

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061120\
 Data File : BM026354.D
 Acq On : 11 Jun 2020 13:56
 Operator : JU/CG
 Sample : L2810-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Quant Time: Jun 11 15:31:12 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	155976	20.00	ng	0.00
21) Naphthalene-d8	10.18	136	611053	20.00	ng	0.00
39) Acenaphthene-d10	14.07	164	349061	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	721420	20.00	ng	0.00
76) Chrysene-d12	21.04	240	788151	20.00	ng	0.00
86) Perylene-d12	23.14	264	878125	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.06	112	299891	33.99	ng	0.00
7) Phenol-d6	6.63	99	392654	30.74	ng	0.00
23) Nitrobenzene-d5	8.56	82	262837	21.12	ng	-0.01
42) 2,4,6-Tribromophenol	15.57	330	137059	32.41	ng	-0.01
45) 2-Fluorobiphenyl	12.68	172	533285	23.19	ng	-0.01
79) Terphenyl-d14	19.48	244	820770	20.22	ng	-0.01

Target Compounds

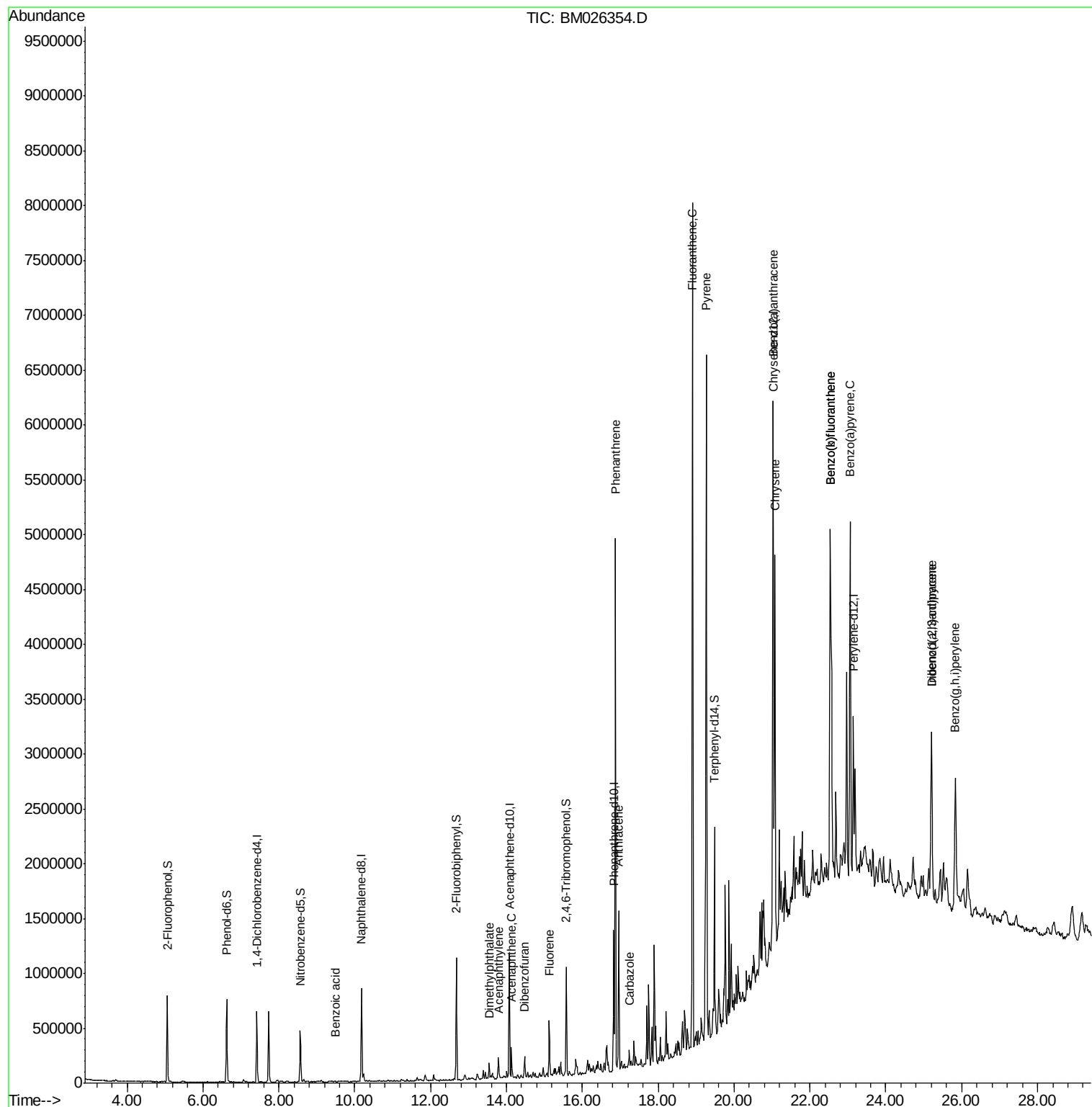
						Qvalue
32) Benzoic acid	9.49	122	60	5.172	ng	# 31
49) Acenaphthylene	13.79	152	149044	4.688	ng	99
50) Dimethylphthalate	13.55	163	76807	3.008	ng	98
52) Acenaphthene	14.14	154	95262	4.991	ng	99
55) Dibenzofuran	14.47	168	101120	3.288	ng	99
58) Fluorene	15.13	166	212053	8.489	ng	98
71) Phenanthrene	16.87	178	2636544	70.180	ng	99
72) Anthracene	16.96	178	840179	22.408	ng	100
73) Carbazole	17.24	167	95010	2.672	ng	99
75) Fluoranthene	18.90	202	4450266	103.323	ng	99
78) Pyrene	19.27	202	3830569	73.558	ng	100
81) Benzo(a)anthracene	21.03	228	2247765	47.513	ng	97
83) Chrysene	21.07	228	1791379	39.735	ng	97
87) Indeno(1,2,3-cd)pyrene	25.21	276	1313412	25.856	ng	95
88) Benzo(b)fluoranthene	22.53	252	2574854	48.744	ng	97
89) Benzo(k)fluoranthene	22.53	252	2574854	50.173	ng	96
90) Benzo(a)pyrene	23.06	252	2039471	43.470	ng	97
91) Dibenzo(a,h)anthracene	25.20	278	334130	7.879	ng	# 78
92) Benzo(a,h,i)perylene	25.83	276	1282140	31.772	ng	99

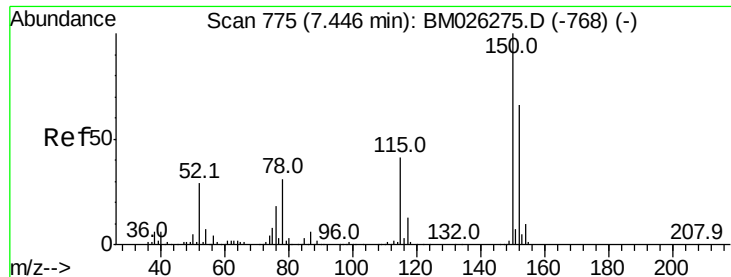
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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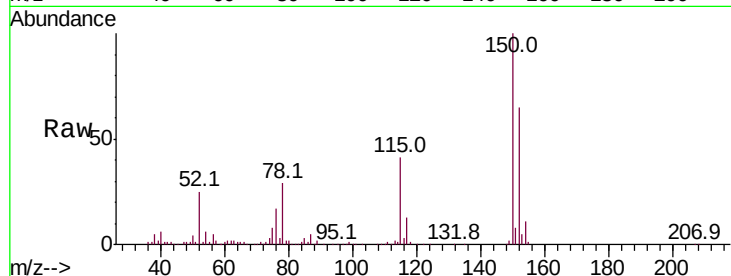


#1

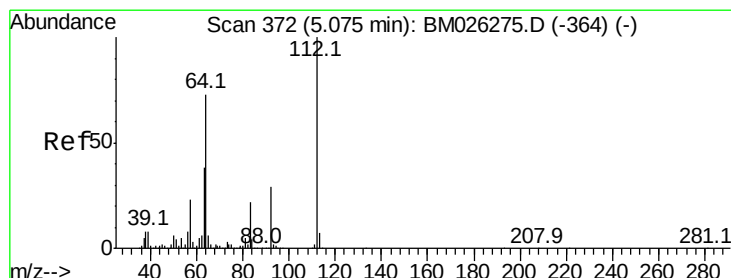
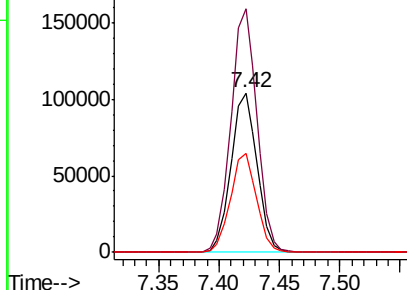
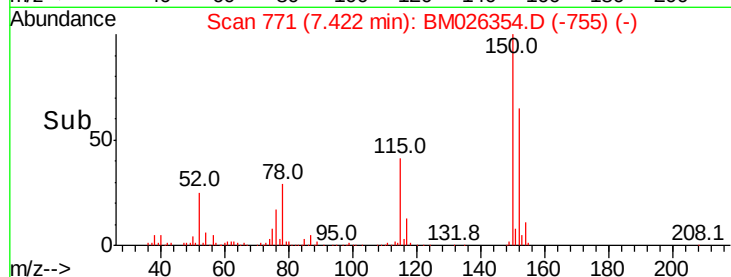
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion:152 Resp: 155976
Ion Ratio Lower Upper
152 100
150 152.9 122.1 183.1
115 62.0 49.7 74.5



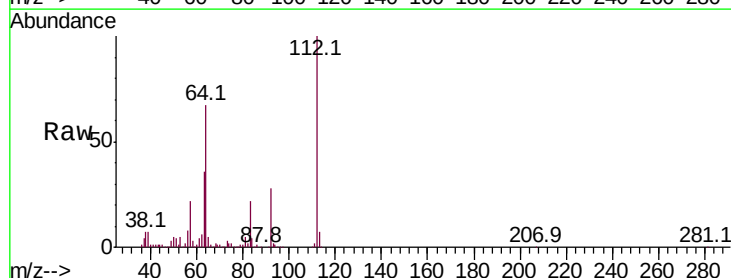
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



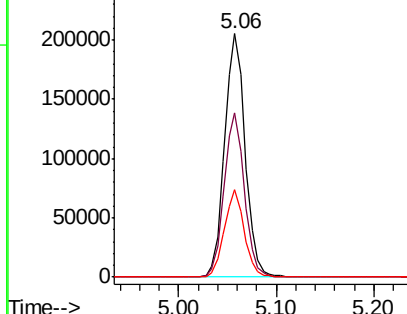
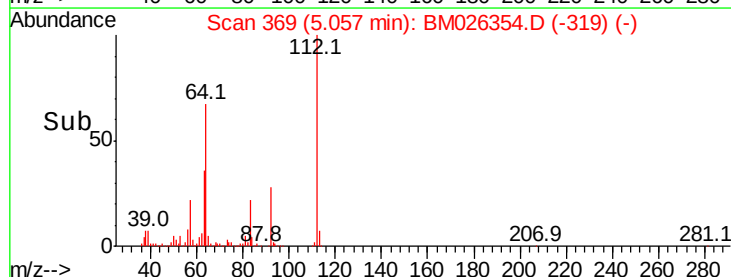
#5

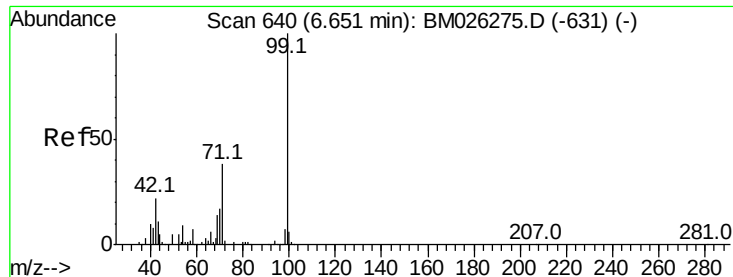
2-Fluorophenol
Concen: 33.994 ng
RT: 5.06 min Scan# 369
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion:112 Resp: 299891
Ion Ratio Lower Upper
112 100
64 67.3 58.1 87.1
63 35.9 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: 30.737 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

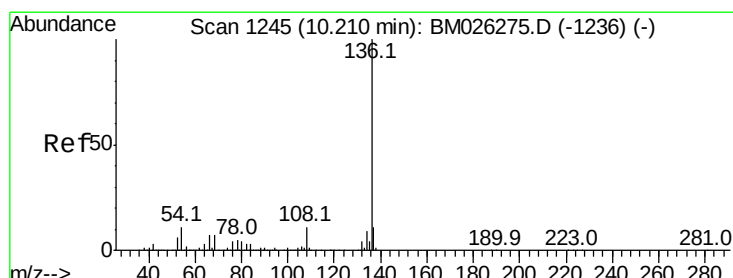
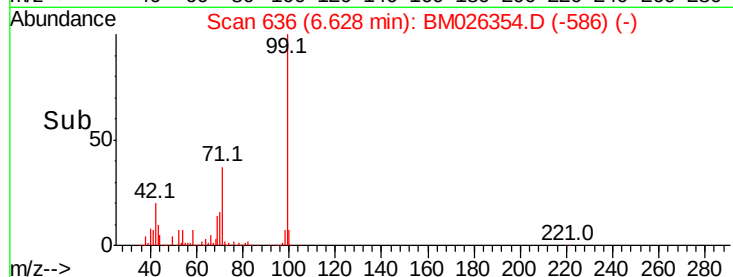
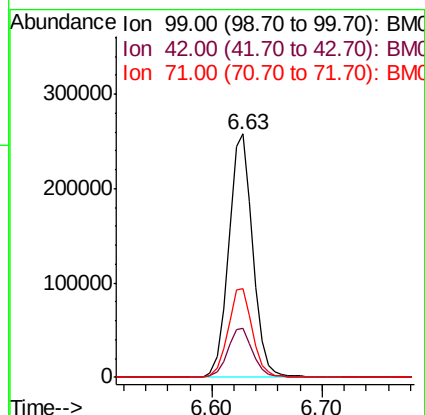
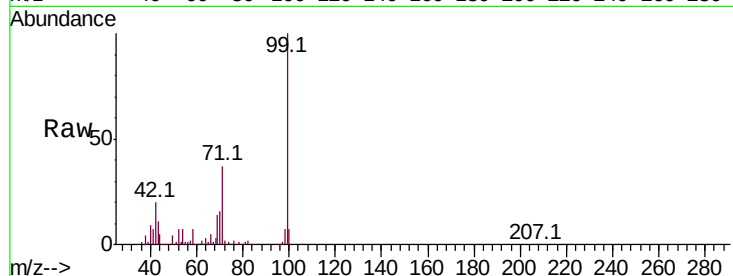
Tot Ion: 99 Resp: 392654

Ion Ratio Lower Upper

99 100

42 20.0 18.0 27.0

71 36.6 30.6 45.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Tgt Ion: 136 Resp: 611053

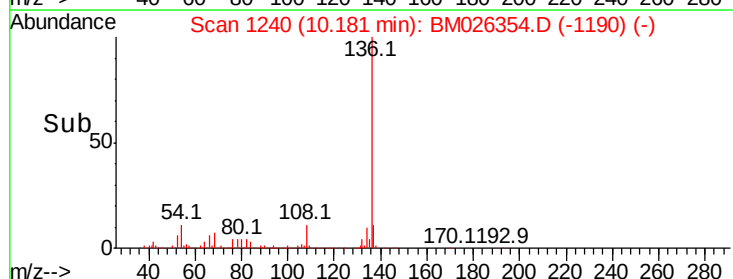
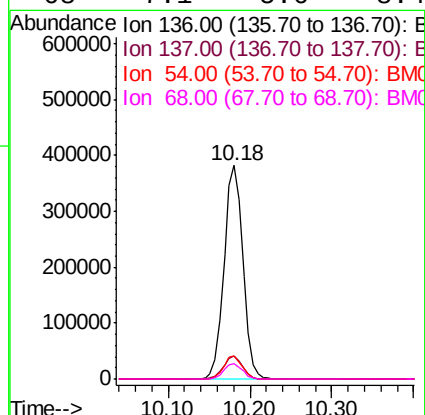
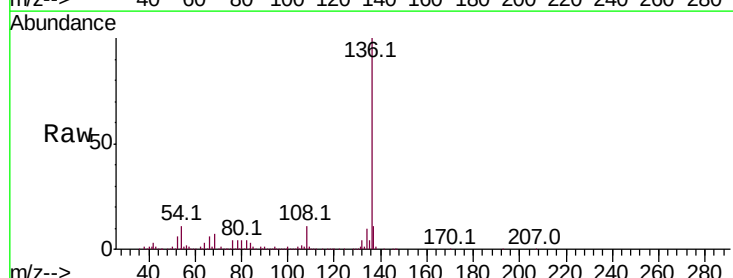
Ion Ratio Lower Upper

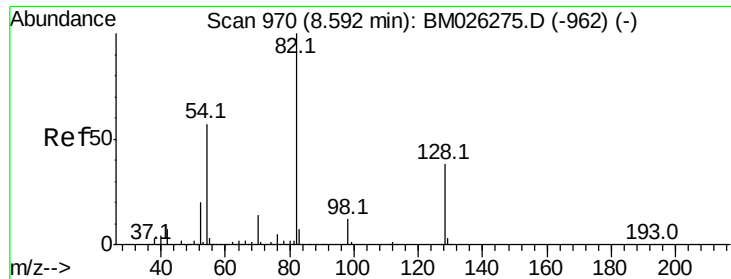
136 100

137 11.1 8.6 13.0

54 10.5 9.0 13.4

68 7.1 5.6 8.4

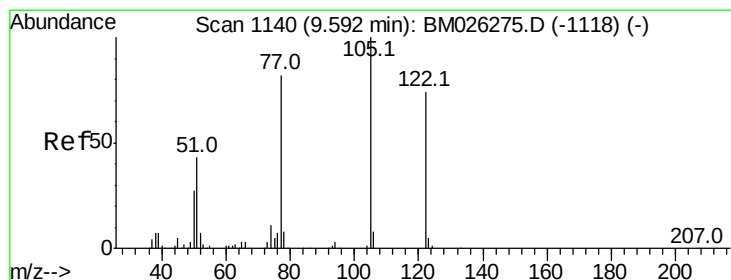
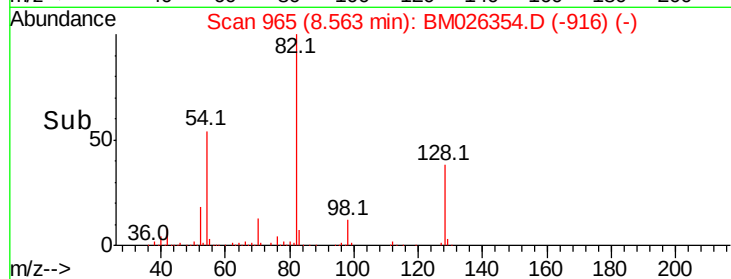
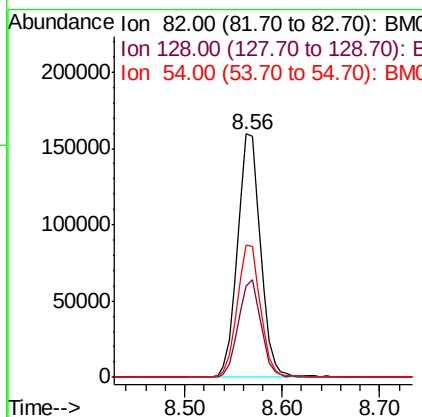
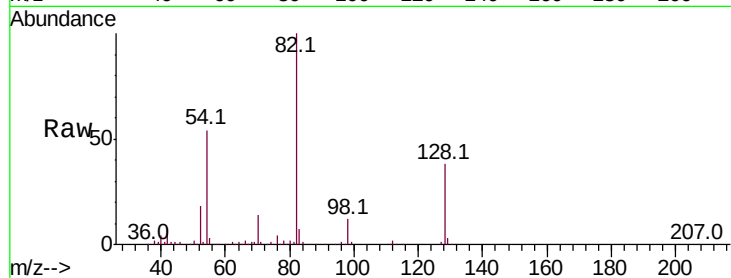




#23
 Nitrobenzene-d5
 Concen: 21.120 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

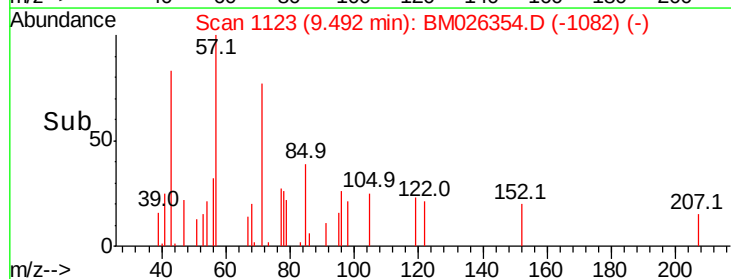
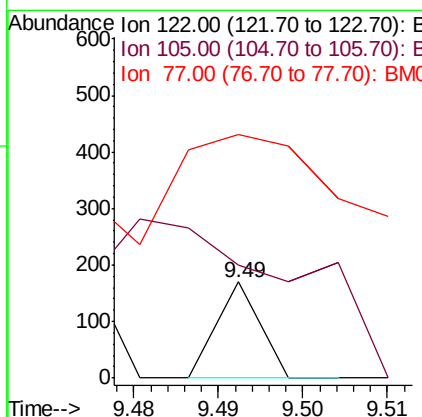
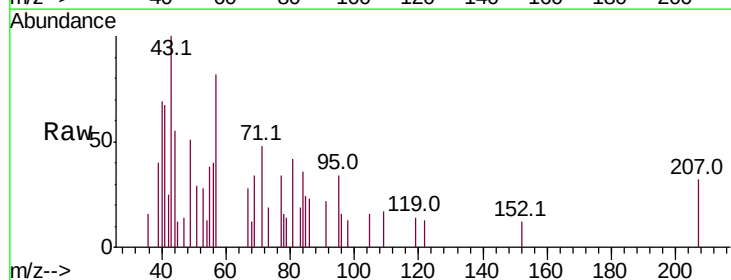
Instrument :
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 CL-02-060920

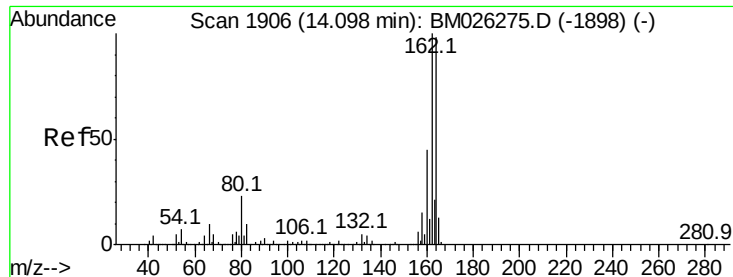
Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	30.3	45.5
54	54.3	45.4	68.2



#32
 Benzoic acid
 Concen: 5.172 ng
 RT: 9.49 min Scan# 1123
 Delta R.T. -0.06 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.1	112.4	152.4
77	253.5	89.8	129.8#

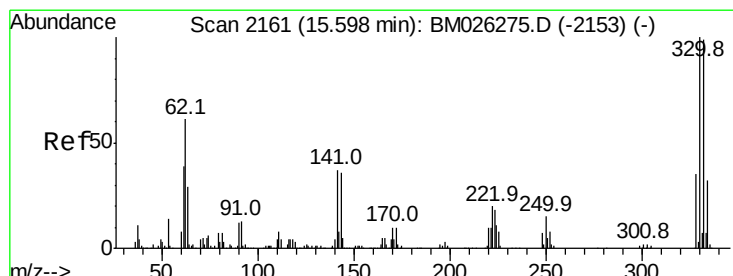
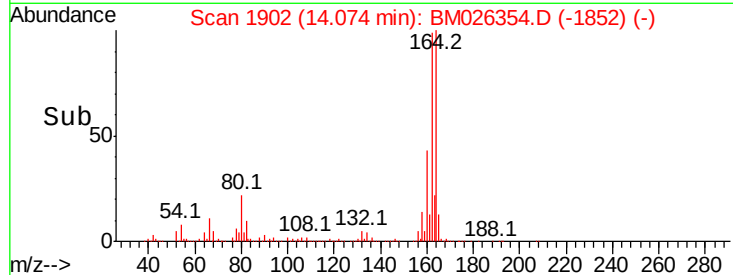
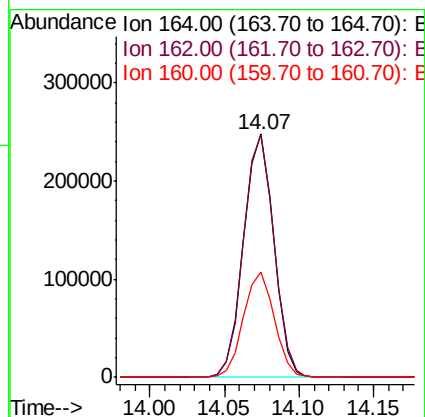
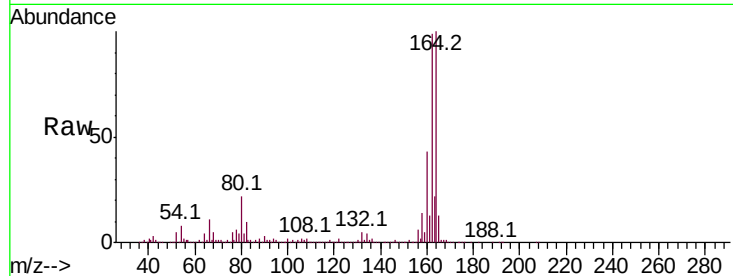




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

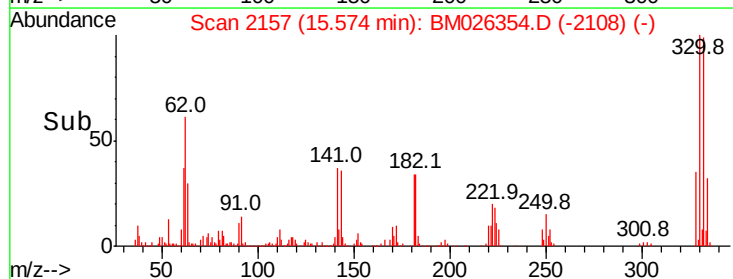
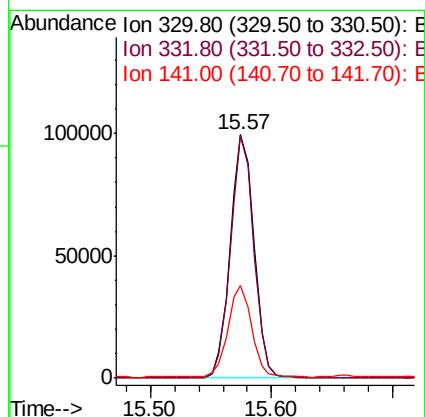
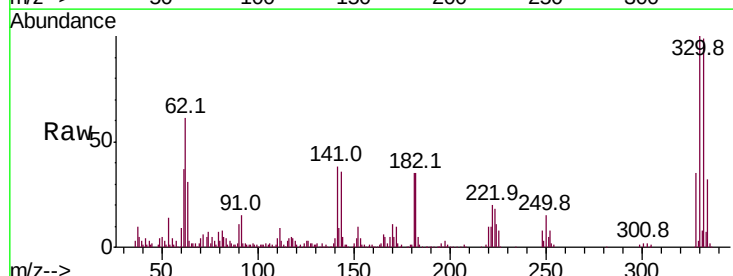
Instrument :
BNA_M
ClientSampleId :
CL-02-060920

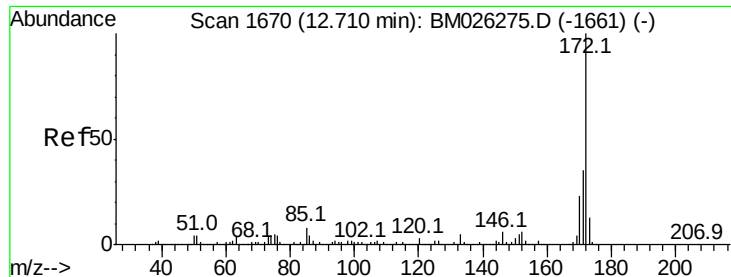
Tot Ion:164 Resp: 349061
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.2
160 43.5 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 32.414 ng
RT: 15.57 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion:330 Resp: 137059
Ion Ratio Lower Upper
330 100
332 97.1 78.1 117.1
141 36.3 30.0 45.0

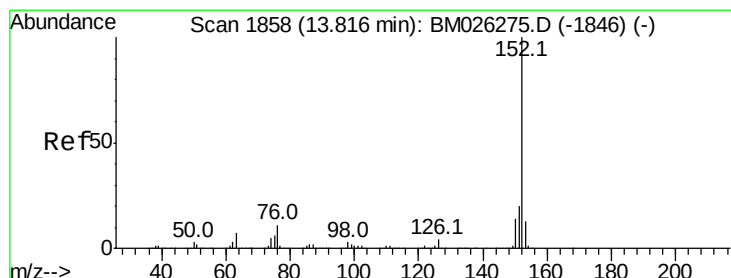
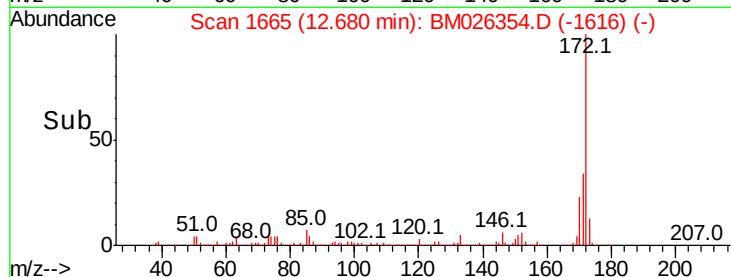
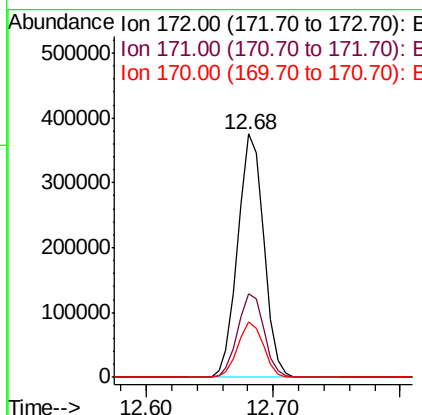
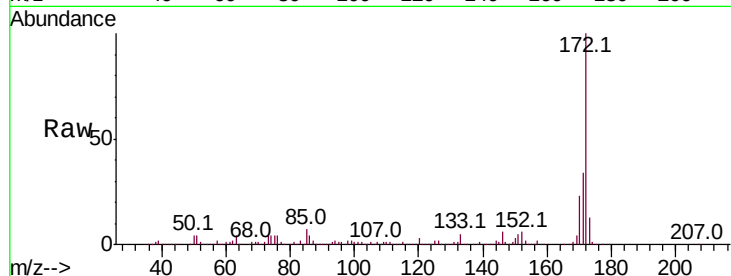




#45
2-Fluorobiphenyl
Concen: 23.191 ng
RT: 12.68 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

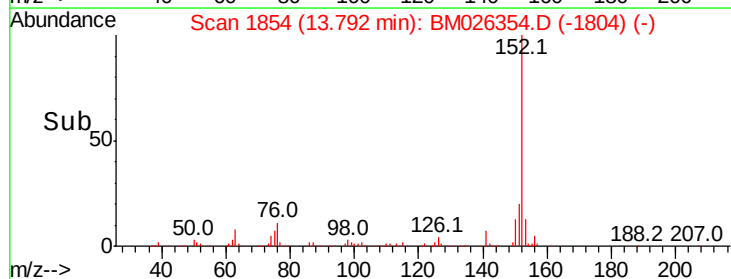
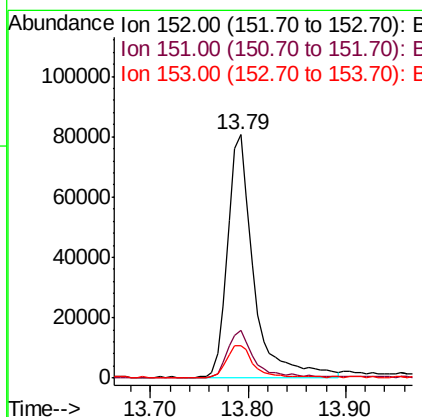
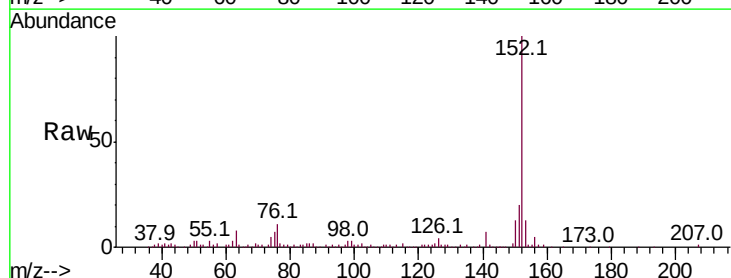
Instrument :
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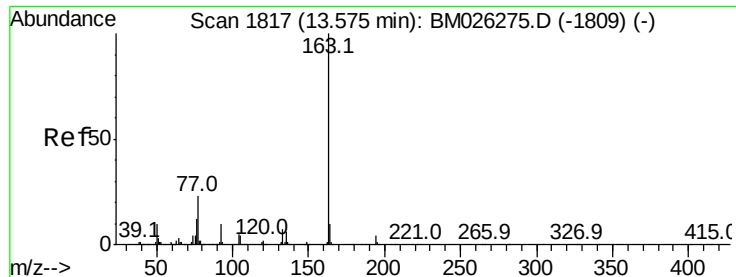
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.9	18.3	27.5



#49
Acenaphthylene
Concen: 4.688 ng
RT: 13.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.2	15.4





#50

Dimethylphthalate

Concen: 3.008 ng

RT: 13.55 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

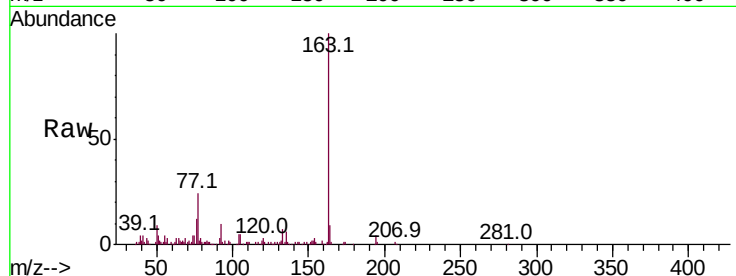
Tot Ion:163 Resp: 76807

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

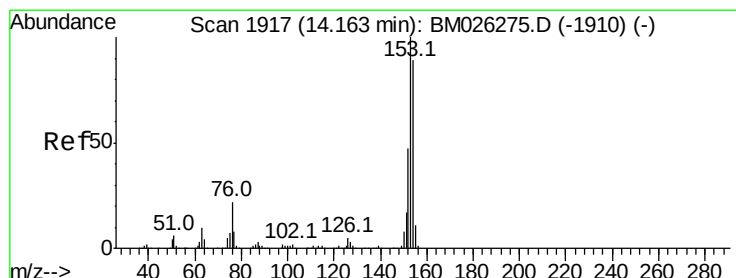
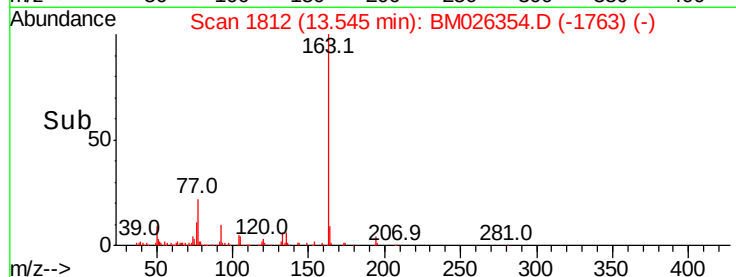
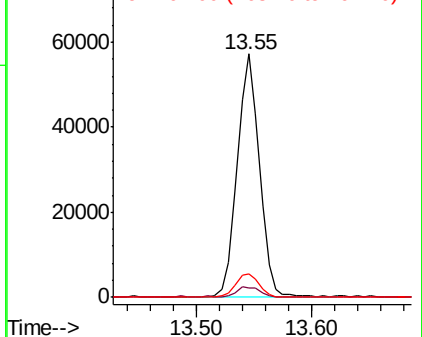
164 9.4 8.0 12.0



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



#52

Acenaphthene

Concen: 4.991 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

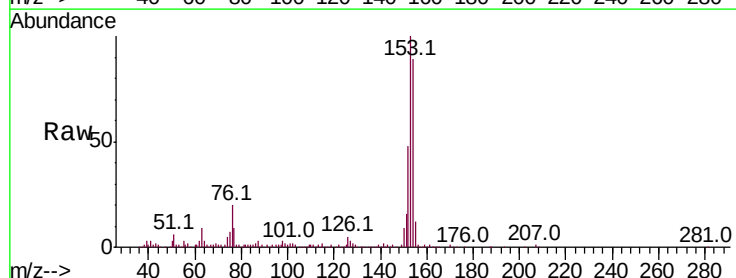
Tgt Ion:154 Resp: 95262

Ion Ratio Lower Upper

154 100

153 112.2 89.6 134.4

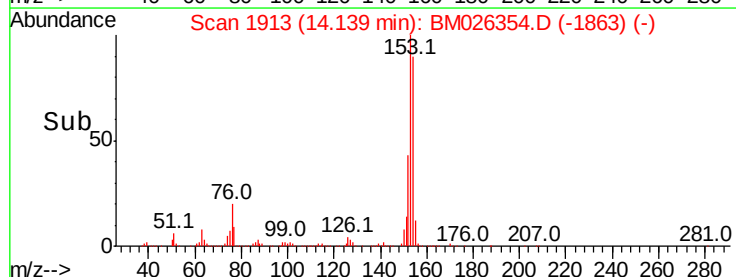
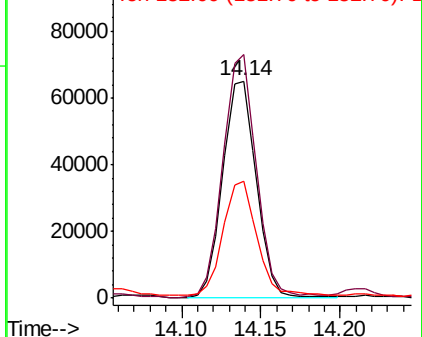
152 54.1 42.1 63.1

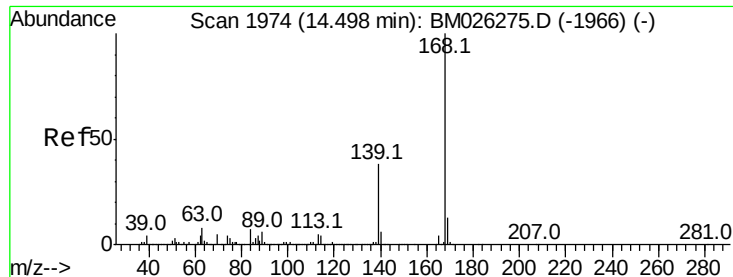


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

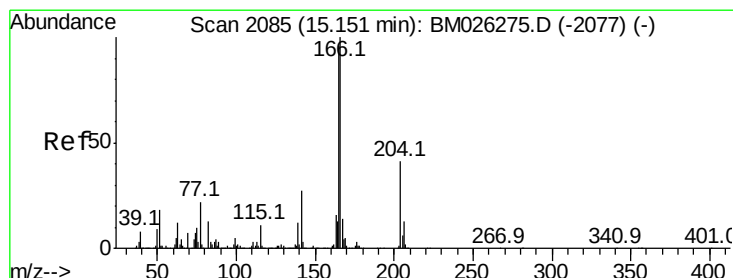
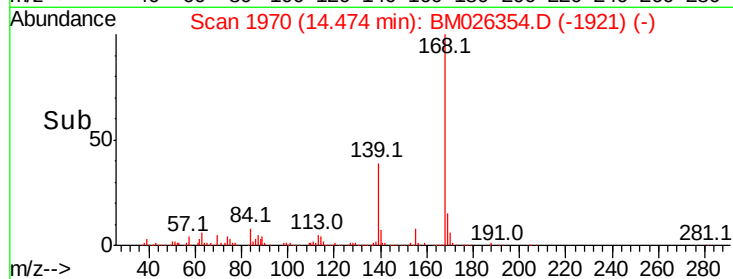
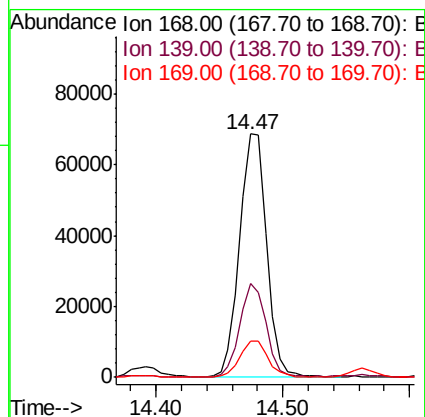
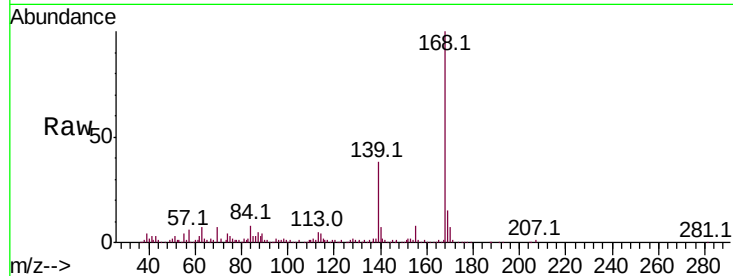




#55
Dibenzofuran
Concen: 3.288 ng
RT: 14.47 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

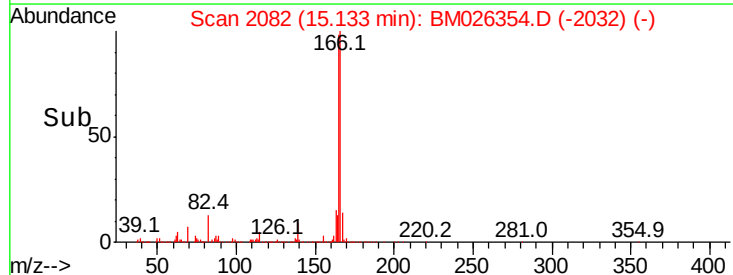
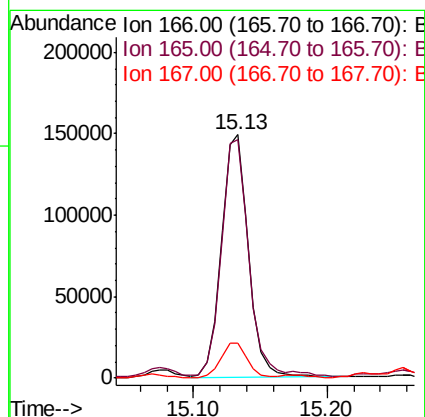
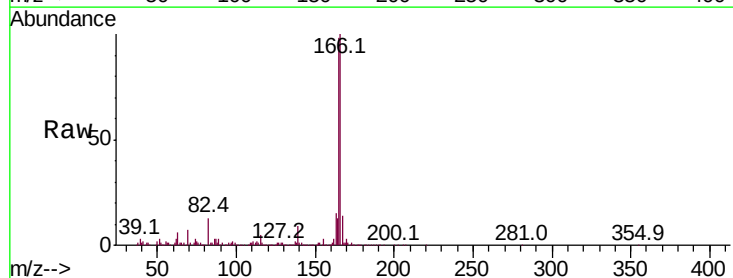
Instrument :
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CL-02-060920

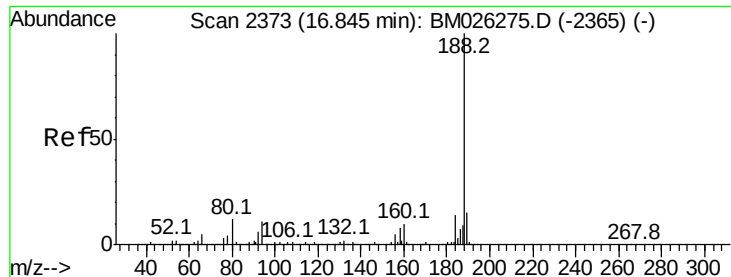
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.7	46.1
169	15.0	10.5	15.7



#58
Fluorene
Concen: 8.489 ng
RT: 15.13 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.7	115.1
167	14.2	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

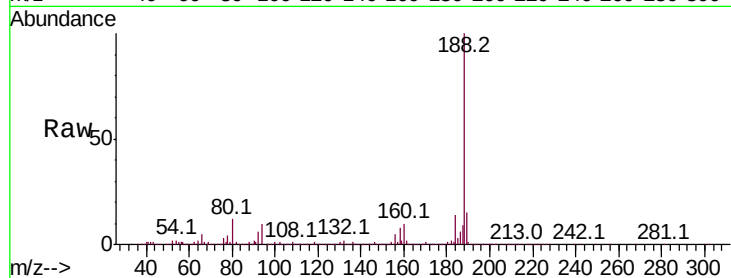
Tot Ion:188 Resp: 721420

Ion Ratio Lower Upper

188 100

94 10.2 8.6 12.8

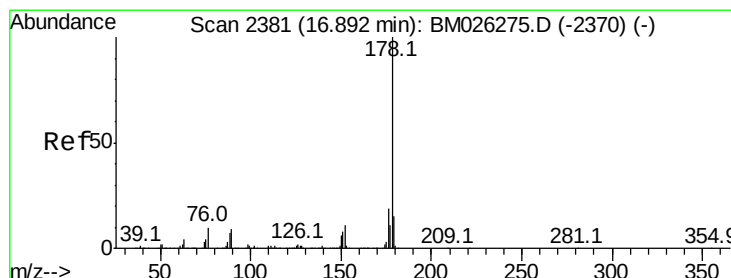
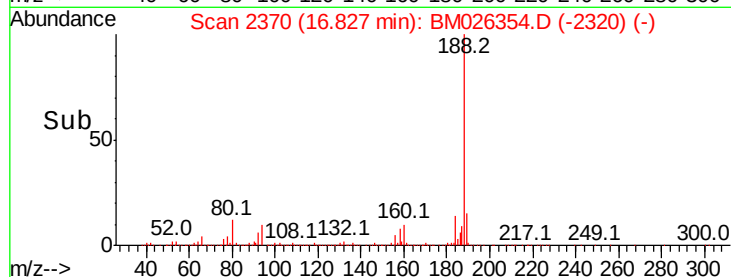
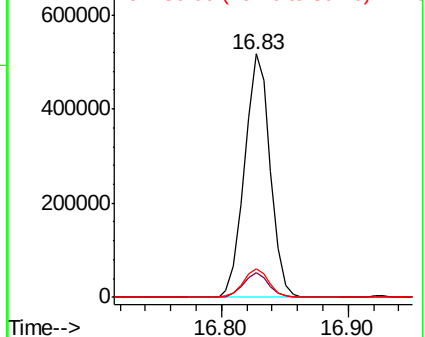
80 11.7 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 70.180 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

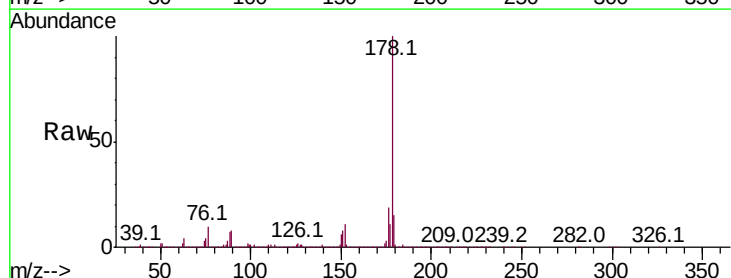
Tgt Ion:178 Resp: 2636544

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

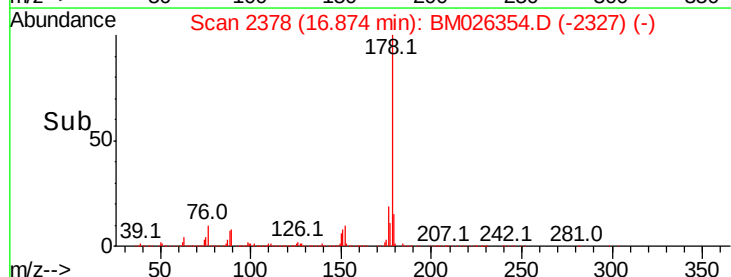
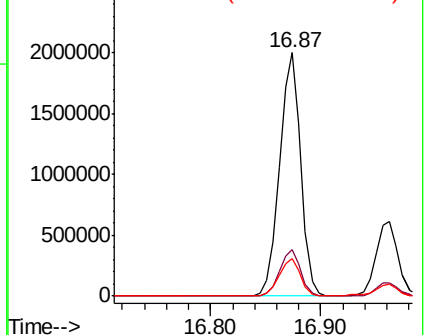
179 15.2 12.0 18.0

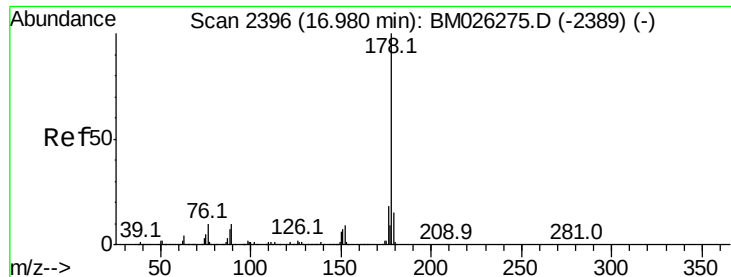


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 22.408 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

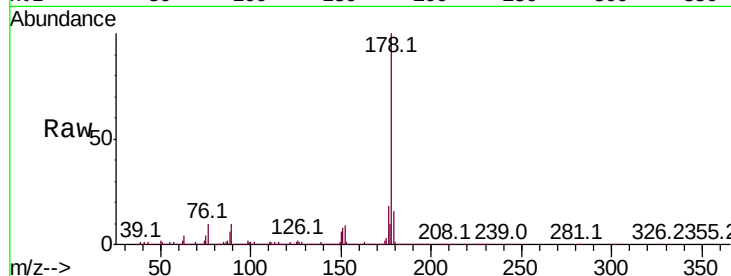
Tot Ion:178 Resp: 840179

Ion Ratio Lower Upper

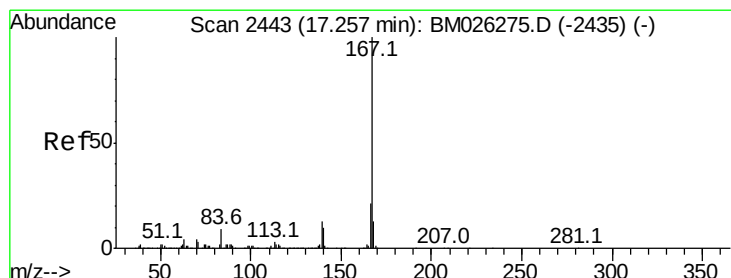
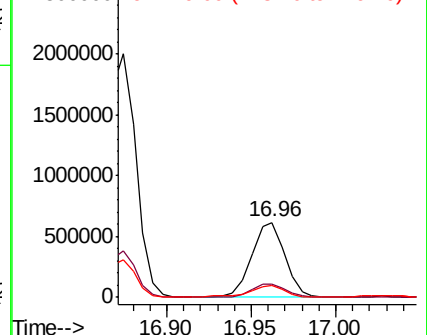
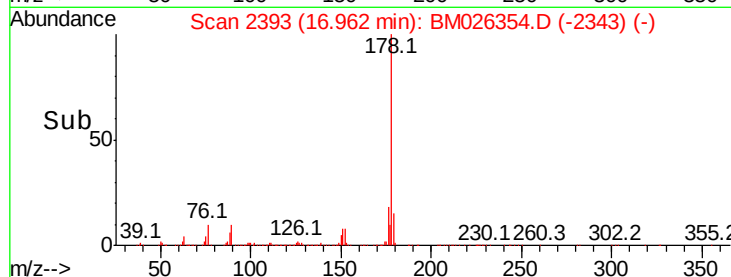
178 100

176 17.9 14.4 21.6

179 15.6 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



#73

Carbazole

Concen: 2.672 ng

RT: 17.24 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

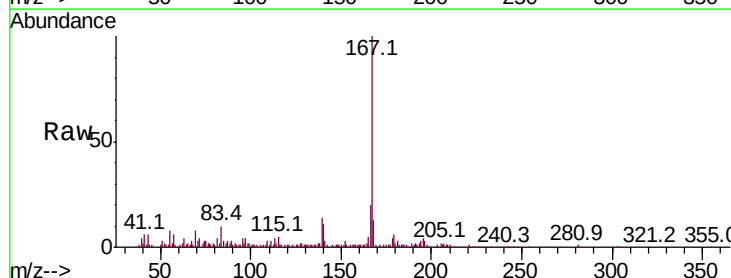
Tgt Ion:167 Resp: 95010

Ion Ratio Lower Upper

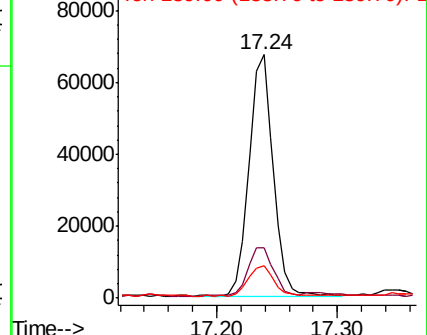
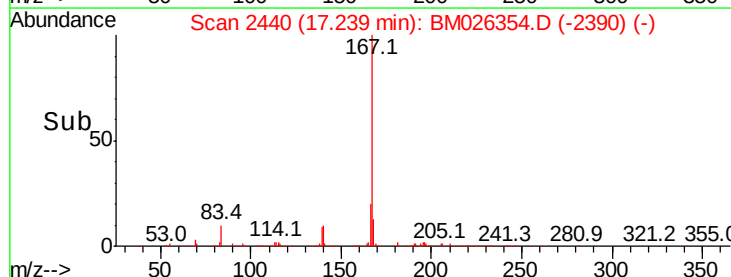
167 100

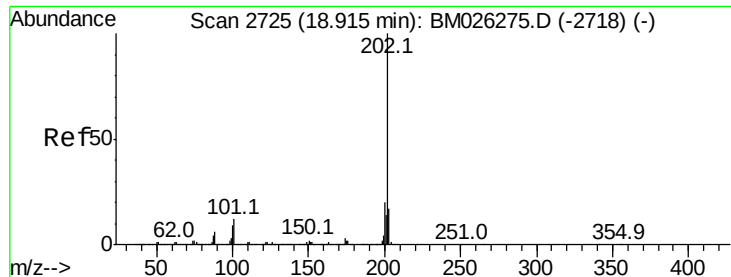
166 20.4 16.8 25.2

139 13.5 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



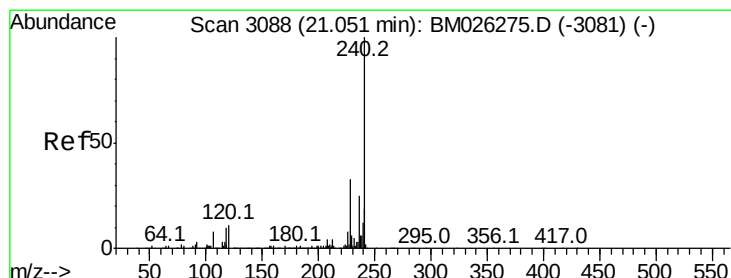
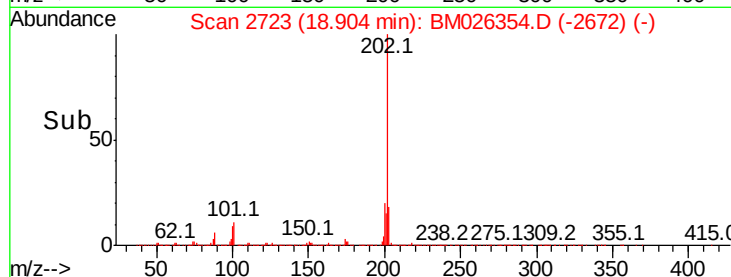
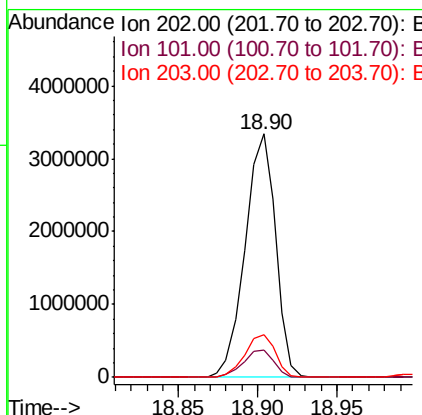
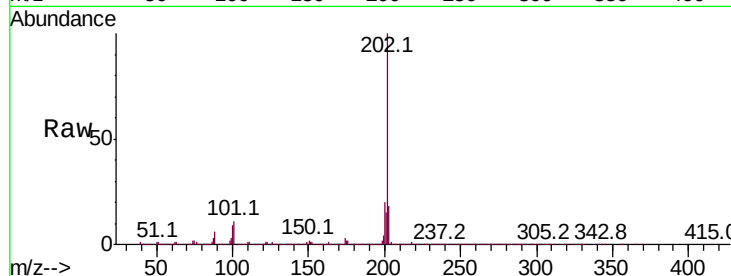


#75
 Fluoranthene
 Concen: 103.323 ng
 RT: 18.90 min Scan# 2723
 Delta R.T. -0.00 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Tot Ion:202 Resp: 4450266

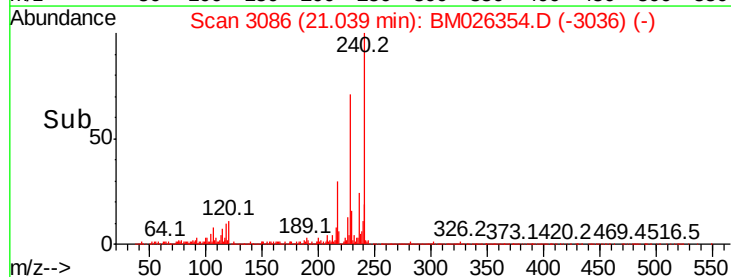
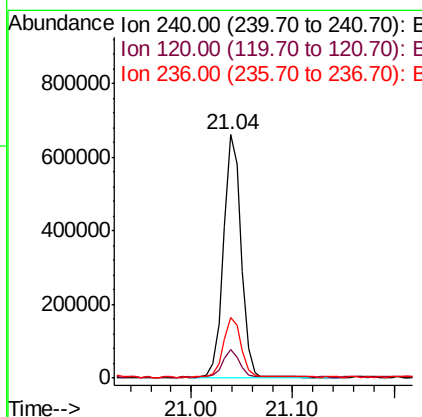
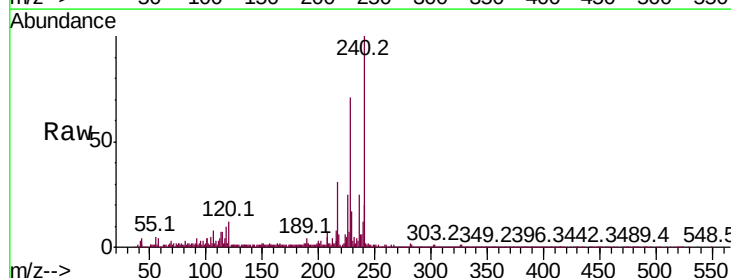
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.6
203	17.6	0.0	37.4

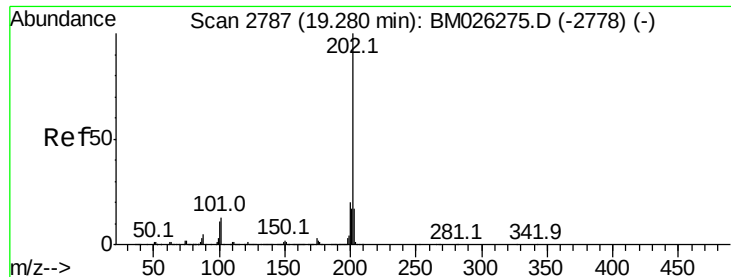


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.04 min Scan# 3086
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion:240 Resp: 788151

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	24.8	19.7	29.5





#78

Pvrene

Concen: 73.558 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

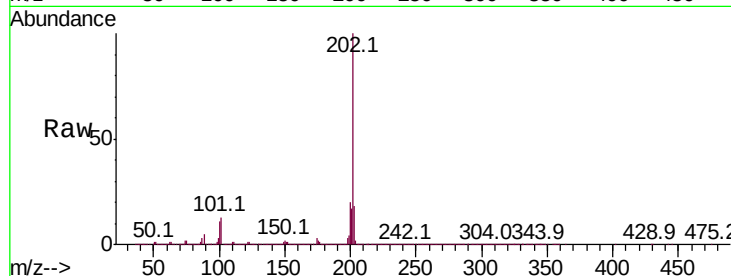
BNA_M

ClientSampleId :

CL-02-060920

Tot Ion:202 Resp: 3830569

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.6	13.8	20.8

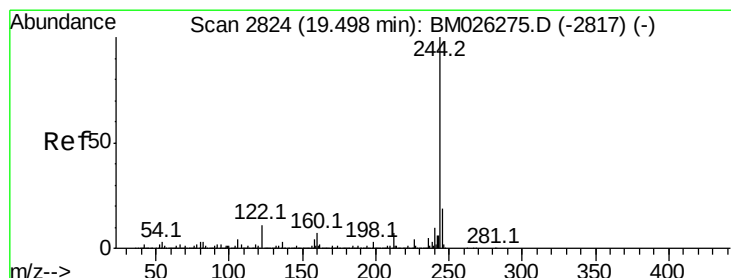
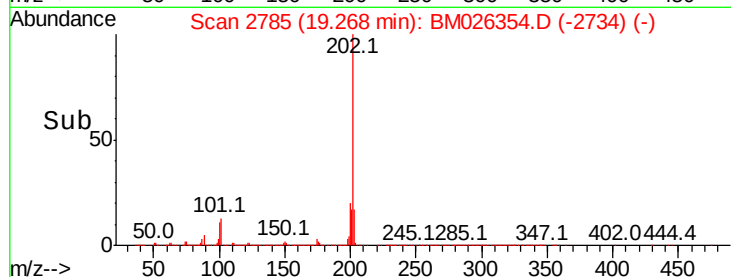
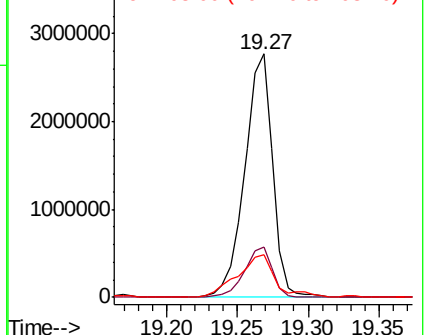


Abundance

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: 20.215 ng

RT: 19.48 min Scan# 2821

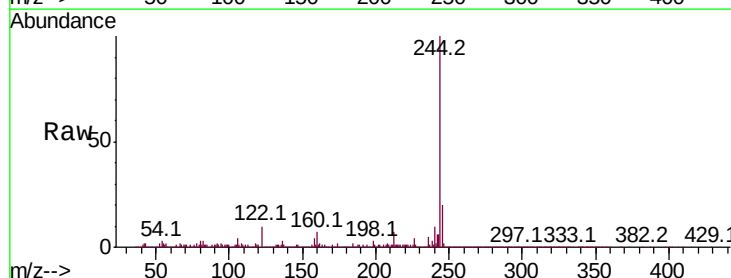
Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Tgt Ion:244 Resp: 820770

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.4	9.1	13.7

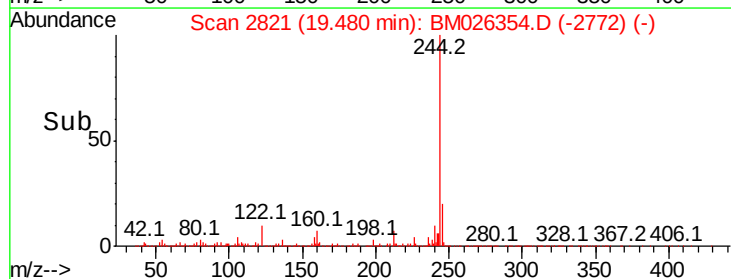
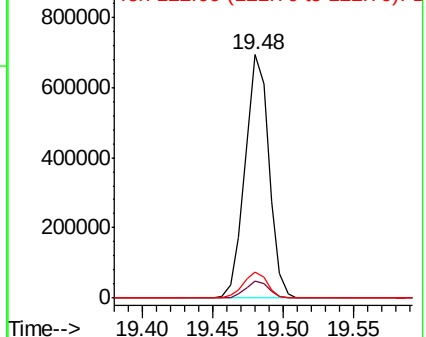


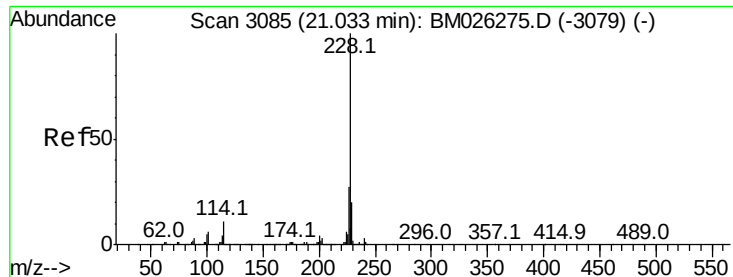
Abundance

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: 47.513 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.00 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

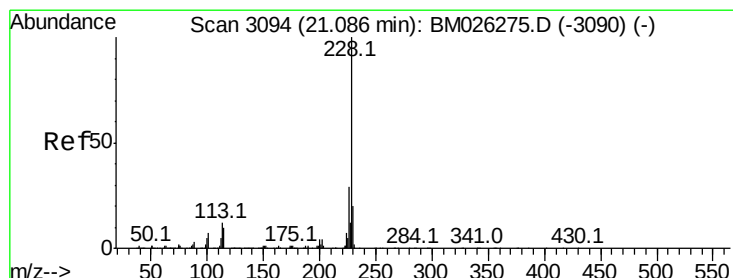
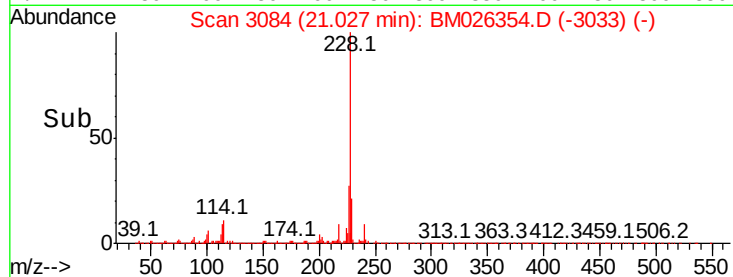
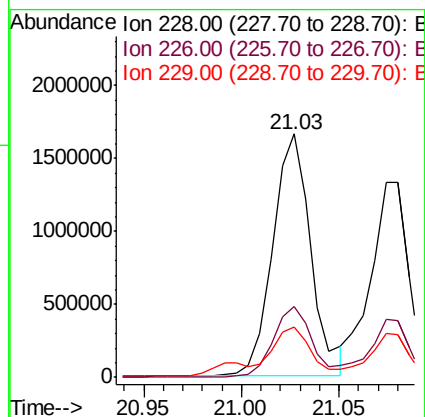
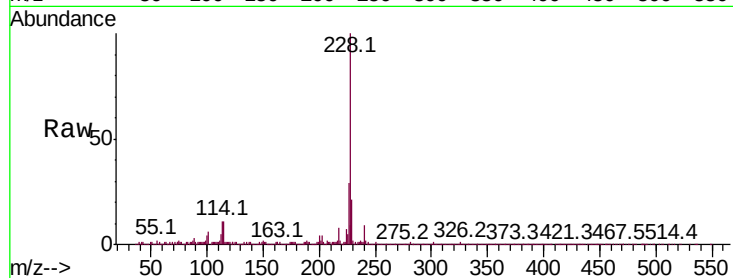
Tot Ion:228 Resp: 2247765

Ion Ratio Lower Upper

228 100

226 29.3 21.7 32.5

229 20.6 15.9 23.9



#83

Chrysene

Concen: 39.735 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

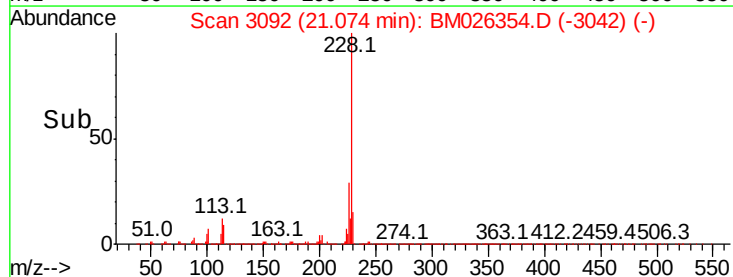
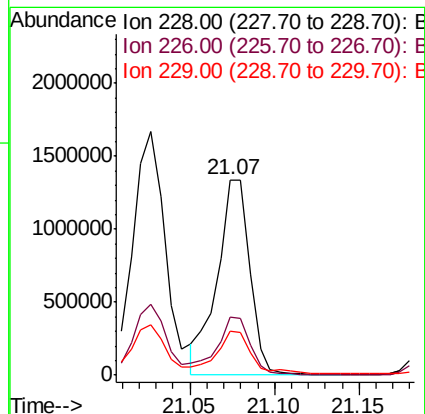
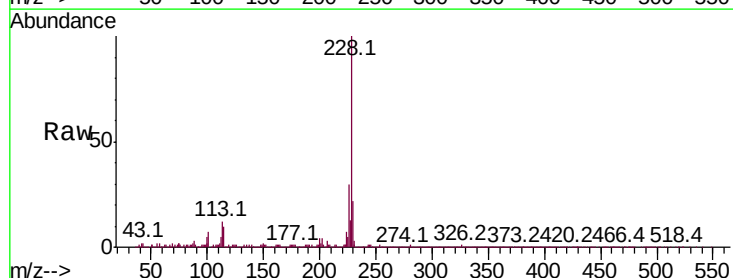
Tgt Ion:228 Resp: 1791379

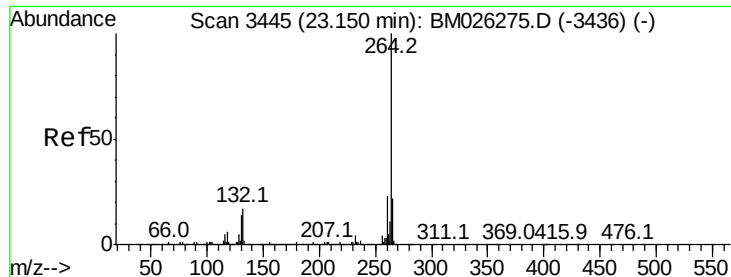
Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

229 22.4 15.8 23.6

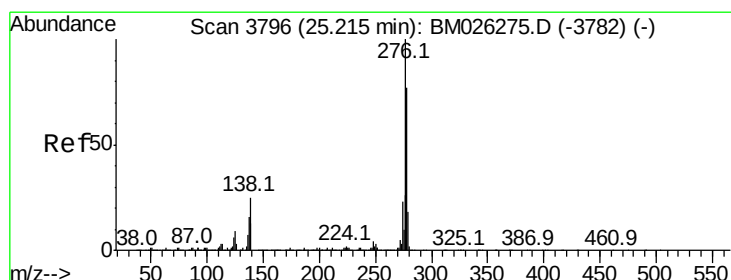
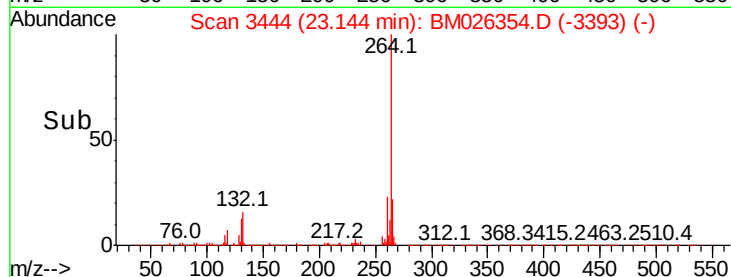
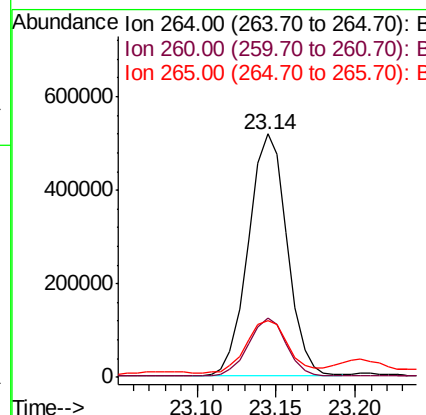
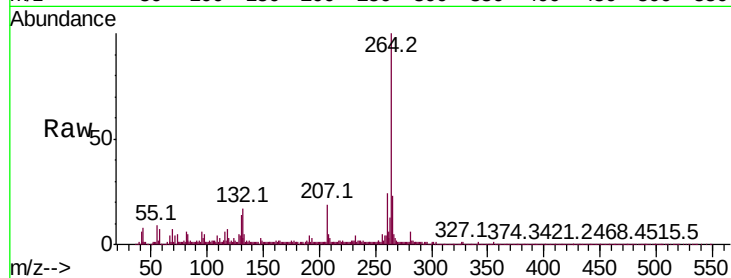




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.14 min Scan# 3444
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

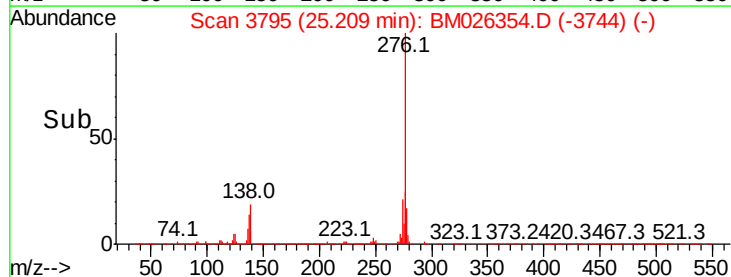
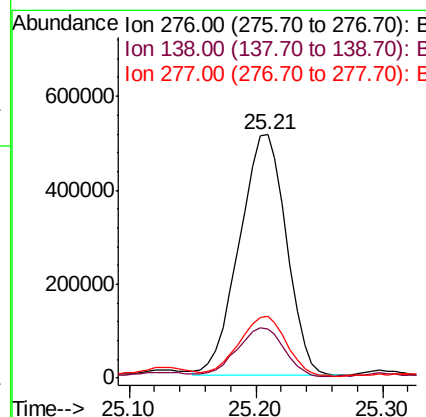
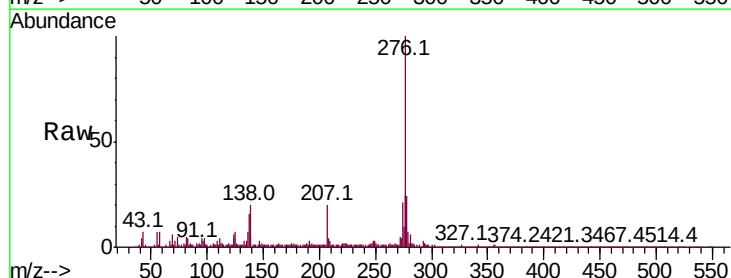
Instrument :
BNA_M
ClientSampleId :
CL-02-060920

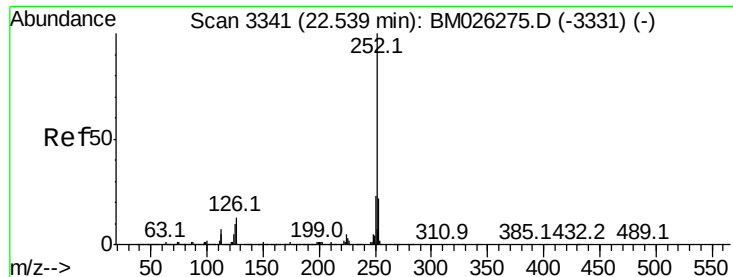
Tot Ion:264 Resp: 878125
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 23.5 18.2 27.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 25.856 ng
RT: 25.21 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion:276 Resp: 1313412
Ion Ratio Lower Upper
276 100
138 20.0 19.8 29.8
277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 48.744 ng

RT: 22.53 min Scan# 3340

Delta R.T. 0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

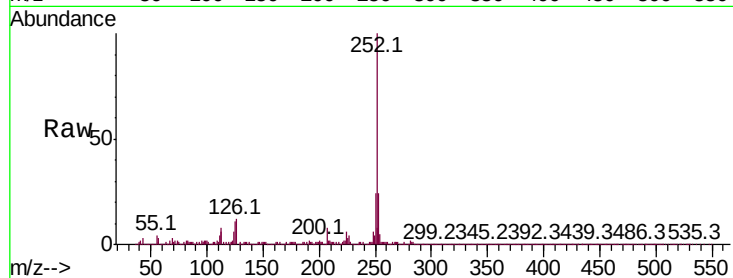
Tot Ion:252 Resp: 2574854

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

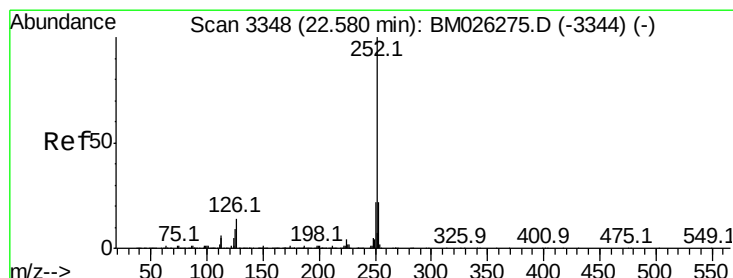
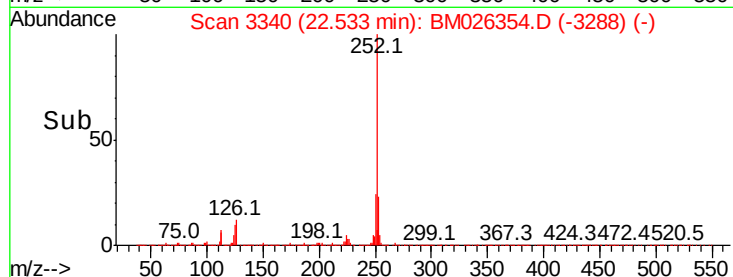
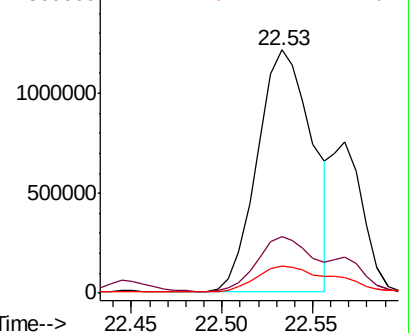
125 11.2 7.9 11.9



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



#89

Benzo(k)fluoranthene

Concen: 50.173 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.04 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

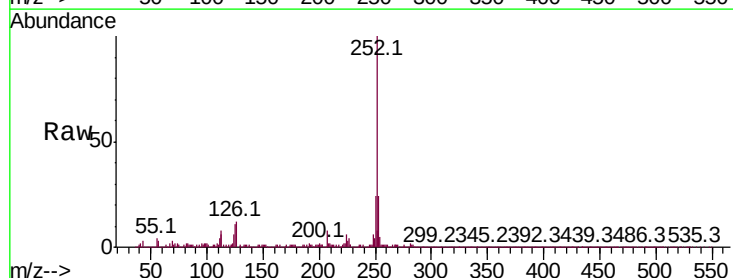
Tgt Ion:252 Resp: 2574854

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

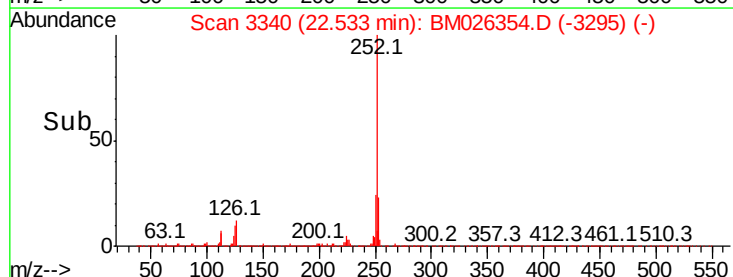
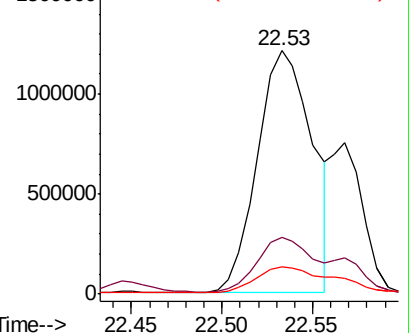
125 11.2 7.8 11.6

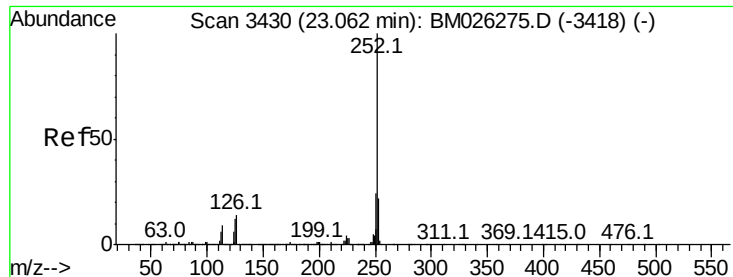


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 43.470 ng

RT: 23.06 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

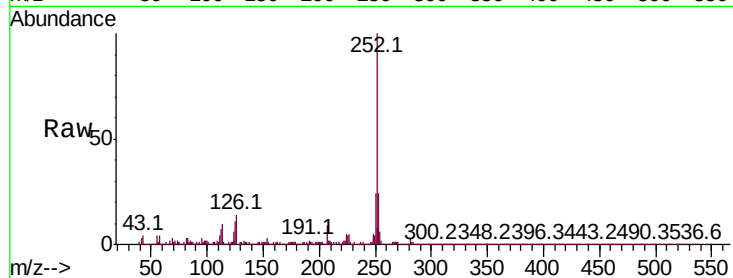
Tot Ion:252 Resp: 2039471

Ion Ratio Lower Upper

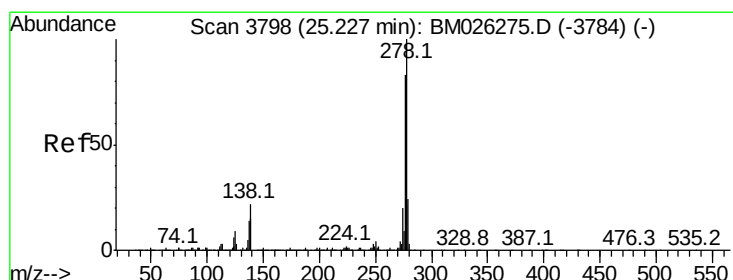
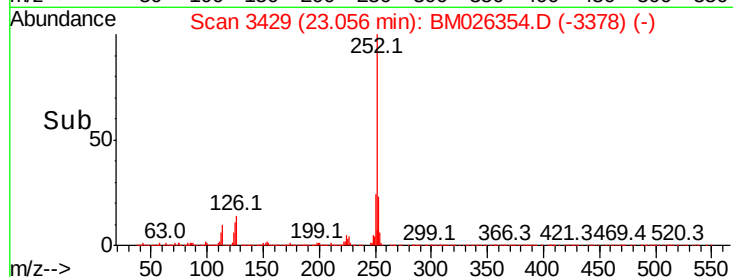
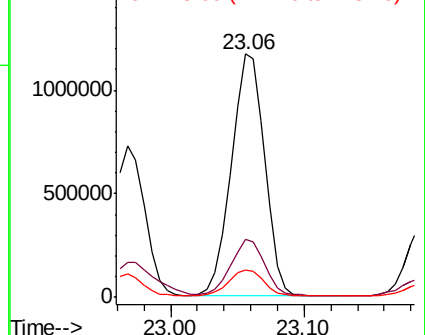
252 100

253 23.6 17.5 26.3

125 11.5 9.4 14.0



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

Dibenzo(a,h)anthracene

Concen: 7.879 ng

RT: 25.20 min Scan# 3794

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

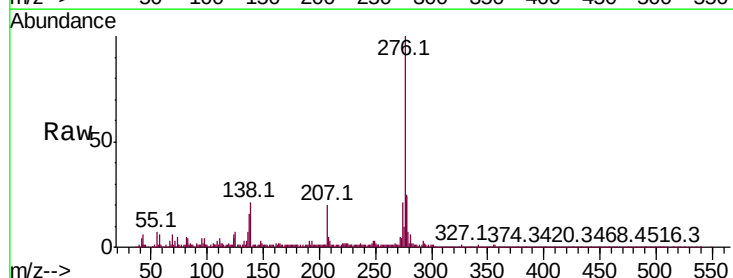
Tgt Ion:278 Resp: 334130

Ion Ratio Lower Upper

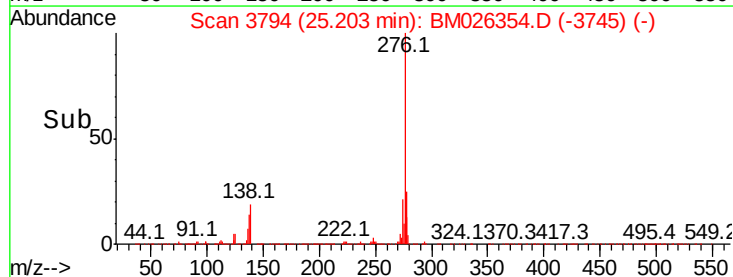
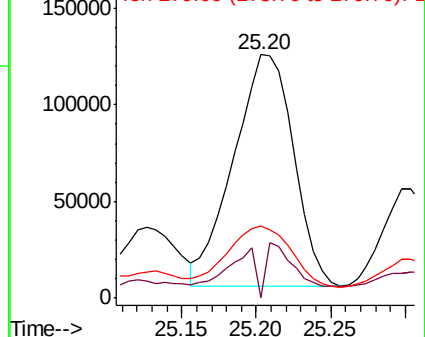
278 100

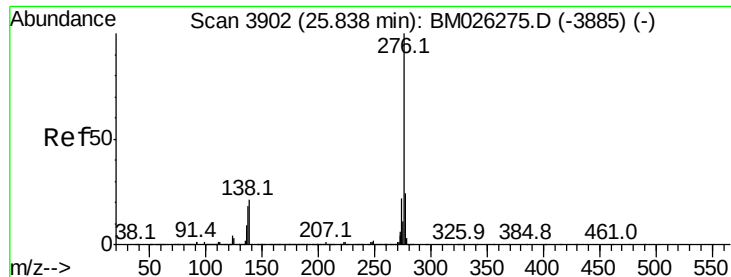
139 0.0 11.9 17.9#

279 29.8 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(a,h,i)perylene

Concen: 31.772 ng

RT: 25.83 min Scan# 3901

Delta R.T. 0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

ClientSampleId :

CL-02-060920

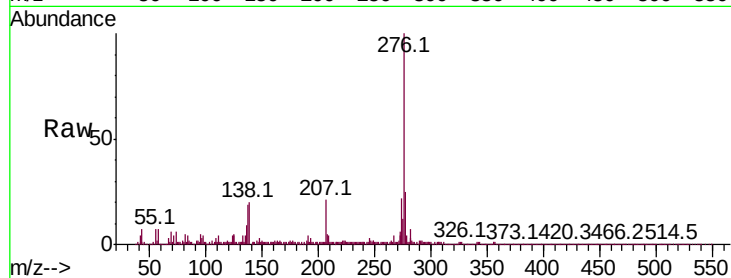
Tot Ion:276 Resp: 1282140

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 20.2 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

