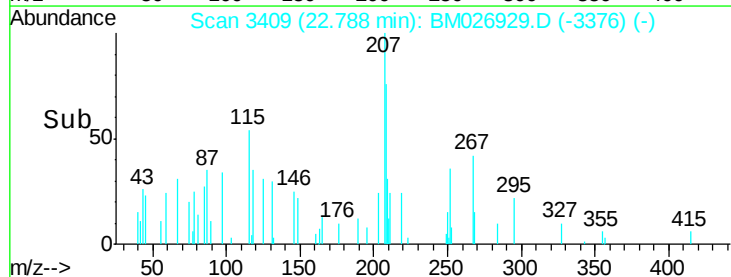
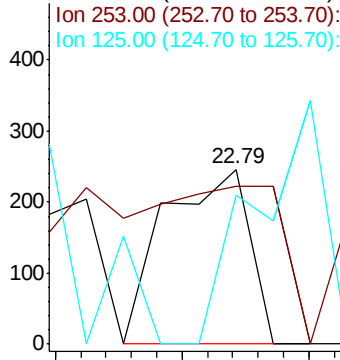


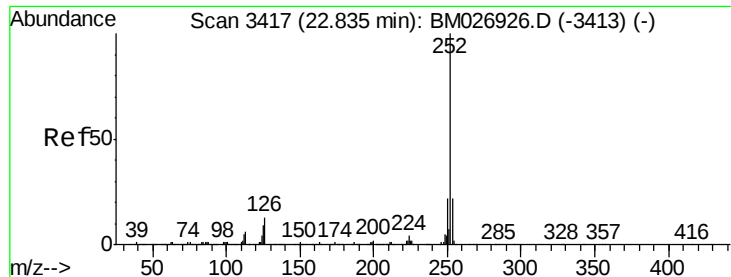
#88
Benzo(b)fluoranthene
Concen: 0.008 ng/ul
RT: 22.79 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BM026929.D
Acq: 29 Jul 2020 17:02

Tgt Ion:252 Resp: 227
Ion Ratio Lower Upper
252 100
253 90.2 17.6 26.4#
125 85.0 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 0.006 ng/ul

RT: 22.84 min Scan# 3417

Delta R.T. -0.01 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

Instrument :

BNA_M

ClientSampleId :

SBLK06

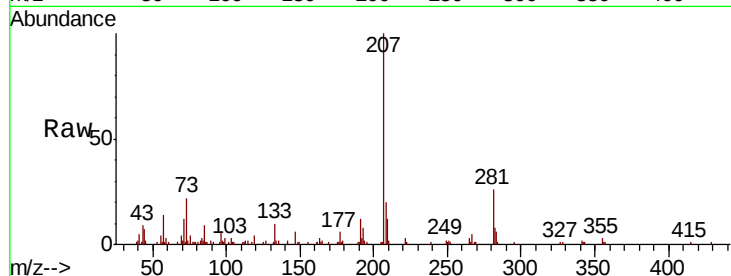
Tot Ion:252 Resp: 165

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

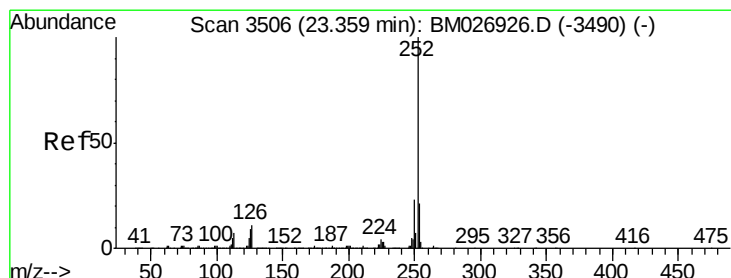
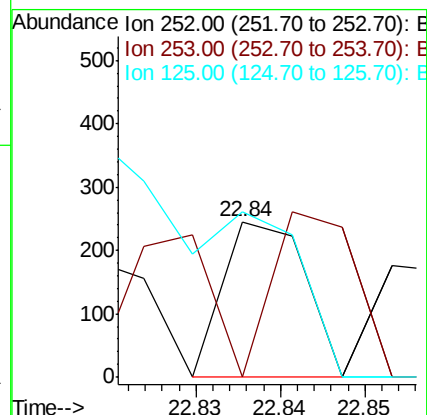
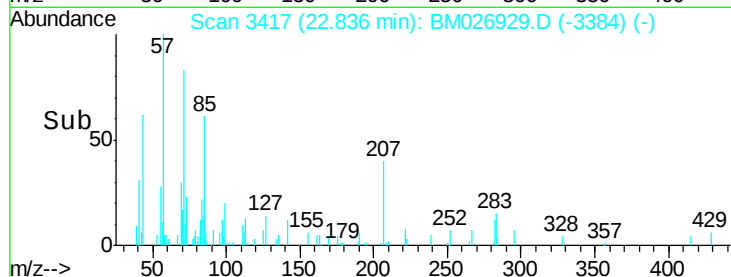
125 106.5 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 0.006 ng/ul

RT: 23.39 min Scan# 3511

Delta R.T. 0.03 min

Lab File: BM026929.D

Acq: 29 Jul 2020 17:02

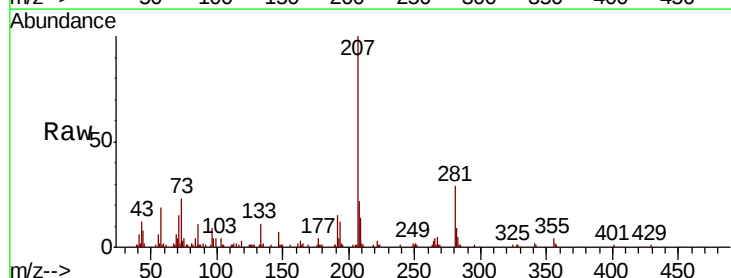
Tgt Ion:252 Resp: 139

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

125 130.0 8.2 12.2#



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

