

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
 Data File : BM020336.D
 Acq On : 14 May 2019 17:17
 Operator : JU/SJ
 Sample : K2807-03RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Quant Time: May 15 03:49:02 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	56638	20.00	ng	-0.04
21) Naphthalene-d8	10.55	136	185018	20.00	ng	-0.04
39) Acenaphthene-d10	14.40	164	114619	20.00	ng	-0.03
64) Phenanthrene-d10	17.16	188	273437	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	312070	20.00	ng	-0.02
87) Perylene-d12	23.63	264	375745	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	363689	104.96	ng	-0.02
7) Phenol-d6	6.93	99	461818	97.56	ng	-0.02
23) Nitrobenzene-d5	8.92	82	306783	65.46	ng	-0.04
42) 2,4,6-Tribromophenol	15.90	330	188411	105.90	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	576942	61.93	ng	-0.04
79) Terphenyl-d14	19.79	244	1005072	56.18	ng	-0.02

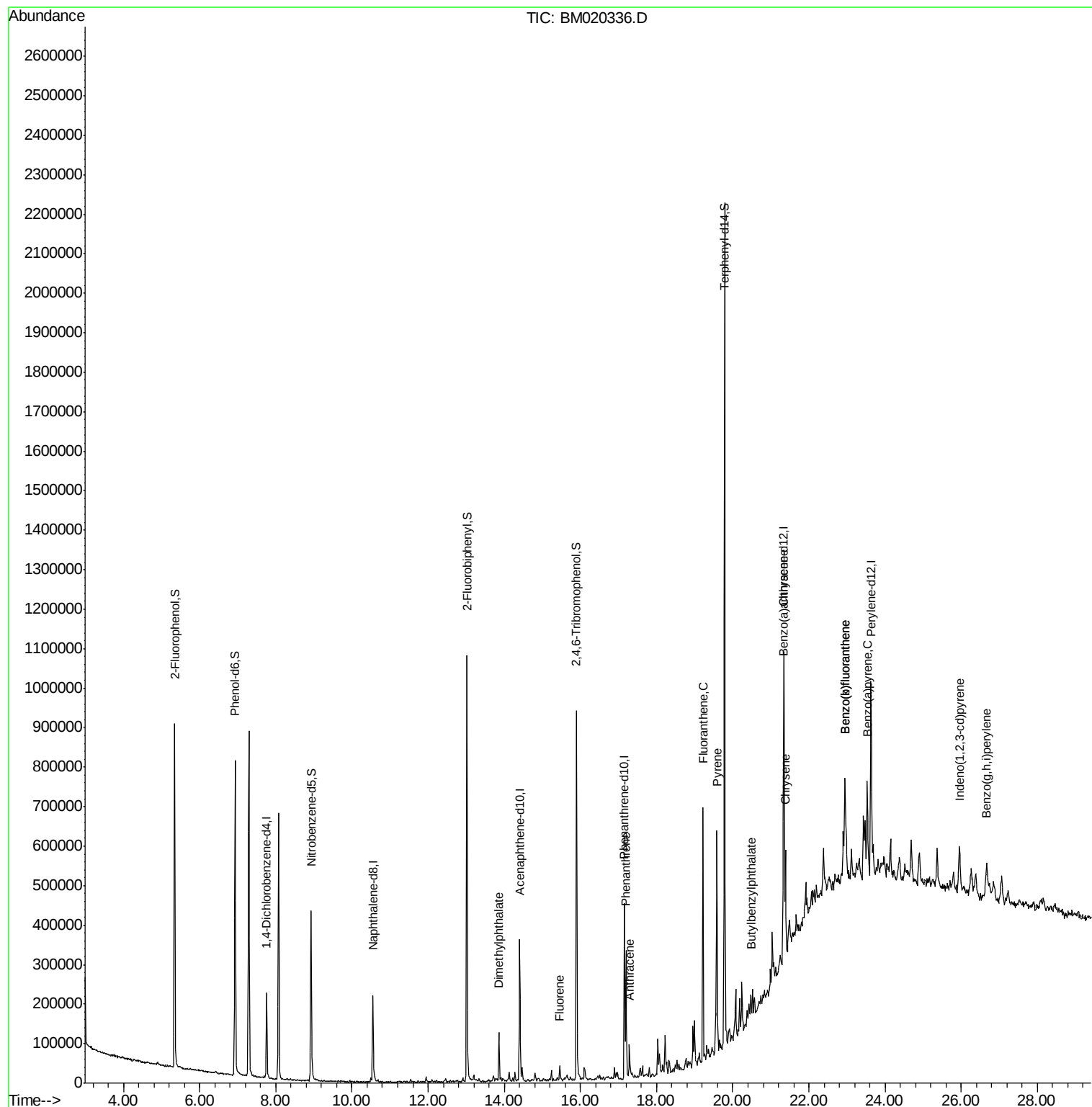
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.86	163	69494	7.134	ng	99
58) Fluorene	15.46	166	19595	2.046	ng	# 93
71) Phenanthrene	17.20	178	195604	12.959	ng	99
72) Anthracene	17.29	178	57383	3.802	ng	98
75) Fluoranthene	19.22	202	403237	21.114	ng	99
78) Pyrene	19.58	202	367574	17.544	ng	98
80) Butylbenzylphthalate	20.48	149	16255	2.133	ng	94
81) Benzo(a)anthracene	21.33	228	190879	8.722	ng	96
83) Chrysene	21.39	228	157291	7.411	ng	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	112169	4.443	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	307892	12.409	ng	# 96
89) Benzo(k)fluoranthene	22.94	252	309836	13.689	ng	# 96
90) Benzo(a)pyrene	23.53	252	168955	7.497	ng	# 90
92) Benzo(g,h,i)perylene	26.67	276	118344	5.318	ng	# 93

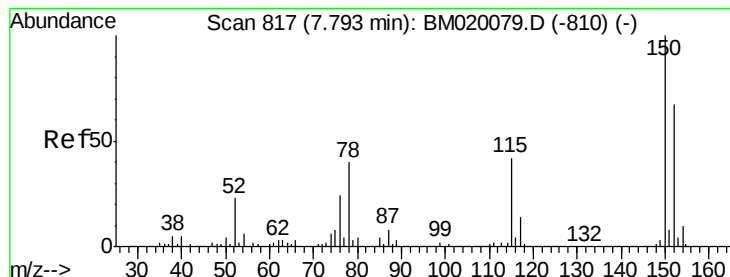
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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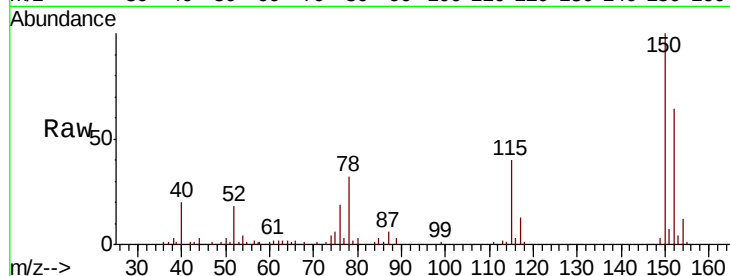


#1

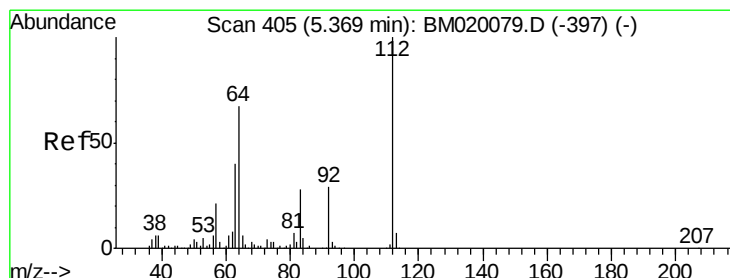
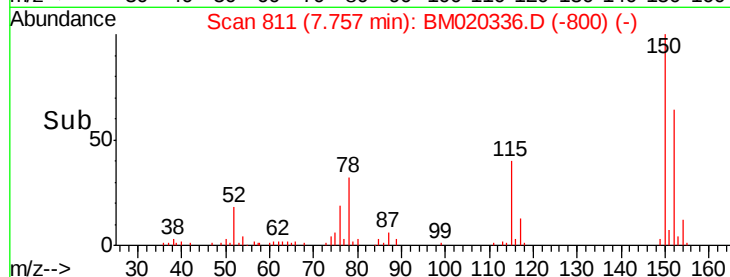
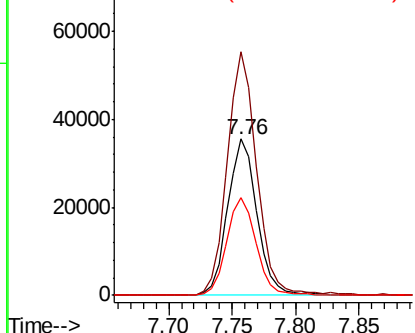
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. -0.04 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	119.8	179.8
115	62.9	50.8	76.2



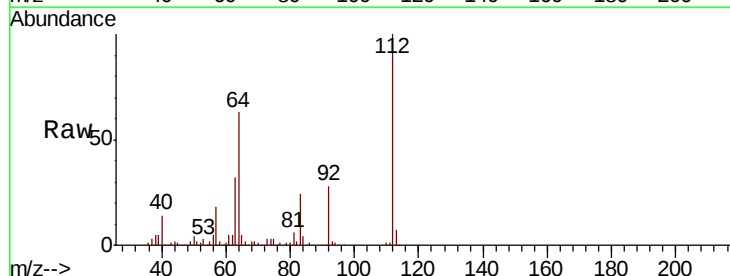
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



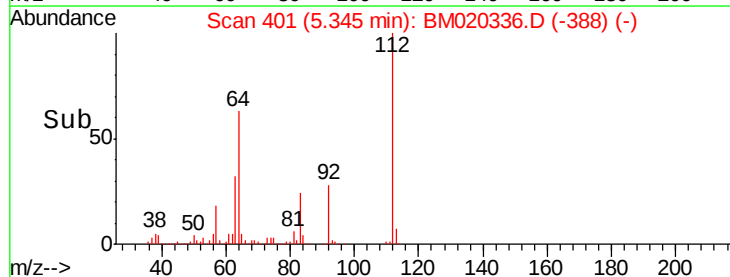
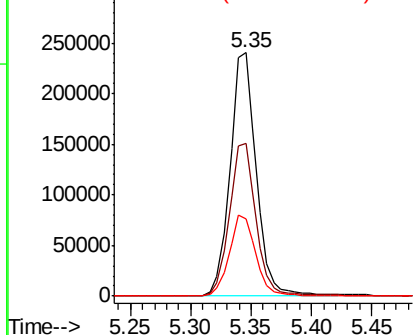
#5

2-Fluorophenol
Concen: 104.962 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	53.8	80.6
63	32.0	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: 97.561 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

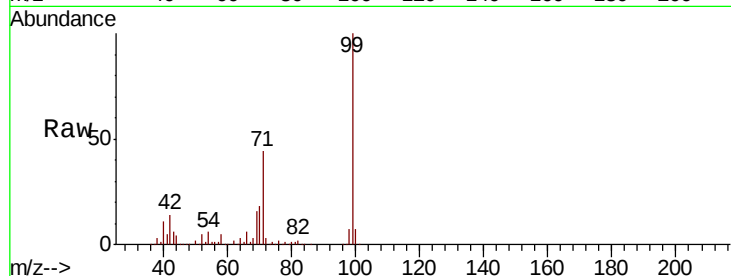
Tgt Ion: 99 Resp: 461818

Ion Ratio Lower Upper

99 100

42 14.4 14.2 21.2

71 43.8 40.3 60.5

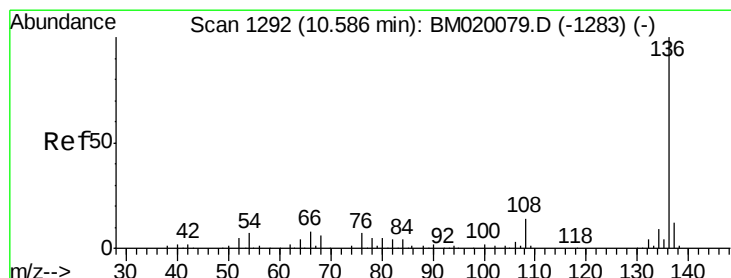
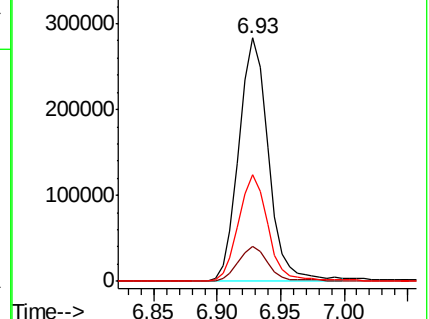
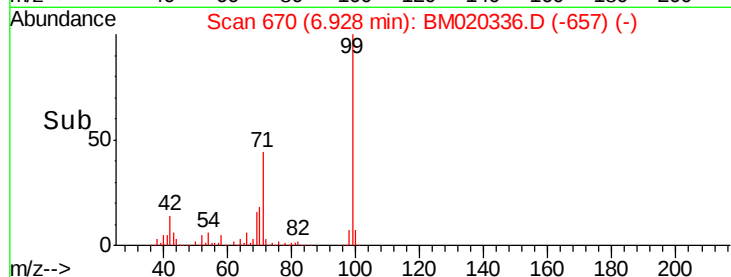


Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

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

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1286

Delta R.T. -0.04 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Tgt Ion: 136 Resp: 185018

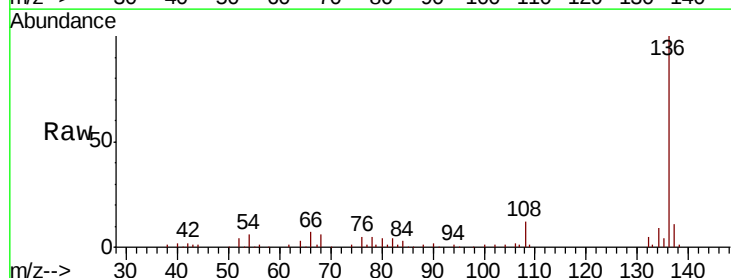
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 5.6 5.5 8.3

68 6.2 4.6 6.8



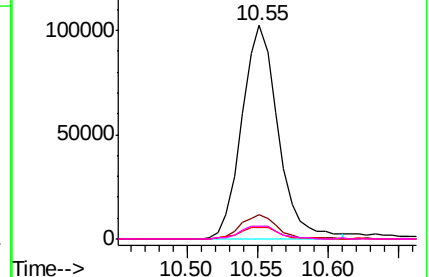
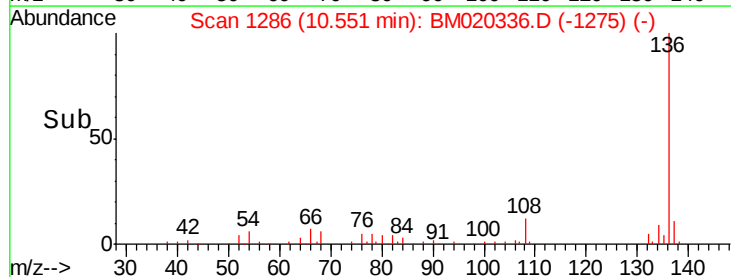
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

Time-->

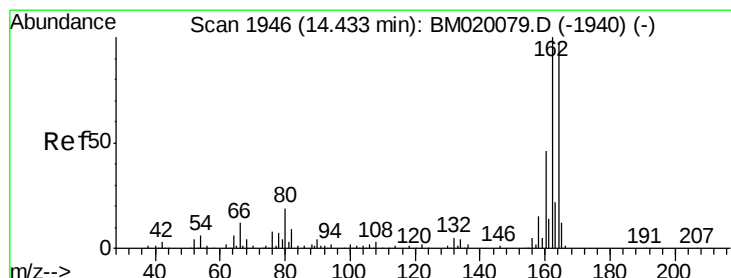
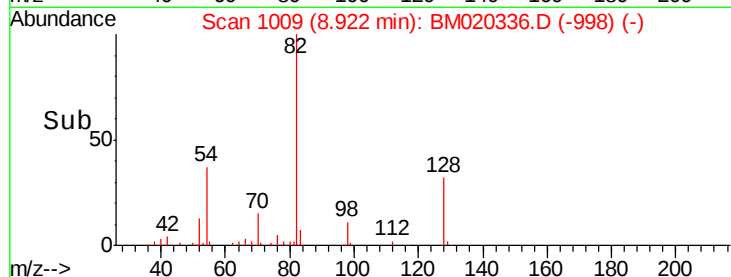
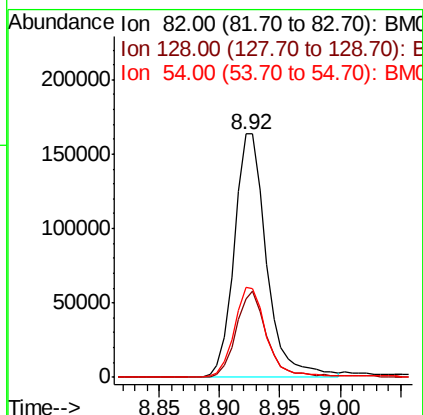
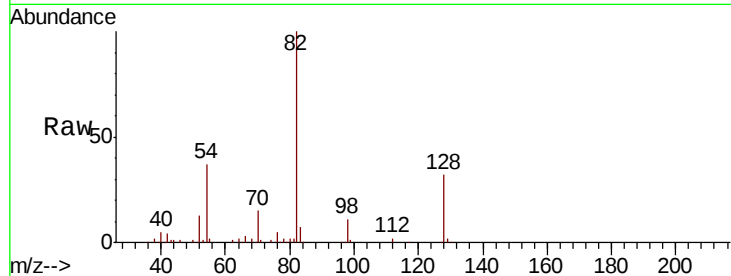




#23
Nitrobenzene-d5
Concen: 65.463 ng
RT: 8.92 min Scan# 1009
Delta R.T. -0.04 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

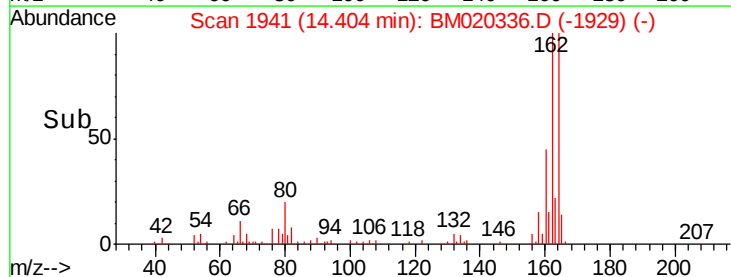
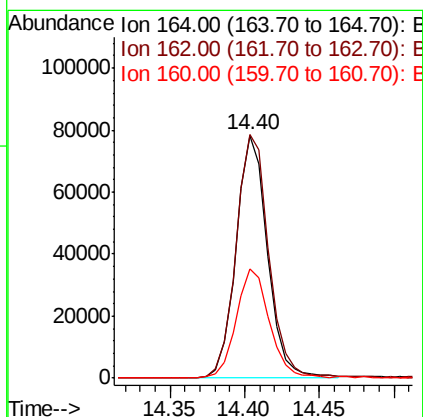
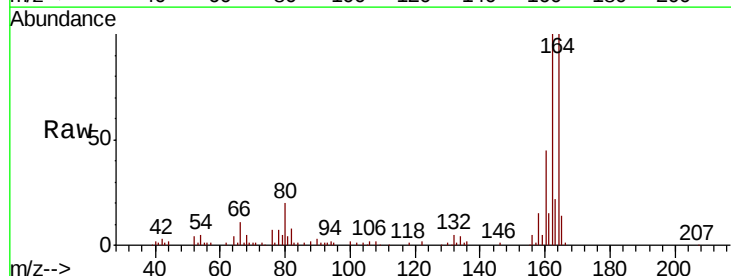
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

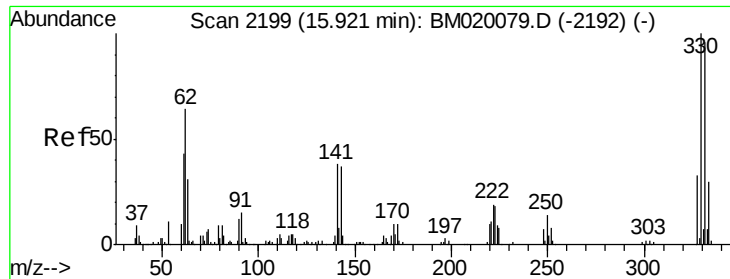
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.1	25.2	37.8
54	36.8	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.2	123.2
160	44.8	37.6	56.4

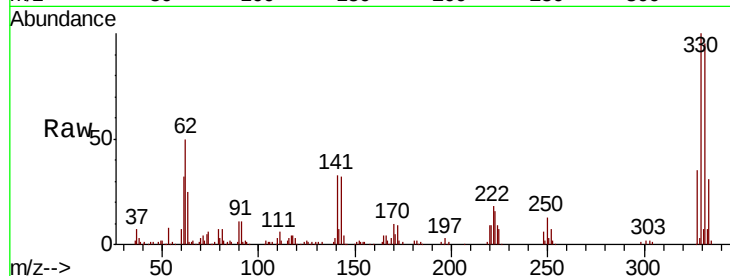




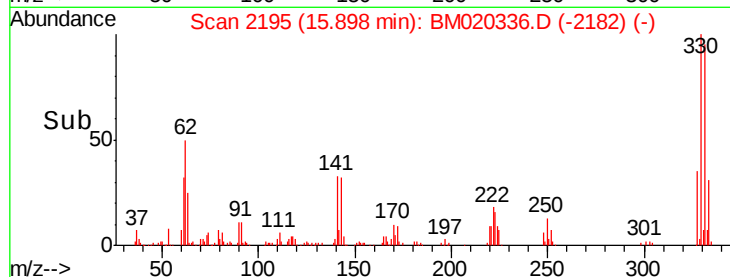
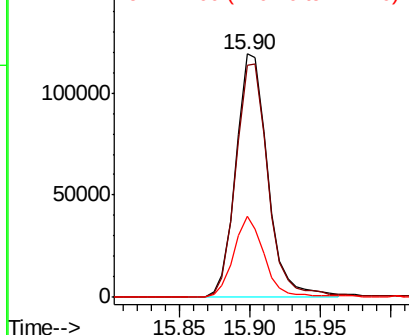
#42
 2,4,6-Tribromophenol
 Concen: 105.902 ng
 RT: 15.90 min Scan# 2195
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion:330 Resp: 188411
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 31.6 29.2 43.8

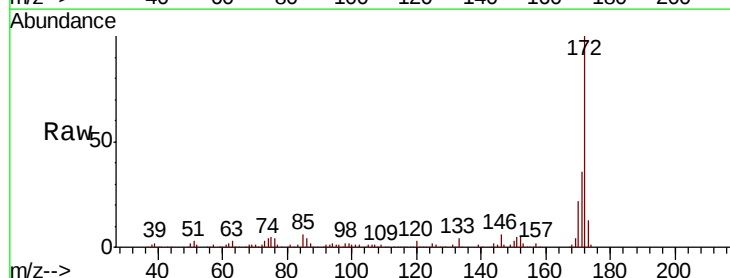


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

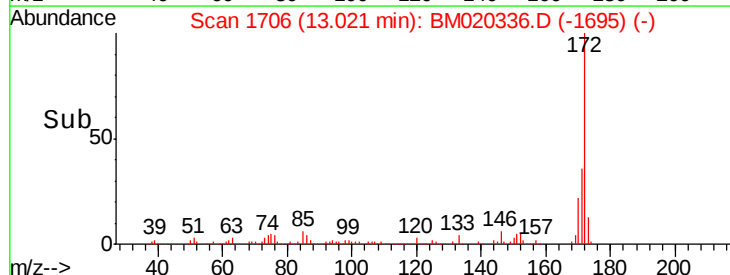
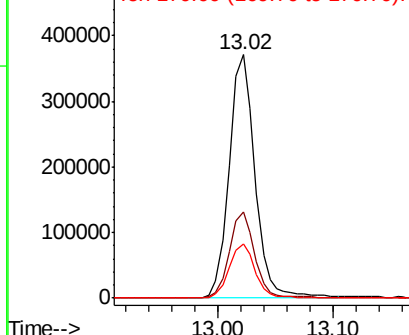


#45
 2-Fluorobiphenyl
 Concen: 61.931 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.04 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion:172 Resp: 576942
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.3 40.9
 170 22.5 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: 7.134 ng

RT: 13.86 min Scan# 1849

Delta R.T. -0.04 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

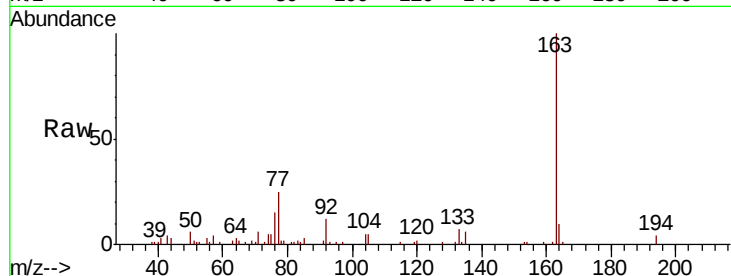
Tgt Ion:163 Resp: 69494

Ion Ratio Lower Upper

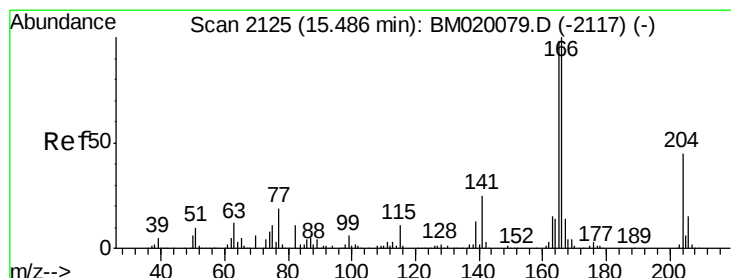
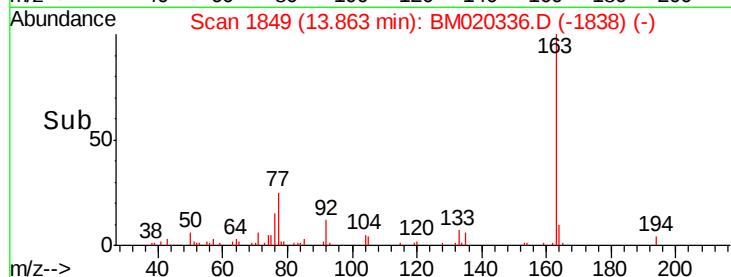
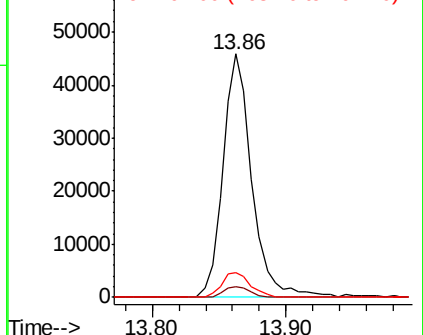
163 100

194 4.3 3.6 5.4

164 10.0 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



#58

Fluorene

Concen: 2.046 ng

RT: 15.46 min Scan# 2120

Delta R.T. -0.03 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

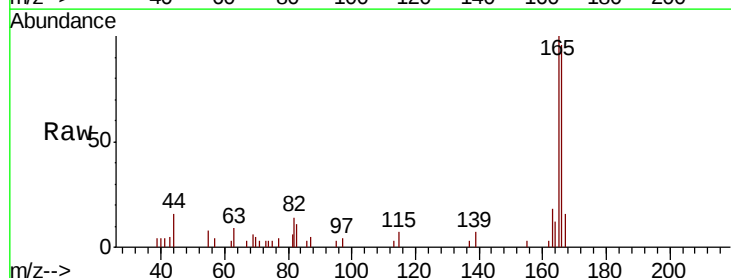
Tgt Ion:166 Resp: 19595

Ion Ratio Lower Upper

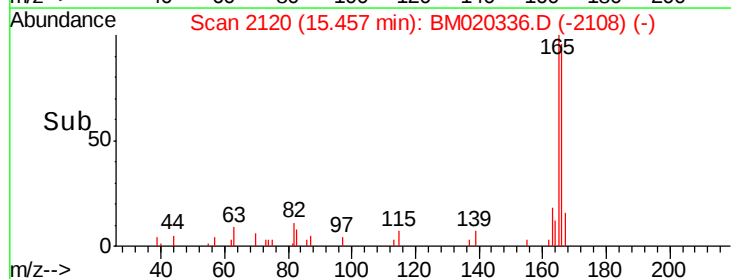
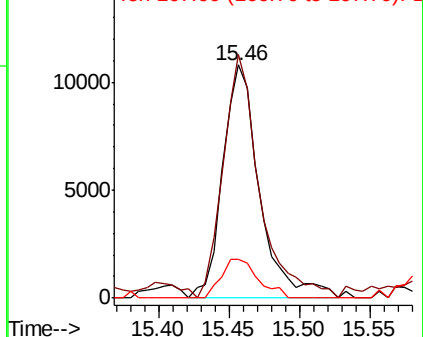
166 100

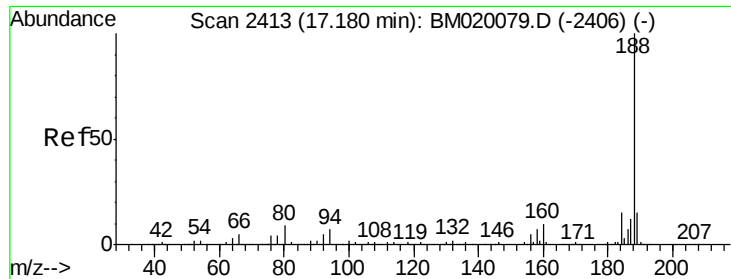
165 104.6 78.2 117.2

167 16.5 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

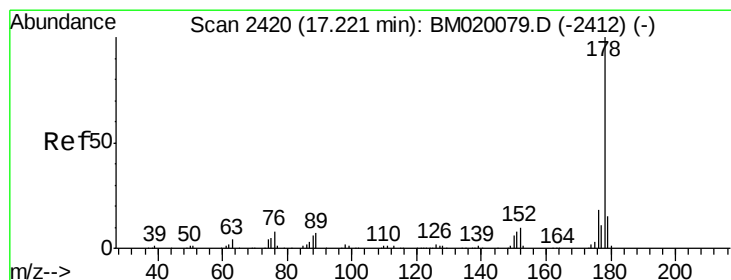
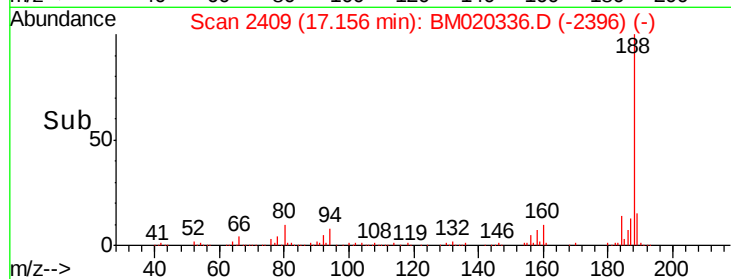
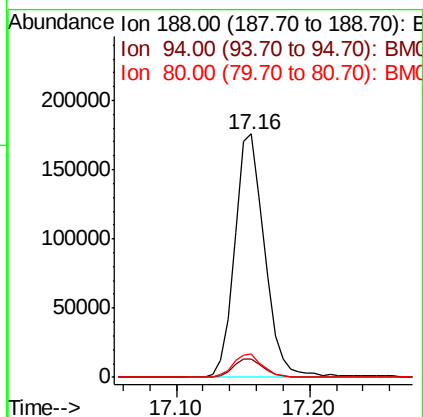
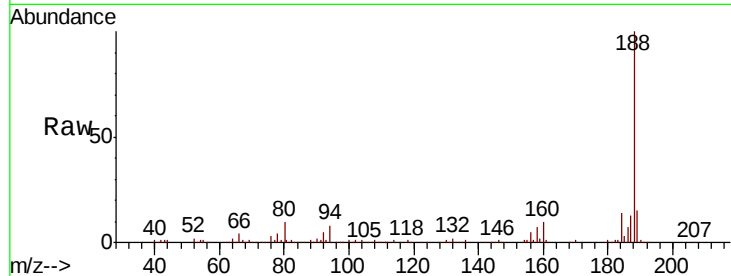




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

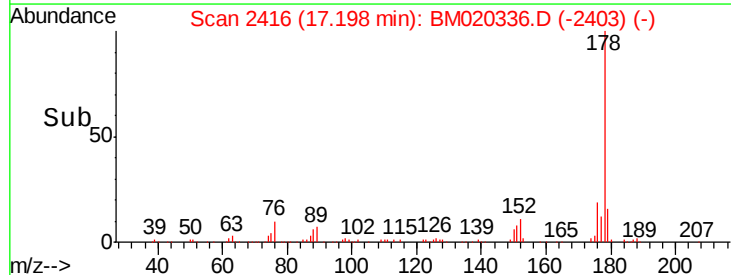
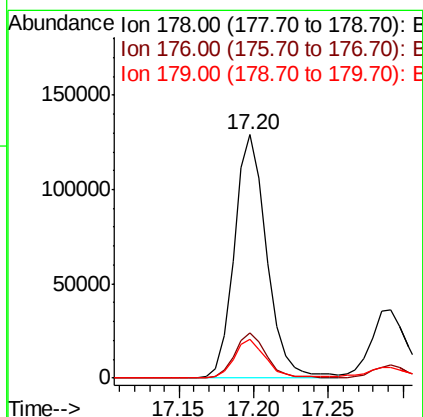
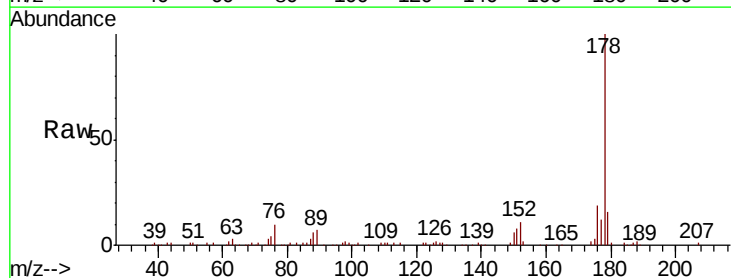
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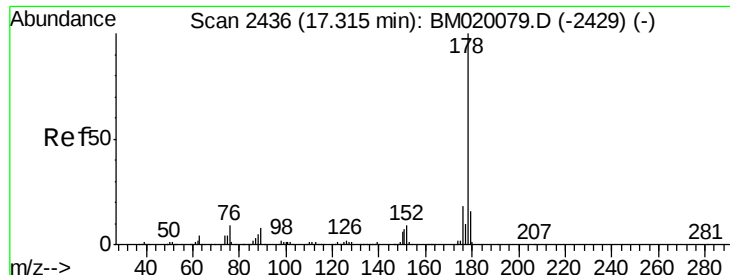
Tgt Ion:188 Resp: 273437
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 9.5 7.4 11.2



#71
Phenanthrene
Concen: 12.959 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion:178 Resp: 195604
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.9 12.4 18.6





#72

Anthracene

Concen: 3.802 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

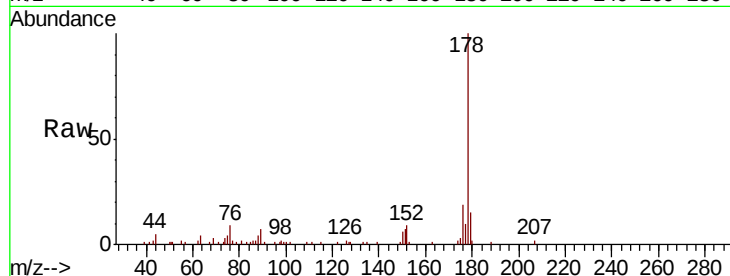
Tgt Ion:178 Resp: 57383

Ion Ratio Lower Upper

178 100

176 19.3 14.6 22.0

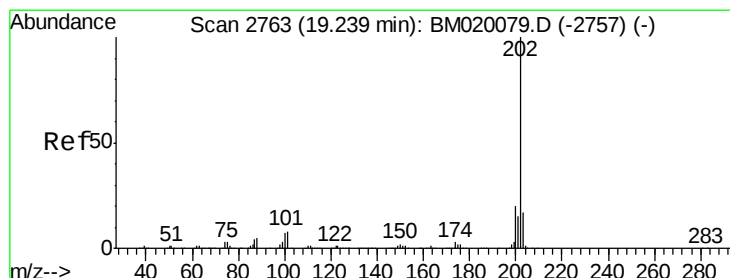
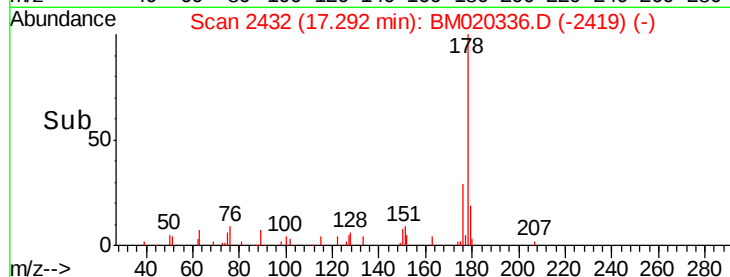
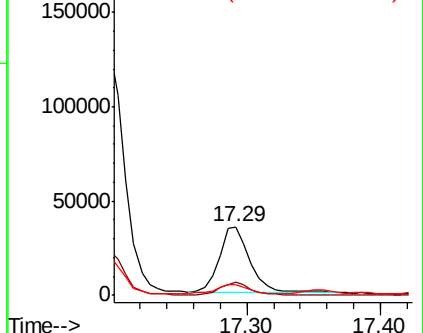
179 14.7 12.4 18.6



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: 21.114 ng

RT: 19.22 min Scan# 2759

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

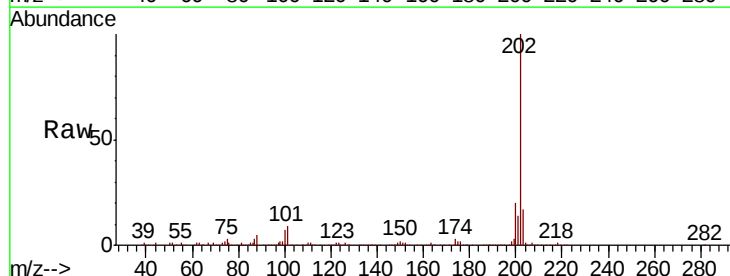
Tgt Ion:202 Resp: 403237

Ion Ratio Lower Upper

202 100

101 9.3 0.0 28.4

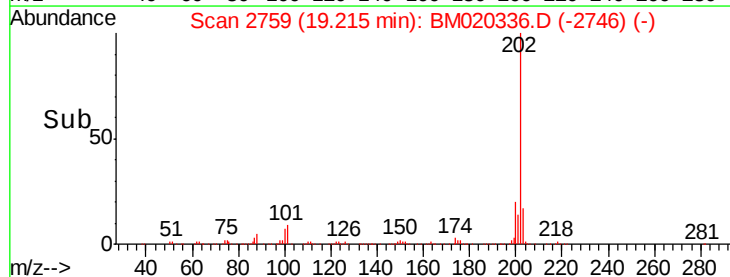
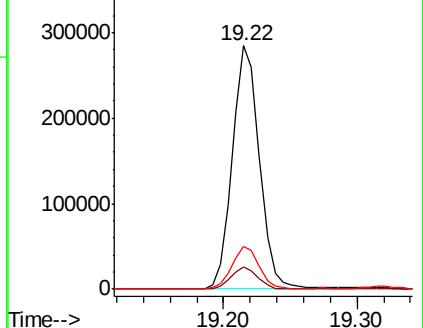
203 17.5 0.0 37.4

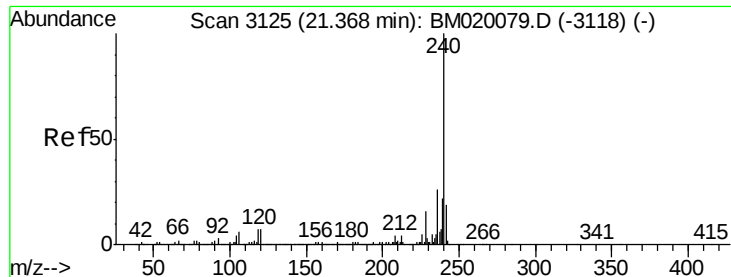


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

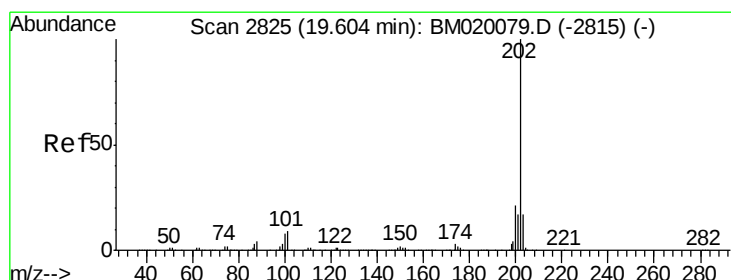
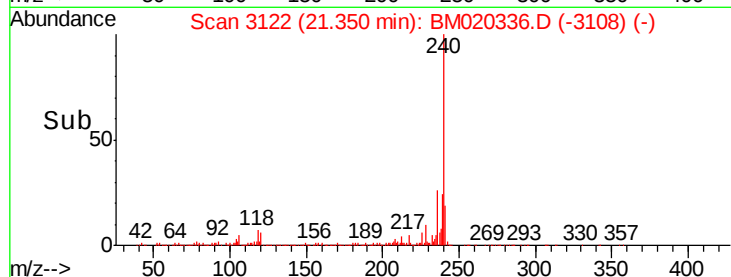
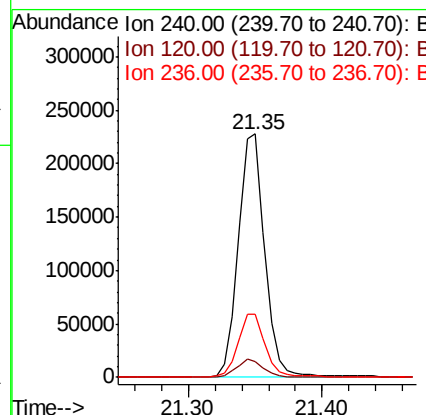
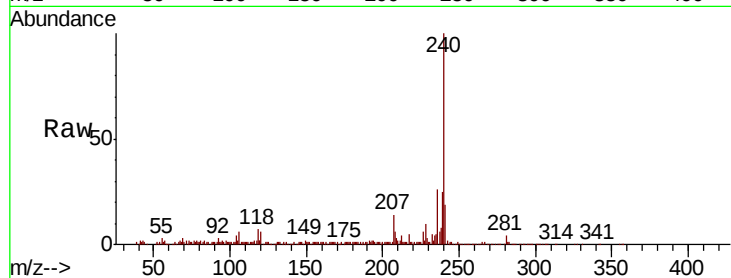




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

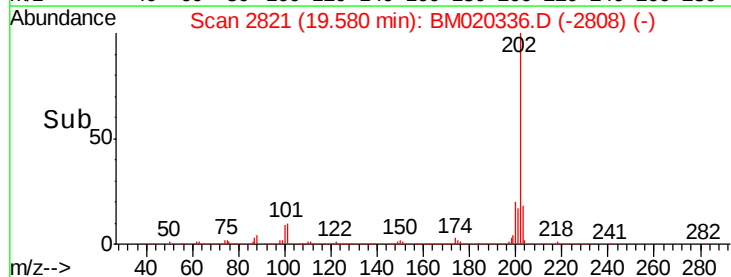
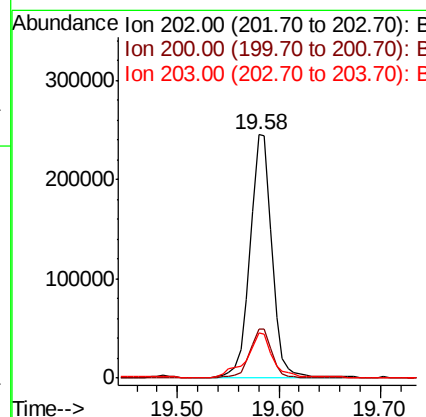
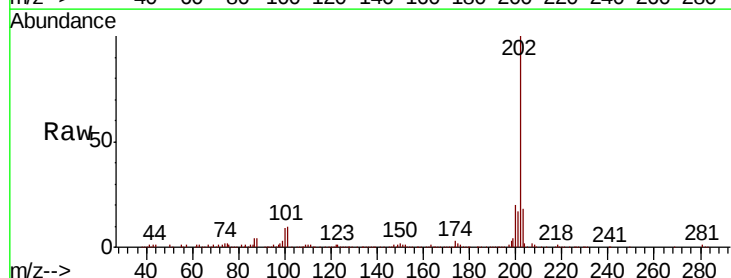
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

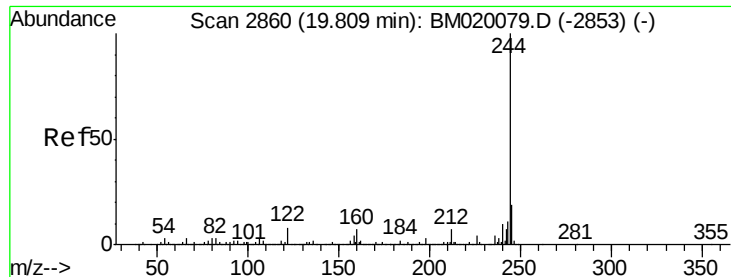
Tgt Ion:240 Resp: 312070
Ion Ratio Lower Upper
240 100
120 6.4 5.6 8.4
236 26.0 20.9 31.3



#78
Pyrene
Concen: 17.544 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion:202 Resp: 367574
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 18.3 13.9 20.9





#79

Terphenyl-d14

Concen: 56.175 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

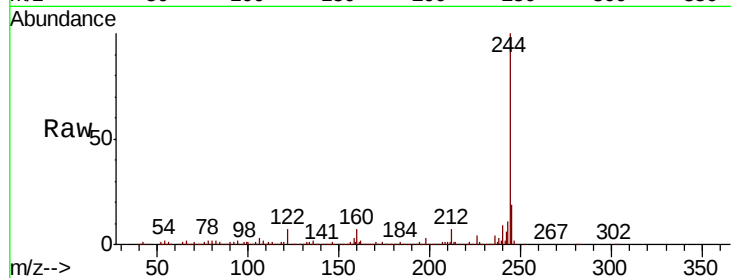
Tgt Ion:244 Resp: 1005072

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

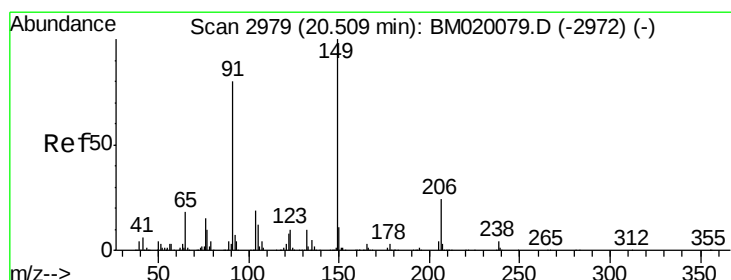
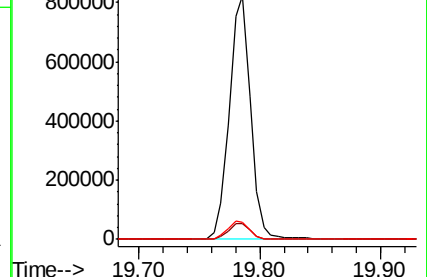
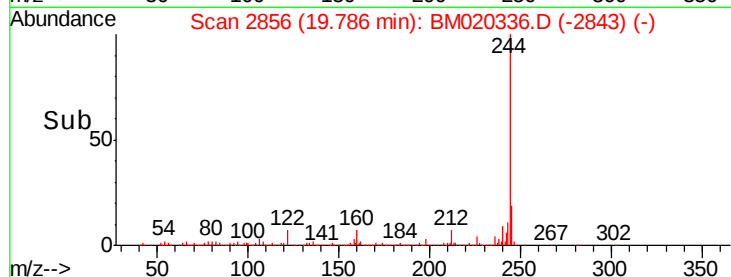
122 7.1 6.2 9.2



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



#80

Butylbenzylphthalate

Concen: 2.133 ng

RT: 20.48 min Scan# 2974

Delta R.T. -0.03 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

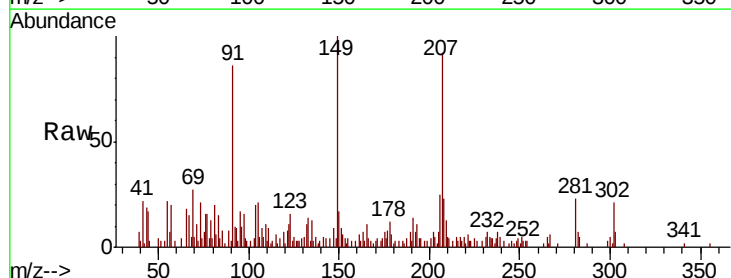
Tgt Ion:149 Resp: 16255

Ion Ratio Lower Upper

149 100

91 85.8 63.8 95.8

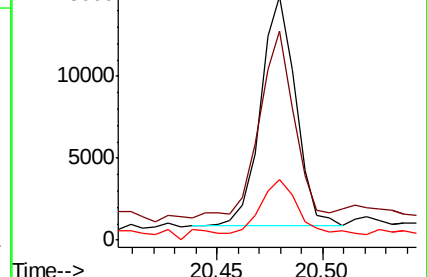
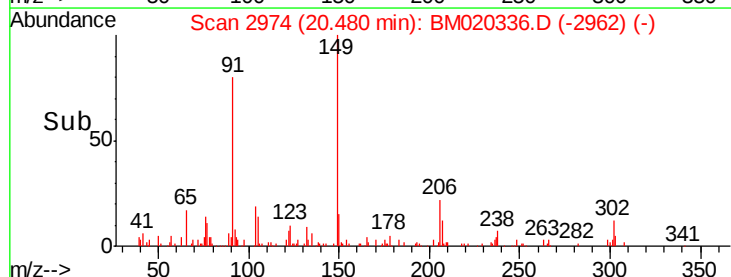
206 24.7 18.9 28.3

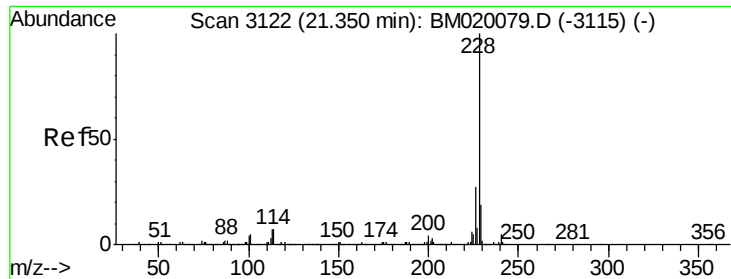


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

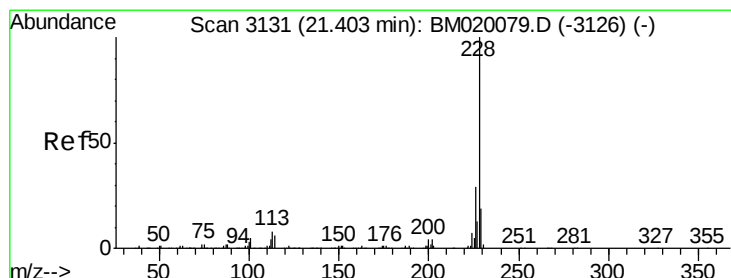
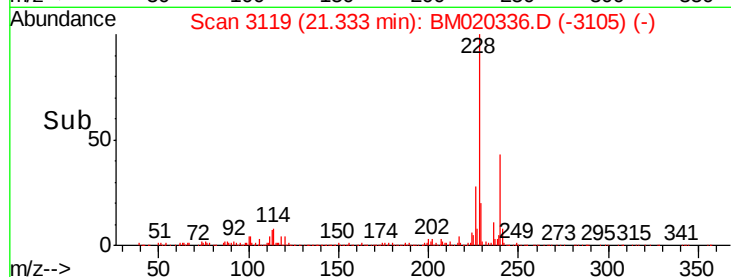
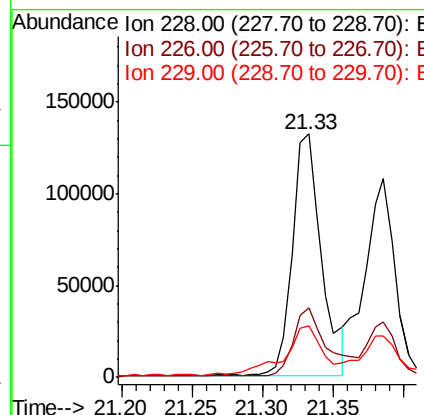
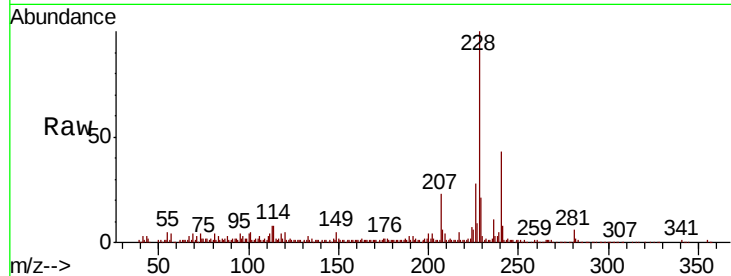




#81
Benzo(a)anthracene
Concen: 8.722 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

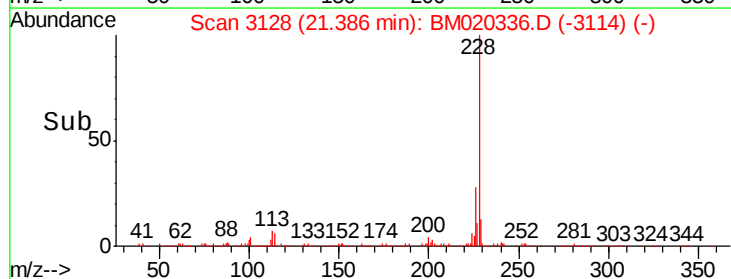
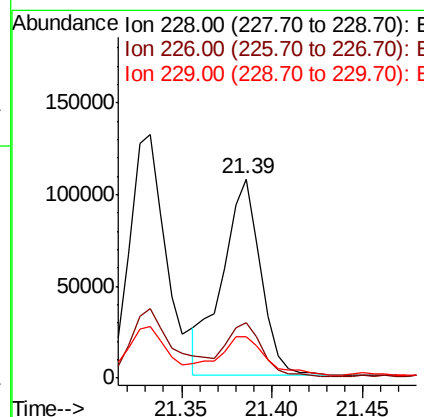
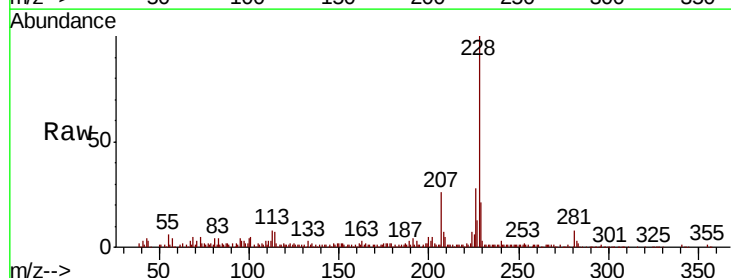
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

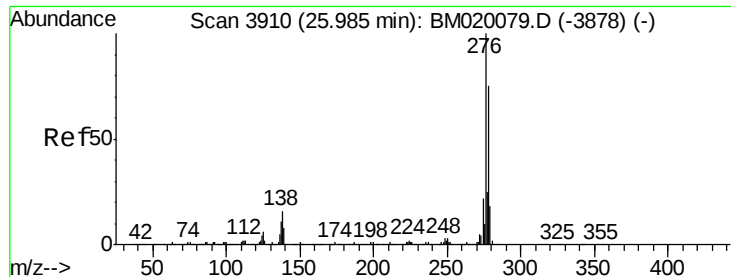
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.3	31.9
229	21.2	15.5	23.3



#83
Chrysene
Concen: 7.411 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.0	34.6
229	20.7	15.5	23.3

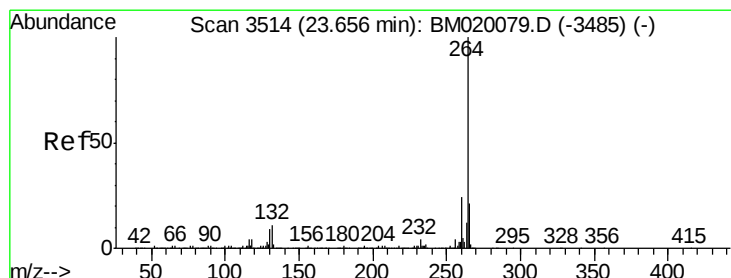
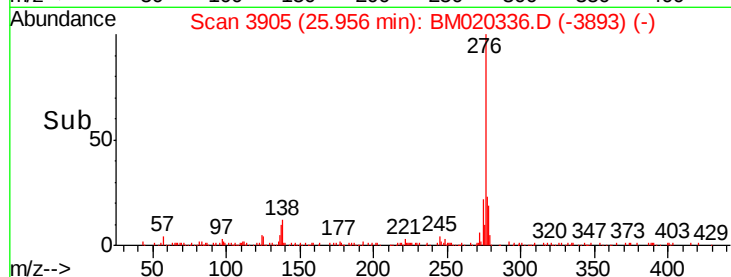
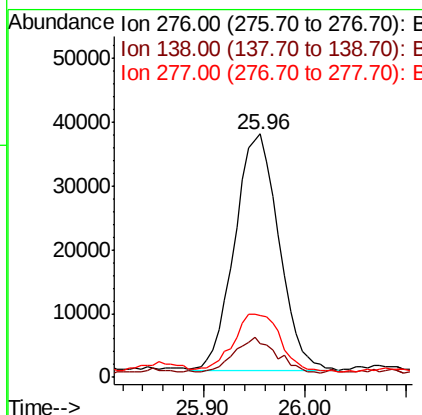
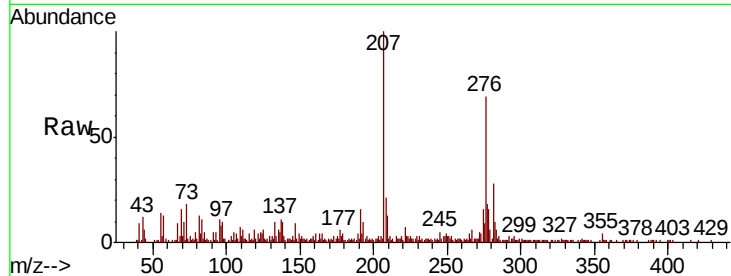




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.443 ng
 RT: 25.96 min Scan# 3905
 Delta R.T. -0.03 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

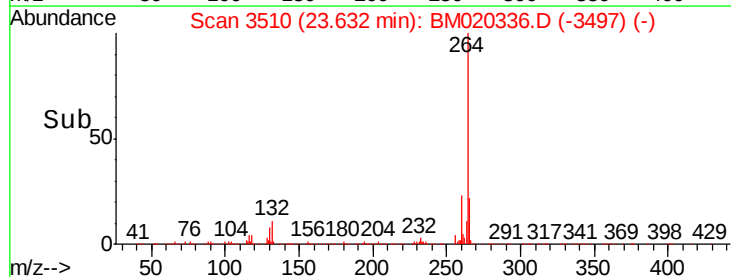
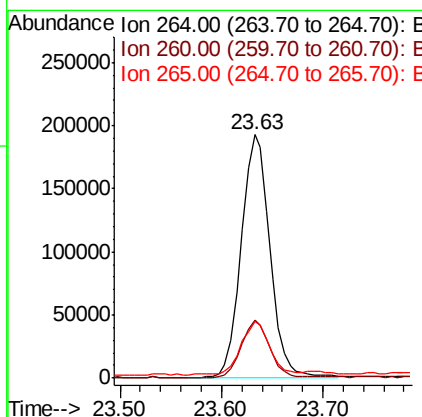
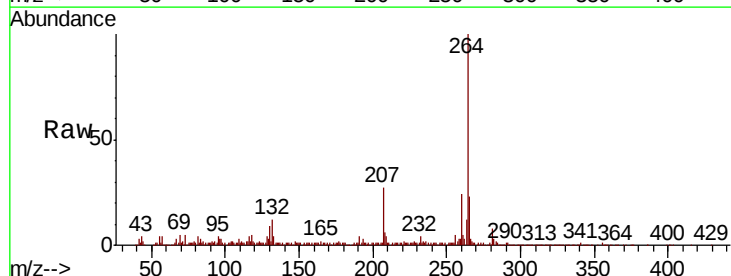
Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

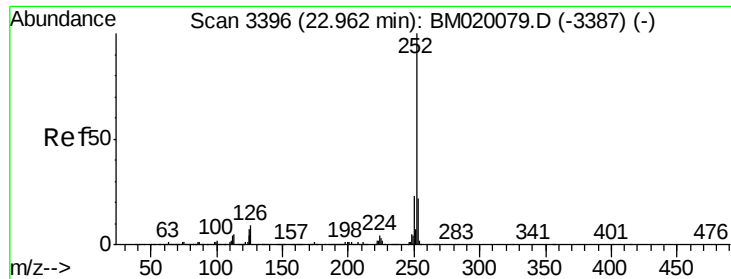
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	0.0	0.0#
277	25.9	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.4	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 12.409 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

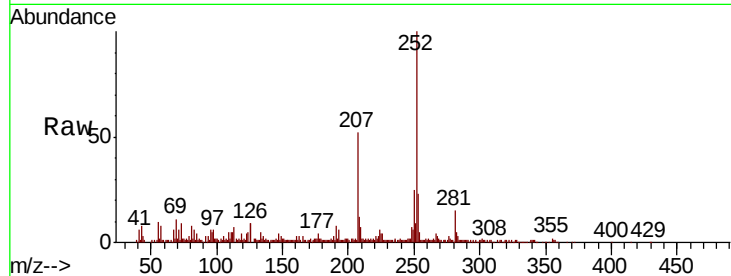
Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

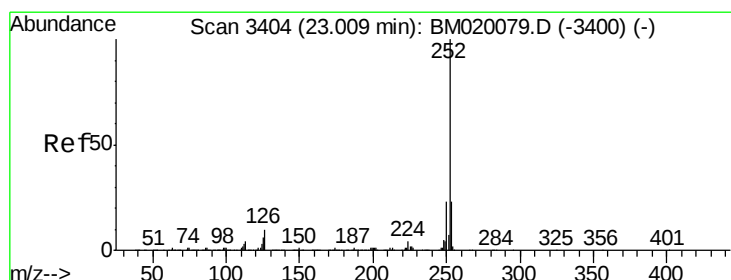
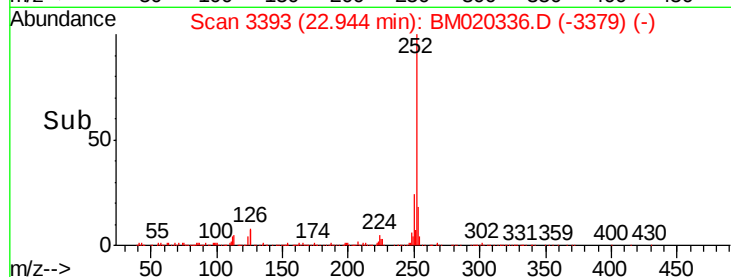
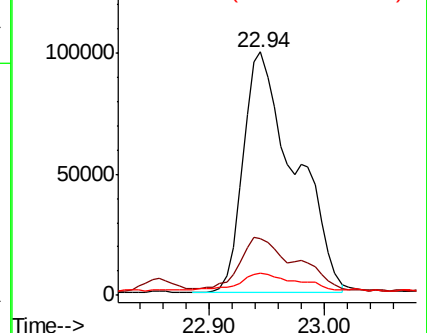
Tgt Ion:	252	Resp:	307892
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	9.1	5.4	8.2#



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: 13.689 ng

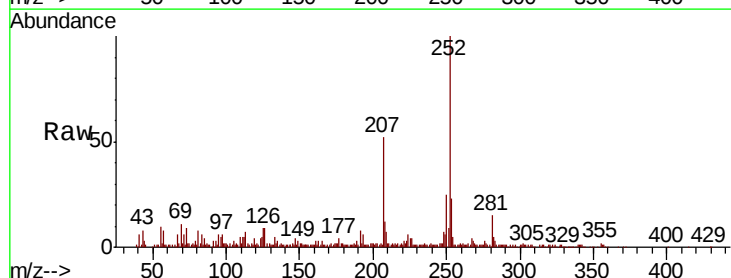
RT: 22.94 min Scan# 3393

Delta R.T. -0.06 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

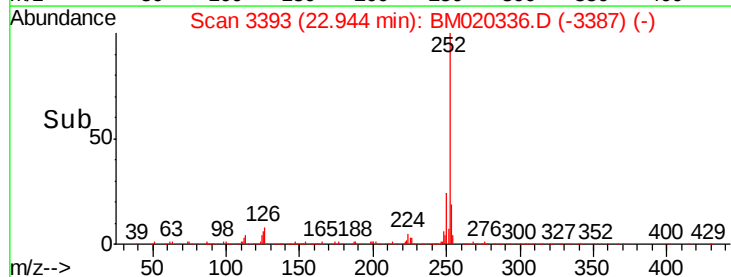
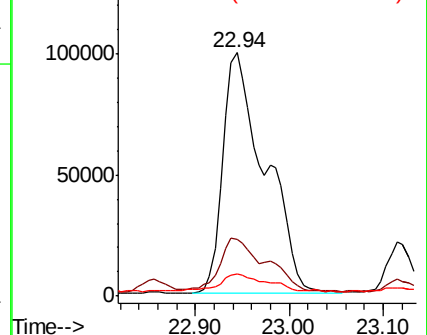
Tgt Ion:	252	Resp:	309836
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.8
125	9.1	5.4	8.0#

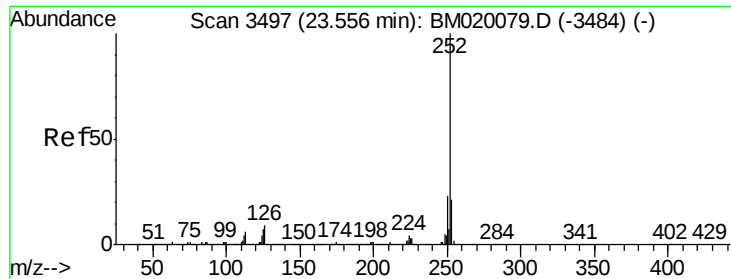


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.497 ng

RT: 23.53 min Scan# 3493

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

ClientSampleId :

FK-GF-02-039-B

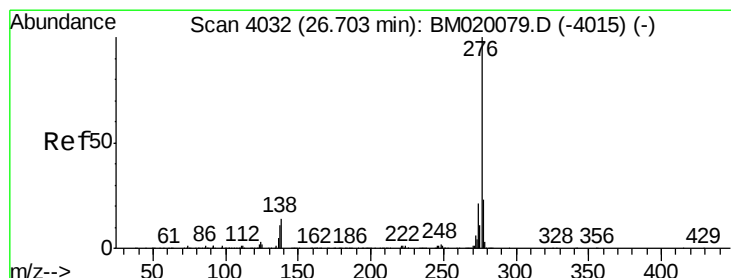
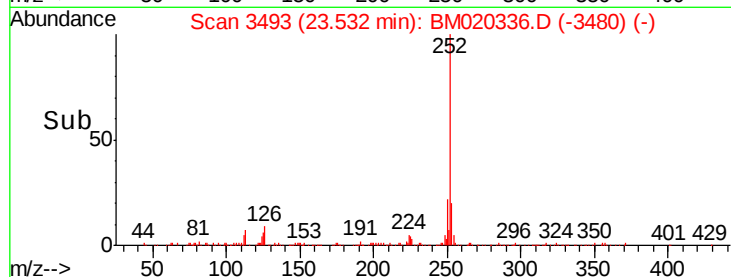
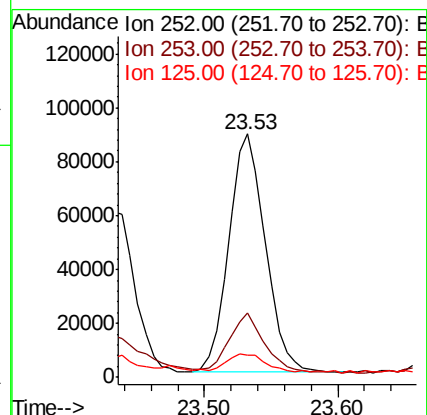
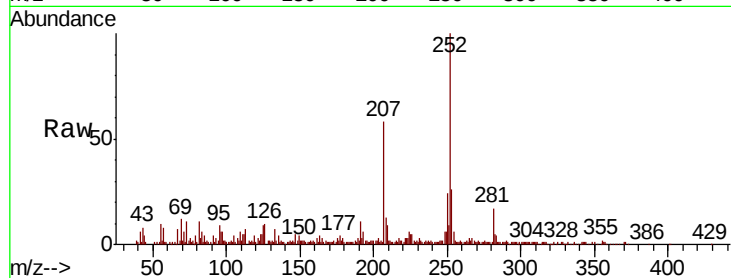
Tgt Ion: 252 Resp: 168955

Ion Ratio Lower Upper

252 100

253 26.3 17.0 25.6#

125 9.0 5.5 8.3#



#92

Benzo(g,h,i)perylene

Concen: 5.318 ng

RT: 26.67 min Scan# 4027

Delta R.T. -0.03 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Tgt Ion: 276 Resp: 118344

Ion Ratio Lower Upper

276 100

277 25.3 18.4 27.6

138 18.4 11.1 16.7#

