

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060920\
 Data File : BM026303.D
 Acq On : 09 Jun 2020 14:40
 Operator : JU/CG
 Sample : L2939-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 2020-06-02-FD02

Quant Time: Jun 09 15:12:57 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	7.43	152	153323	20.00	ng	0.00
21) Naphthalene-d8	10.19	136	612362	20.00	ng	0.00
39) Acenaphthene-d10	14.08	164	364654	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	747562	20.00	ng	0.00
76) Chrysene-d12	21.04	240	744520	20.00	ng	0.00
86) Perylene-d12	23.15	264	804975	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	1025771	118.29	ng	0.00
7) Phenol-d6	6.64	99	1417829	112.91	ng	0.00
23) Nitrobenzene-d5	8.57	82	952941	76.41	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	522687	118.33	ng	0.00
45) 2-Fluorobiphenyl	12.69	172	1904864	79.29	ng	0.00
79) Terphenyl-d14	19.49	244	2890424	75.36	ng	0.00

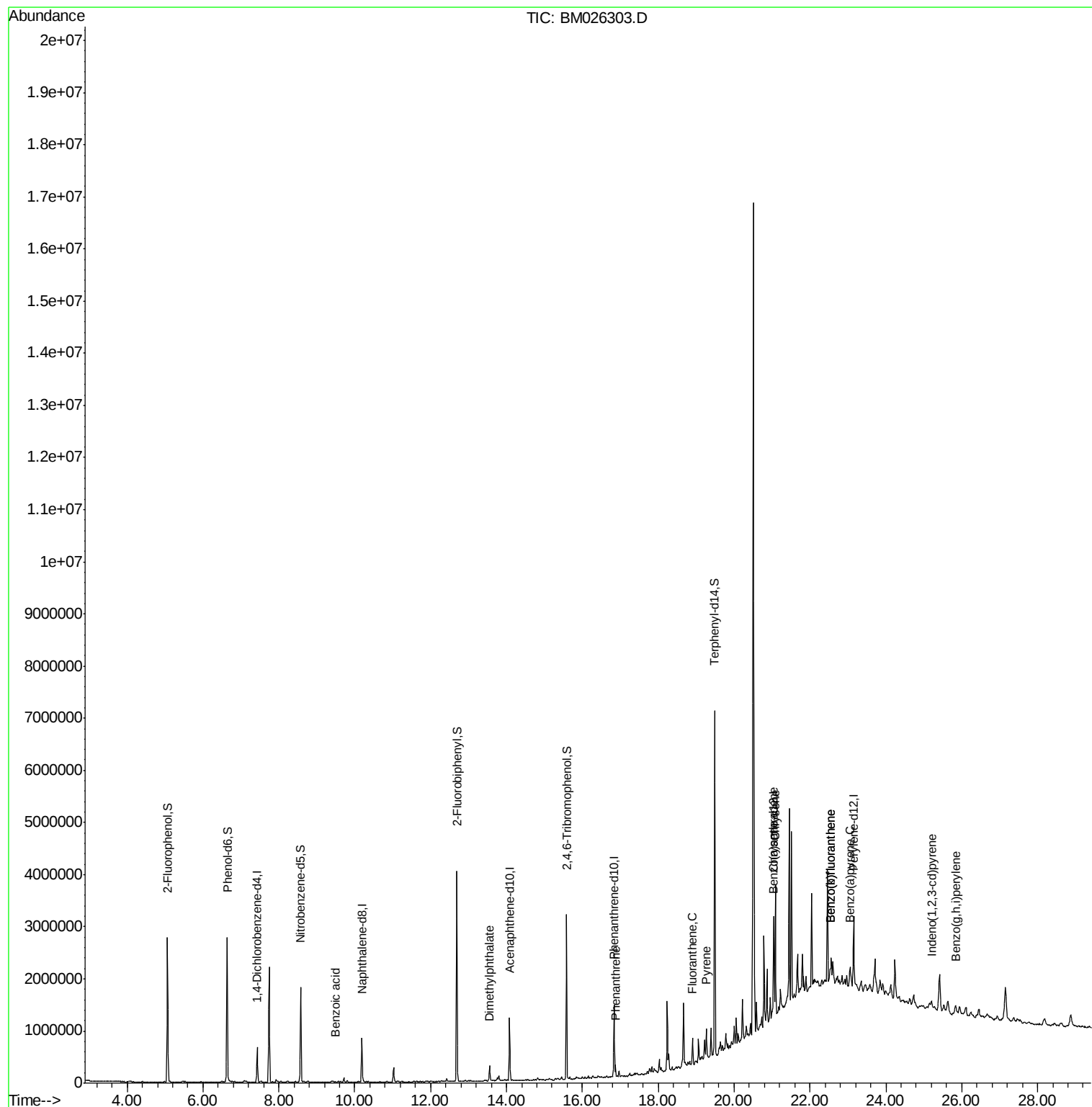
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.49	122	3233	5.603	ng	# 82
50) Dimethylphthalate	13.55	163	150520	5.643	ng	98
71) Phenanthrene	16.87	178	107978	2.774	ng	99
75) Fluoranthene	18.90	202	293960	6.586	ng	99
78) Pyrene	19.27	202	308844	6.278	ng	99
81) Benzo(a)anthracene	21.03	228	164191	3.674	ng	# 86
83) Chrysene	21.08	228	183298	4.304	ng	# 92
87) Indeno(1,2,3-cd)pyrene	25.21	276	130772	2.808	ng	96
88) Benzo(b)fluoranthene	22.53	252	320067	6.610	ng	# 87
89) Benzo(k)fluoranthene	22.53	252	320067	6.803	ng	# 86
90) Benzo(a)pyrene	23.06	252	170925	3.974	ng	# 88
92) Benzo(a,h,i)perylene	25.84	276	162153	4.383	ng	97

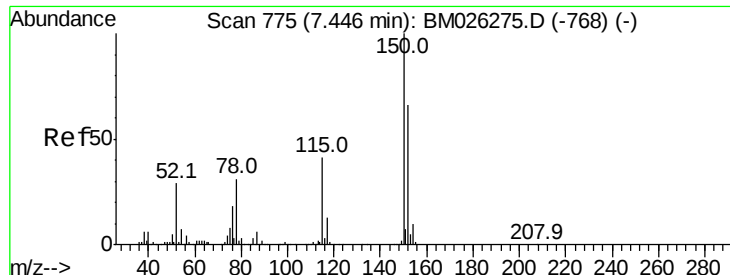
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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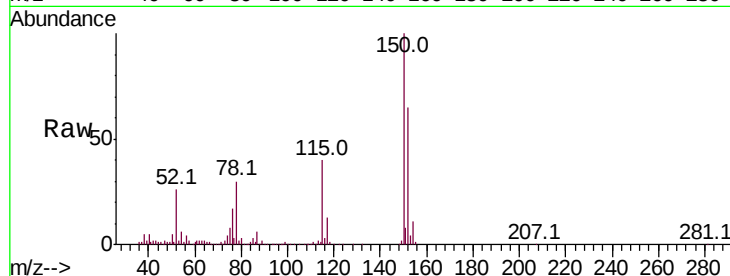


#1

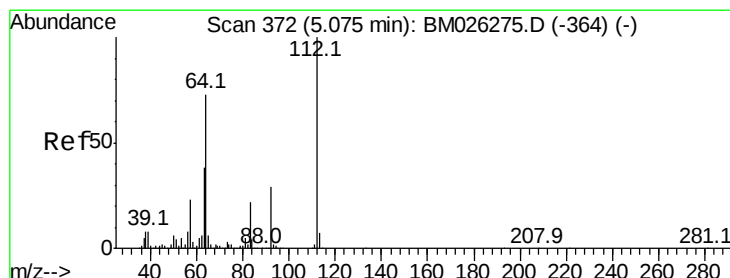
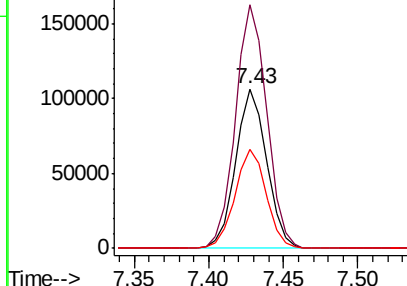
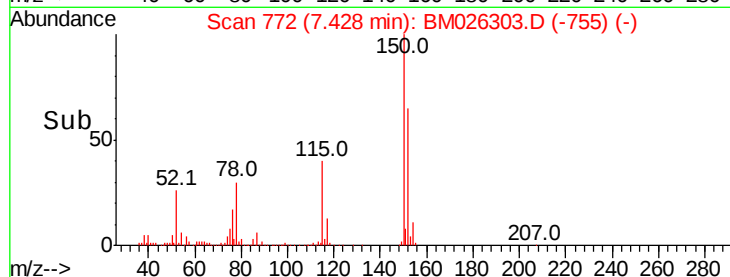
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion:152 Resp: 153323
Ion Ratio Lower Upper
152 100
150 152.9 122.1 183.1
115 61.8 49.7 74.5



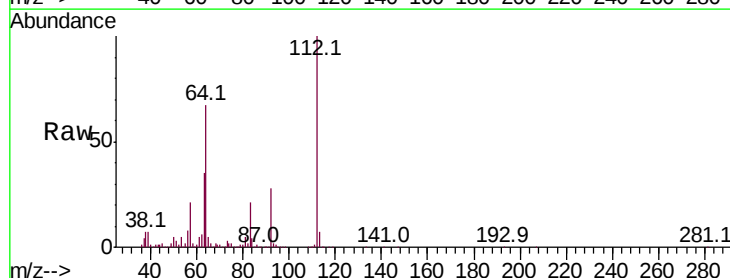
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



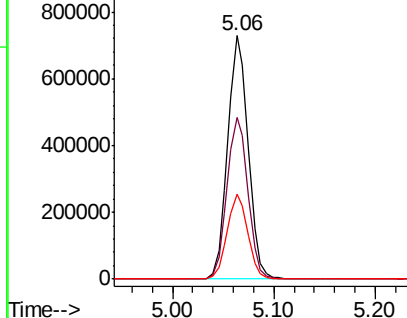
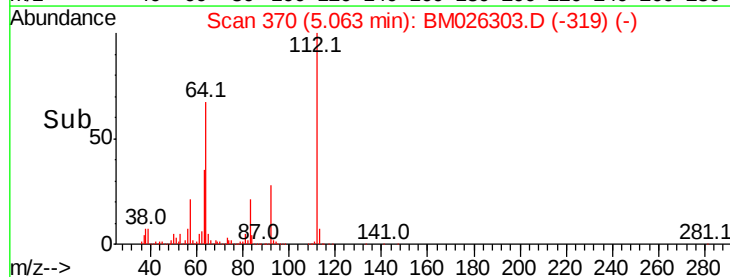
#5

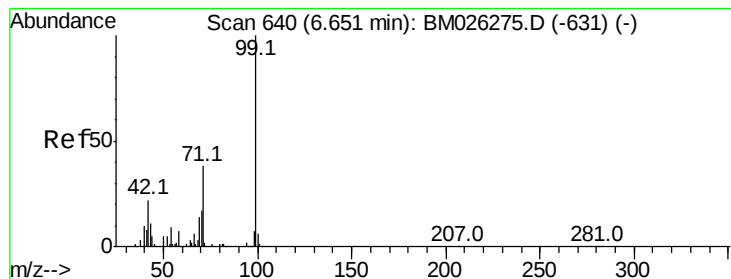
2-Fluorophenol
Concen: 118.286 ng
RT: 5.06 min Scan# 370
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion:112 Resp: 1025771
Ion Ratio Lower Upper
112 100
64 66.5 58.1 87.1
63 34.7 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: 112.908 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

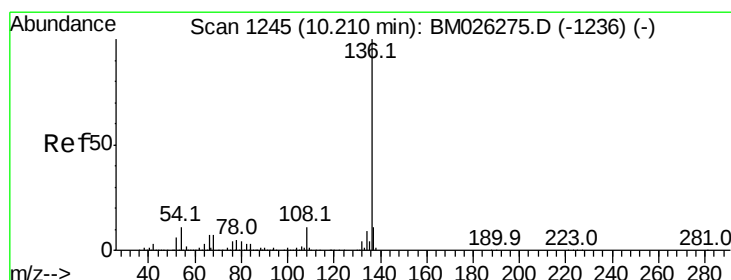
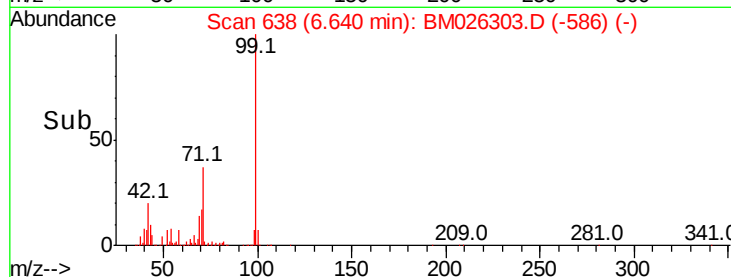
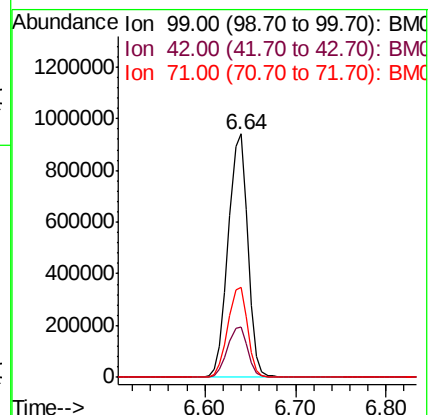
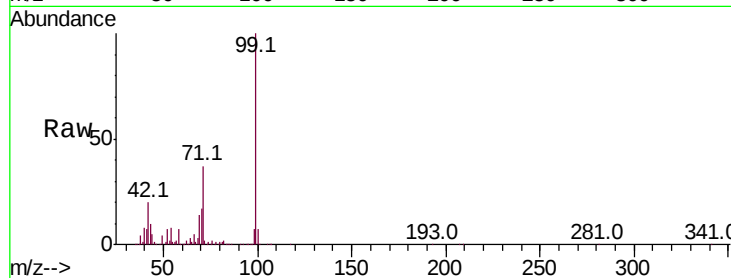
Tot Ion: 99 Resp: 1417829

Ion Ratio Lower Upper

99 100

42 20.4 18.0 27.0

71 36.8 30.6 45.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Tgt Ion: 136 Resp: 612362

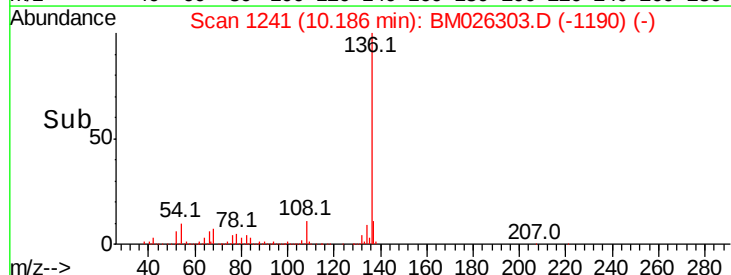
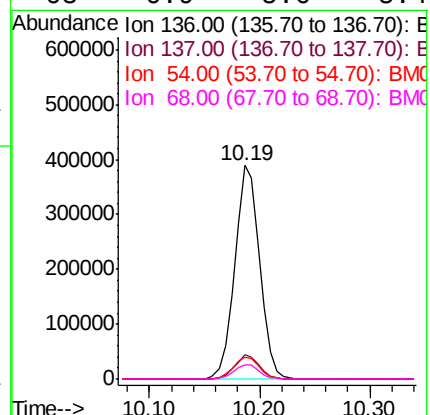
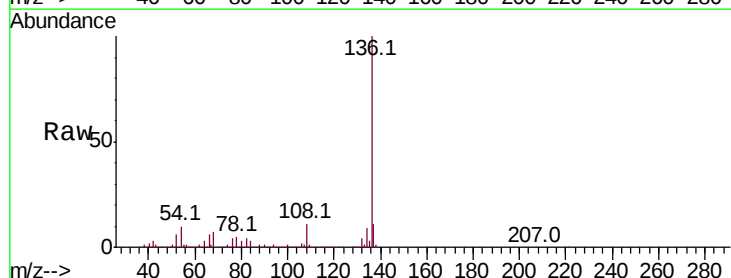
Ion Ratio Lower Upper

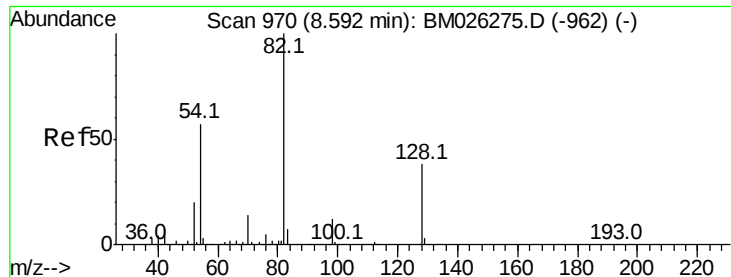
136 100

137 11.1 8.6 13.0

54 10.4 9.0 13.4

68 6.9 5.6 8.4

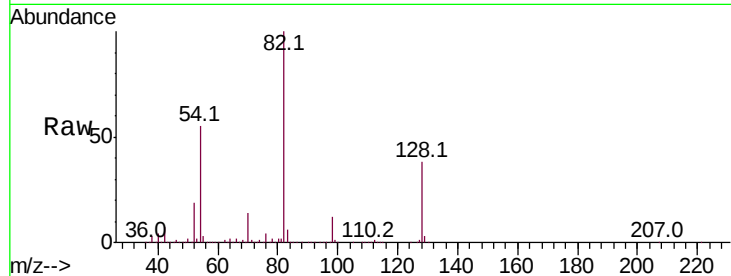




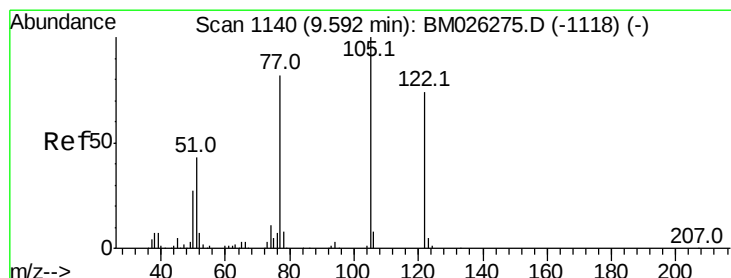
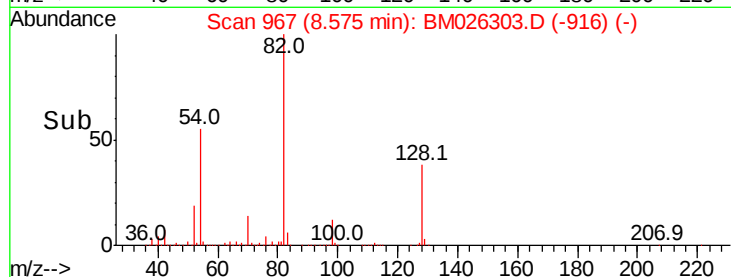
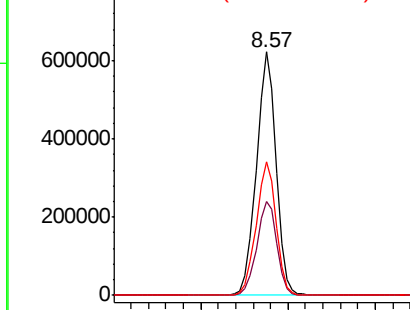
#23
Nitrobenzene-d5
Concen: 76.408 ng
RT: 8.57 min Scan# 967
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion: 82 Resp: 952941
Ion Ratio Lower Upper
82 100
128 38.5 30.3 45.5
54 54.7 45.4 68.2

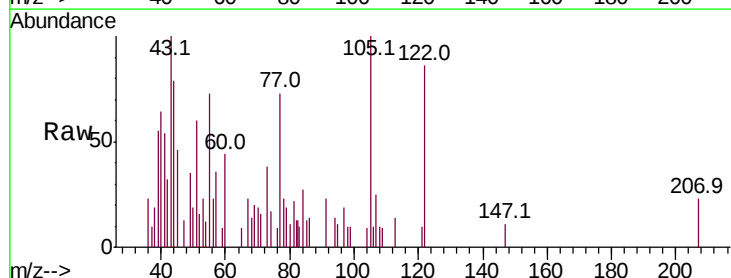


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0

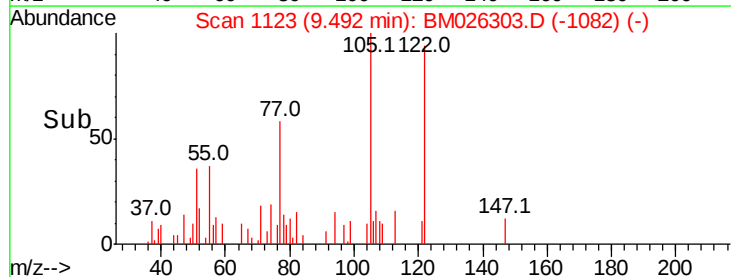
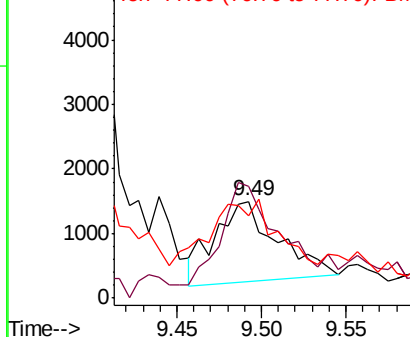


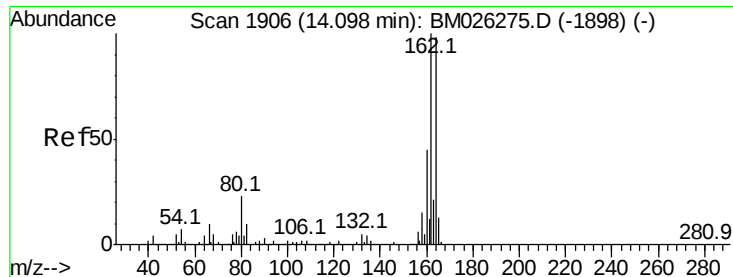
#32
Benzoic acid
Concen: 5.603 ng
RT: 9.49 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion: 122 Resp: 3233
Ion Ratio Lower Upper
122 100
105 116.2 112.4 152.4
77 85.3 89.8 129.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0

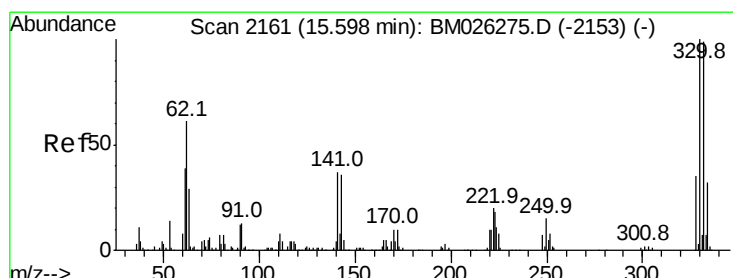
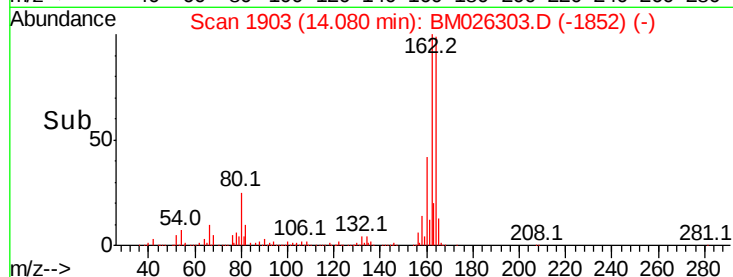
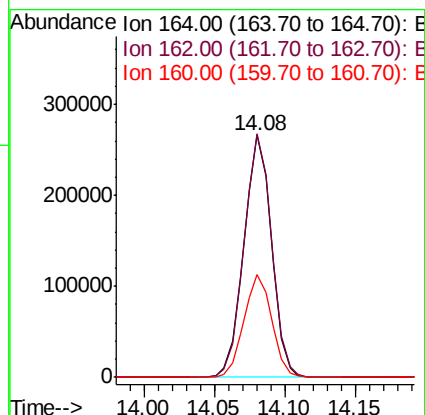
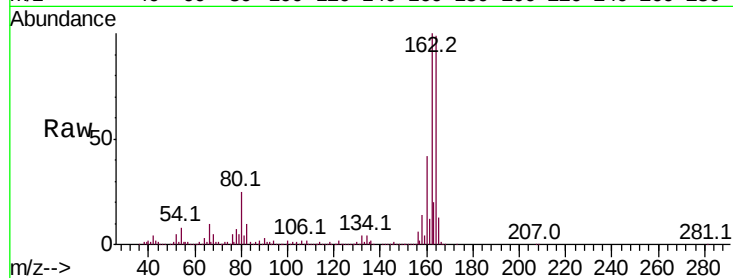




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

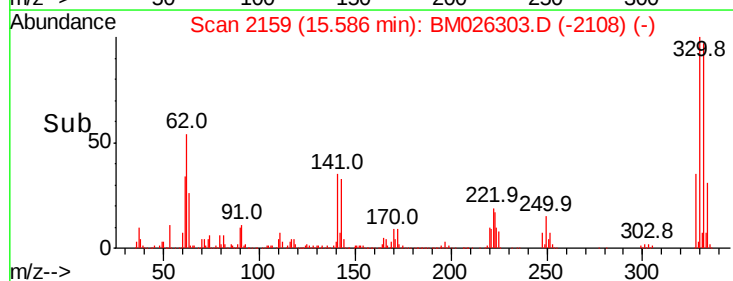
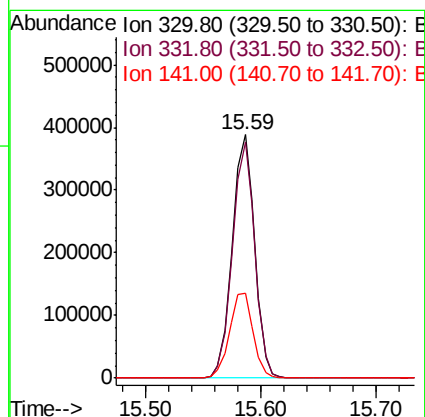
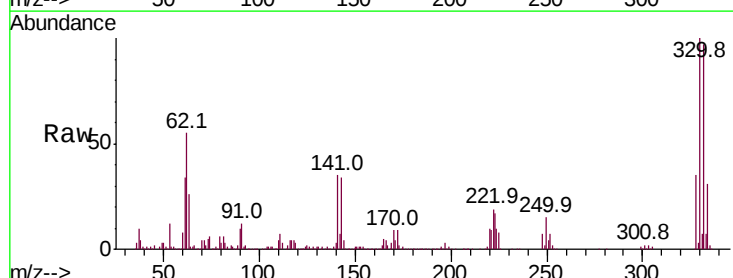
Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

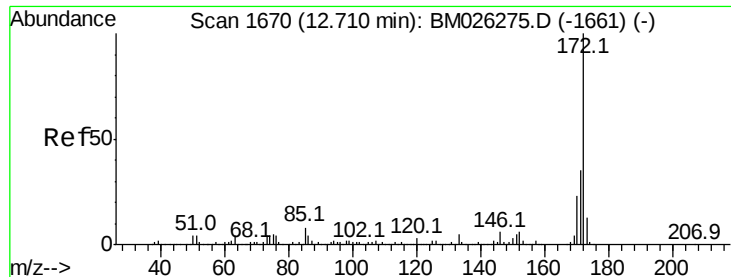
Tot Ion:164 Resp: 364654
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.2
160 42.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 118.329 ng
RT: 15.59 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion:330 Resp: 522687
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 36.2 30.0 45.0

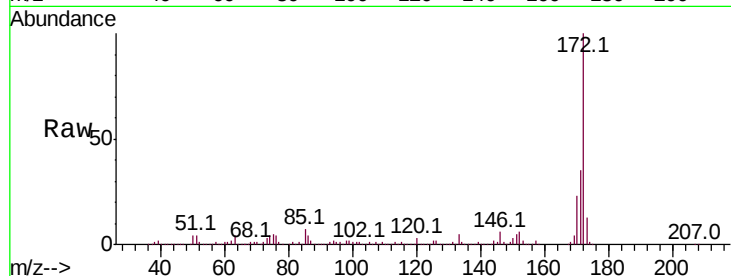




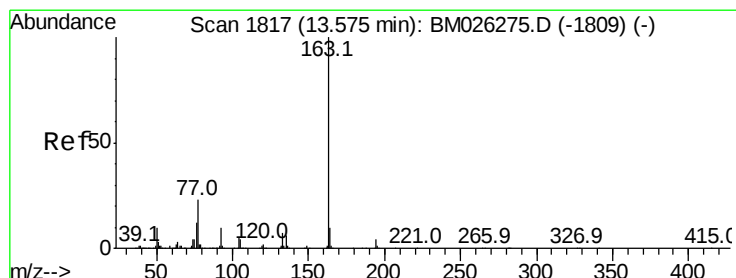
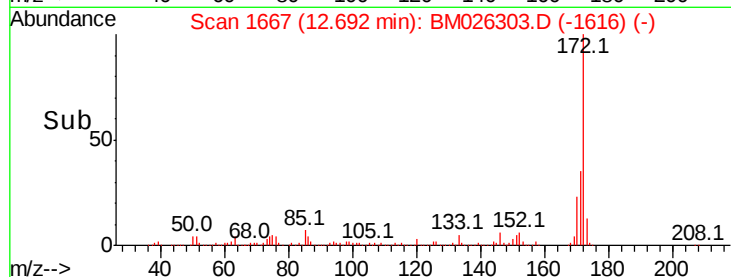
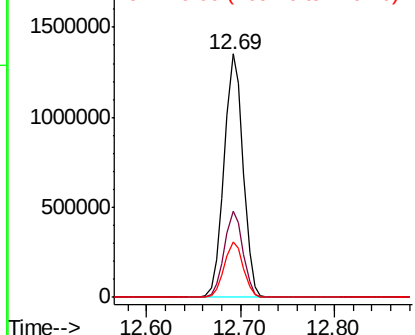
#45
2-Fluorobiphenyl
Concen: 79.295 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion:172 Resp: 1904864
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 22.8 18.3 27.5

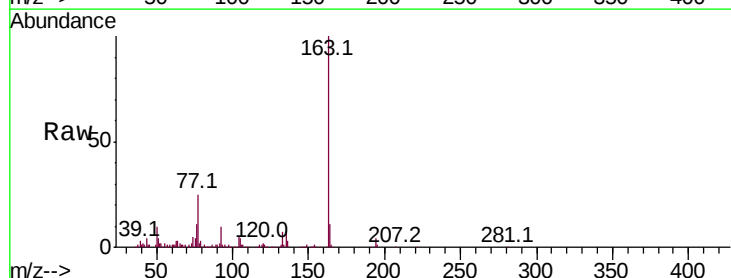


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

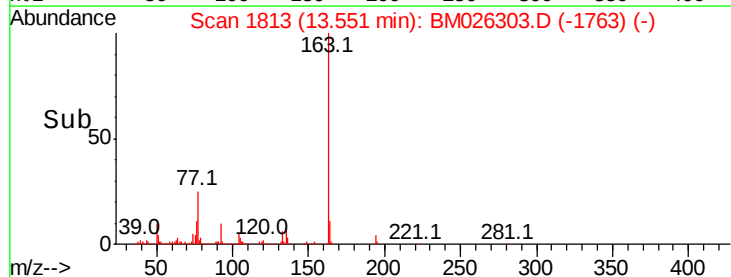
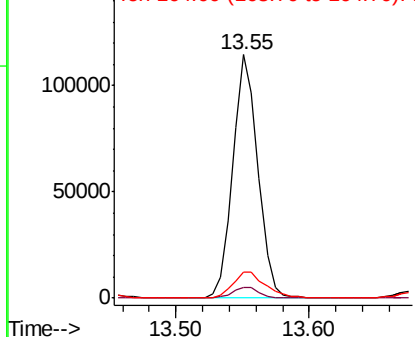


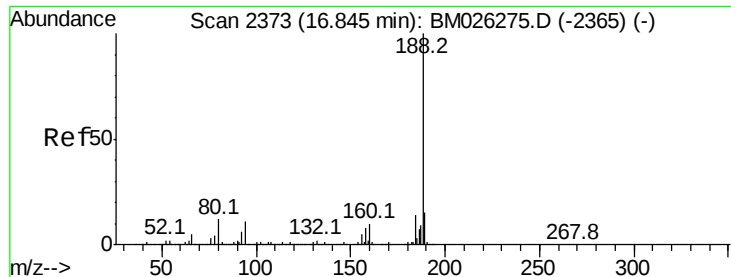
#50
Dimethylphthalate
Concen: 5.643 ng
RT: 13.55 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion:163 Resp: 150520
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.8 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2371

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

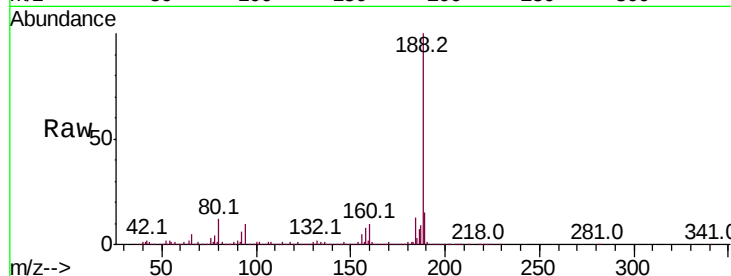
Tot Ion:188 Resp: 747562

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

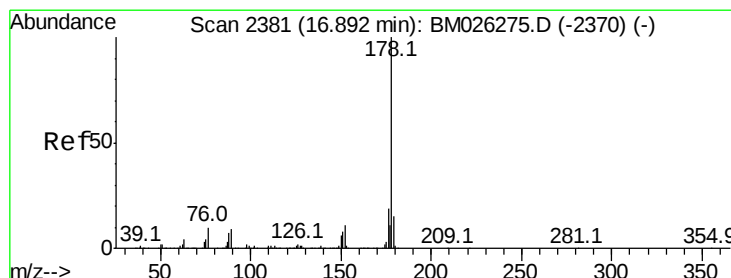
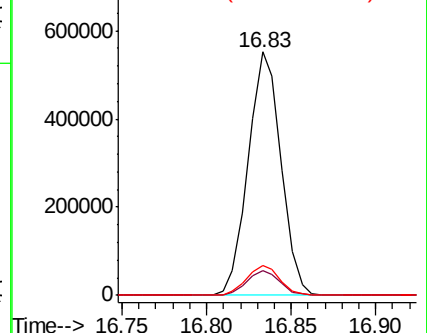
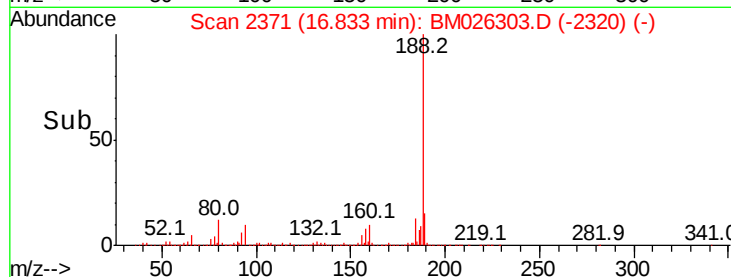
80 12.4 9.7 14.5



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: 2.774 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

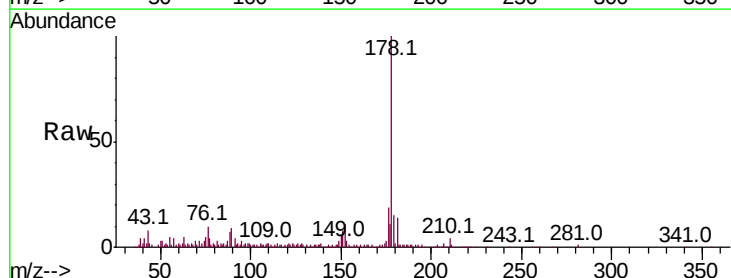
Tgt Ion:178 Resp: 107978

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

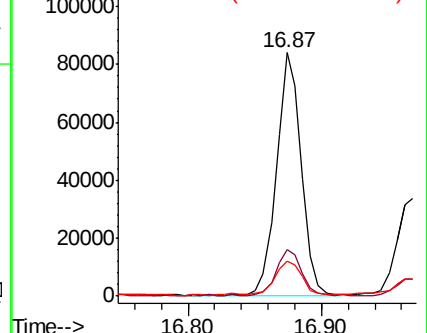
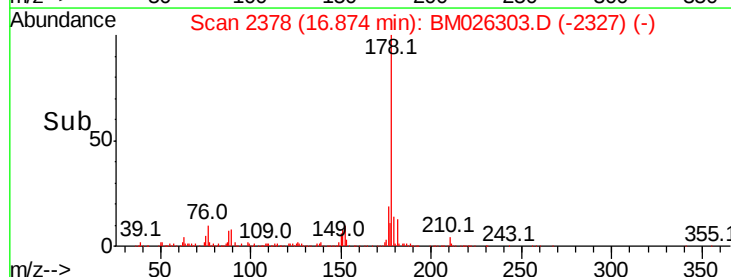
179 14.6 12.0 18.0

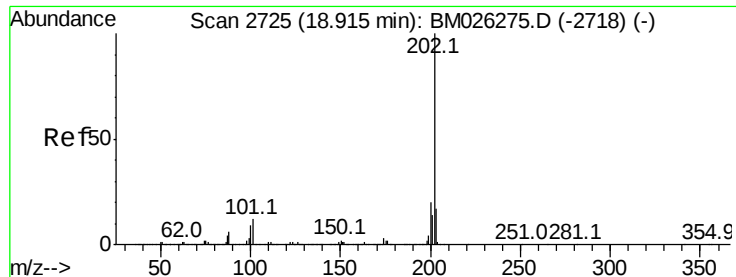


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.586 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

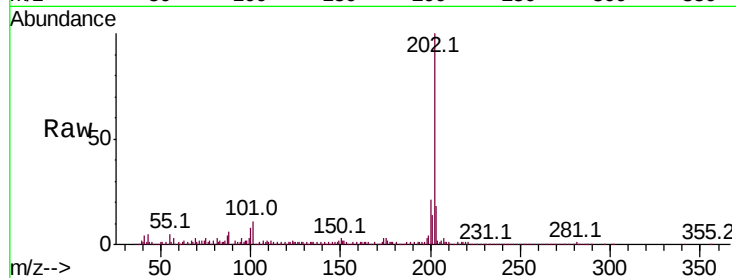
Tot Ion:202 Resp: 293960

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.6

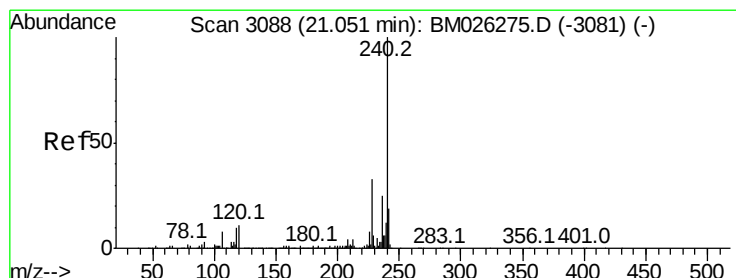
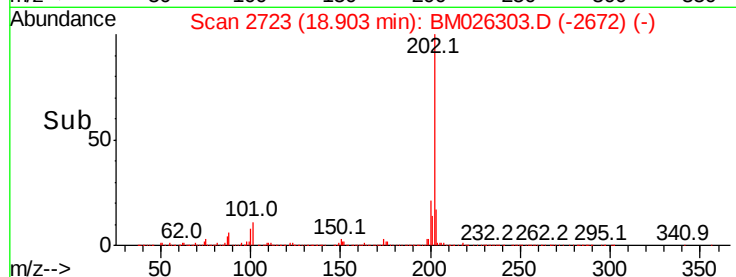
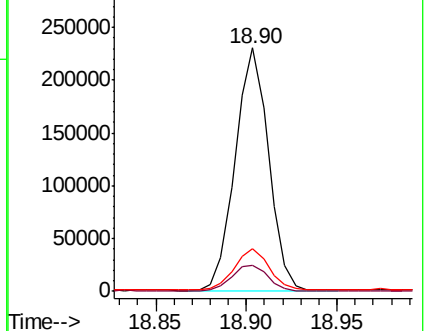
203 17.5 0.0 37.4



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# 3087

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

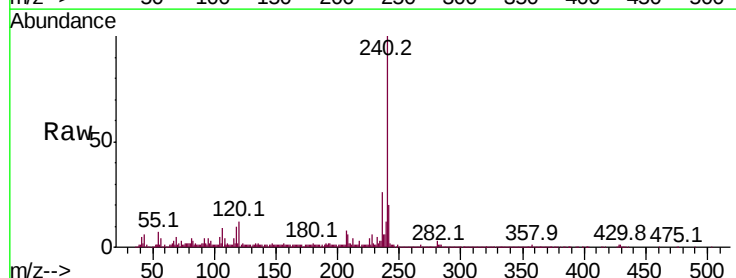
Tgt Ion:240 Resp: 744520

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

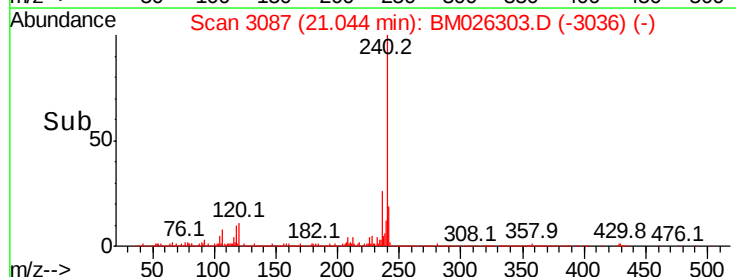
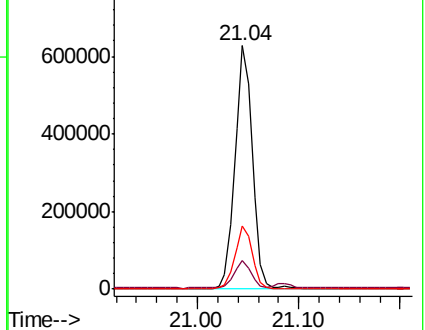
236 26.0 19.7 29.5

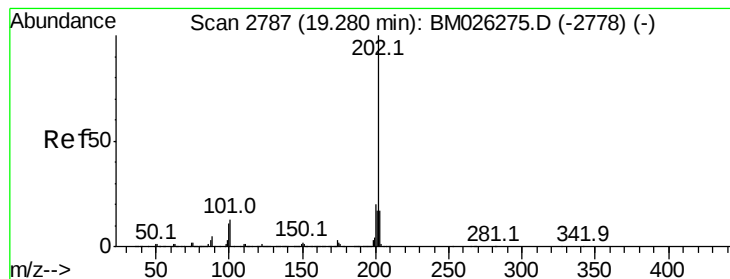


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.278 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

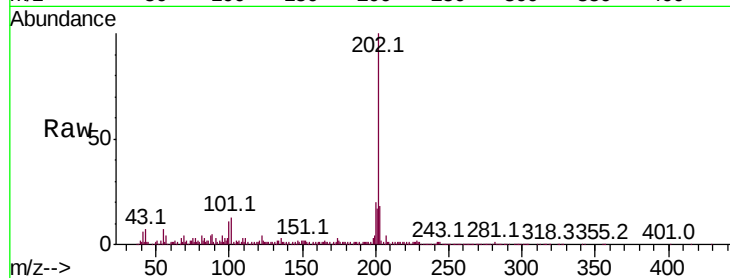
Tot Ion:202 Resp: 308844

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

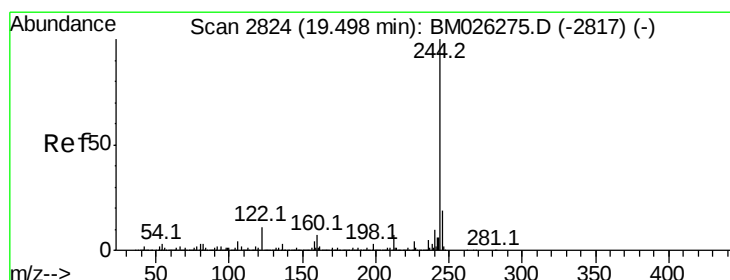
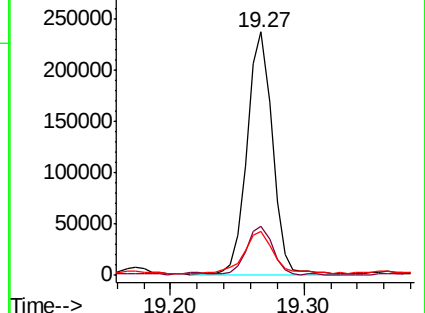
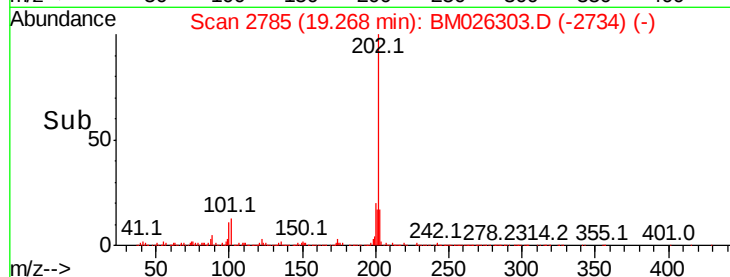
203 17.9 13.8 20.8



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: 75.362 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

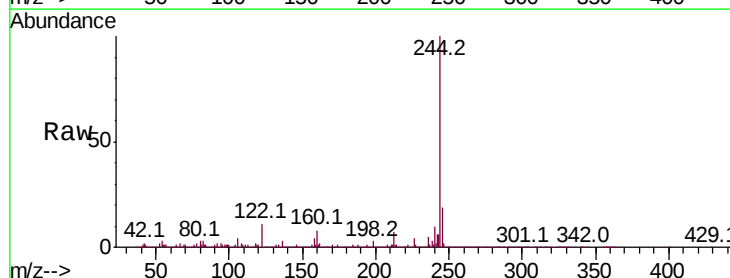
Tgt Ion:244 Resp: 2890424

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

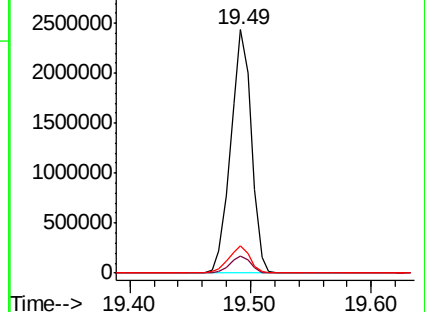
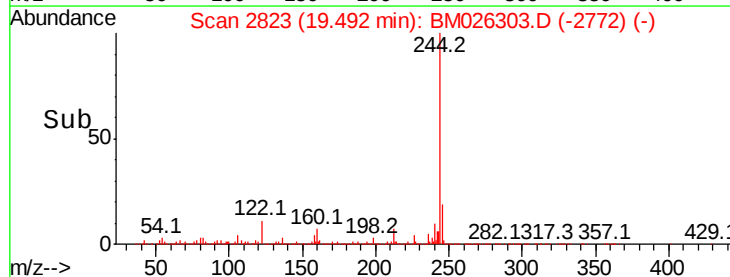
122 11.3 9.1 13.7

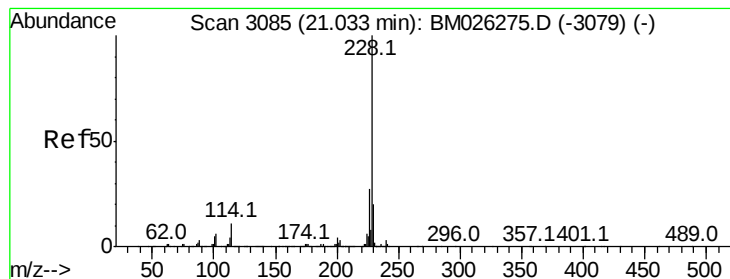


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.674 ng

RT: 21.03 min Scan# 3085

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

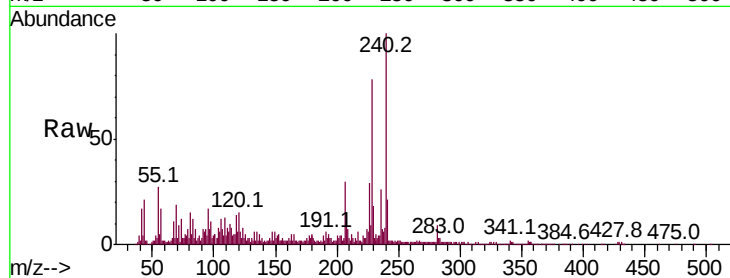
Tot Ion:228 Resp: 164191

Ion Ratio Lower Upper

228 100

226 37.4 21.7 32.5#

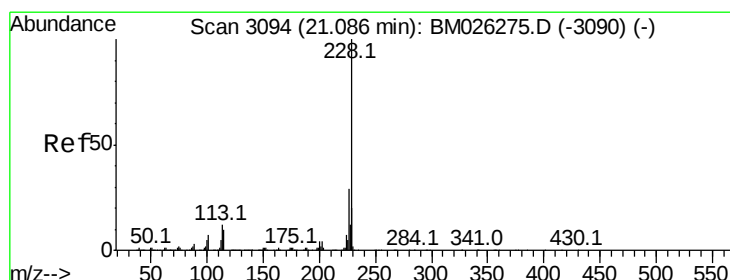
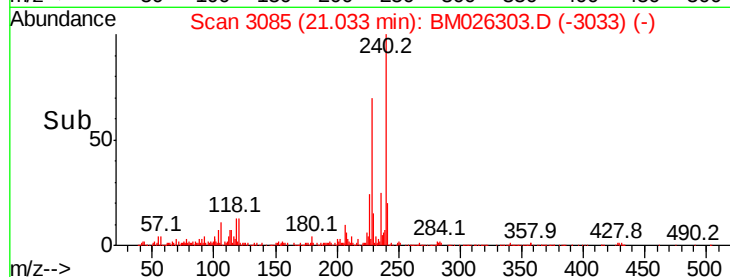
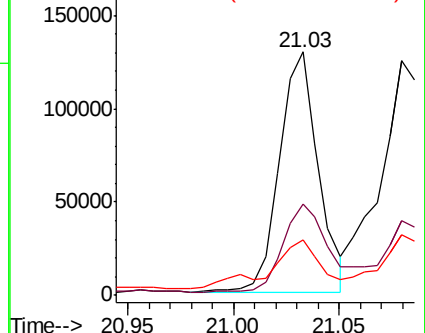
229 23.0 15.9 23.9



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: 4.304 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

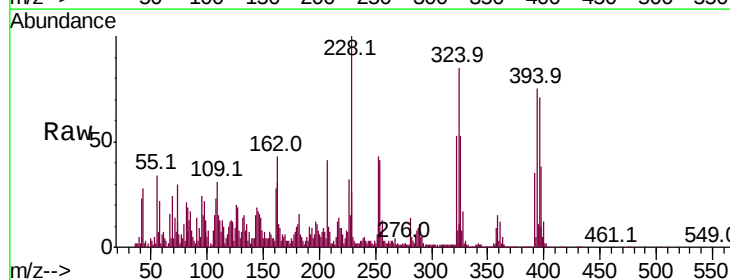
Tgt Ion:228 Resp: 183298

Ion Ratio Lower Upper

228 100

226 31.7 23.5 35.3

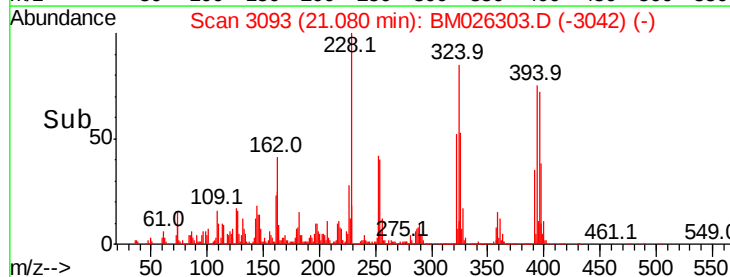
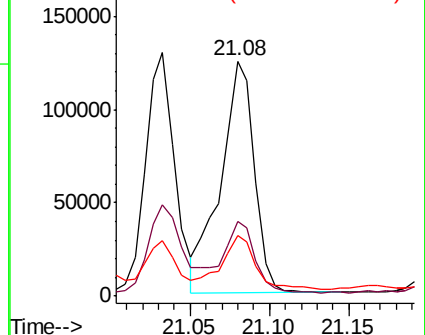
229 25.6 15.8 23.6#

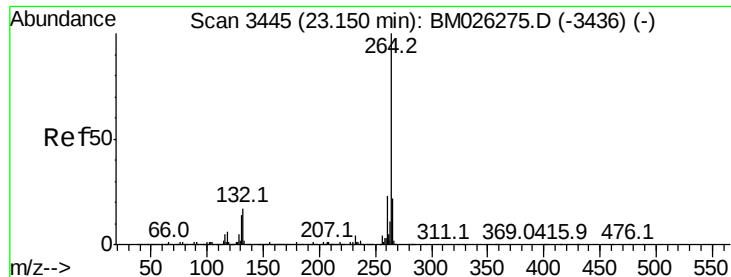


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

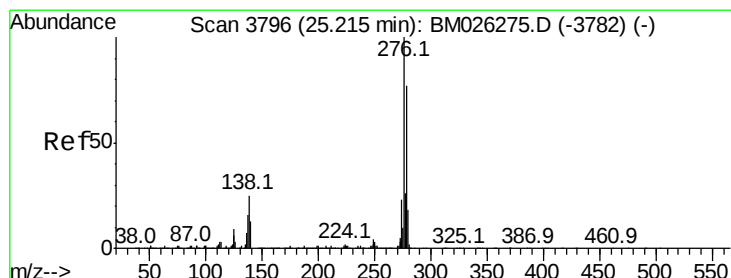
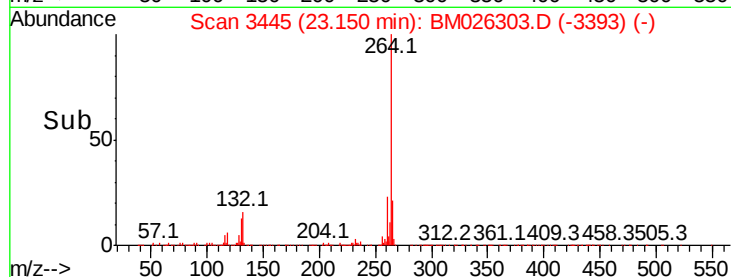
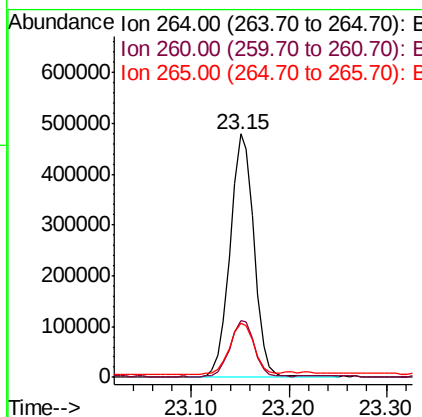
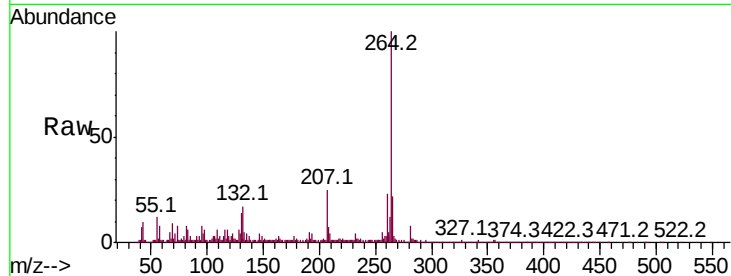




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

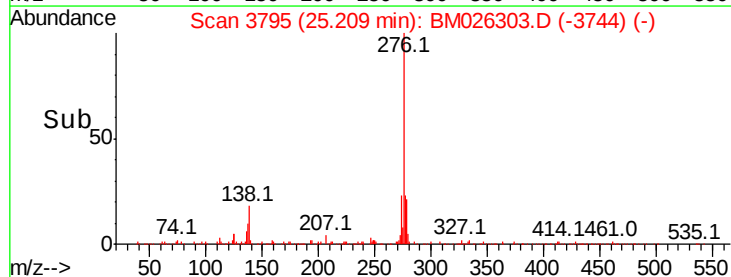
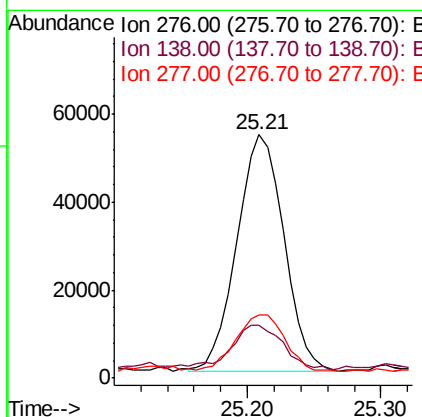
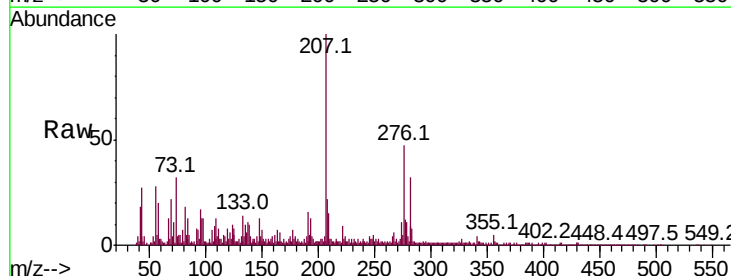
Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

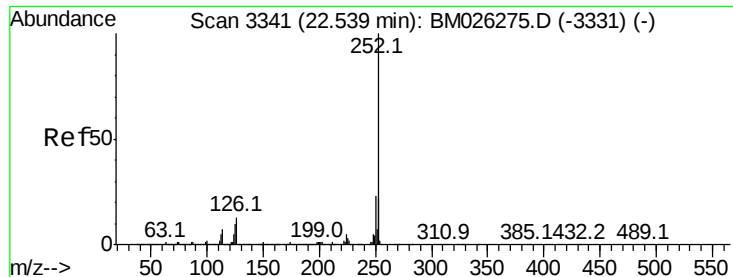
Tot Ion:264 Resp: 804975
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.5 18.2 27.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.808 ng
RT: 25.21 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion:276 Resp: 130772
Ion Ratio Lower Upper
276 100
138 20.9 19.8 29.8
277 25.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 6.610 ng

RT: 22.53 min Scan# 3340

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

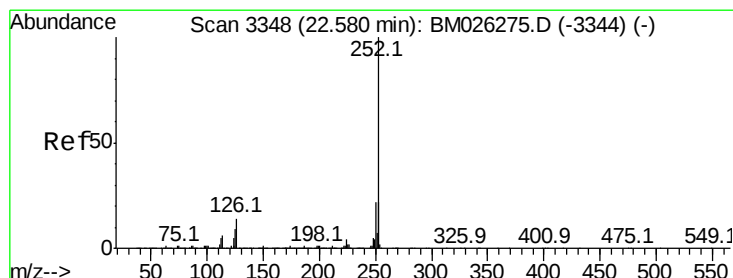
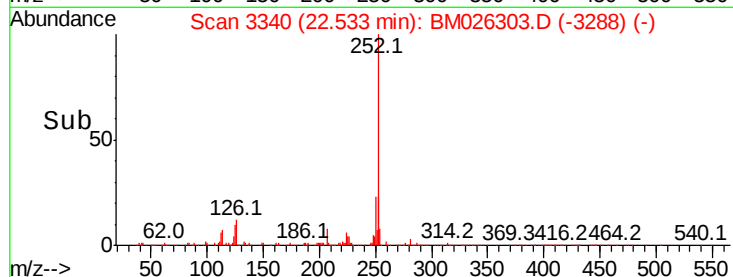
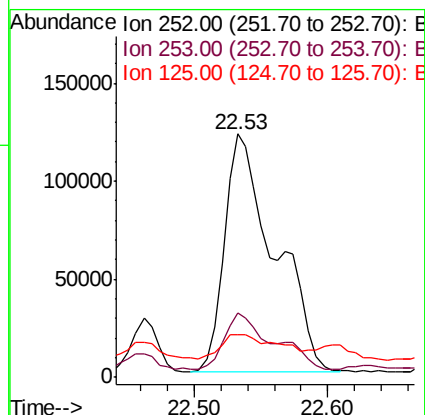
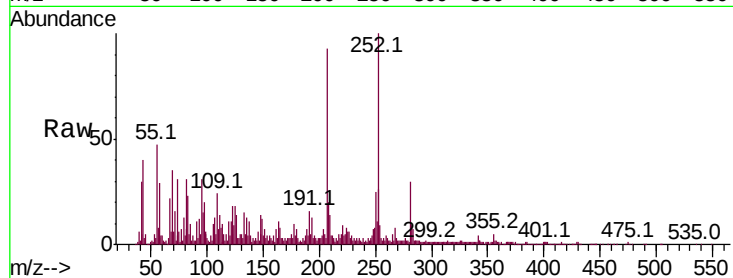
Tot Ion:252 Resp: 320067

Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4

125 17.6 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 6.803 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.04 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

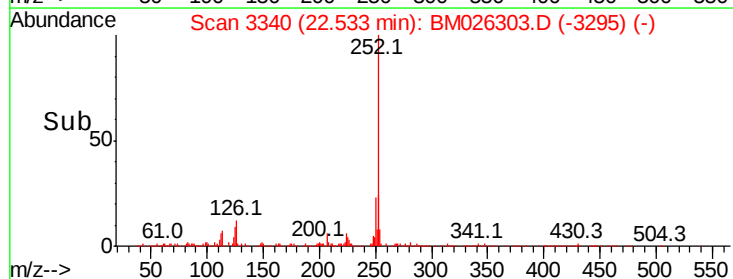
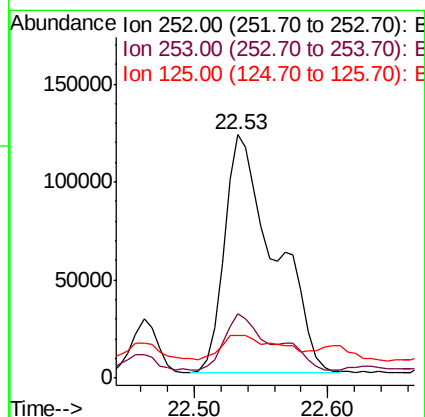
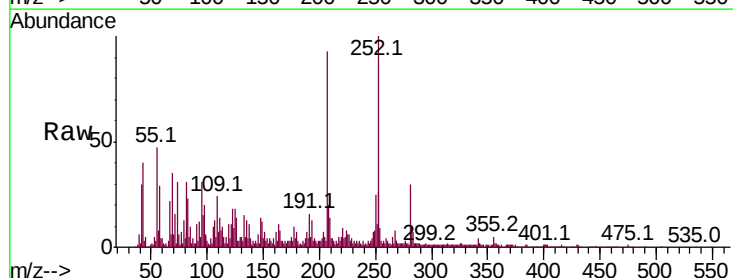
Tgt Ion:252 Resp: 320067

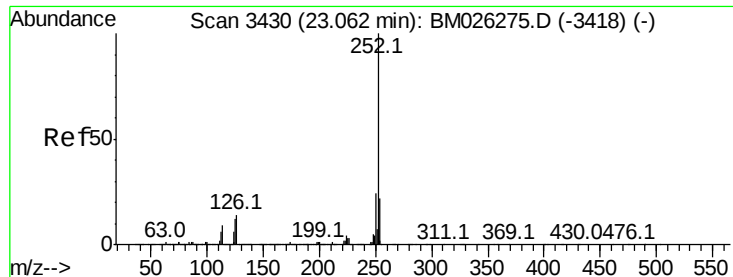
Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 17.6 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 3.974 ng

RT: 23.06 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

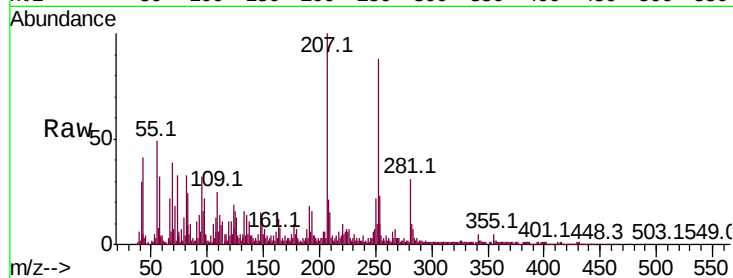
Tot Ion:252 Resp: 170925

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

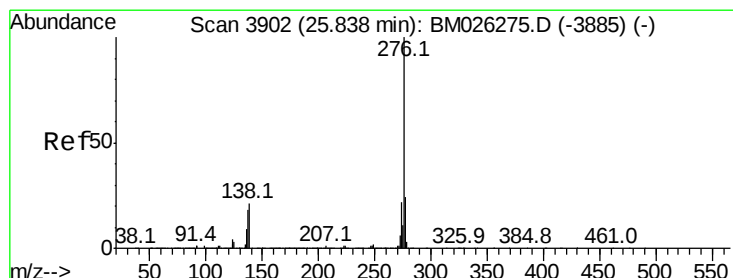
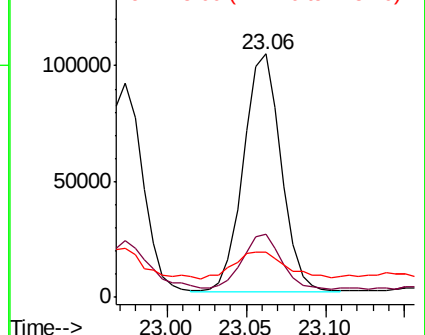
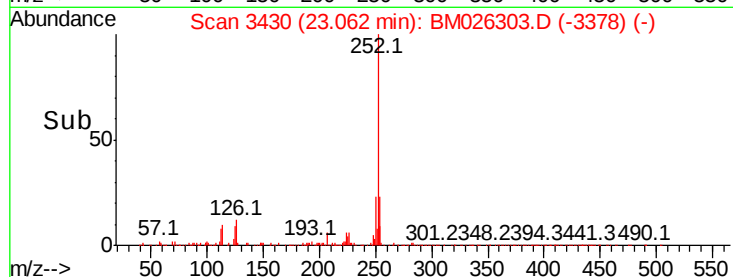
125 18.7 9.4 14.0#



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



#92

Benzo(g,h,i)perylene

Concen: 4.383 ng

RT: 25.84 min Scan# 3902

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

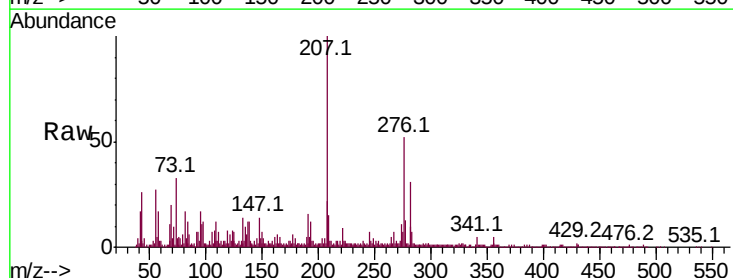
Tgt Ion:276 Resp: 162153

Ion Ratio Lower Upper

276 100

277 24.8 19.3 28.9

138 23.3 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

