

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026858.D
 Acq On : 23 Jul 2020 19:21
 Operator : JU/CG
 Sample : L3381-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 24 01:37:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 14:16:10 2020
 Response via : Initial Calibration

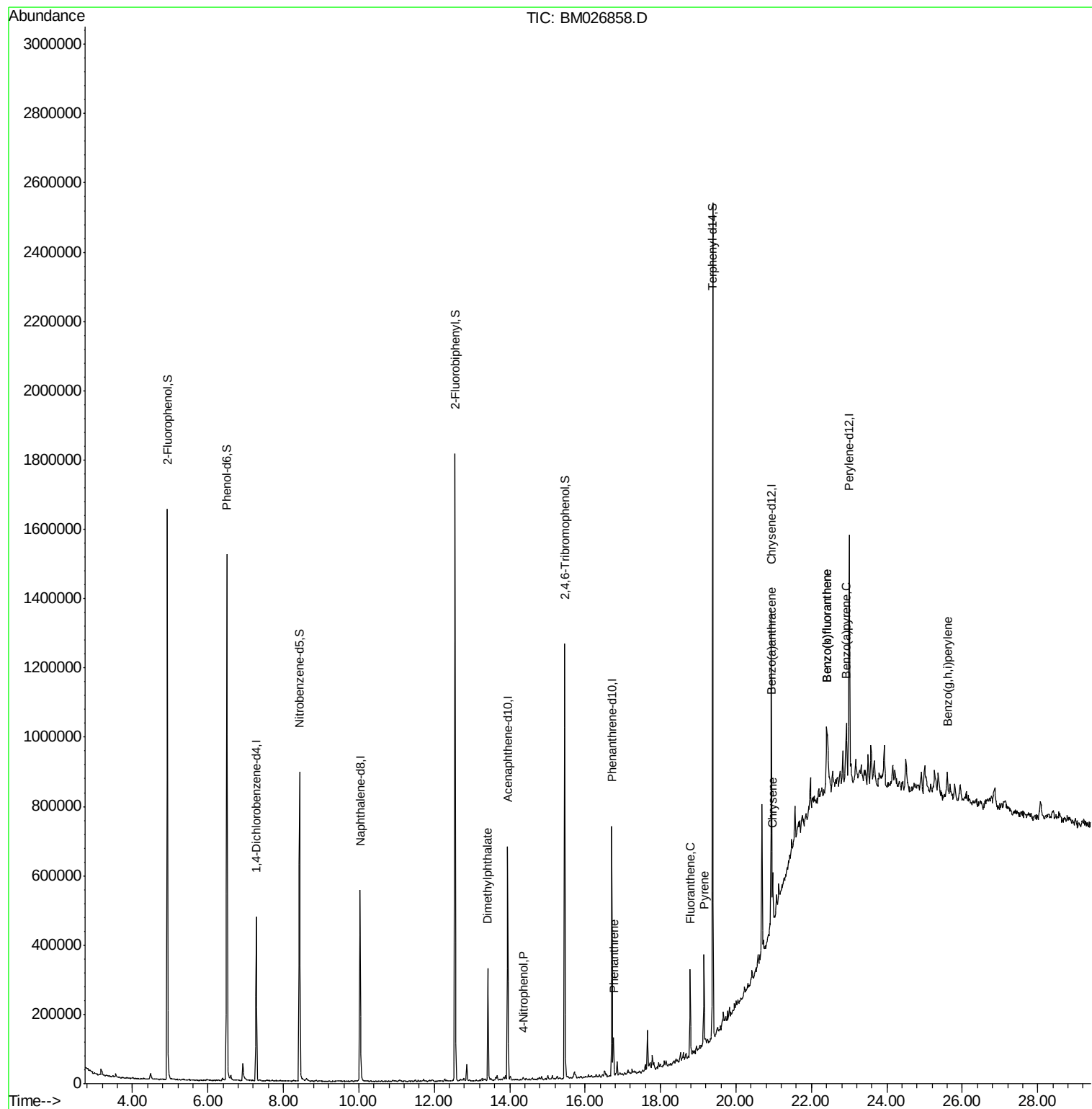
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	104108	20.00	ng	-0.02
21) Naphthalene-d8	10.03	136	385436	20.00	ng	-0.02
39) Acenaphthene-d10	13.95	164	193005	20.00	ng	-0.01
64) Phenanthrene-d10	16.71	188	356940	20.00	ng	-0.01
76) Chrysene-d12	20.94	240	378875	20.00	ng	0.00
86) Perylene-d12	23.01	264	413222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	540600	87.03	ng	-0.02
7) Phenol-d6	6.50	99	714907	72.24	ng	-0.02
23) Nitrobenzene-d5	8.43	82	469530	51.97	ng	-0.02
42) 2,4,6-Tribromophenol	15.46	330	181751	64.65	ng	-0.01
45) 2-Fluorobiphenyl	12.55	172	825600	56.88	ng	-0.02
79) Terphenyl-d14	19.38	244	913412	47.45	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.42	163	170788	10.345	ng	99
56) 4-Nitrophenol	14.36	139	1439	4.339	ng	# 1
71) Phenanthrene	16.75	178	54394	2.581	ng	99
75) Fluoranthene	18.79	202	137303	5.290	ng	98
78) Pyrene	19.15	202	144955	6.073	ng	99
81) Benzo(a)anthracene	20.92	228	77109	3.030	ng	97
83) Chrysene	20.98	228	82881	3.346	ng	97
88) Benzo(b)fluoranthene	22.41	252	110650	4.064	ng	# 87
89) Benzo(k)fluoranthene	22.41	252	110650	4.143	ng	# 87
90) Benzo(a)pyrene	22.92	252	76490	3.026	ng	# 87
92) Benzo(g,h,i)perylene	25.60	276	58035	2.536	ng	# 93

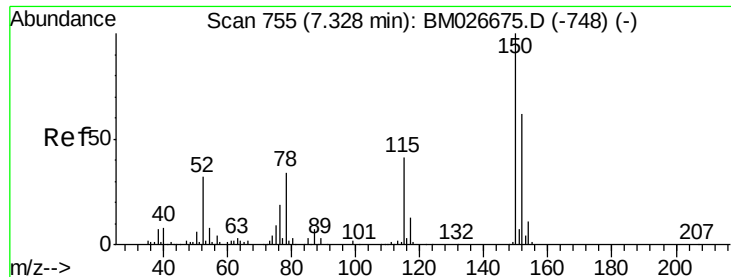
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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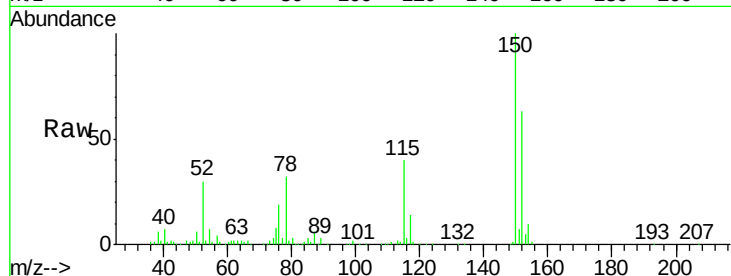


#1

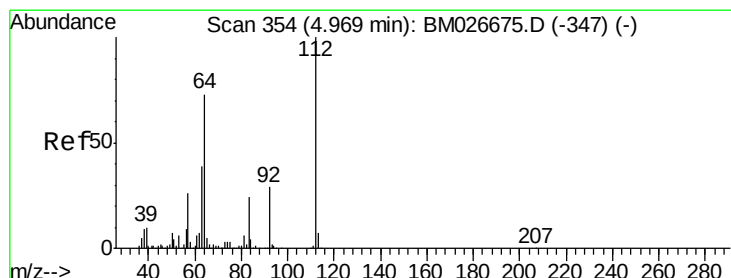
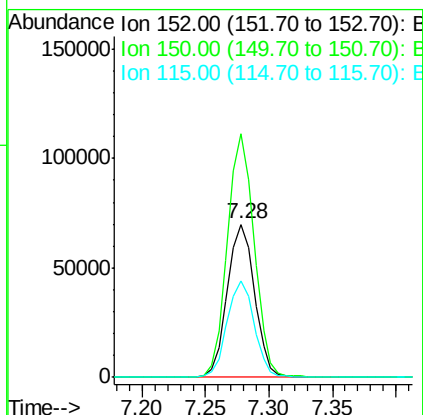
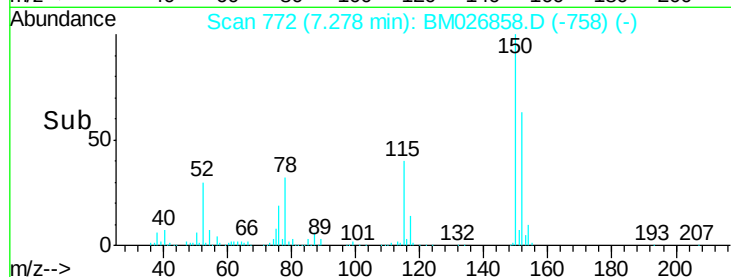
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026858.D
Acq: 23 Jul 2020 19:21

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	128.1	192.1
115	63.2	52.2	78.4



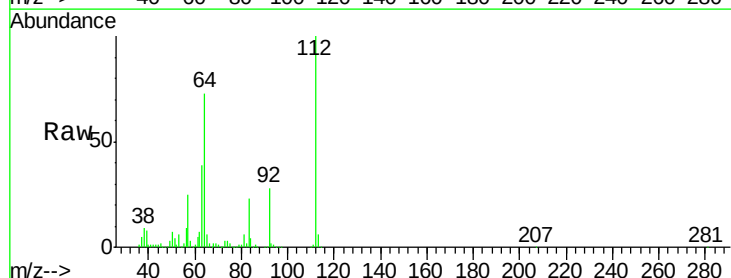
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



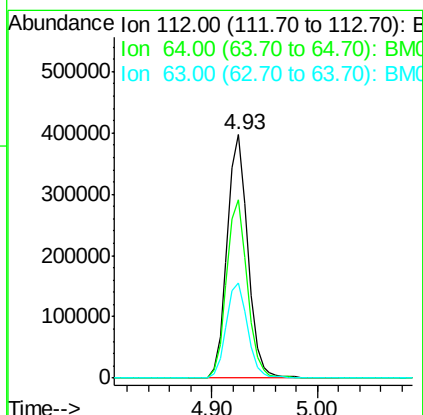
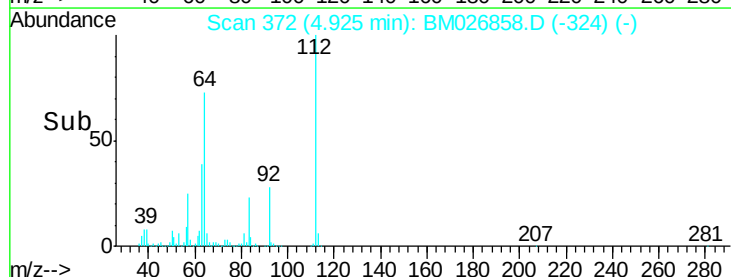
#5

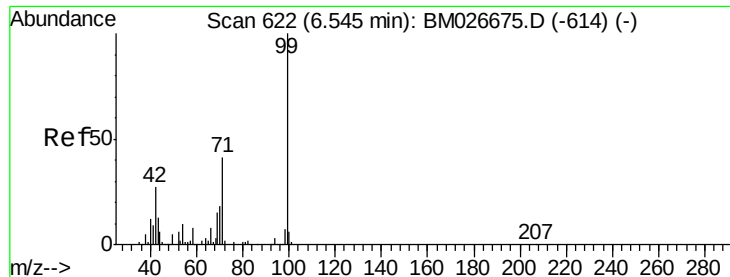
2-Fluorophenol
Concen: 87.034 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026858.D
Acq: 23 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	58.4	87.6
63	39.2	31.5	47.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 72.240 ng

RT: 6.50 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

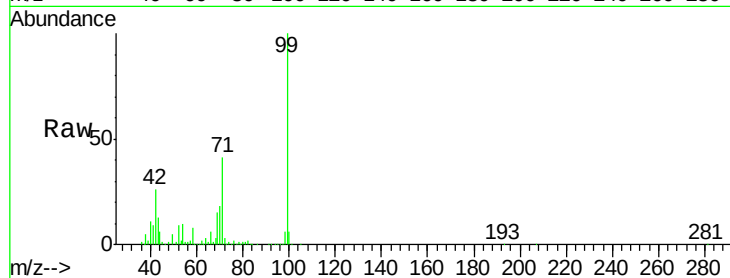
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 99 Resp: 714907

Ion	Ratio	Lower	Upper
99	100		
42	26.3	21.7	32.5
71	41.2	33.2	49.8

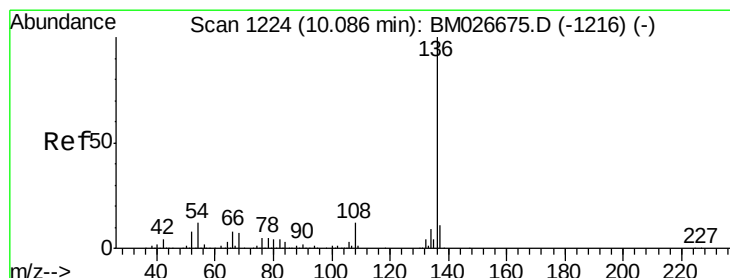
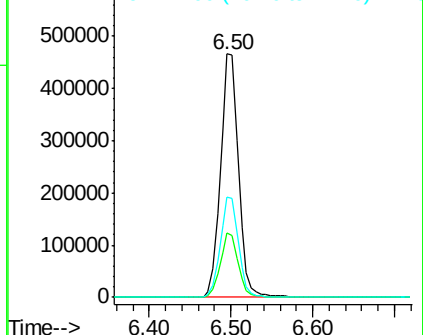
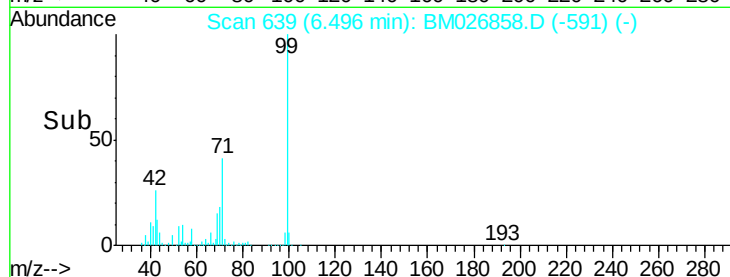


Abundance

Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.03 min Scan# 1240

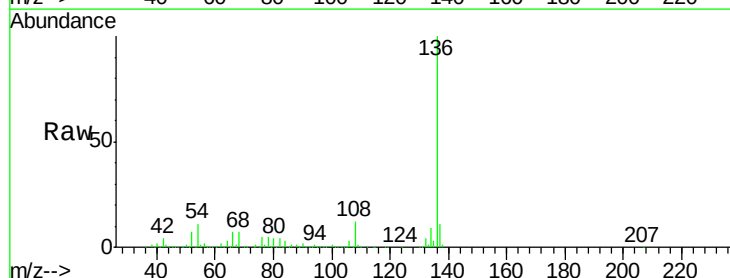
Delta R.T. -0.02 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Tgt Ion: 136 Resp: 385436

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	11.3	9.8	14.6
68	6.7	5.8	8.6



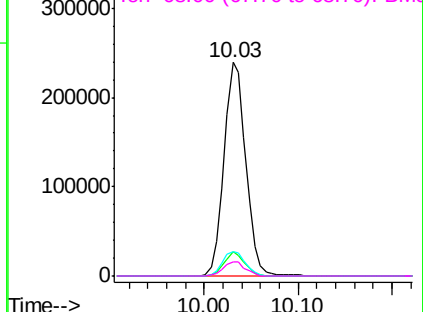
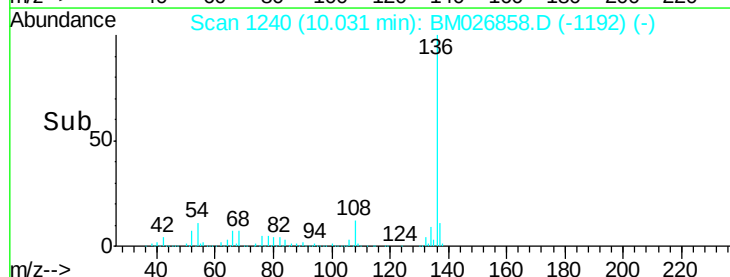
Abundance

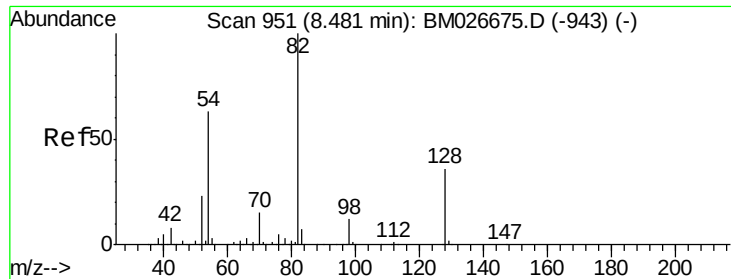
Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

Ion 137.00 (136.70 to 137.70): BM026675.D (-1216) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-1216) (-)

Ion 68.00 (67.70 to 68.70): BM026675.D (-1216) (-)

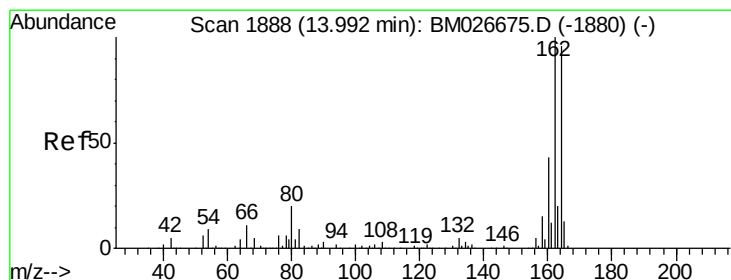
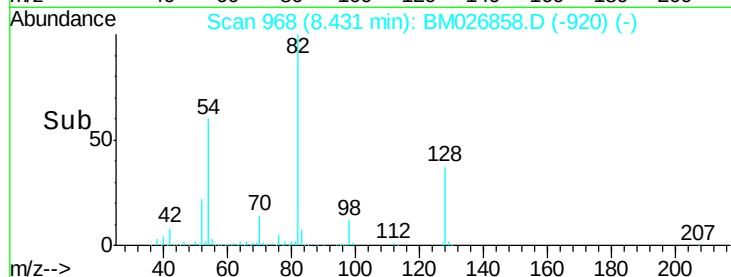
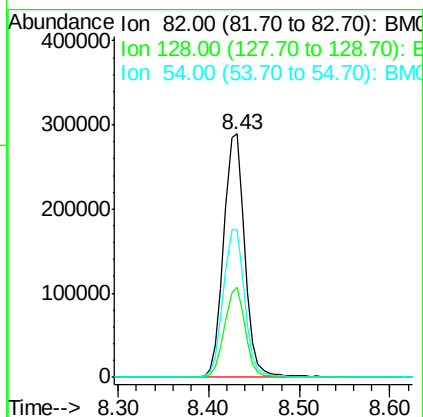
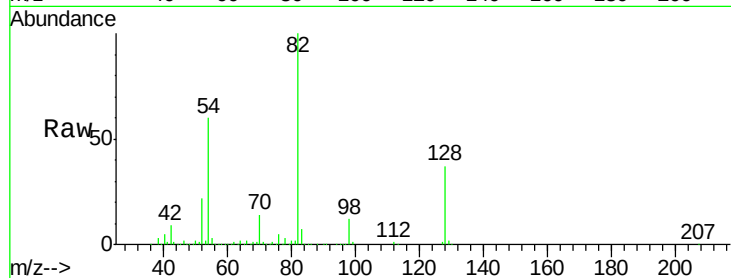




#23
 Nitrobenzene-d5
 Concen: 51.971 ng
 RT: 8.43 min Scan# 968
 Delta R.T. -0.02 min
 Lab File: BM026858.D
 Acq: 23 Jul 2020 19:21

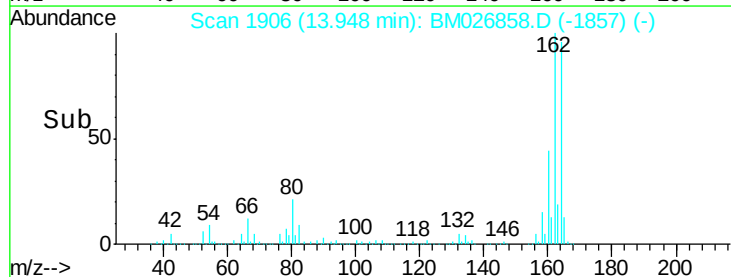
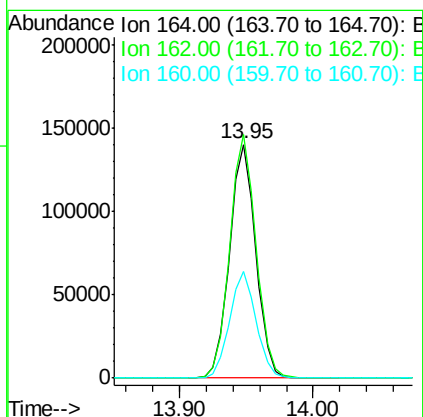
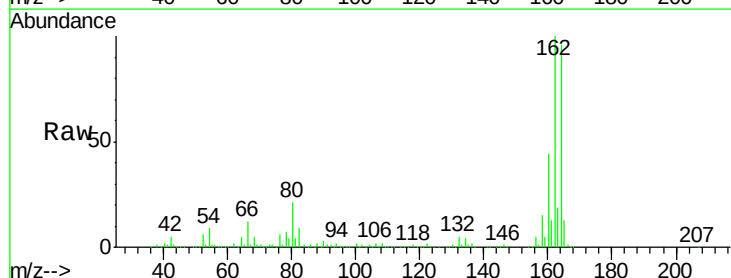
Instrument :
 BNA_M
 ClientSampled :

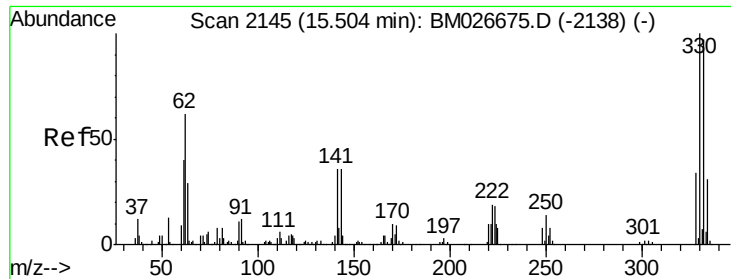
Tot Ion	82	Resp	469530
Ion Ratio	100	Lower	Upper
128	36.7	29.1	43.7
54	60.5	50.2	75.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.95 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BM026858.D
 Acq: 23 Jul 2020 19:21

Tgt Ion	164	Resp	193005
Ion Ratio	100	Lower	Upper
162	104.2	83.7	125.5
160	45.7	36.2	54.2

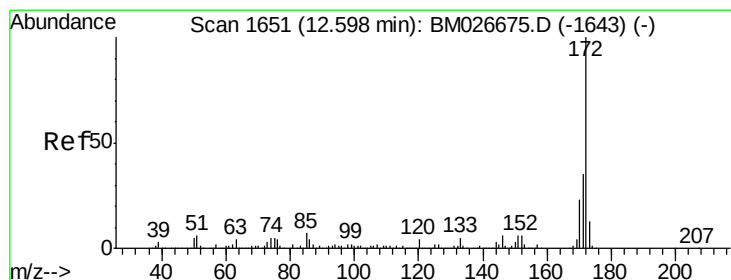
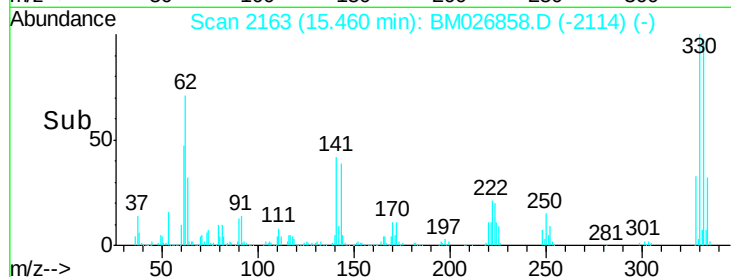
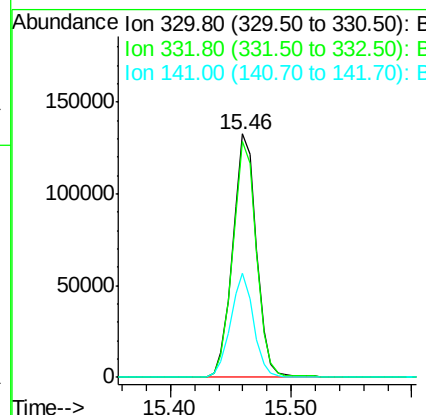
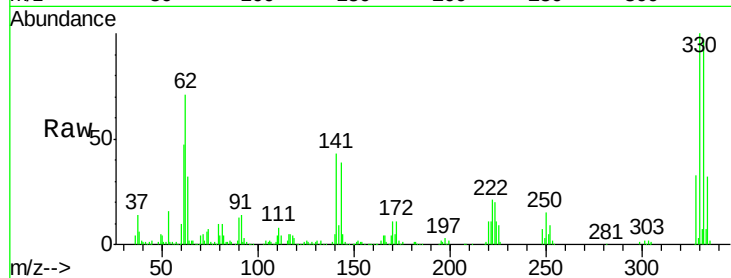




#42
 2,4,6-Tribromophenol
 Concen: 64.646 ng
 RT: 15.46 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BM026858.D
 Acq: 23 Jul 2020 19:21

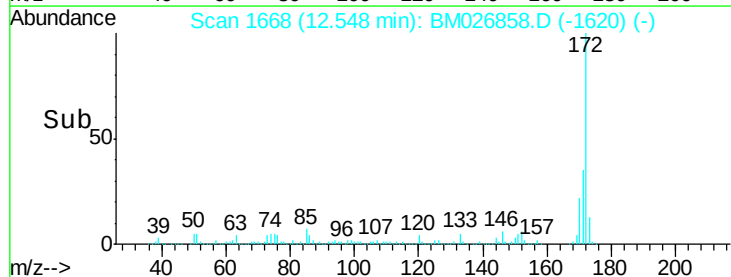
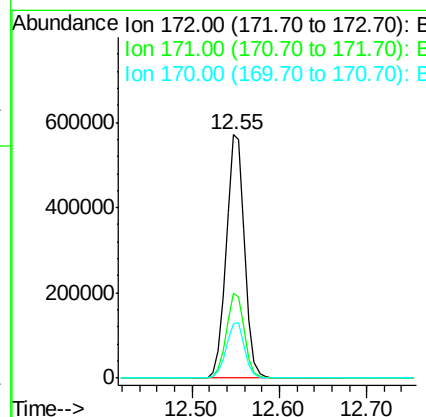
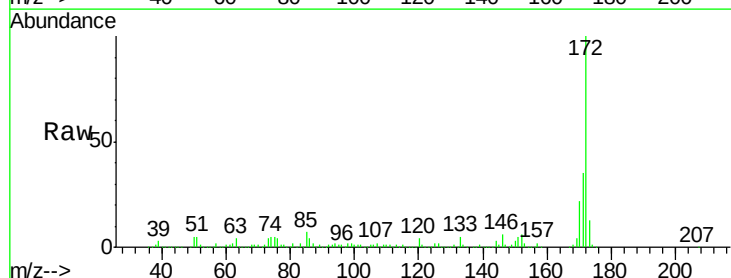
Instrument :
 BNA_M
 ClientSampleId :

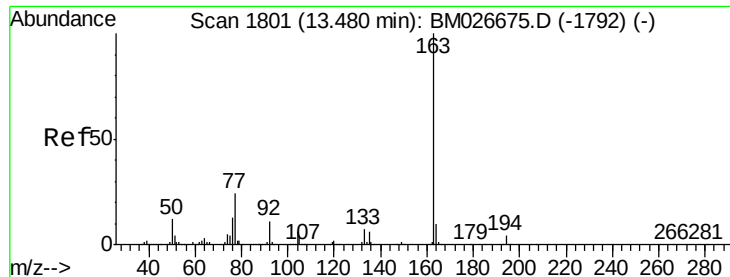
Tot Ion:330 Resp: 181751
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.5 116.3
 141 41.2 32.4 48.6



#45
 2-Fluorobiphenyl
 Concen: 56.876 ng
 RT: 12.55 min Scan# 1668
 Delta R.T. -0.02 min
 Lab File: BM026858.D
 Acq: 23 Jul 2020 19:21

Tgt Ion:172 Resp: 825600
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.6
 170 22.4 18.5 27.7





#50

Dimethylphthalate

Concen: 10.345 ng

RT: 13.42 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

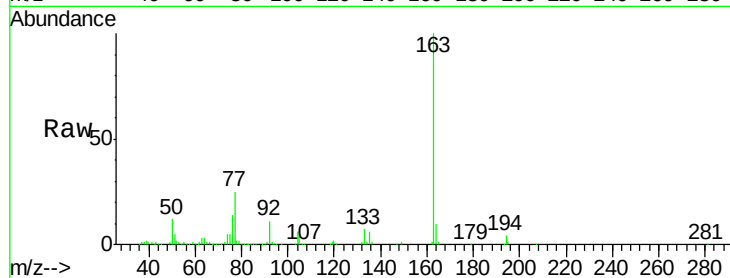
Tot Ion:163 Resp: 170788

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

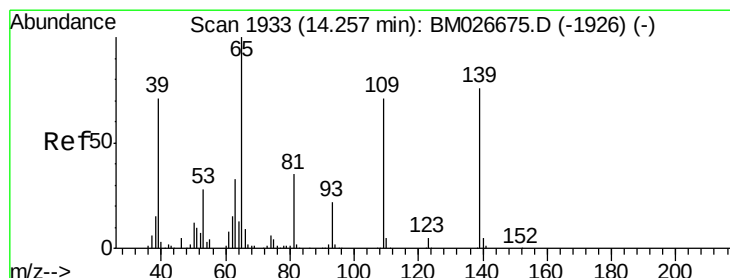
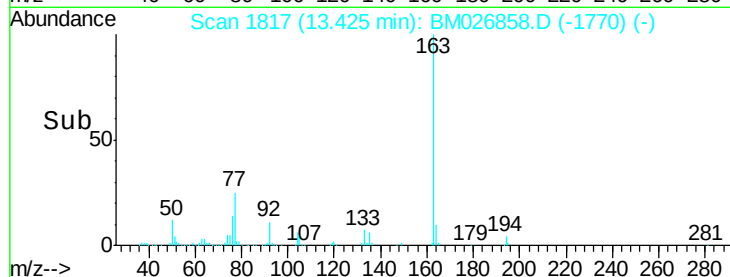
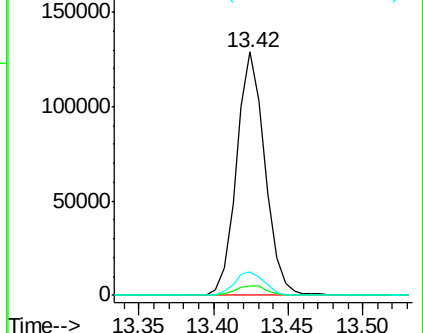
164 9.5 7.8 11.6



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



#56

4-Nitrophenol

Concen: 4.339 ng

RT: 14.36 min Scan# 1976

Delta R.T. 0.12 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

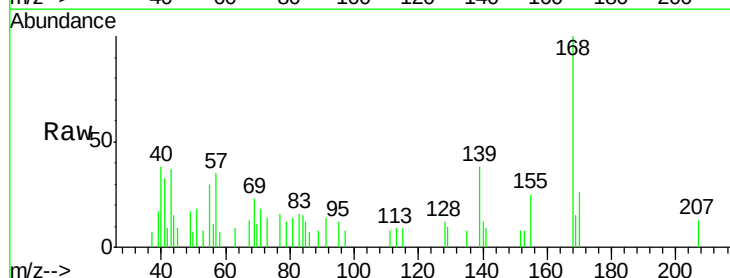
Tgt Ion:139 Resp: 1439

Ion Ratio Lower Upper

139 100

109 0.0 73.7 113.7#

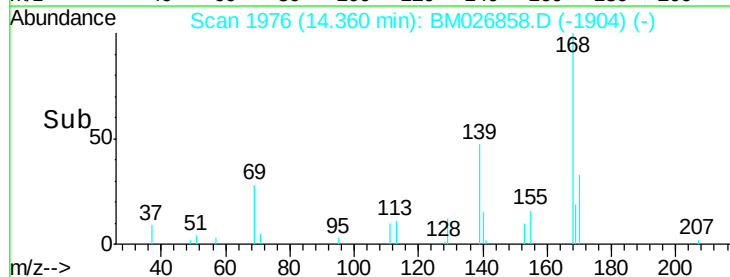
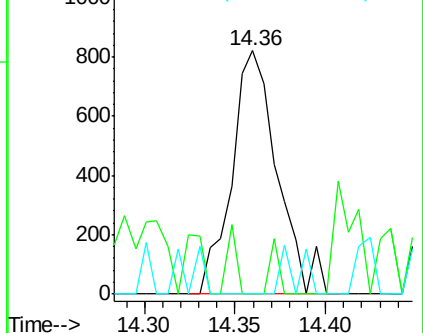
65 0.0 111.5 151.5#

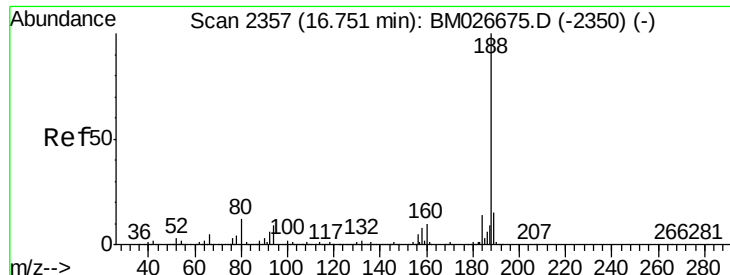


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.71 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

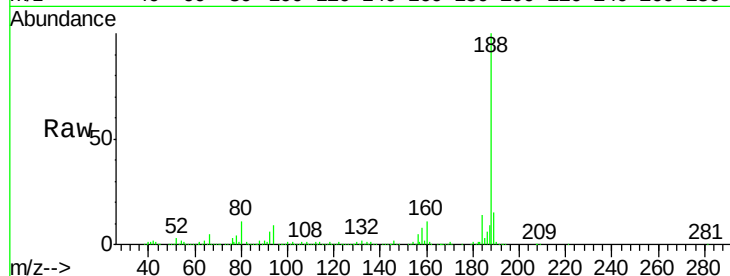
Tot Ion:188 Resp: 356940

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.0

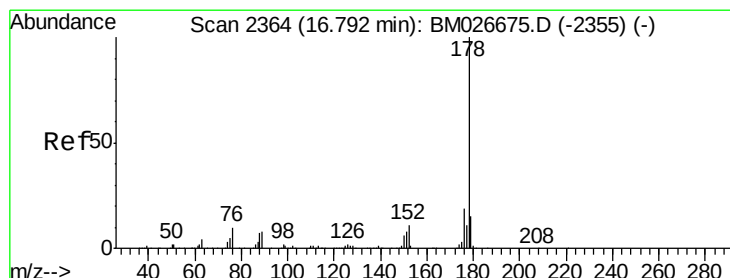
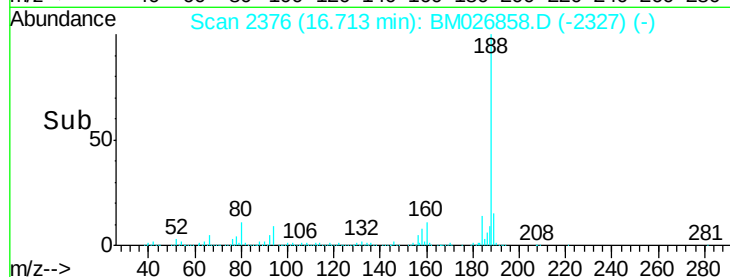
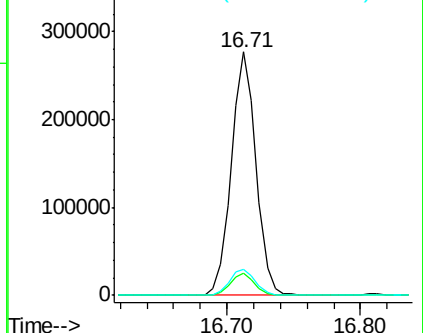
80 10.9 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#71

Phenanthrene

Concen: 2.581 ng

RT: 16.75 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

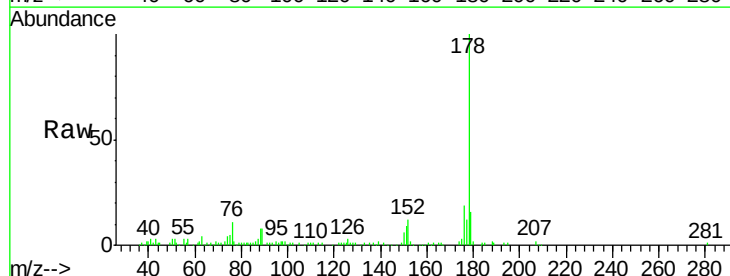
Tgt Ion:178 Resp: 54394

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

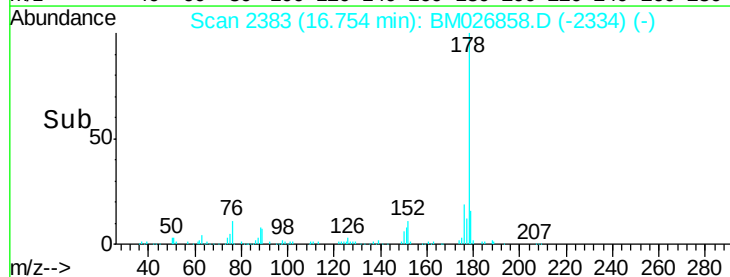
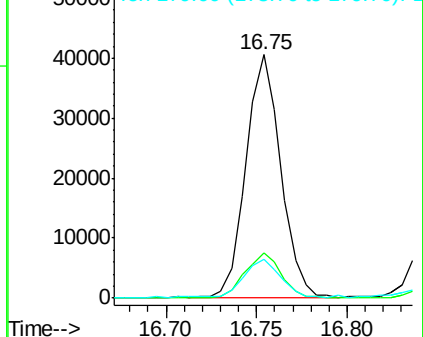
179 15.8 12.1 18.1

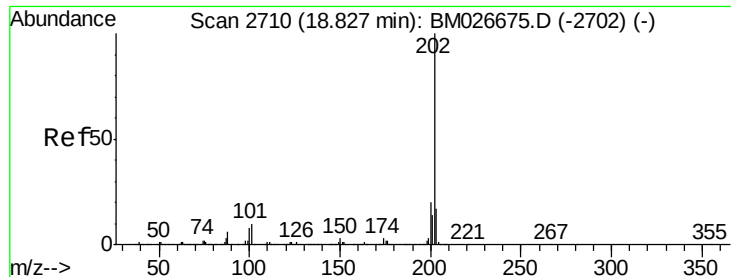


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.290 ng

RT: 18.79 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM026858.D

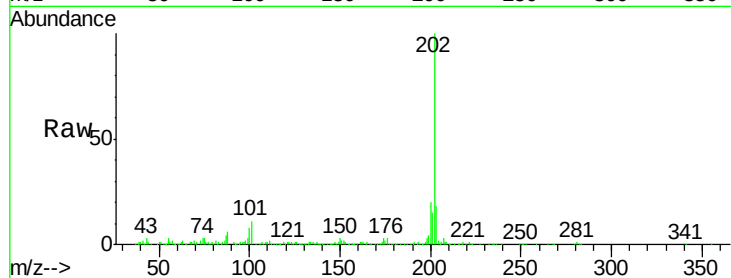
Acq: 23 Jul 2020 19:21

Instrument :

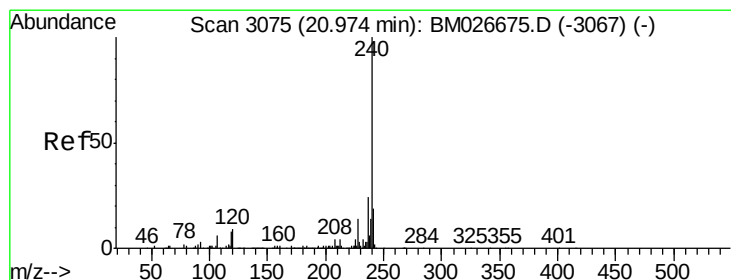
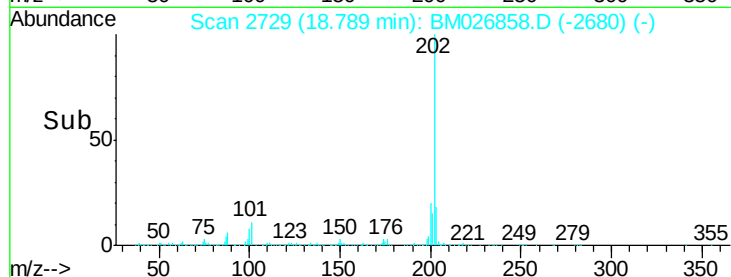
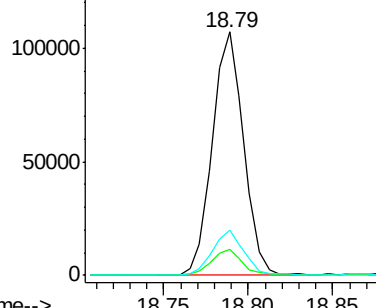
BNA_M

ClientSampled :

Tot Ion:	202	Resp:	137303
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.1
203	18.5	0.0	37.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

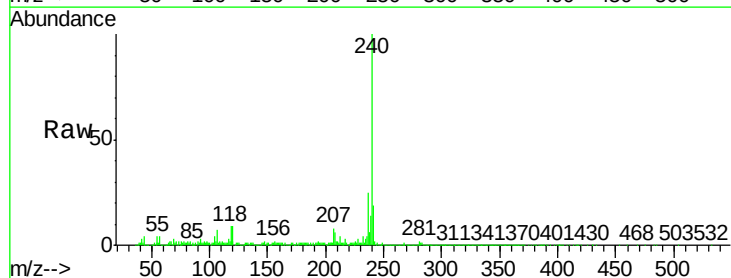
RT: 20.94 min Scan# 3095

Delta R.T. -0.01 min

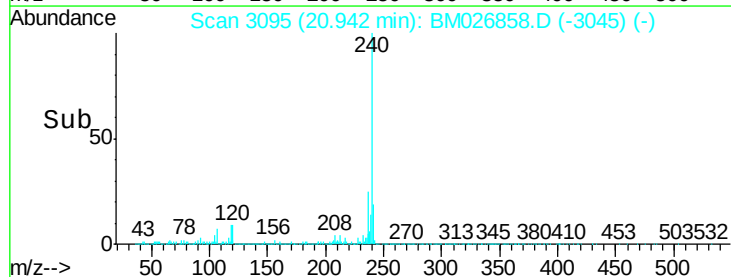
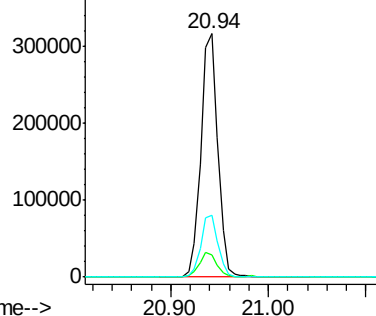
Lab File: BM026858.D

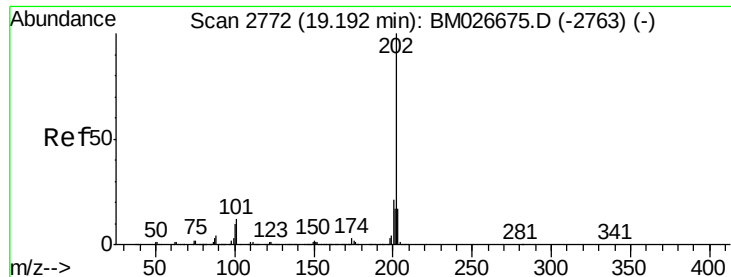
Acq: 23 Jul 2020 19:21

Tgt Ion:	240	Resp:	378875
Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.3	10.9
236	25.1	19.4	29.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.073 ng

RT: 19.15 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

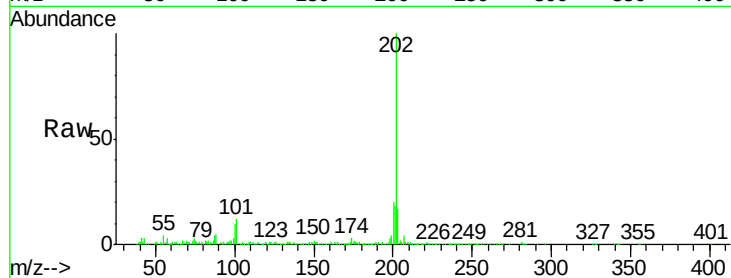
Tot Ion:202 Resp: 144955

Ion Ratio Lower Upper

202 100

200 19.9 16.6 24.8

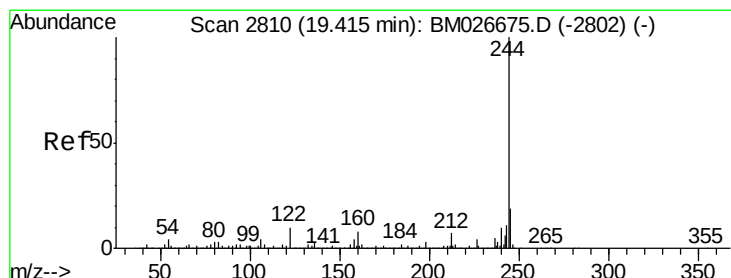
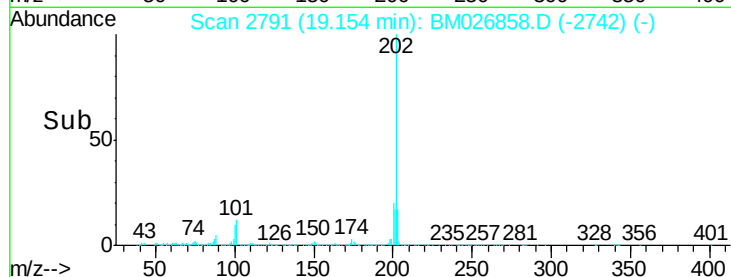
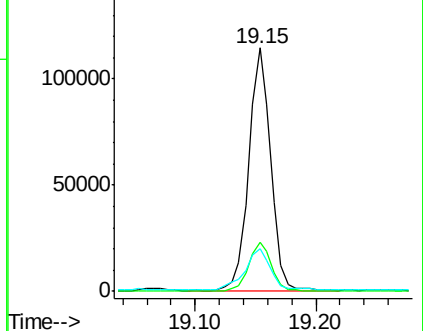
203 17.5 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 47.446 ng

RT: 19.38 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

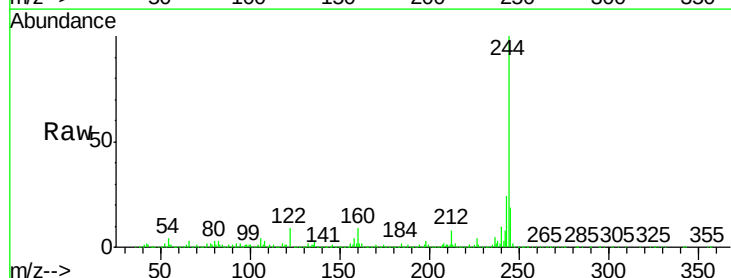
Tgt Ion:244 Resp: 913412

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

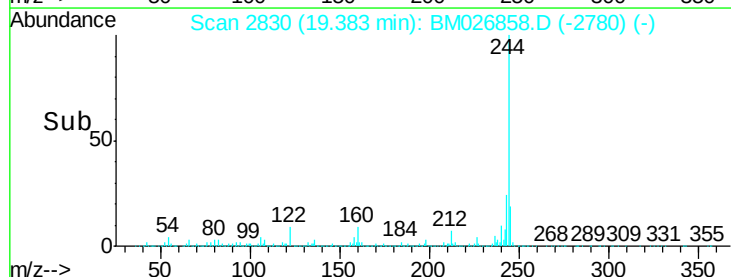
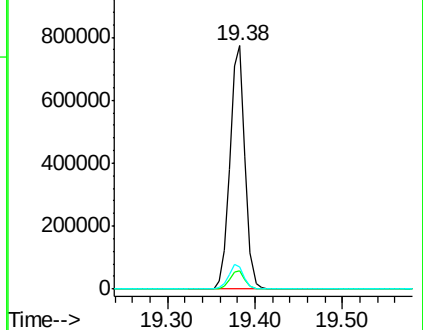
122 9.3 8.2 12.4

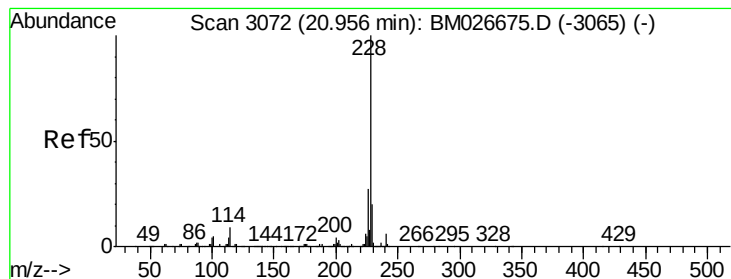


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.030 ng

RT: 20.92 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

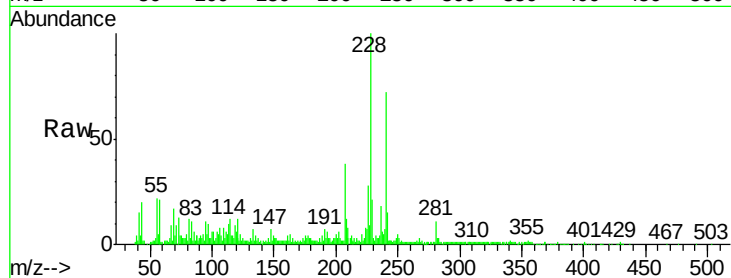
Tot Ion:228 Resp: 77109

Ion Ratio Lower Upper

228 100

226 27.9 21.4 32.2

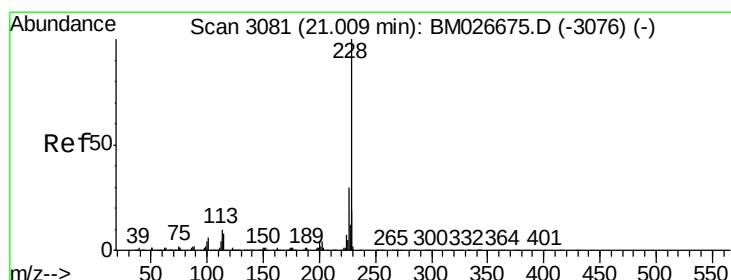
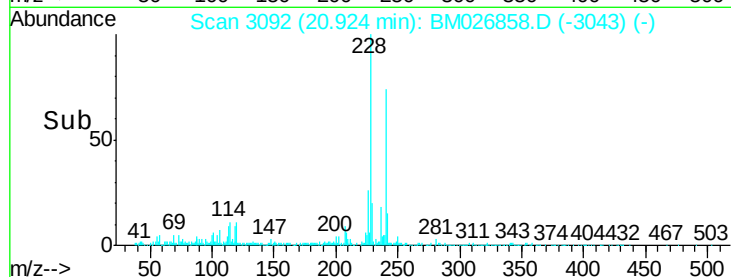
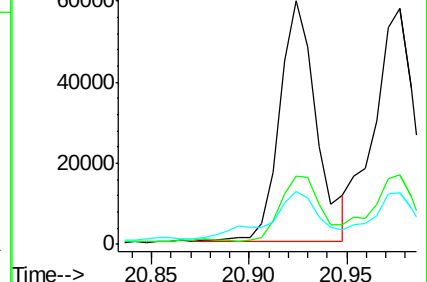
229 21.5 15.6 23.4



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



#83

Chrysene

Concen: 3.346 ng

RT: 20.98 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

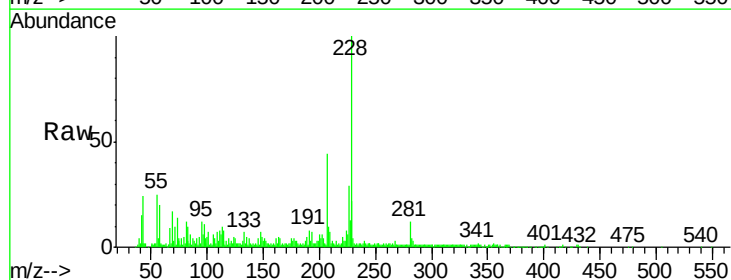
Tgt Ion:228 Resp: 82881

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

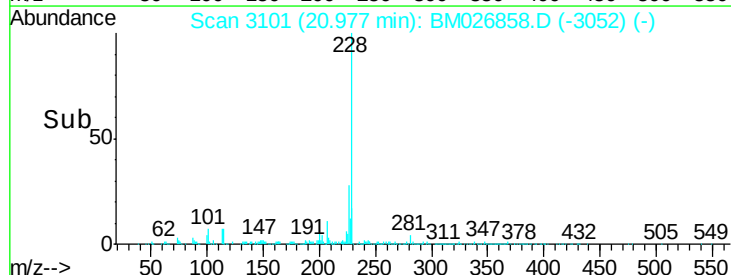
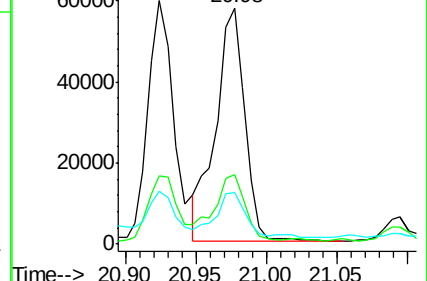
229 22.0 15.4 23.0

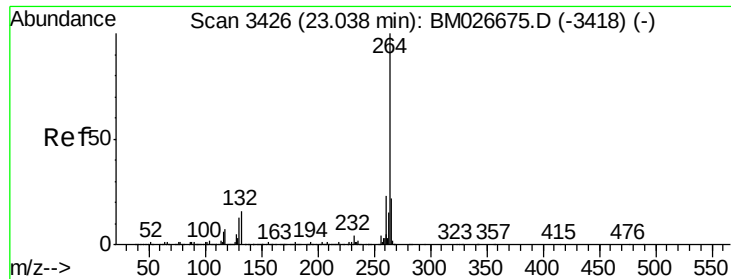


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



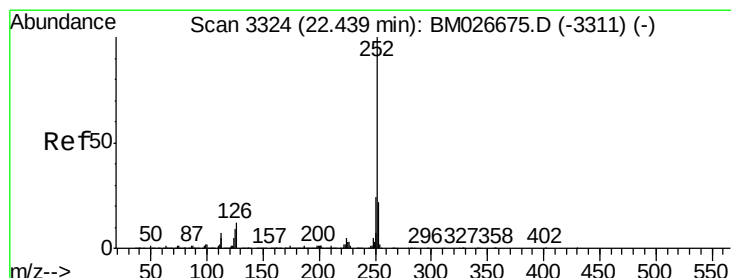
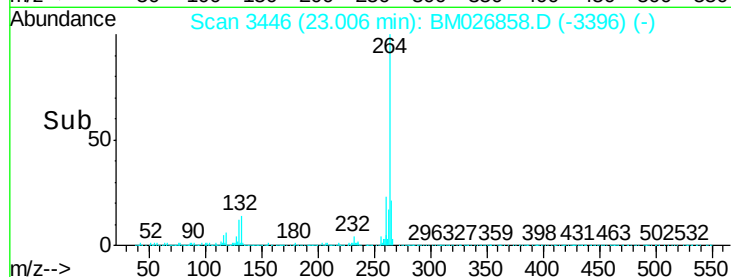
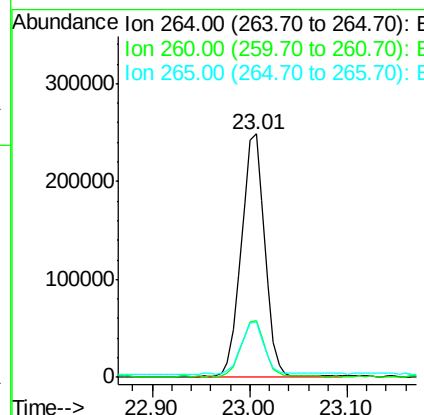
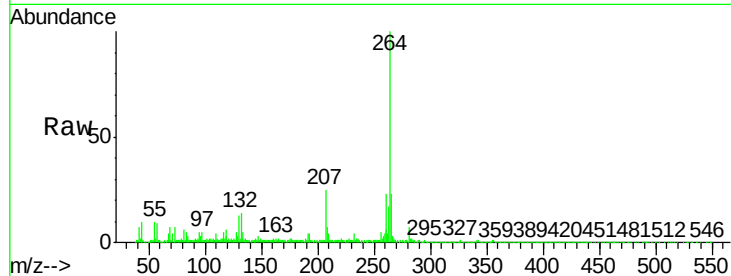


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM026858.D
Acq: 23 Jul 2020 19:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion:264 Resp: 413222

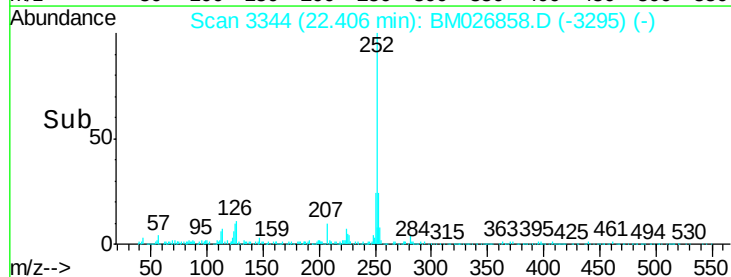
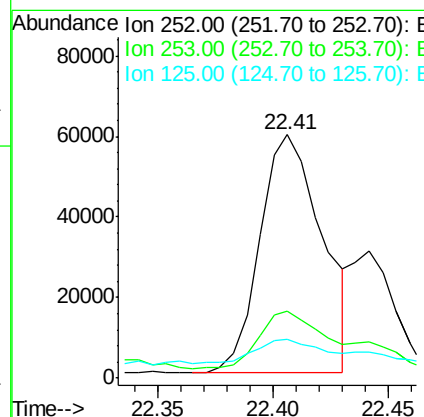
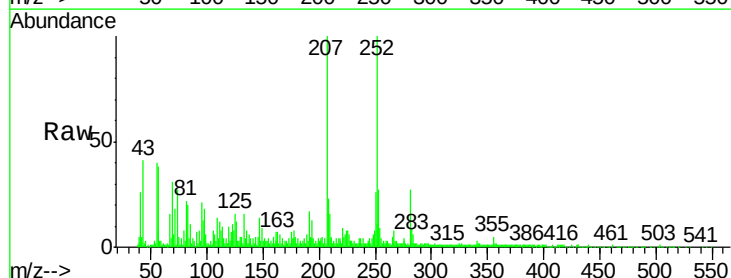
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	22.5	17.6	26.4

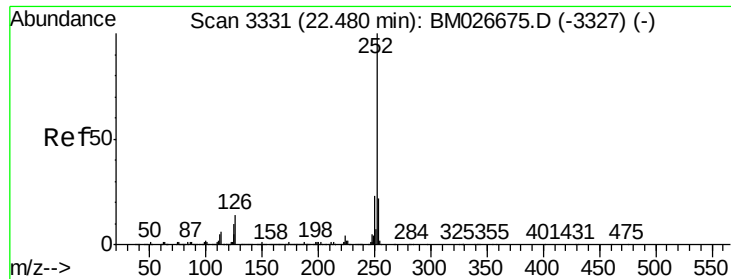


#88
Benzo(b)fluoranthene
Concen: 4.064 ng
RT: 22.41 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BM026858.D
Acq: 23 Jul 2020 19:21

Tgt Ion:252 Resp: 110650

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.5	26.3#
125	15.7	7.5	11.3#





#89

Benzo(k)fluoranthene

Concen: 4.143 ng

RT: 22.41 min Scan# 3344

Delta R.T. -0.05 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

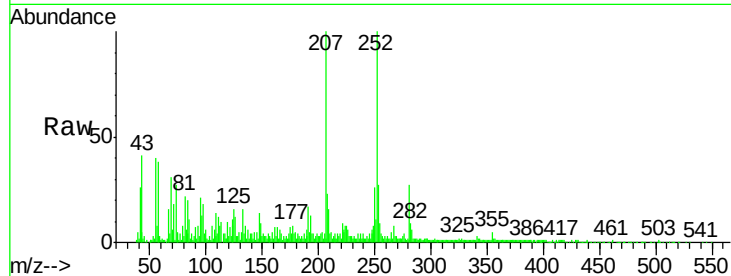
Tot Ion:252 Resp: 110650

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

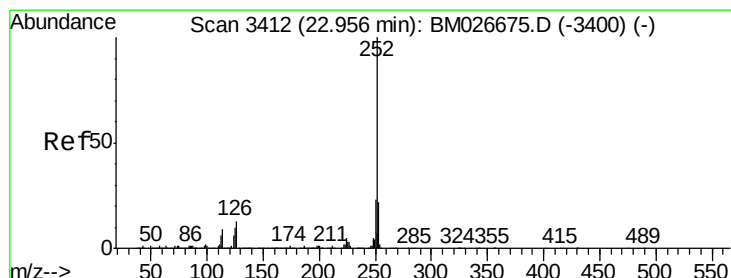
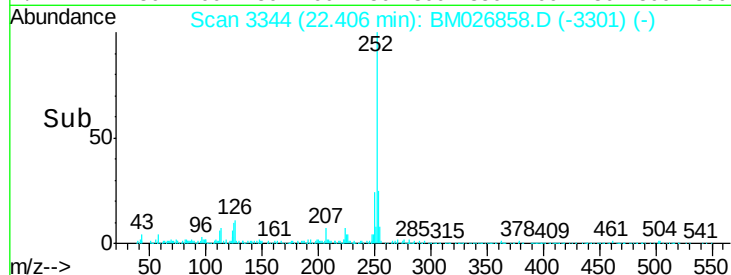
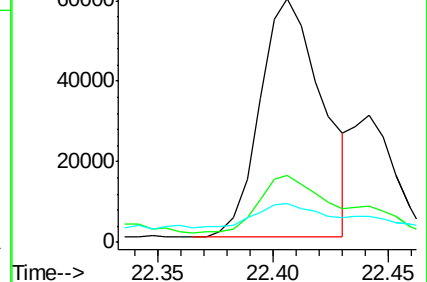
125 15.7 7.8 11.8#



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



#90

Benzo(a)pyrene

Concen: 3.026 ng

RT: 22.92 min Scan# 3431

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

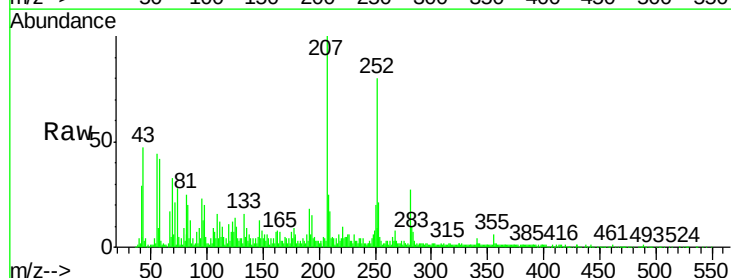
Tgt Ion:252 Resp: 76490

Ion Ratio Lower Upper

252 100

253 26.2 17.4 26.2#

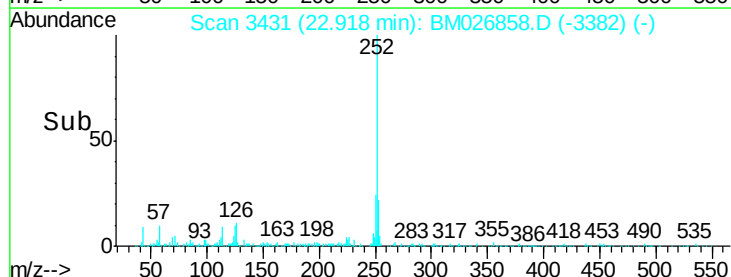
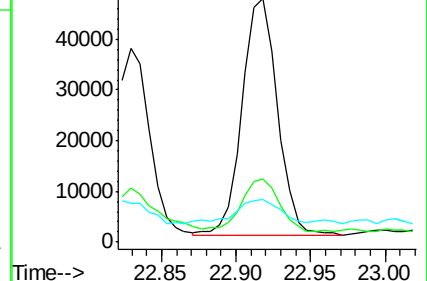
125 17.7 8.2 12.4#

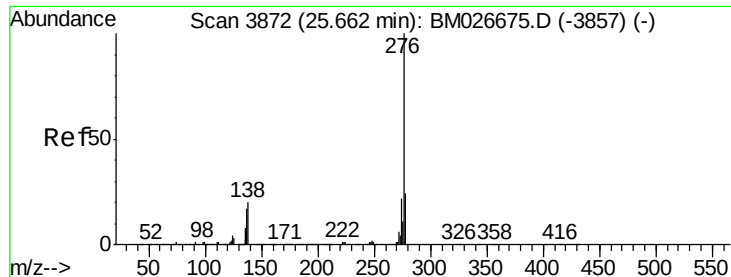


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.536 ng

RT: 25.60 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BM026858.D

Acq: 23 Jul 2020 19:21

Instrument :

BNA_M

ClientSampleId :

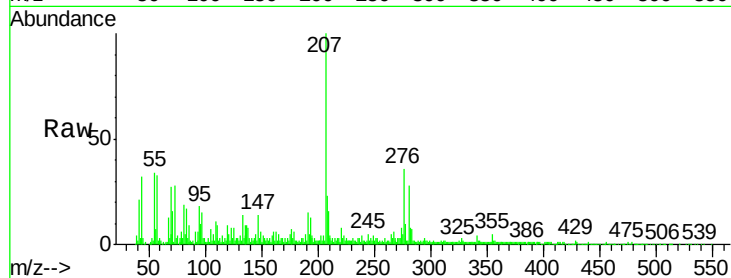
Tot Ion: 276 Resp: 58035

Ion Ratio Lower Upper

276 100

277 29.0 19.1 28.7#

138 21.3 15.8 23.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

