

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
 Data File : BM026370.D
 Acq On : 12 Jun 2020 03:02
 Operator : JU/CG
 Sample : L2810-01DL2 4X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920DL

Quant Time: Jun 12 04:02:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 14:46:47 2020
 Response via : Initial Calibration

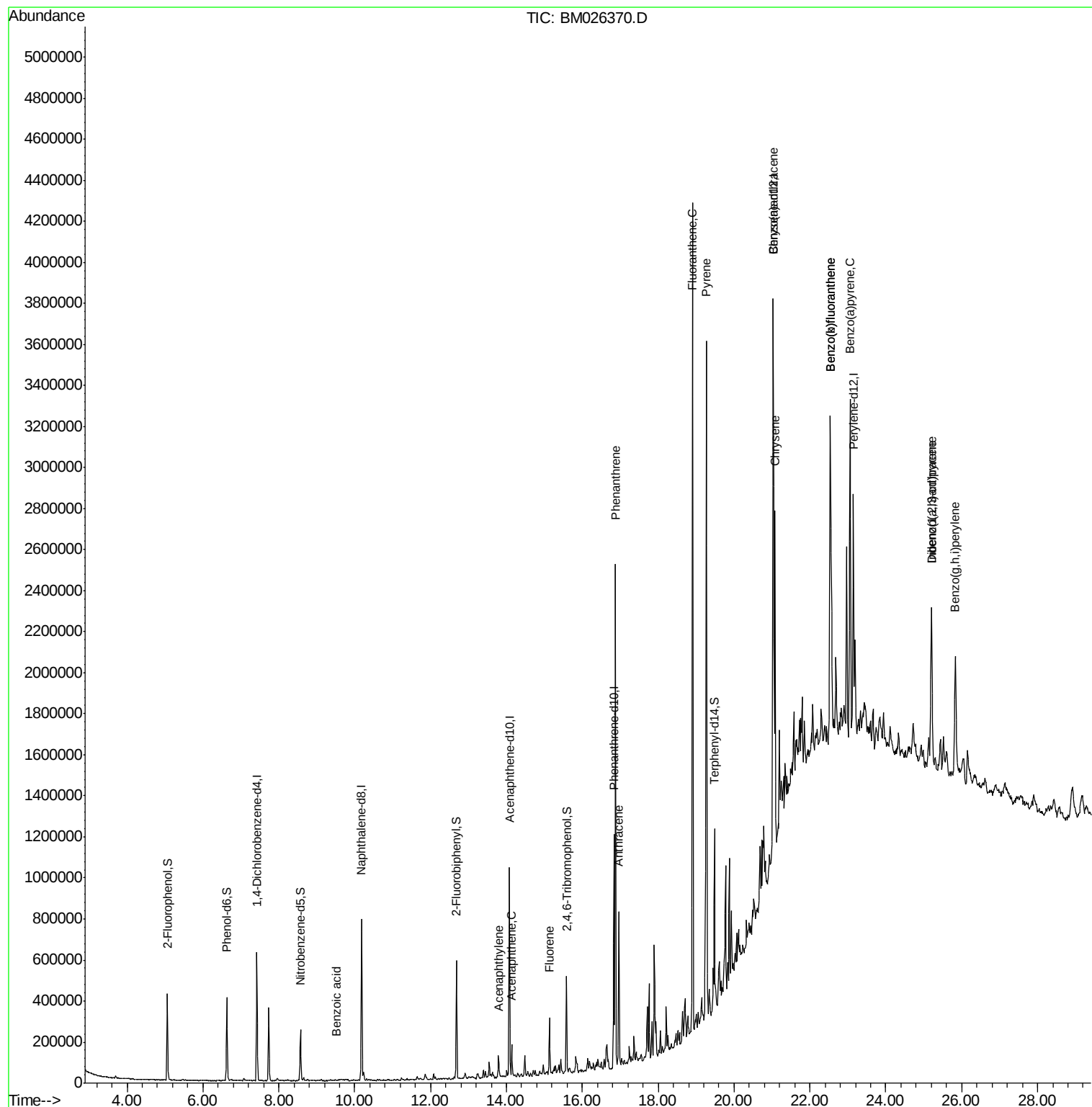
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	148456	20.00	ng	0.00
21) Naphthalene-d8	10.18	136	574026	20.00	ng	0.00
39) Acenaphthene-d10	14.07	164	317726	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	627734	20.00	ng	0.00
76) Chrysene-d12	21.04	240	671029	20.00	ng	0.00
86) Perylene-d12	23.14	264	746439	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	161037	19.18	ng	0.00
7) Phenol-d6	6.63	99	211897	17.43	ng	0.00
23) Nitrobenzene-d5	8.57	82	140020	11.98	ng	0.00
42) 2,4,6-Tribromophenol	15.58	330	67492	17.54	ng	0.00
45) 2-Fluorobiphenyl	12.69	172	286759	13.70	ng	0.00
79) Terphenyl-d14	19.49	244	405722	11.74	ng	0.00
Target Compounds						
32) Benzoic acid	9.52	122	55	5.171	ng	Qvalue # 40
49) Acenaphthylene	13.79	152	80629	2.786	ng	99
52) Acenaphthene	14.14	154	50295	2.895	ng	95
58) Fluorene	15.13	166	109903	4.834	ng	99
71) Phenanthrene	16.87	178	1324111	40.506	ng	100
72) Anthracene	16.96	178	430357	13.191	ng	100
75) Fluoranthene	18.90	202	2226442	59.406	ng	100
78) Pyrene	19.27	202	1912867	43.144	ng	100
81) Benzo(a)anthracene	21.03	228	1106145	27.463	ng	98
83) Chrysene	21.08	228	879319	22.909	ng	98
87) Indeno(1,2,3-cd)pyrene	25.21	276	637100	14.755	ng	96
88) Benzo(b)fluoranthene	22.53	252	1688381	37.601	ng	# 96
89) Benzo(k)fluoranthene	22.53	252	1688381	38.703	ng	# 95
90) Benzo(a)pyrene	23.06	252	986064	24.725	ng	98
91) Dibenzo(a,h)anthracene	25.21	278	162606	4.511	ng	# 81
92) Benzo(g,h,i)perylene	25.83	276	618789	18.039	ng	98

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

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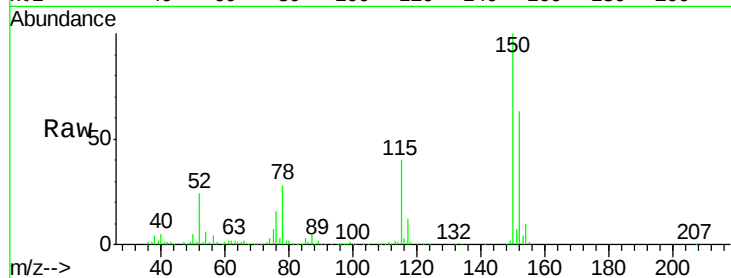


#1

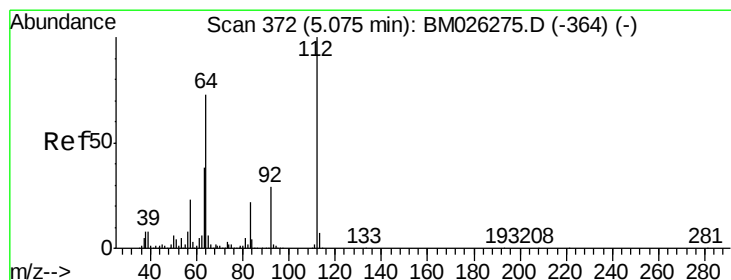
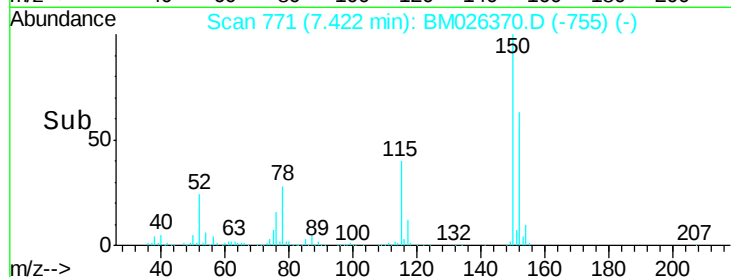
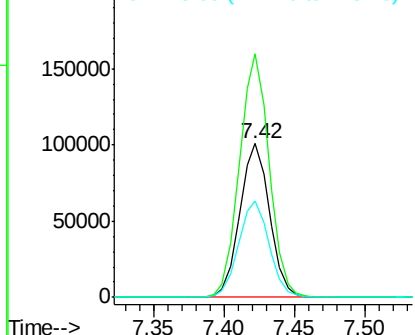
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Instrument :
BNA_M
ClientSampleId :
CL-02-060920DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.1	183.1
115	63.1	49.7	74.5



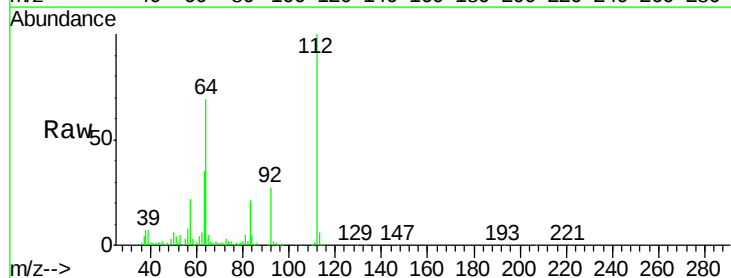
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



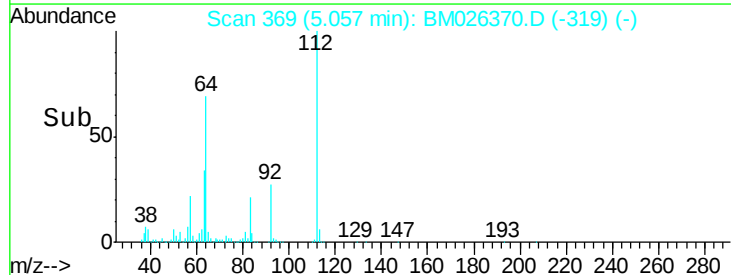
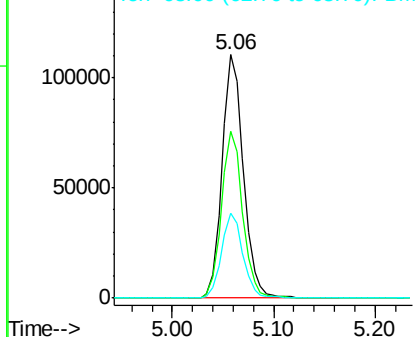
#5

2-Fluorophenol
Concen: 19.179 ng
RT: 5.06 min Scan# 369
Delta R.T. -0.01 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	58.1	87.1
63	34.6	30.6	45.8



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: 17.427 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

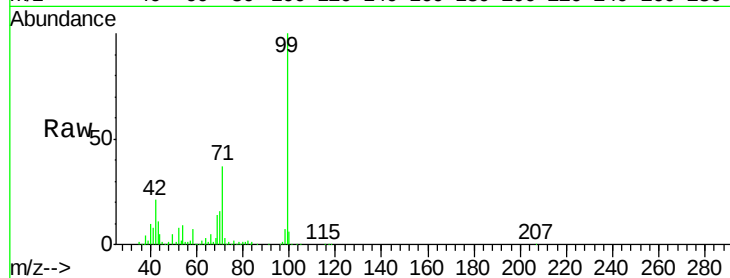
Tot Ion: 99 Resp: 211897

Ion Ratio Lower Upper

99 100

42 21.2 18.0 27.0

71 37.2 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BM026370.D (-586) (-)

Ion 42.00 (41.70 to 42.70): BM026370.D (-586) (-)

Ion 71.00 (70.70 to 71.70): BM026370.D (-586) (-)

150000

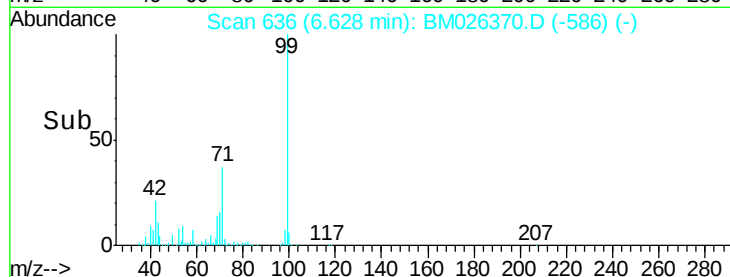
100000

50000

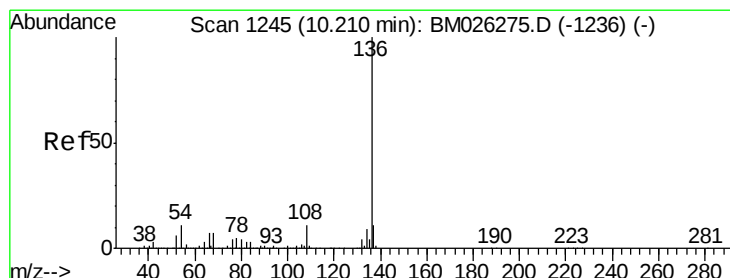
0

6.63

6.60 6.70



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Tgt Ion: 136 Resp: 574026

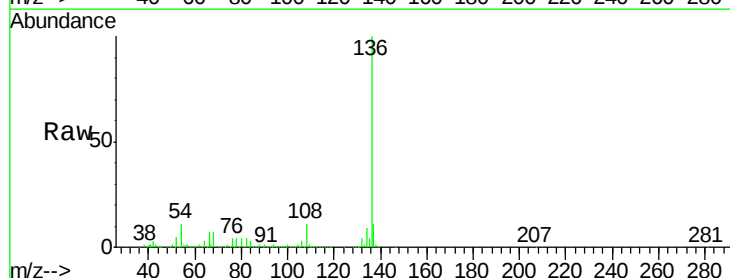
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 10.8 9.0 13.4

68 7.0 5.6 8.4



Abundance Ion 136.00 (135.70 to 136.70): BM026370.D (-1190) (-)

Ion 137.00 (136.70 to 137.70): BM026370.D (-1190) (-)

Ion 54.00 (53.70 to 54.70): BM026370.D (-1190) (-)

Ion 68.00 (67.70 to 68.70): BM026370.D (-1190) (-)

500000

400000

300000

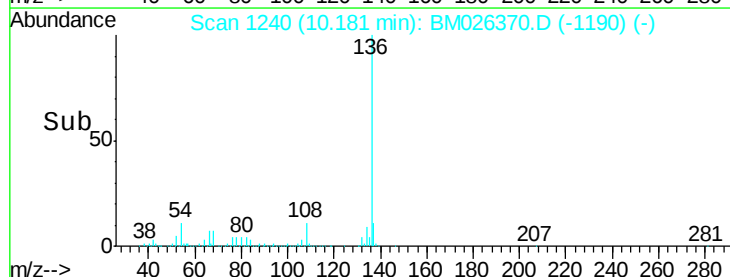
200000

100000

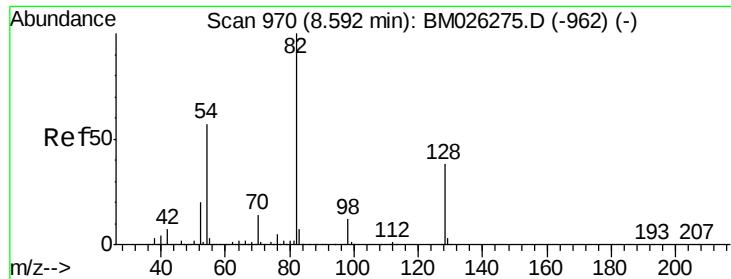
0

10.18

10.10 10.20 10.30



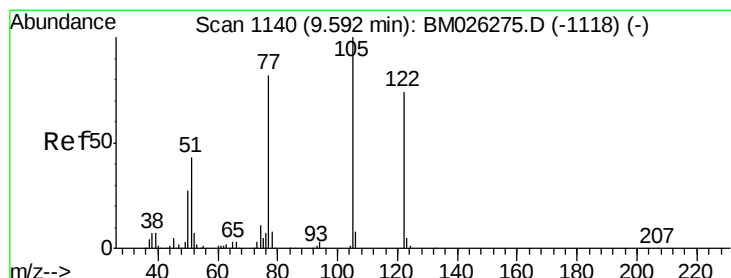
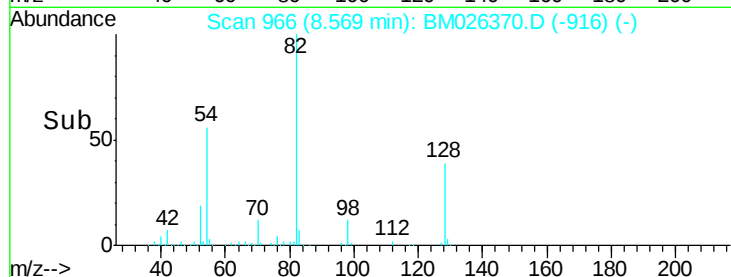
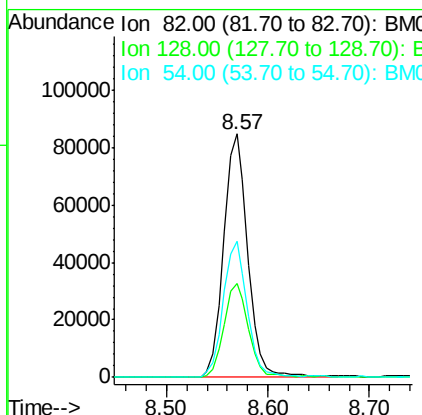
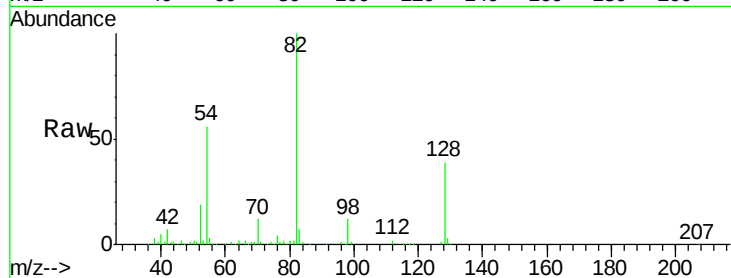
Time-->



#23
 Nitrobenzene-d5
 Concen: 11.977 ng
 RT: 8.57 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BM026370.D
 Acq: 12 Jun 2020 03:02

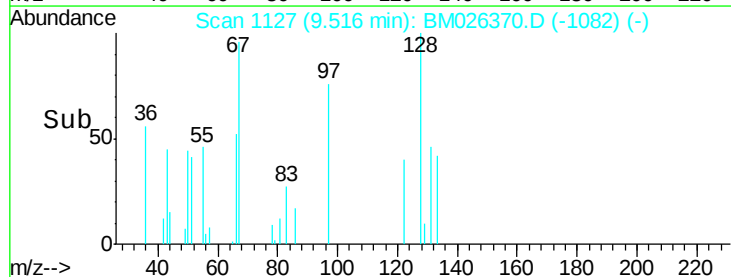
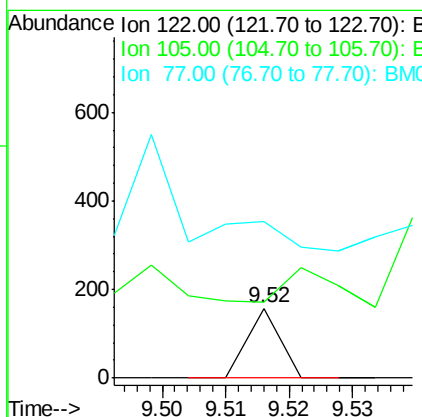
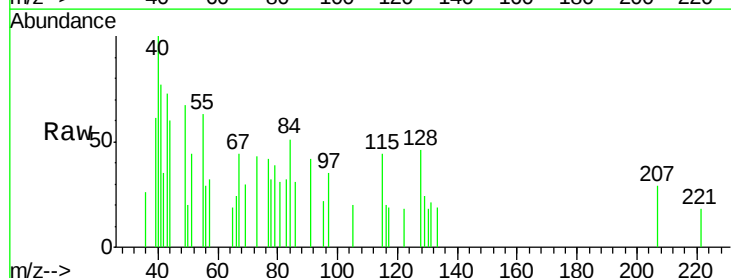
Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920DL

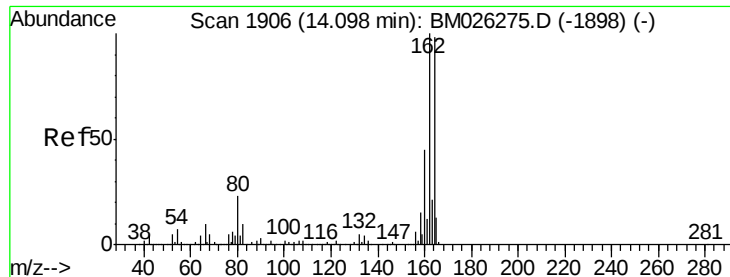
Tot Ion	82	Resp	140020
Ion Ratio	Lower	Upper	
82	100		
128	38.8	30.3	45.5
54	55.7	45.4	68.2



#32
 Benzoic acid
 Concen: 5.171 ng
 RT: 9.52 min Scan# 1127
 Delta R.T. -0.04 min
 Lab File: BM026370.D
 Acq: 12 Jun 2020 03:02

Tgt Ion	122	Resp	55
Ion Ratio	Lower	Upper	
122	100		
105	109.6	112.4	152.4#
77	225.5	89.8	129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.07 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

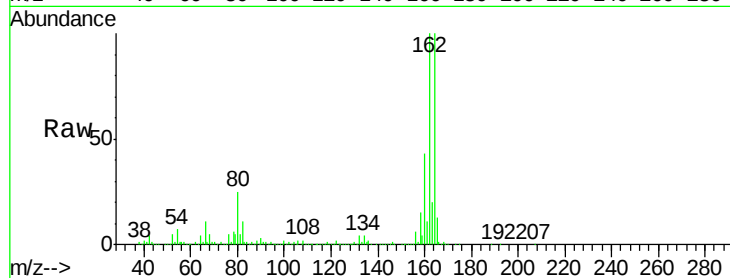
Tot Ion:164 Resp: 317726

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.2

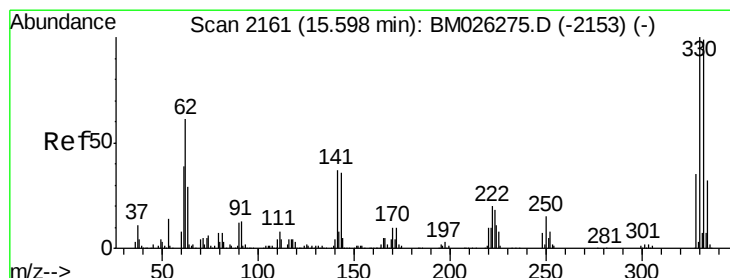
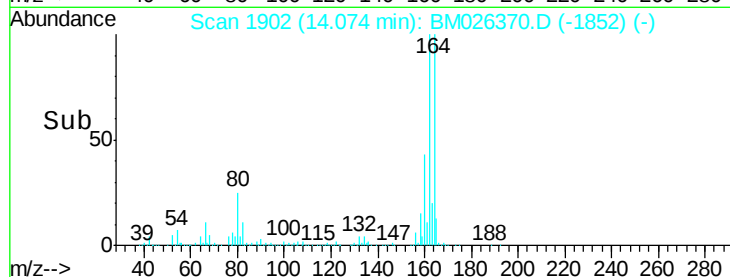
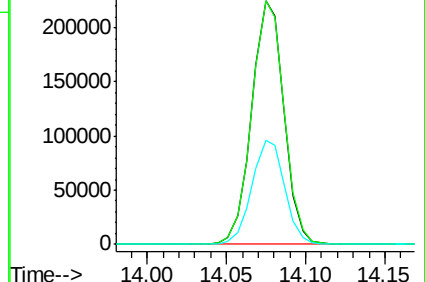
160 42.6 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 17.536 ng

RT: 15.58 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

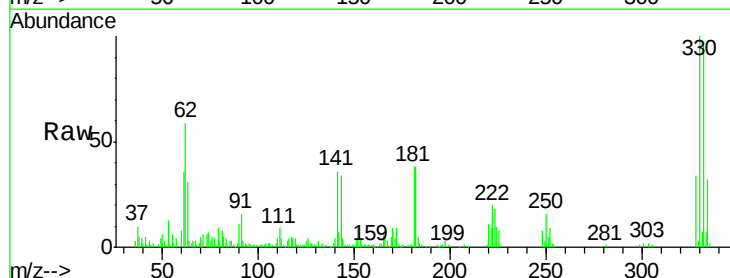
Tgt Ion:330 Resp: 67492

Ion Ratio Lower Upper

330 100

332 95.8 78.1 117.1

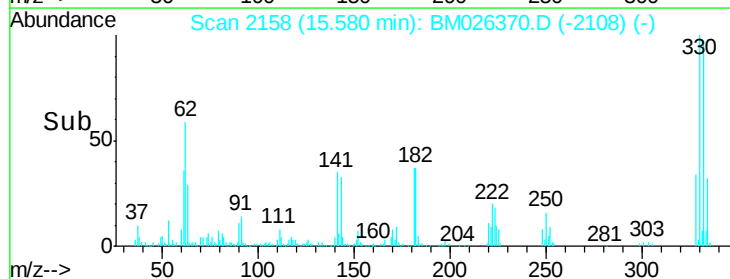
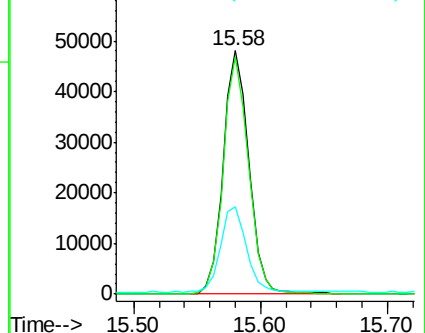
141 35.3 30.0 45.0

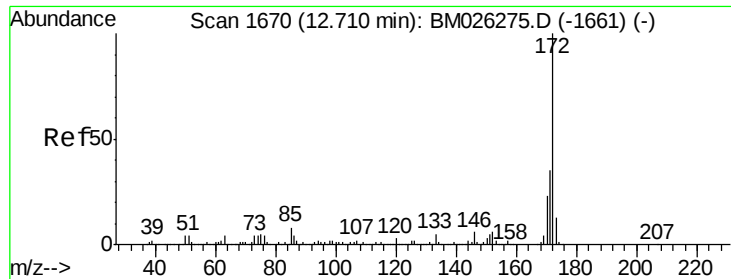


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

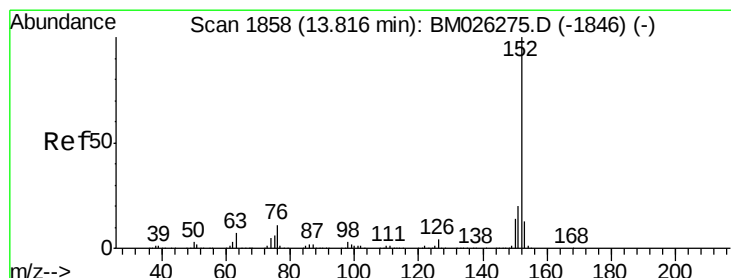
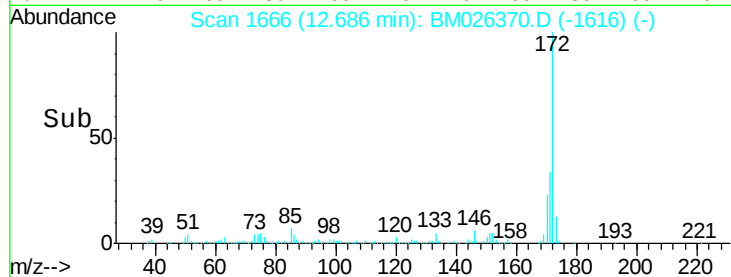
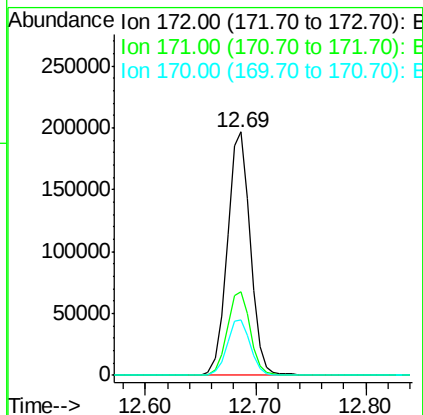
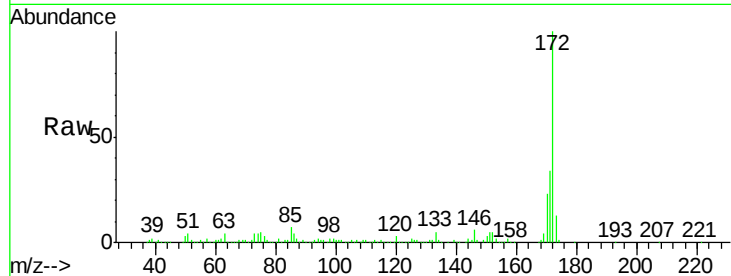




#45
2-Fluorobiphenyl
Concen: 13.700 ng
RT: 12.69 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

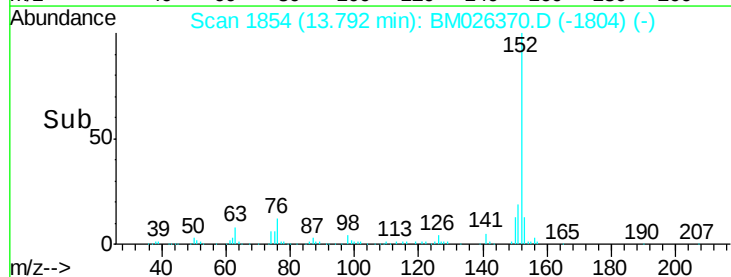
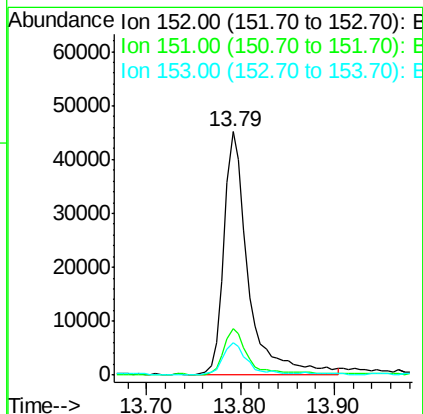
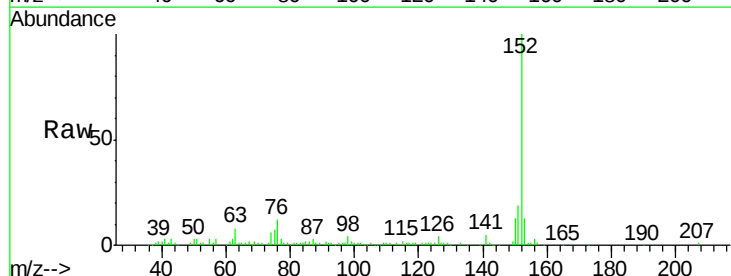
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CL-02-060920DL

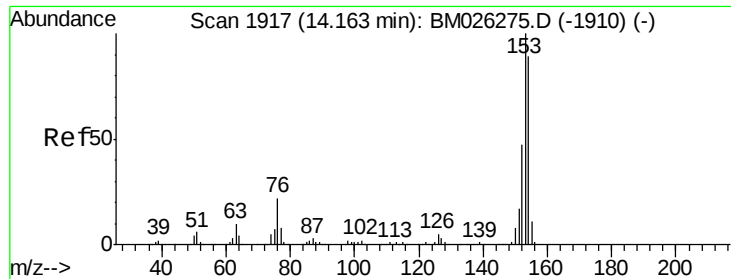
Tot Ion:172 Resp: 286759
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 22.7 18.3 27.5



#49
Acenaphthylene
Concen: 2.786 ng
RT: 13.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Tgt Ion:152 Resp: 80629
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.1 10.2 15.4





#52

Acenaphthene

Concen: 2.895 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

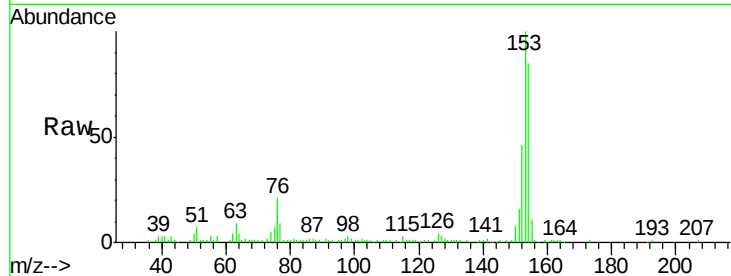
Tot Ion:154 Resp: 50295

Ion Ratio Lower Upper

154 100

153 118.3 89.6 134.4

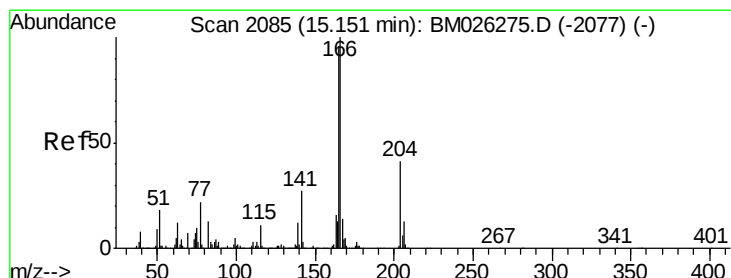
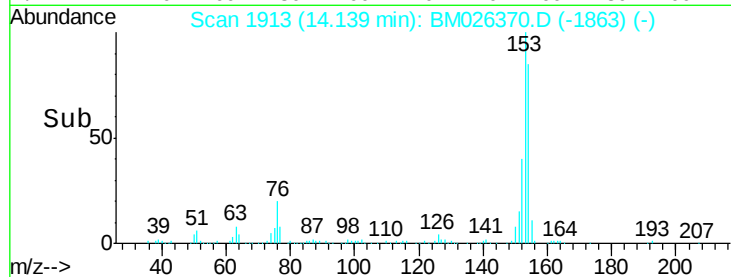
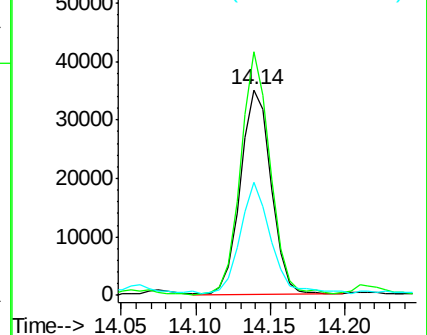
152 54.7 42.1 63.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 4.834 ng

RT: 15.13 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

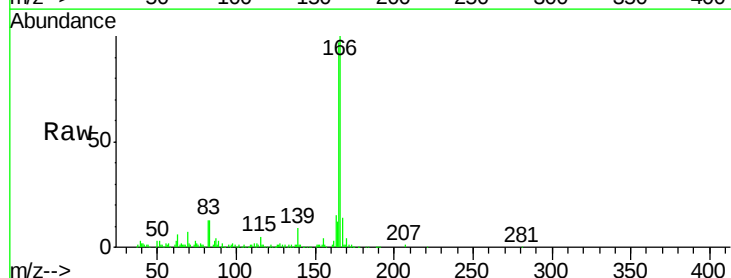
Tgt Ion:166 Resp: 109903

Ion Ratio Lower Upper

166 100

165 97.3 76.7 115.1

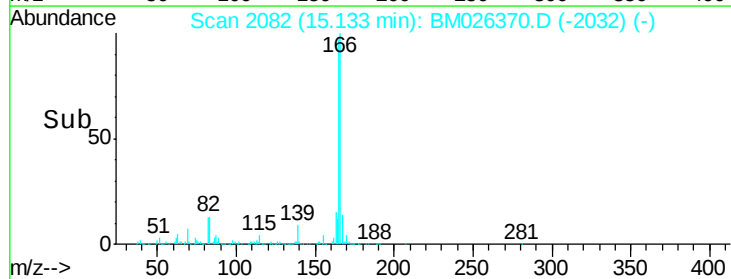
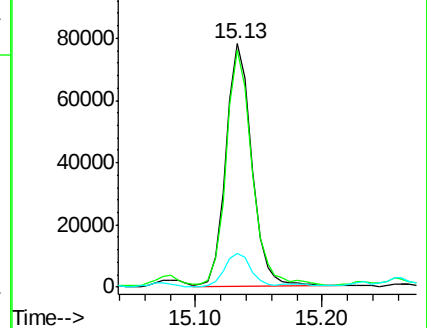
167 14.1 11.0 16.4

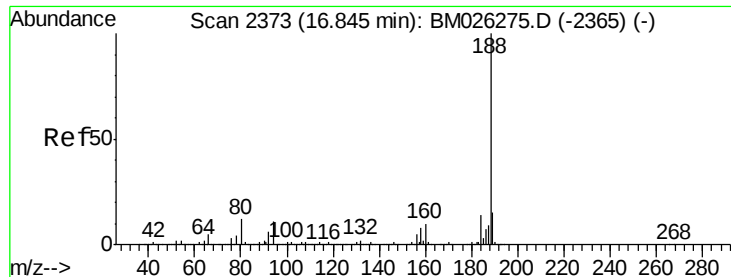


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

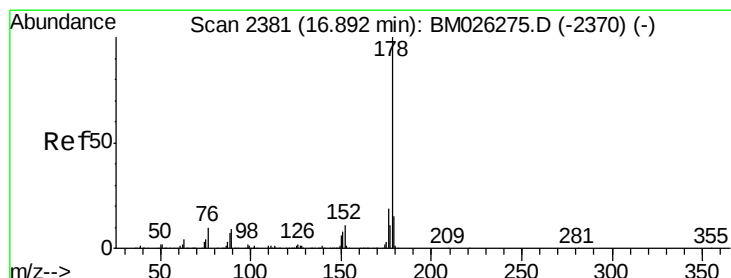
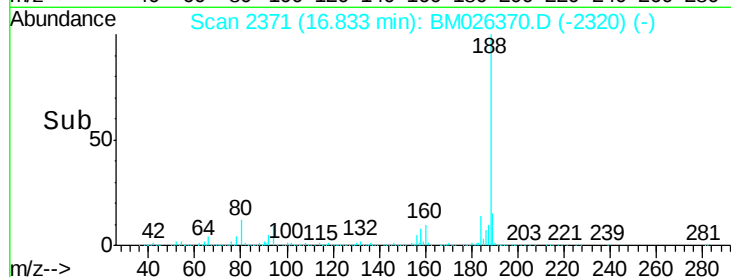
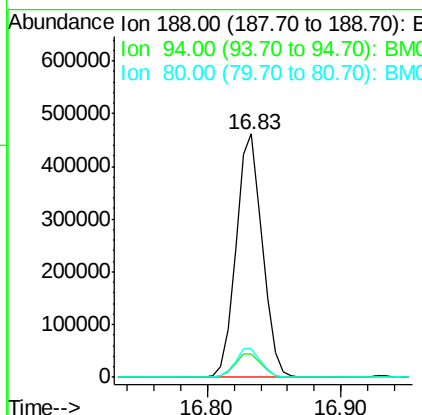
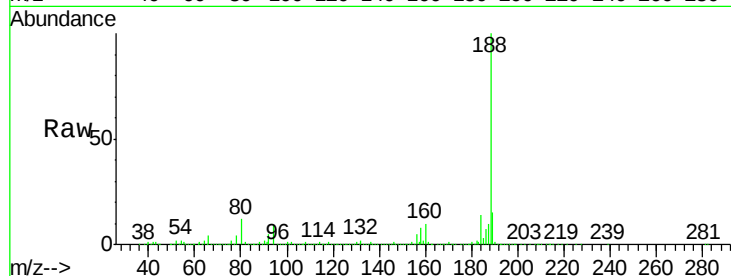




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

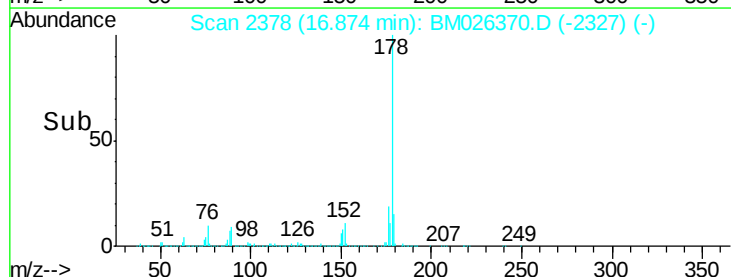
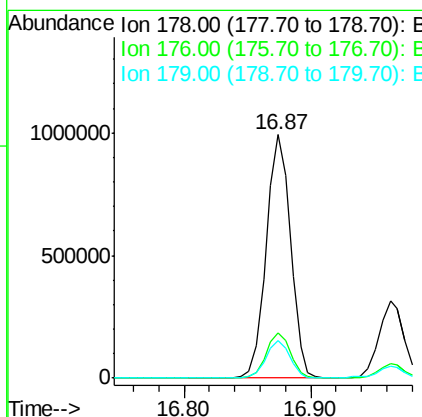
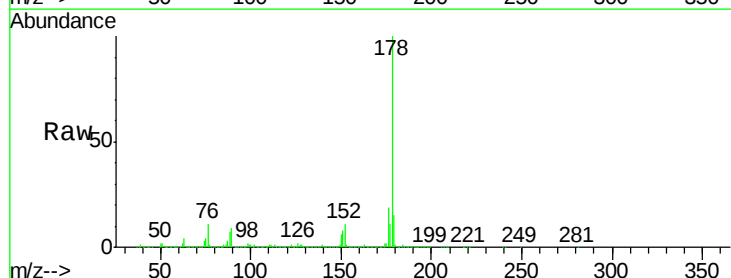
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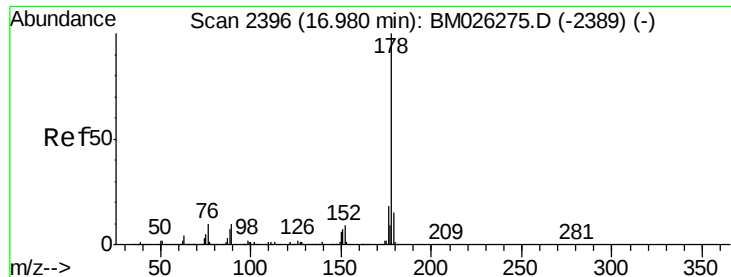
Tot Ion:188 Resp: 627734
Ion Ratio Lower Upper
188 100
94 9.4 8.6 12.8
80 11.9 9.7 14.5



#71
Phenanthrene
Concen: 40.506 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.00 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Tgt Ion:178 Resp: 1324111
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.2 12.0 18.0





#72

Anthracene

Concen: 13.191 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

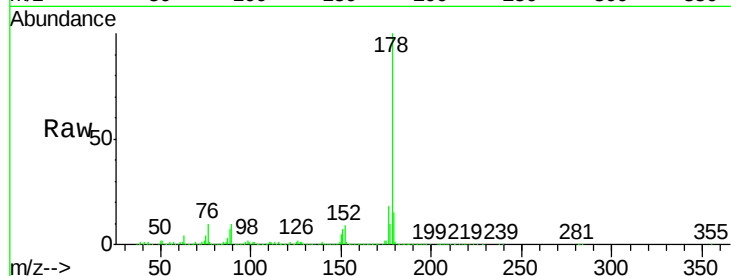
Tot Ion:178 Resp: 430357

Ion Ratio Lower Upper

178 100

176 18.1 14.4 21.6

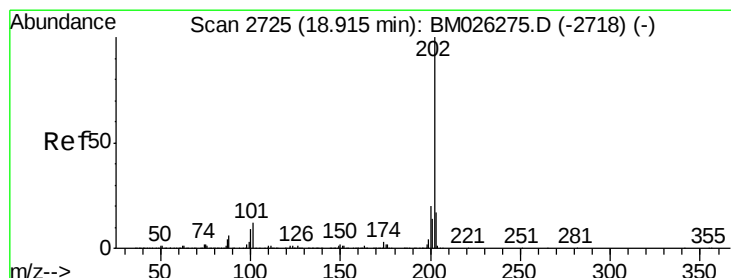
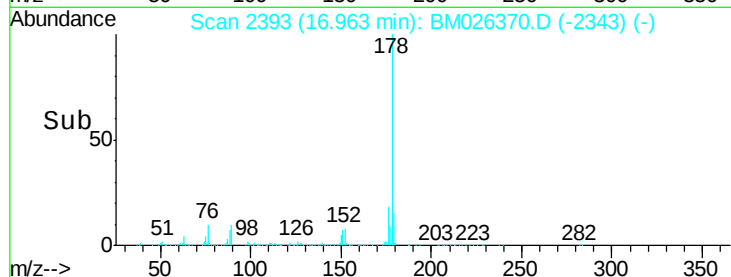
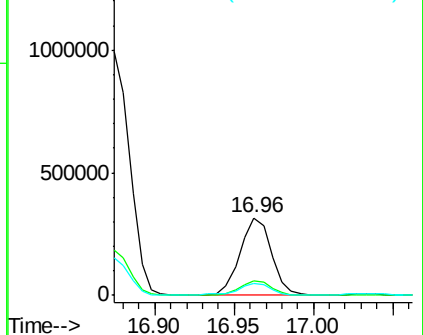
179 15.3 12.2 18.4



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: 59.406 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.00 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

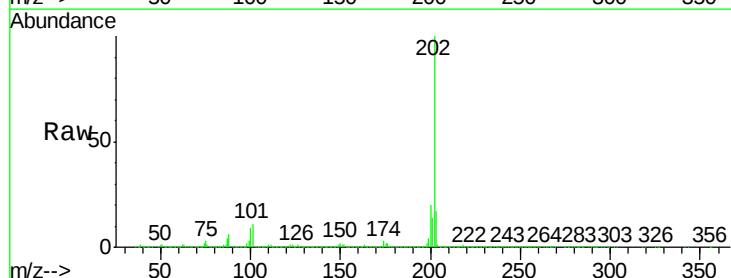
Tgt Ion:202 Resp: 2226442

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.6

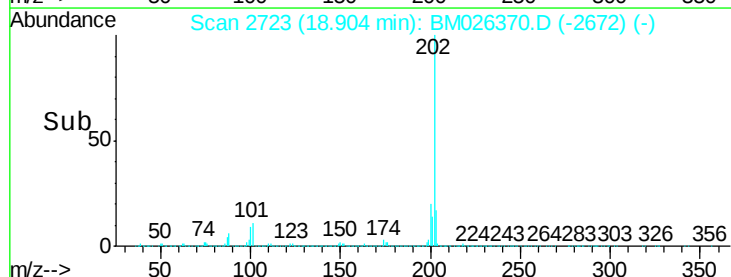
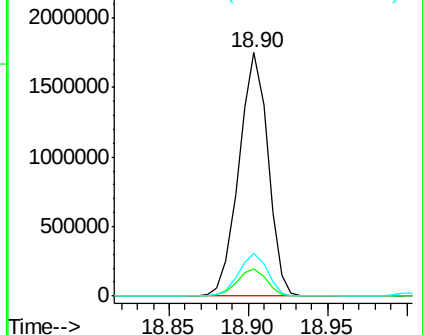
203 17.4 0.0 37.4

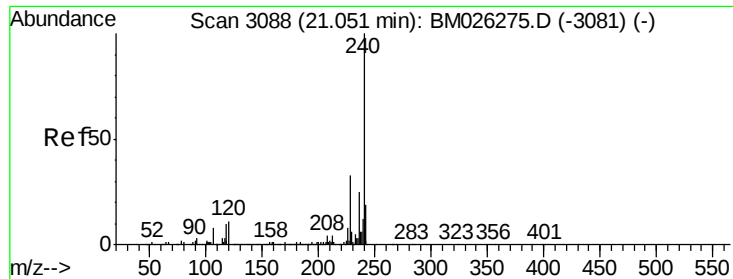


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

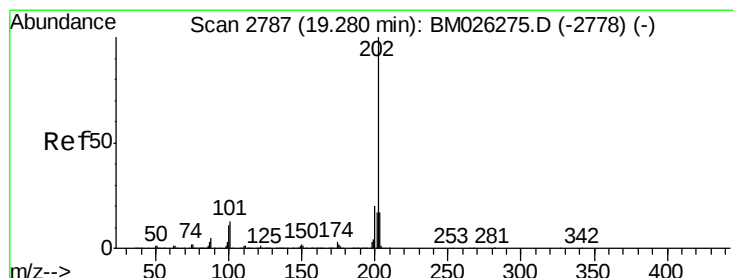
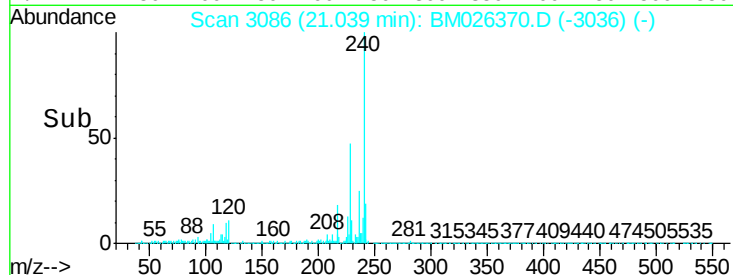
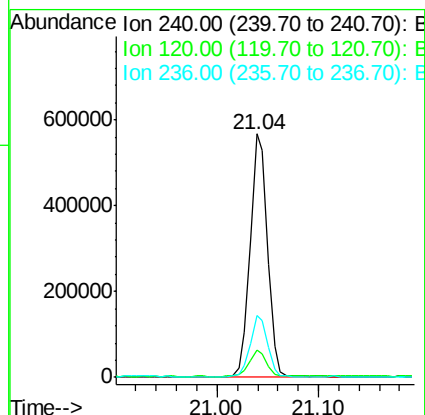
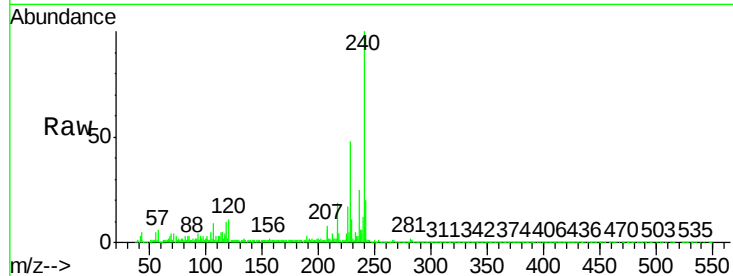




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

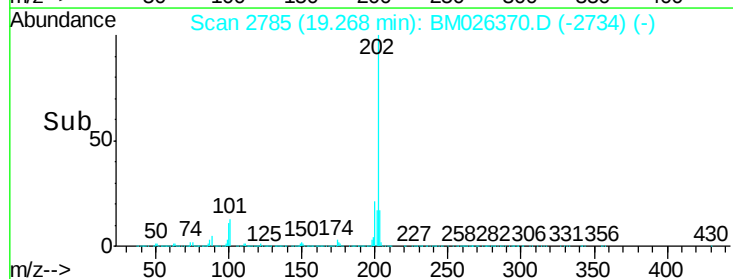
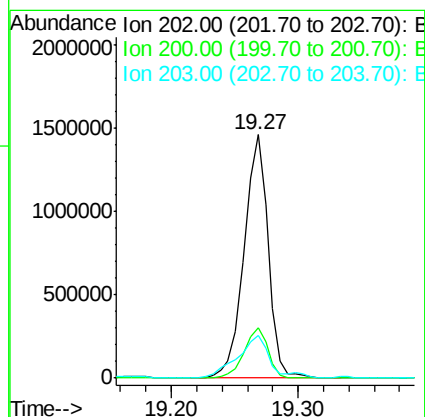
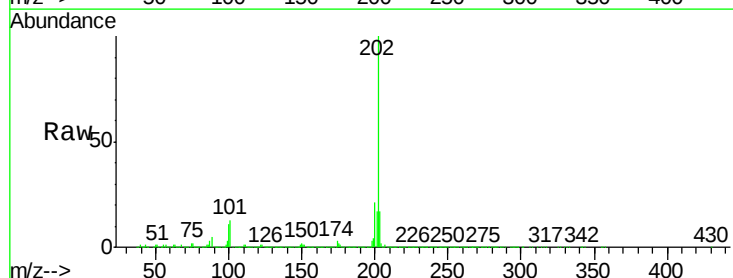
Instrument :
BNA_M
ClientSampleId :
CL-02-060920DL

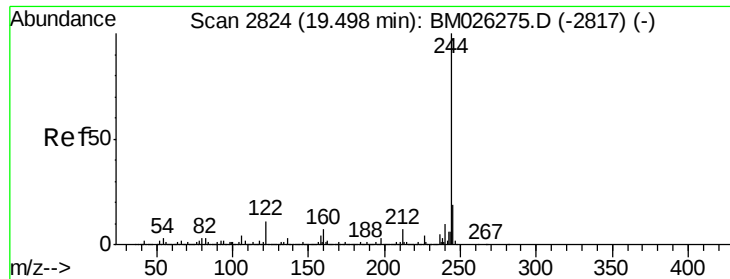
Tot Ion:240 Resp: 671029
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.3 19.7 29.5



#78
Pyrene
Concen: 43.144 ng
RT: 19.27 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Tgt Ion:202 Resp: 1912867
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.3 13.8 20.8





#79

Terphenyl-d14

Concen: 11.737 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

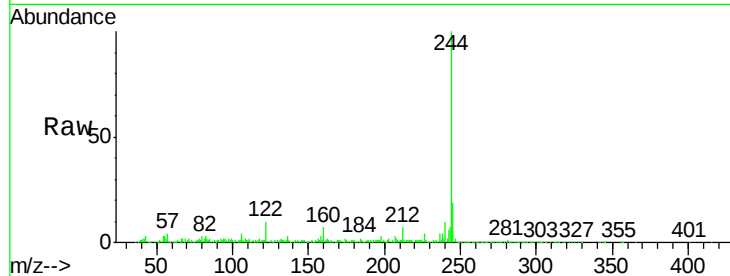
Tot Ion:244 Resp: 405722

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

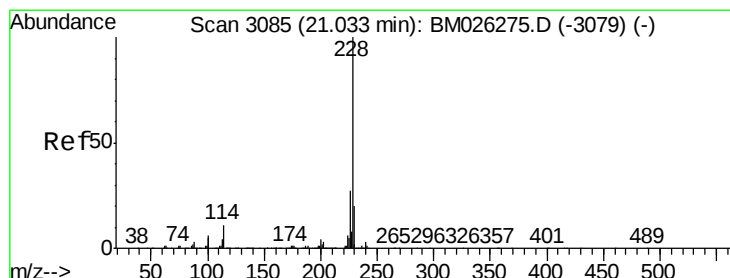
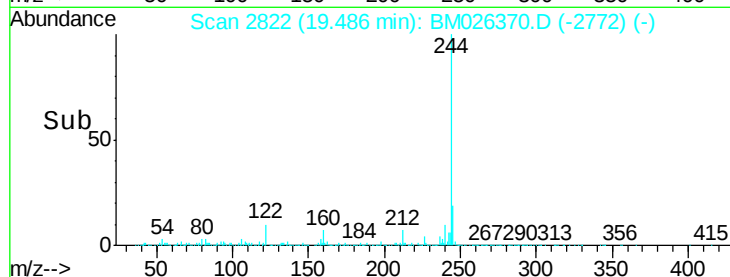
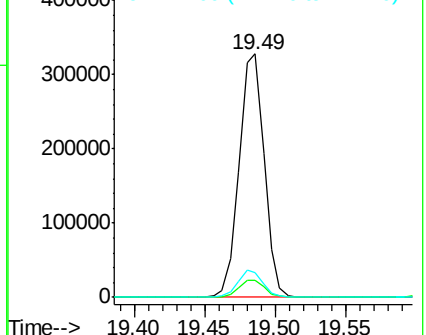
122 10.0 9.1 13.7



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: 27.463 ng

RT: 21.03 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

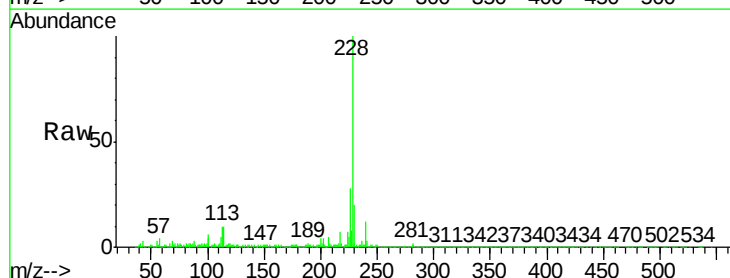
Tgt Ion:228 Resp: 1106145

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

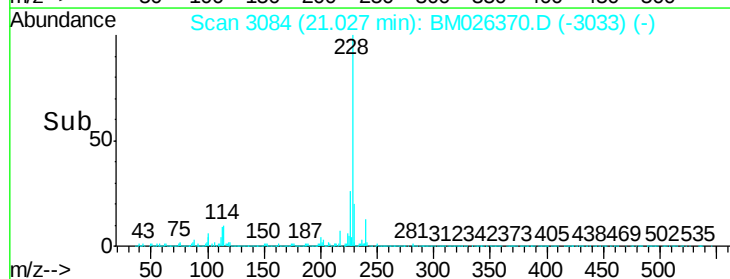
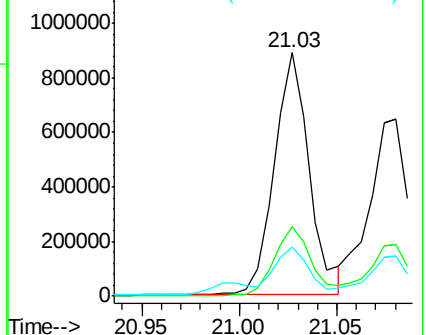
229 20.2 15.9 23.9

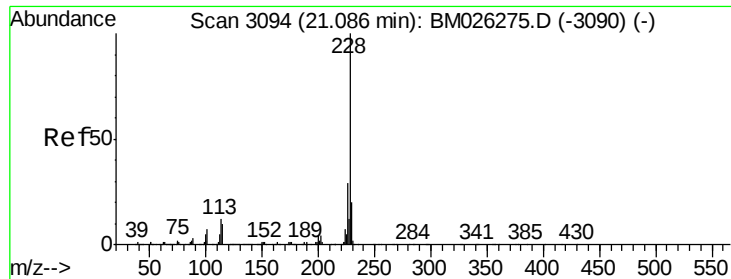


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

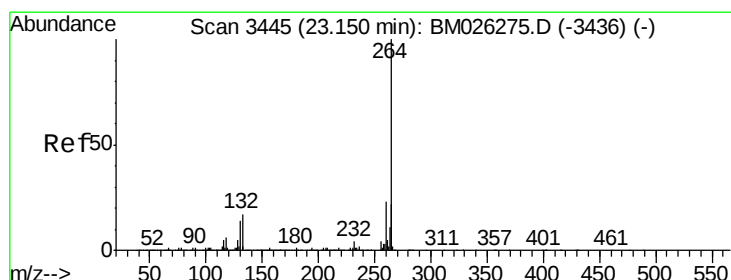
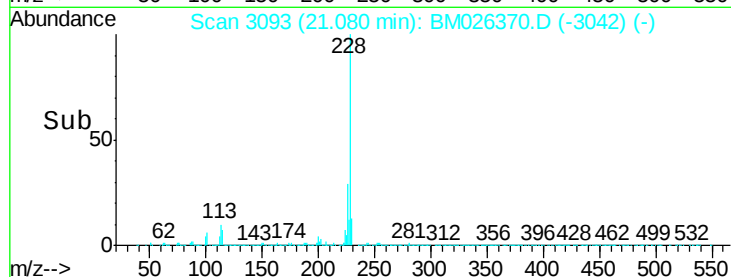
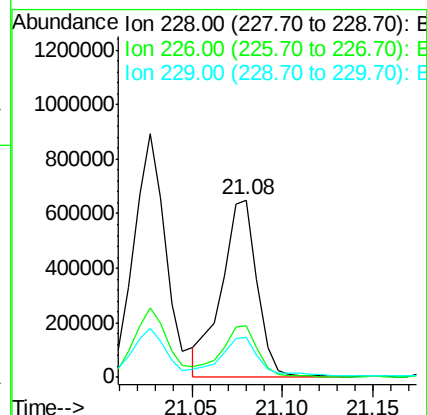
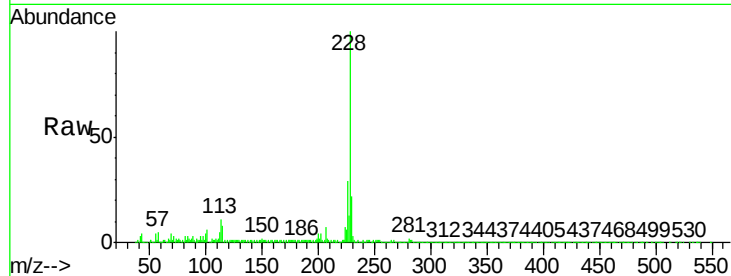




#83
Chrysene
Concen: 22.909 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

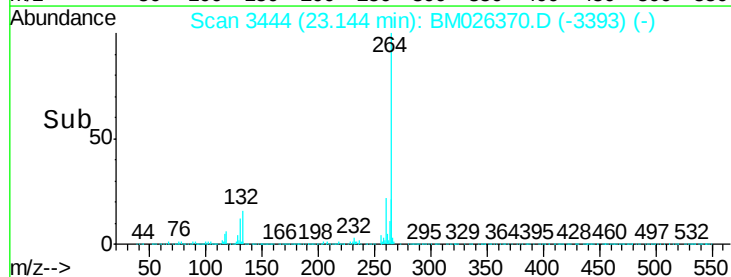
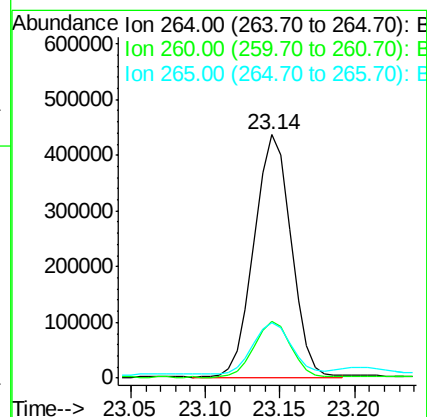
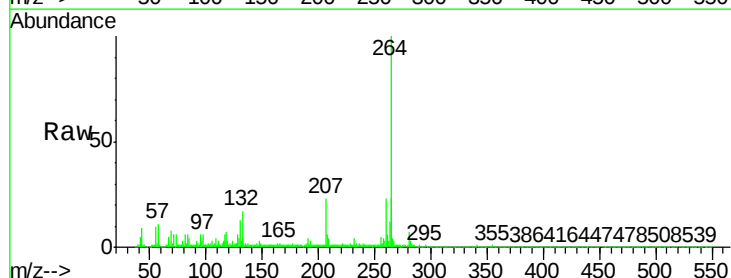
Instrument :
BNA_M
ClientSampleId :
CL-02-060920DL

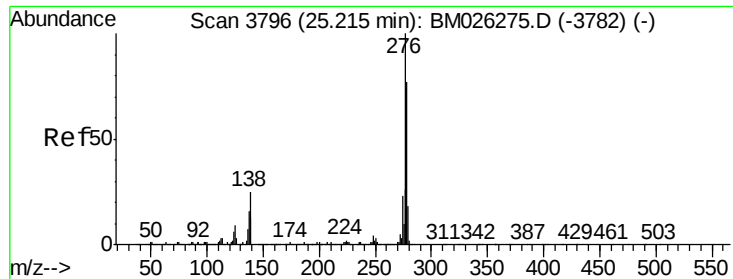
Tot Ion:228 Resp: 879319
Ion Ratio Lower Upper
228 100
226 29.4 23.5 35.3
229 22.5 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.14 min Scan# 3444
Delta R.T. -0.00 min
Lab File: BM026370.D
Acq: 12 Jun 2020 03:02

Tgt Ion:264 Resp: 746439
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.7 18.2 27.2

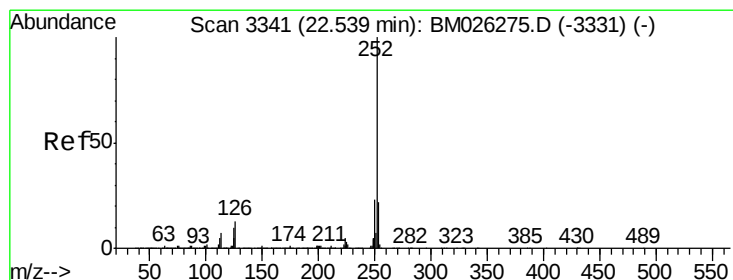
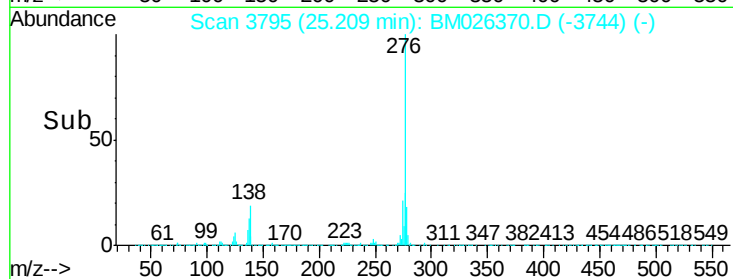
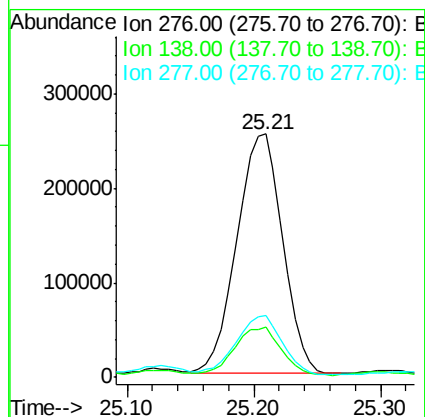
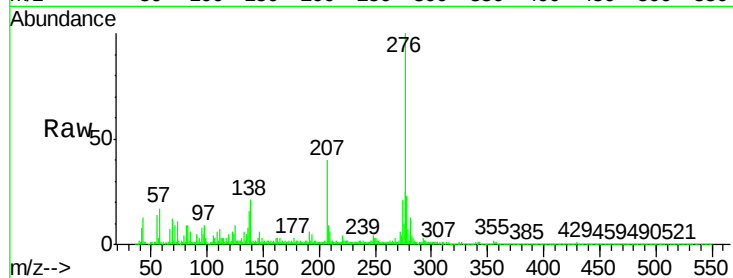




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.755 ng
 RT: 25.21 min Scan# 3795
 Delta R.T. -0.00 min
 Lab File: BM026370.D
 Acq: 12 Jun 2020 03:02

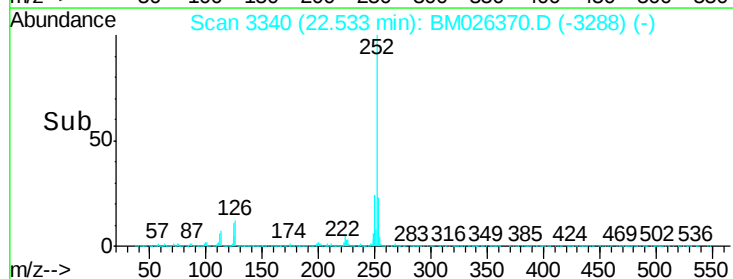
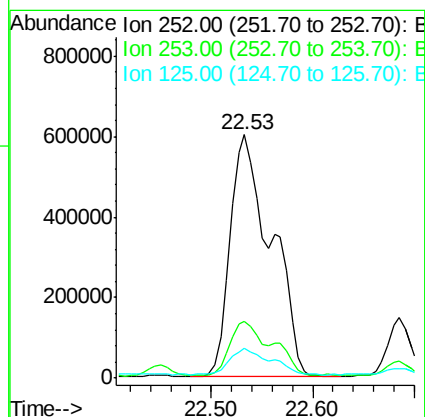
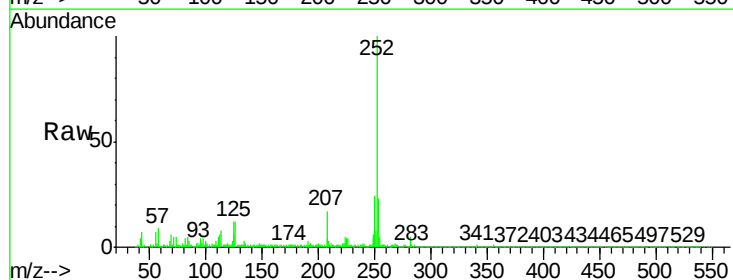
Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920DL

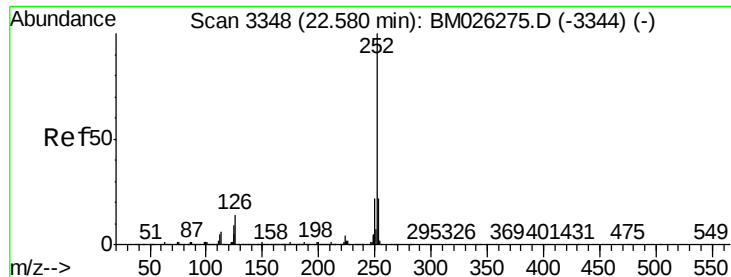
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.8	29.8
277	25.2	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 37.601 ng
 RT: 22.53 min Scan# 3340
 Delta R.T. 0.01 min
 Lab File: BM026370.D
 Acq: 12 Jun 2020 03:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	12.0	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 38.703 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.04 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

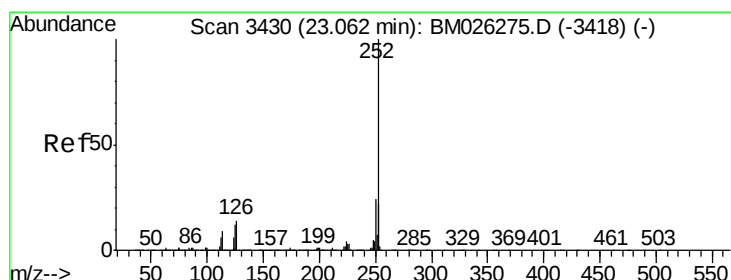
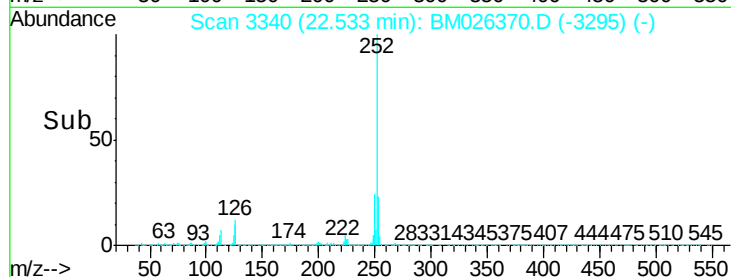
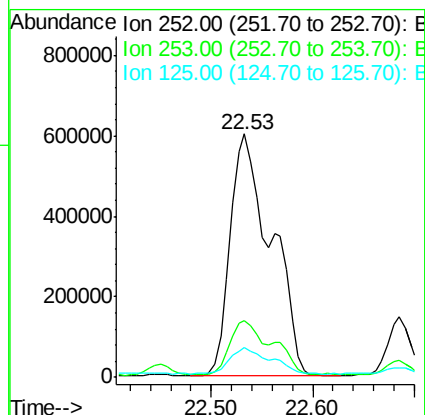
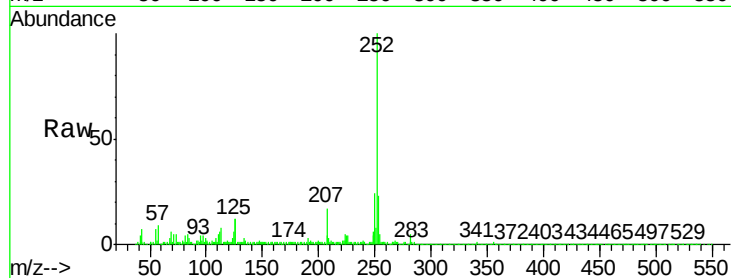
Tot Ion:252 Resp: 1688381

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 12.0 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 24.725 ng

RT: 23.06 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

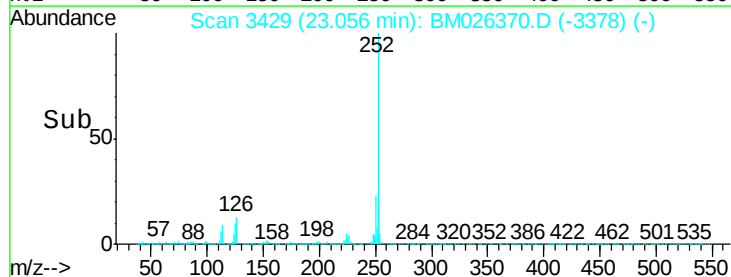
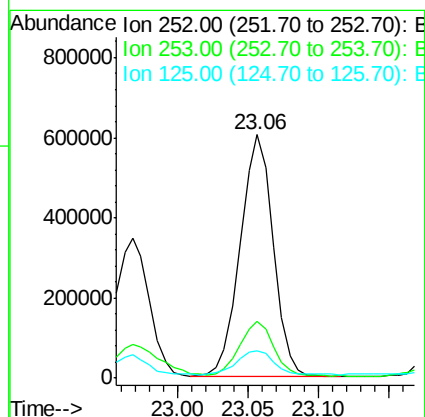
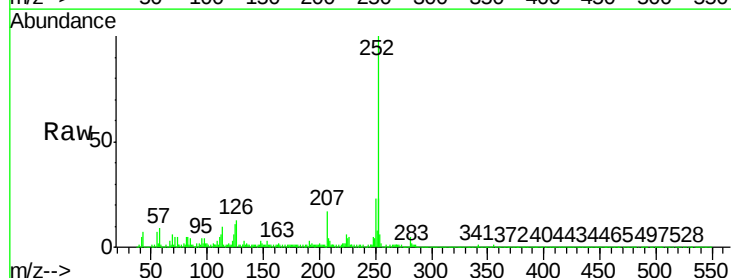
Tgt Ion:252 Resp: 986064

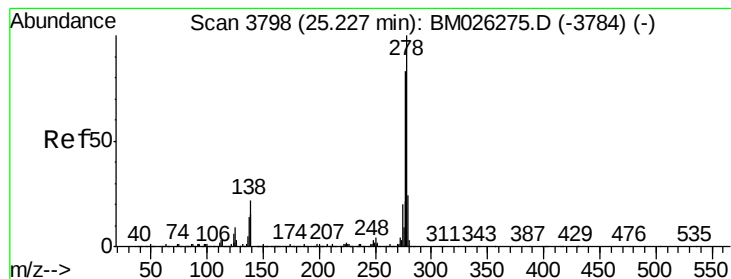
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 11.3 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 4.511 ng

RT: 25.21 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

Instrument :

BNA_M

ClientSampleId :

CL-02-060920DL

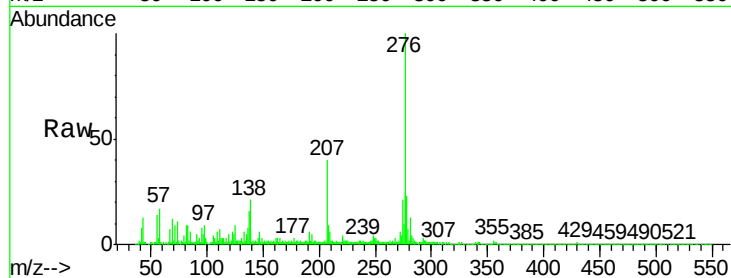
Tot Ion:278 Resp: 162606

Ion Ratio Lower Upper

278 100

139 26.4 11.9 17.9#

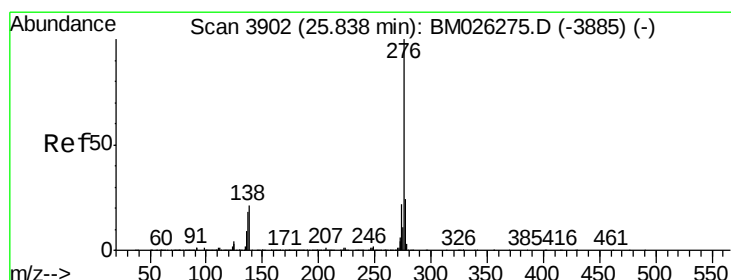
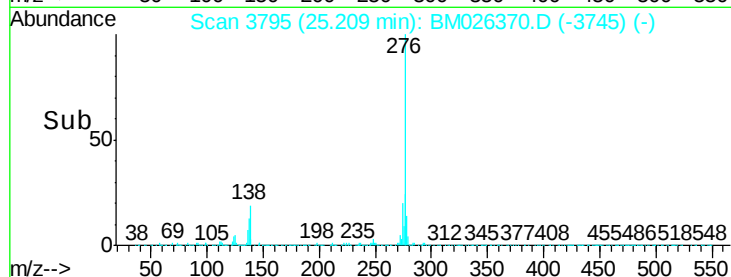
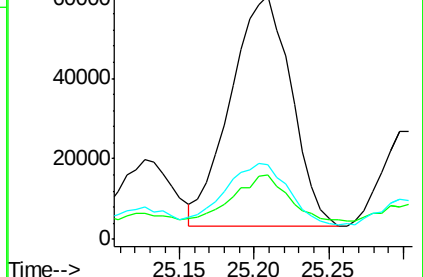
279 30.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 18.039 ng

RT: 25.83 min Scan# 3901

Delta R.T. 0.01 min

Lab File: BM026370.D

Acq: 12 Jun 2020 03:02

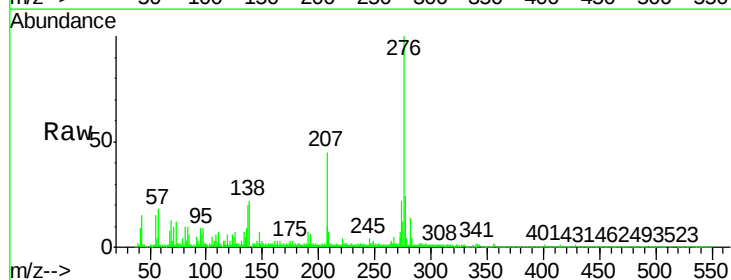
Tgt Ion:276 Resp: 618789

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 21.9 16.5 24.7



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

