

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020302.D
 Acq On : 12 May 2019 17:19
 Operator : JU/SJ
 Sample : K2768-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS015-0206-01

Quant Time: May 13 05:23:18 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

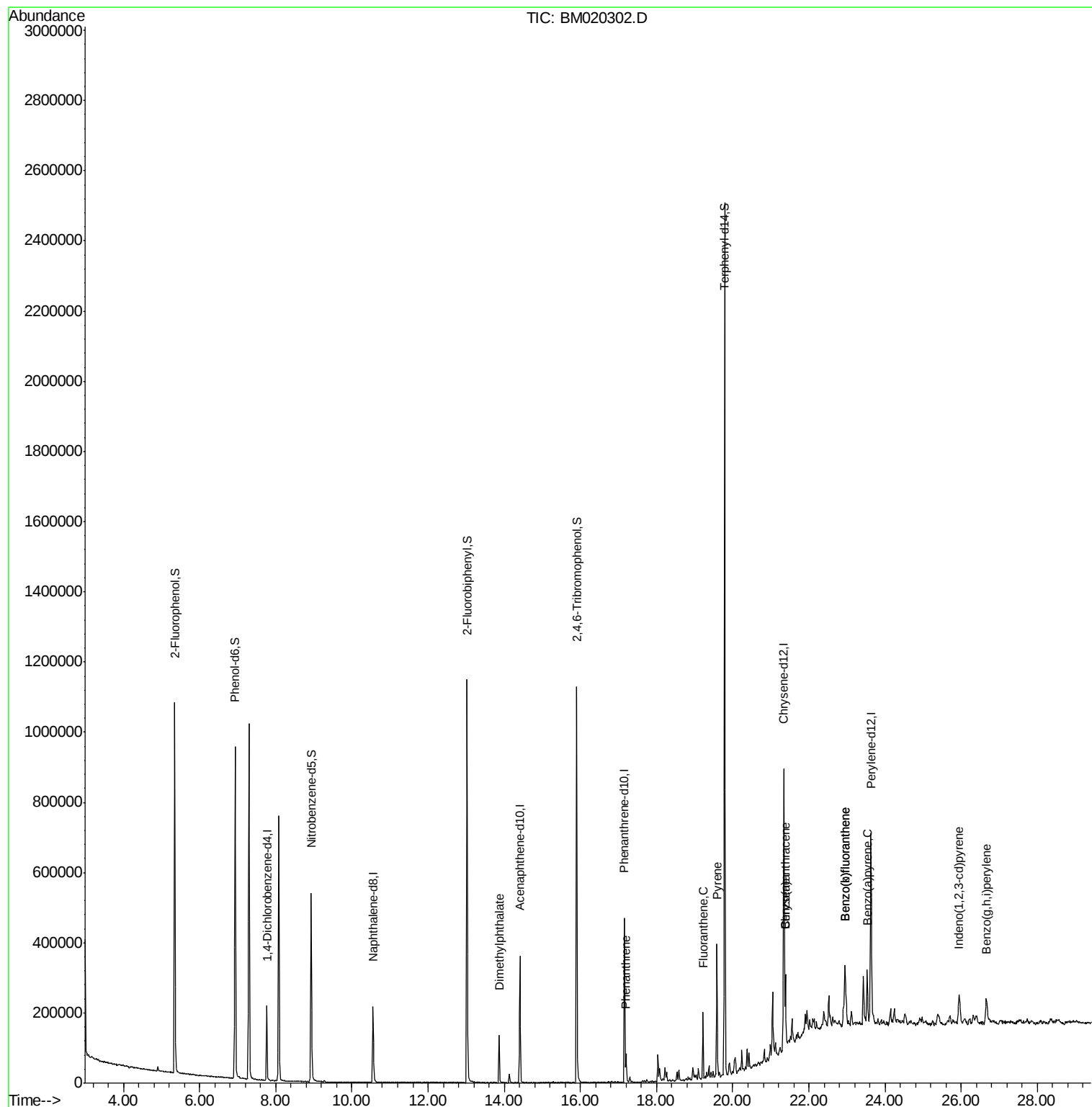
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	55900	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	188356	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	116352	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	287412	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	333420	20.00	ng	-0.02
87) Perylene-d12	23.63	264	399769	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	417081	121.96	ng	-0.02
7) Phenol-d6	6.93	99	545982	116.86	ng	-0.02
23) Nitrobenzene-d5	8.93	82	364911	76.49	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	218954	121.24	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	611638	64.68	ng	-0.03
79) Terphenyl-d14	19.79	244	1127290	58.97	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.87	163	87715	8.870	ng	98
71) Phenanthrene	17.20	178	48933	3.084	ng	98
75) Fluoranthene	19.22	202	116236	5.790	ng	99
78) Pyrene	19.59	202	232757	10.398	ng	98
81) Benzo(a)anthracene	21.39	228	102749	4.394	ng	96
83) Chrysene	21.39	228	120942	5.333	ng	98
86) Indeno(1,2,3-cd)pyrene	25.94	276	77237	2.863	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	174343	6.604	ng	99
89) Benzo(k)fluoranthene	22.94	252	173685	7.213	ng	# 99
90) Benzo(a)pyrene	23.53	252	92177	3.844	ng	96
92) Benzo(g,h,i)perylene	26.66	276	93352	3.943	ng	99

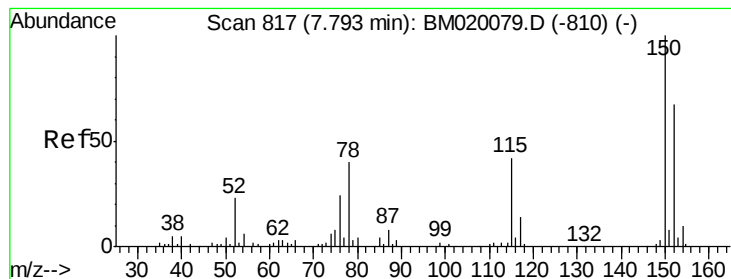
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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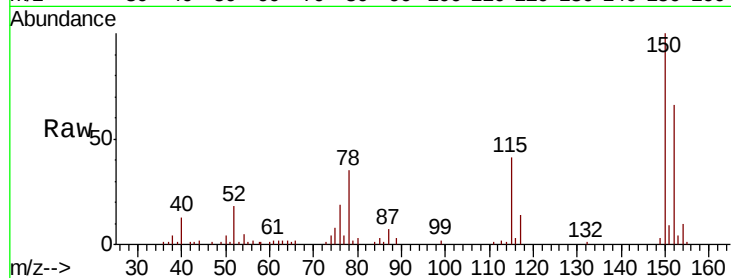


#1

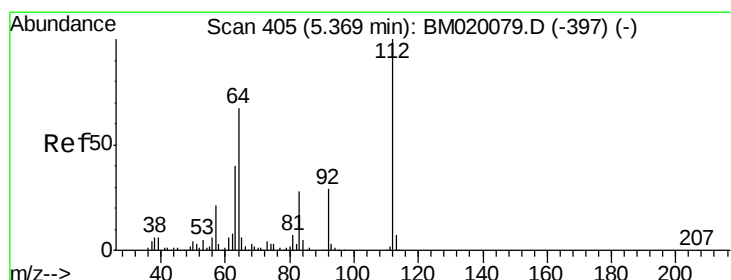
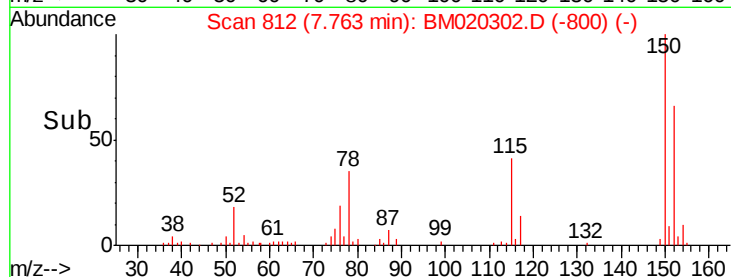
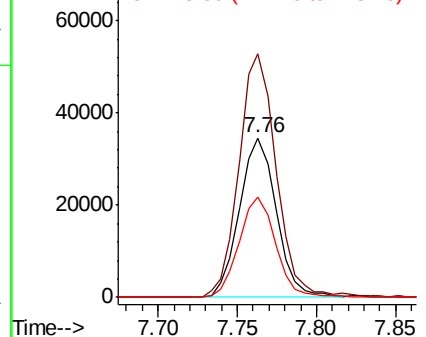
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Instrument :
BNA_M
ClientSampleId :
P026-SS015-0206-01

Tgt Ion:152 Resp: 55900
Ion Ratio Lower Upper
152 100
150 152.6 119.8 179.8
115 63.0 50.8 76.2



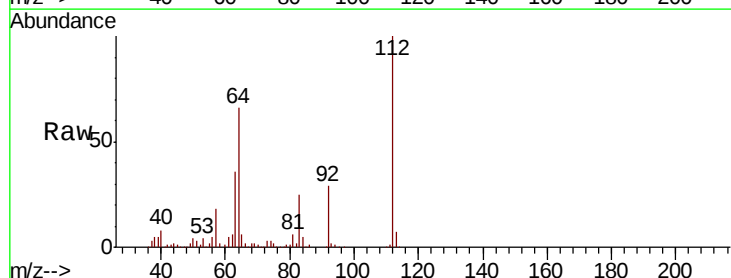
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



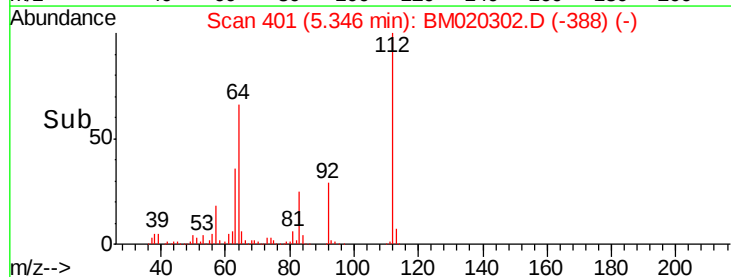
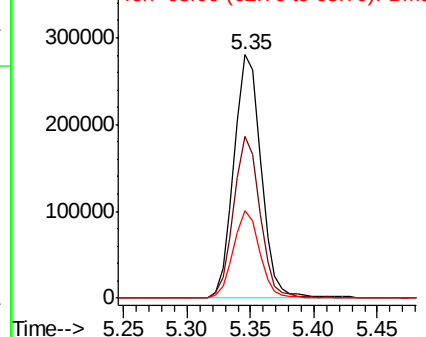
#5

2-Fluorophenol
Concen: 121.960 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Tgt Ion:112 Resp: 417081
Ion Ratio Lower Upper
112 100
64 66.2 53.8 80.6
63 35.7 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: 116.864 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Instrument :

BNA_M

ClientSampleId :

P026-SS015-0206-01

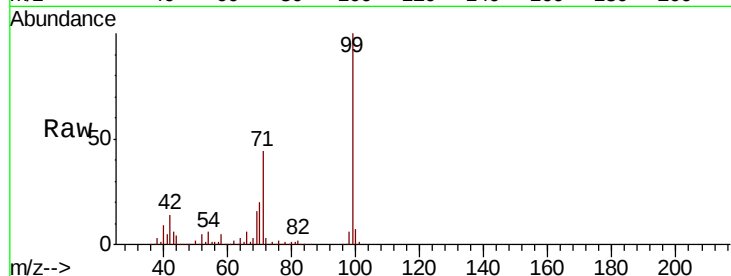
Tgt Ion: 99 Resp: 545982

Ion Ratio Lower Upper

99 100

42 14.1 14.2 21.2#

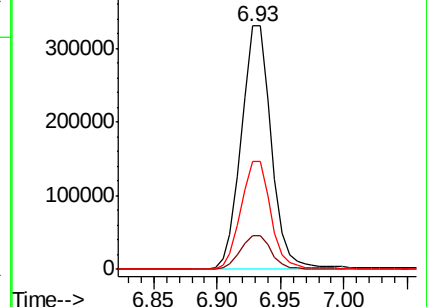
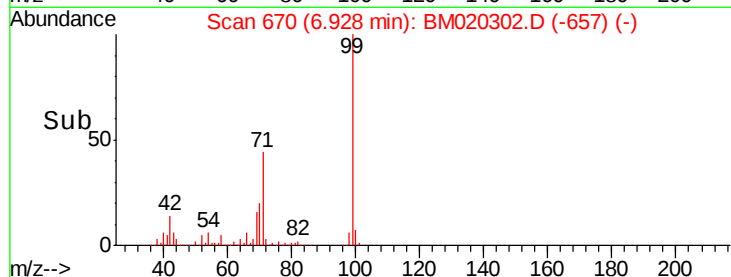
71 44.2 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020302.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020302.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020302.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Tgt Ion: 136 Resp: 188356

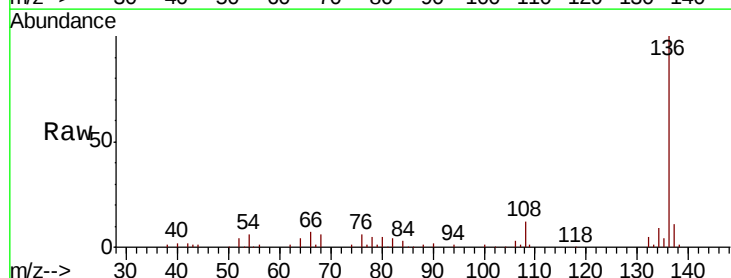
Ion Ratio Lower Upper

136 100

137 11.3 9.6 14.4

54 6.4 5.5 8.3

68 6.3 4.6 6.8

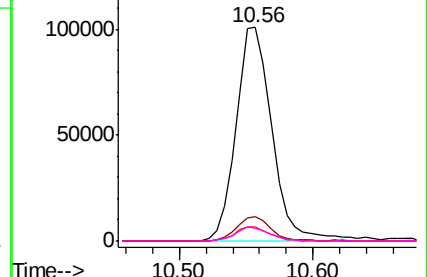
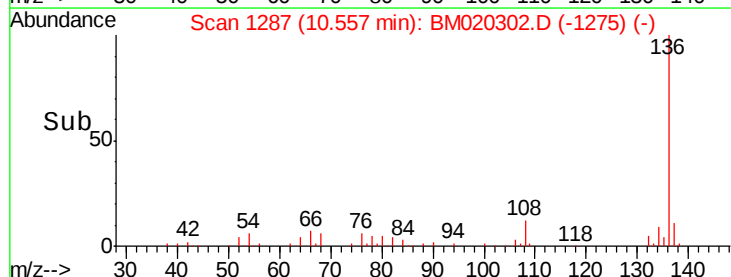


Abundance Ion 136.00 (135.70 to 136.70): BM020302.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020302.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020302.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020302.D (-1275) (-)

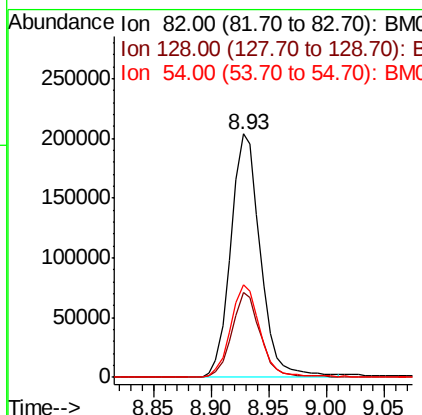
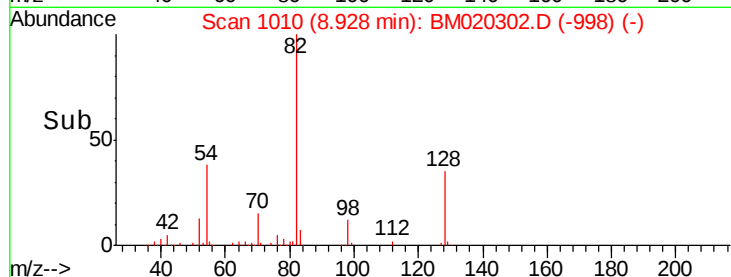
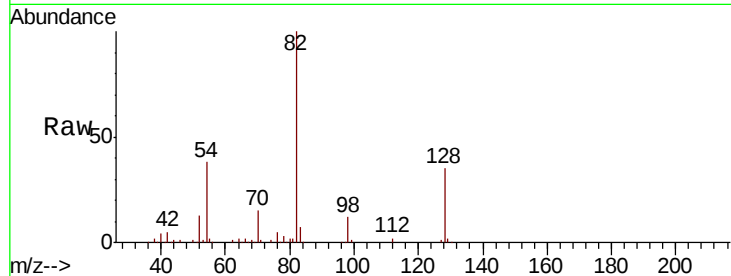




#23
Nitrobenzene-d5
Concen: 76.487 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

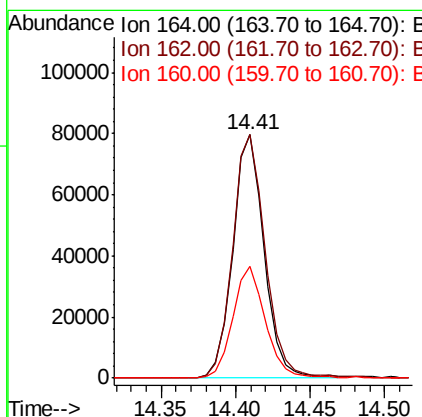
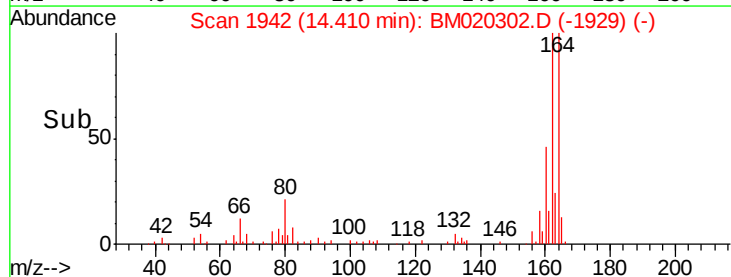
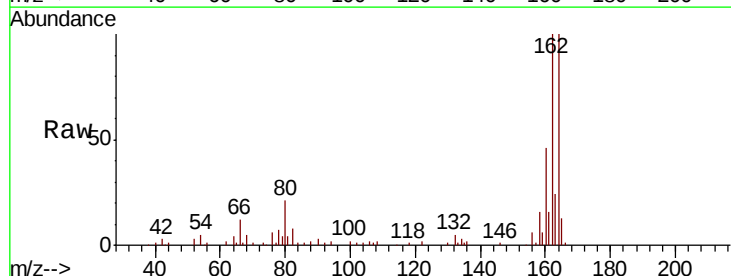
Instrument :
BNA_M
ClientSampleId :
P026-SS015-0206-01

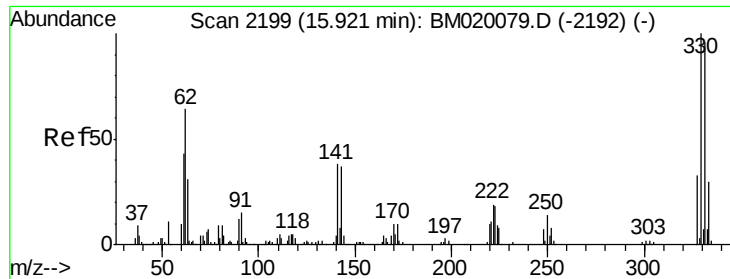
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.8	25.2	37.8
54	38.1	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.2	123.2
160	45.7	37.6	56.4

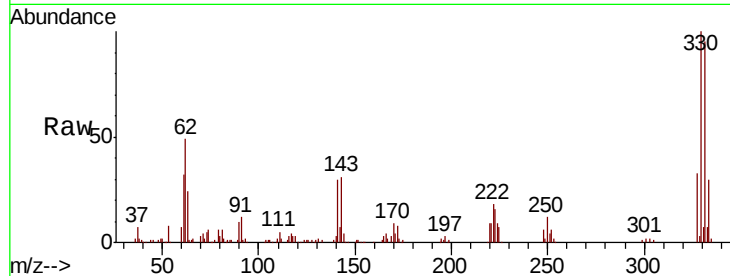




#42
 2,4,6-Tribromophenol
 Concen: 121.237 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020302.D
 Acq: 12 May 2019 17:19

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS015-0206-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	32.3	29.2	43.8

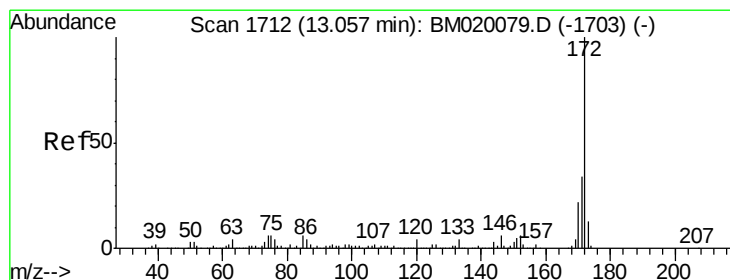
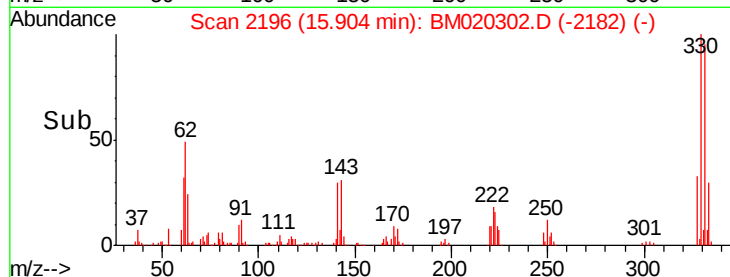
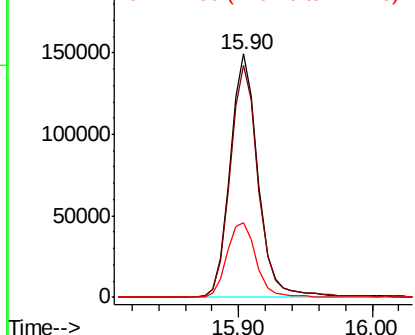


Abundance

Ion 329.80 (329.50 to 330.50): E

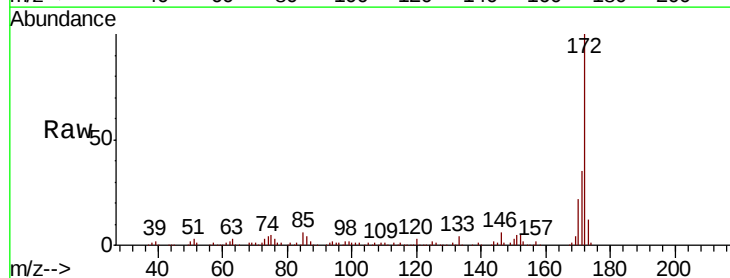
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.678 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020302.D
 Acq: 12 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.3	40.9
170	22.3	17.9	26.9

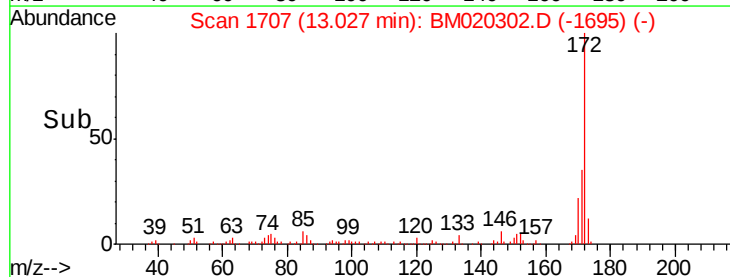
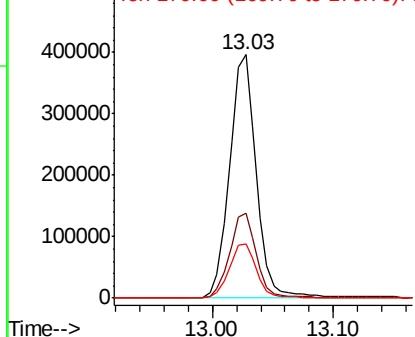


Abundance

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: 8.870 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Instrument :

BNA_M

ClientSampleId :

P026-SS015-0206-01

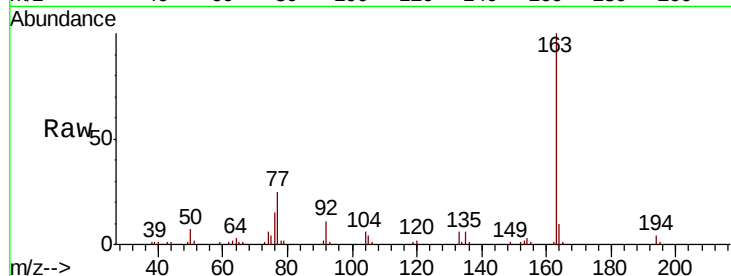
Tgt Ion:163 Resp: 87715

Ion Ratio Lower Upper

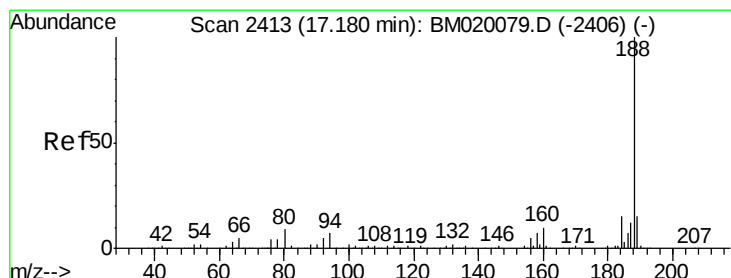
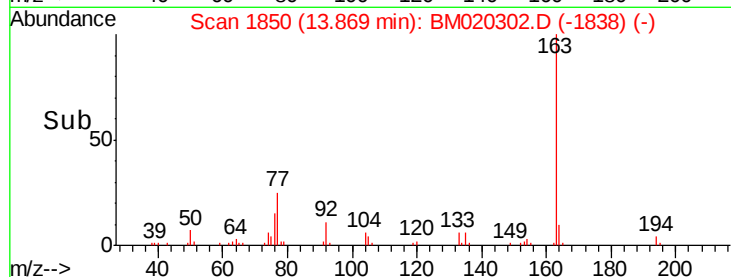
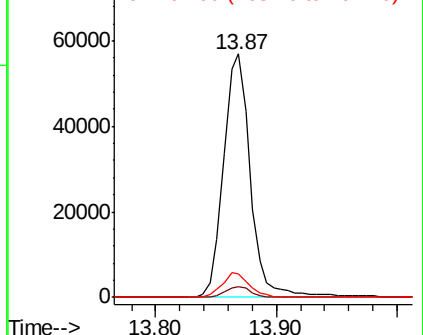
163 100

194 4.2 3.6 5.4

164 9.7 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: BM020302.D

Acq: 12 May 2019 17:19

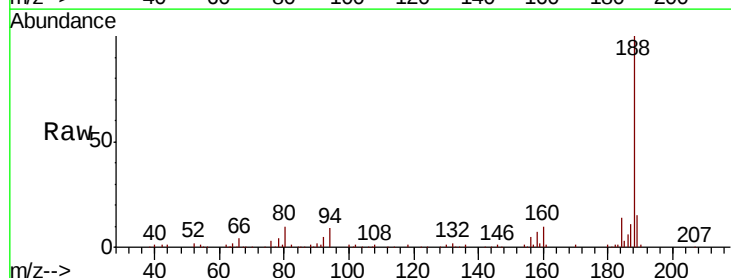
Tgt Ion:188 Resp: 287412

Ion Ratio Lower Upper

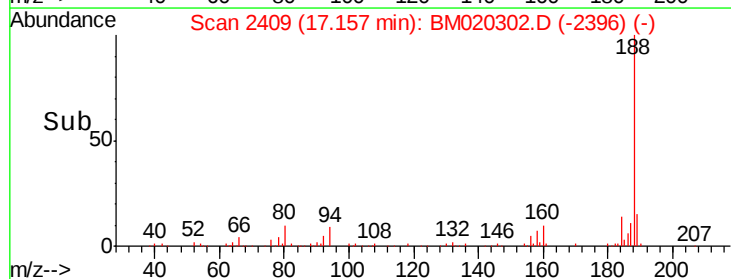
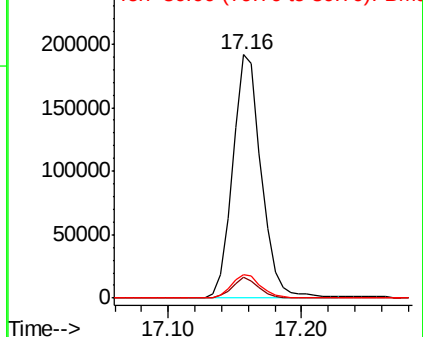
188 100

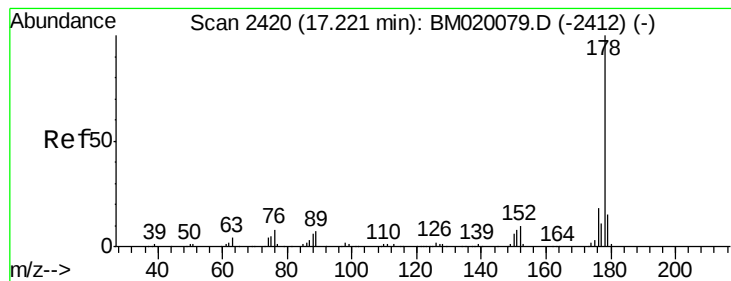
94 8.5 5.8 8.6

80 9.8 7.4 11.2



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: 3.084 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.02 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

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P026-SS015-0206-01

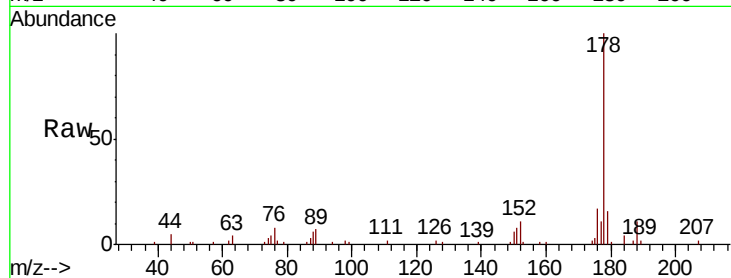
Tgt Ion:178 Resp: 48933

Ion Ratio Lower Upper

178 100

176 17.0 14.6 21.8

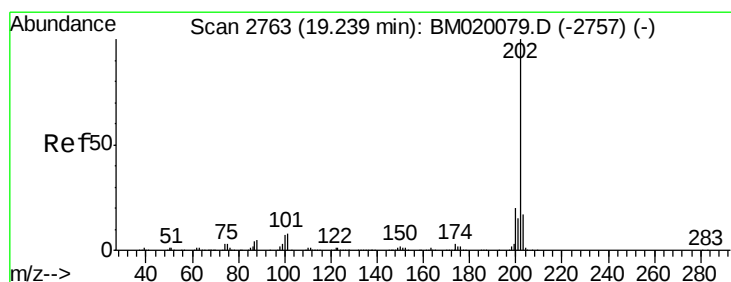
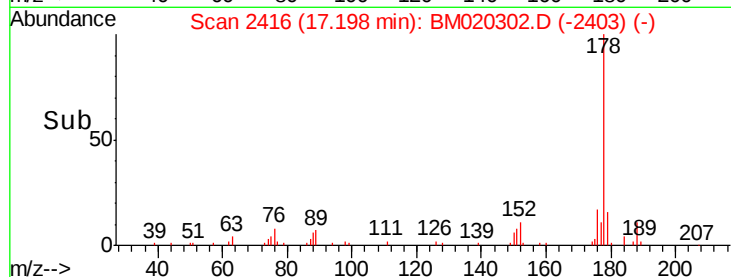
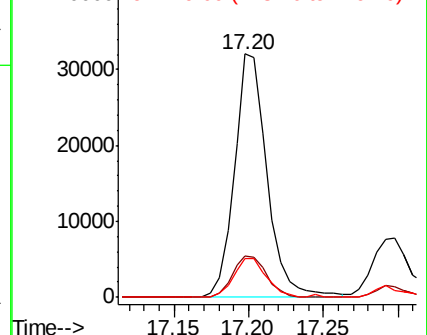
179 15.9 12.4 18.6



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: 5.790 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

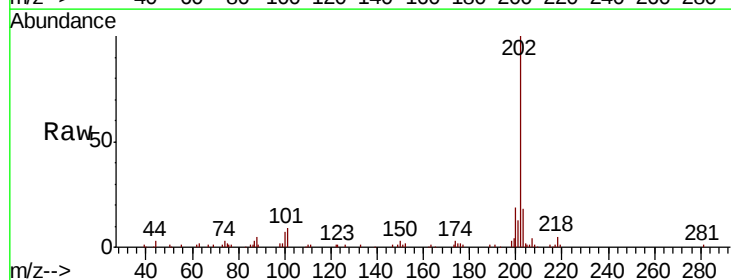
Tgt Ion:202 Resp: 116236

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.4

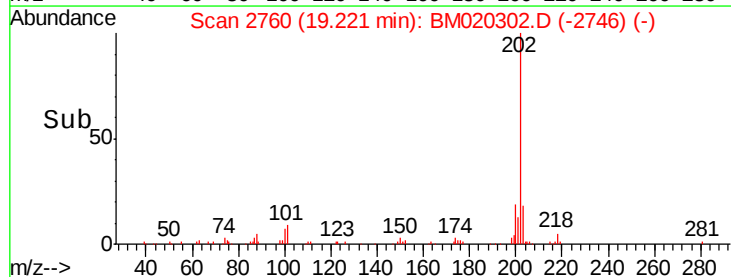
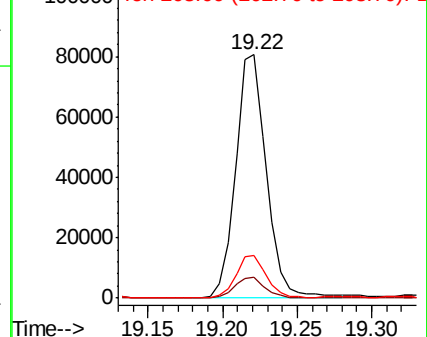
203 17.7 0.0 37.4

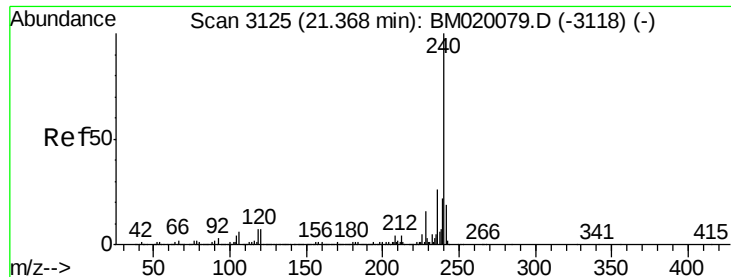


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

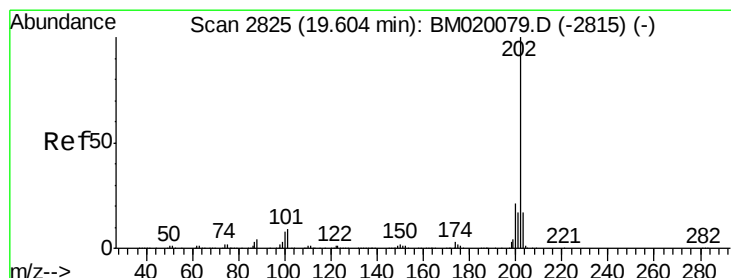
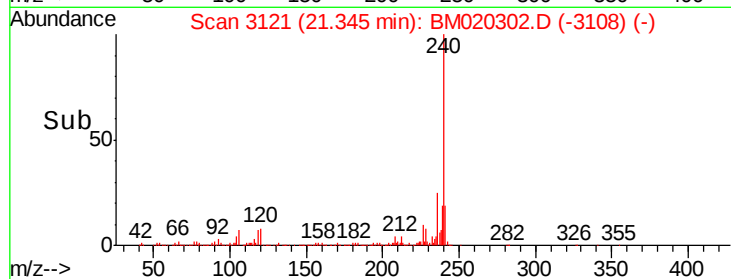
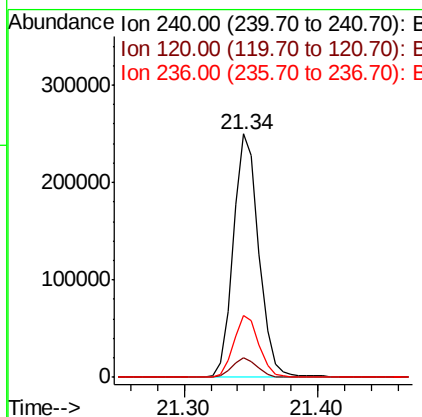
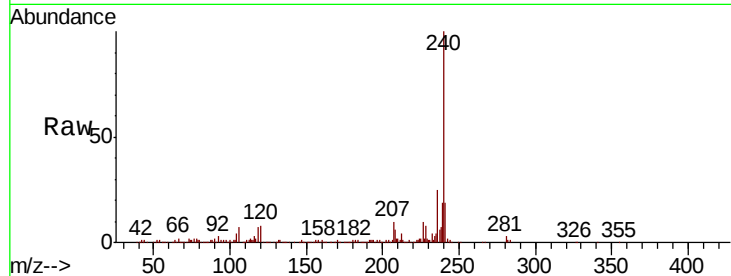




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

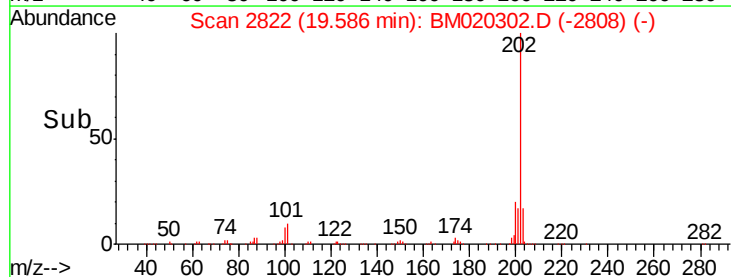
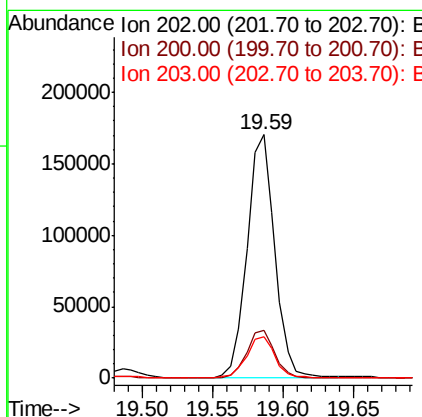
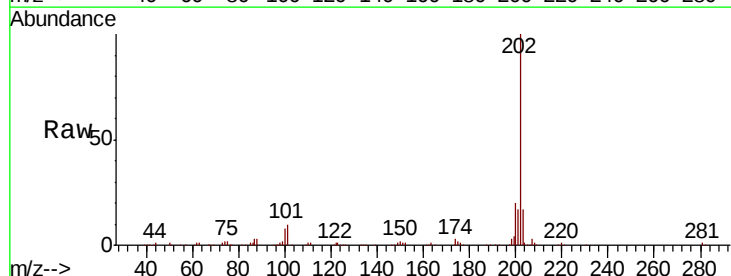
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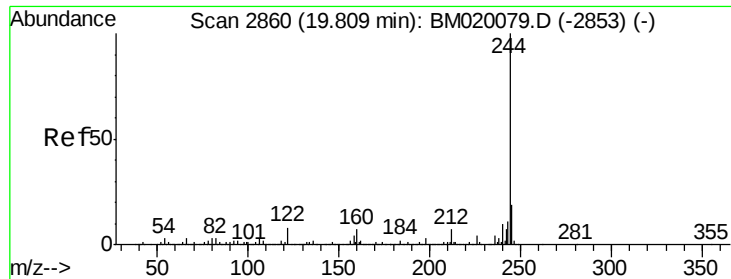
Tgt Ion:240 Resp: 333420
Ion Ratio Lower Upper
240 100
120 7.9 5.6 8.4
236 25.4 20.9 31.3



#78
Pyrene
Concen: 10.398 ng
RT: 19.59 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Tgt Ion:202 Resp: 232757
Ion Ratio Lower Upper
202 100
200 19.6 16.5 24.7
203 17.0 13.9 20.9





#79

Terphenyl-d14

Concen: 58.972 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Instrument :

BNA_M

ClientSampleId :

P026-SS015-0206-01

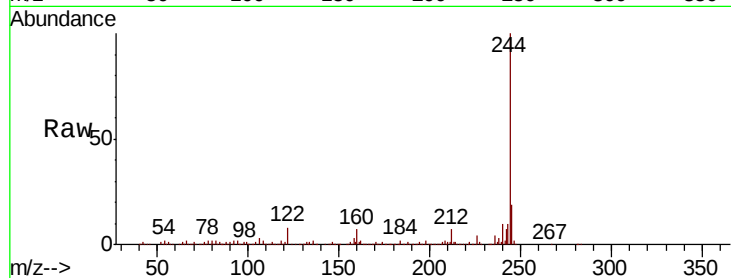
Tgt Ion:244 Resp: 1127290

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

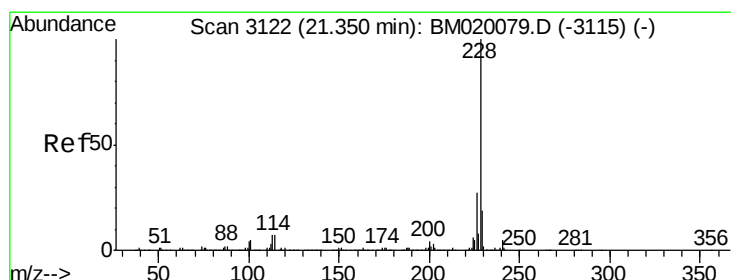
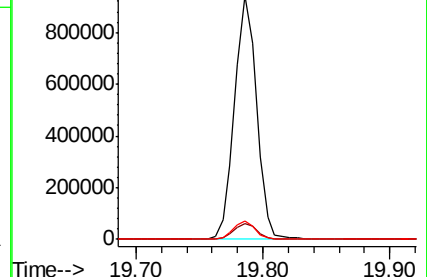
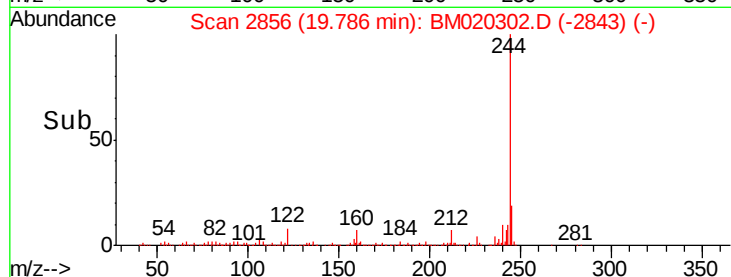
122 7.8 6.2 9.2



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: 4.394 ng

RT: 21.39 min Scan# 3128

Delta R.T. 0.04 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

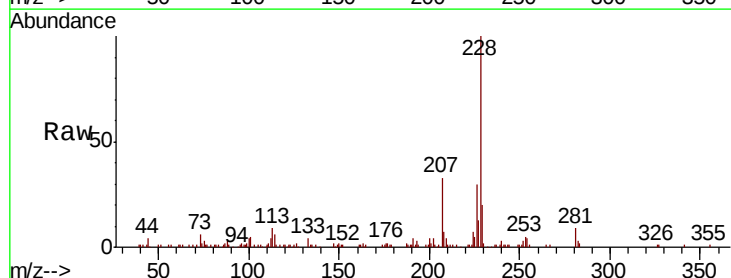
Tgt Ion:228 Resp: 102749

Ion Ratio Lower Upper

228 100

226 30.1 21.3 31.9

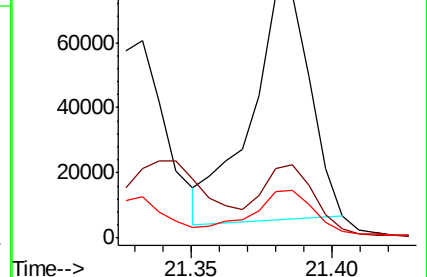
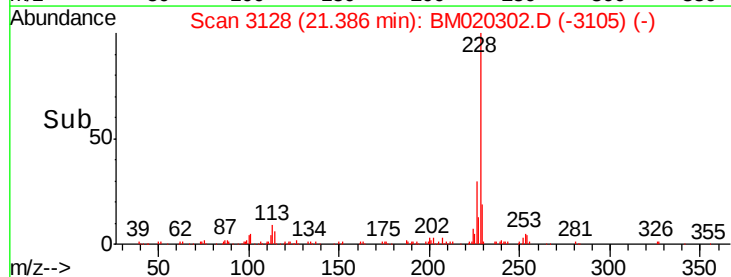
229 19.8 15.5 23.3

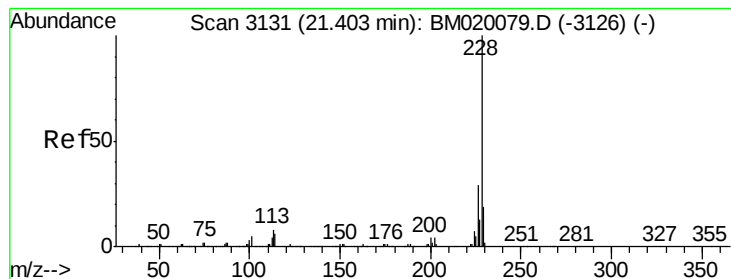


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.333 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Instrument :

BNA_M

ClientSampleId :

P026-SS015-0206-01

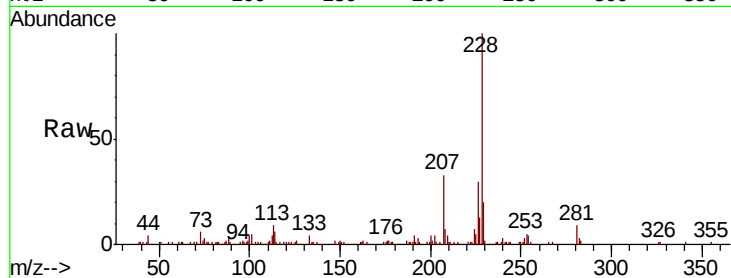
Tgt Ion: 228 Resp: 120942

Ion Ratio Lower Upper

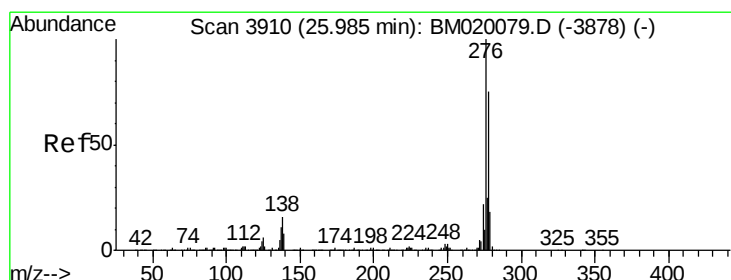
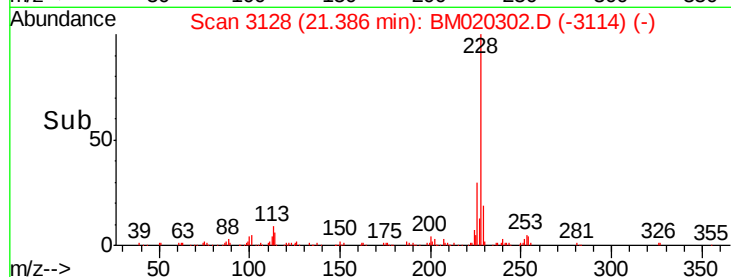
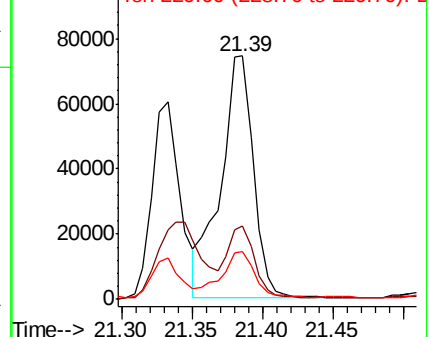
228 100

226 30.1 23.0 34.6

229 19.8 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: 2.863 ng

RT: 25.94 min Scan# 3903

Delta R.T. -0.04 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

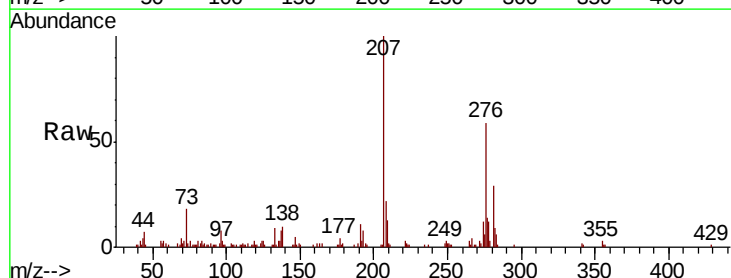
Tgt Ion: 276 Resp: 77237

Ion Ratio Lower Upper

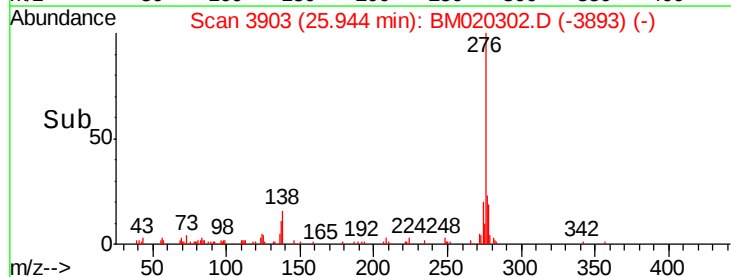
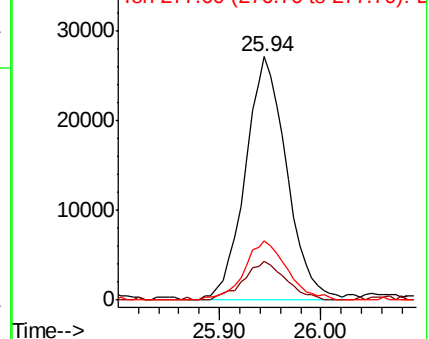
276 100

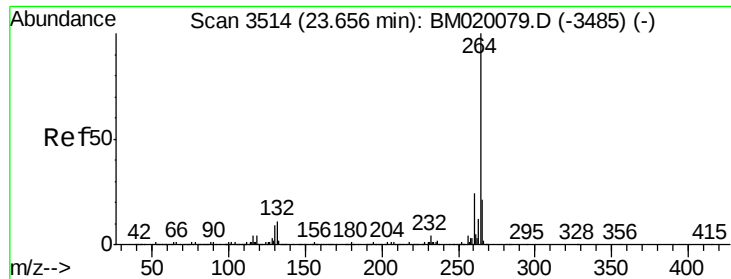
138 16.2 0.0 0.0#

277 25.1 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



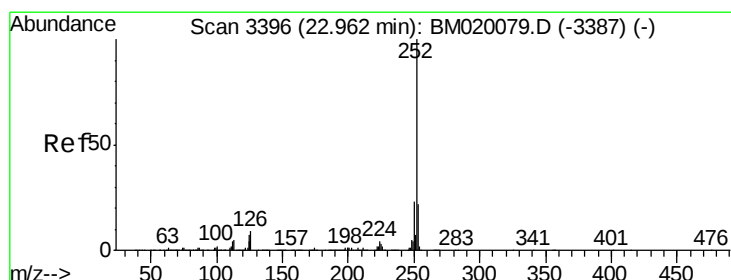
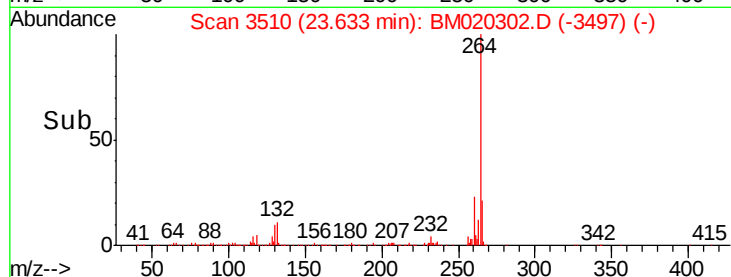
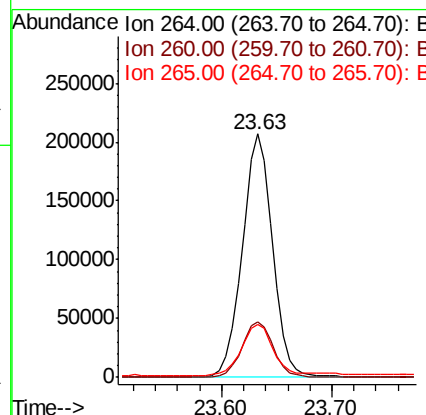
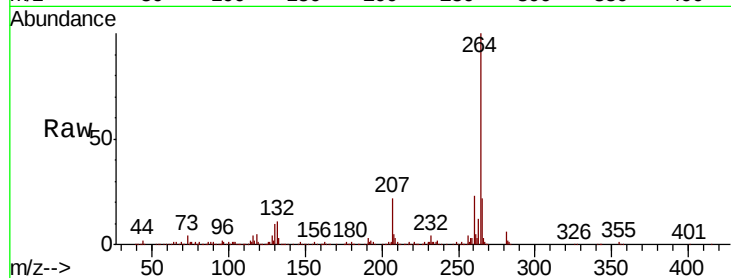


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Instrument :
BNA_M
ClientSampleId :
P026-SS015-0206-01

Tgt Ion: 264 Resp: 399769

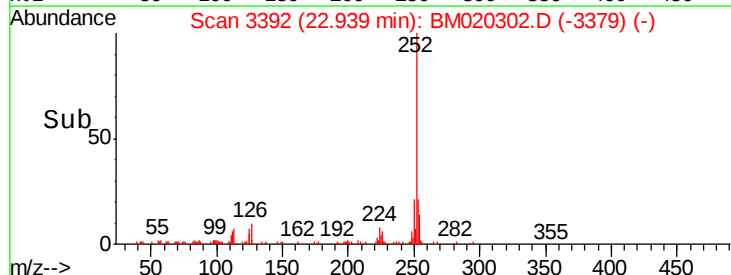
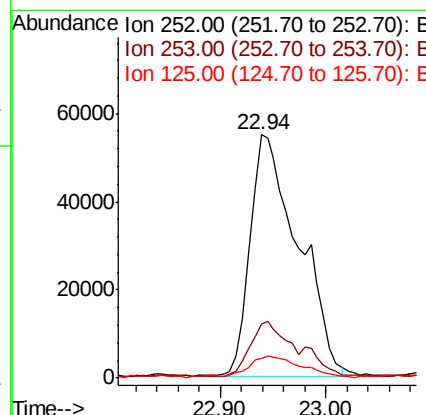
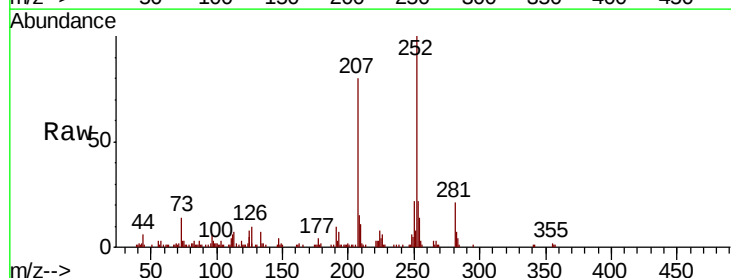
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.5	16.9	25.3

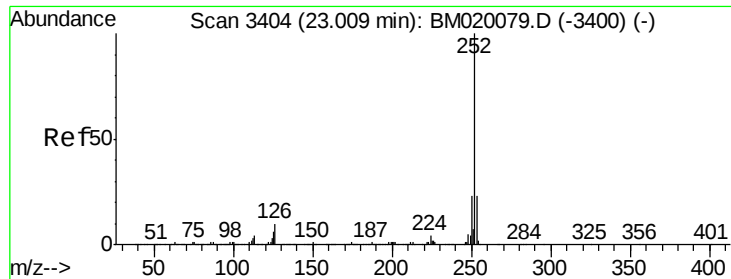


#88
Benzo(b)fluoranthene
Concen: 6.604 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Tgt Ion: 252 Resp: 174343

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.1	5.4	8.2

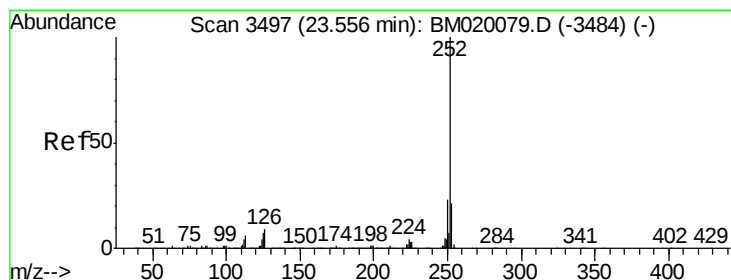
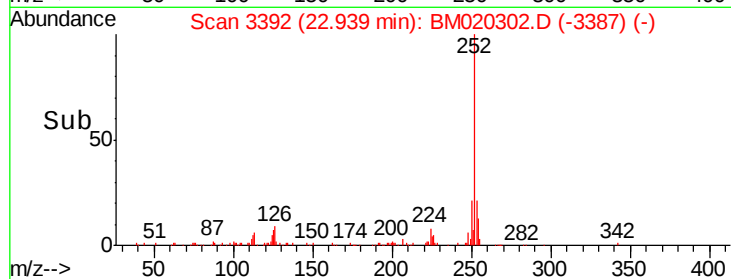
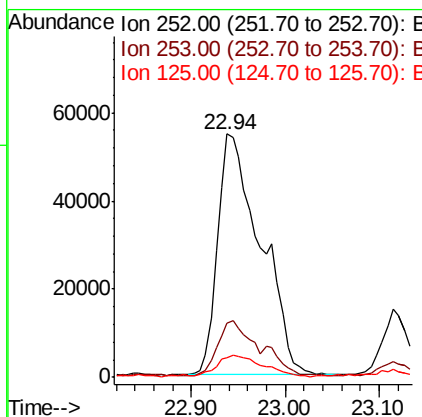
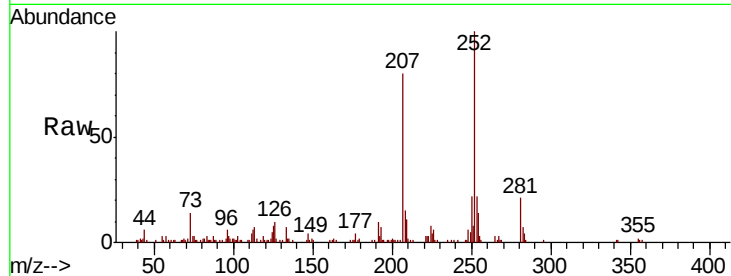




#89
Benzo(k)fluoranthene
Concen: 7.213 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.07 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

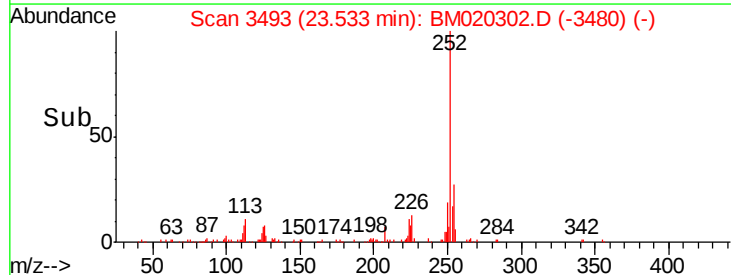
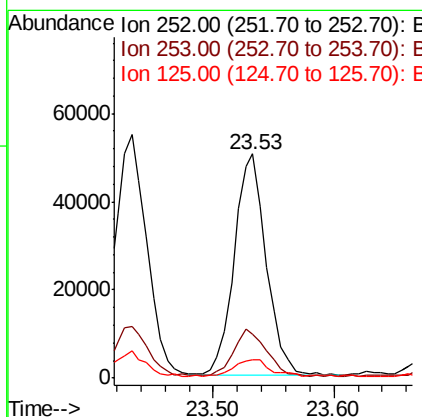
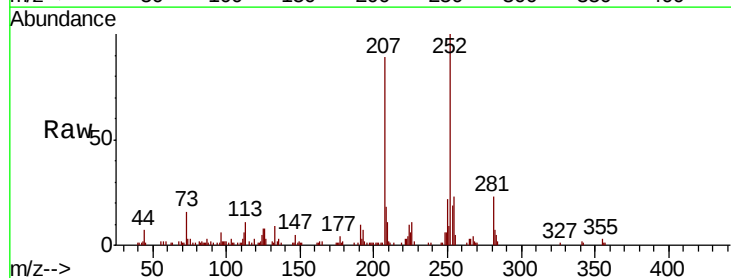
Instrument :
BNA_M
ClientSampleId :
P026-SS015-0206-01

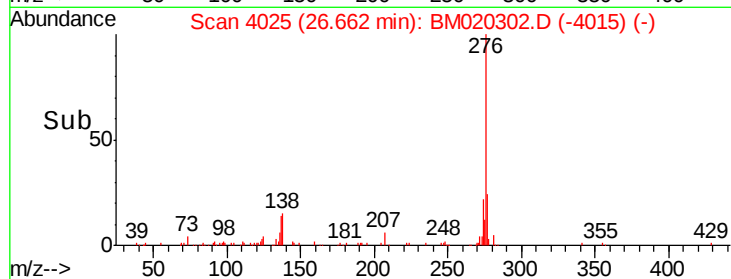
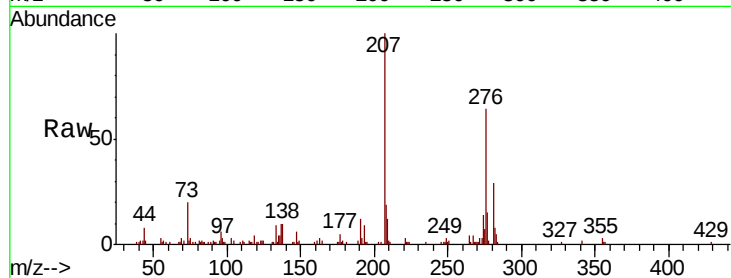
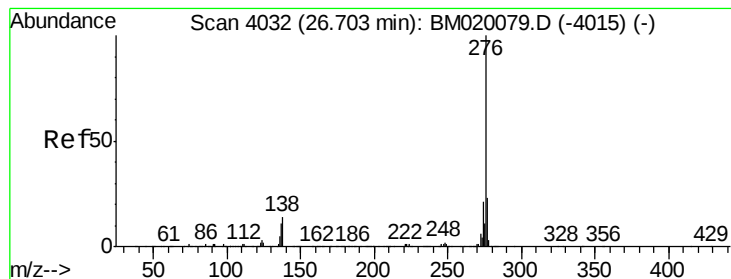
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.1	5.4	8.0#



#90
Benzo(a)pyrene
Concen: 3.844 ng
RT: 23.53 min Scan# 3493
Delta R.T. -0.02 min
Lab File: BM020302.D
Acq: 12 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.4	17.0	25.6
125	8.1	5.5	8.3





#92

Benzo(g,h,i)perylene

Concen: 3.943 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.04 min

Lab File: BM020302.D

Acq: 12 May 2019 17:19

Instrument :

BNA_M

ClientSampleId :

P026-SS015-0206-01

Tgt Ion: 276 Resp: 93352

Ion Ratio Lower Upper

276 100

277 23.0 18.4 27.6

138 15.0 11.1 16.7

