

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020165.D
 Acq On : 07 May 2019 11:52
 Operator : JU/SJ
 Sample : K2672-08 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 07 13:11:16 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

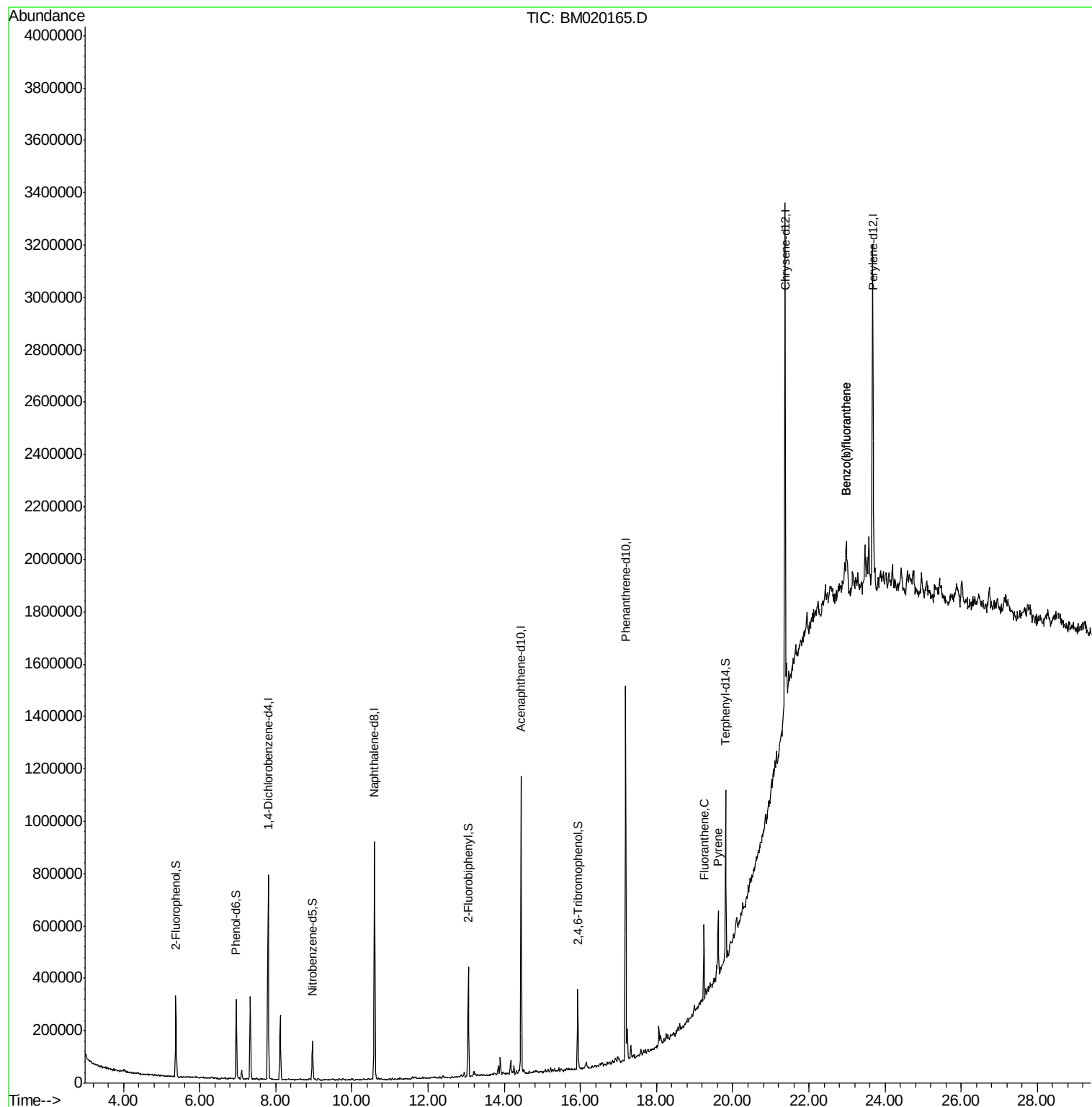
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	190426	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	667729	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	358762	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	831412	20.00	ng	0.01
76) Chrysene-d12	21.37	240	828230	20.00	ng	0.00
87) Perylene-d12	23.67	264	973607	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	119625	10.27	ng	0.00
7) Phenol-d6	6.96	99	162817	10.23	ng	0.01
23) Nitrobenzene-d5	8.96	82	93596	5.53	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	51880	9.32	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	191727	6.58	ng	0.00
79) Terphenyl-d14	19.81	244	282713	5.95	ng	0.00
Target Compounds						
75) Fluoranthene	19.24	202	162955	2.806	ng	99
78) Pyrene	19.62	202	150641	2.709	ng	98
88) Benzo(b)fluoranthene	22.98	252	194611	3.027	ng	# 81
89) Benzo(k)fluoranthene	22.98	252	196678	3.354	ng	# 82

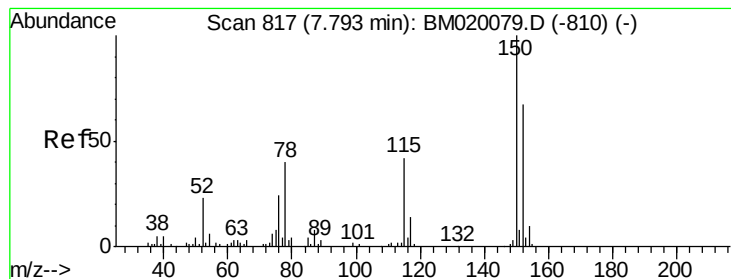
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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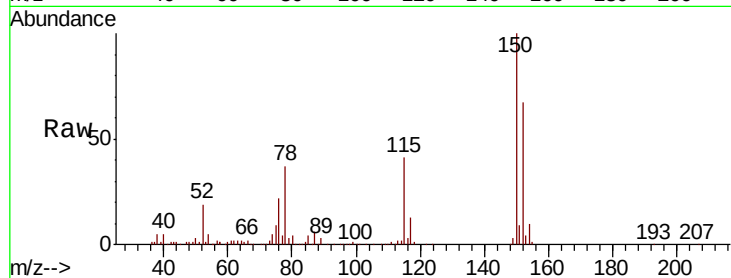


#1

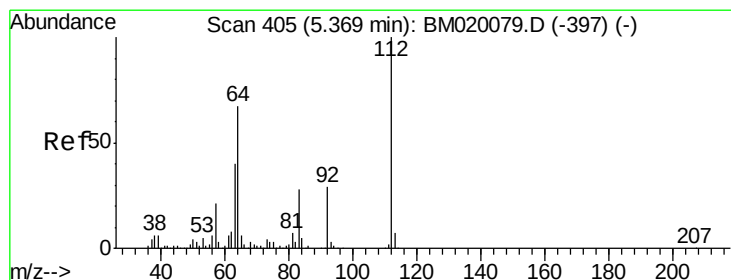
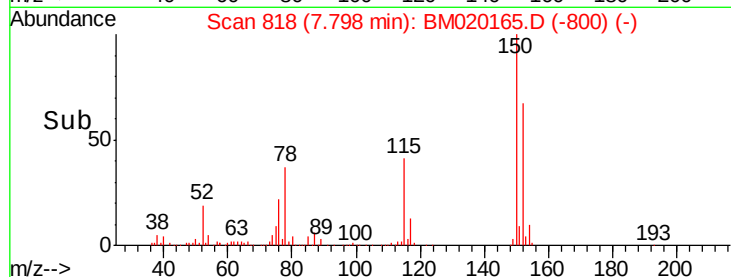
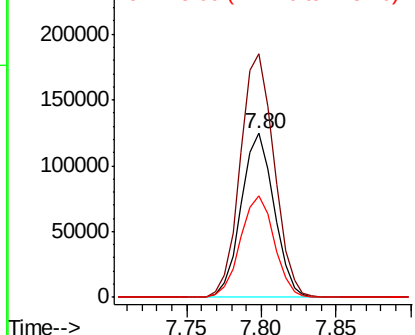
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 190426
Ion Ratio Lower Upper
152 100
150 148.3 119.8 179.8
115 61.5 50.8 76.2



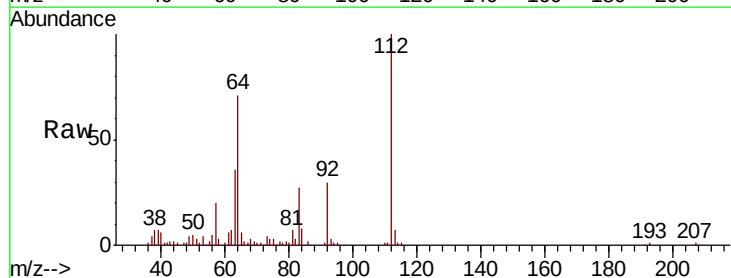
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



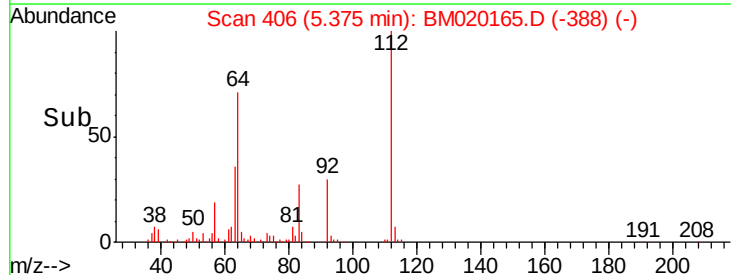
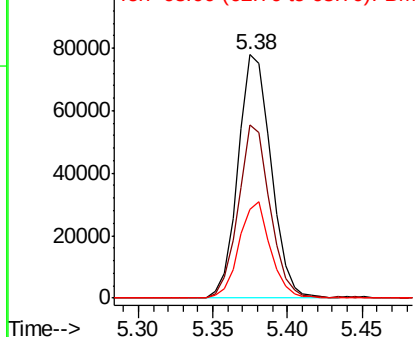
#5

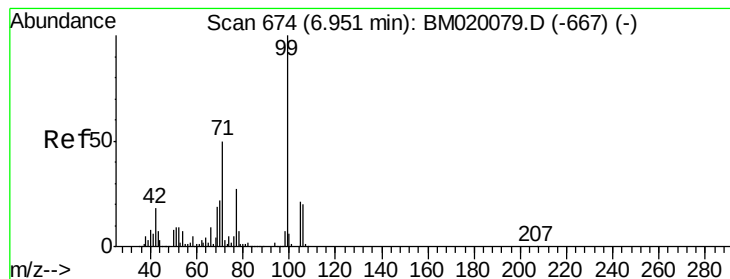
2-Fluorophenol
Concen: 10.268 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

Tgt Ion:112 Resp: 119625
Ion Ratio Lower Upper
112 100
64 71.2 53.8 80.6
63 36.4 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: 10.230 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

Instrument :

BNA_M

ClientSampleId :

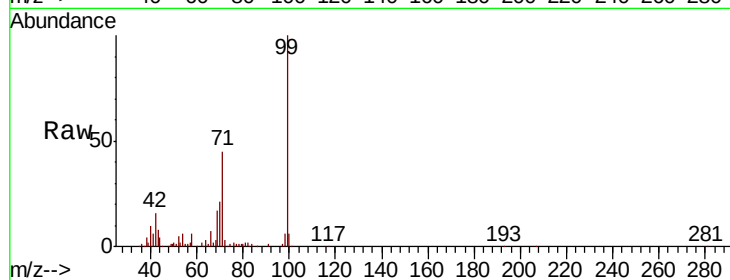
Tot Ion: 99 Resp: 162817

Ion Ratio Lower Upper

99 100

42 15.9 14.2 21.2

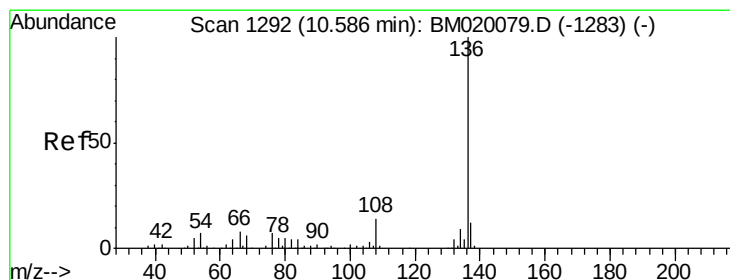
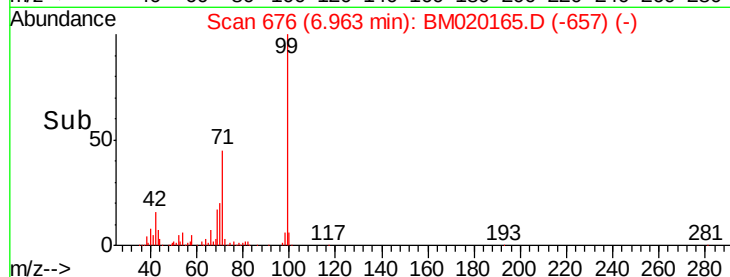
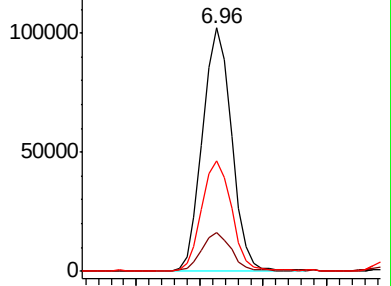
71 45.5 40.3 60.5



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: BM020165.D

Acq: 07 May 2019 11:52

Tgt Ion: 136 Resp: 667729

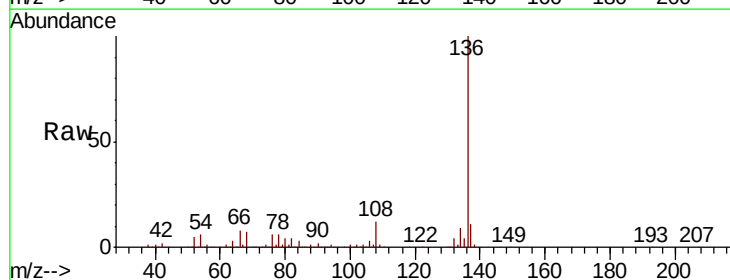
Ion Ratio Lower Upper

136 100

137 10.7 9.6 14.4

54 6.5 5.5 8.3

68 6.8 4.6 6.8

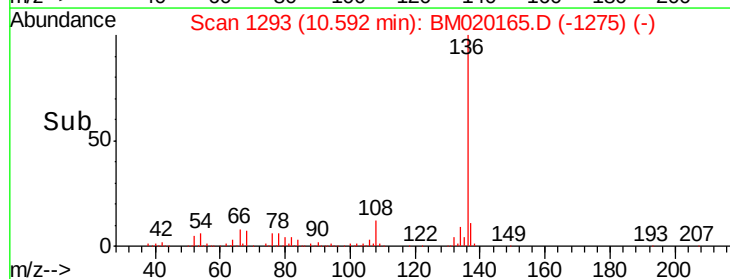
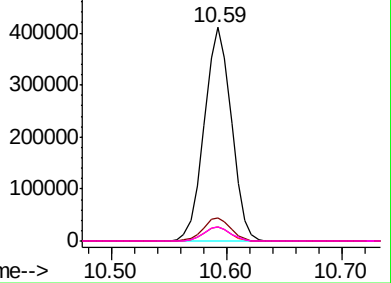


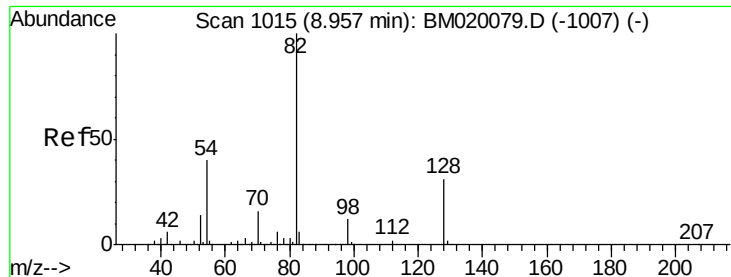
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

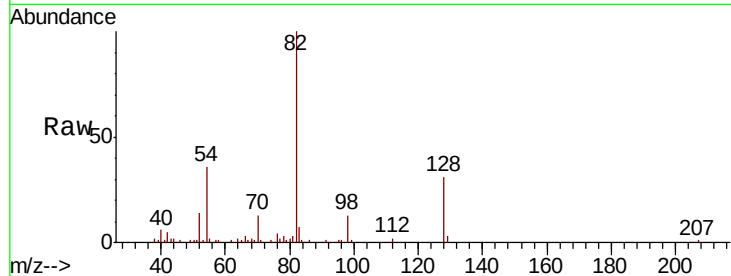




#23
Nitrobenzene-d5
Concen: 5.534 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

Instrument :
BNA_M
ClientSampleId :

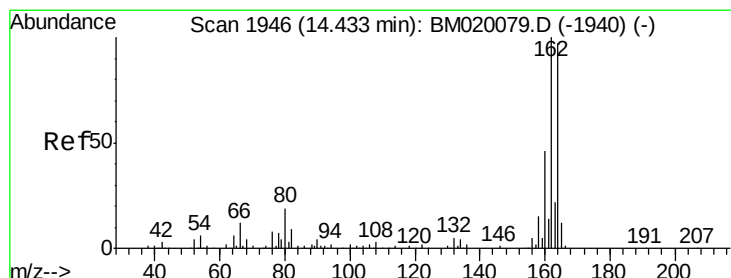
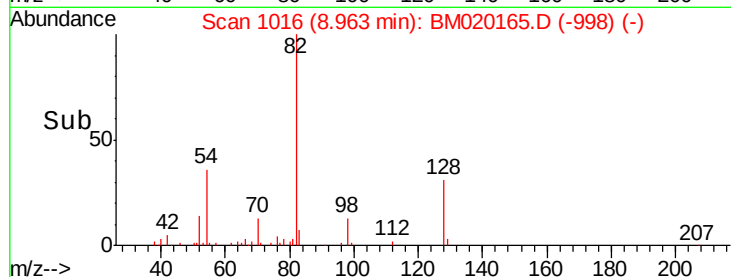
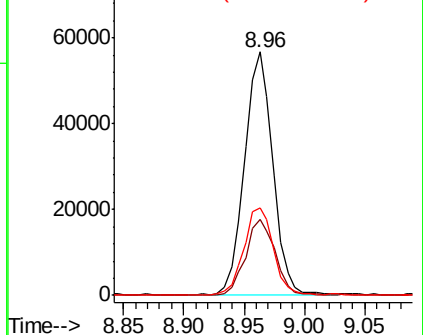
Tot Ion	82	Resp	93596
Ion Ratio	100	Lower	Upper
128	31.2	25.2	37.8
54	35.8	31.9	47.9



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

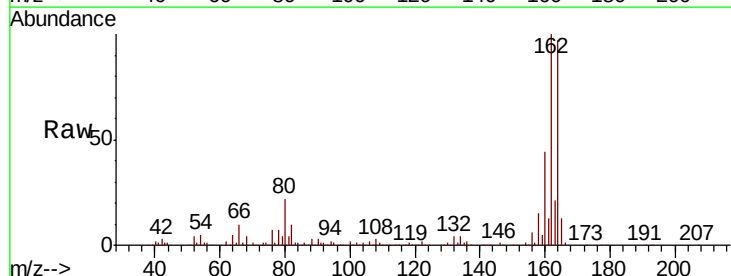
Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

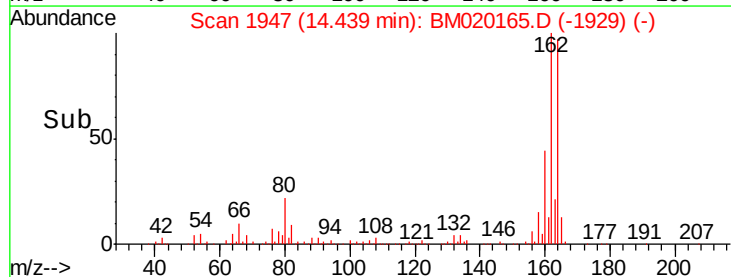
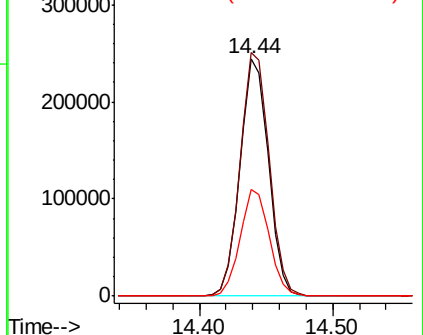
Tgt Ion	164	Resp	358762
Ion Ratio	100	Lower	Upper
162	102.6	82.2	123.2
160	45.1	37.6	56.4

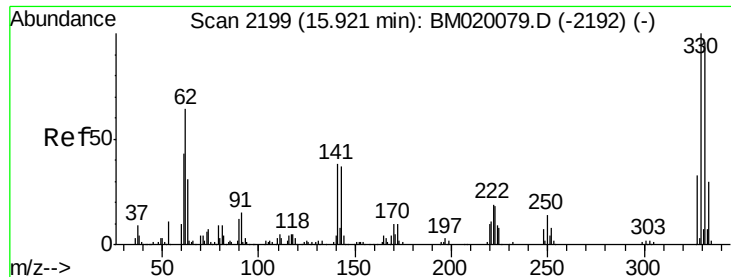


Abundance Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)

Ion 162.00 (161.70 to 162.70): BM020079.D (-1940) (-)

Ion 160.00 (159.70 to 160.70): BM020079.D (-1940) (-)

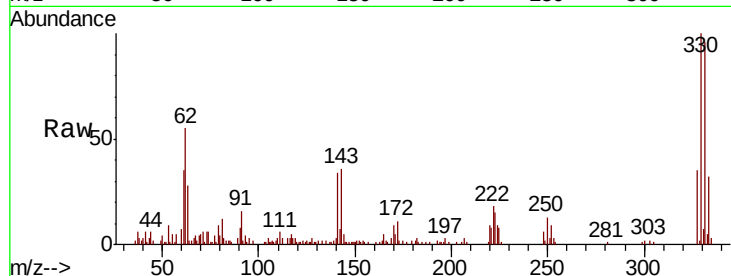




#42
 2,4,6-Tribromophenol
 Concen: 9.316 ng
 RT: 15.93 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BM020165.D
 Acq: 07 May 2019 11:52

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	38.5	29.2	43.8

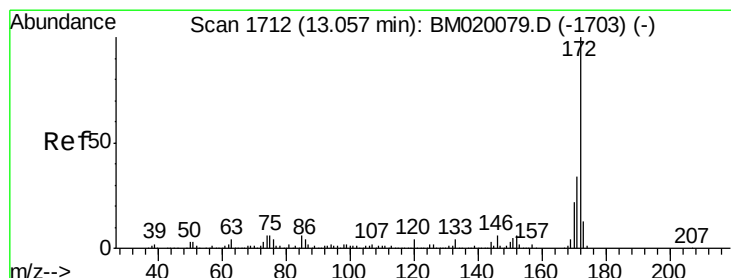
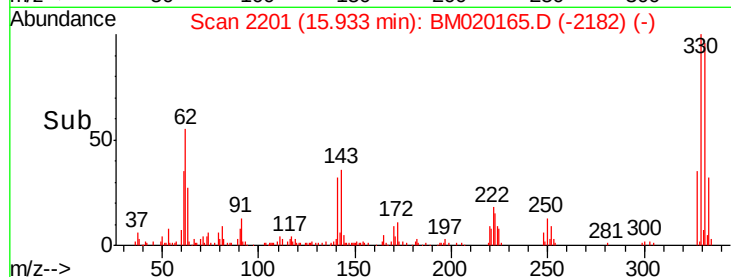
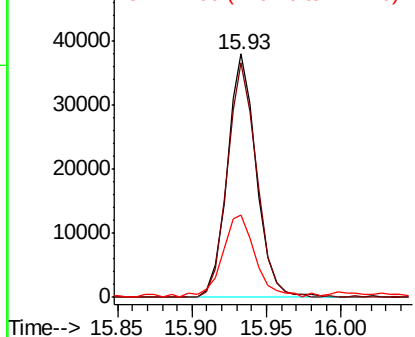


Abundance

Ion 329.80 (329.50 to 330.50): E

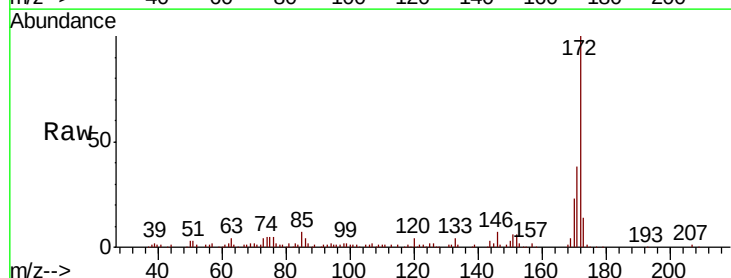
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 6.575 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM020165.D
 Acq: 07 May 2019 11:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	27.3	40.9
170	22.8	17.9	26.9

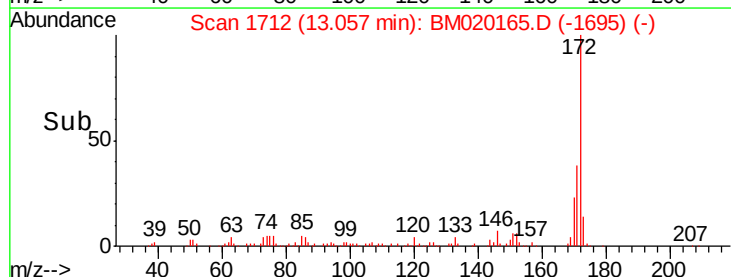
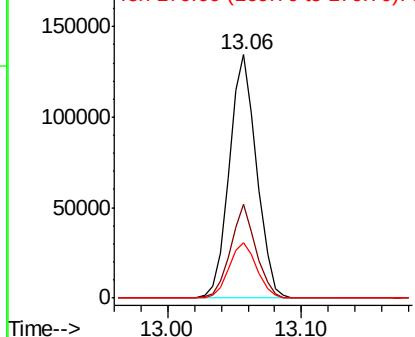


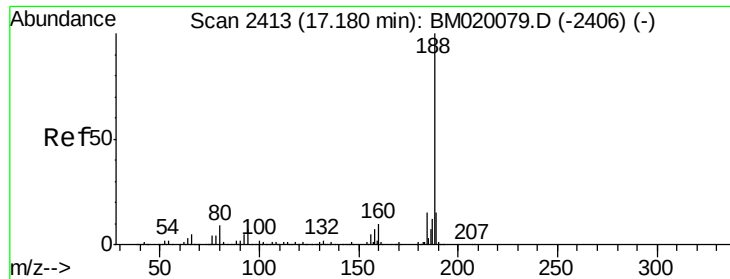
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

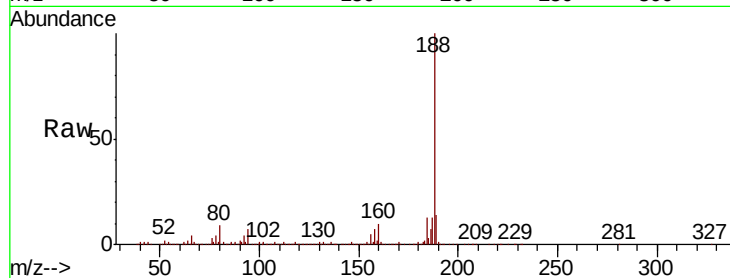




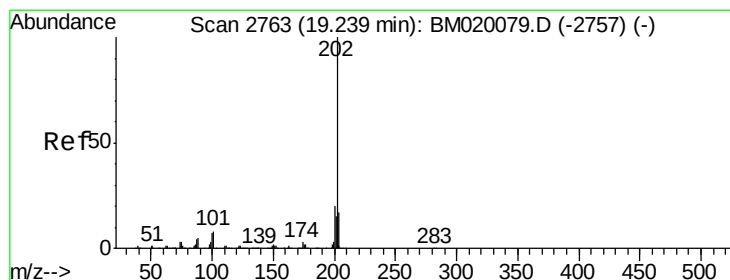
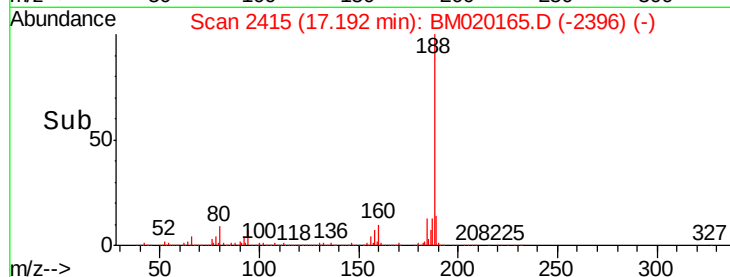
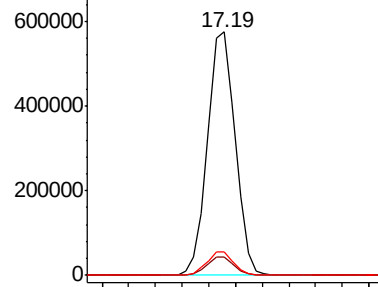
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	9.5	7.4	11.2

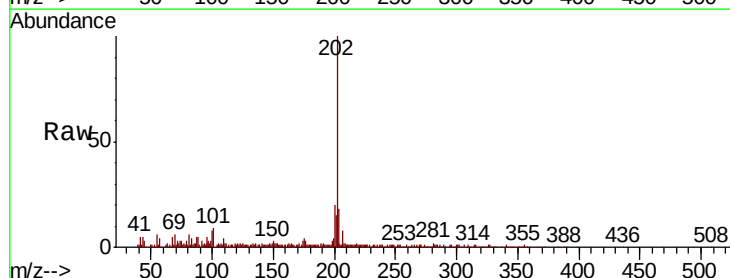


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

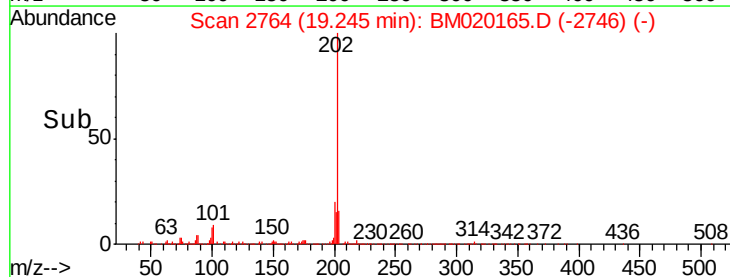
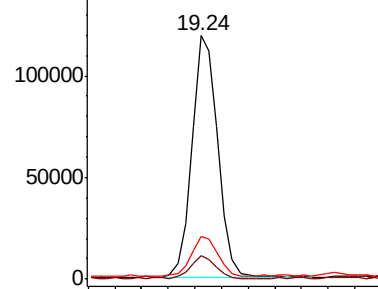


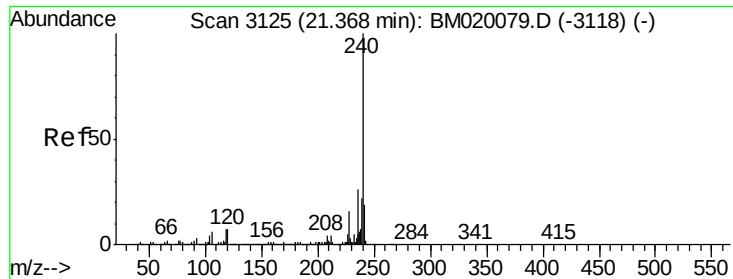
#75
Fluoranthene
Concen: 2.806 ng
RT: 19.24 min Scan# 2764
Delta R.T. 0.01 min
Lab File: BM020165.D
Acq: 07 May 2019 11:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	28.4
203	17.6	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: BM020165.D

Acq: 07 May 2019 11:52

Instrument :

BNA_M

ClientSampleId :

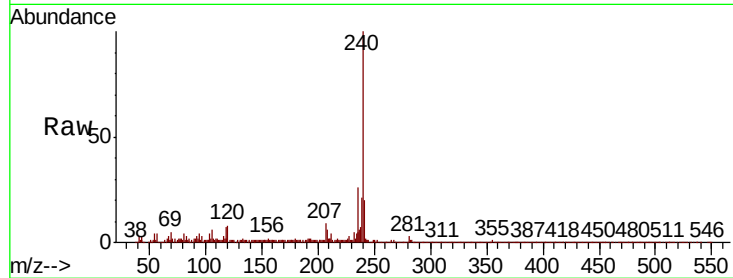
Tot Ion:240 Resp: 828230

Ion Ratio Lower Upper

240 100

120 7.7 5.6 8.4

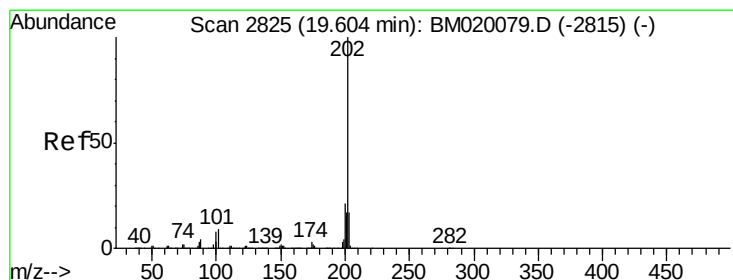
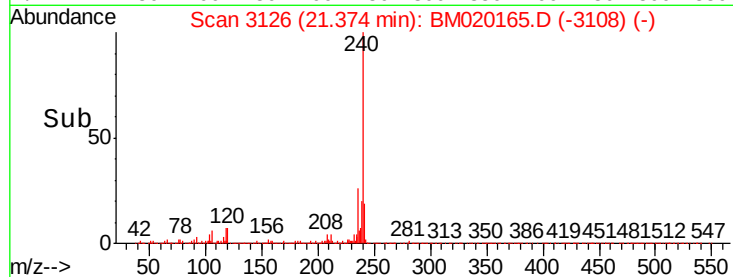
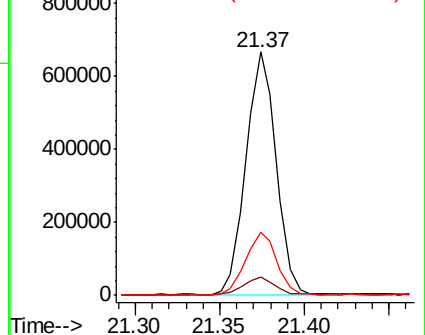
236 25.9 20.9 31.3



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: 2.709 ng

RT: 19.62 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

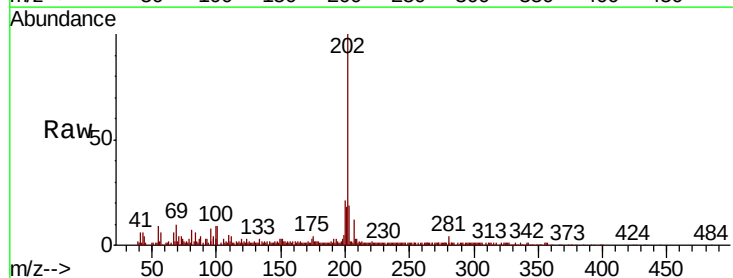
Tgt Ion:202 Resp: 150641

Ion Ratio Lower Upper

202 100

200 21.1 16.5 24.7

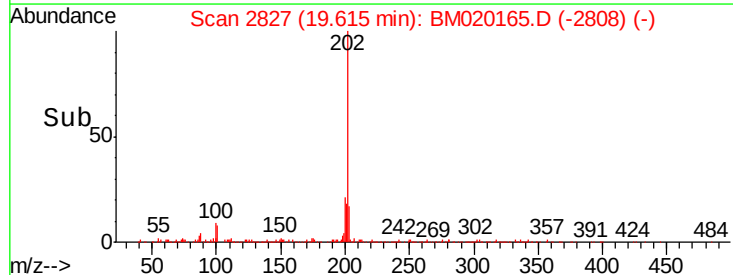
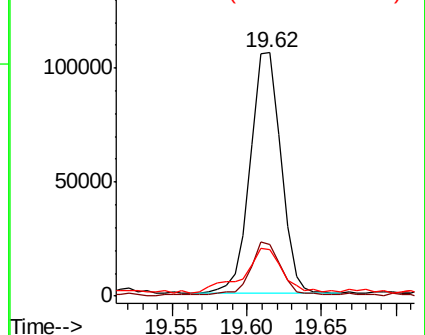
203 19.0 13.9 20.9

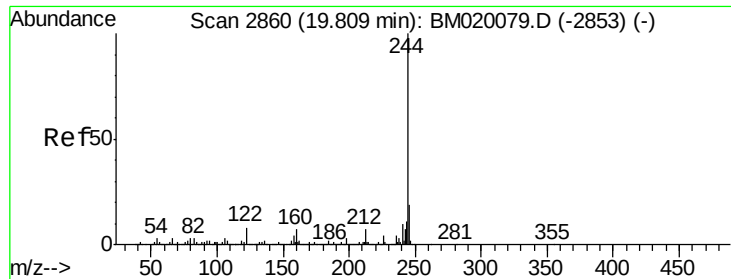


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 5.954 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

Instrument :

BNA_M

ClientSampleId :

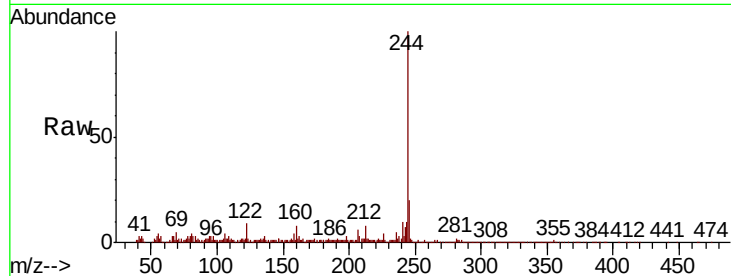
Tot Ion:244 Resp: 282713

Ion Ratio Lower Upper

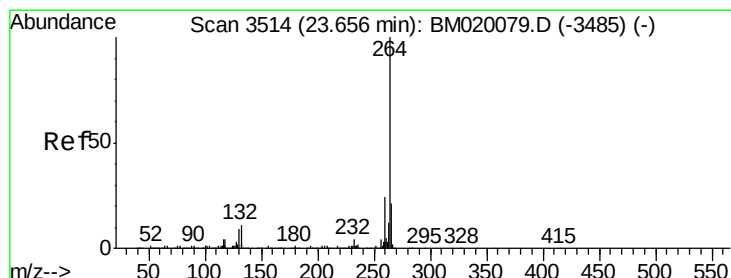
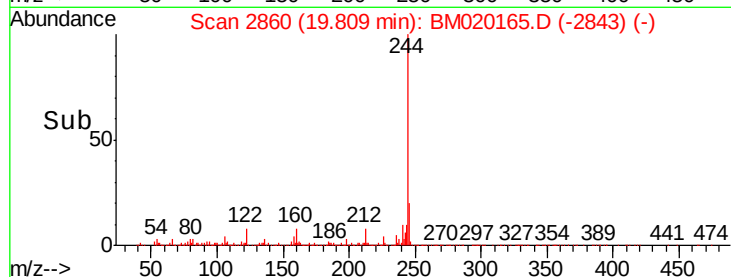
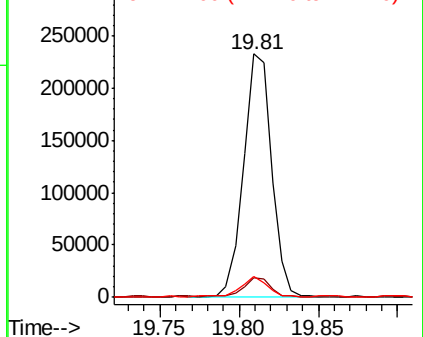
244 100

212 8.3 5.7 8.5

122 8.8 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

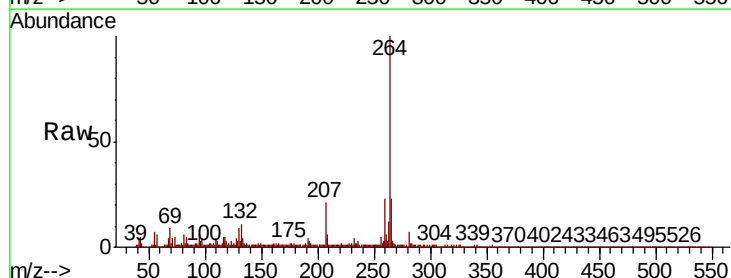
Tgt Ion:264 Resp: 973607

Ion Ratio Lower Upper

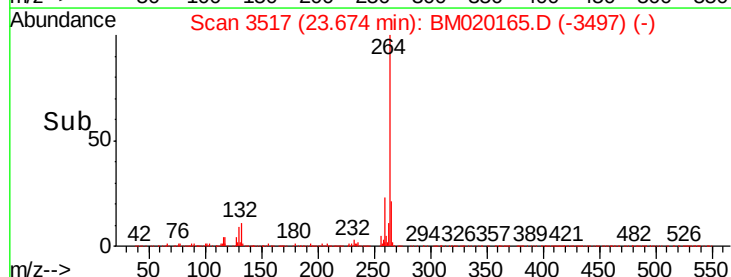
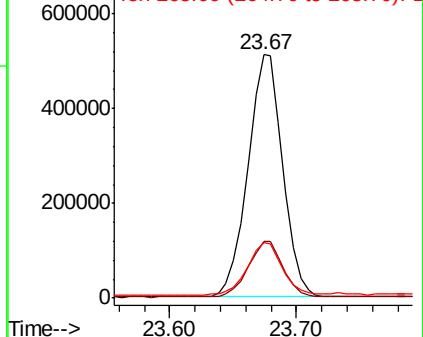
264 100

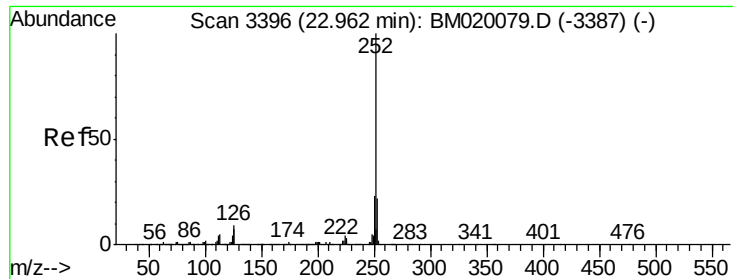
260 23.5 19.2 28.8

265 22.7 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: 3.027 ng

RT: 22.98 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

Instrument :

BNA_M

ClientSampled :

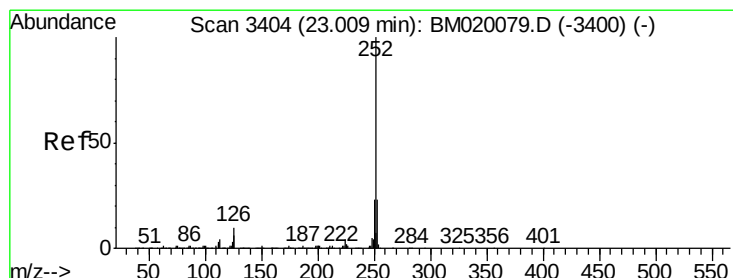
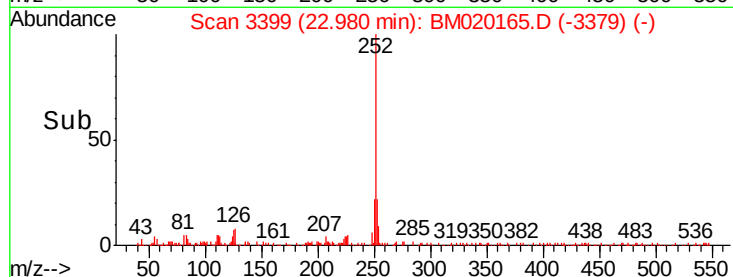
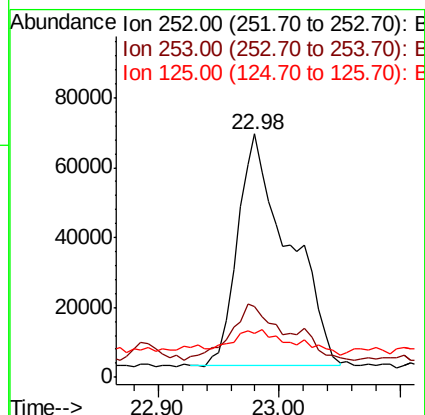
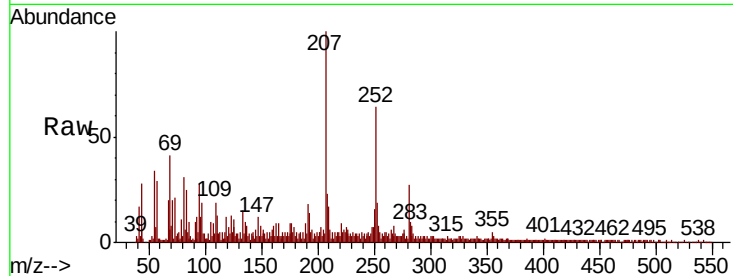
Tot Ion:252 Resp: 194611

Ion Ratio Lower Upper

252 100

253 29.1 17.5 26.3#

125 18.0 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 3.354 ng

RT: 22.98 min Scan# 3399

Delta R.T. -0.03 min

Lab File: BM020165.D

Acq: 07 May 2019 11:52

Tgt Ion:252 Resp: 196678

Ion Ratio Lower Upper

252 100

253 29.1 17.8 26.8#

125 18.0 5.4 8.0#

