

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020135.D
 Acq On : 06 May 2019 14:48
 Operator : JU/SJ
 Sample : K2647-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-04-050219-A

Quant Time: May 07 03:30:19 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	133286	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	517810	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	309020	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	719121	20.00	ng	0.00
76) Chrysene-d12	21.36	240	750323	20.00	ng	0.00
87) Perylene-d12	23.66	264	880864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	446694	54.78	ng	0.00
7) Phenol-d6	6.95	99	657526	59.03	ng	0.00
23) Nitrobenzene-d5	8.95	82	446898	34.07	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	256371	53.45	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	831611	33.11	ng	0.00
79) Terphenyl-d14	19.80	244	1257467	29.23	ng	0.00

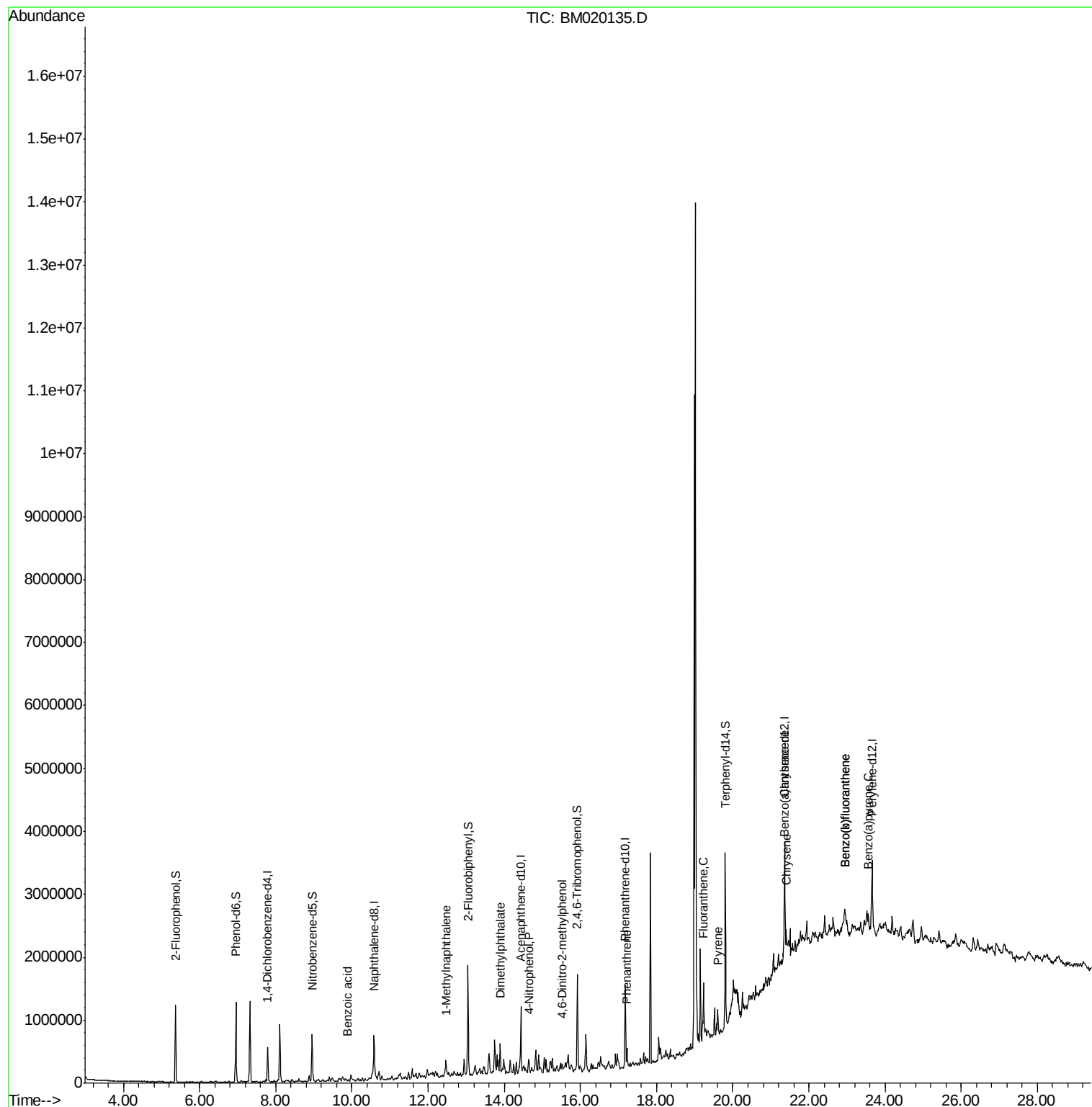
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.88	122	115	6.631	ng	# 1
38) 1-Methylnaphthalene	12.47	142	105058	5.484	ng	99
50) Dimethylphthalate	13.89	163	89947	3.425	ng	99
56) 4-Nitrophenol	14.64	139	11569	2.641	ng	# 29
65) 4,6-Dinitro-2-methylphenol	15.52	198	124	7.191	ng	# 1
71) Phenanthrene	17.22	178	163743	4.125	ng	97
75) Fluoranthene	19.24	202	226766	4.515	ng	95
78) Pyrene	19.60	202	236731	4.699	ng	98
81) Benzo(a)anthracene	21.35	228	149428	2.840	ng	# 85
83) Chrysene	21.40	228	140081	2.745	ng	# 85
88) Benzo(b)fluoranthene	22.96	252	201159	3.458	ng	# 75
89) Benzo(k)fluoranthene	22.96	252	194428	3.664	ng	# 76
90) Benzo(a)pyrene	23.56	252	140393	2.657	ng	# 71

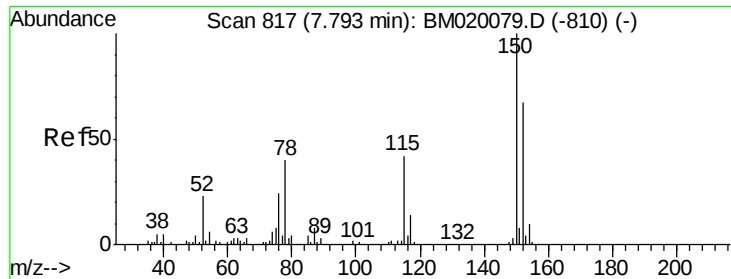
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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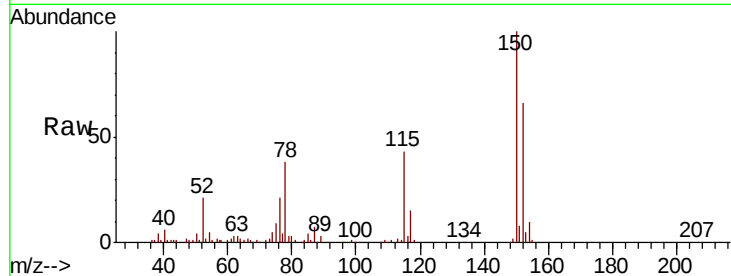


#1

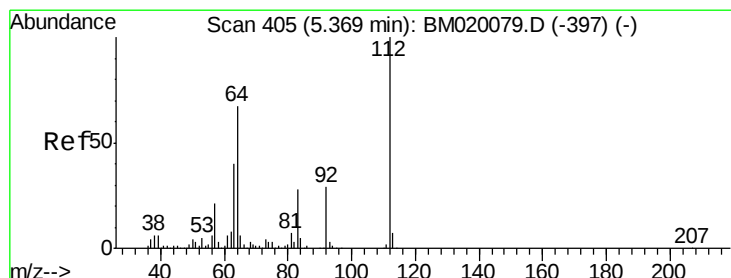
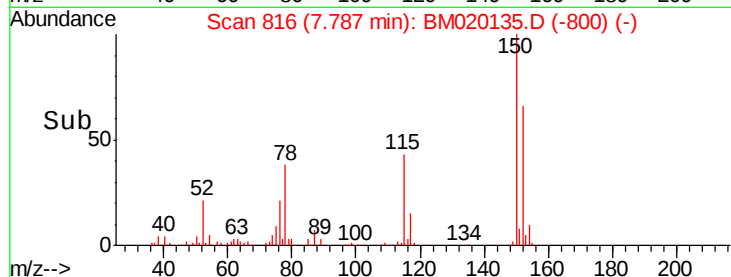
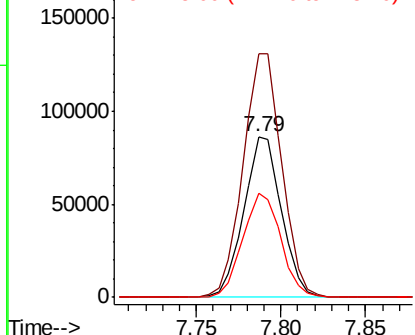
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Instrument :
BNA_M
ClientSampleId :
SU-04-050219-A

Tgt Ion:152 Resp: 133286
Ion Ratio Lower Upper
152 100
150 151.7 119.8 179.8
115 65.0 50.8 76.2



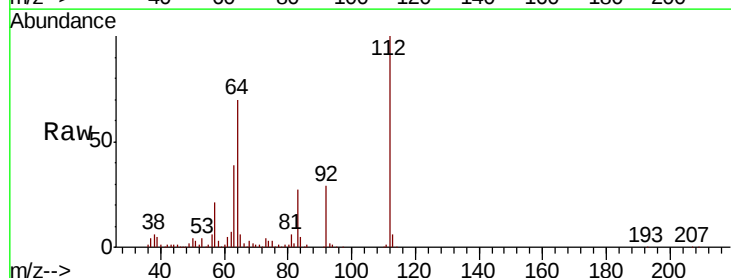
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



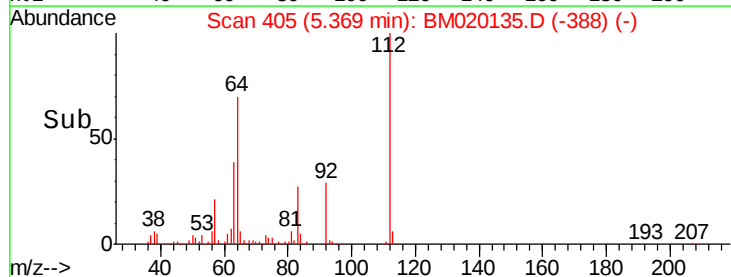
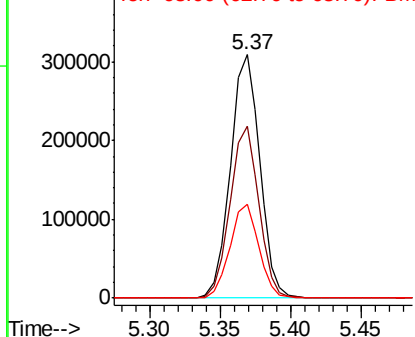
#5

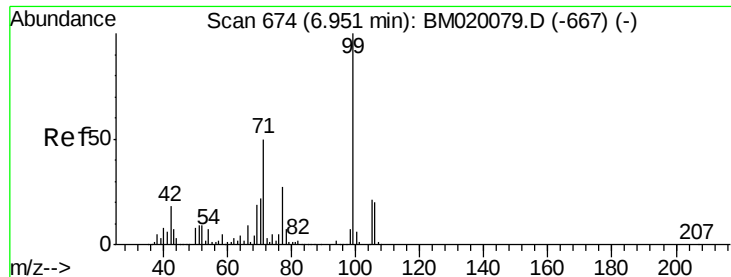
2-Fluorophenol
Concen: 54.782 ng
RT: 5.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:112 Resp: 446694
Ion Ratio Lower Upper
112 100
64 70.5 53.8 80.6
63 38.7 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 59.026 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

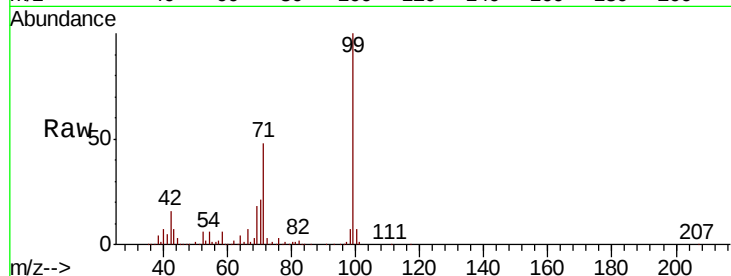
Tgt Ion: 99 Resp: 657526

Ion Ratio Lower Upper

99 100

42 16.1 14.2 21.2

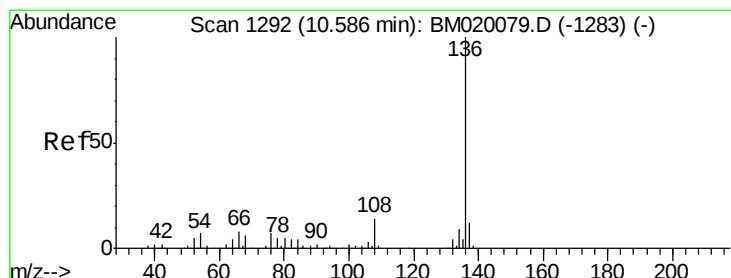
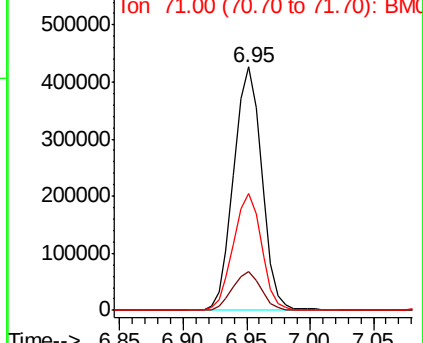
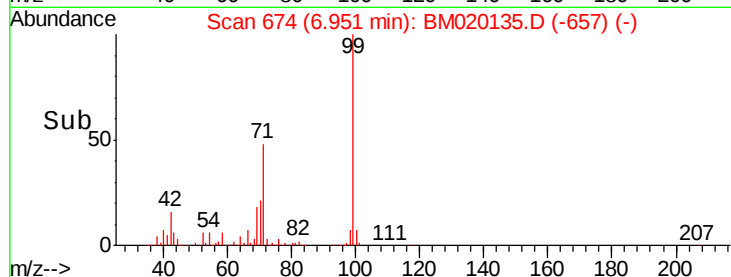
71 48.1 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020135.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020135.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020135.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Tgt Ion: 136 Resp: 517810

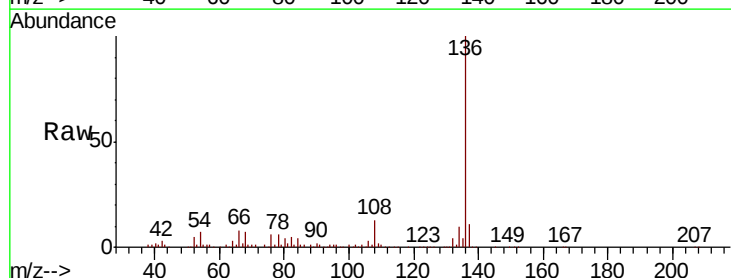
Ion Ratio Lower Upper

136 100

137 10.5 9.6 14.4

54 6.9 5.5 8.3

68 6.6 4.6 6.8

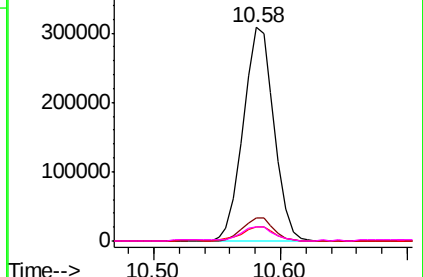
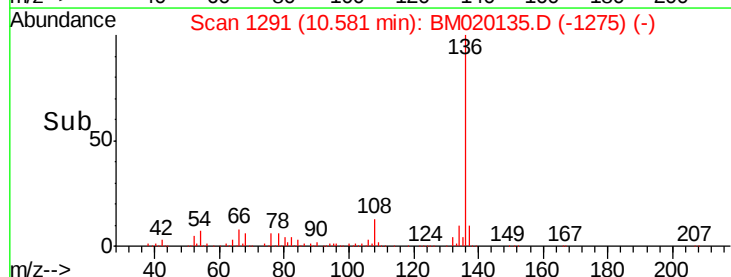


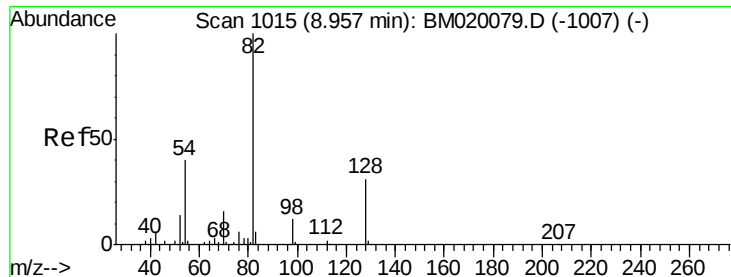
Abundance Ion 136.00 (135.70 to 136.70): BM020135.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020135.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020135.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020135.D (-1275) (-)

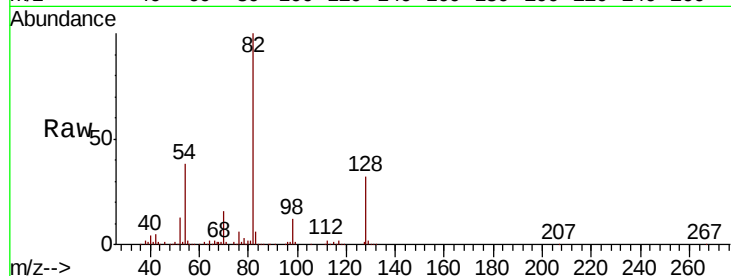




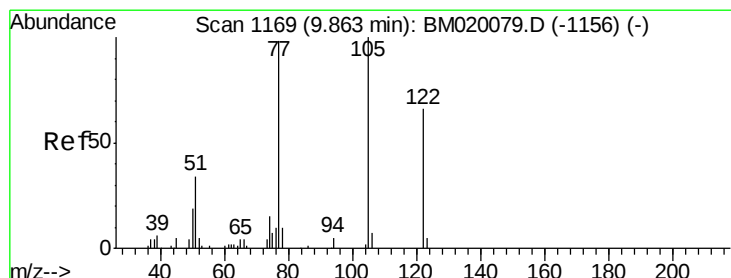
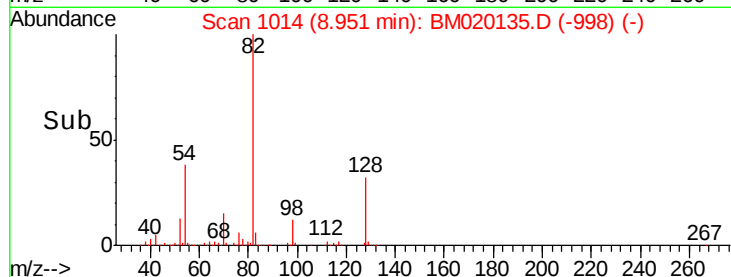
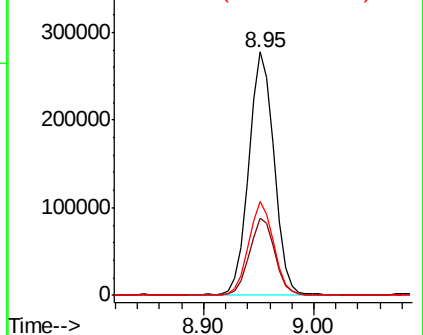
#23
 Nitrobenzene-d5
 Concen: 34.073 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

Instrument :
 BNA_M
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 SU-04-050219-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.7	25.2	37.8
54	38.3	31.9	47.9

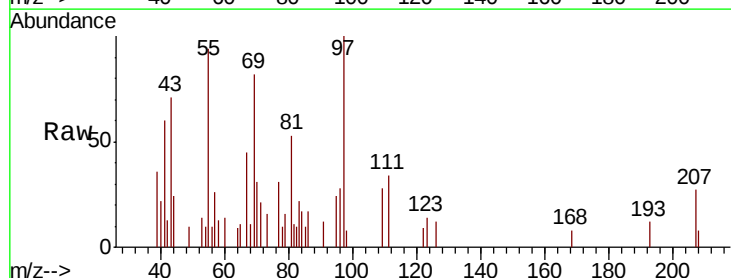


Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

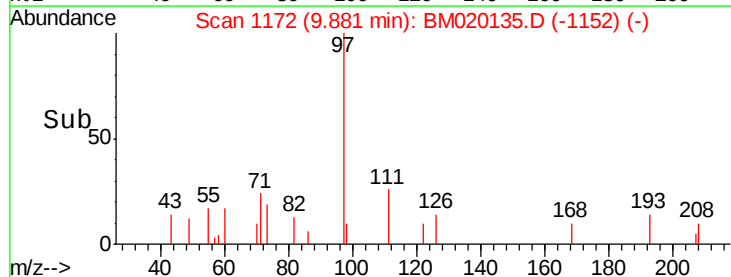
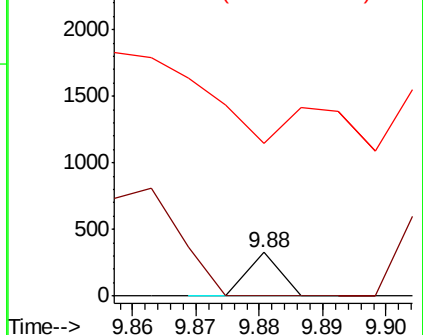


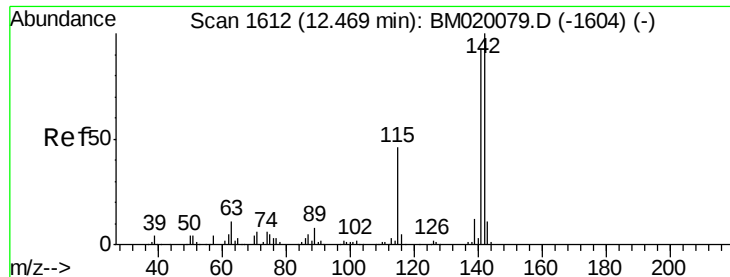
#32
 Benzoic acid
 Concen: 6.631 ng
 RT: 9.88 min Scan# 1172
 Delta R.T. 0.02 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	122.5	162.5#
77	351.4	123.3	163.3#



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

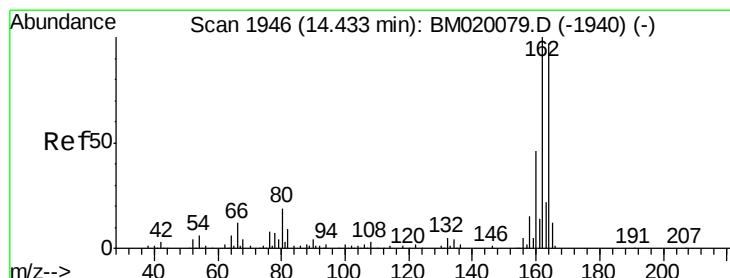
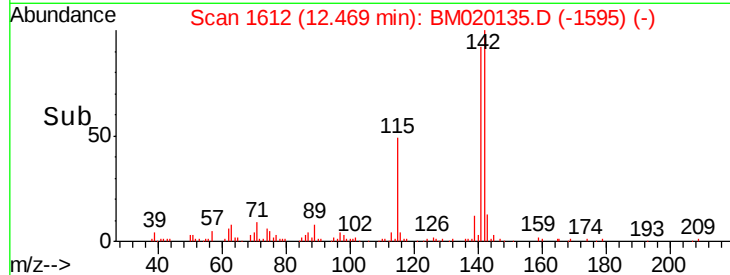
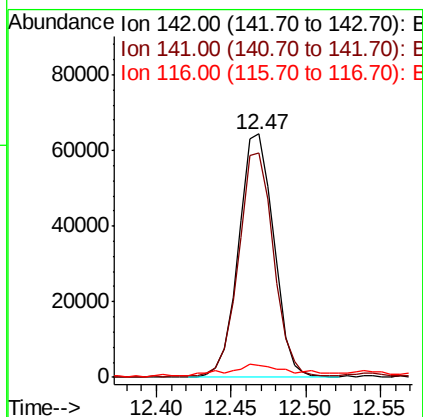
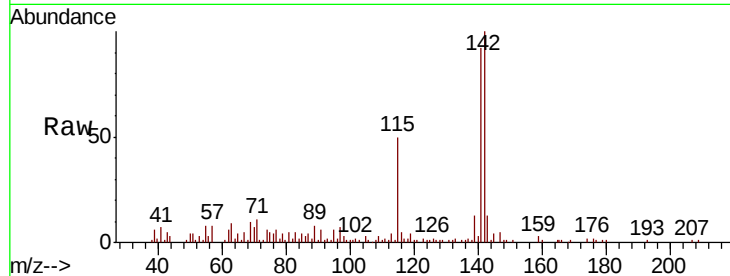




#38
 1-Methylnaphthalene
 Concen: 5.484 ng
 RT: 12.47 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

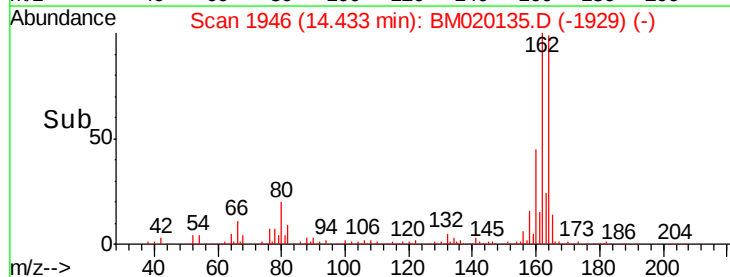
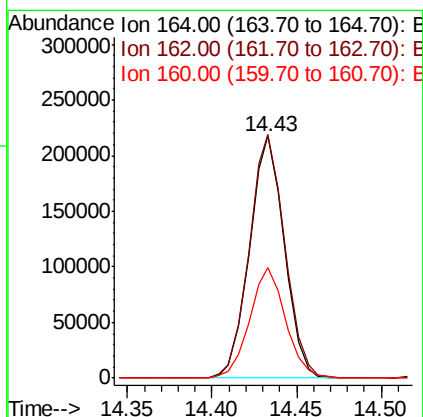
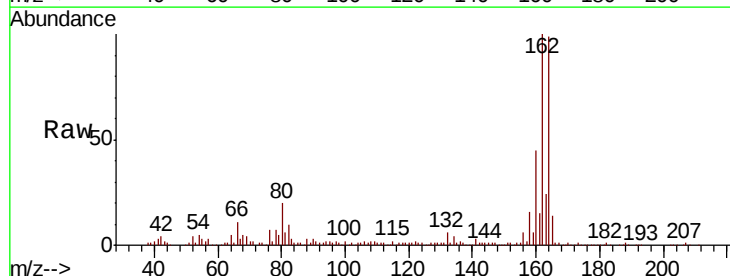
Instrument :
 BNA_M
 ClientSampleId :
 SU-04-050219-A

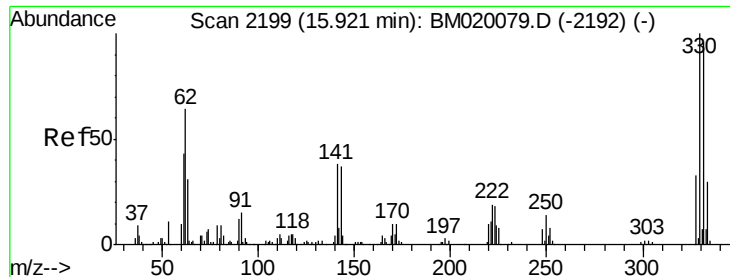
Tgt Ion:142 Resp: 105058
 Ion Ratio Lower Upper
 142 100
 141 92.3 74.8 112.2
 116 4.8 3.9 5.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

Tgt Ion:164 Resp: 309020
 Ion Ratio Lower Upper
 164 100
 162 100.6 82.2 123.2
 160 45.5 37.6 56.4

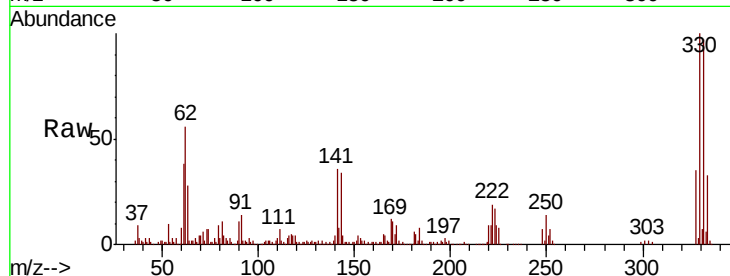




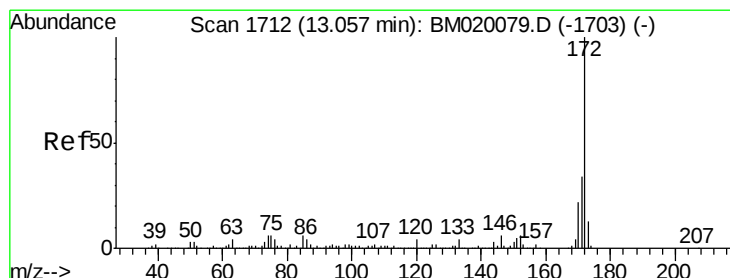
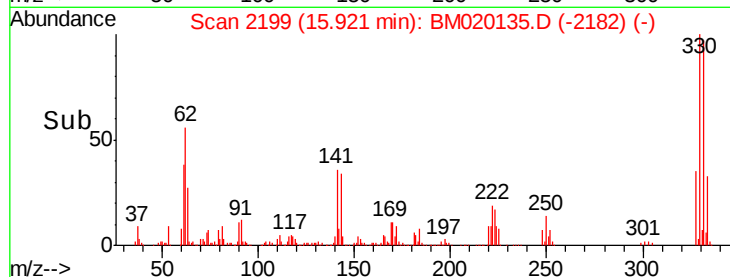
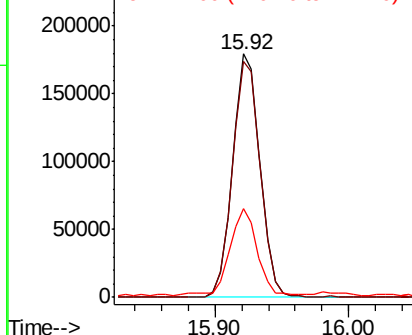
#42
 2,4,6-Tribromophenol
 Concen: 53.449 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

Instrument :
 BNA_M
 ClientSampleId :
 SU-04-050219-A

Tgt Ion:330 Resp: 256371
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.8 115.2
 141 35.4 29.2 43.8

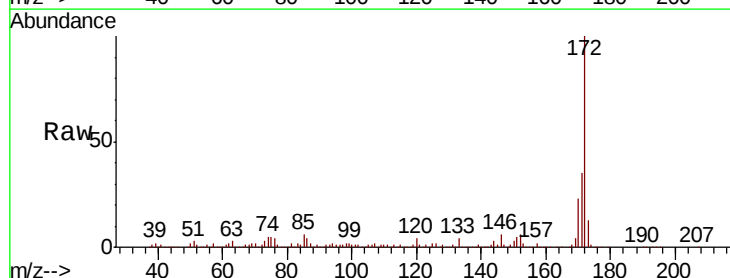


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

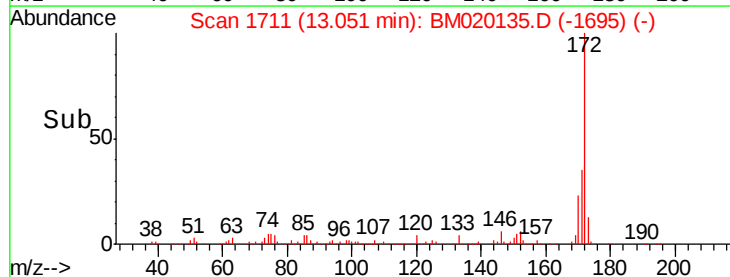
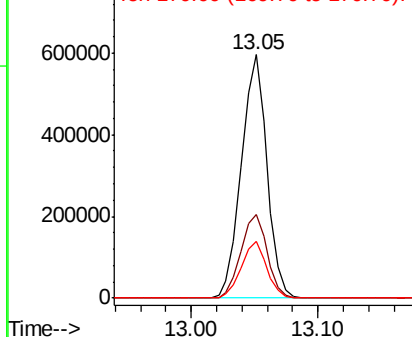


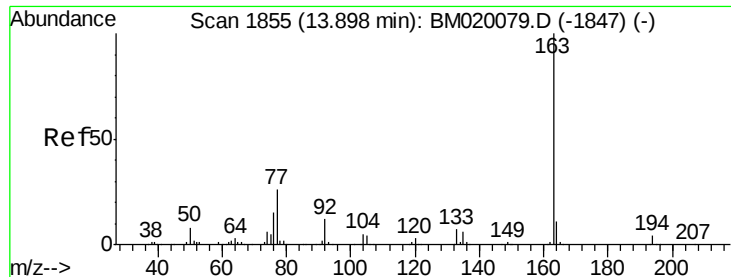
#45
 2-Fluorobiphenyl
 Concen: 33.111 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

Tgt Ion:172 Resp: 831611
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.3 40.9
 170 23.1 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: 3.425 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

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ClientSampleId :

SU-04-050219-A

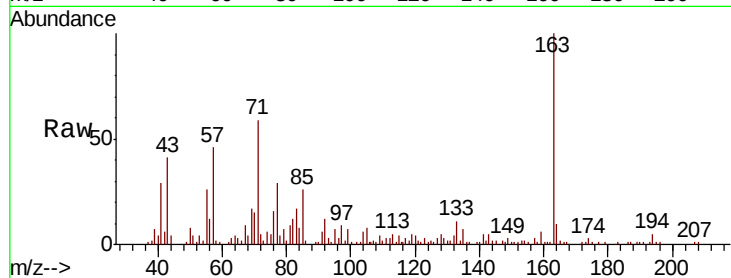
Tgt Ion:163 Resp: 89947

Ion Ratio Lower Upper

163 100

194 5.3 3.6 5.4

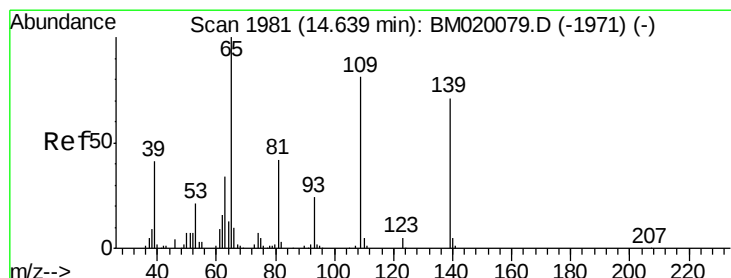
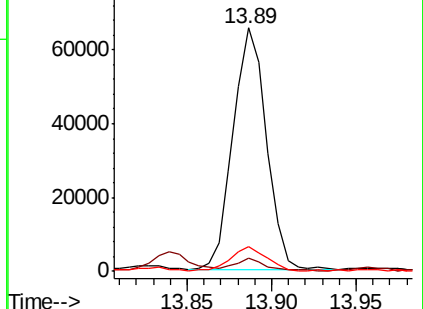
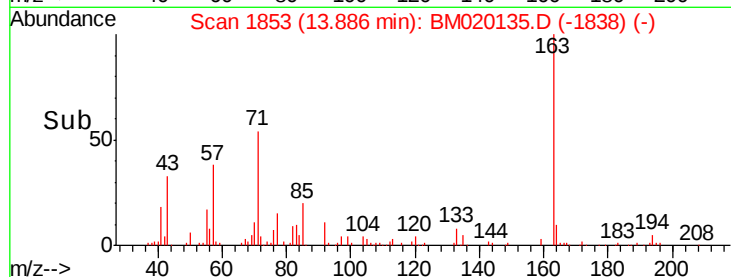
164 10.4 8.4 12.6



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



#56

4-Nitrophenol

Concen: 2.641 ng

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

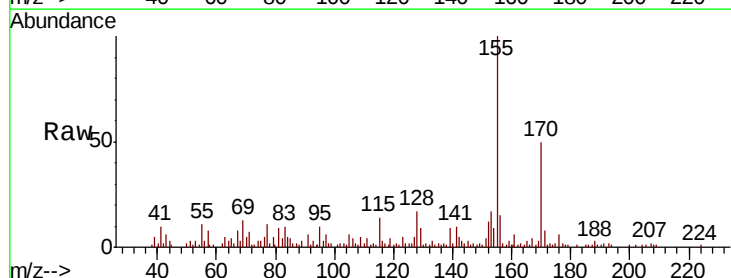
Tgt Ion:139 Resp: 11569

Ion Ratio Lower Upper

139 100

109 50.6 94.1 134.1#

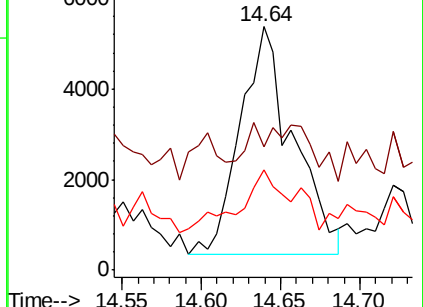
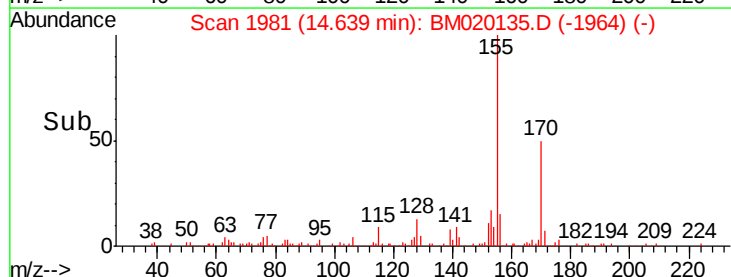
65 41.3 120.9 160.9#

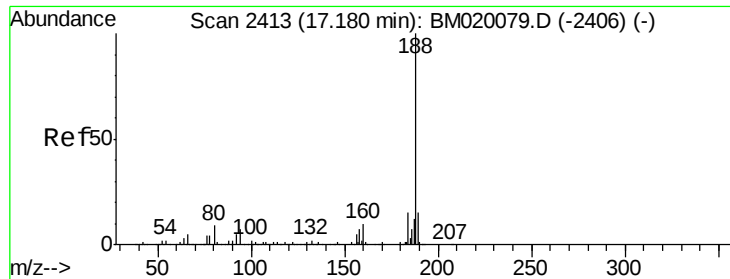


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

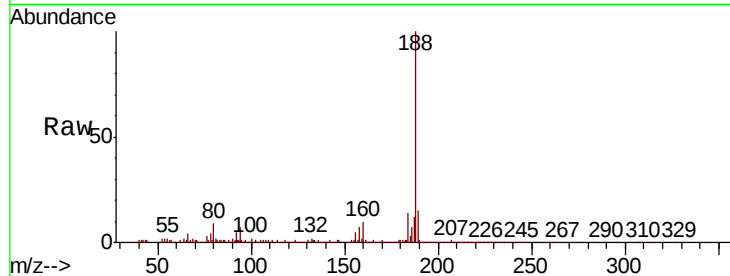




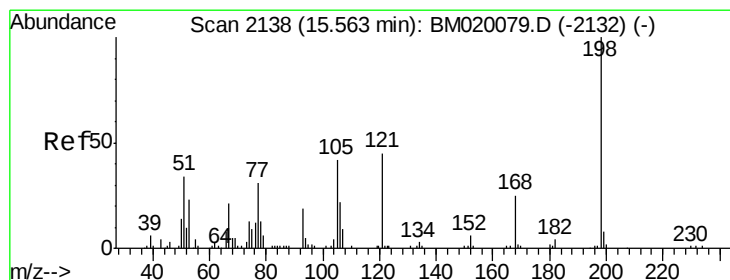
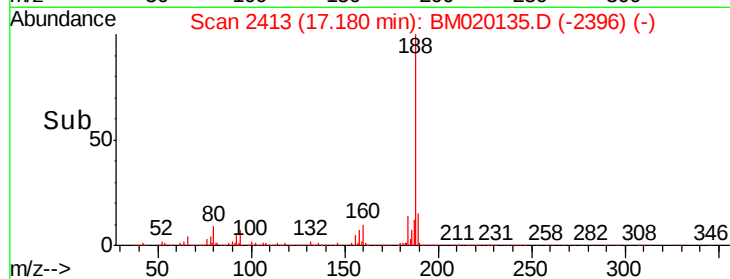
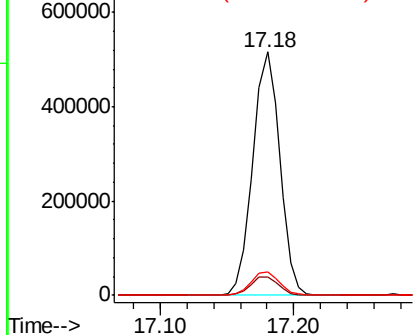
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Instrument :
BNA_M
ClientSampleId :
SU-04-050219-A

Tgt Ion:188 Resp: 719121
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 9.5 7.4 11.2

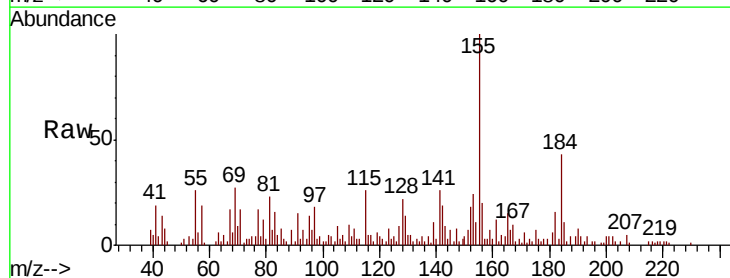


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

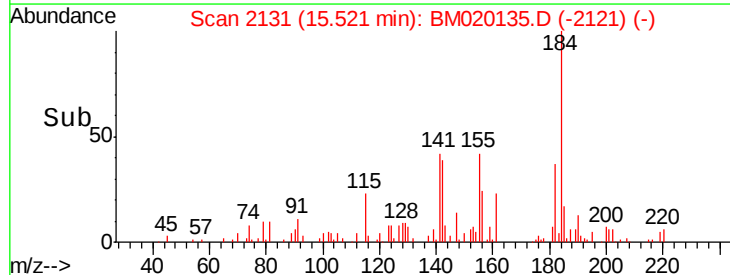
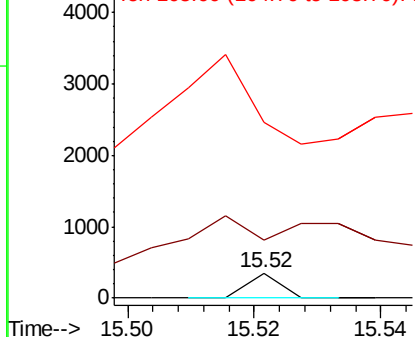


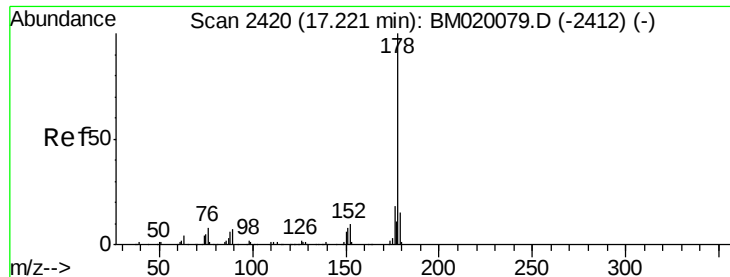
#65
4,6-Dinitro-2-methylphenol
Concen: 7.191 ng
RT: 15.52 min Scan# 2131
Delta R.T. -0.04 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:198 Resp: 124
Ion Ratio Lower Upper
198 100
51 233.5 16.5 56.5#
105 700.0 22.8 62.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM0
Ion 105.00 (104.70 to 105.70): E

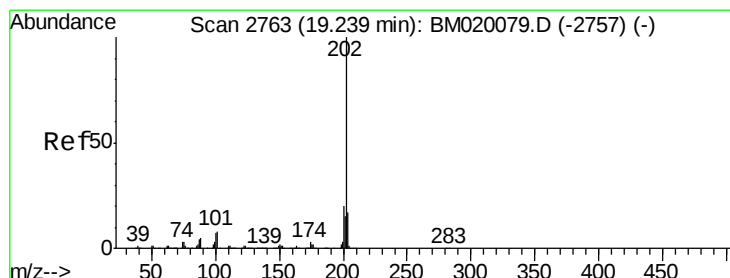
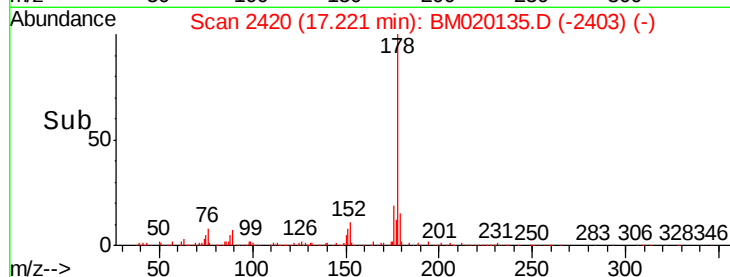
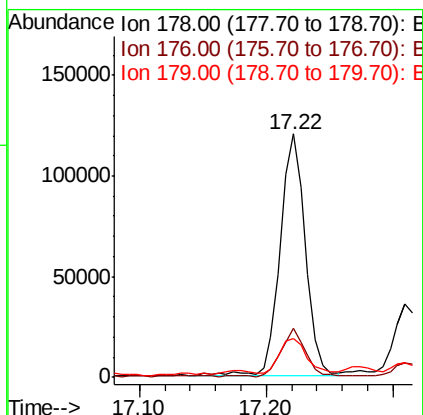
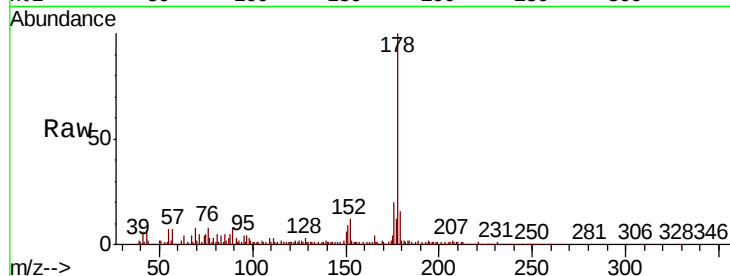




#71
Phenanthrene
Concen: 4.125 ng
RT: 17.22 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

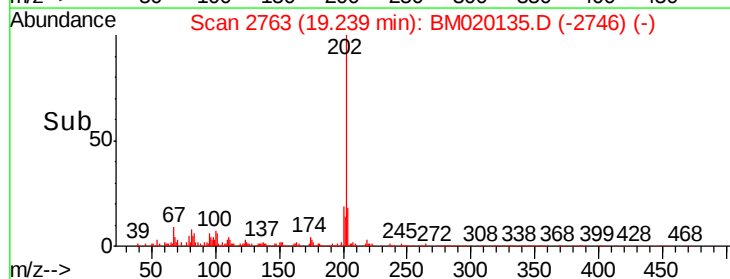
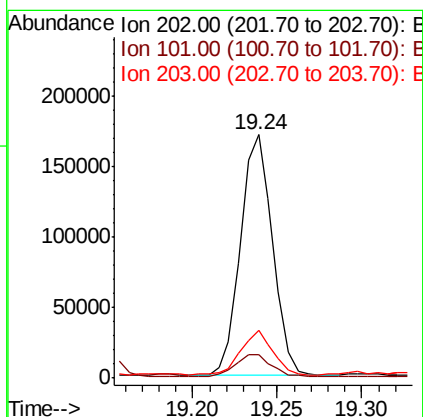
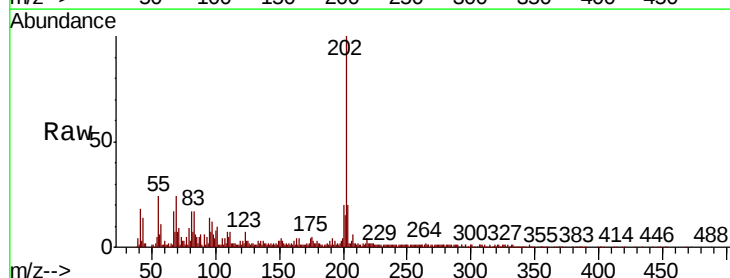
Instrument :
BNA_M
ClientSampleId :
SU-04-050219-A

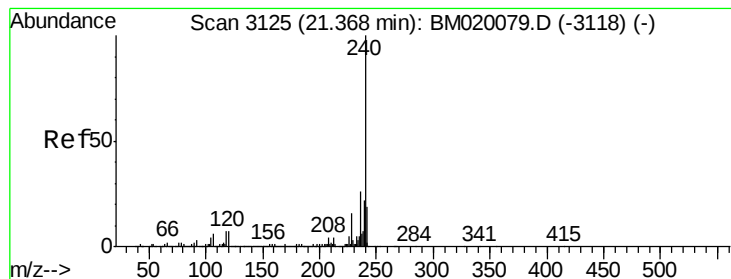
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	21.8
179	16.1	12.4	18.6



#75
Fluoranthene
Concen: 4.515 ng
RT: 19.24 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	28.4
203	19.8	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

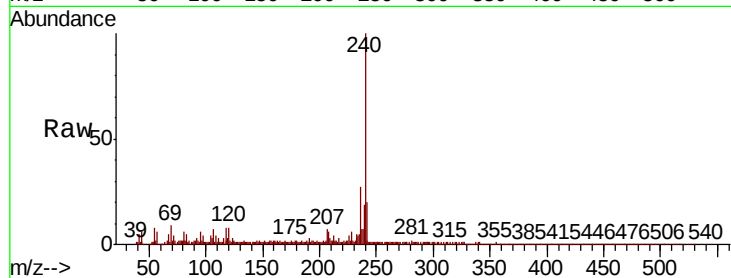
Tgt Ion:240 Resp: 750323

Ion Ratio Lower Upper

240 100

120 8.0 5.6 8.4

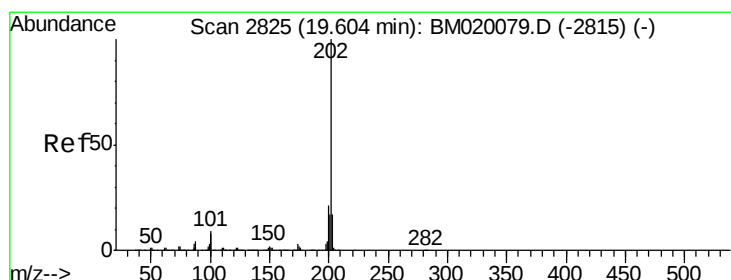
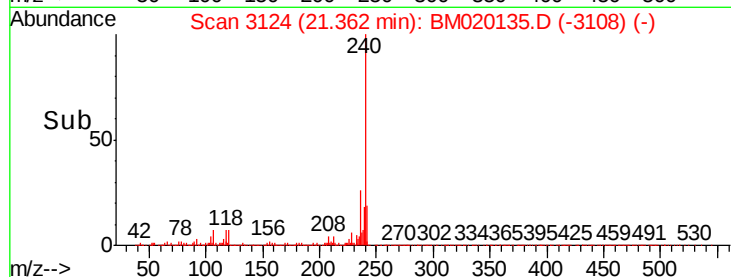
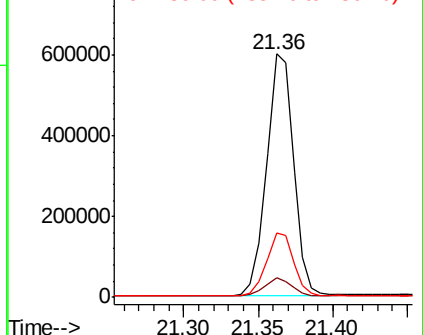
236 26.7 20.9 31.3



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: 4.699 ng

RT: 19.60 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

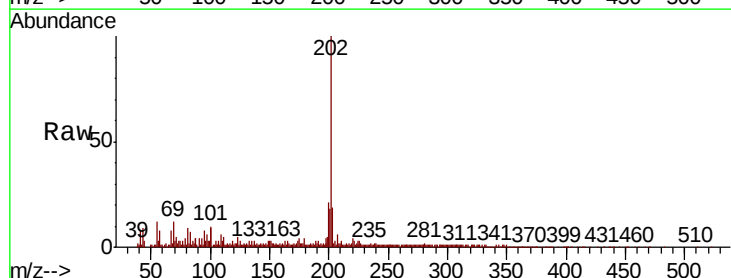
Tgt Ion:202 Resp: 236731

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

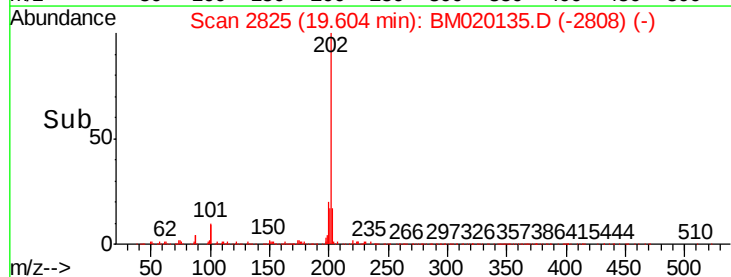
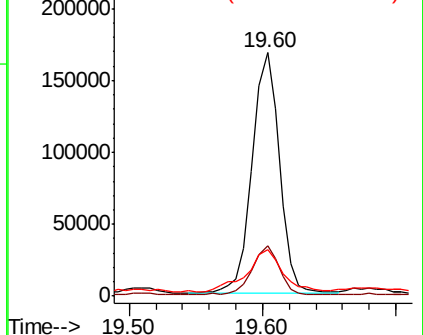
203 18.9 13.9 20.9

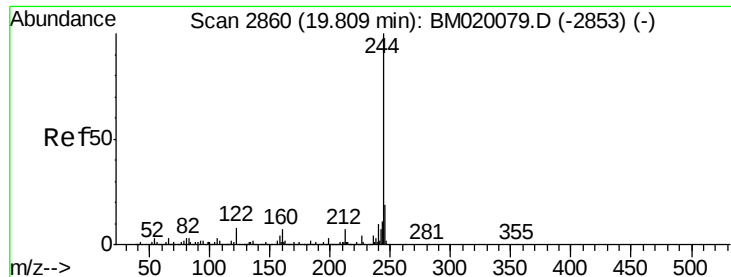


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.231 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

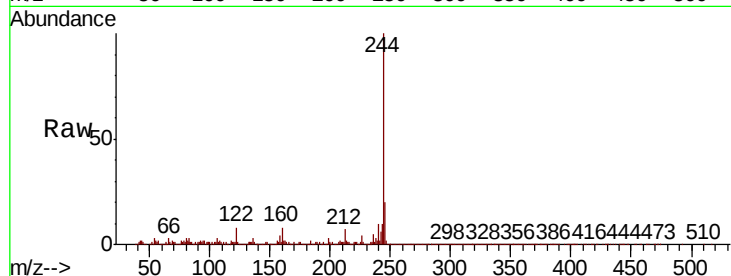
Tgt Ion:244 Resp: 1257467

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

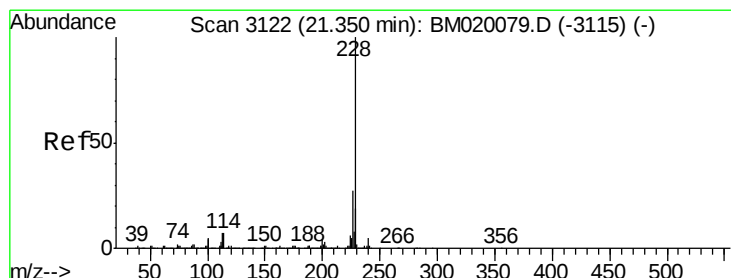
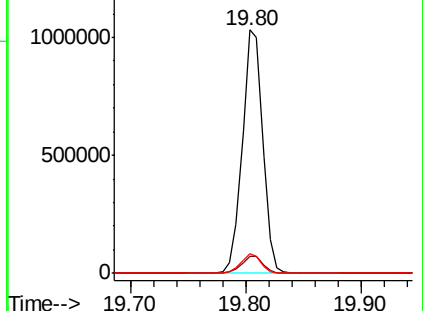
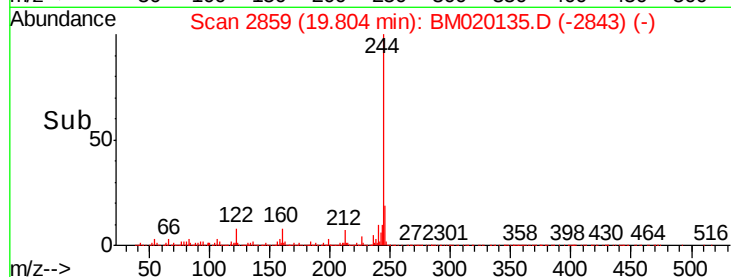
122 7.9 6.2 9.2



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: 2.840 ng

RT: 21.35 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

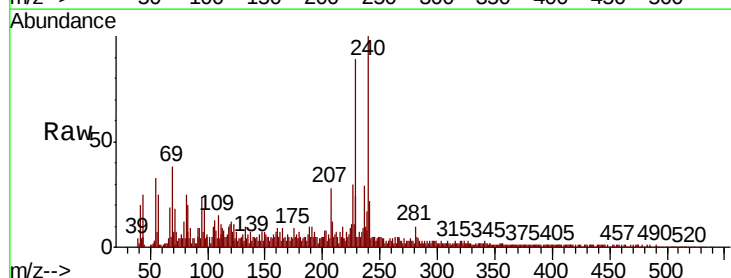
Tgt Ion:228 Resp: 149428

Ion Ratio Lower Upper

228 100

226 33.5 21.3 31.9#

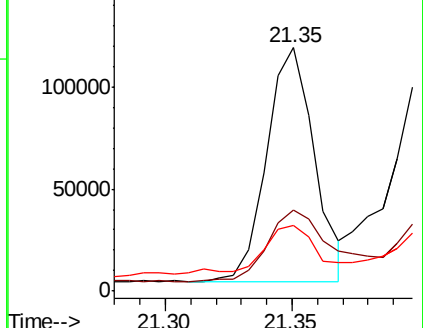
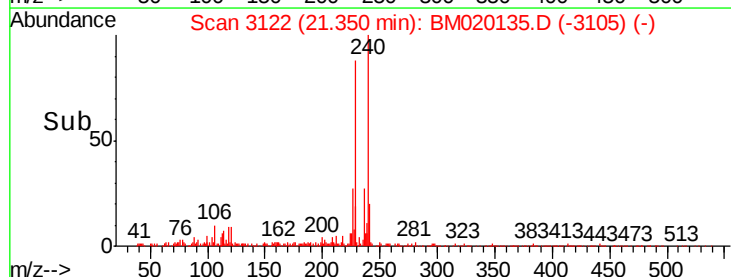
229 27.1 15.5 23.3#

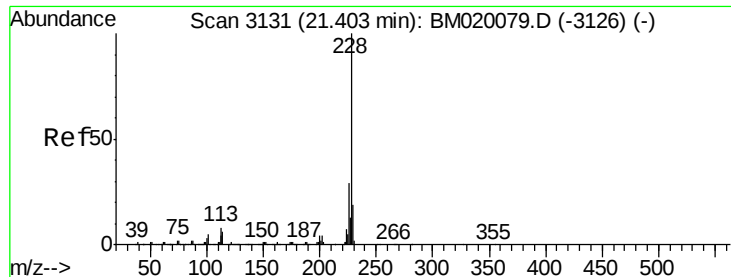


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.745 ng

RT: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

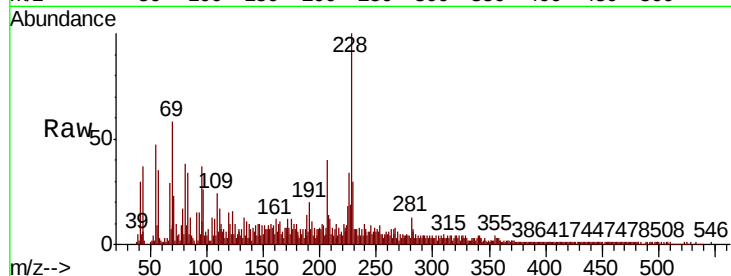
Tgt Ion:228 Resp: 140081

Ion Ratio Lower Upper

228 100

226 34.4 23.0 34.6

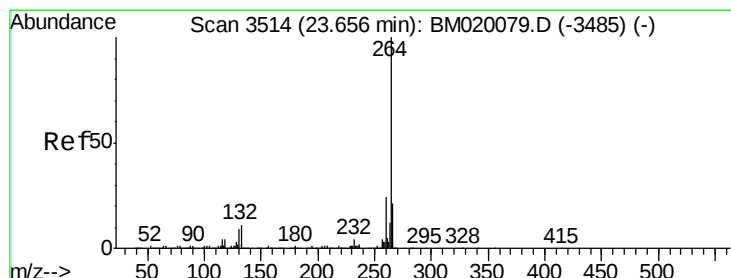
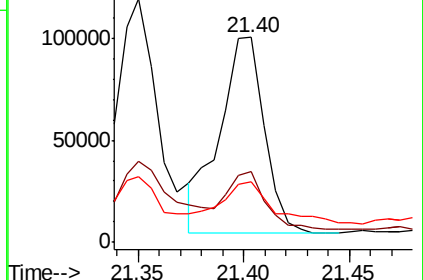
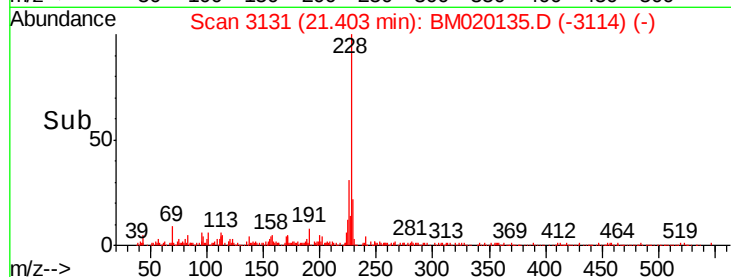
229 29.7 15.5 23.3#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3514

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

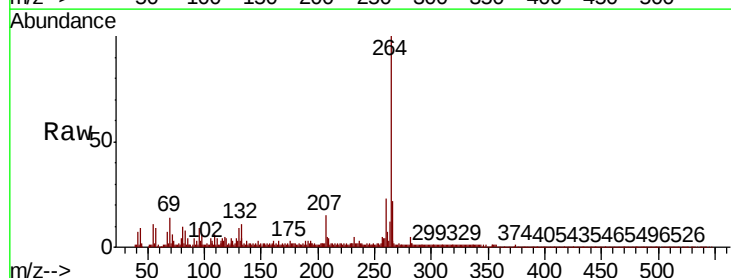
Tgt Ion:264 Resp: 880864

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

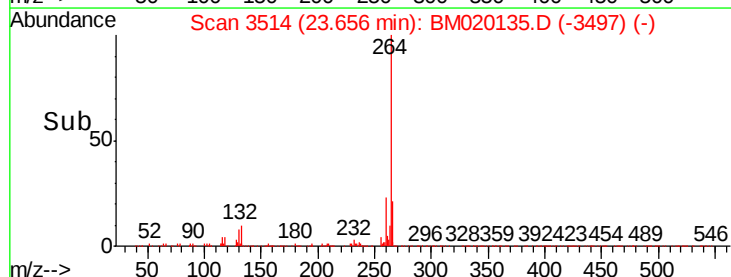
265 22.3 16.9 25.3



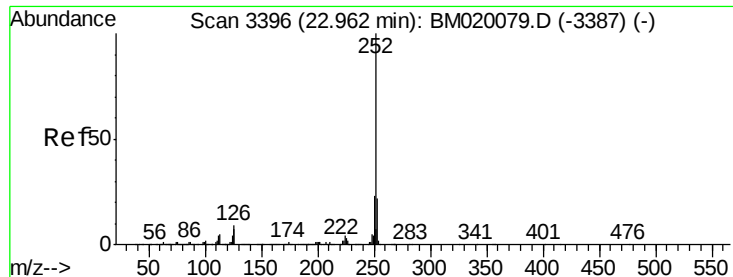
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 3.458 ng

RT: 22.96 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

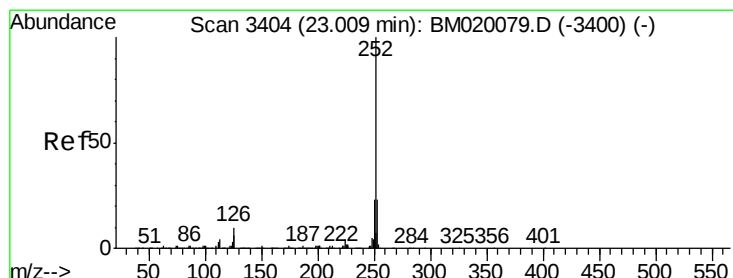
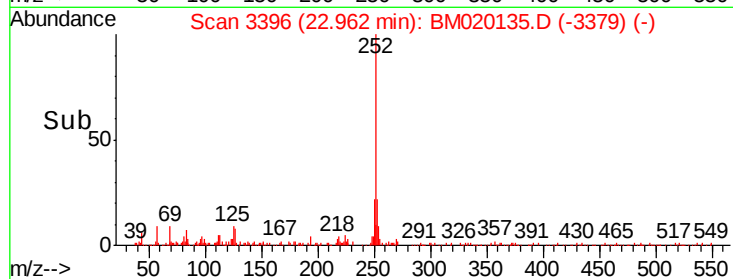
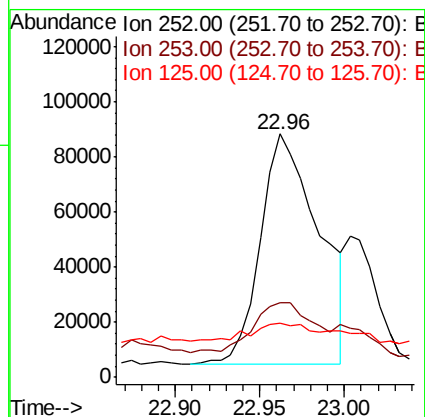
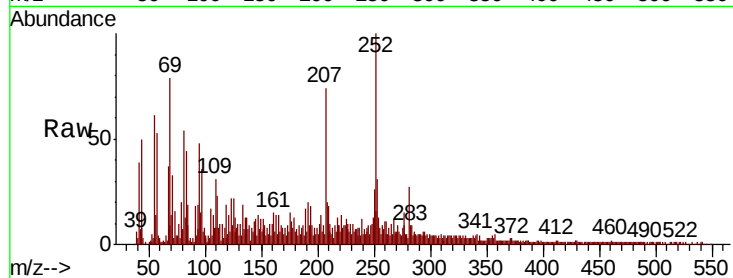
Tgt Ion:252 Resp: 201159

Ion Ratio Lower Upper

252 100

253 30.9 17.5 26.3#

125 22.2 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 3.664 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

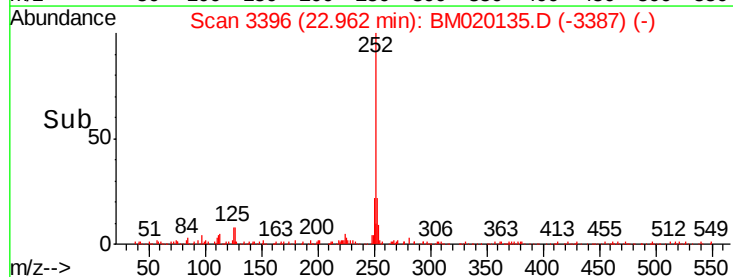
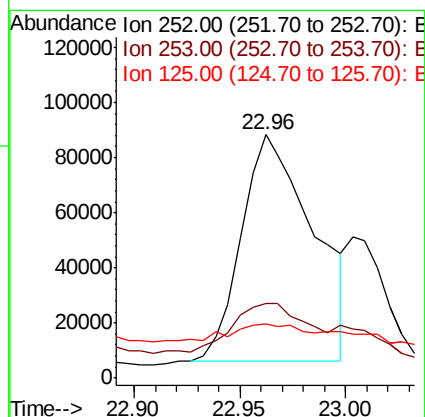
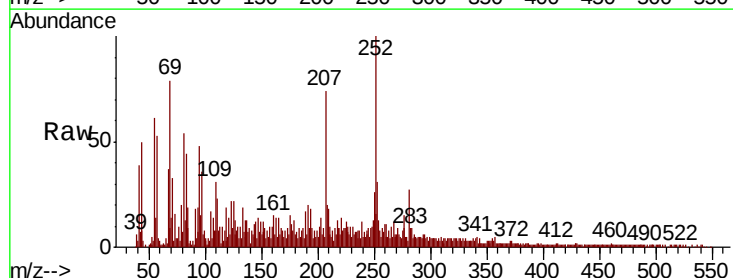
Tgt Ion:252 Resp: 194428

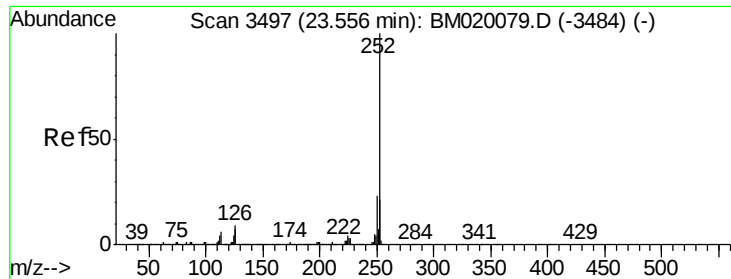
Ion Ratio Lower Upper

252 100

253 30.9 17.8 26.8#

125 22.2 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 2.657 ng

RT: 23.56 min Scan# 3497

Delta R.T. 0.00 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

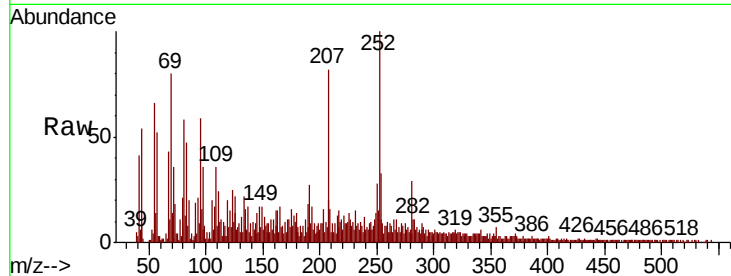
Tgt Ion:252 Resp: 140393

Ion Ratio Lower Upper

252 100

253 32.9 17.0 25.6#

125 21.9 5.5 8.3#



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

