

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020161.D
 Acq On : 07 May 2019 09:26
 Operator : JU/SJ
 Sample : K2672-14 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 07 11:21:52 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	7.80	152	206642	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	781023	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	416539	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	880217	20.00	ng	0.01
76) Chrysene-d12	21.37	240	859188	20.00	ng	0.00
87) Perylene-d12	23.67	264	1027720	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	116406	9.21	ng	0.00
7) Phenol-d6	6.96	99	171847	9.95	ng	0.01
23) Nitrobenzene-d5	8.96	82	99943	5.05	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	51633	7.99	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	202678	5.99	ng	0.00
79) Terphenyl-d14	19.81	244	259927	5.28	ng	0.00

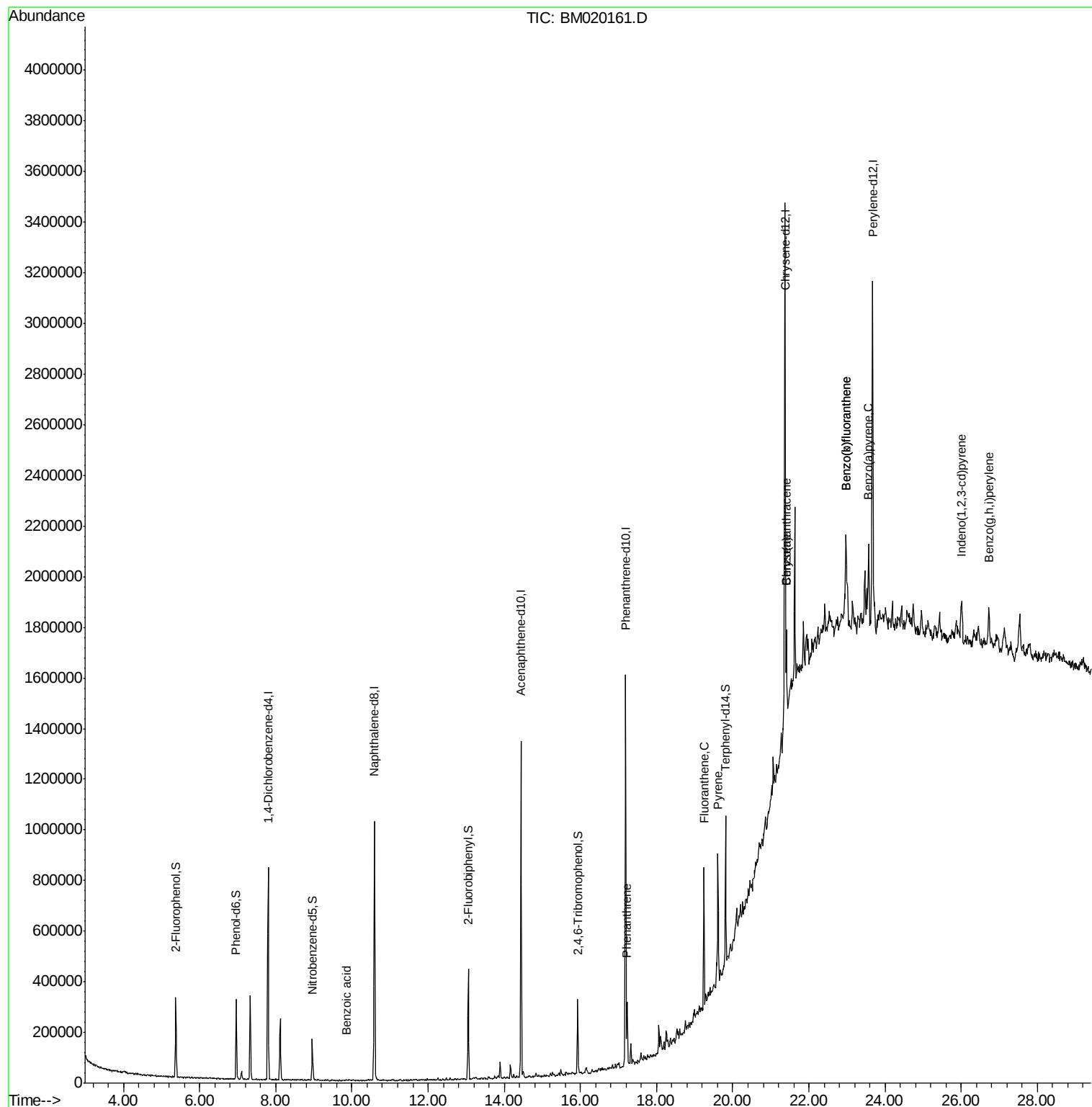
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.86	122	150	6.628	ng	# 1
71) Phenanthrene	17.23	178	143934	2.962	ng	96
75) Fluoranthene	19.25	202	336717	5.477	ng	98
78) Pyrene	19.61	202	317226	5.499	ng	98
81) Benzo(a)anthracene	21.41	228	170266	2.826	ng	91
83) Chrysene	21.41	228	178392	3.053	ng	94
86) Indeno(1,2,3-cd)pyrene	26.00	276	158130	2.275	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	393926	5.805	ng	# 89
89) Benzo(k)fluoranthene	22.97	252	394923	6.379	ng	# 89
90) Benzo(a)pyrene	23.57	252	221999	3.601	ng	# 91
92) Benzo(g,h,i)perylene	26.73	276	179532	2.950	ng	# 87

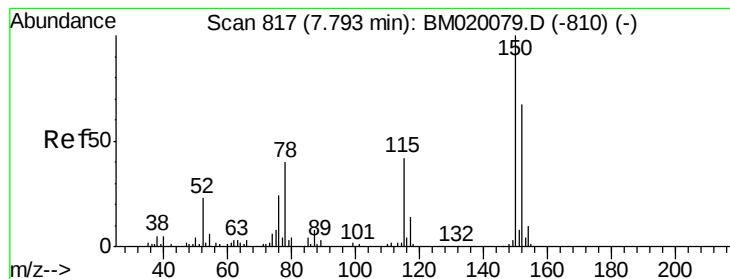
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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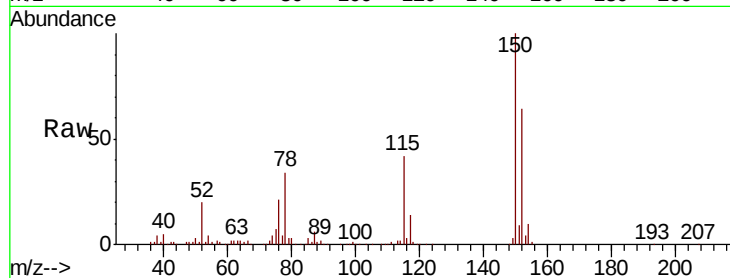


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	119.8	179.8
115	65.0	50.8	76.2

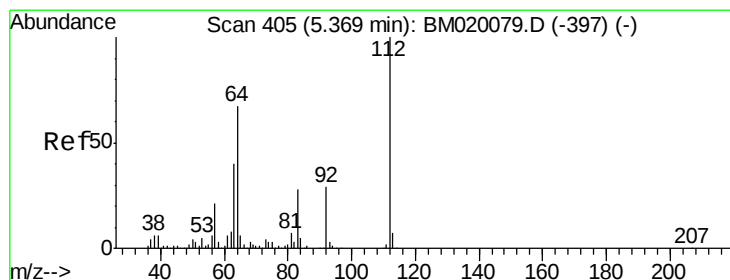
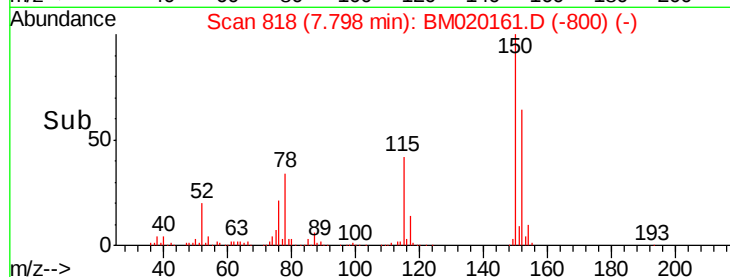
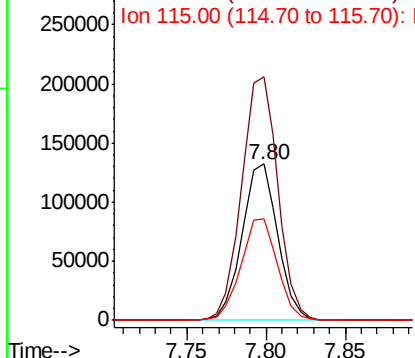


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

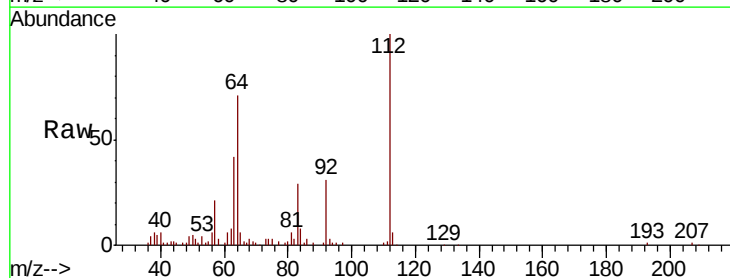
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.208 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	53.8	80.6
63	42.1	32.3	48.5

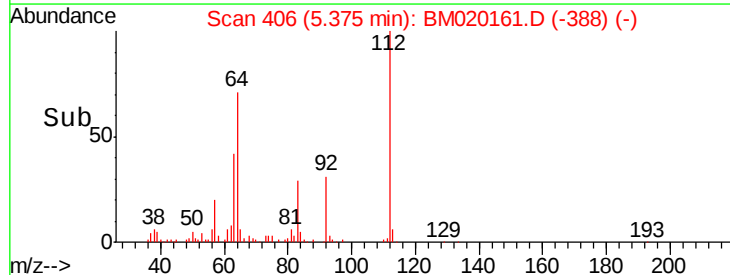
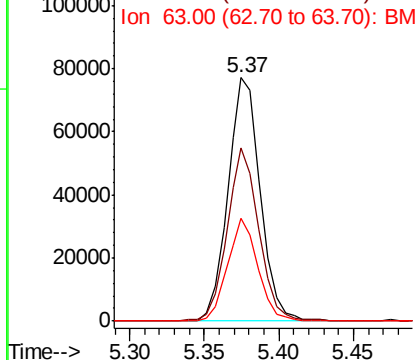


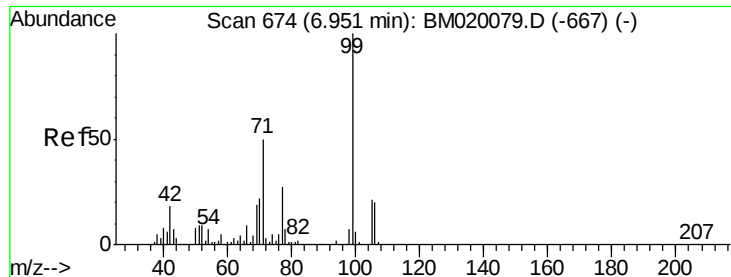
Abundance

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: 9.950 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampled :

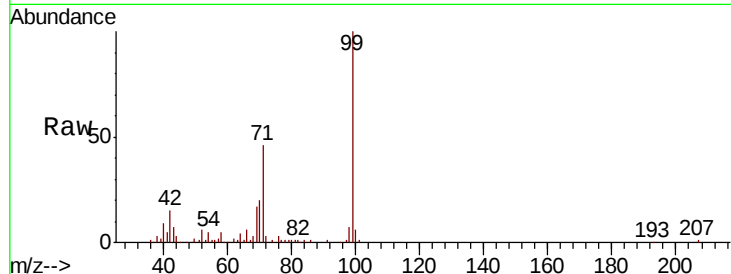
Tot Ion: 99 Resp: 171847

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

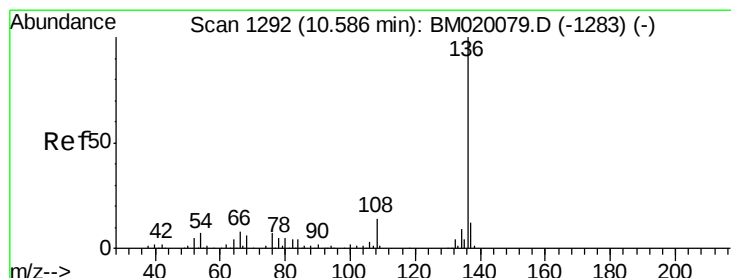
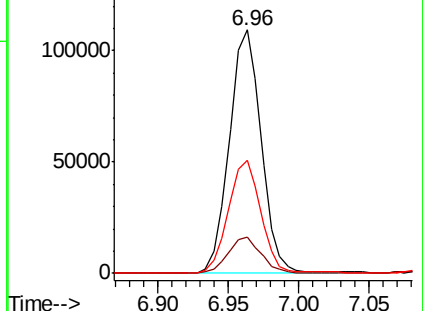
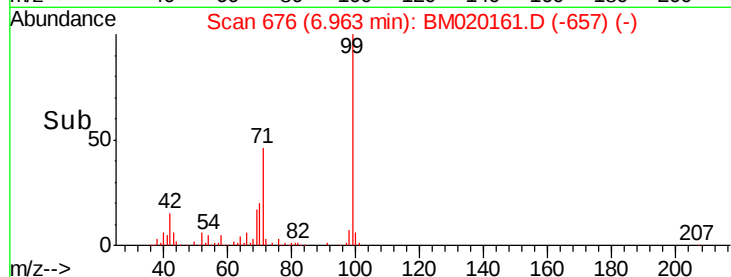
71 46.3 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion: 136 Resp: 781023

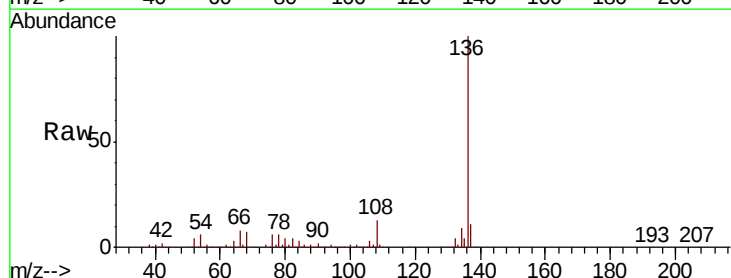
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 6.3 5.5 8.3

68 6.7 4.6 6.8

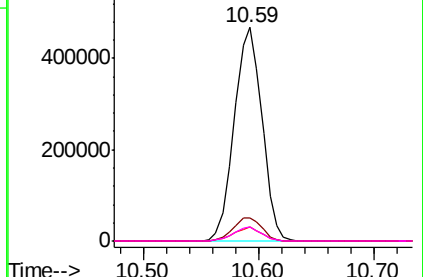
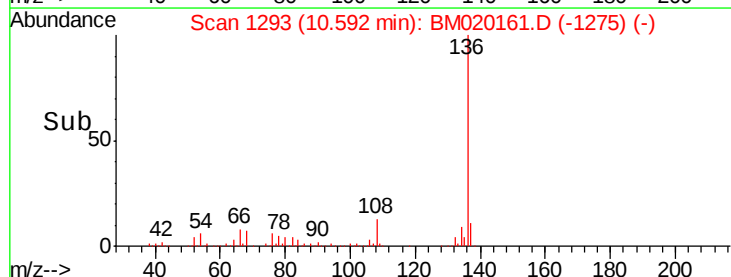


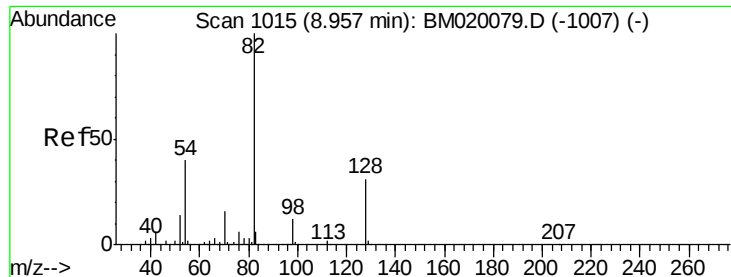
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

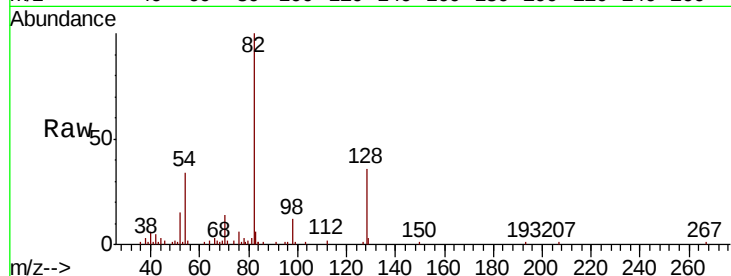




#23
 Nitrobenzene-d5
 Concen: 5.052 ng
 RT: 8.96 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	82	Resp	99943
Ion Ratio	Lower	Upper	
82	100		
128	35.8	25.2	37.8
54	33.9	31.9	47.9

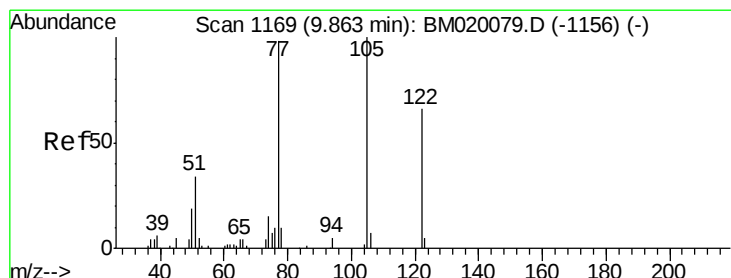
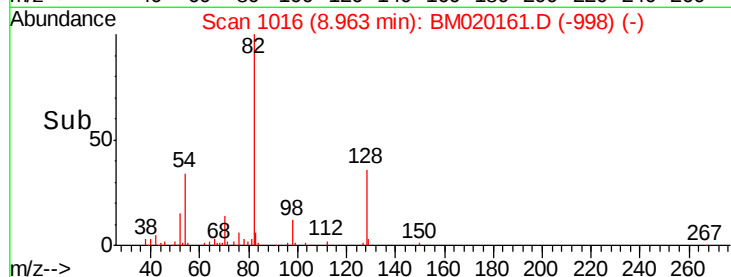
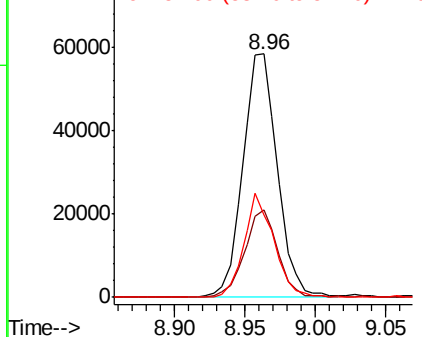


Abundance

Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

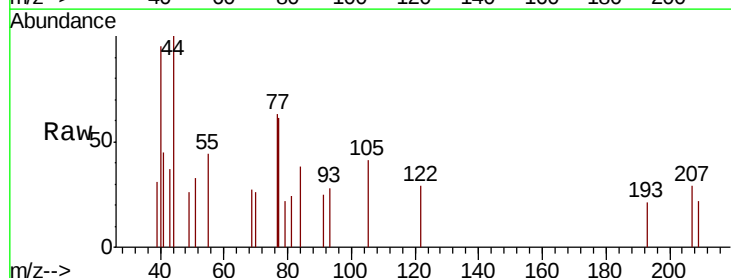
Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1007) (-)



#32
 Benzoic acid
 Concen: 6.628 ng
 RT: 9.86 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Tgt Ion	122	Resp	150
Ion Ratio	Lower	Upper	
122	100		
105	139.4	122.5	162.5
77	425.0	123.3	163.3#

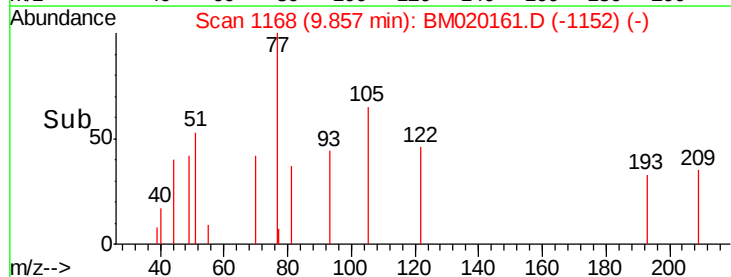
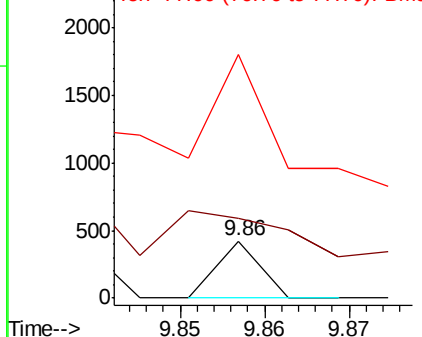


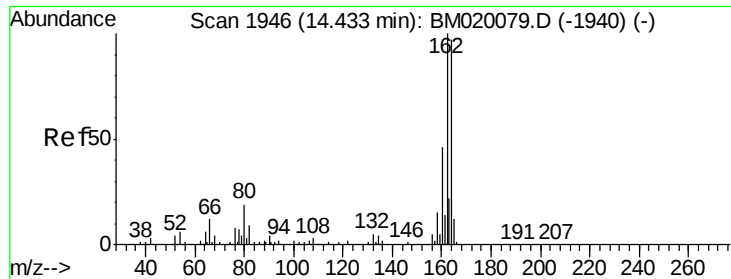
Abundance

Ion 122.00 (121.70 to 122.70): BM020079.D (-1156) (-)

Ion 105.00 (104.70 to 105.70): BM020079.D (-1156) (-)

Ion 77.00 (76.70 to 77.70): BM020079.D (-1156) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampleId :

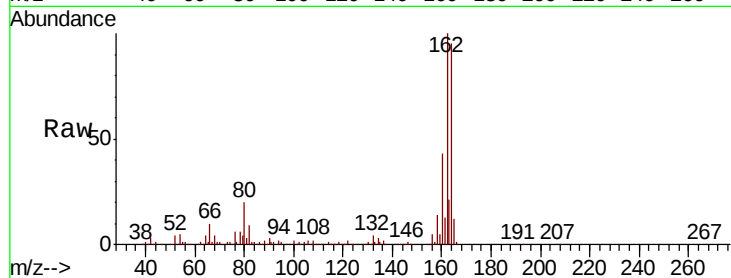
Tot Ion:164 Resp: 416539

Ion Ratio Lower Upper

164 100

162 105.4 82.2 123.2

160 45.0 37.6 56.4

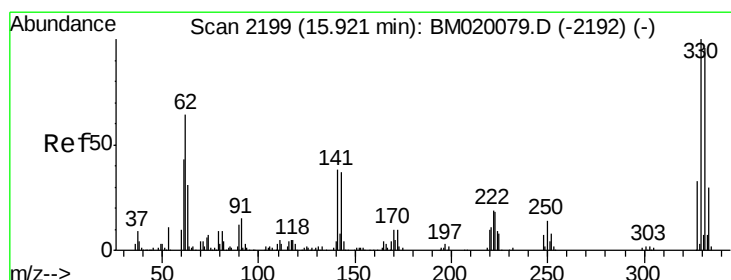
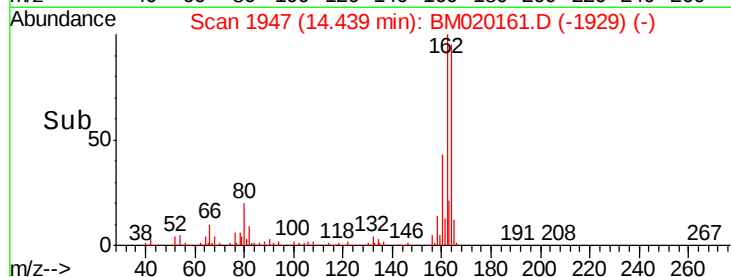
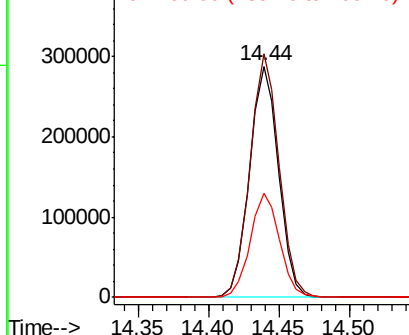


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 7.986 ng

RT: 15.93 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

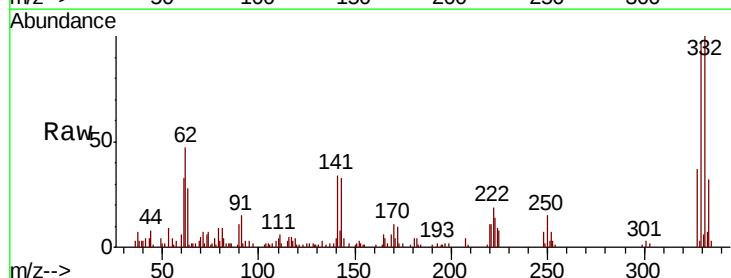
Tgt Ion:330 Resp: 51633

Ion Ratio Lower Upper

330 100

332 97.2 76.8 115.2

141 36.0 29.2 43.8

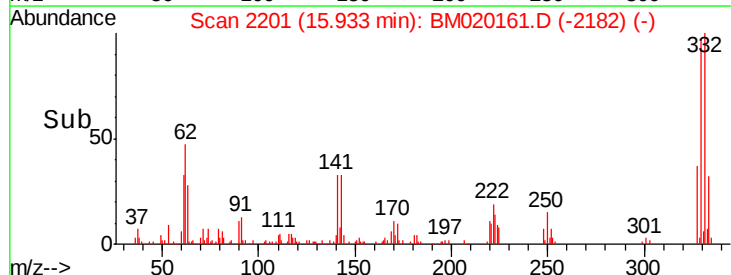
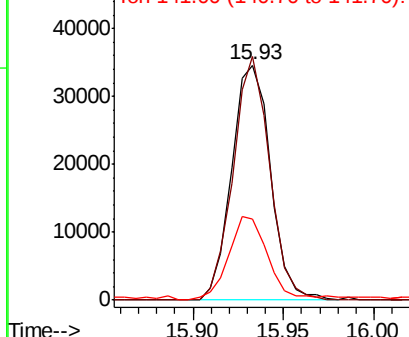


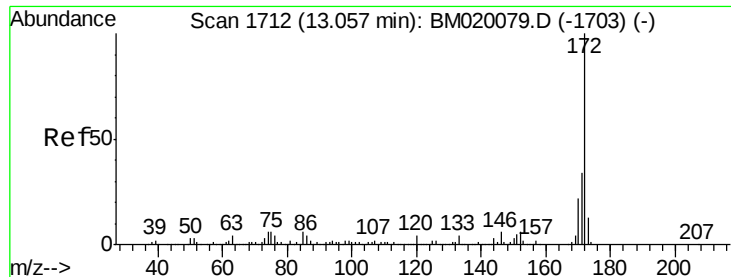
Abundance

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

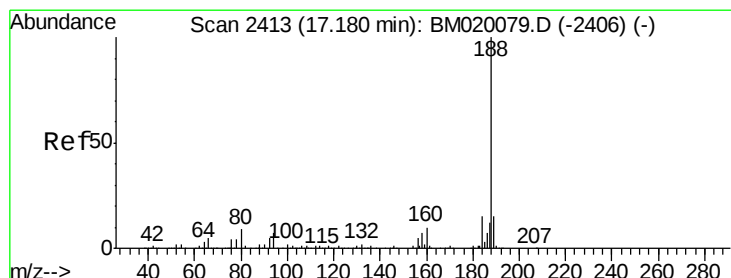
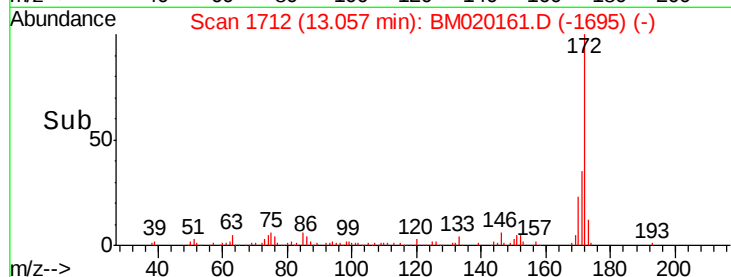
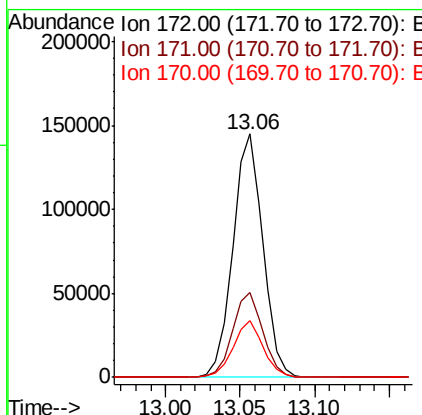
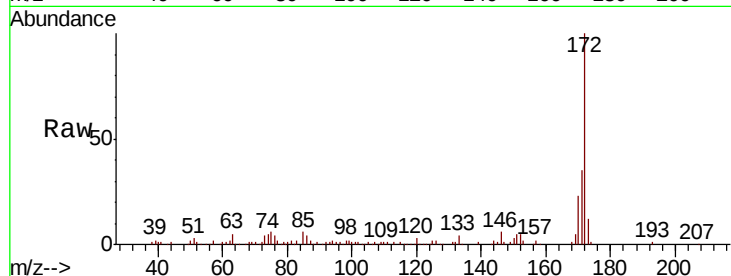




#45
 2-Fluorobiphenyl
 Concen: 5.987 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

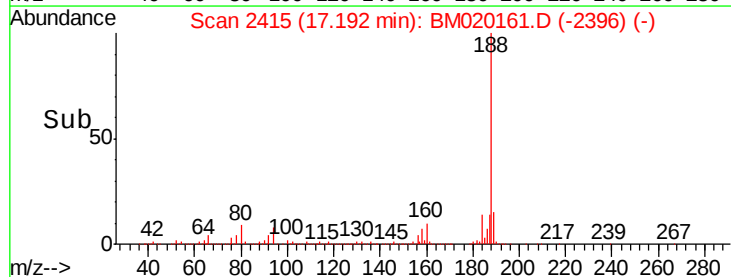
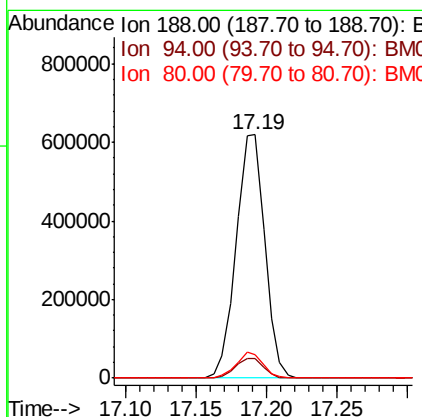
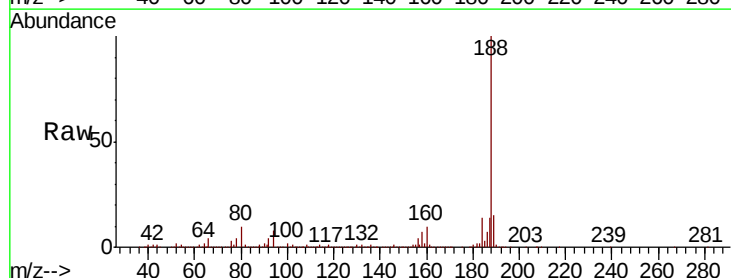
Instrument :
 BNA_M
 ClientSampleId :

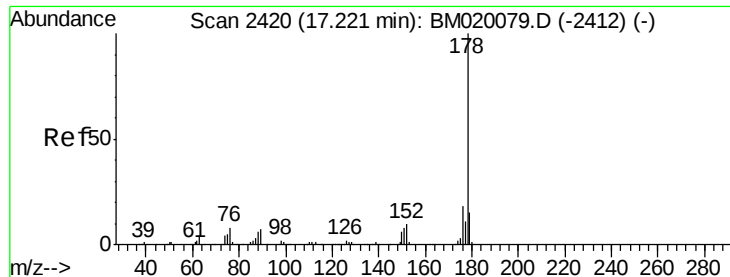
Tot Ion:172	Resp:	202678
Ion	Ratio	Lower Upper
172	100	
171	34.8	27.3 40.9
170	23.3	17.9 26.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.19 min Scan# 2415
 Delta R.T. 0.01 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Tgt Ion:188	Resp:	880217
Ion	Ratio	Lower Upper
188	100	
94	7.8	5.8 8.6
80	9.5	7.4 11.2

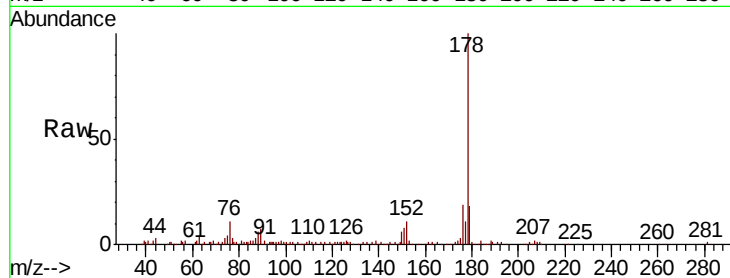




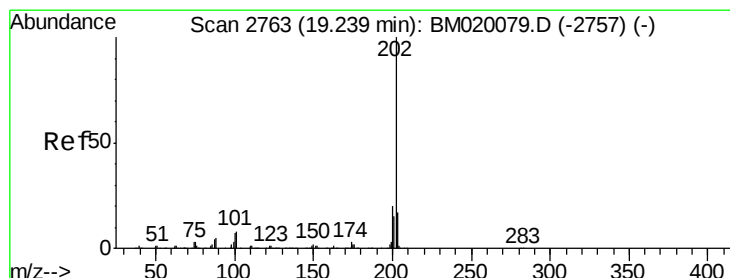
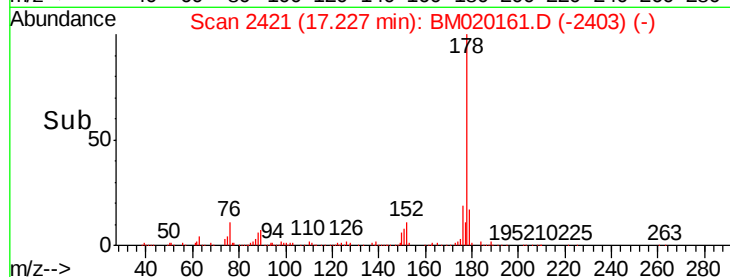
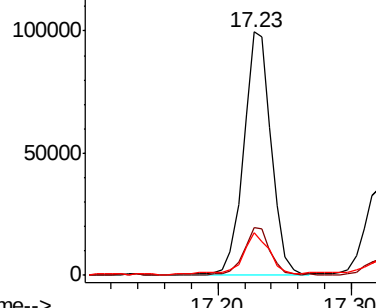
#71
Phenanthrene
Concen: 2.962 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:178 Resp: 143934
Ion Ratio Lower Upper
178 100
176 19.5 14.6 21.8
179 17.5 12.4 18.6

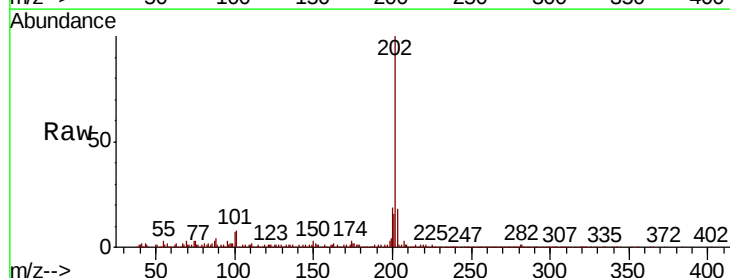


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

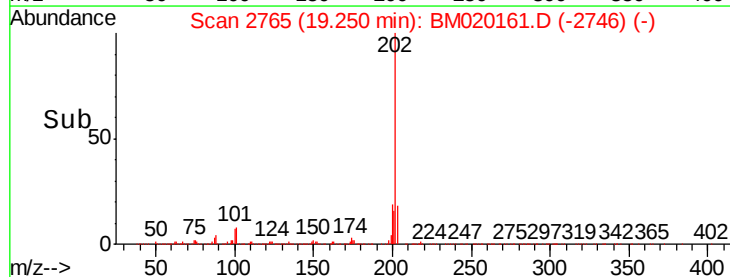
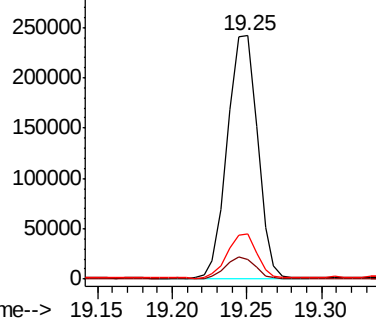


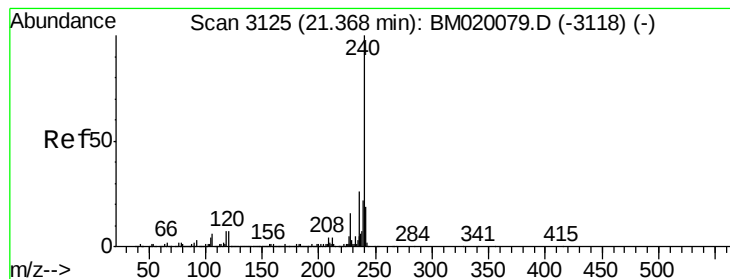
#75
Fluoranthene
Concen: 5.477 ng
RT: 19.25 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion:202 Resp: 336717
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.4
203 18.5 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: 21.37 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampleId :

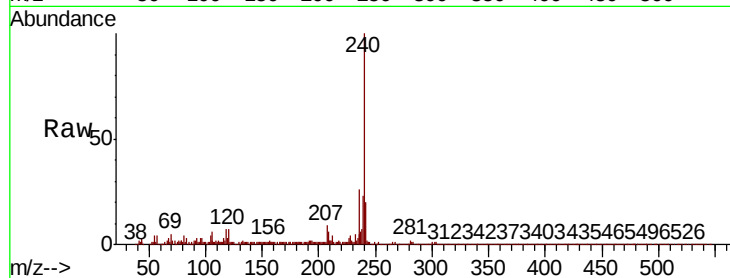
Tot Ion:240 Resp: 859188

Ion Ratio Lower Upper

240 100

120 7.4 5.6 8.4

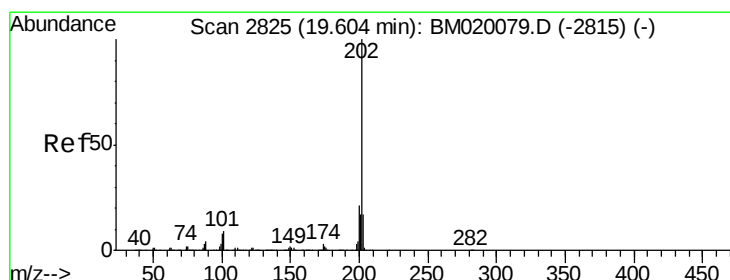
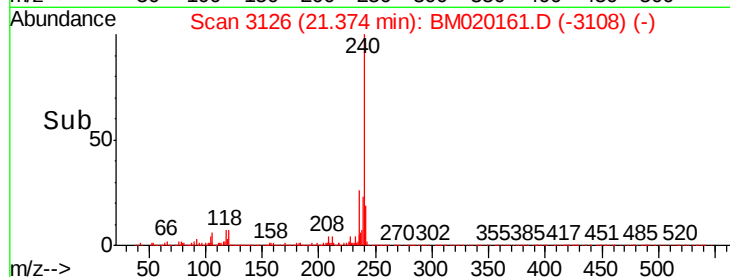
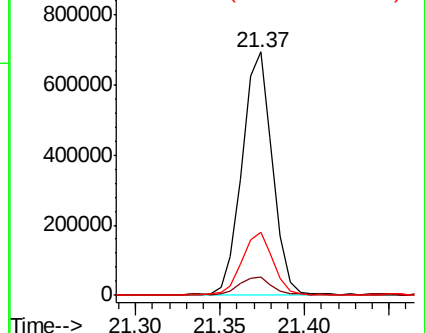
236 26.0 20.9 31.3



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

Pyrene

Concen: 5.499 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

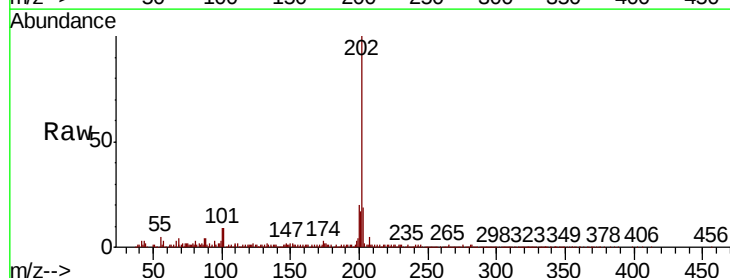
Tgt Ion:202 Resp: 317226

Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

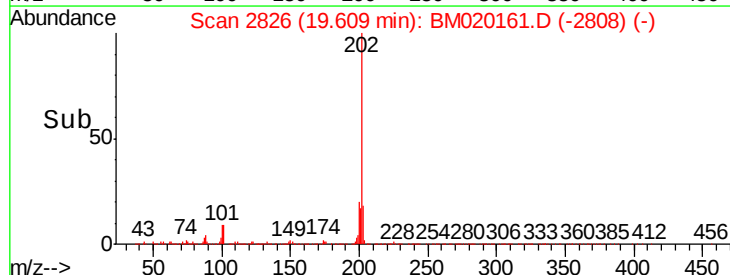
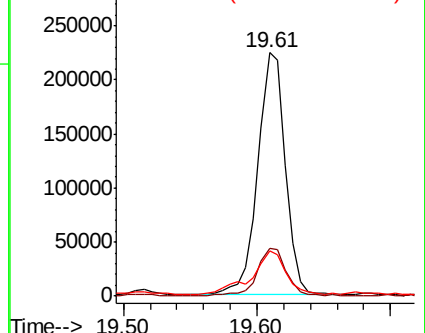
203 18.8 13.9 20.9

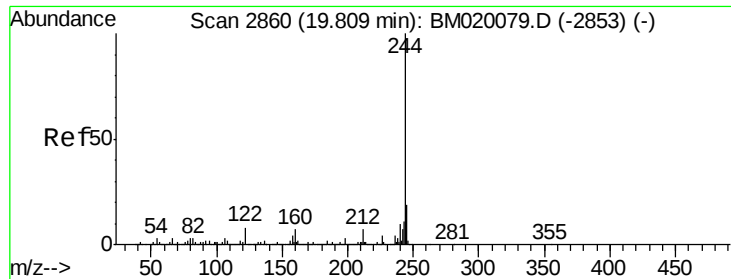


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 5.277 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampleId :

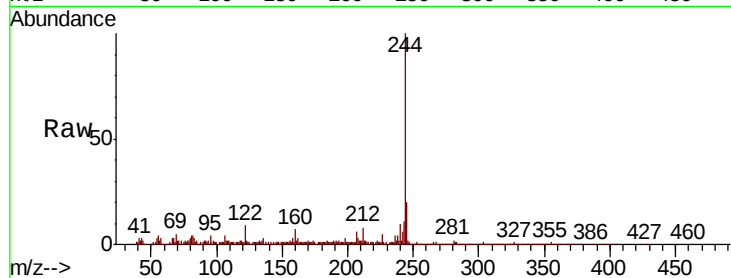
Tot Ion:244 Resp: 259927

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

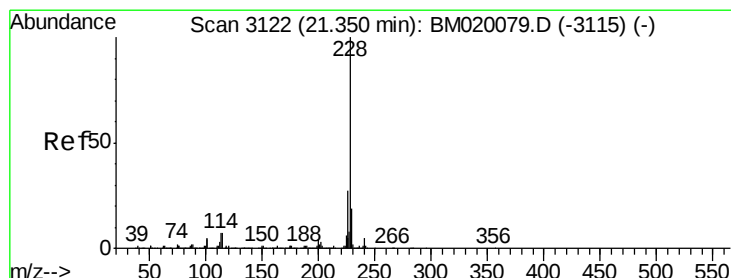
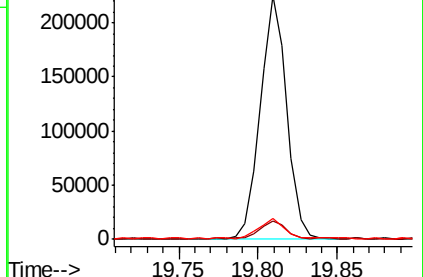
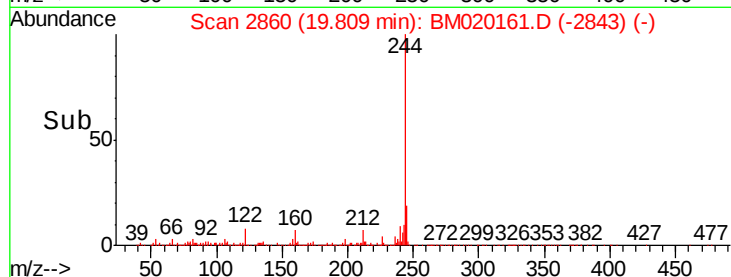
122 8.6 6.2 9.2



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: 2.826 ng

RT: 21.41 min Scan# 3132

Delta R.T. 0.06 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

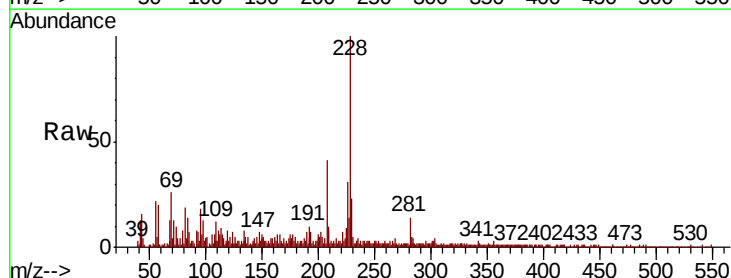
Tgt Ion:228 Resp: 170266

Ion Ratio Lower Upper

228 100

226 31.5 21.3 31.9

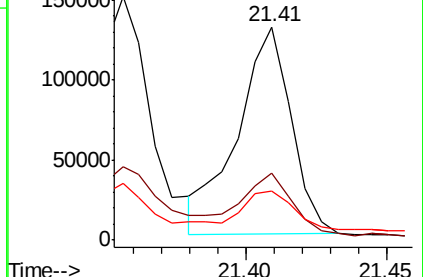
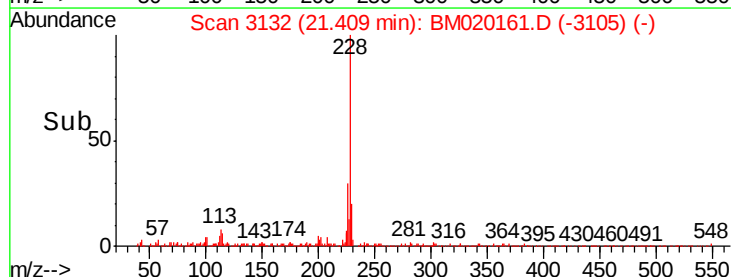
229 23.0 15.5 23.3

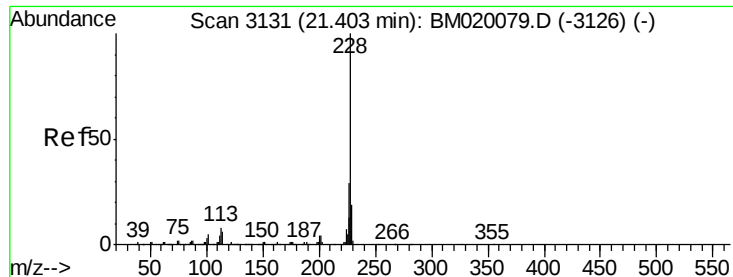


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

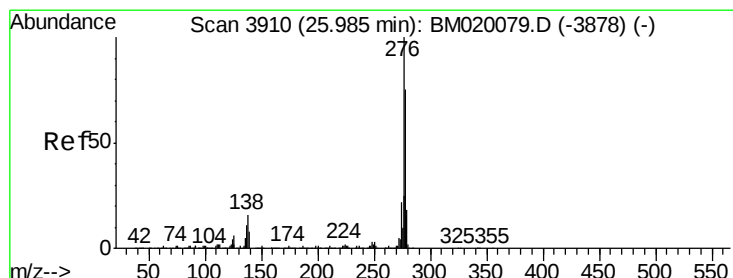
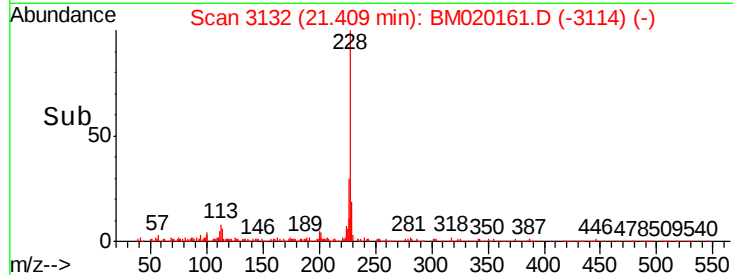
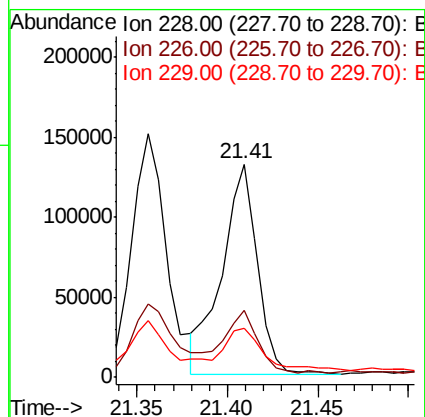
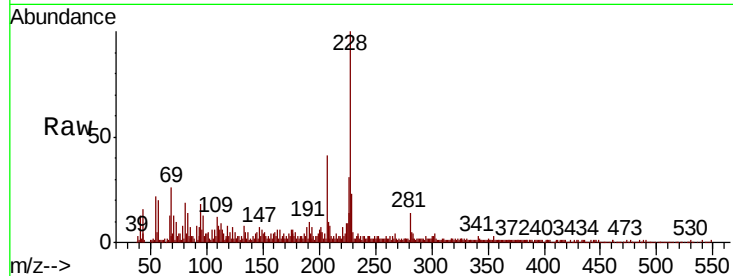




#83
Chrysene
Concen: 3.053 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

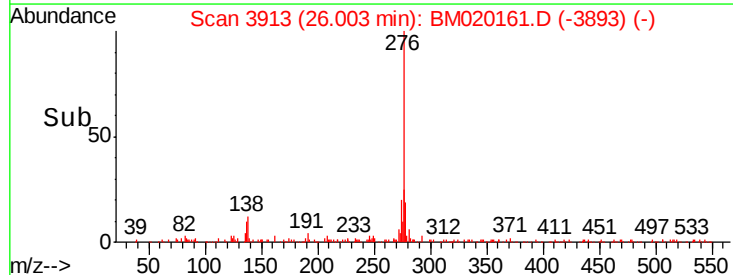
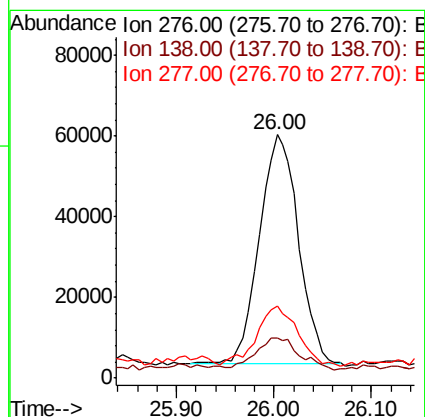
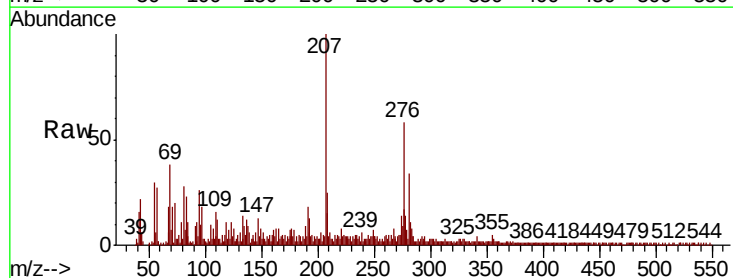
Instrument :
BNA_M
ClientSampleId :

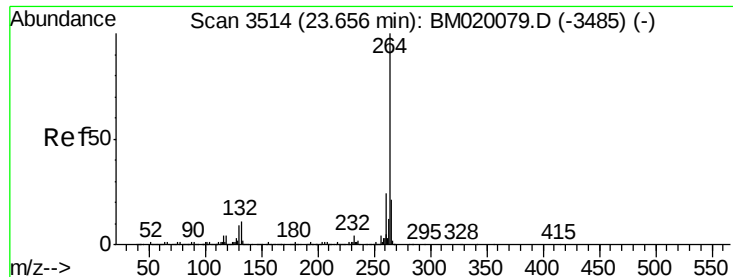
Tot Ion:228 Resp: 178392
Ion Ratio Lower Upper
228 100
226 31.5 23.0 34.6
229 23.0 15.5 23.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.275 ng
RT: 26.00 min Scan# 3913
Delta R.T. 0.02 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion:276 Resp: 158130
Ion Ratio Lower Upper
276 100
138 15.8 0.0 0.0#
277 28.0 0.0 0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

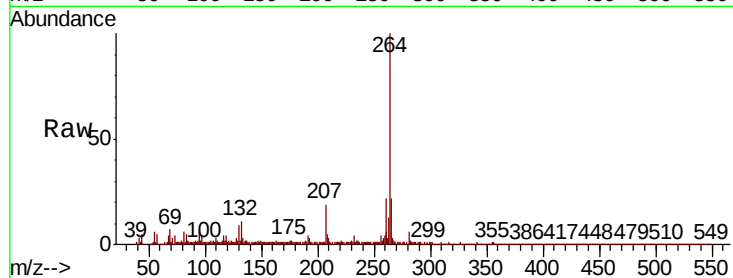
Instrument :

BNA_M

ClientSampled :

Tot Ion:264 Resp: 1027720

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.1	16.9	25.3

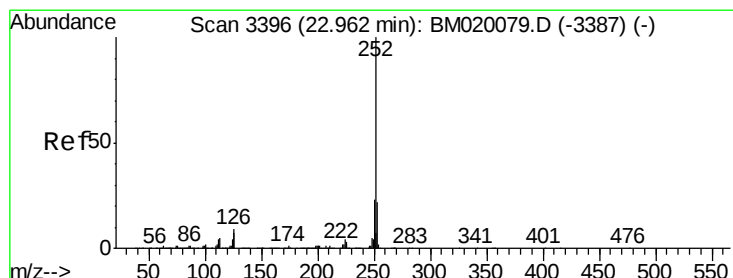
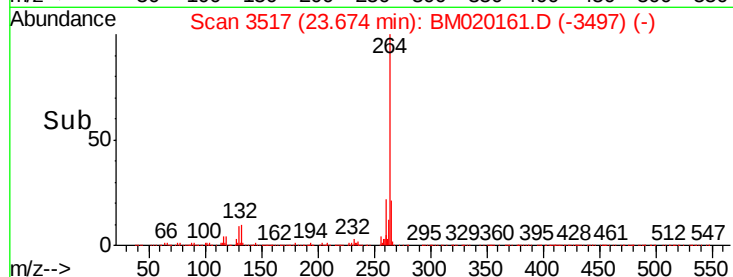
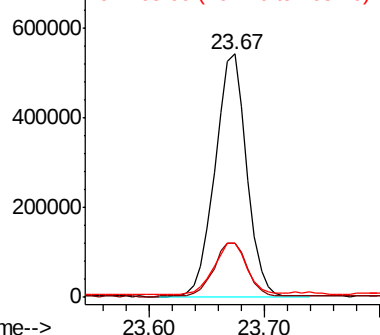


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.805 ng

RT: 22.97 min Scan# 3398

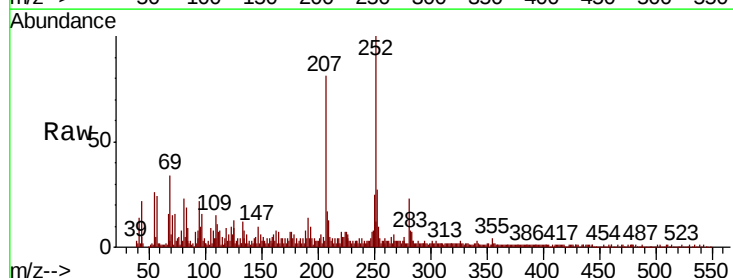
Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion:252 Resp: 393926

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	12.6	5.4	8.2#

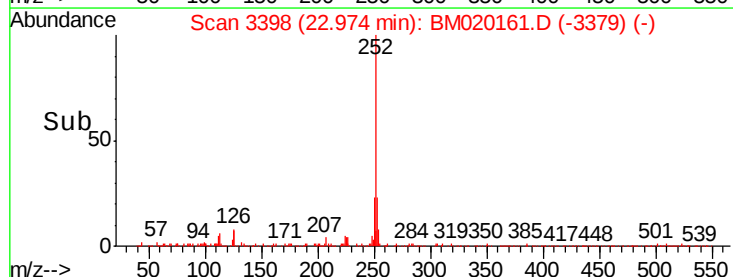
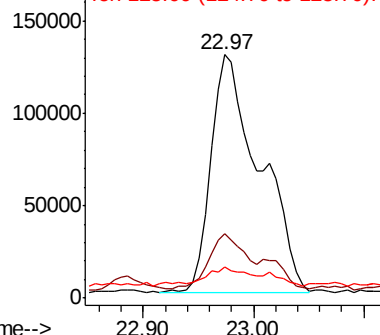


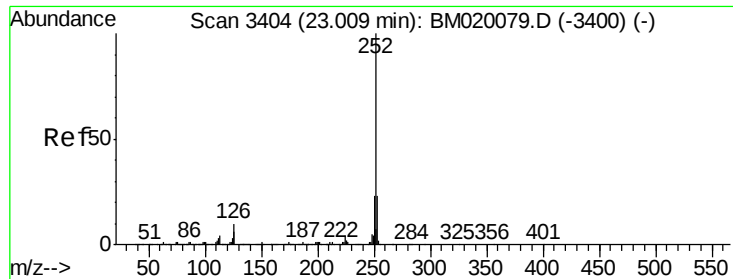
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.379 ng

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020161.D

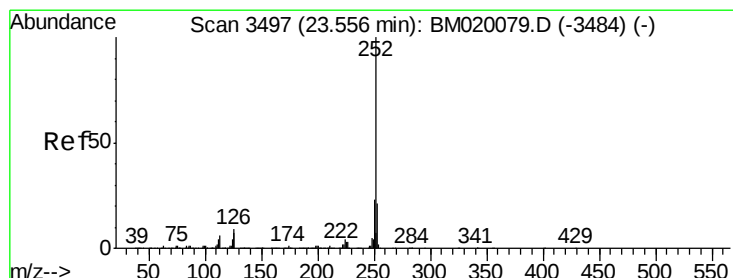
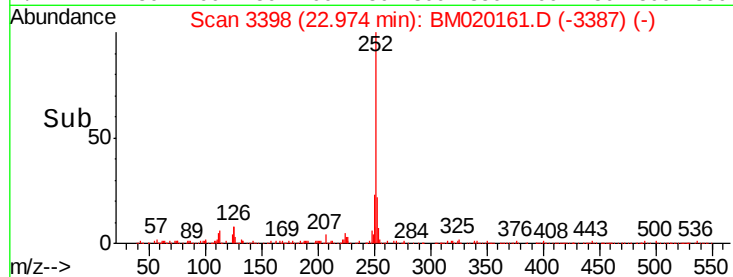
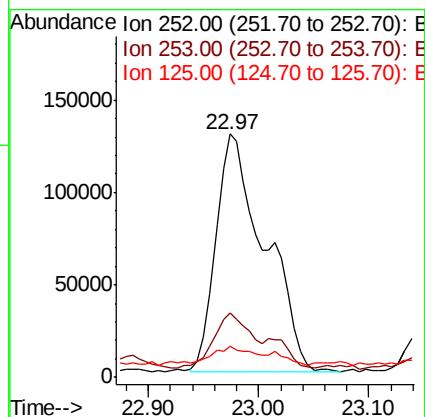
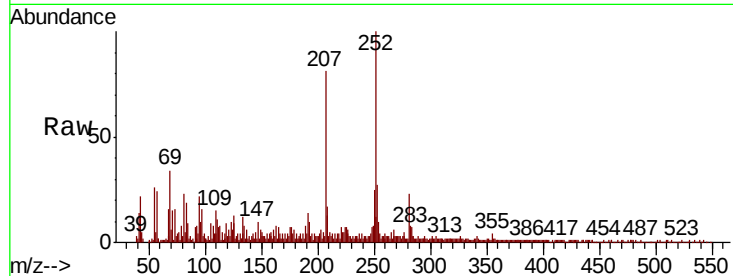
Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	394923
Ion Ratio	Lower	Upper
252	100	
253	26.5	17.8 26.8
125	12.6	5.4 8.0#



#90

Benzo(a)pyrene

Concen: 3.601 ng

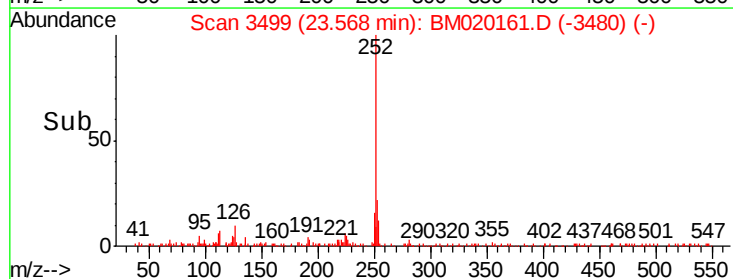
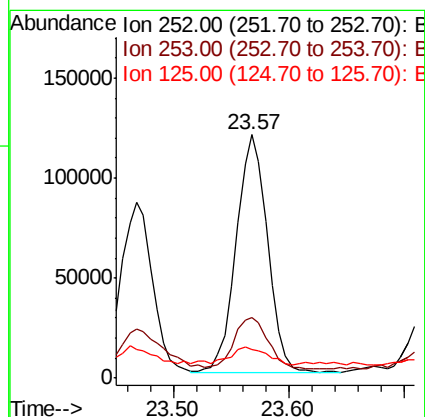
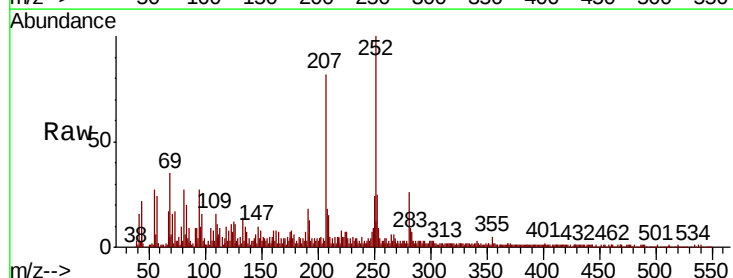
RT: 23.57 min Scan# 3499

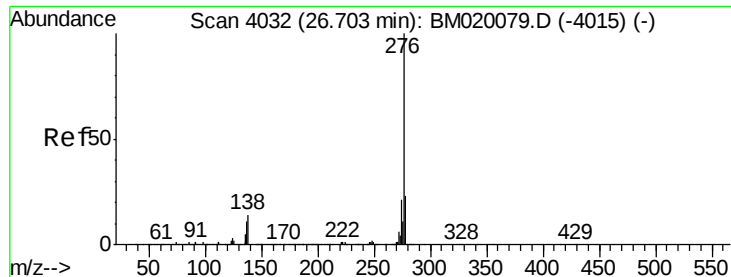
Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion:252	Resp:	221999
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.0 25.6
125	11.8	5.5 8.3#





#92

Benzo(a,h,i)perylene

Concen: 2.950 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 179532

Ion Ratio Lower Upper

276 100

277 29.8 18.4 27.6#

138 18.4 11.1 16.7#

