

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051319\
 Data File : BM020321.D
 Acq On : 13 May 2019 18:09
 Operator : JU/SJ
 Sample : K2766-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Quant Time: May 14 03:50:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	45430	20.00	ng	-0.04
21) Naphthalene-d8	10.55	136	152102	20.00	ng	-0.04
39) Acenaphthene-d10	14.40	164	95881	20.00	ng	-0.03
64) Phenanthrene-d10	17.16	188	232396	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	249882	20.00	ng	-0.02
87) Perylene-d12	23.63	264	271758	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	347194	124.92	ng	-0.02
7) Phenol-d6	6.93	99	466791	122.94	ng	-0.02
23) Nitrobenzene-d5	8.92	82	313183	81.29	ng	-0.04
42) 2,4,6-Tribromophenol	15.90	330	185232	124.46	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	532089	68.28	ng	-0.04
79) Terphenyl-d14	19.79	244	950662	66.36	ng	-0.02

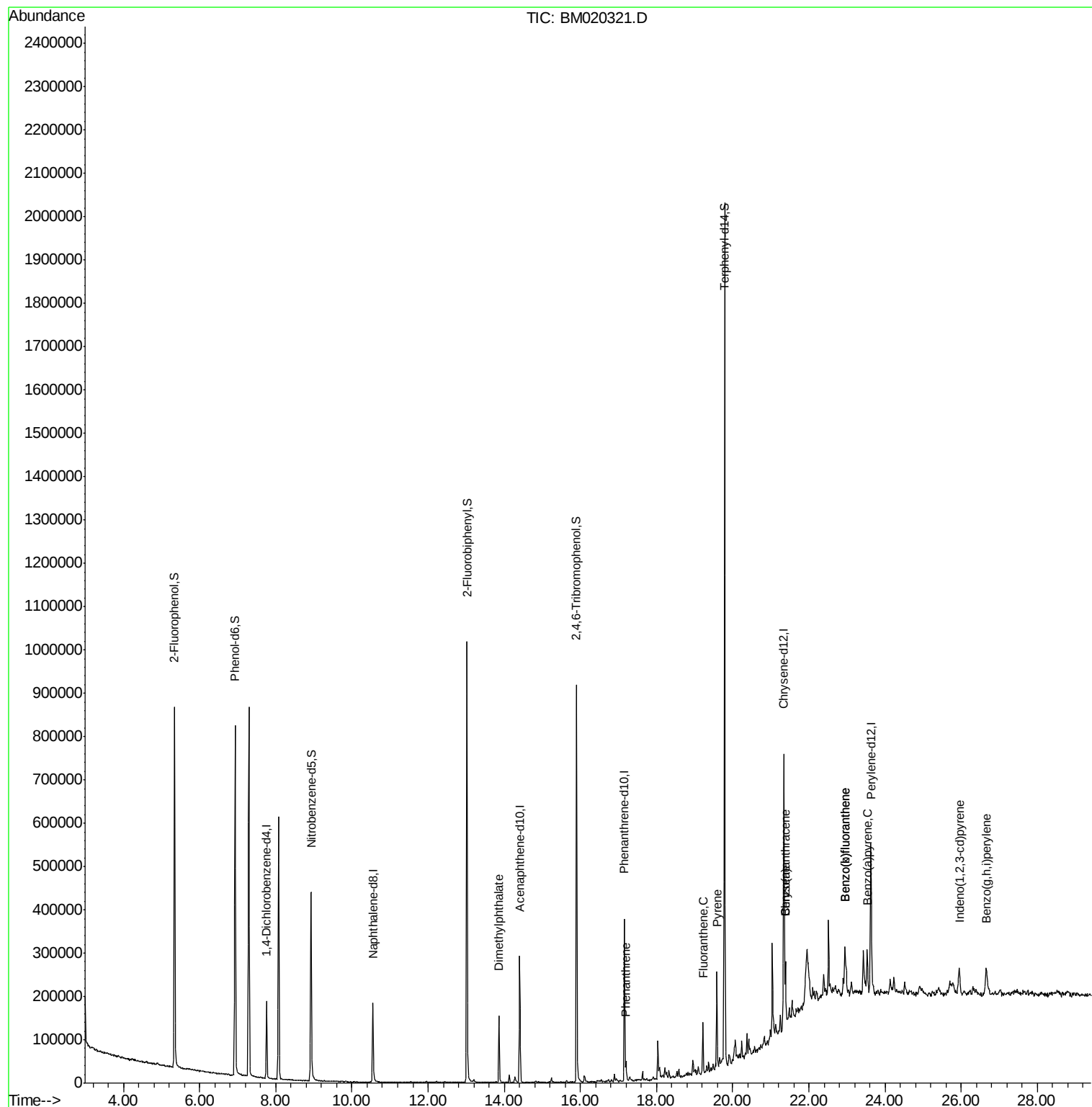
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.86	163	100812	12.371	ng	97
71) Phenanthrene	17.20	178	26444	2.061	ng	97
75) Fluoranthene	19.22	202	67351	4.149	ng	99
78) Pyrene	19.58	202	131565	7.842	ng	100
81) Benzo(a)anthracene	21.39	228	67289	3.840	ng	98
83) Chrysene	21.39	228	79284	4.665	ng	99
86) Indeno(1,2,3-cd)pyrene	25.94	276	53855	2.664	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	121709	6.782	ng	# 97
89) Benzo(k)fluoranthene	22.94	252	122017	7.454	ng	# 98
90) Benzo(a)pyrene	23.53	252	66365	4.071	ng	# 97
92) Benzo(g,h,i)perylene	26.66	276	68881	4.280	ng	96

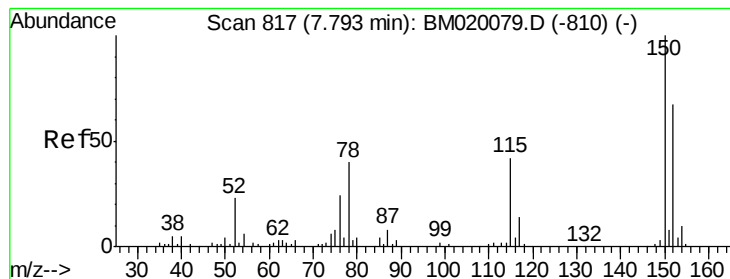
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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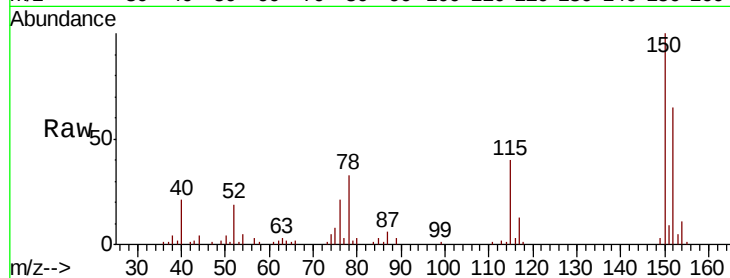




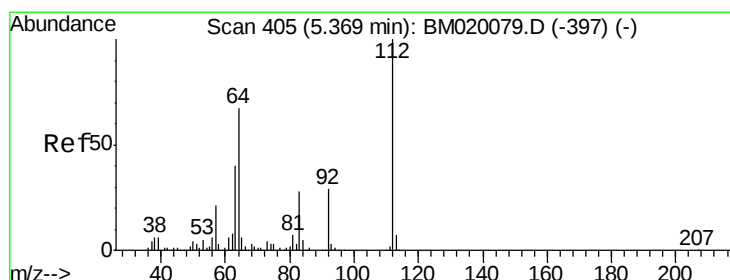
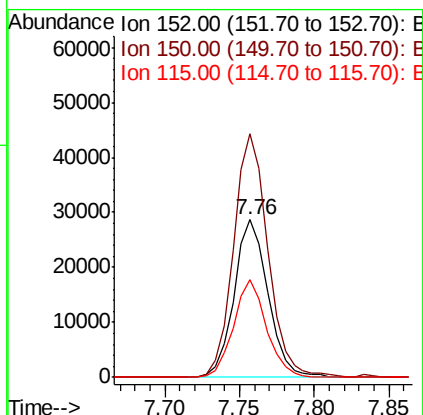
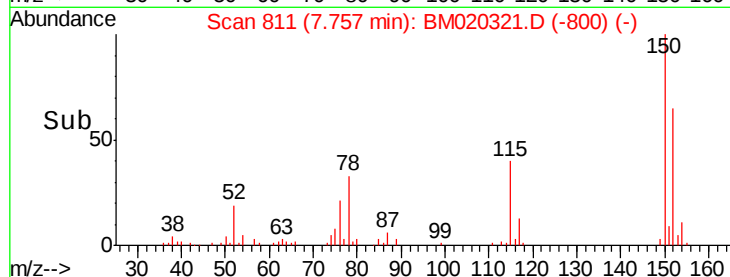
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 811
 Delta R.T. -0.04 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Tgt Ion:152 Resp: 45430
 Ion Ratio Lower Upper
 152 100
 150 154.7 119.8 179.8
 115 62.0 50.8 76.2

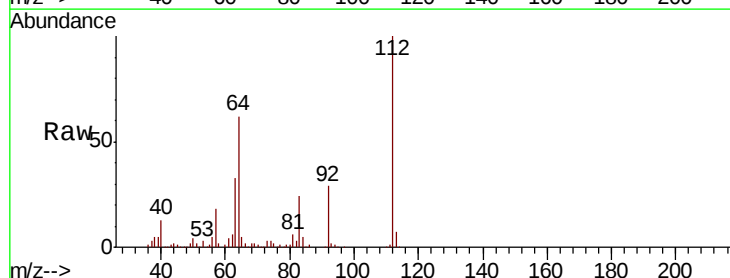


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

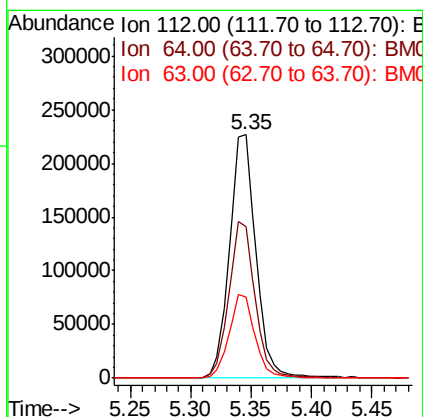
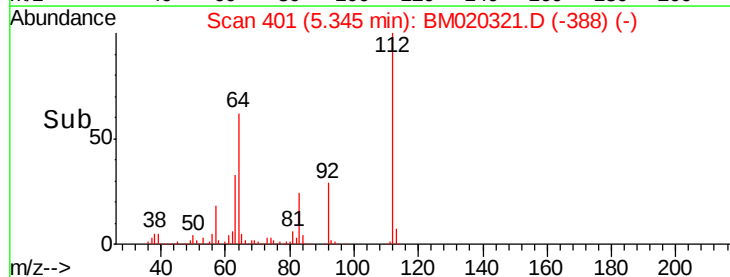


#5
 2-Fluorophenol
 Concen: 124.922 ng
 RT: 5.35 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Tgt Ion:112 Resp: 347194
 Ion Ratio Lower Upper
 112 100
 64 62.1 53.8 80.6
 63 33.4 32.3 48.5



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: 122.940 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

ClientSampleId :

P026-SS012-0612-01

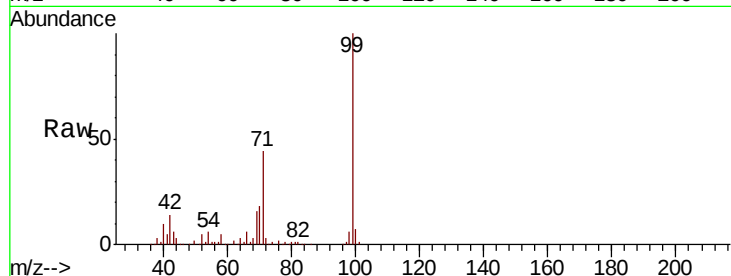
Tgt Ion: 99 Resp: 466791

Ion Ratio Lower Upper

99 100

42 13.6 14.2 21.2#

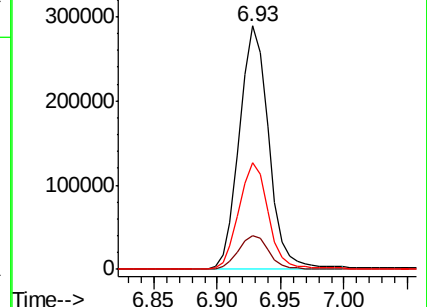
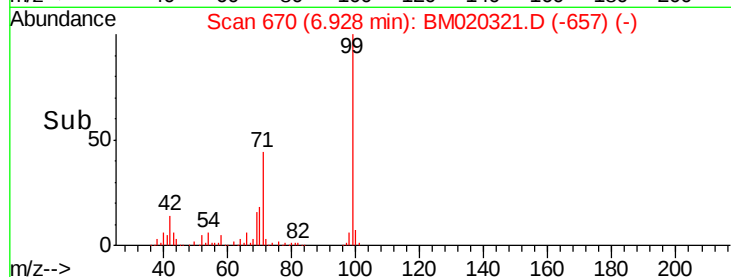
71 43.9 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020321.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020321.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020321.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1286

Delta R.T. -0.04 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Tgt Ion: 136 Resp: 152102

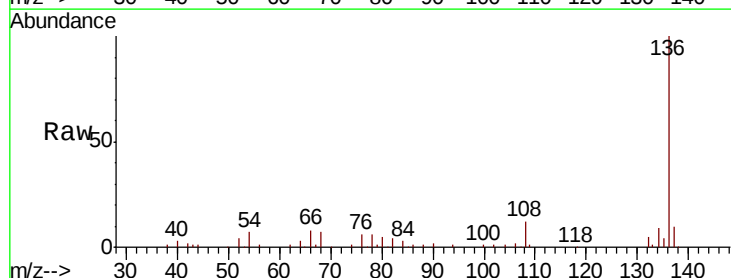
Ion Ratio Lower Upper

136 100

137 10.4 9.6 14.4

54 7.1 5.5 8.3

68 6.9 4.6 6.8#

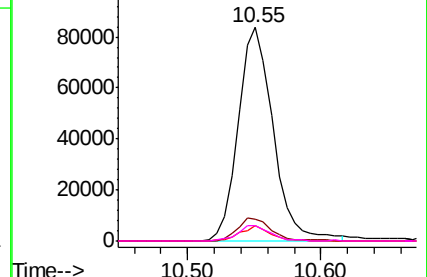
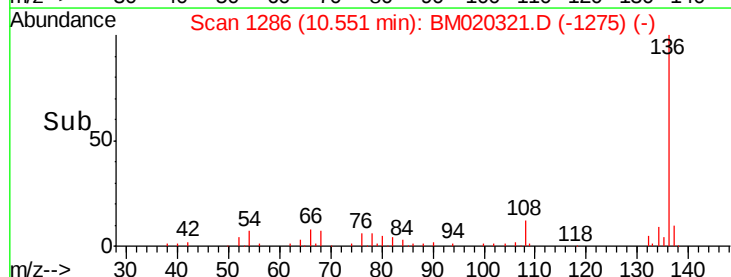


Abundance Ion 136.00 (135.70 to 136.70): BM020321.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020321.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020321.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020321.D (-1275) (-)

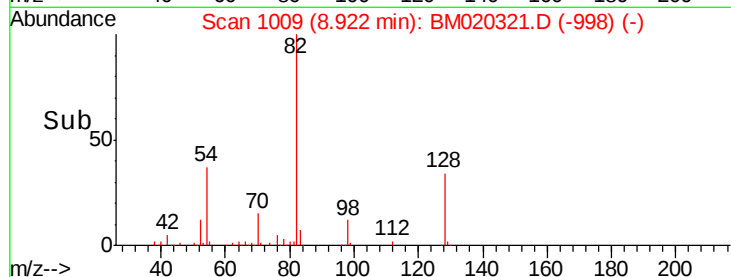
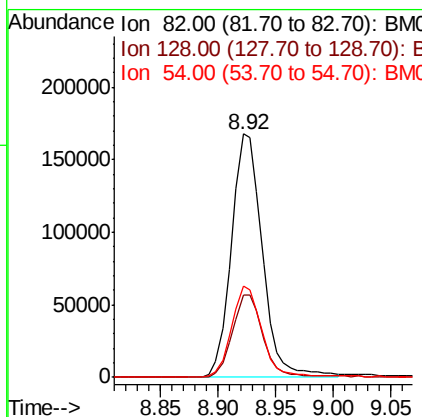
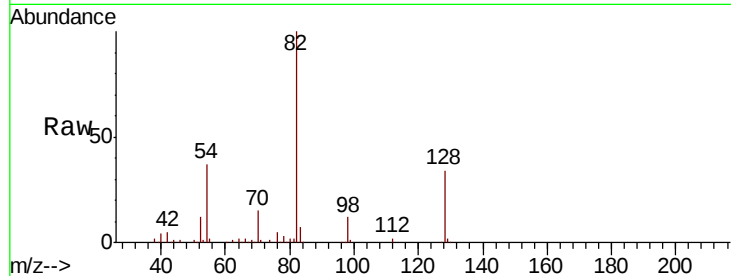




#23
Nitrobenzene-d5
Concen: 81.291 ng
RT: 8.92 min Scan# 1009
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

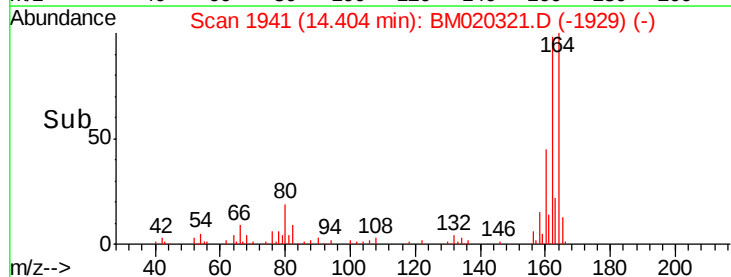
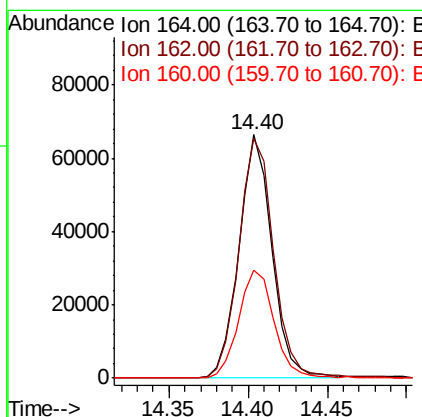
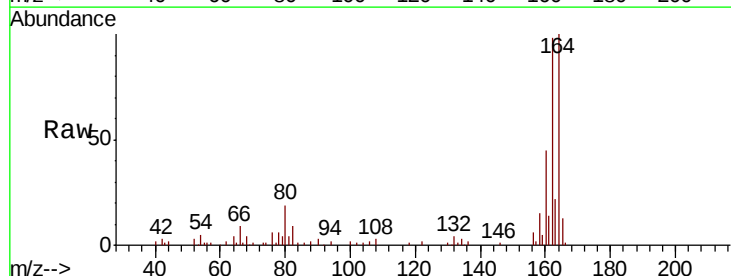
Instrument :
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P026-SS012-0612-01

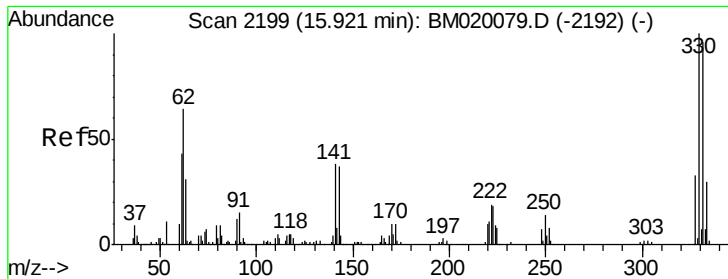
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.7	25.2	37.8
54	37.3	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.2	123.2
160	44.5	37.6	56.4

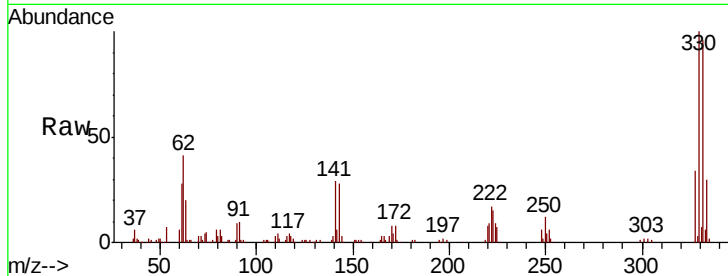




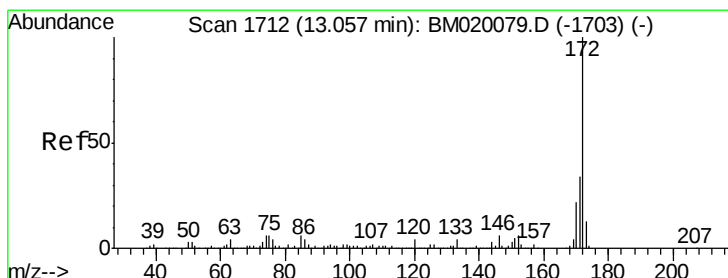
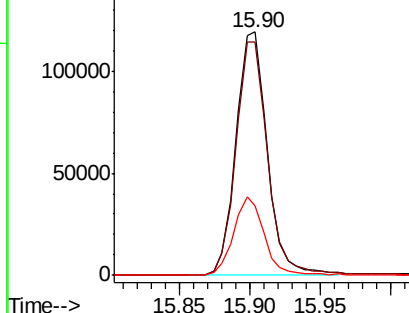
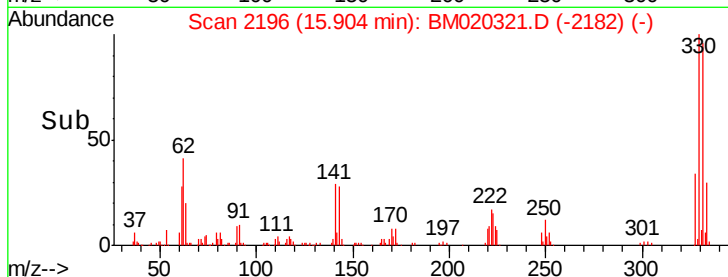
#42
 2,4,6-Tribromophenol
 Concen: 124.463 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Tgt Ion:330 Resp: 185232
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.8 115.2
 141 31.4 29.2 43.8

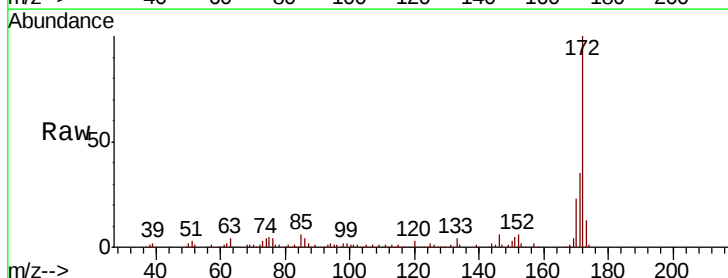


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

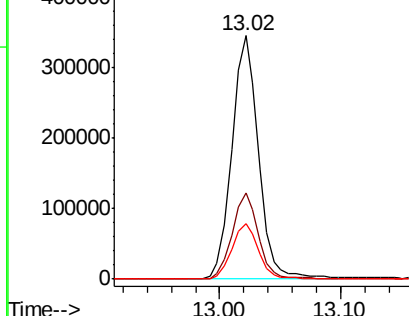
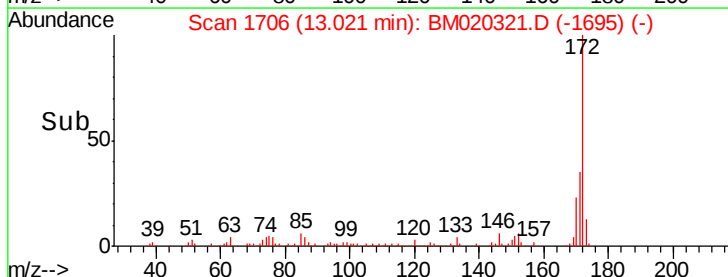


#45
 2-Fluorobiphenyl
 Concen: 68.279 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.04 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Tgt Ion:172 Resp: 532089
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.3 40.9
 170 22.8 17.9 26.9



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: 12.371 ng

RT: 13.86 min Scan# 1849

Delta R.T. -0.04 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

ClientSampleId :

P026-SS012-0612-01

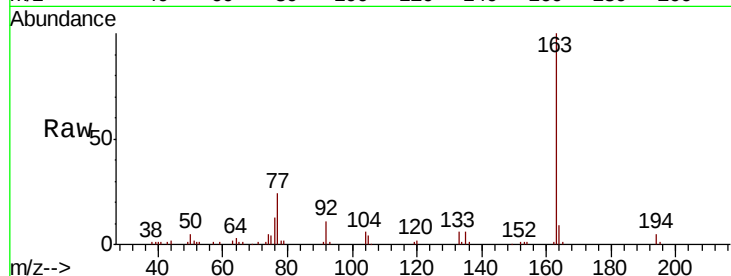
Tgt Ion:163 Resp: 100812

Ion Ratio Lower Upper

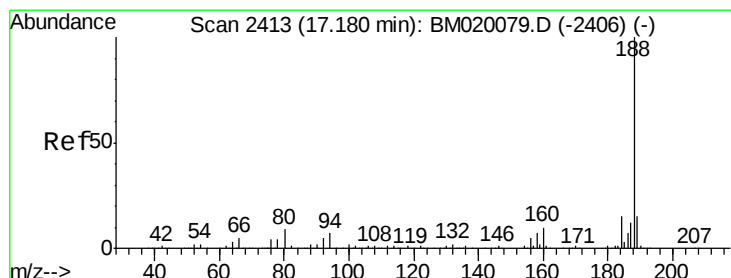
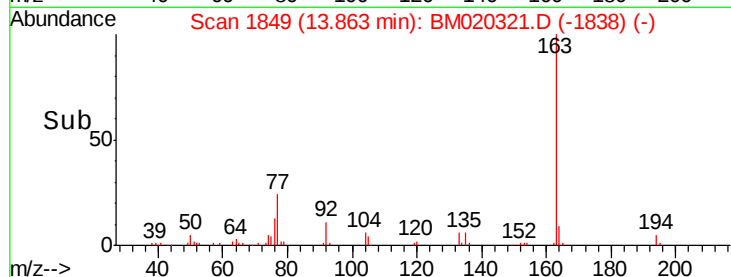
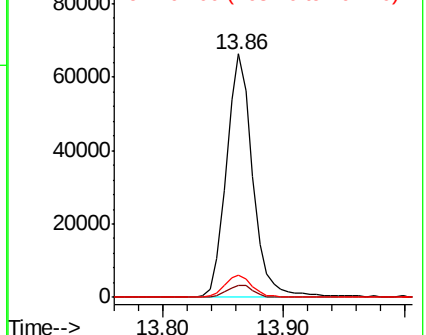
163 100

194 4.7 3.6 5.4

164 9.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

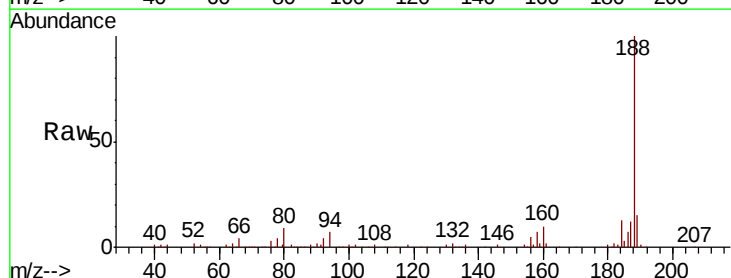
Tgt Ion:188 Resp: 232396

Ion Ratio Lower Upper

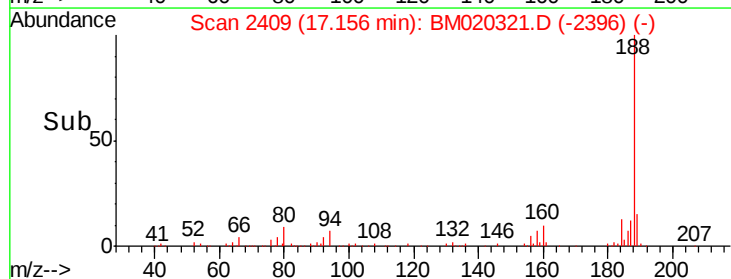
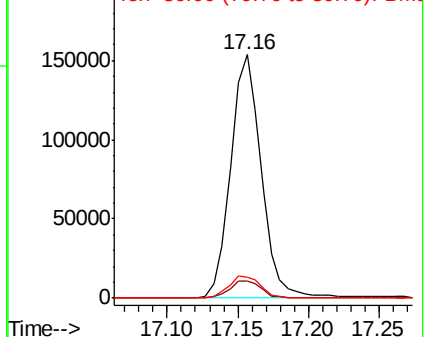
188 100

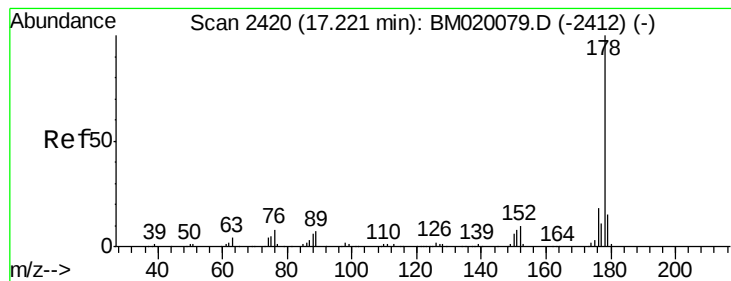
94 7.1 5.8 8.6

80 8.5 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 2.061 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

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ClientSampleId :

P026-SS012-0612-01

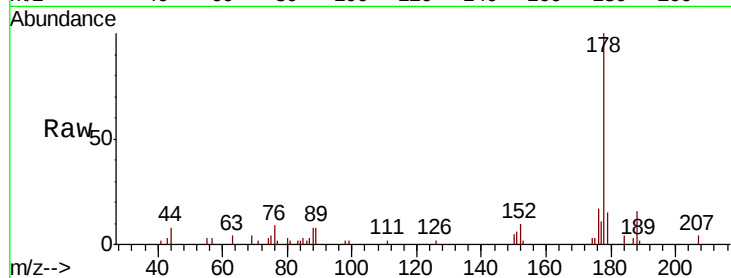
Tgt Ion:178 Resp: 26444

Ion Ratio Lower Upper

178 100

176 16.6 14.6 21.8

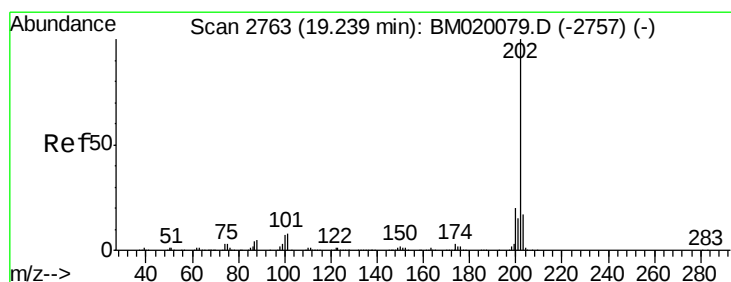
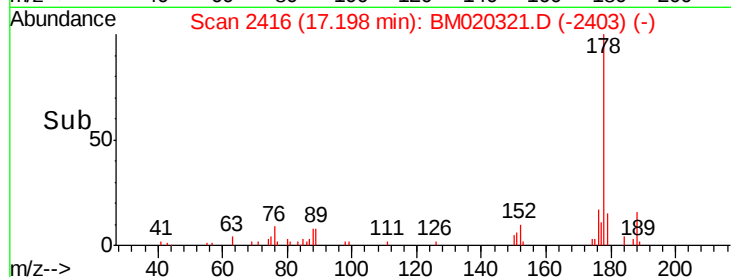
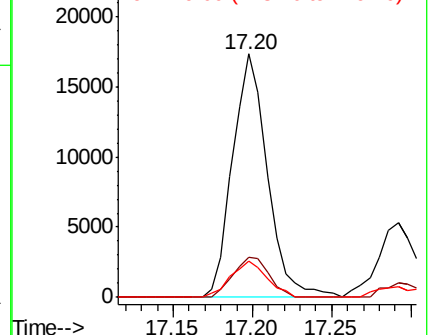
179 14.8 12.4 18.6



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: 4.149 ng

RT: 19.22 min Scan# 2759

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

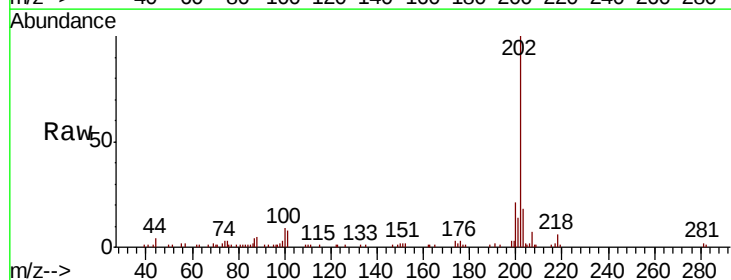
Tgt Ion:202 Resp: 67351

Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.4

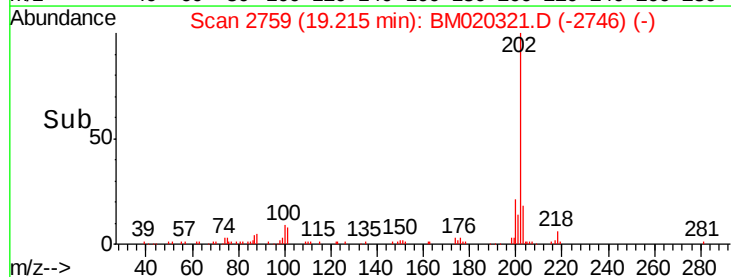
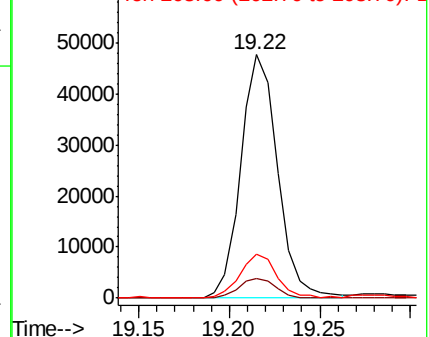
203 17.8 0.0 37.4

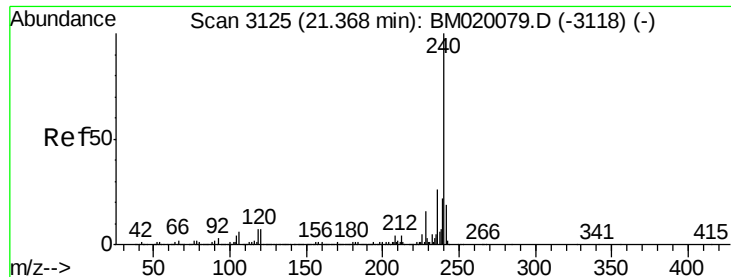


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

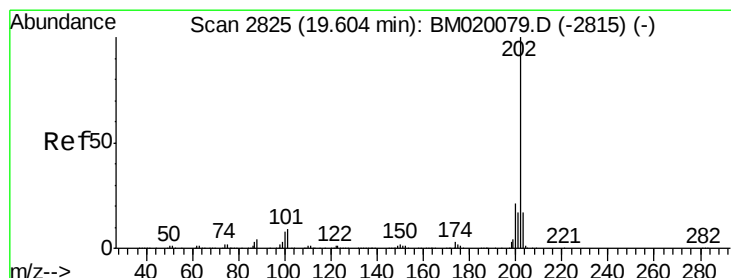
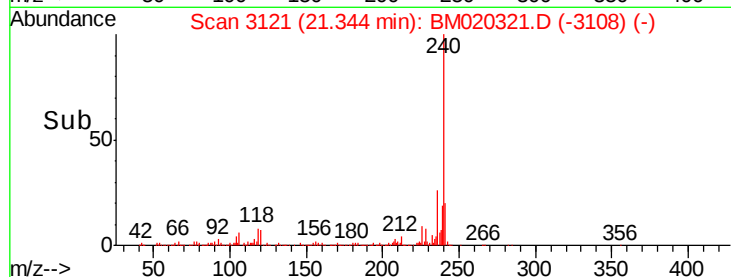
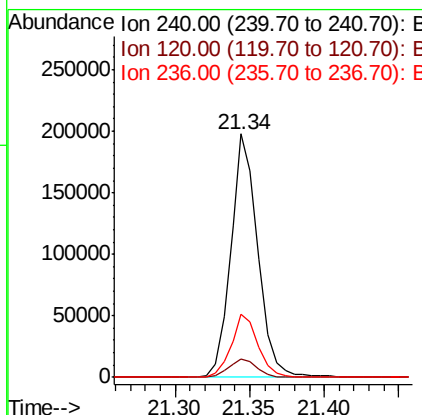
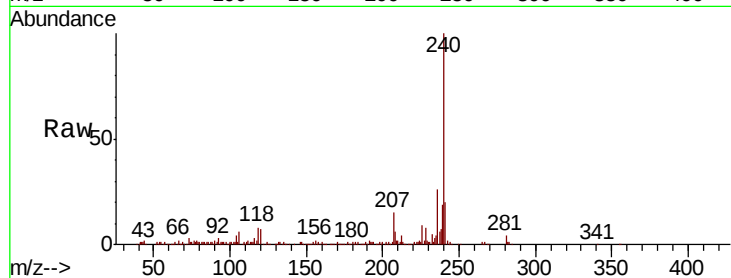




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

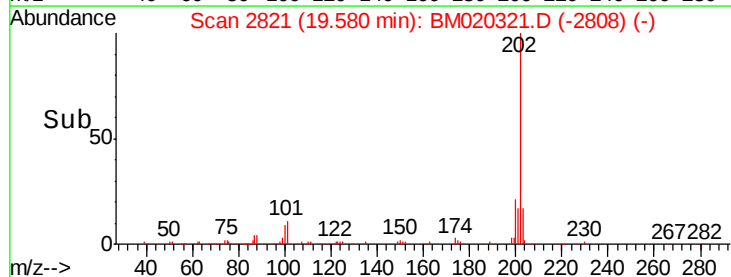
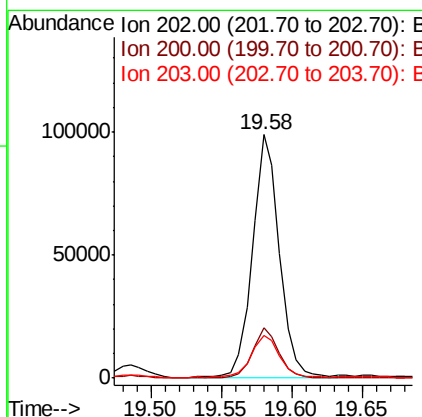
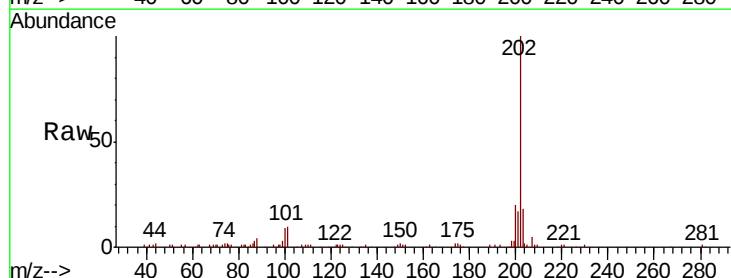
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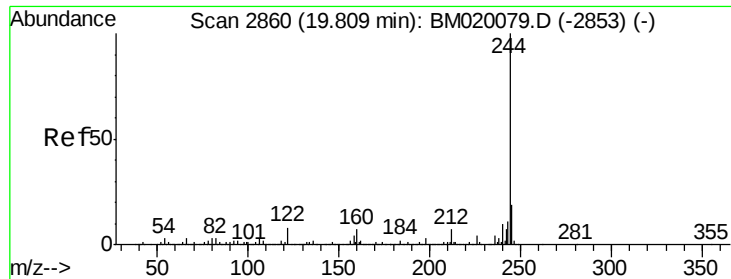
Tgt Ion: 240 Resp: 249882
Ion Ratio Lower Upper
240 100
120 7.5 5.6 8.4
236 25.7 20.9 31.3



#78
Pyrene
Concen: 7.842 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion: 202 Resp: 131565
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 17.7 13.9 20.9

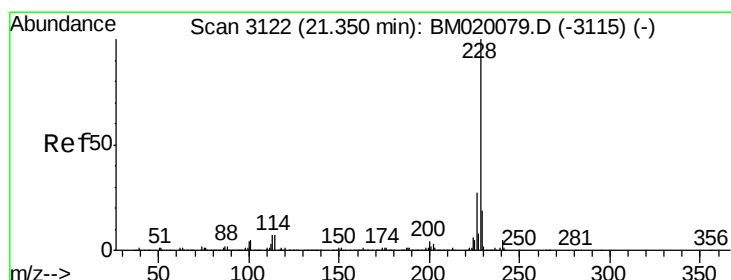
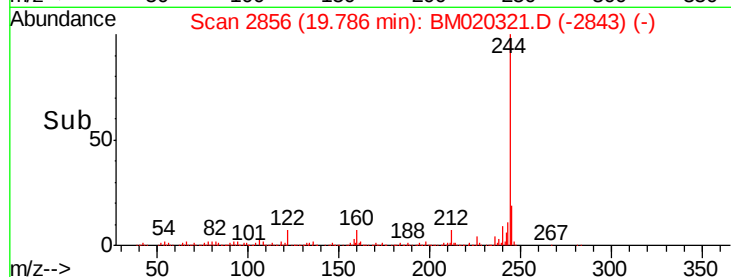
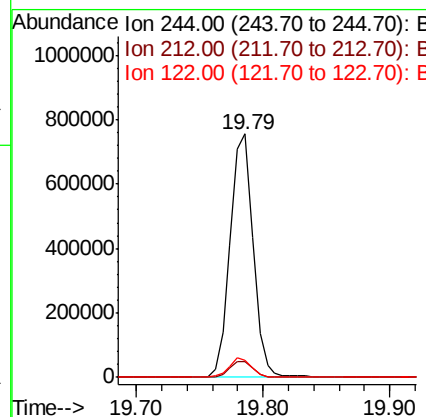
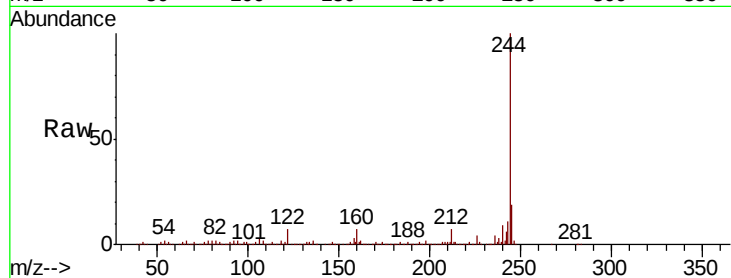




#79
 Terphenyl-d14
 Concen: 66.358 ng
 RT: 19.79 min Scan# 2856
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

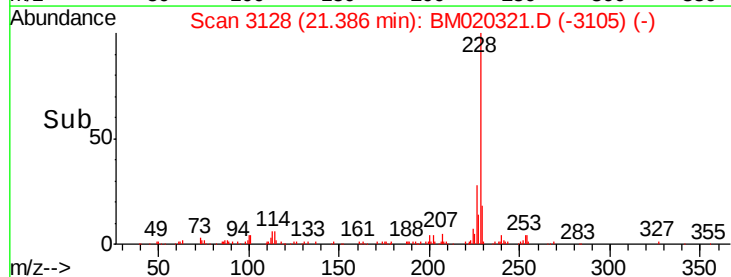
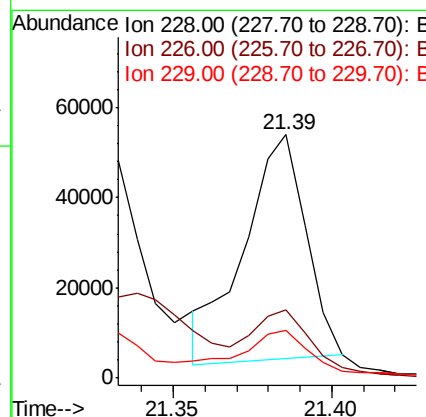
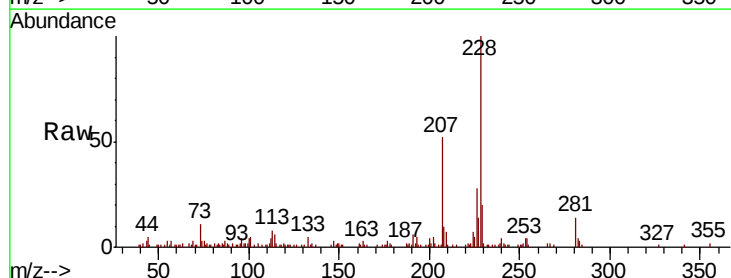
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

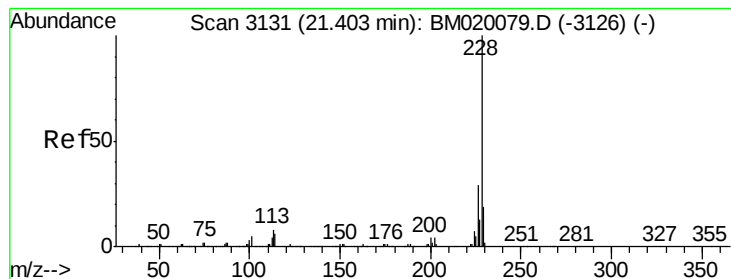
Tgt Ion:244 Resp: 950662
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 7.1 6.2 9.2



#81
 Benzo(a)anthracene
 Concen: 3.840 ng
 RT: 21.39 min Scan# 3128
 Delta R.T. 0.04 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Tgt Ion:228 Resp: 67289
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.3 31.9
 229 19.6 15.5 23.3





#83

Chrysene

Concen: 4.665 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

ClientSampleId :

P026-SS012-0612-01

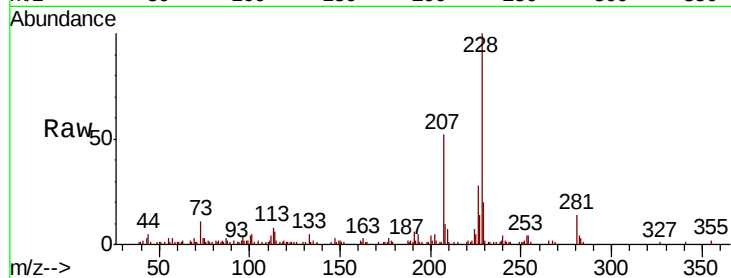
Tgt Ion: 228 Resp: 79284

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.6

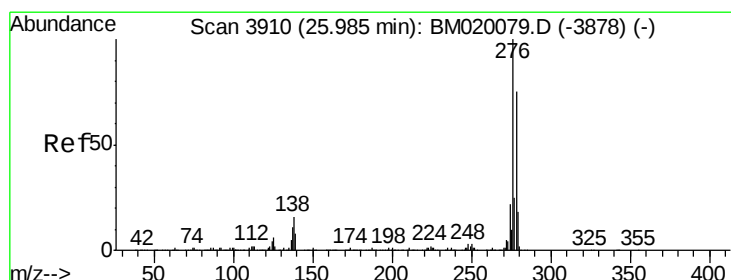
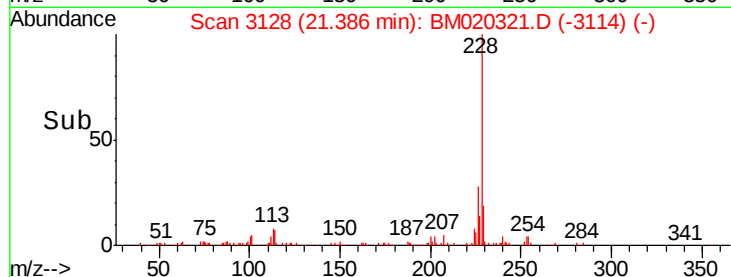
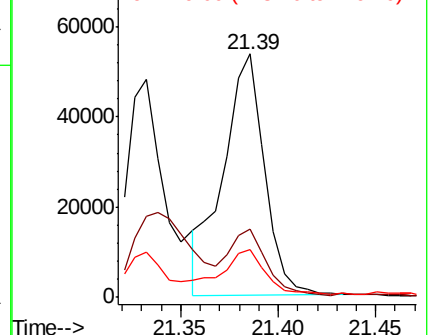
229 19.6 15.5 23.3



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

Indeno(1,2,3-cd)pyrene

Concen: 2.664 ng

RT: 25.94 min Scan# 3903

Delta R.T. -0.04 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

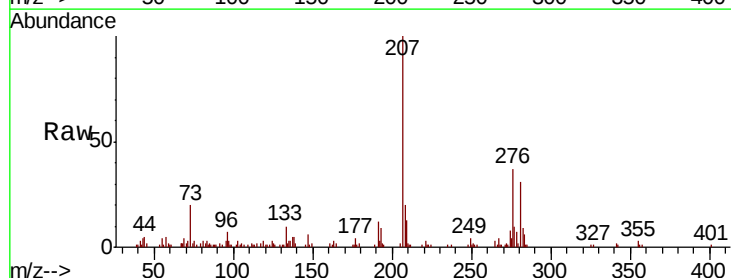
Tgt Ion: 276 Resp: 53855

Ion Ratio Lower Upper

276 100

138 16.5 0.0 0.0#

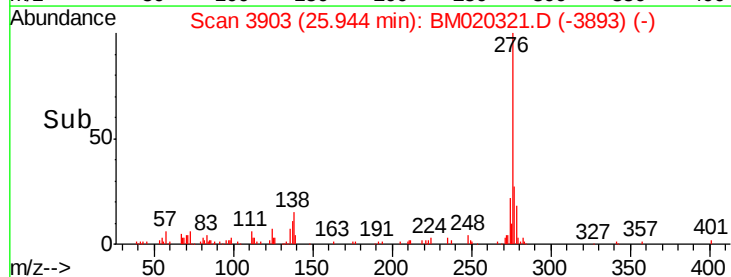
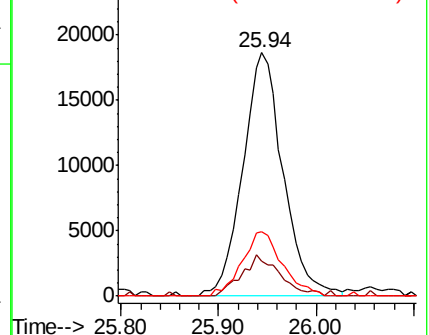
277 26.3 0.0 0.0#

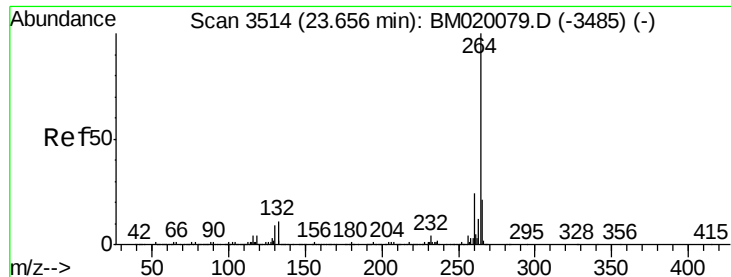


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

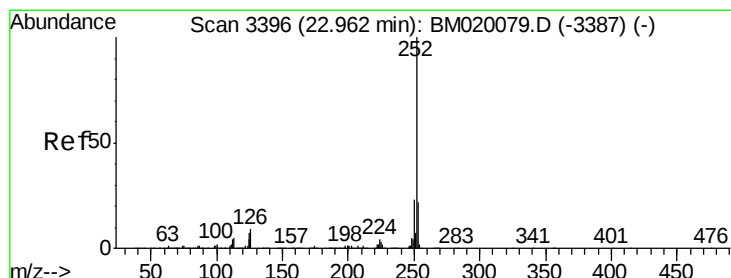
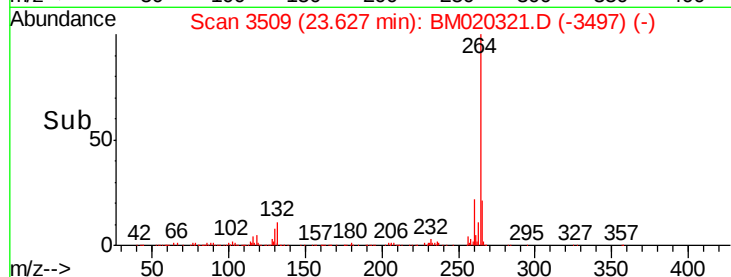
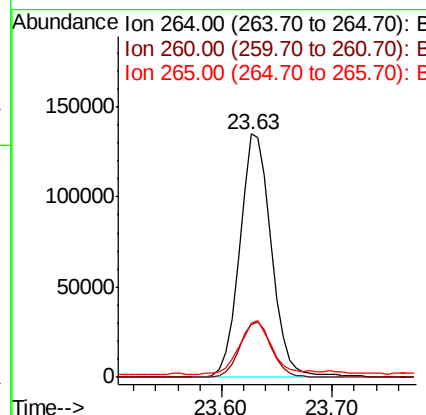
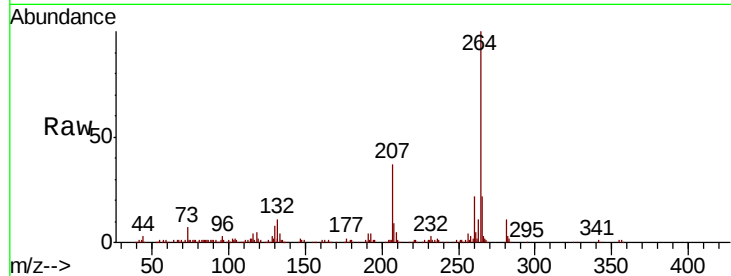




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

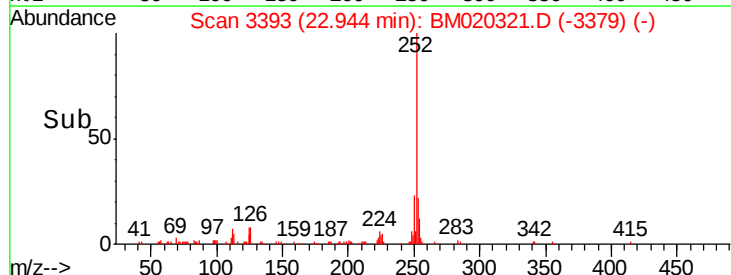
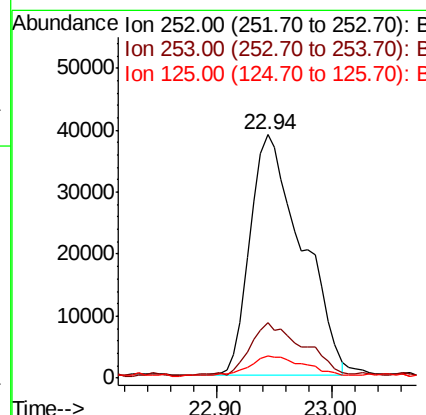
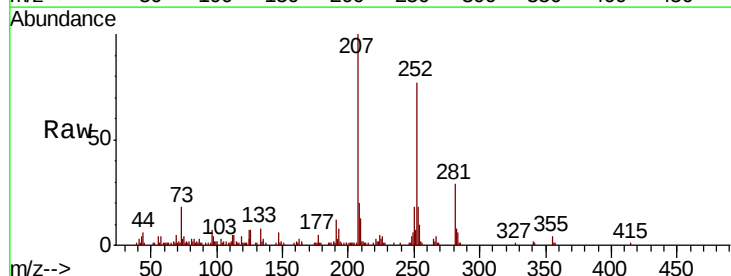
Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

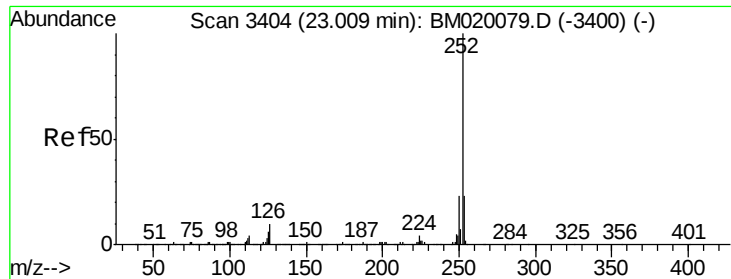
Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.2	28.8
265	22.3	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 6.782 ng
RT: 22.94 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.0	5.4	8.2#





#89

Benzo(k)fluoranthene

Concen: 7.454 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.06 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

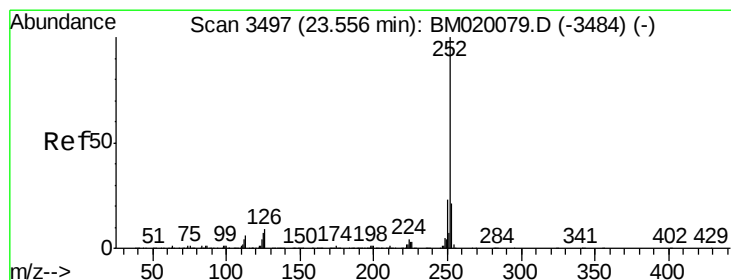
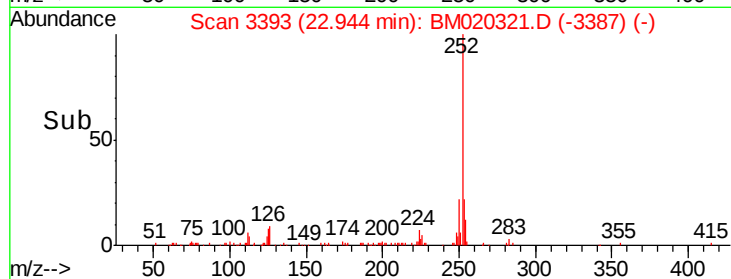
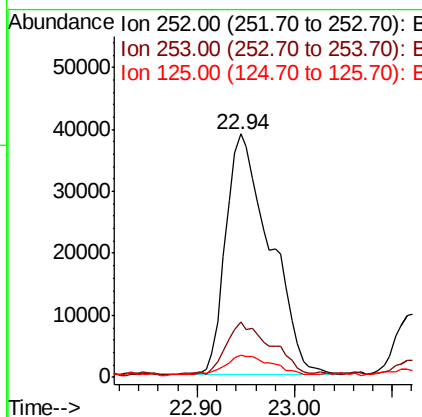
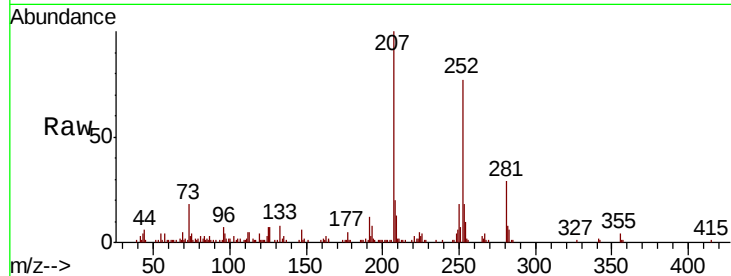
Instrument :

BNA_M

ClientSampleId :

P026-SS012-0612-01

Tgt Ion:	252	Resp:	122017
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	9.0	5.4	8.0#



#90

Benzo(a)pyrene

Concen: 4.071 ng

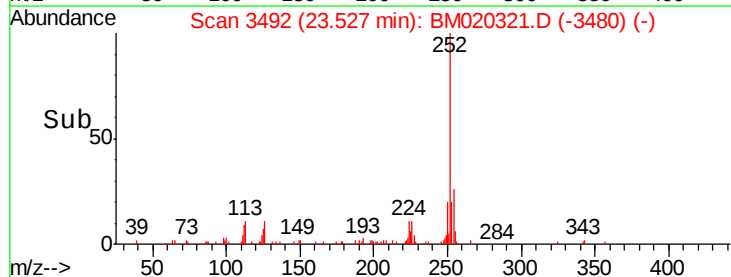
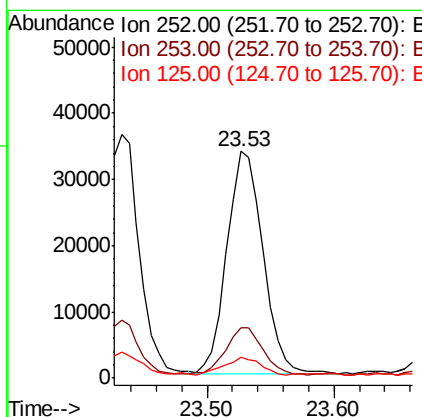
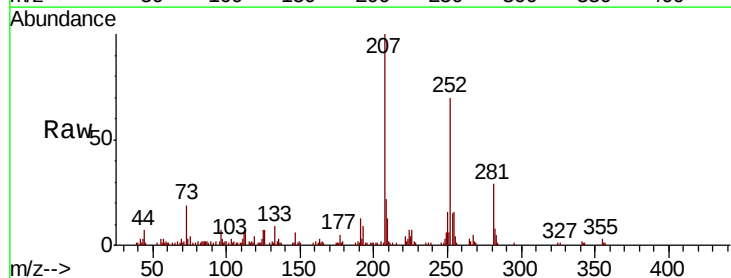
RT: 23.53 min Scan# 3492

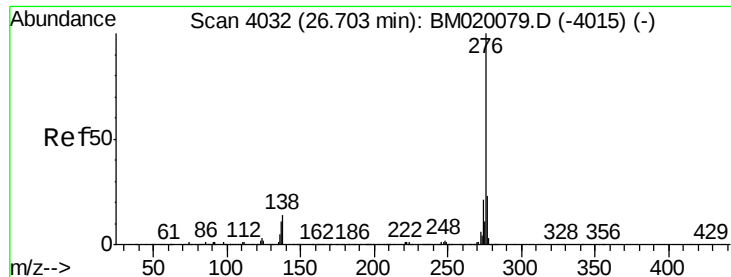
Delta R.T. -0.03 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Tgt Ion:	252	Resp:	66365
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	9.4	5.5	8.3#





#92

Benzo(g,h,i)perylene

Concen: 4.280 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.04 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

ClientSampleId :

P026-SS012-0612-01

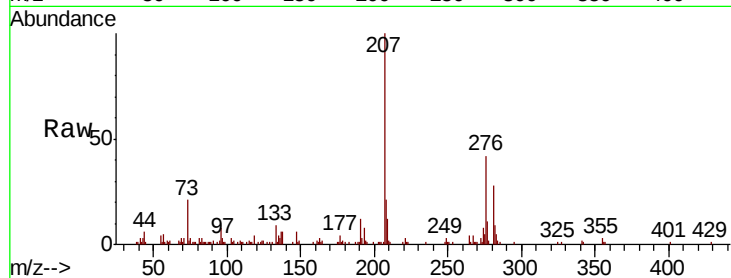
Tgt Ion: 276 Resp: 68881

Ion Ratio Lower Upper

276 100

277 25.2 18.4 27.6

138 14.8 11.1 16.7



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

