

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020136.D
 Acq On : 06 May 2019 15:24
 Operator : JU/SJ
 Sample : K2642-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-050219

Quant Time: May 07 03:30:53 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	7.79	152	135887	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	507674	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	306712	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	728473	20.00	ng	0.00
76) Chrysene-d12	21.37	240	741485	20.00	ng	0.00
87) Perylene-d12	23.66	264	884310	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	383445	46.12	ng	0.00
7) Phenol-d6	6.95	99	549271	48.36	ng	0.00
23) Nitrobenzene-d5	8.95	82	372056	28.93	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	234388	49.23	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	795151	31.90	ng	0.00
79) Terphenyl-d14	19.81	244	1289480	30.33	ng	0.00

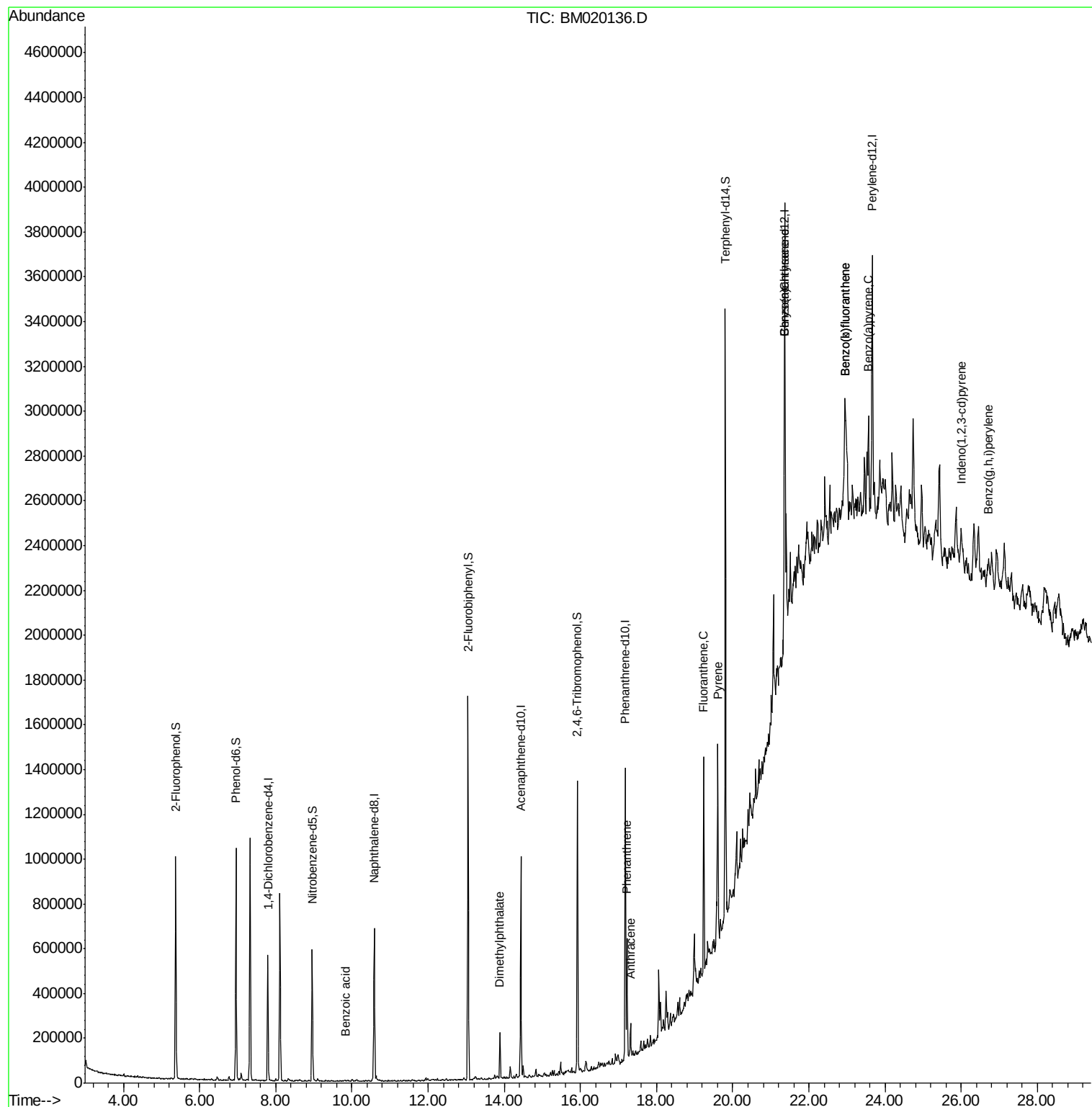
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.82	122	489	6.699	ng	# 69
50) Dimethylphthalate	13.89	163	105144	4.033	ng	# 96
71) Phenanthrene	17.22	178	293847	7.307	ng	99
72) Anthracene	17.32	178	98260	2.444	ng	99
75) Fluoranthene	19.24	202	551196	10.834	ng	99
78) Pyrene	19.60	202	514527	10.335	ng	99
81) Benzo(a)anthracene	21.35	228	284292	5.467	ng	95
83) Chrysene	21.35	228	274690	5.447	ng	96
86) Indeno(1,2,3-cd)pyrene	26.00	276	171019	2.851	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	453588	7.768	ng	# 84
89) Benzo(k)fluoranthene	22.97	252	450314	8.454	ng	# 84
90) Benzo(a)pyrene	23.56	252	256056	4.827	ng	# 82
92) Benzo(g,h,i)perylene	26.71	276	174561	3.333	ng	# 82

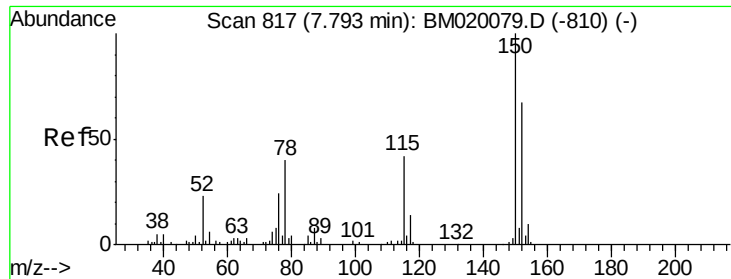
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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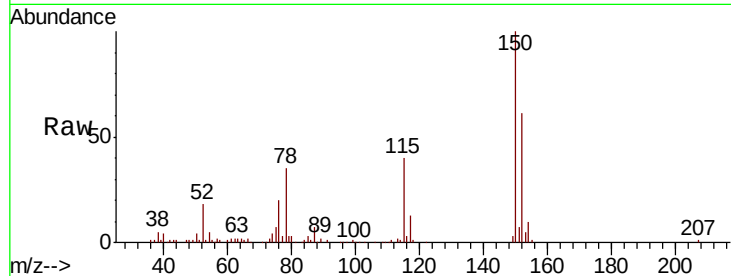


#1

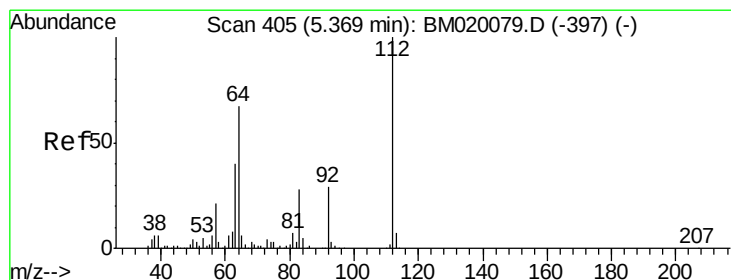
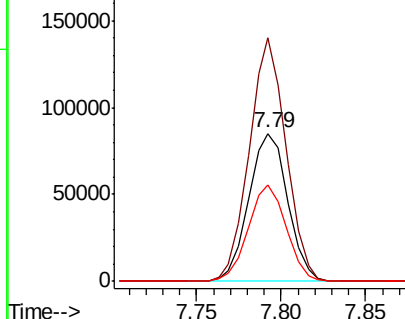
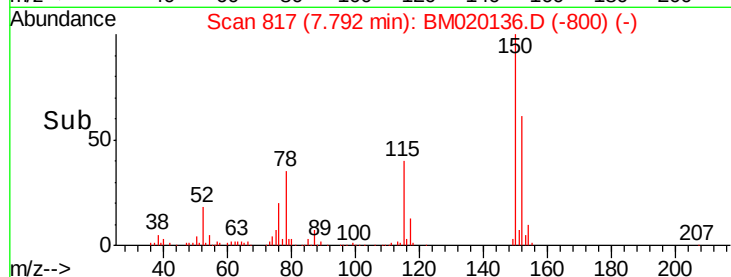
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020136.D
Acq: 06 May 2019 15:24

Instrument :
BNA_M
ClientSampleId :
OK-02-050219

Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.8	119.8	179.8
115	65.3	50.8	76.2



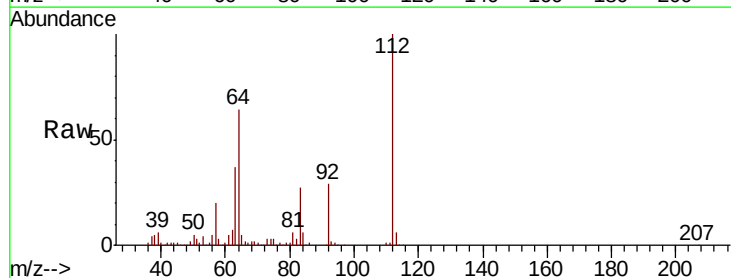
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



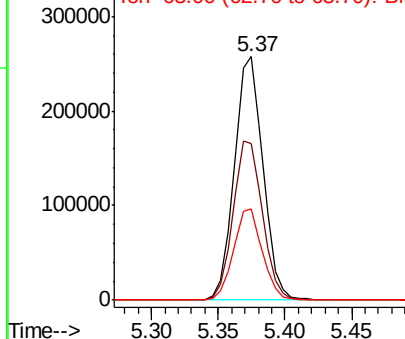
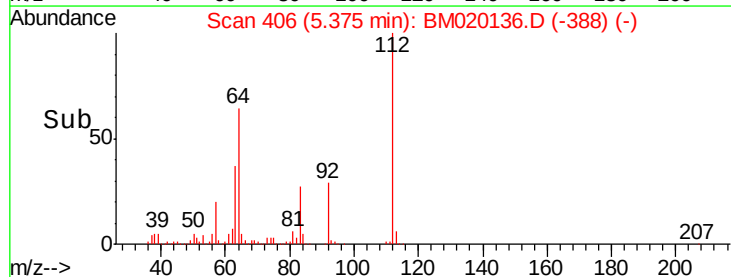
#5

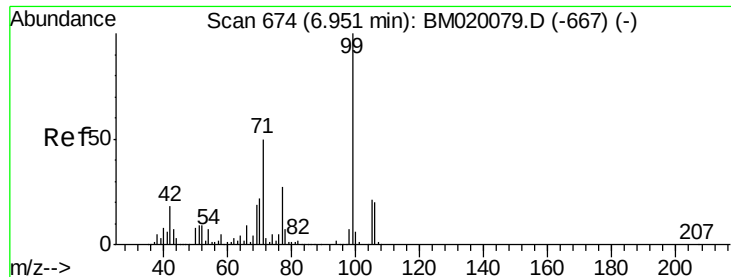
2-Fluorophenol
Concen: 46.125 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020136.D
Acq: 06 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	53.8	80.6
63	37.4	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: 48.364 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

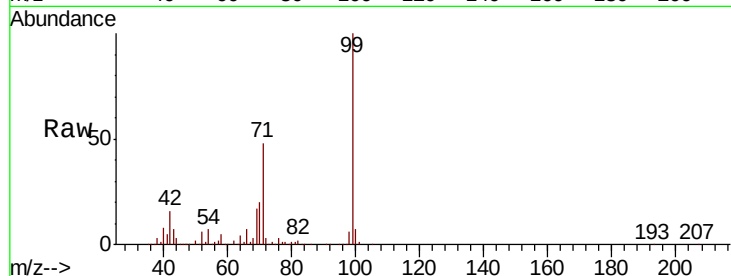
Tgt Ion: 99 Resp: 549271

Ion Ratio Lower Upper

99 100

42 15.8 14.2 21.2

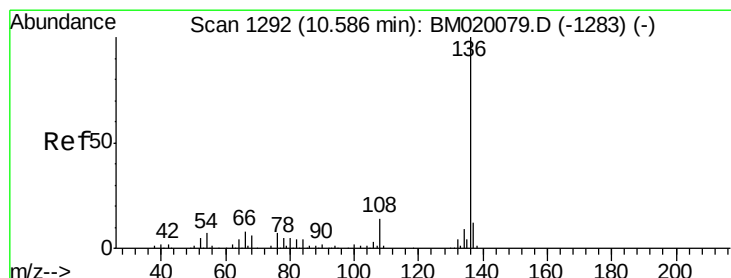
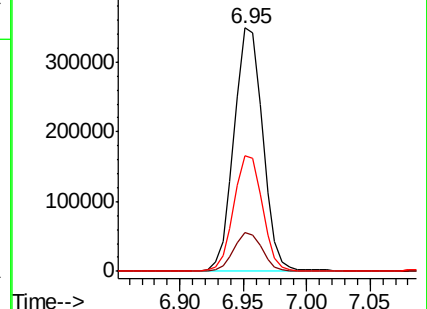
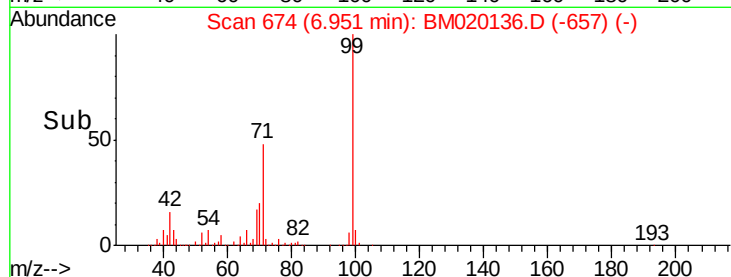
71 47.6 40.3 60.5



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# 1292

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Tgt Ion: 136 Resp: 507674

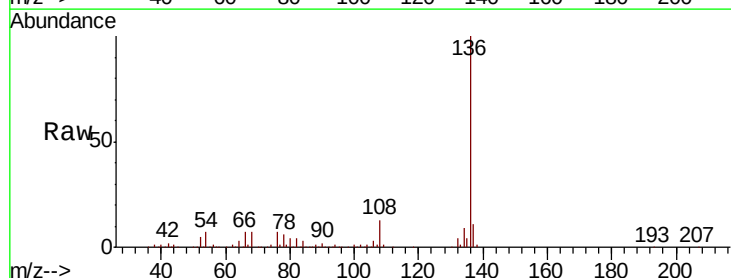
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 7.5 5.5 8.3

68 6.9 4.6 6.8#

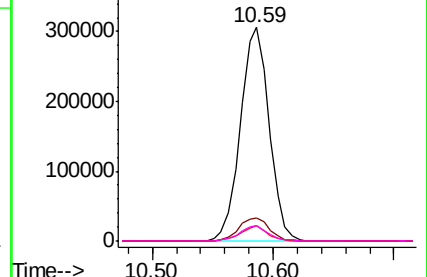
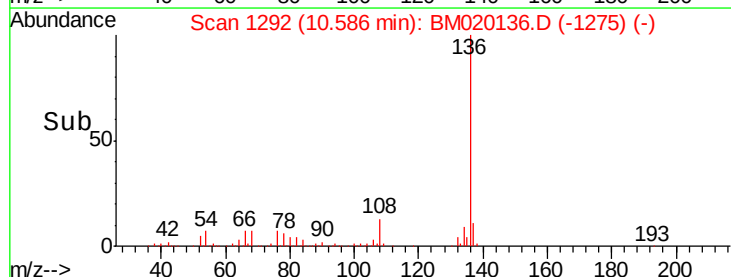


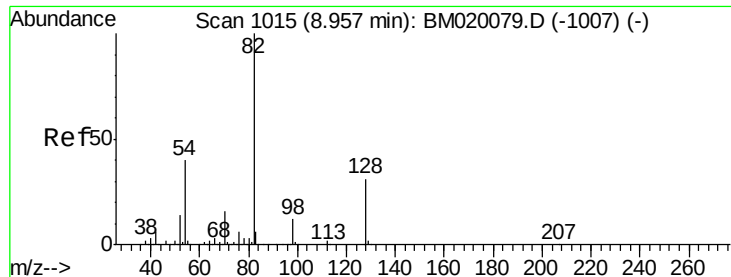
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

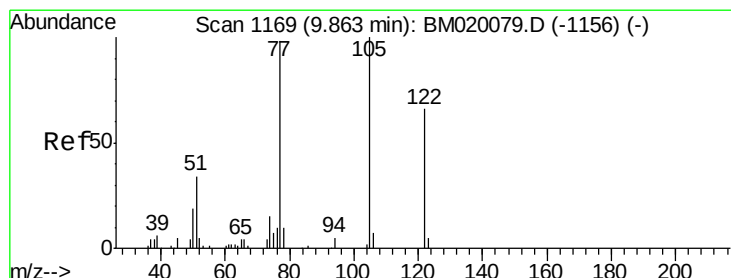
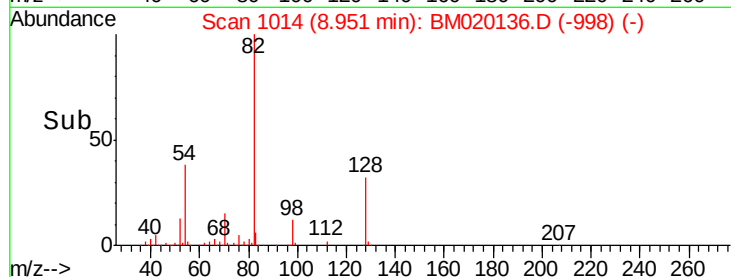
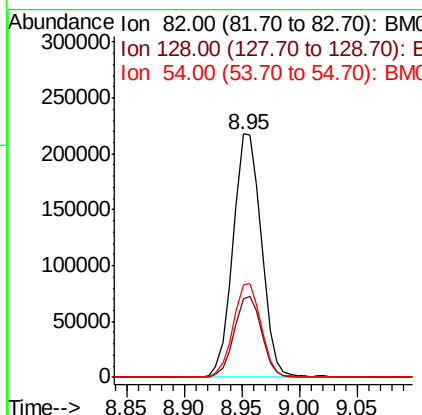
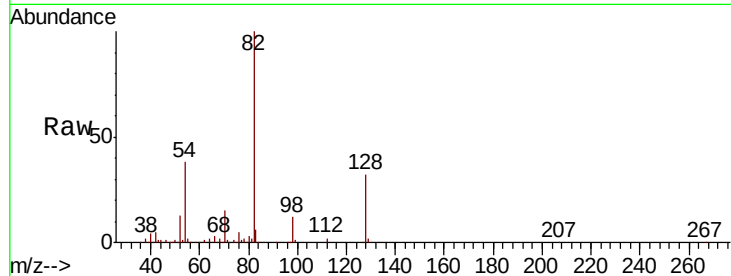




#23
 Nitrobenzene-d5
 Concen: 28.934 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020136.D
 Acq: 06 May 2019 15:24

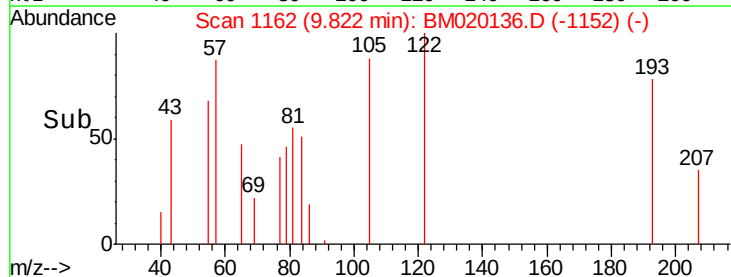
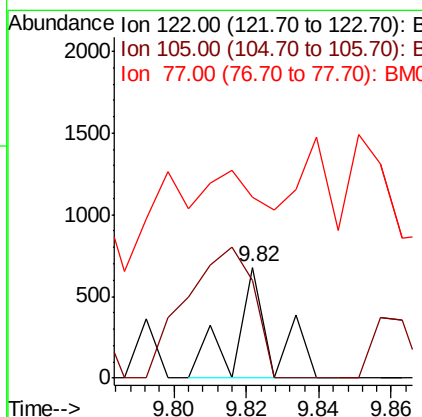
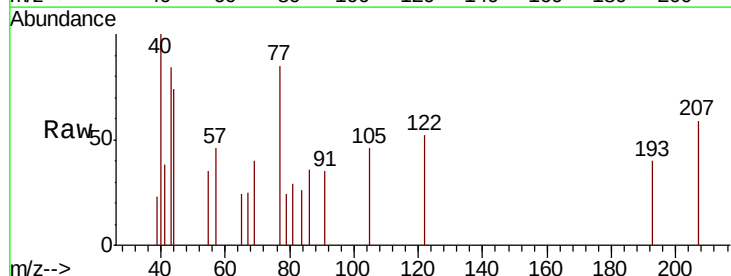
Instrument :
 BNA_M
 ClientSampleId :
 OK-02-050219

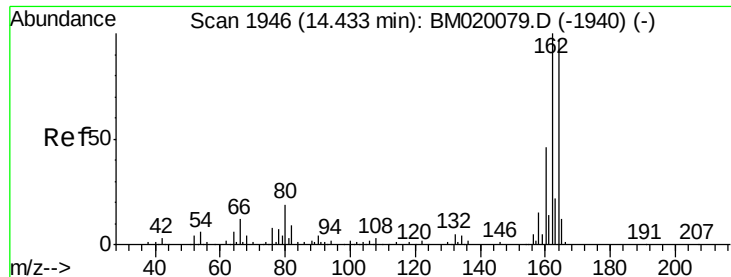
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.3	25.2	37.8
54	37.9	31.9	47.9



#32
 Benzoic acid
 Concen: 6.699 ng
 RT: 9.82 min Scan# 1162
 Delta R.T. -0.04 min
 Lab File: BM020136.D
 Acq: 06 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.0	122.5	162.5#
77	164.1	123.3	163.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

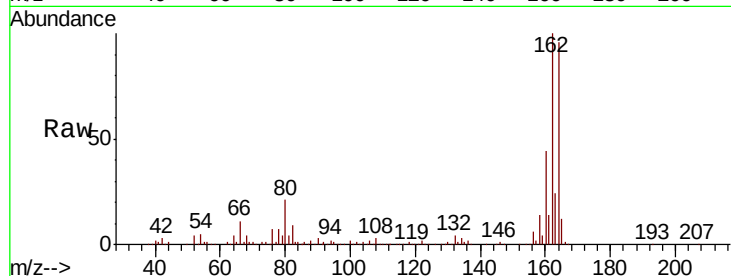
Tgt Ion:164 Resp: 306712

Ion Ratio Lower Upper

164 100

162 104.1 82.2 123.2

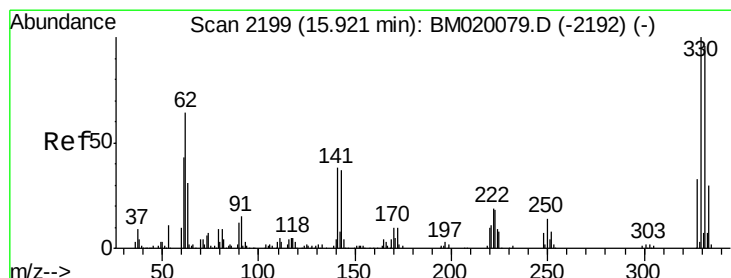
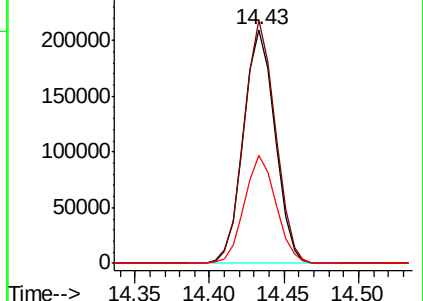
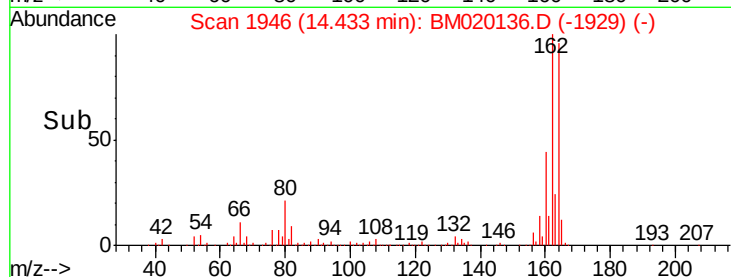
160 46.3 37.6 56.4



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: 49.233 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

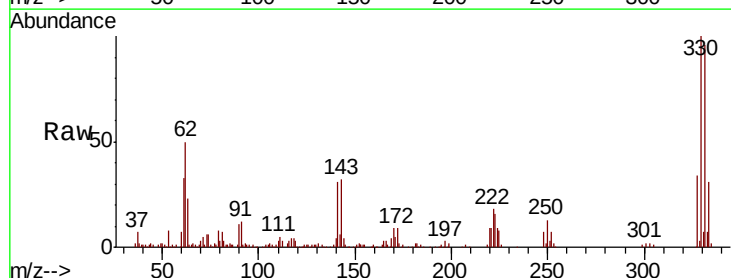
Tgt Ion:330 Resp: 234388

Ion Ratio Lower Upper

330 100

332 97.6 76.8 115.2

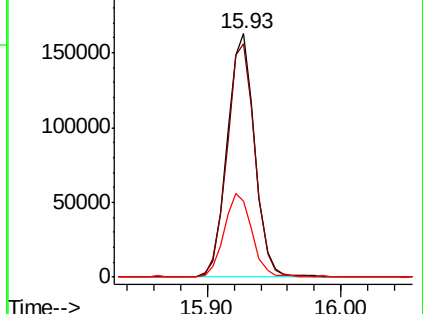
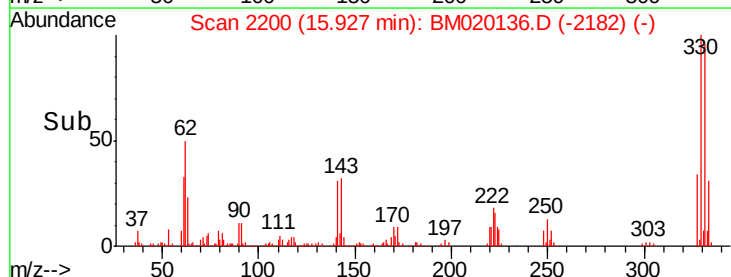
141 34.6 29.2 43.8

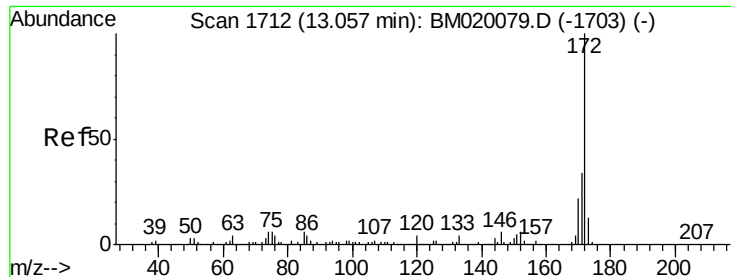


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

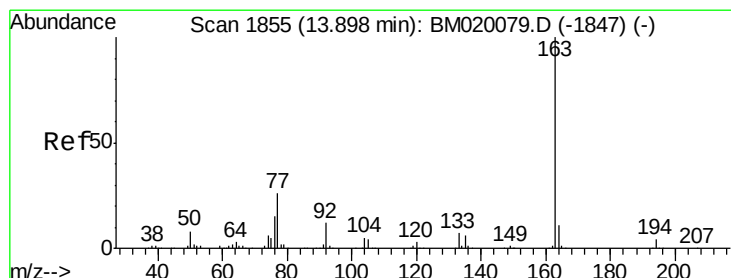
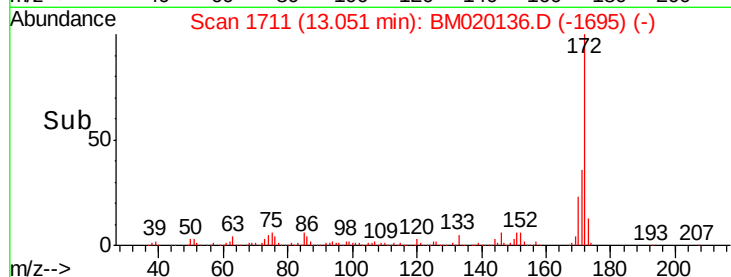
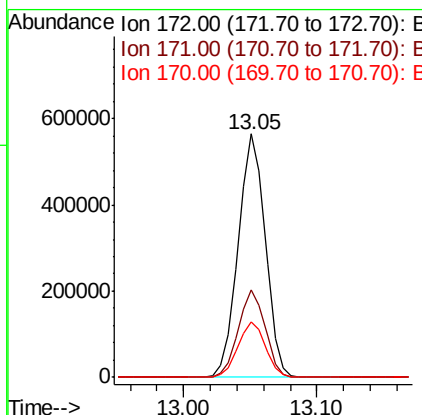
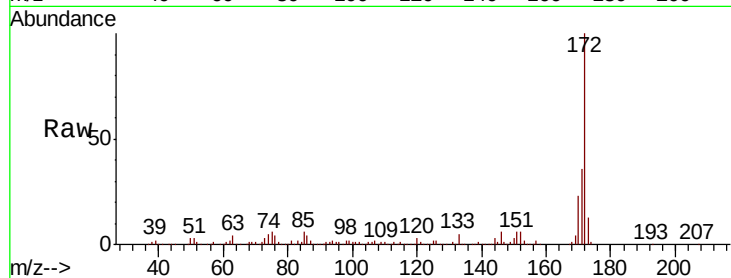




#45
 2-Fluorobiphenyl
 Concen: 31.897 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020136.D
 Acq: 06 May 2019 15:24

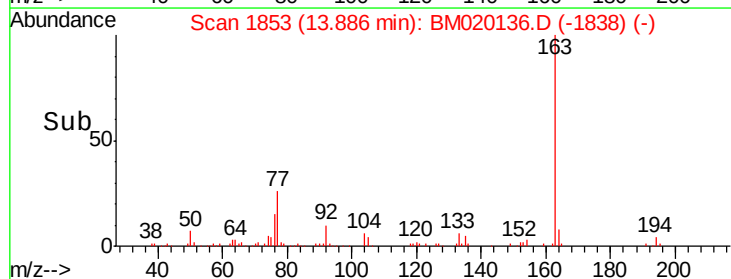
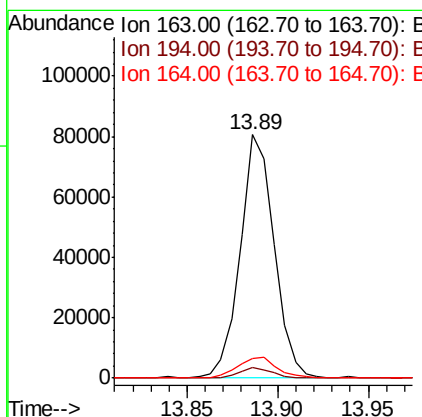
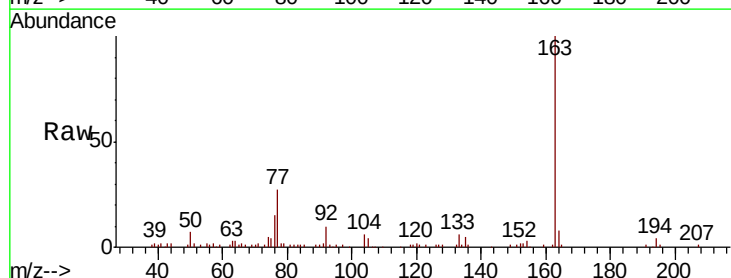
Instrument :
 BNA_M
 ClientSampleId :
 OK-02-050219

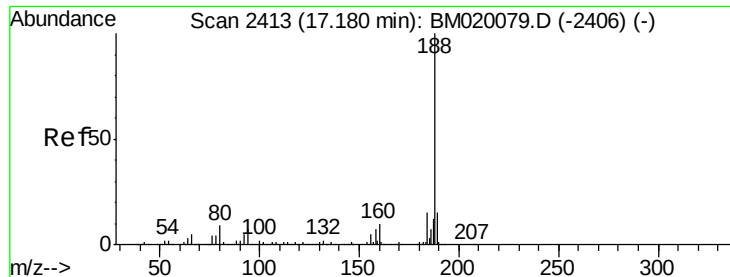
Tgt Ion:	172	Resp:	795151
Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.3	40.9
170	22.8	17.9	26.9



#50
 Dimethylphthalate
 Concen: 4.033 ng
 RT: 13.89 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BM020136.D
 Acq: 06 May 2019 15:24

Tgt Ion:	163	Resp:	105144
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	8.3	8.4	12.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

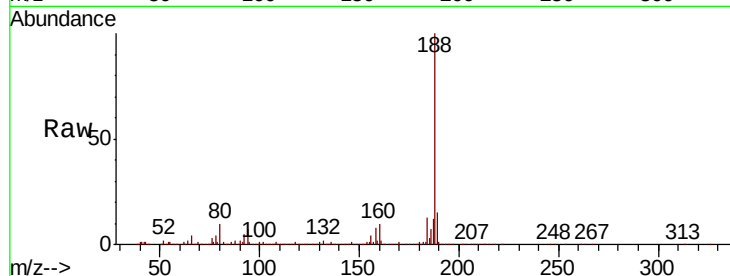
Tgt Ion:188 Resp: 728473

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

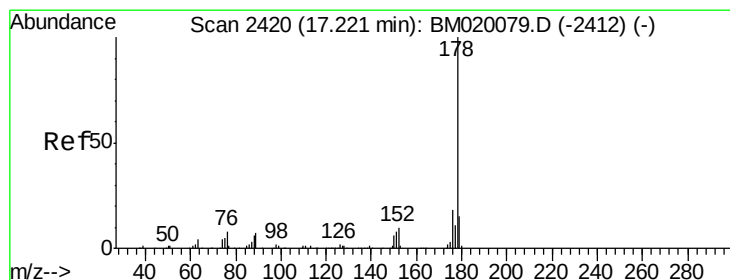
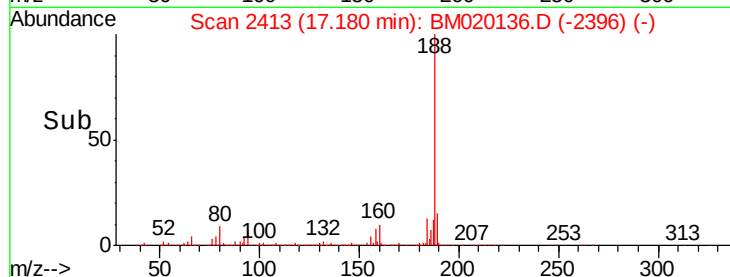
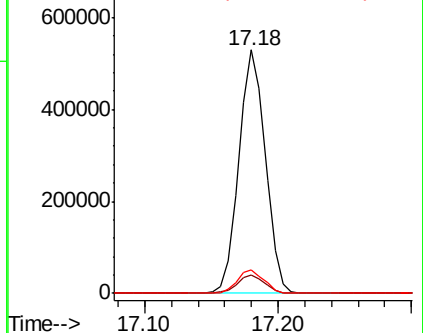
80 9.5 7.4 11.2



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: 7.307 ng

RT: 17.22 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

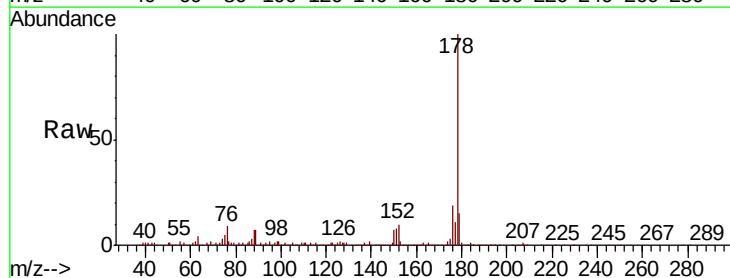
Tgt Ion:178 Resp: 293847

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

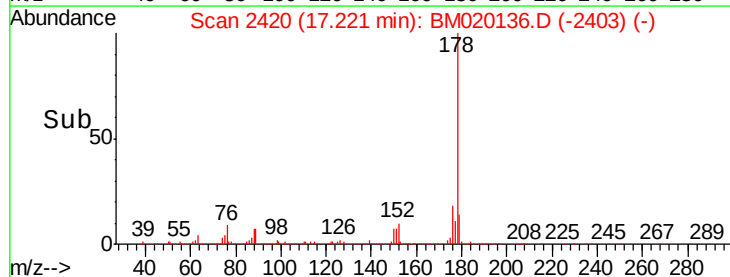
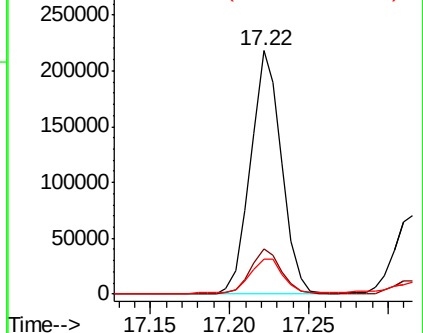
179 14.6 12.4 18.6

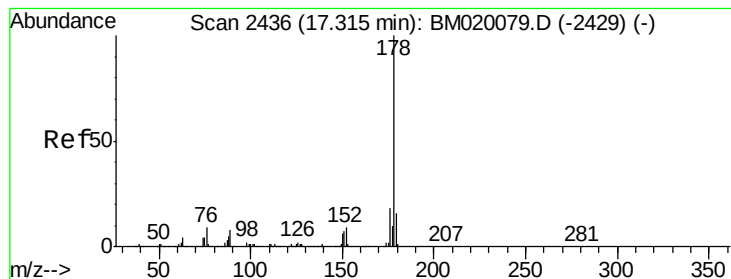


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.444 ng

RT: 17.32 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

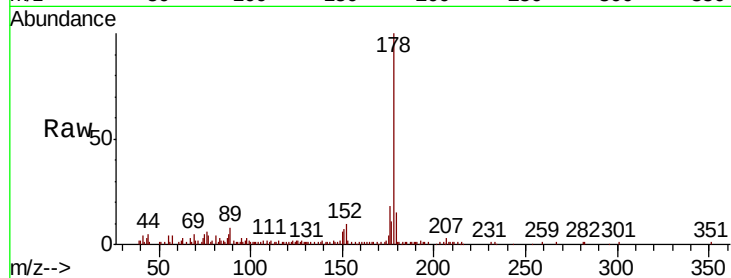
Tgt Ion:178 Resp: 98260

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

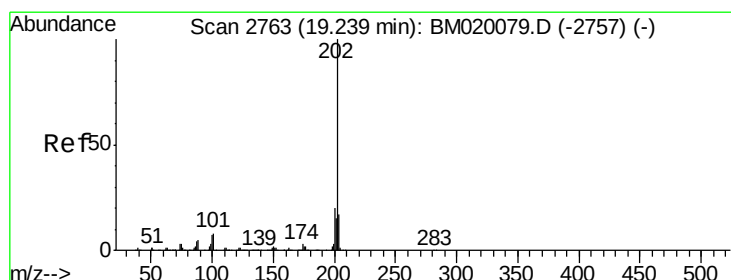
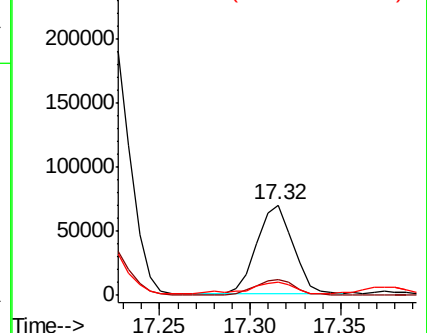
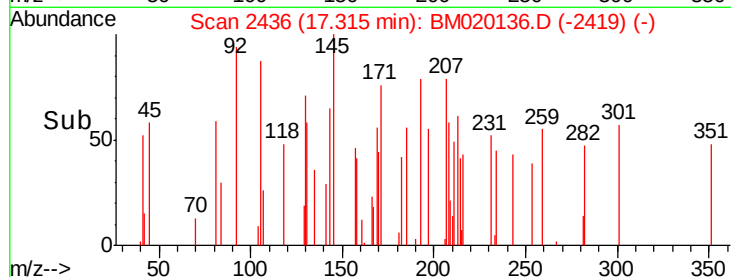
179 15.0 12.4 18.6



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: 10.834 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

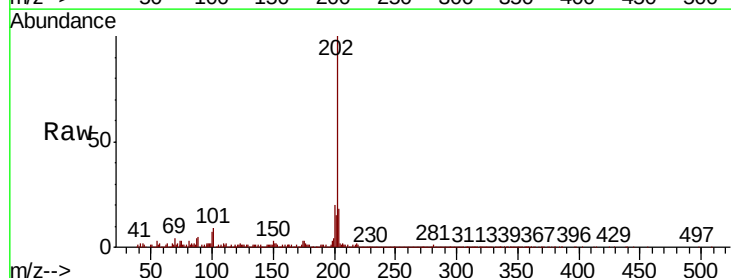
Tgt Ion:202 Resp: 551196

Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.4

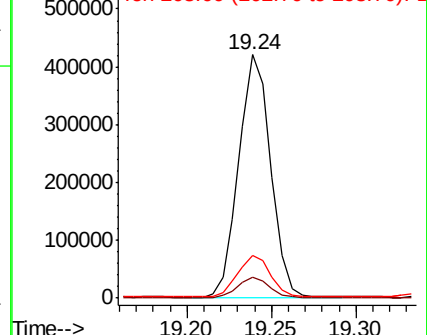
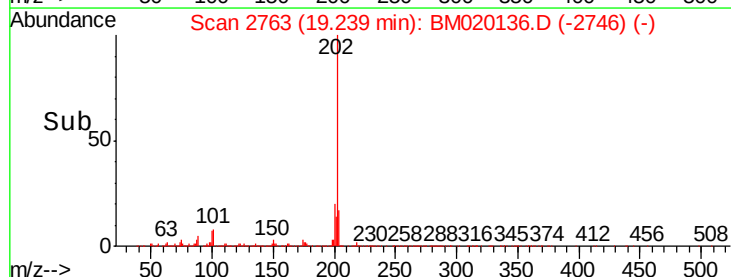
203 17.7 0.0 37.4

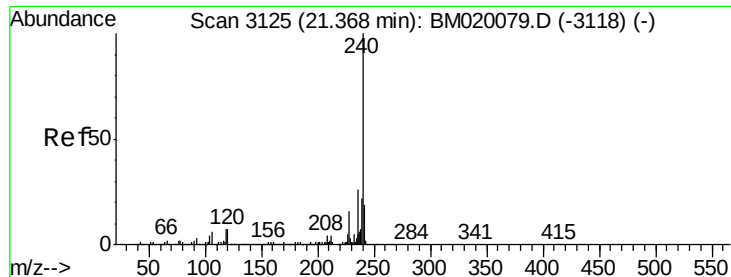


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.37 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

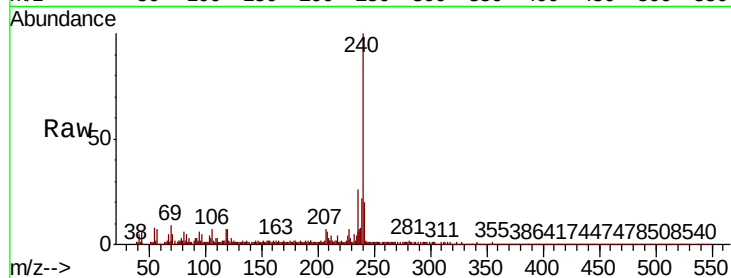
Tgt Ion:240 Resp: 741485

Ion Ratio Lower Upper

240 100

120 7.4 5.6 8.4

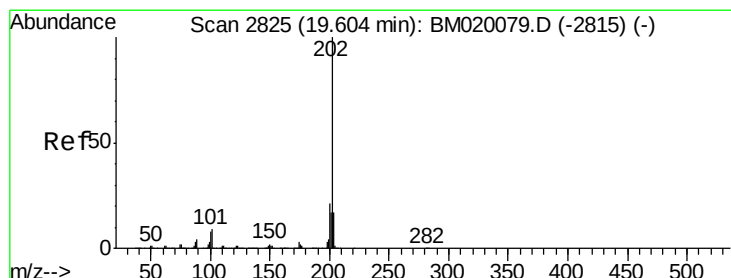
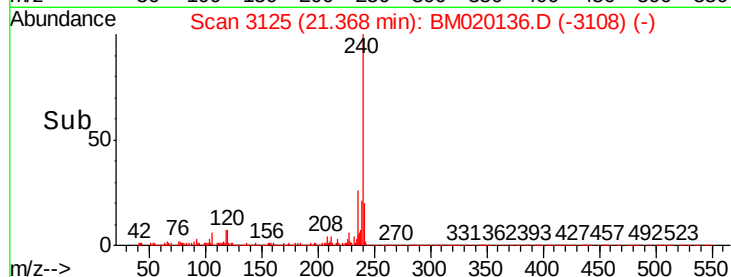
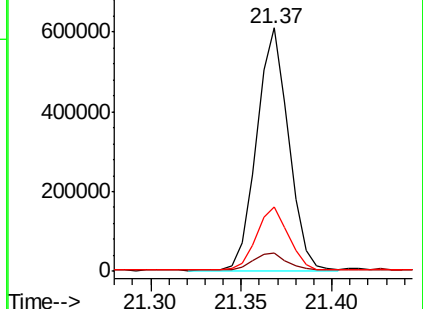
236 26.4 20.9 31.3



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: 10.335 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

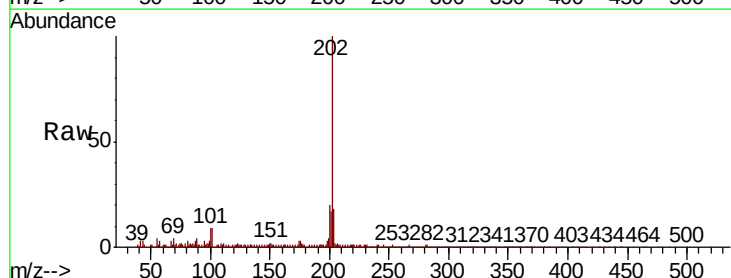
Tgt Ion:202 Resp: 514527

Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

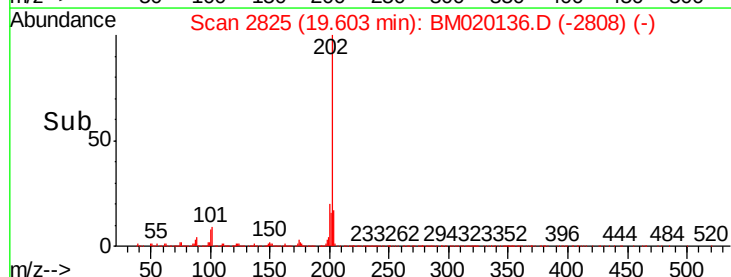
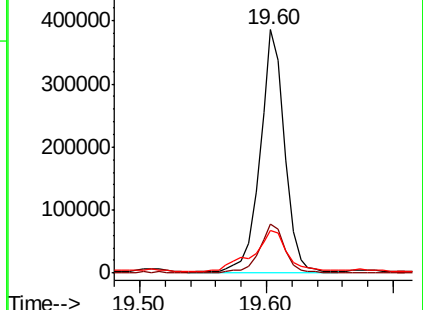
203 17.7 13.9 20.9

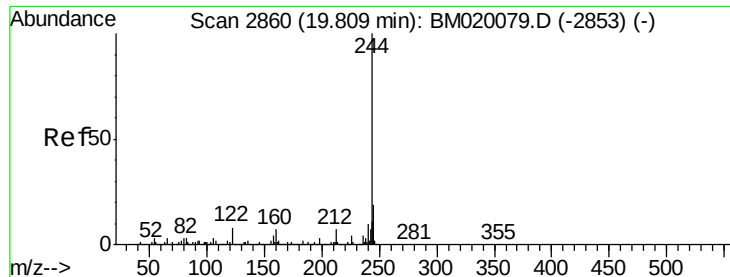


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 30.333 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

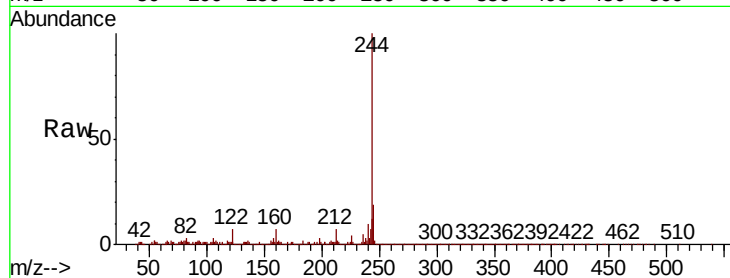
Tgt Ion:244 Resp: 1289480

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

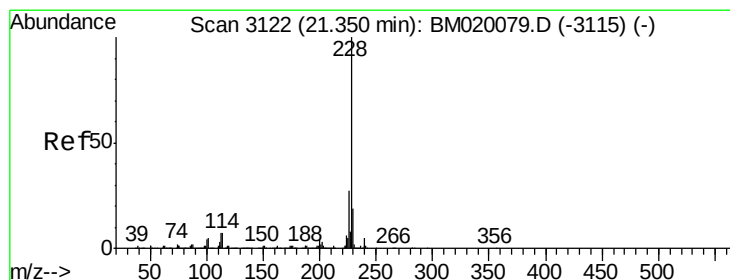
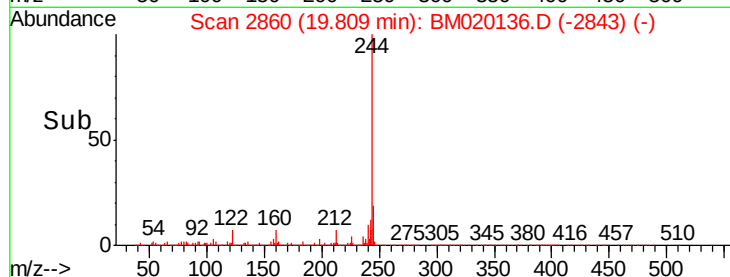
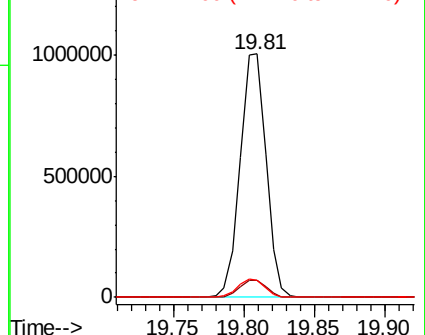
122 6.9 6.2 9.2



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: 5.467 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

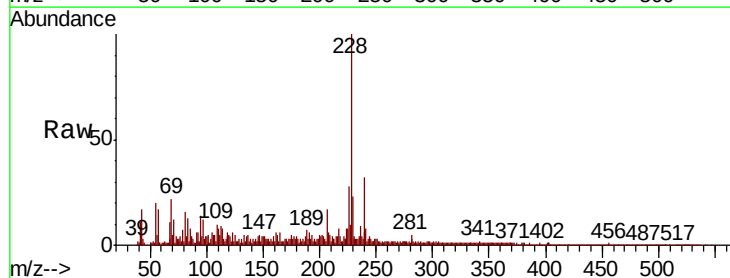
Tgt Ion:228 Resp: 284292

Ion Ratio Lower Upper

228 100

226 27.8 21.3 31.9

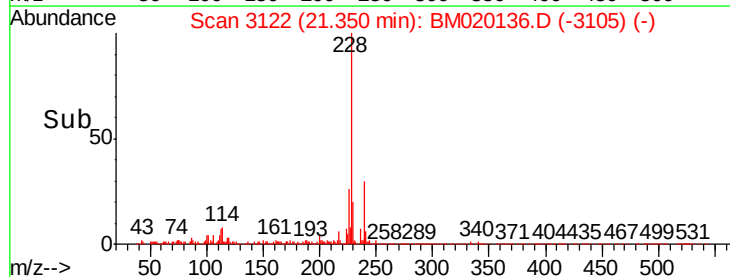
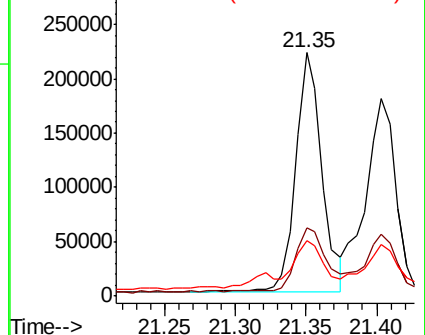
229 22.9 15.5 23.3

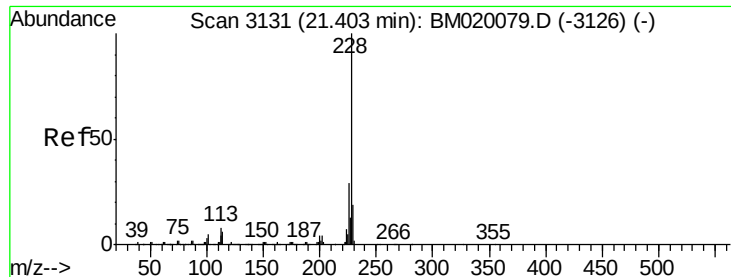


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

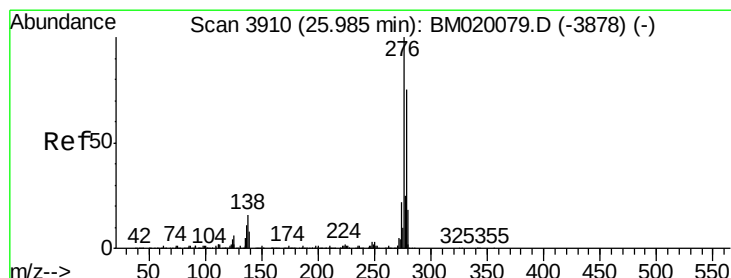
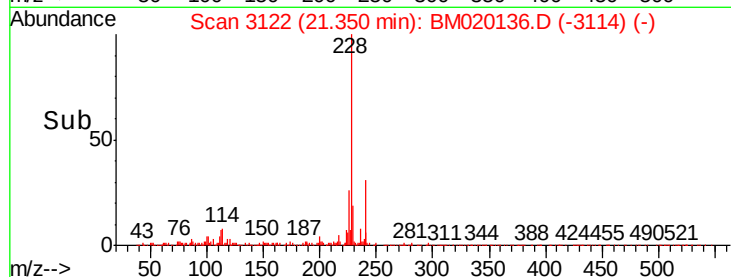
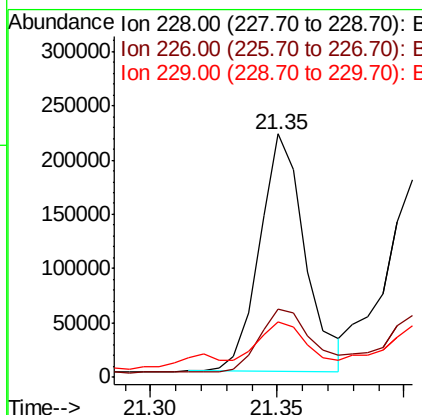
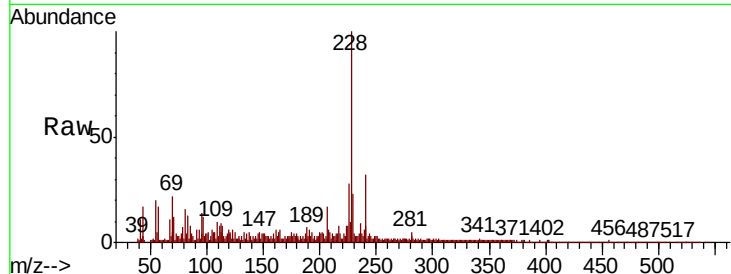




#83
Chrysene
Concen: 5.447 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.05 min
Lab File: BM020136.D
Acq: 06 May 2019 15:24

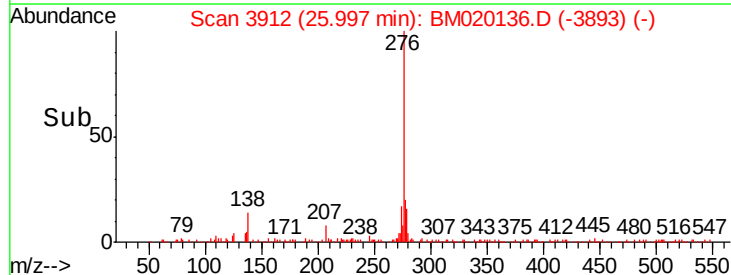
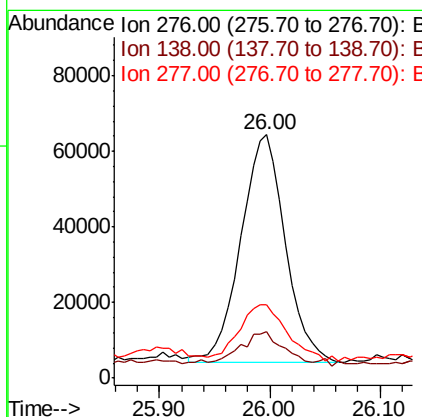
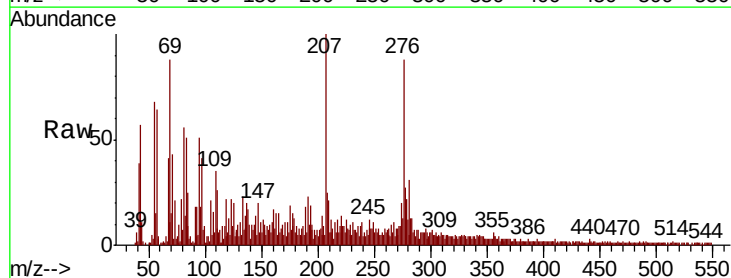
Instrument :
BNA_M
ClientSampleId :
OK-02-050219

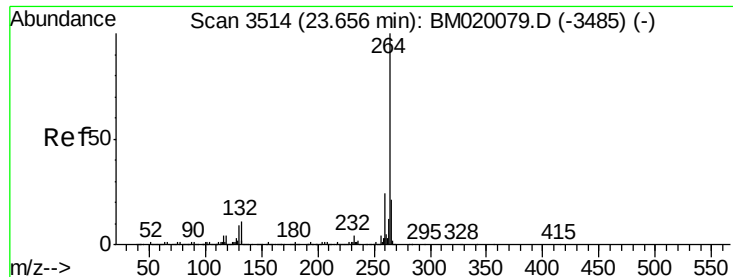
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.0	34.6
229	22.9	15.5	23.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.851 ng
RT: 26.00 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM020136.D
Acq: 06 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.4	0.0	0.0#
277	26.6	0.0	0.0#





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

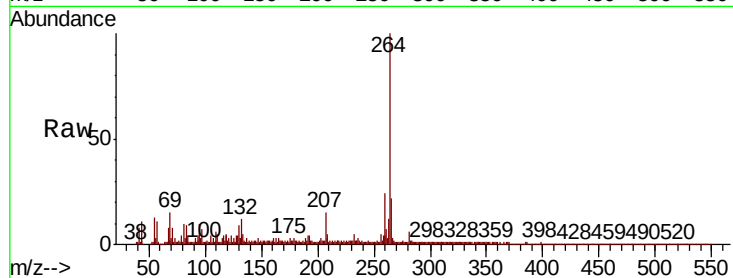
Tgt Ion:264 Resp: 884310

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.5 16.9 25.3

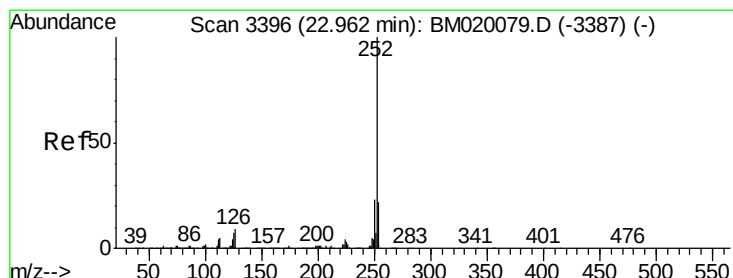
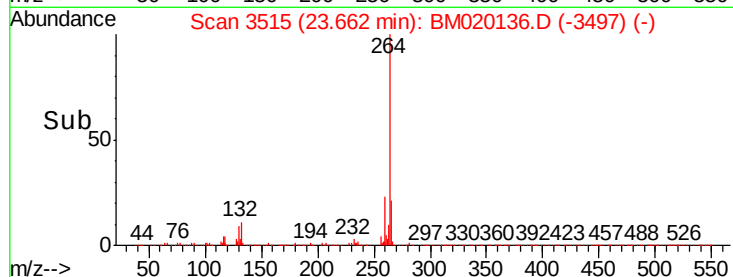
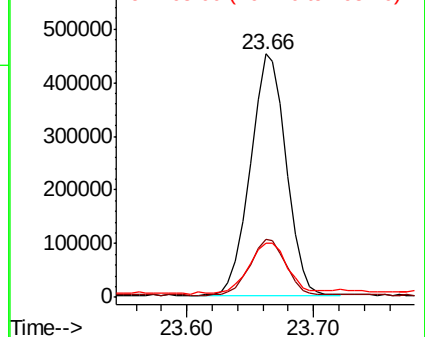


Abundance

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: 7.768 ng

RT: 22.97 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

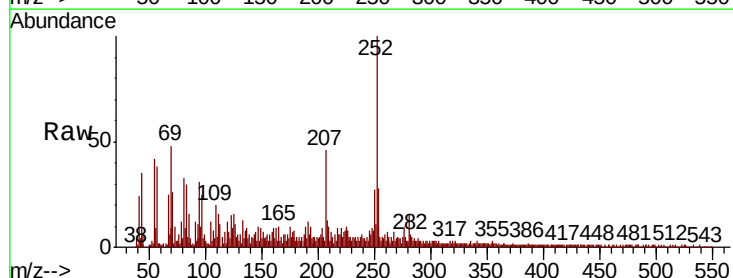
Tgt Ion:252 Resp: 453588

Ion Ratio Lower Upper

252 100

253 28.3 17.5 26.3#

125 15.7 5.4 8.2#

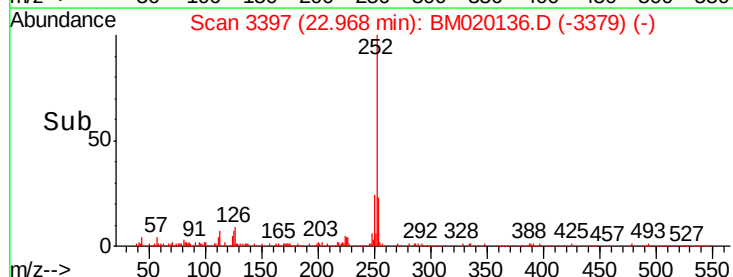
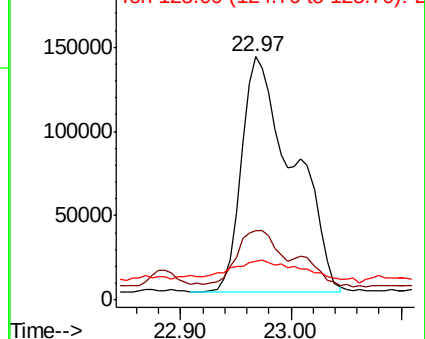


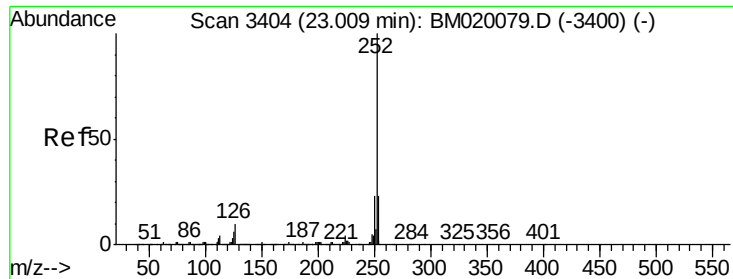
Abundance

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: 8.454 ng

RT: 22.97 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

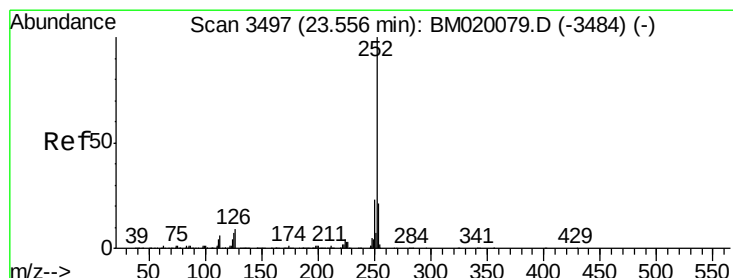
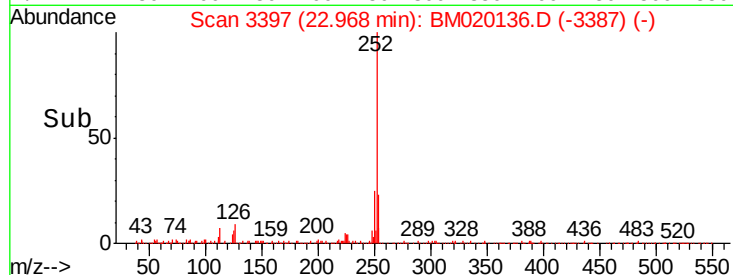
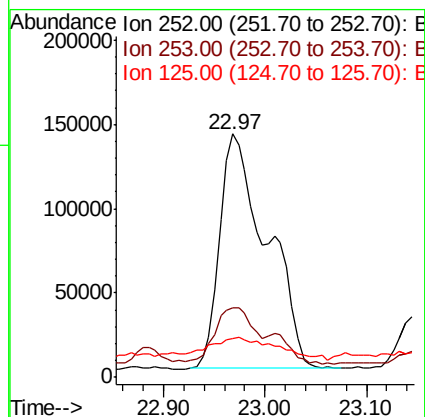
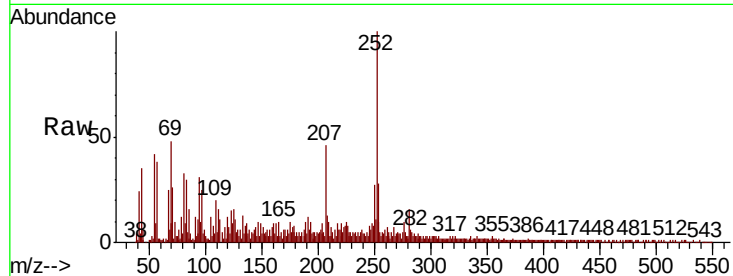
Tgt Ion:252 Resp: 450314

Ion Ratio Lower Upper

252 100

253 28.3 17.8 26.8#

125 15.7 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 4.827 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

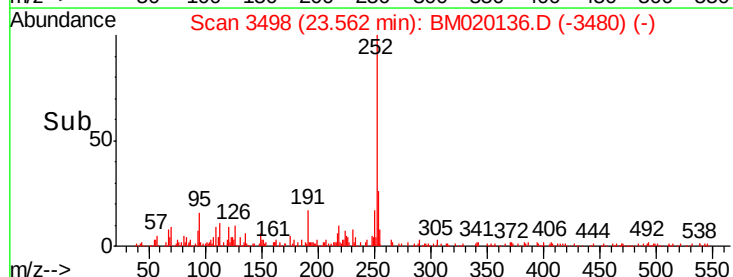
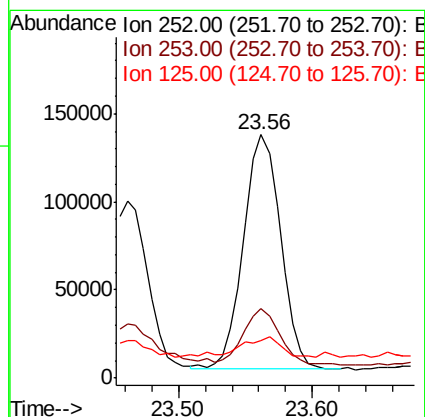
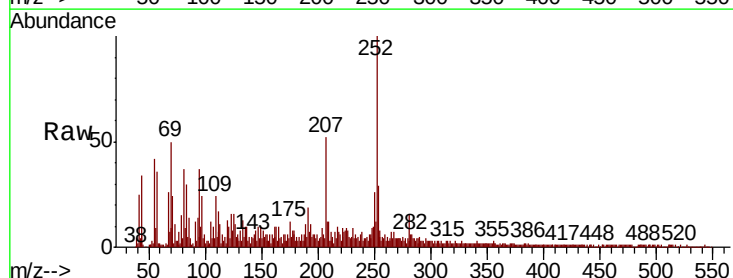
Tgt Ion:252 Resp: 256056

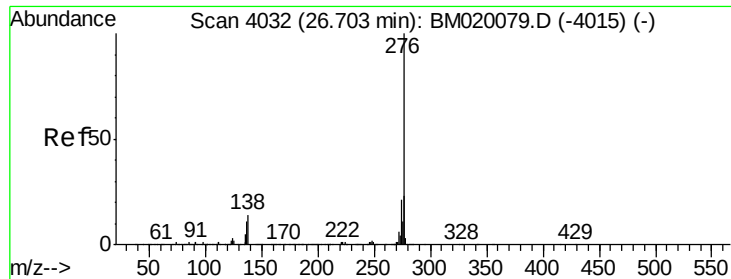
Ion Ratio Lower Upper

252 100

253 28.8 17.0 25.6#

125 15.6 5.5 8.3#





#92

Benzo(g,h,i)perylene

Concen: 3.333 ng

RT: 26.71 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM020136.D

Acq: 06 May 2019 15:24

Instrument :

BNA_M

ClientSampleId :

OK-02-050219

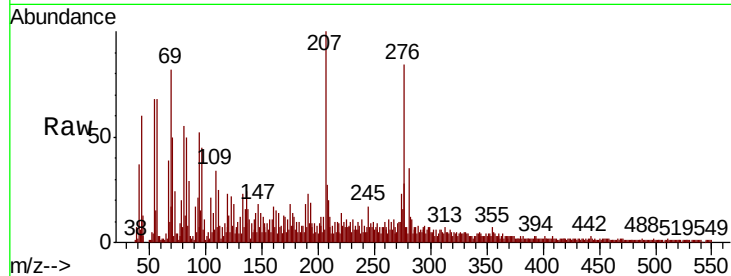
Tgt Ion: 276 Resp: 174561

Ion Ratio Lower Upper

276 100

277 33.1 18.4 27.6#

138 19.3 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

