

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060920\
 Data File : BM026304.D
 Acq On : 09 Jun 2020 15:17
 Operator : JU/CG
 Sample : L2939-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PHC-326FB-010

Quant Time: Jun 09 15:48:10 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	164556	20.00	ng	0.00
21) Naphthalene-d8	10.19	136	642078	20.00	ng	0.00
39) Acenaphthene-d10	14.08	164	378641	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	770866	20.00	ng	0.00
76) Chrysene-d12	21.05	240	784079	20.00	ng	0.00
86) Perylene-d12	23.16	264	845307	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.07	112	715710	76.90	ng	0.00
7) Phenol-d6	6.64	99	993898	73.75	ng	0.00
23) Nitrobenzene-d5	8.57	82	671588	51.36	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	357918	78.03	ng	0.00
45) 2-Fluorobiphenyl	12.69	172	1350020	54.12	ng	0.00
79) Terphenyl-d14	19.49	244	2040574	50.52	ng	0.00

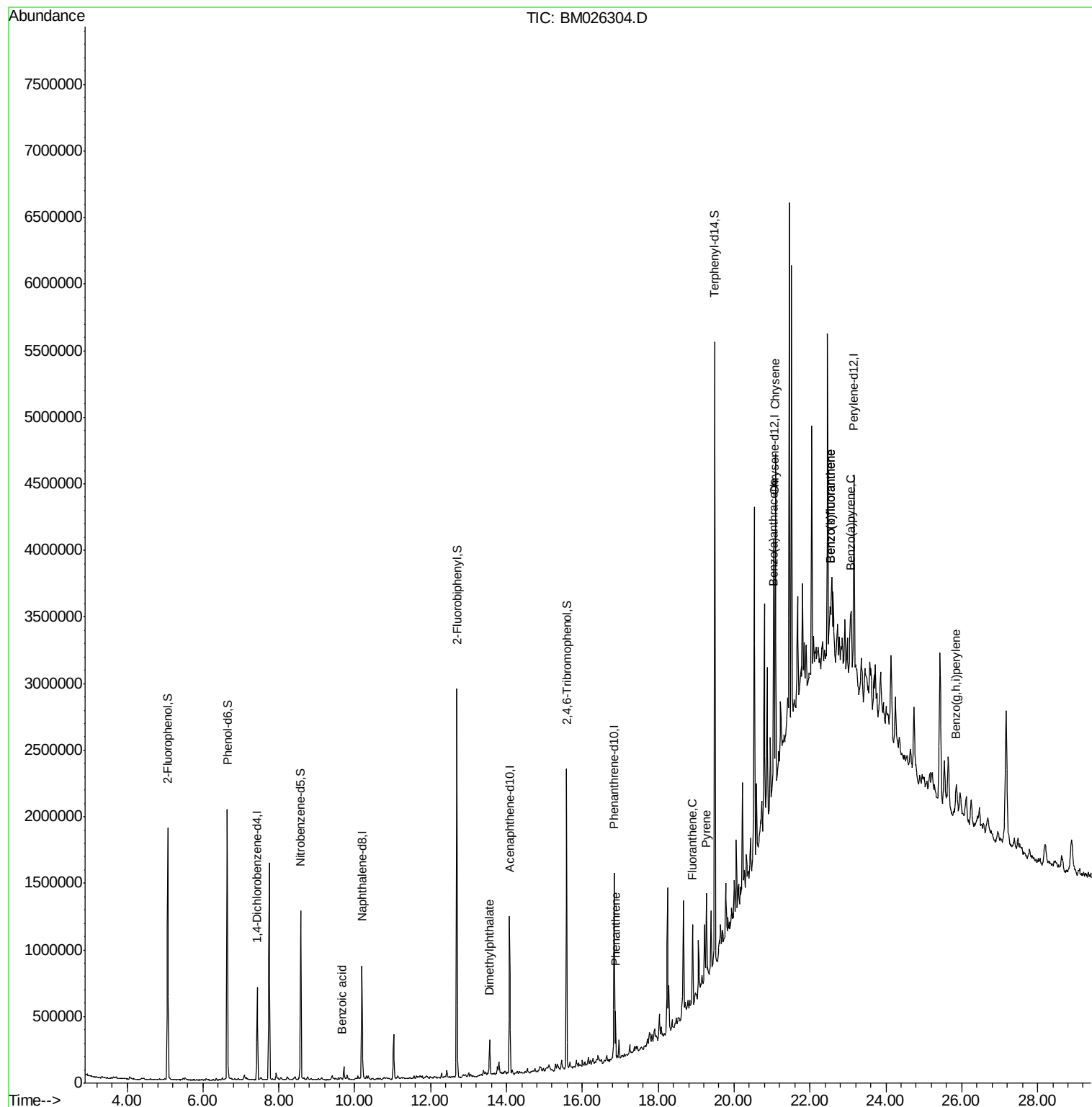
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.66	122	452	5.222	ng	96
50) Dimethylphthalate	13.56	163	144591	5.221	ng	96
71) Phenanthrene	16.87	178	179882	4.481	ng	99
75) Fluoranthene	18.90	202	340562	7.400	ng	99
78) Pyrene	19.27	202	343875	6.638	ng	99
81) Benzo(a)anthracene	21.03	228	163882	3.482	ng	# 87
83) Chrysene	21.09	228	185155	4.128	ng	# 92
88) Benzo(b)fluoranthene	22.54	252	350272	6.888	ng	# 79
89) Benzo(k)fluoranthene	22.54	252	350272	7.090	ng	# 78
90) Benzo(a)pyrene	23.07	252	187735	4.157	ng	# 81
92) Benzo(g,h,i)perylene	25.86	276	199762	5.142	ng	# 93

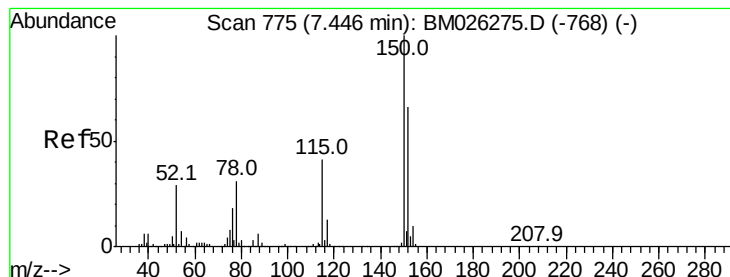
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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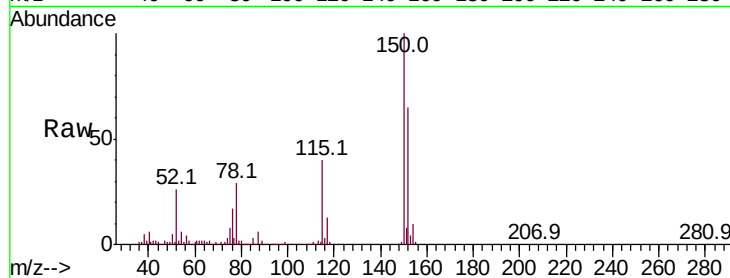


#1

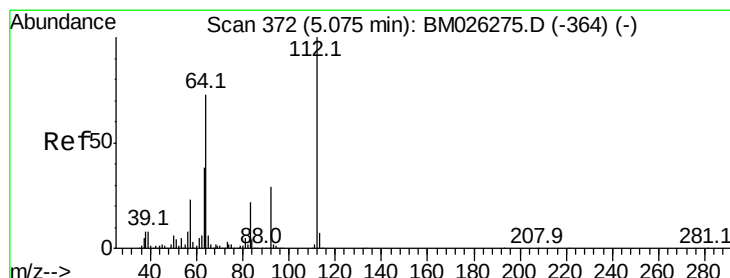
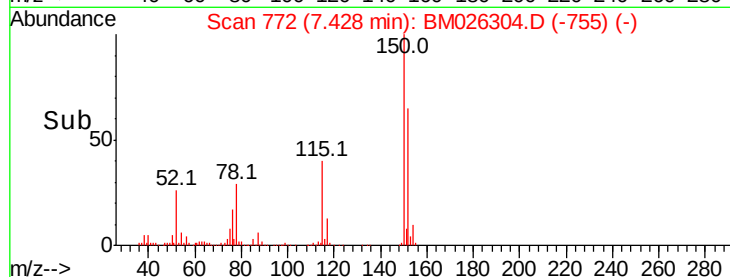
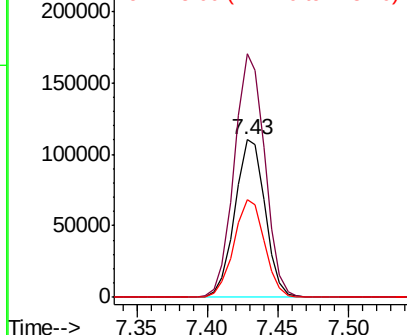
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.43 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BM026304.D
 Acq: 09 Jun 2020 15:17

Instrument :
 BNA_M
 ClientSampleId :
 PHC-326FB-010

Tot Ion	152	Resp	164556
Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.1	183.1
115	62.0	49.7	74.5



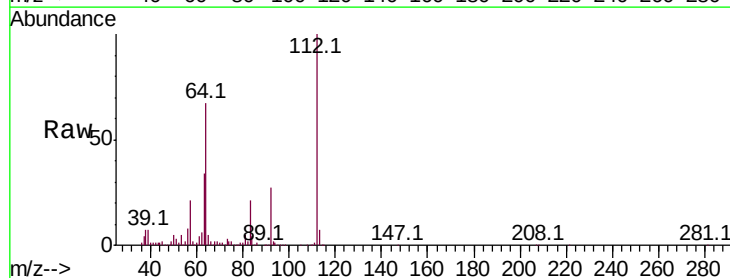
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



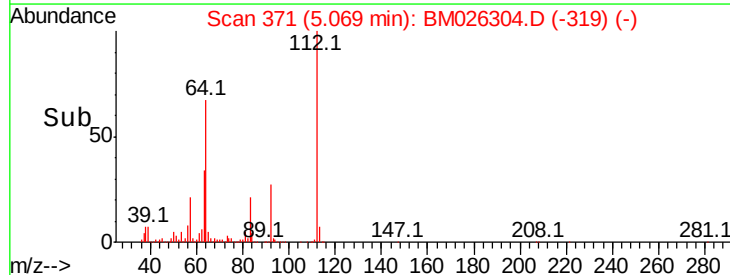
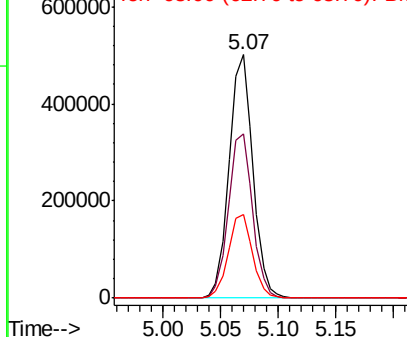
#5

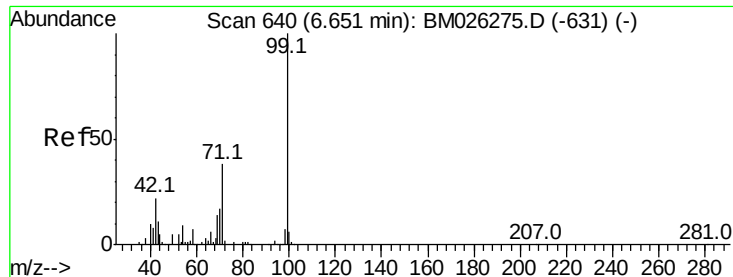
2-Fluorophenol
 Concen: 76.898 ng
 RT: 5.07 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: BM026304.D
 Acq: 09 Jun 2020 15:17

Tgt Ion	112	Resp	715710
Ion	Ratio	Lower	Upper
112	100		
64	67.5	58.1	87.1
63	34.1	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: 73.745 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

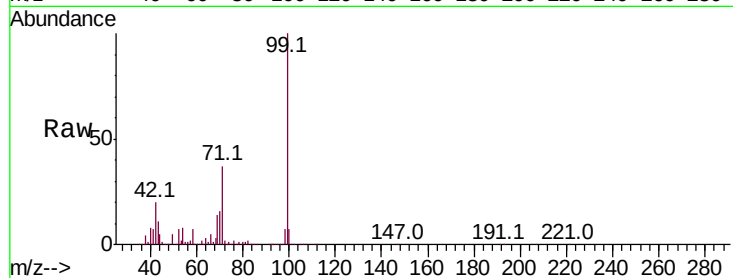
Tot Ion: 99 Resp: 993898

Ion Ratio Lower Upper

99 100

42 20.4 18.0 27.0

71 37.0 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)

6.64

800000

600000

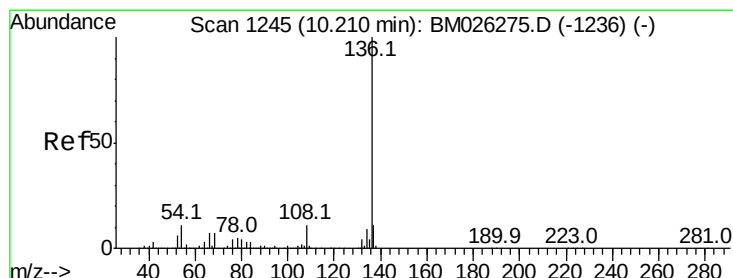
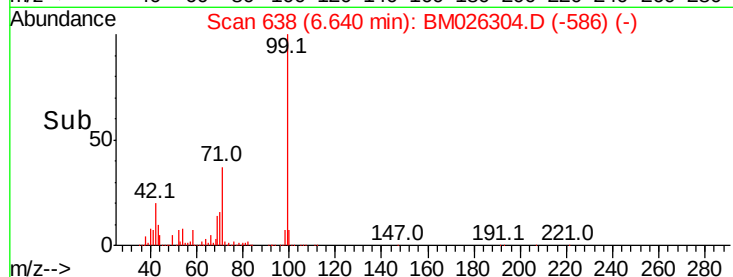
400000

200000

0

6.60 6.70

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1242

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Tgt Ion: 136 Resp: 642078

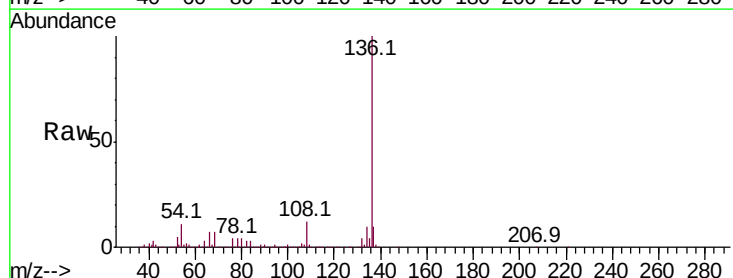
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 10.6 9.0 13.4

68 7.0 5.6 8.4



Abundance Ion 136.00 (135.70 to 136.70): BM026275.D (-1236) (-)

Ion 137.00 (136.70 to 137.70): BM026275.D (-1236) (-)

Ion 54.00 (53.70 to 54.70): BM026275.D (-1236) (-)

Ion 68.00 (67.70 to 68.70): BM026275.D (-1236) (-)

10.19

600000

500000

400000

300000

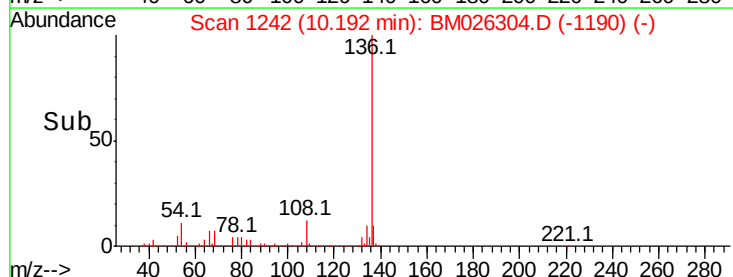
200000

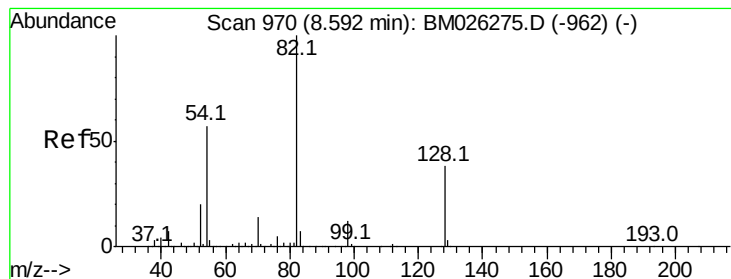
100000

0

10.10 10.20 10.30

Time-->





#23

Nitrobenzene-d5

Concen: 51.356 ng

RT: 8.57 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

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ClientSampleId :

PHC-326FB-010

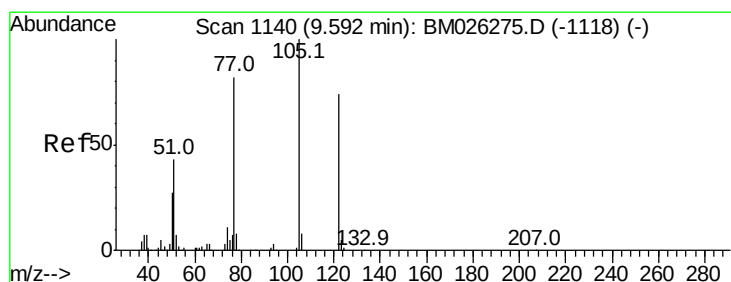
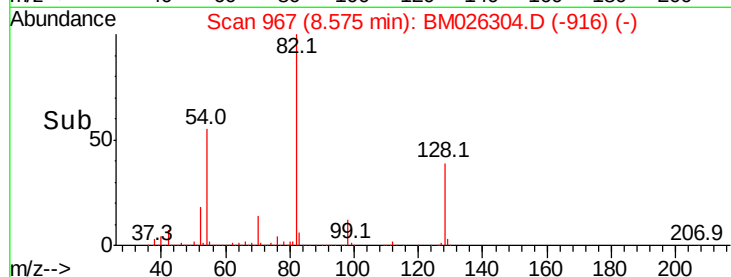
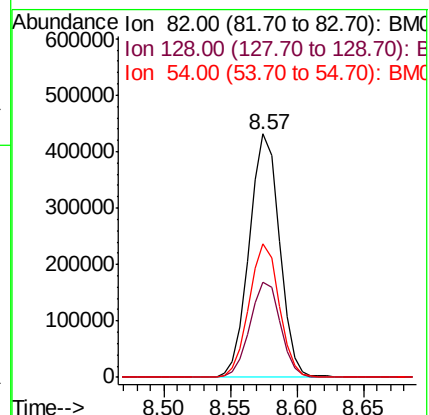
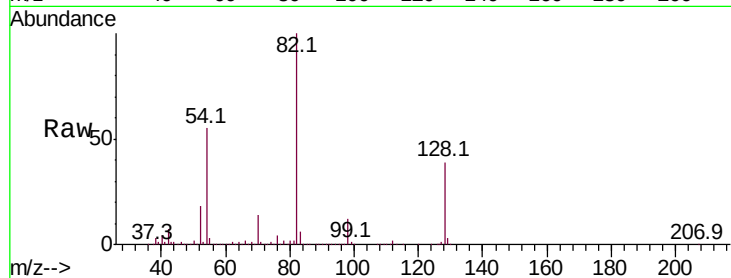
Tot Ion: 82 Resp: 671588

Ion Ratio Lower Upper

82 100

128 38.9 30.3 45.5

54 55.0 45.4 68.2



#32

Benzoic acid

Concen: 5.222 ng

RT: 9.66 min Scan# 1151

Delta R.T. 0.11 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

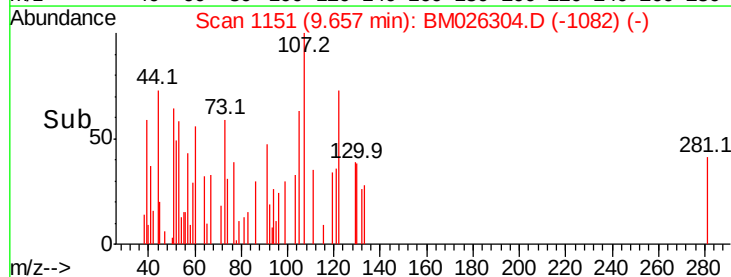
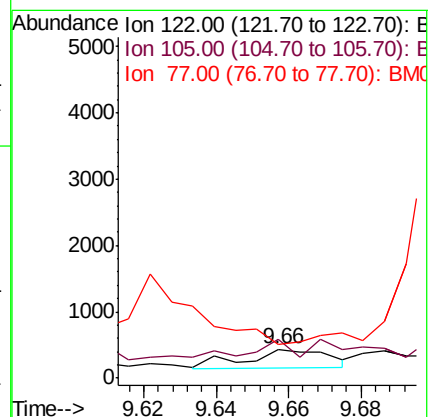
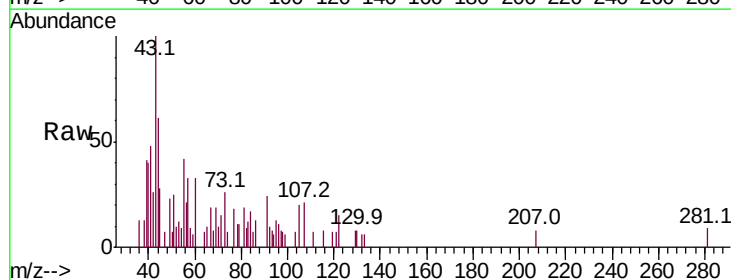
Tgt Ion: 122 Resp: 452

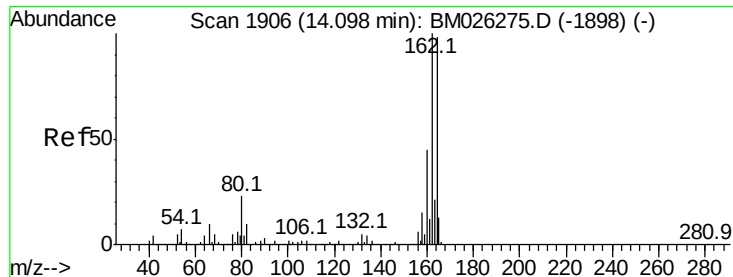
Ion Ratio Lower Upper

122 100

105 133.9 112.4 152.4

77 117.0 89.8 129.8

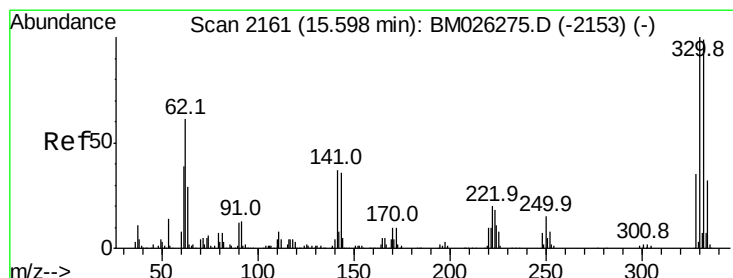
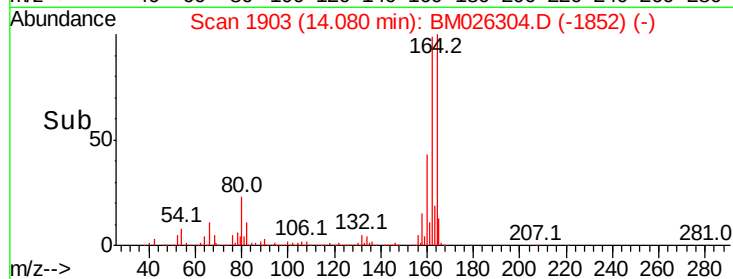
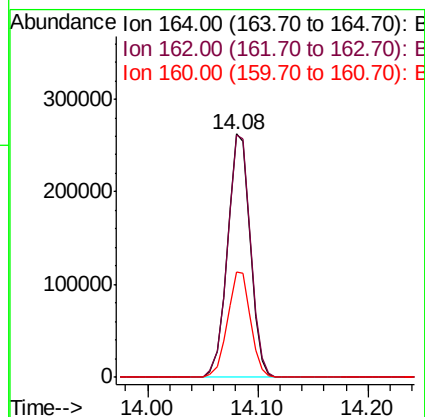
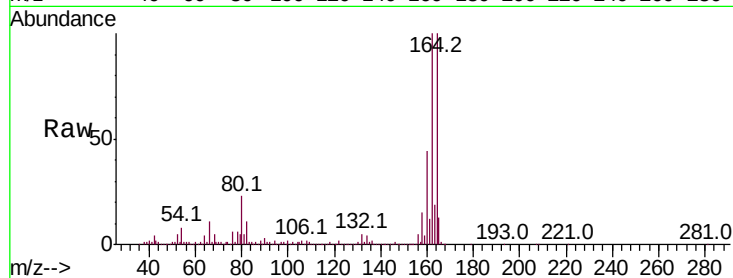




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

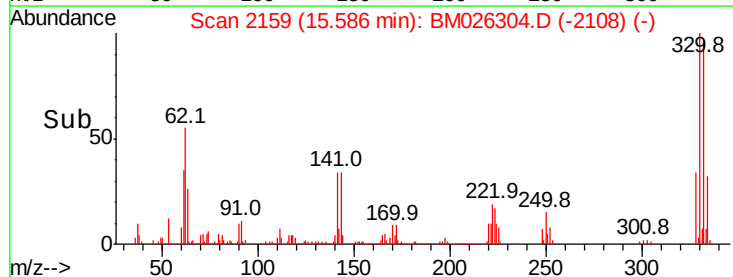
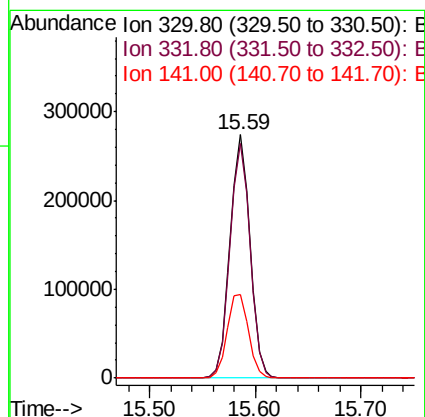
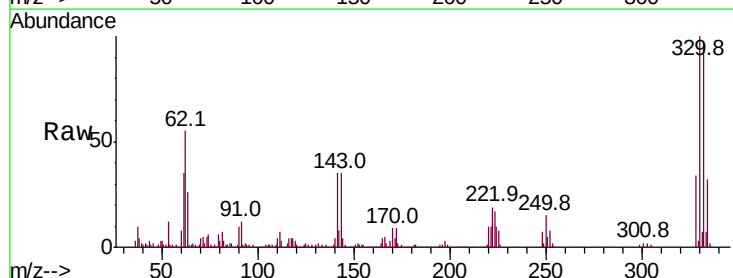
Instrument :
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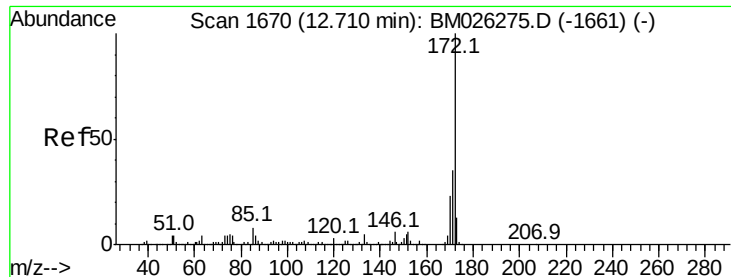
Tot Ion:164 Resp: 378641
Ion Ratio Lower Upper
164 100
162 99.5 81.4 122.2
160 43.5 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 78.034 ng
RT: 15.59 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

Tgt Ion:330 Resp: 357918
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 36.3 30.0 45.0

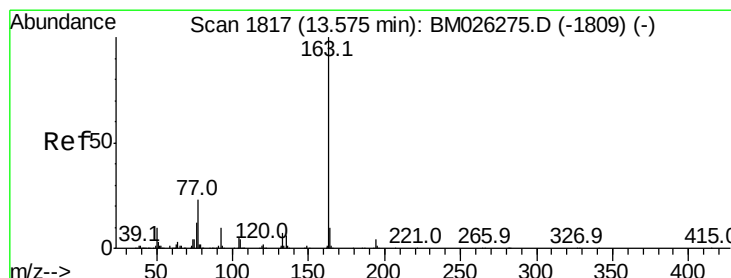
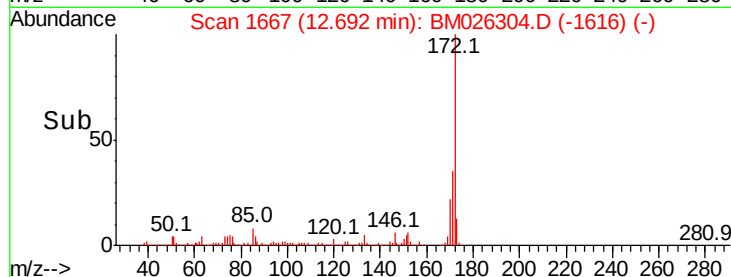
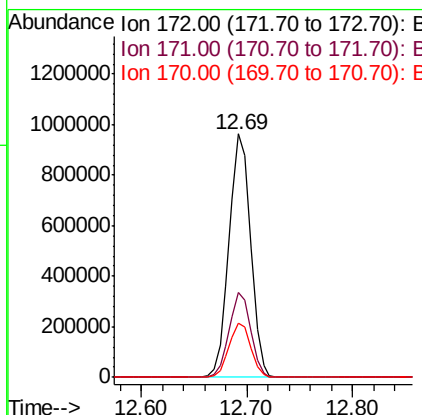
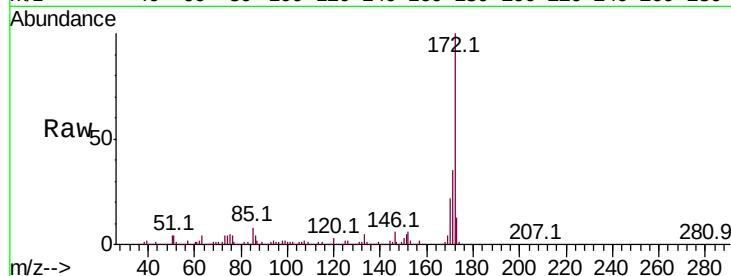




#45
2-Fluorobiphenyl
Concen: 54.122 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

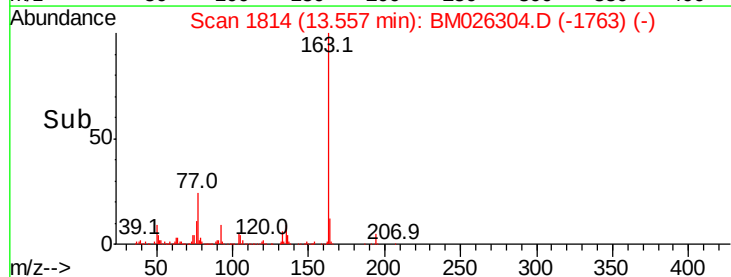
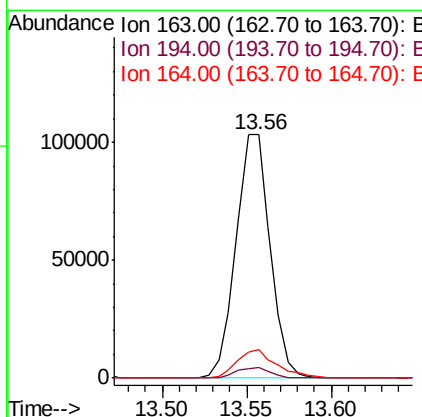
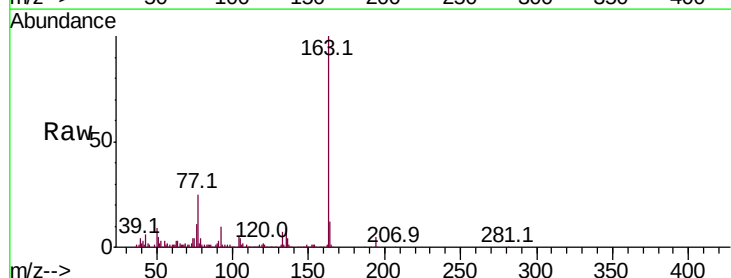
Instrument :
BNA_M
ClientSampleId :
PHC-326FB-010

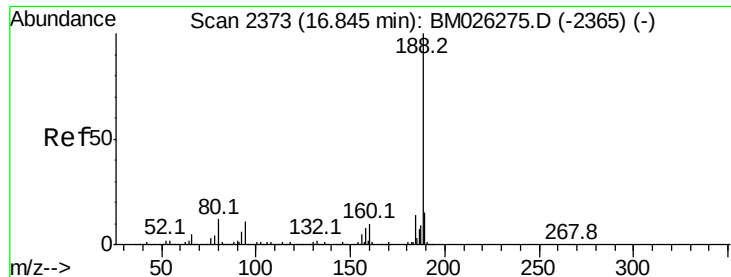
Tot Ion:172 Resp: 1350020
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 22.4 18.3 27.5



#50
Dimethylphthalate
Concen: 5.221 ng
RT: 13.56 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

Tgt Ion:163 Resp: 144591
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 11.8 8.0 12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2371

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

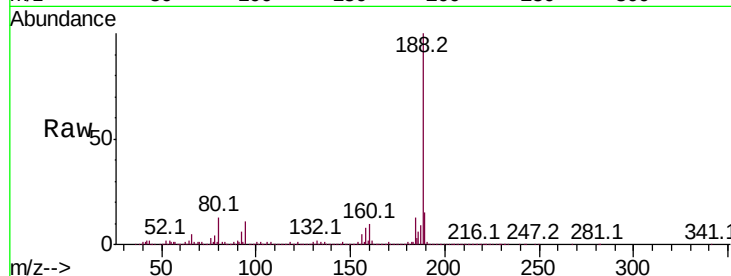
Tot Ion:188 Resp: 770866

Ion Ratio Lower Upper

188 100

94 10.7 8.6 12.8

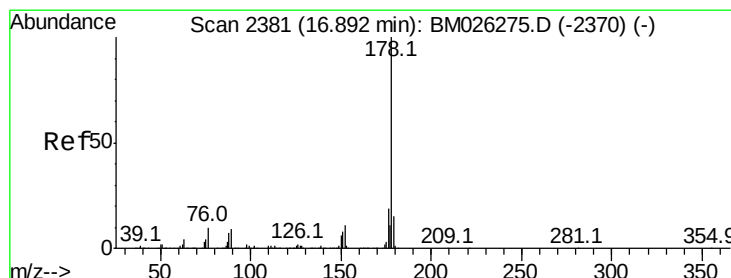
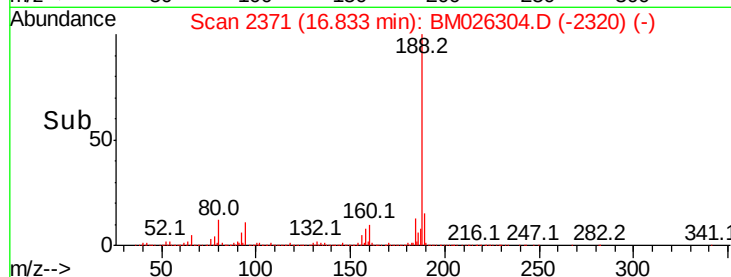
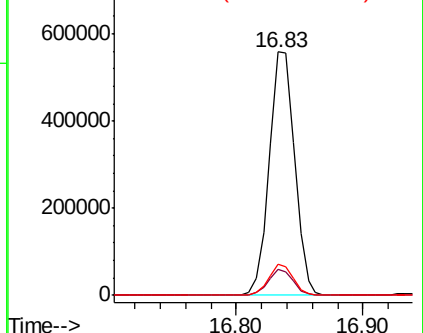
80 12.5 9.7 14.5



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: 4.481 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

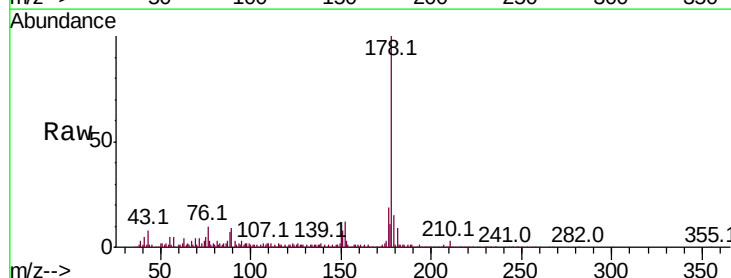
Tgt Ion:178 Resp: 179882

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

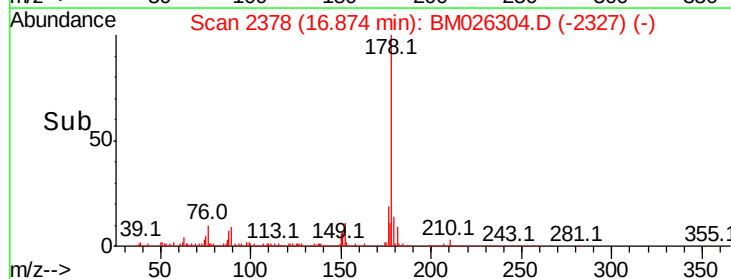
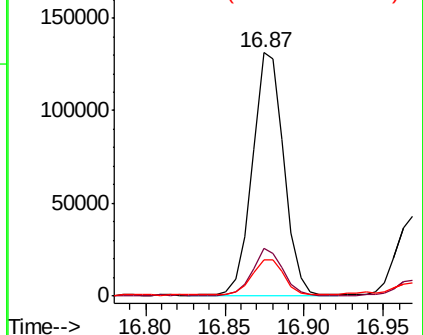
179 14.8 12.0 18.0

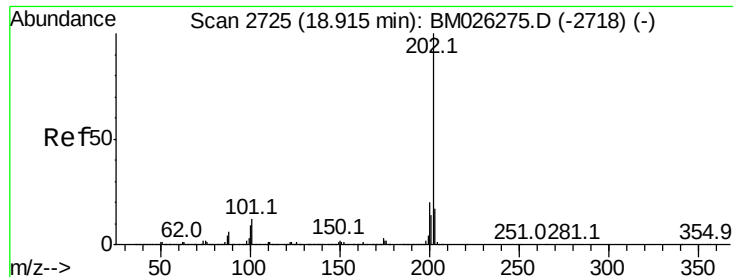


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.400 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

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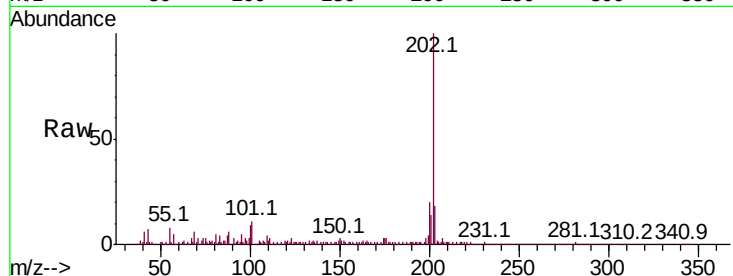
Tot Ion:202 Resp: 340562

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.6

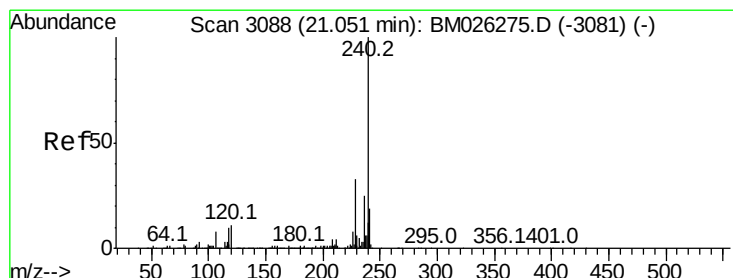
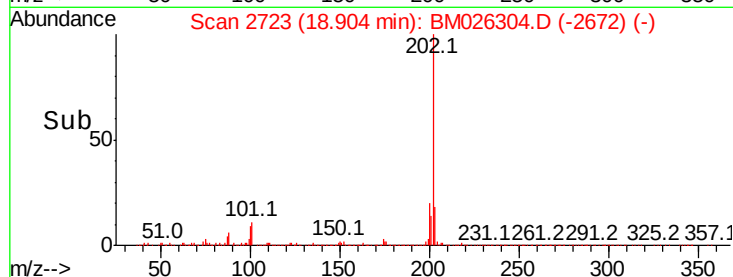
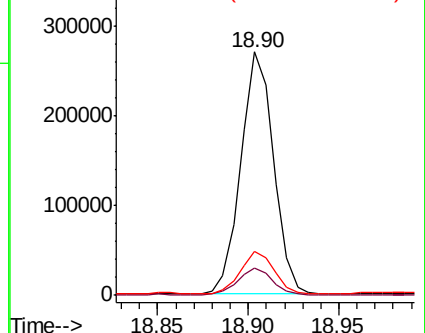
203 18.1 0.0 37.4



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: 21.05 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

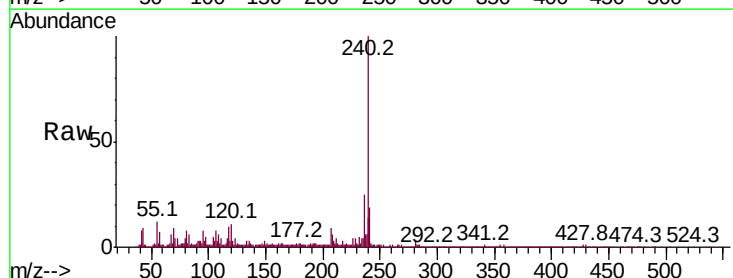
Tgt Ion:240 Resp: 784079

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

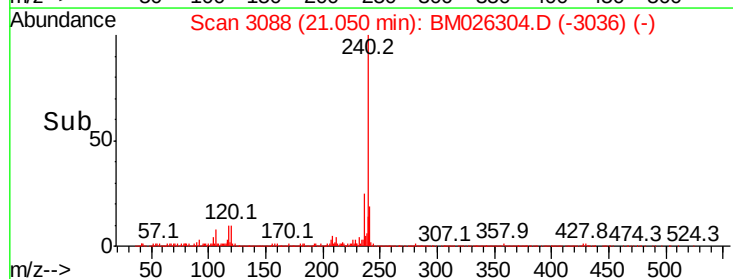
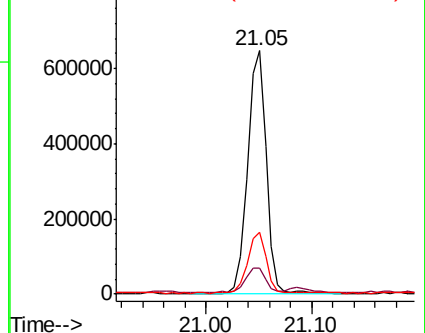
236 25.1 19.7 29.5

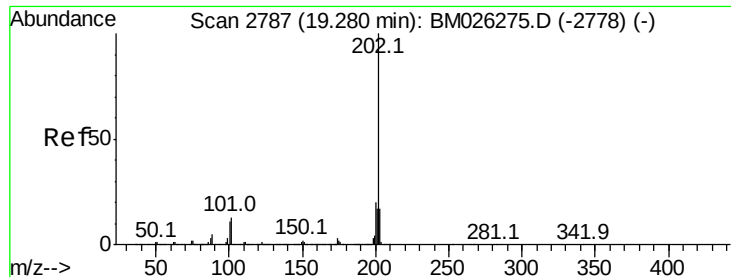


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.638 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

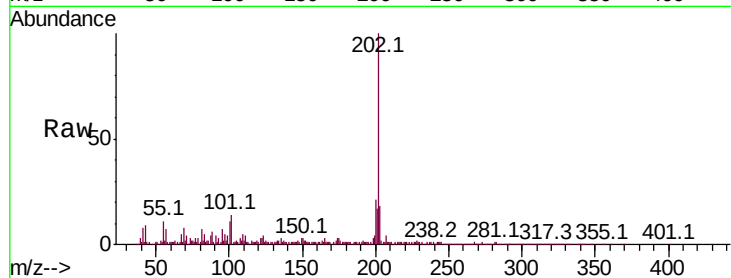
Tot Ion:202 Resp: 343875

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

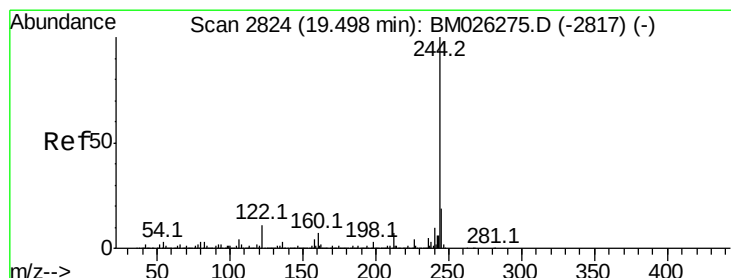
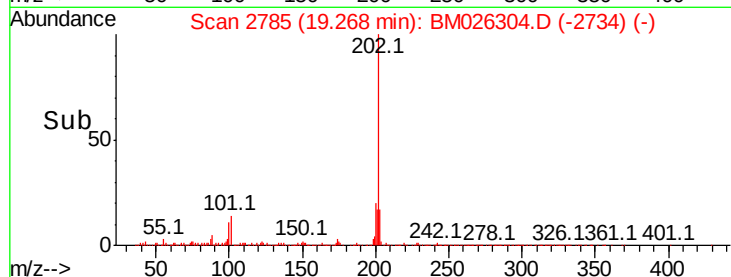
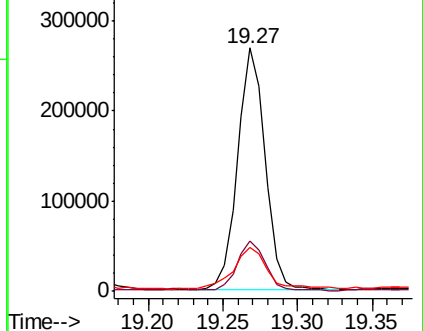
203 18.1 13.8 20.8



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: 50.519 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

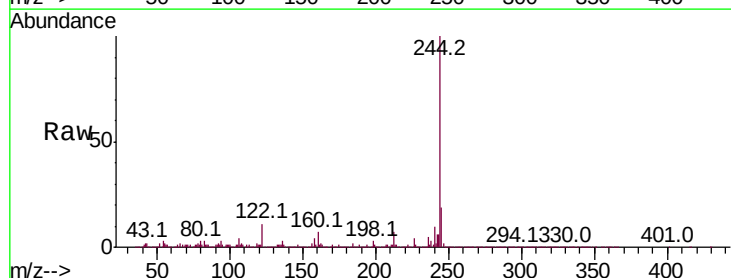
Tgt Ion:244 Resp: 2040574

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

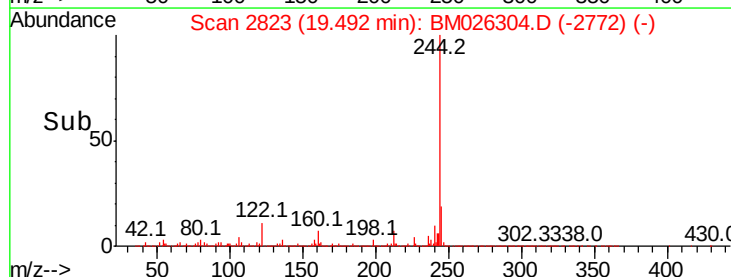
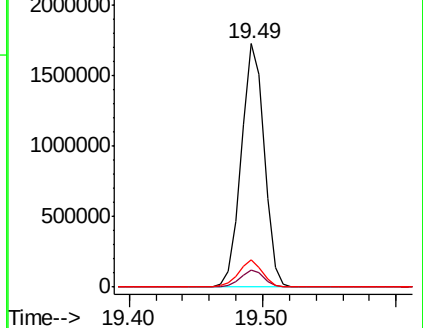
122 11.3 9.1 13.7

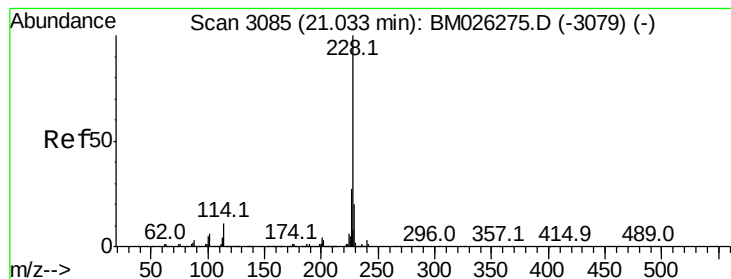


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.482 ng

RT: 21.03 min Scan# 3085

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

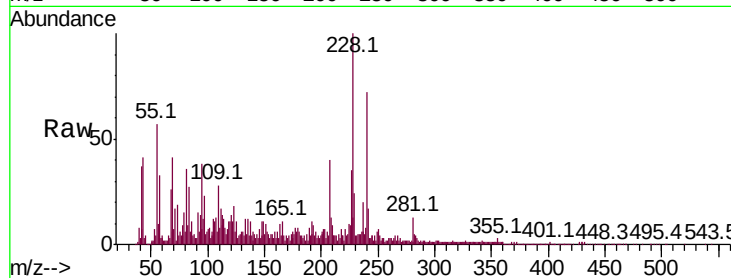
Tot Ion:228 Resp: 163882

Ion Ratio Lower Upper

228 100

226 35.1 21.7 32.5#

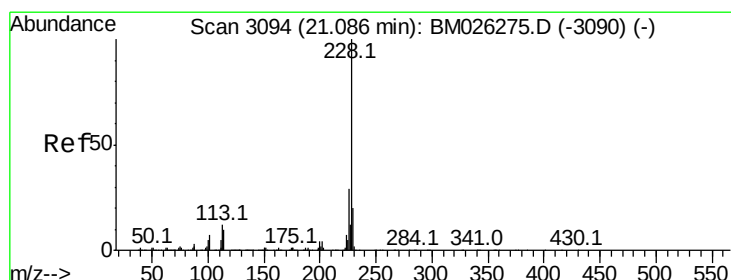
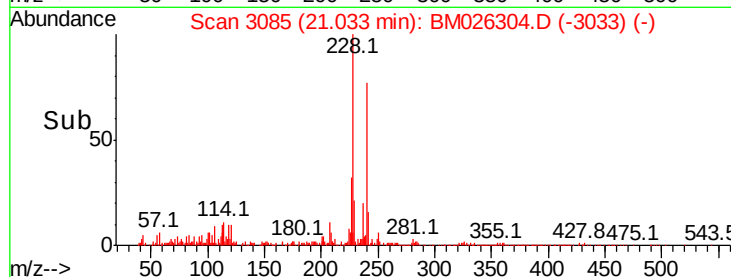
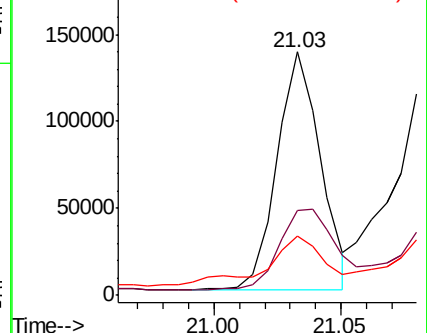
229 24.3 15.9 23.9#



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: 4.128 ng

RT: 21.09 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

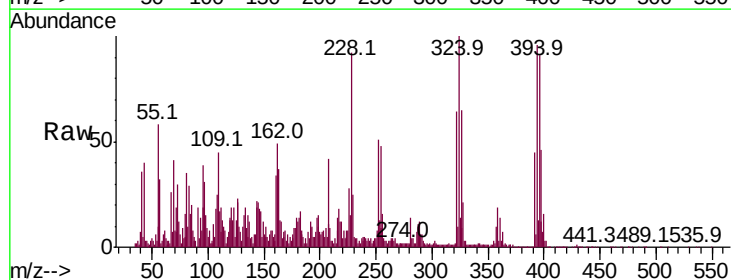
Tgt Ion:228 Resp: 185155

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

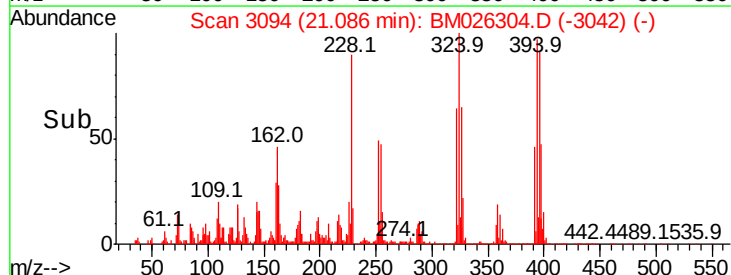
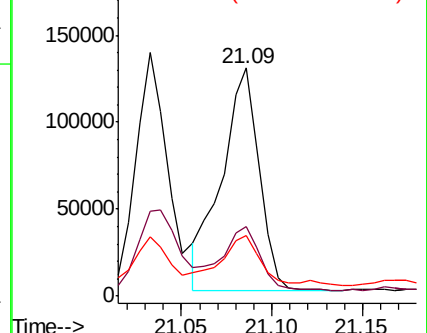
229 26.8 15.8 23.6#

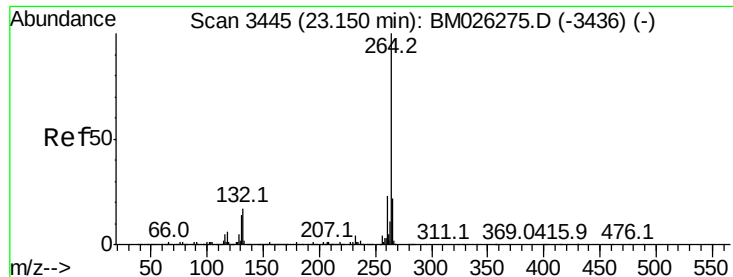


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

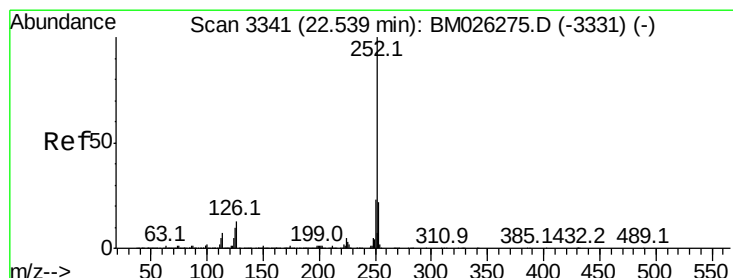
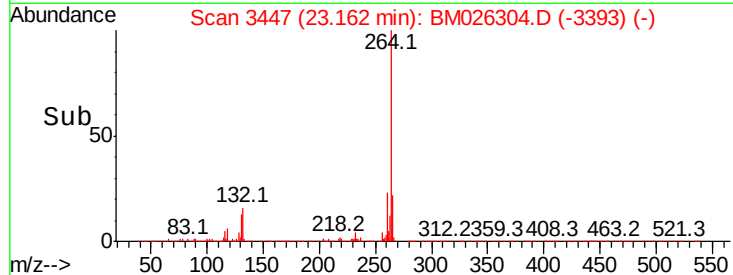
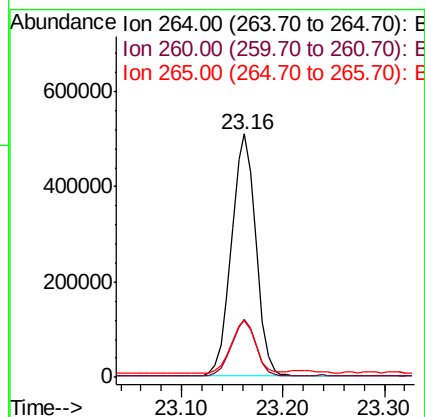
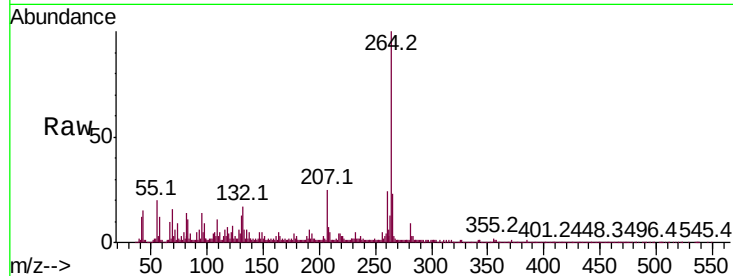




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3447
Delta R.T. 0.02 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

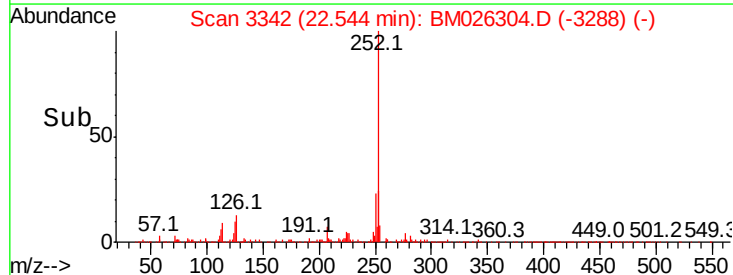
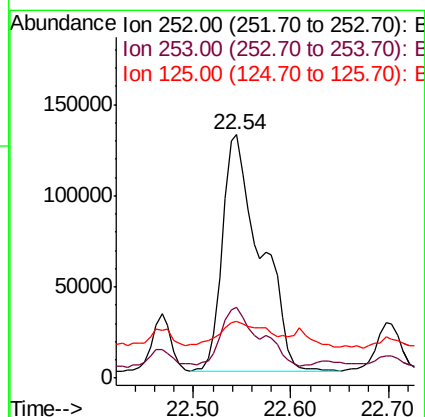
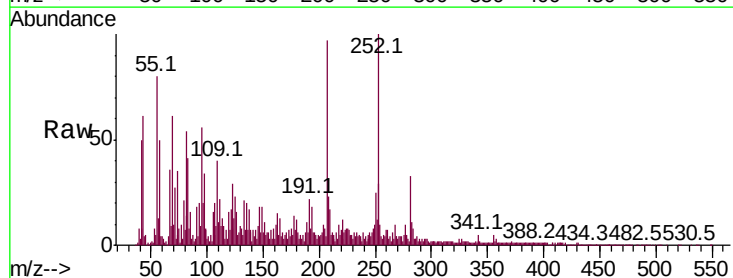
Instrument :
BNA_M
ClientSampleId :
PHC-326FB-010

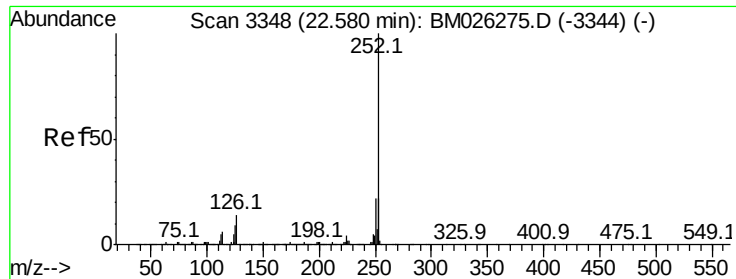
Tot Ion:264	Resp:	845307
Ion	Ratio	Lower Upper
264	100	
260	24.0	18.6 28.0
265	23.2	18.2 27.2



#88
Benzo(b)fluoranthene
Concen: 6.888 ng
RT: 22.54 min Scan# 3342
Delta R.T. 0.02 min
Lab File: BM026304.D
Acq: 09 Jun 2020 15:17

Tgt Ion:252	Resp:	350272
Ion	Ratio	Lower Upper
252	100	
253	28.9	17.6 26.4#
125	23.3	7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 7.090 ng

RT: 22.54 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

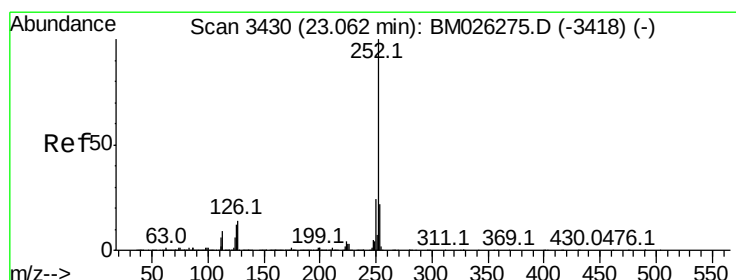
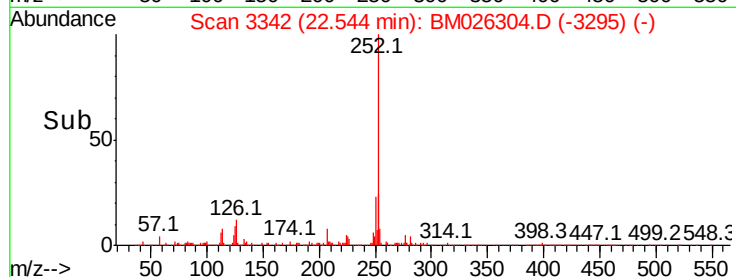
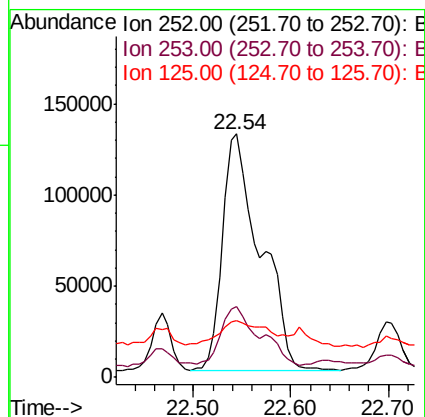
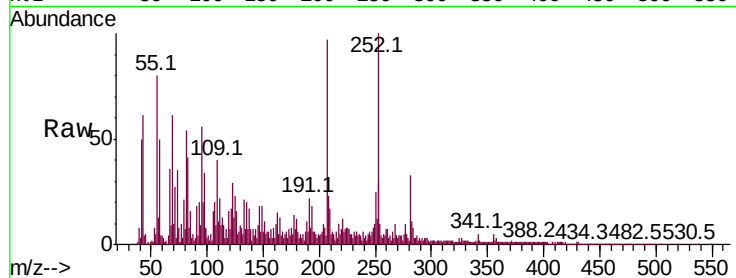
Tot Ion:252 Resp: 350272

Ion Ratio Lower Upper

252 100

253 28.9 17.3 25.9#

125 23.3 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 4.157 ng

RT: 23.07 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

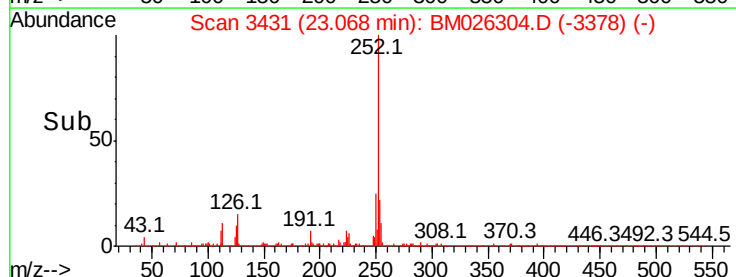
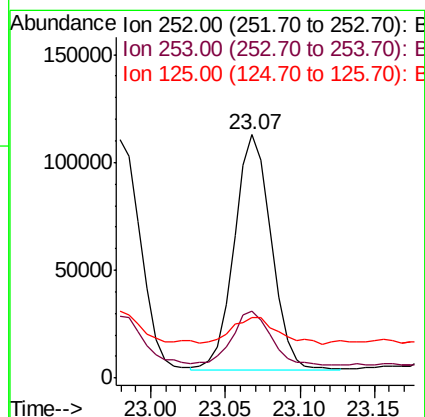
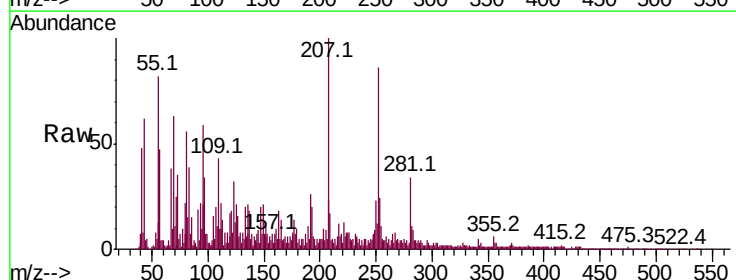
Tgt Ion:252 Resp: 187735

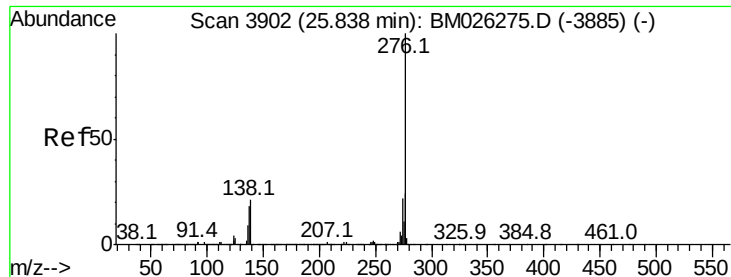
Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 24.6 9.4 14.0#





#92

Benzo(a,h,i)perylene

Concen: 5.142 ng

RT: 25.86 min Scan# 3905

Delta R.T. 0.03 min

Lab File: BM026304.D

Acq: 09 Jun 2020 15:17

Instrument :

BNA_M

ClientSampleId :

PHC-326FB-010

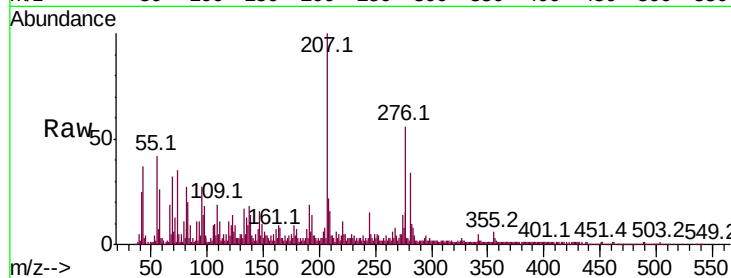
Tot Ion:276 Resp: 199762

Ion Ratio Lower Upper

276 100

277 26.8 19.3 28.9

138 25.1 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

