

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 05:01:30 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

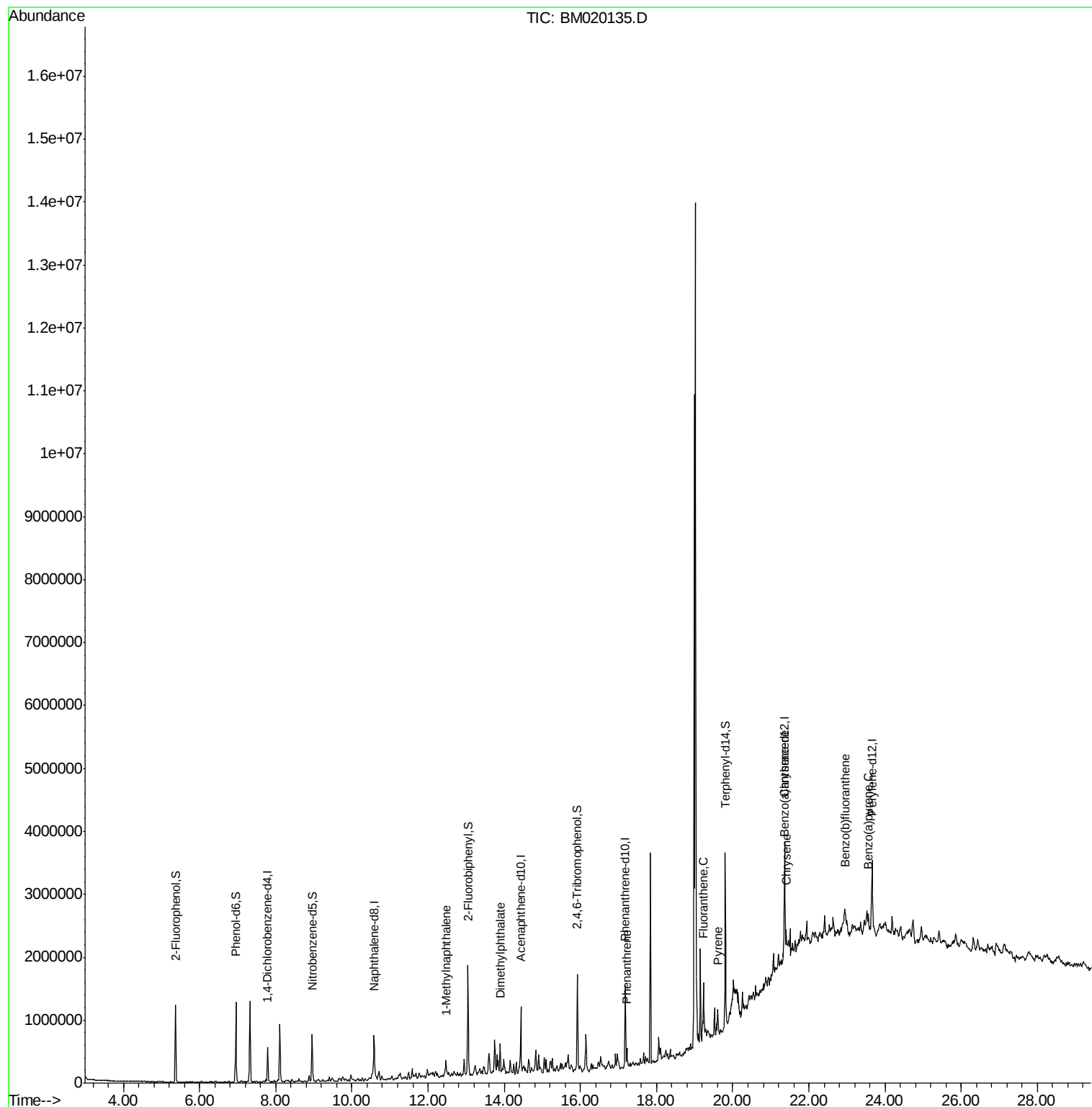
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	133286	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	517810	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	309020	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	719121	20.00	ng	0.00
76) Chrysene-d12	21.36	240	750323	20.00	ng	0.00
87) Perylene-d12	23.66	264	880864	20.00	ng	0.00
System Monitoring Compounds						
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						
38) 1-Methylnaphthalene	12.47	142	105058	5.484	ng	99
50) Dimethylphthalate	13.89	163	89947	3.425	ng	99
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
90) Benzo(a)pyrene	23.56	252	140393	2.657	ng	# 71

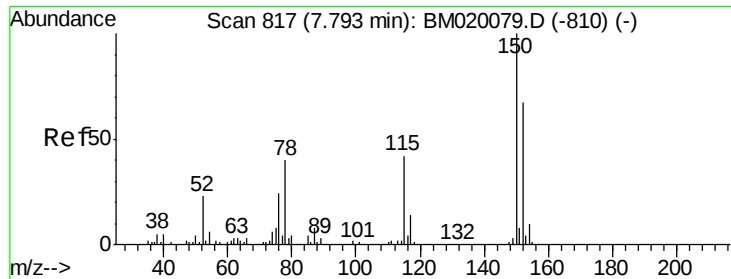
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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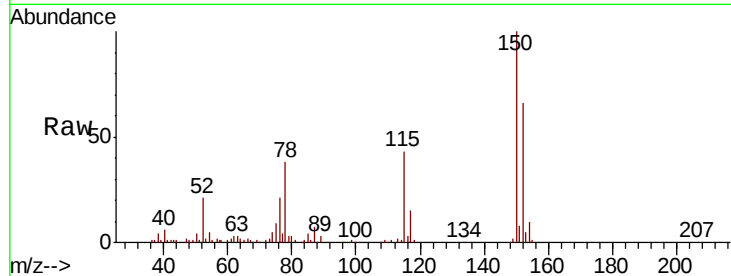


#1

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	119.8	179.8
115	65.0	50.8	76.2

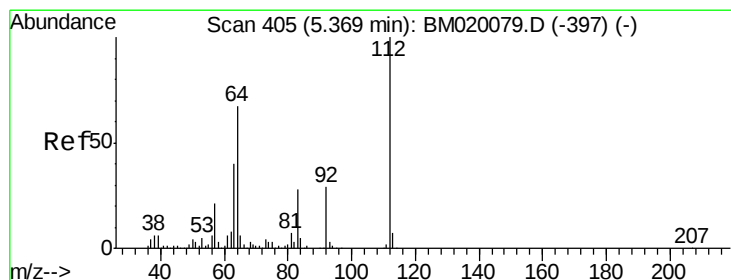
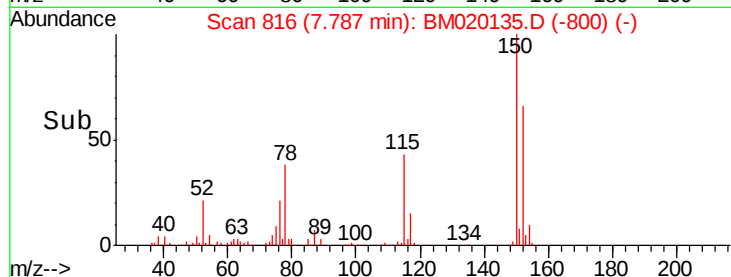
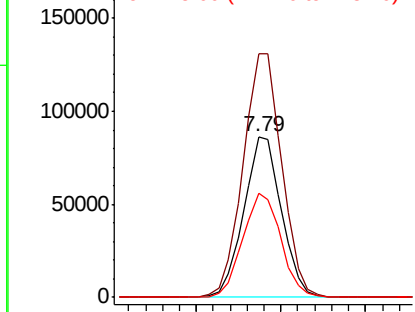


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

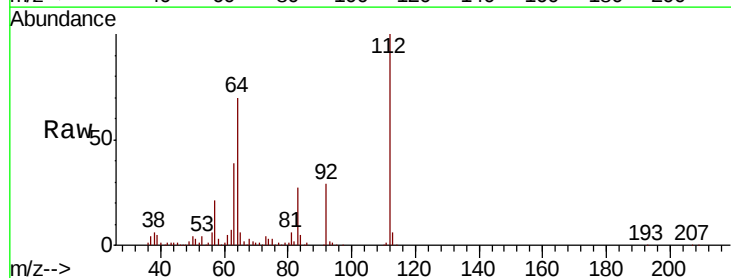
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	70.5	53.8	80.6
63	38.7	32.3	48.5

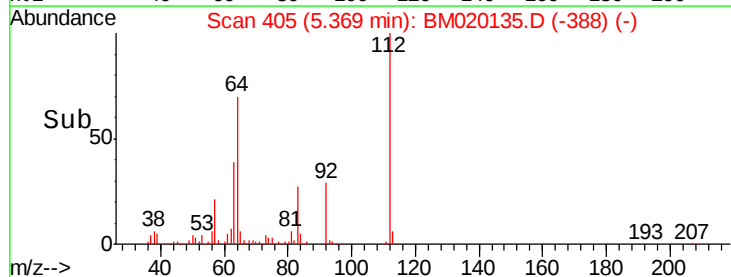
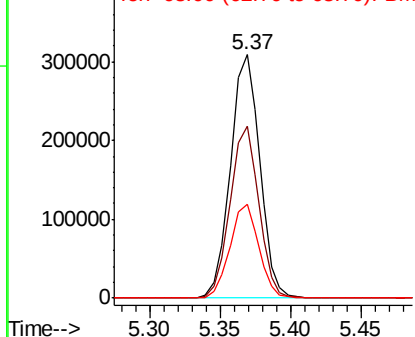


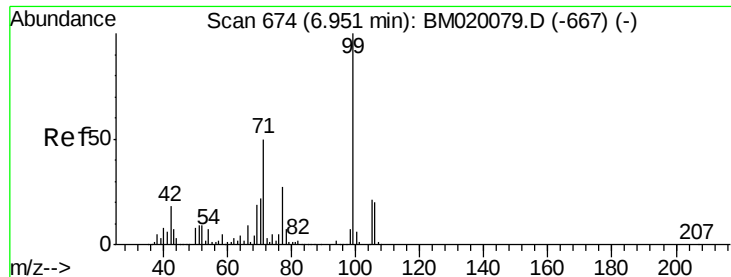
Abundance

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

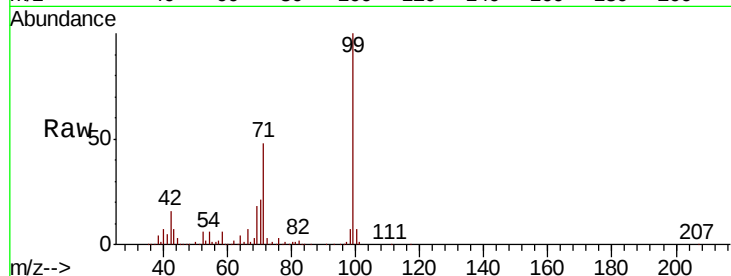
Tot Ion: 99 Resp: 657526

Ion Ratio Lower Upper

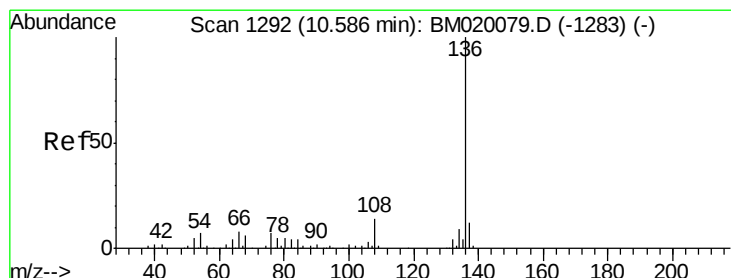
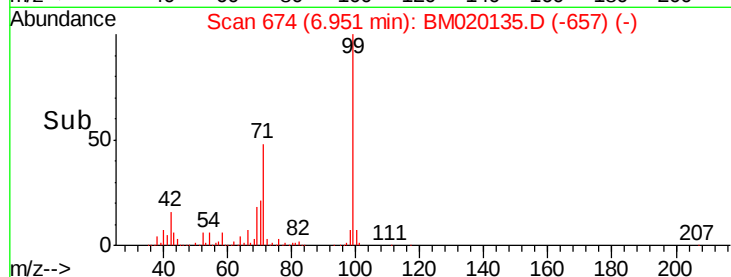
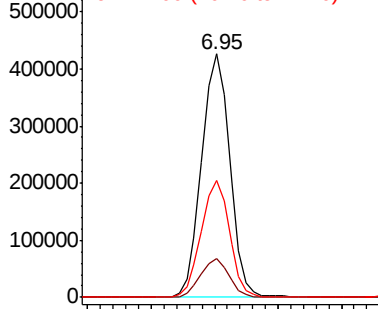
99 100

42 16.1 14.2 21.2

71 48.1 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 71.00 (70.70 to 71.70): BM0



#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

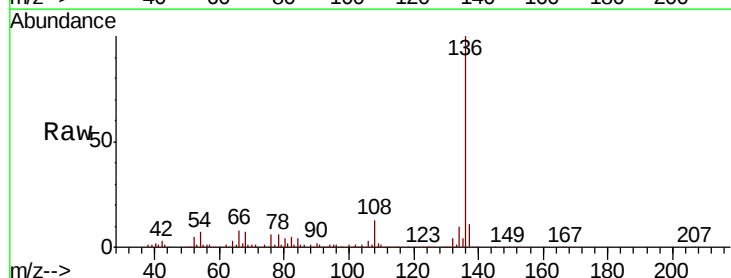
Ion Ratio Lower Upper

136 100

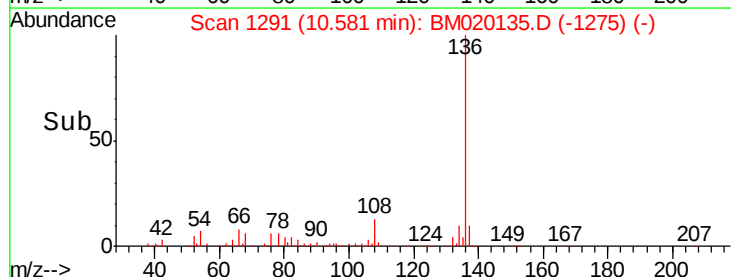
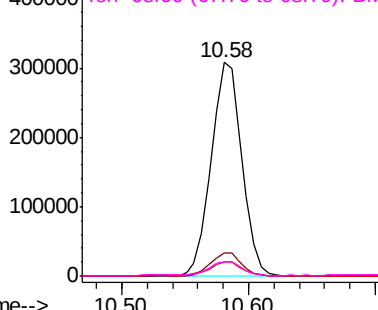
137 10.5 9.6 14.4

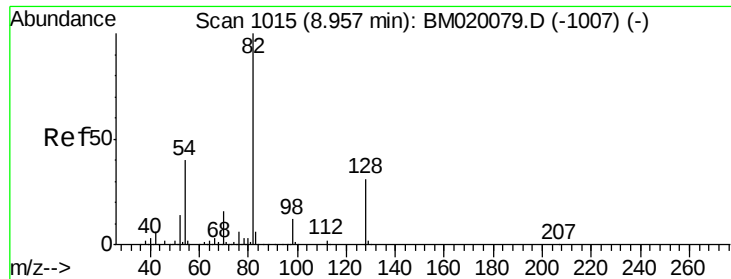
54 6.9 5.5 8.3

68 6.6 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

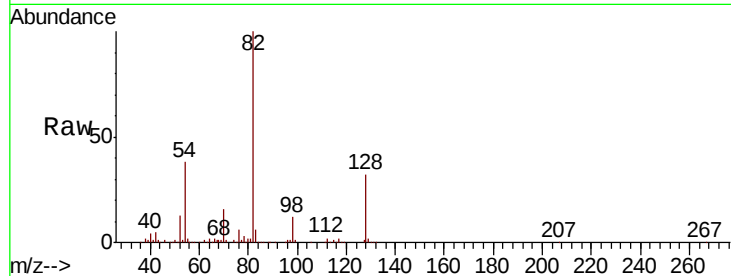




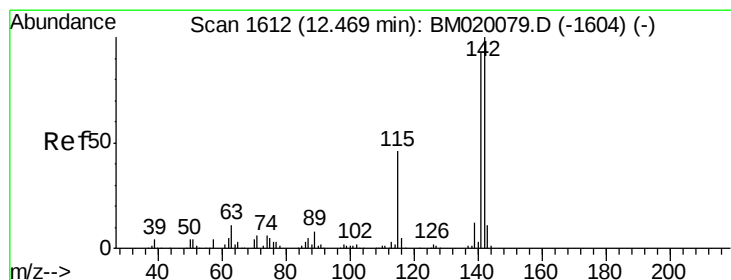
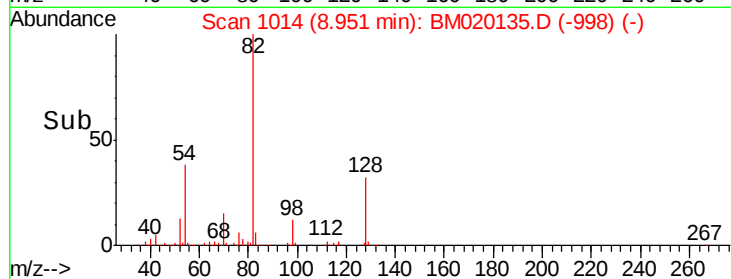
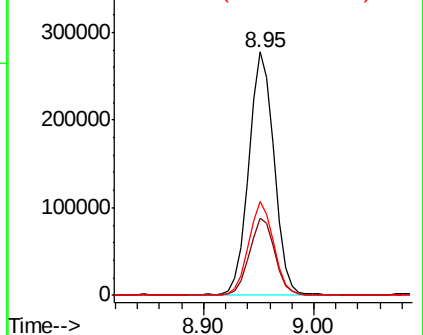
#23
Nitrobenzene-d5
Concen: 34.073 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

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

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

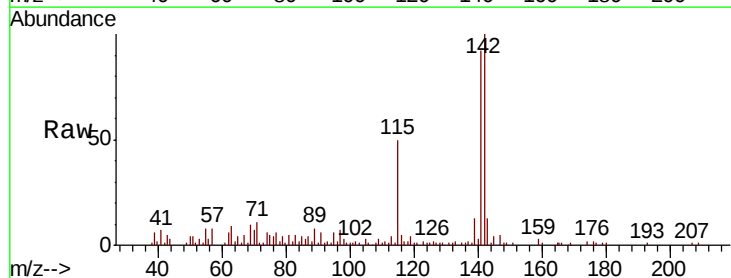


Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

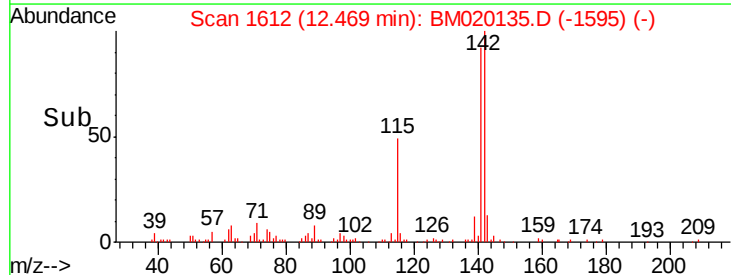
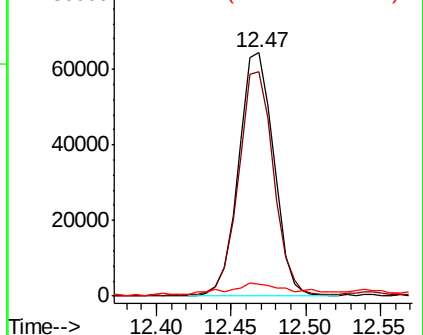


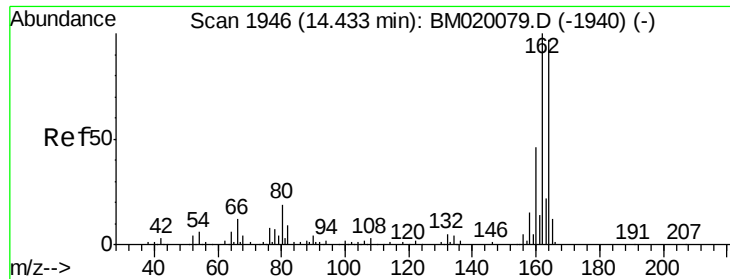
#38
1-Methylnaphthalene
Concen: 5.484 ng
RT: 12.47 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

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



Abundance Ion 142.00 (141.70 to 142.70): BM020079.D (-1604) (-)





#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

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

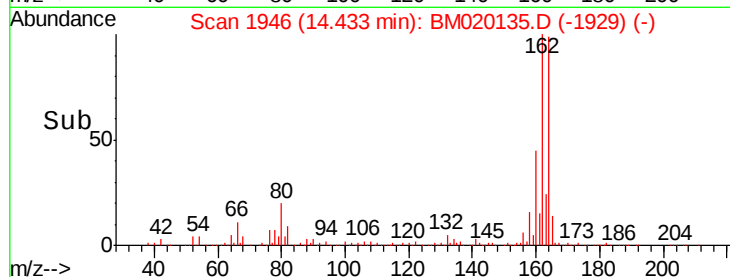
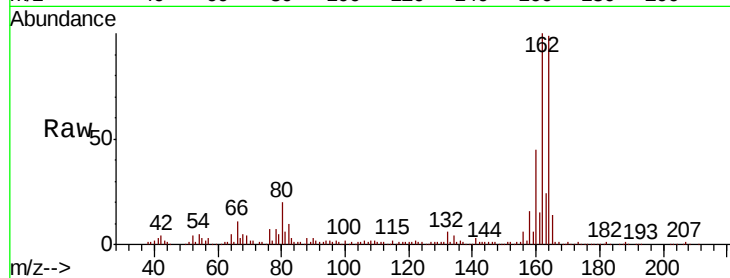
Tot Ion:164 Resp: 309020

Ion Ratio Lower Upper

164 100

162 100.6 82.2 123.2

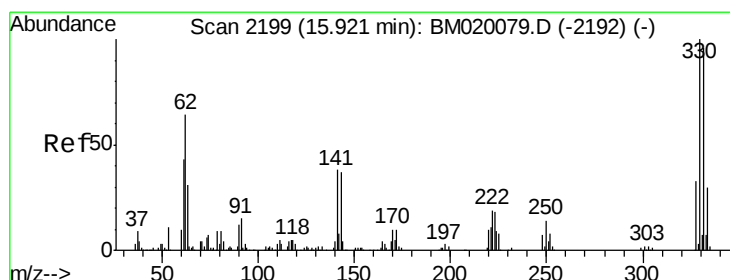
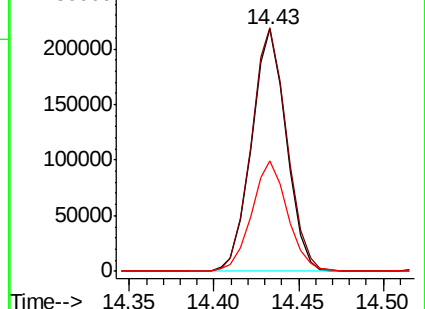
160 45.5 37.6 56.4



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: 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

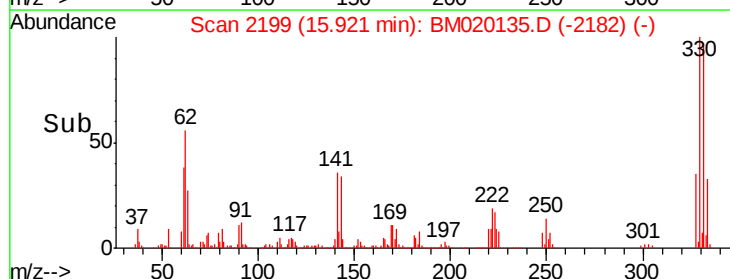
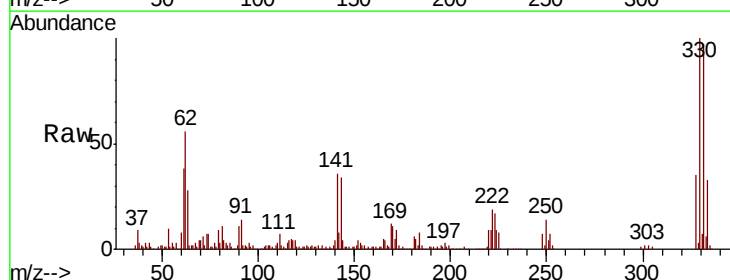
Tgt Ion:330 Resp: 256371

Ion Ratio Lower Upper

330 100

332 98.3 76.8 115.2

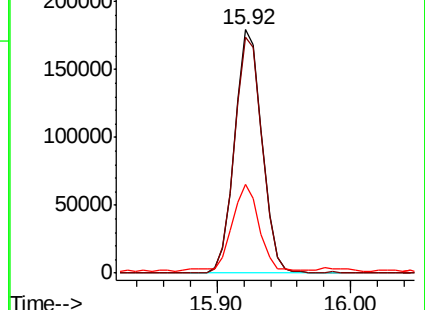
141 35.4 29.2 43.8

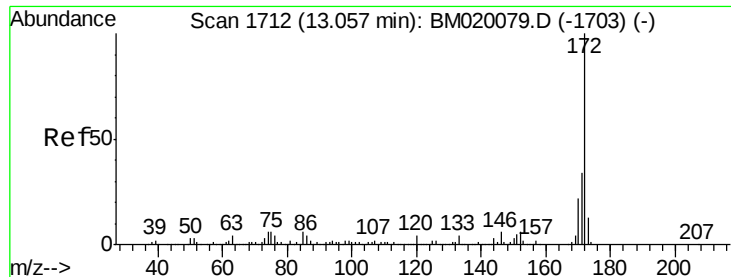


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

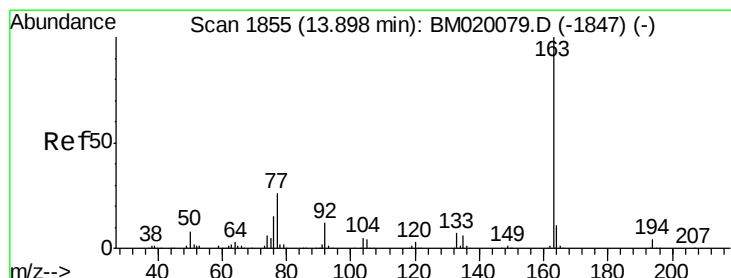
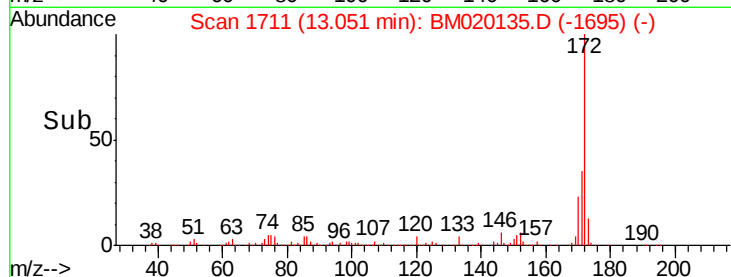
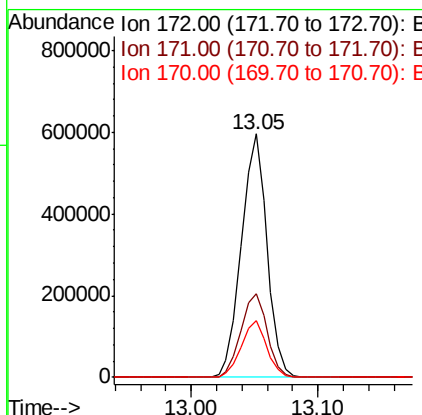
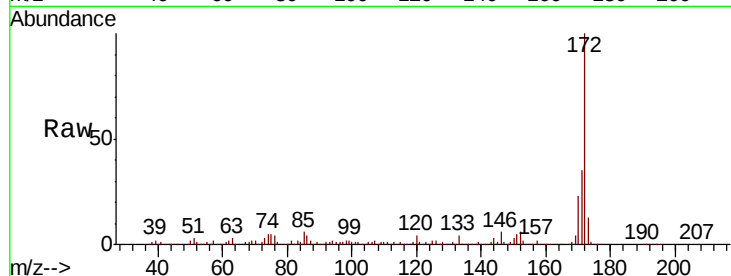




#45
2-Fluorobiphenyl
Concen: 33.111 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

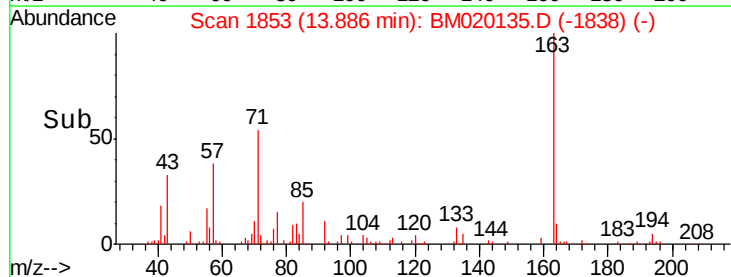
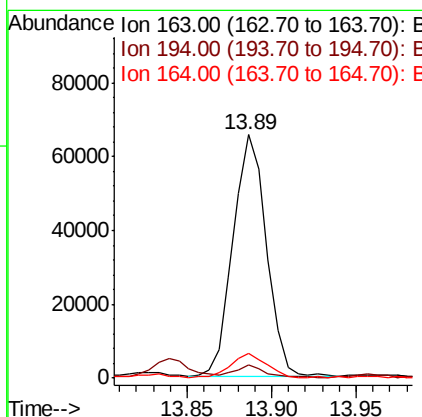
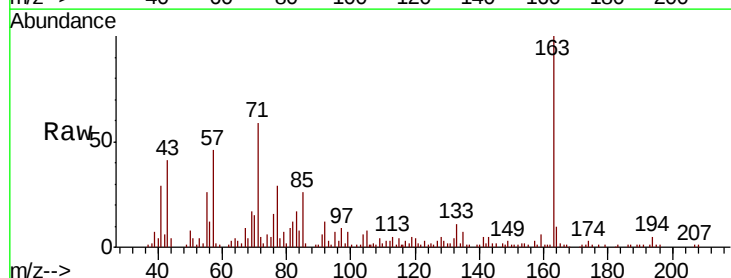
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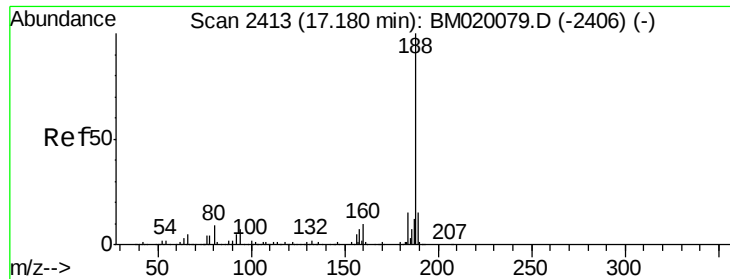
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.3	40.9
170	23.1	17.9	26.9



#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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.6	5.4
164	10.4	8.4	12.6

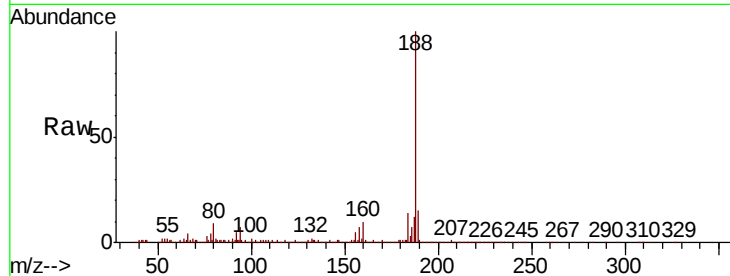




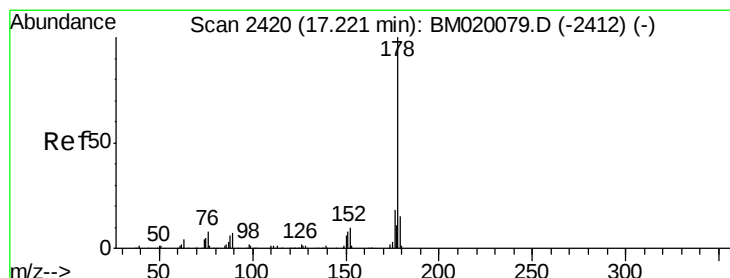
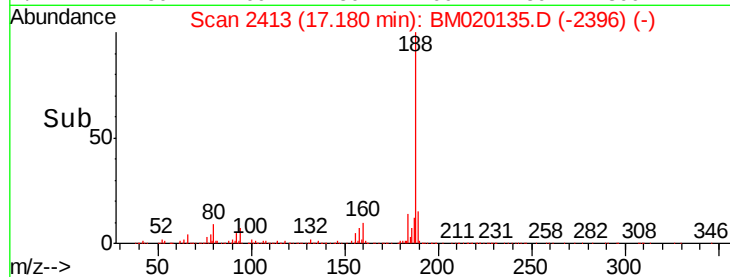
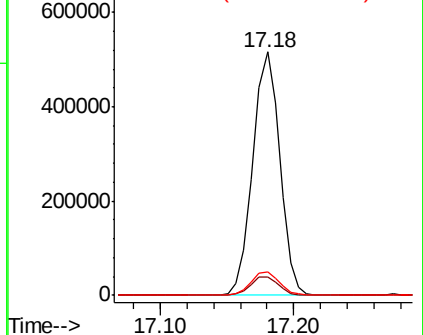
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.18 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	9.5	7.4	11.2

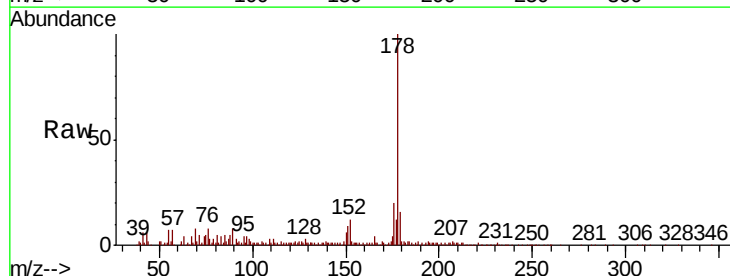


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BM
 Ion 80.00 (79.70 to 80.70): BM

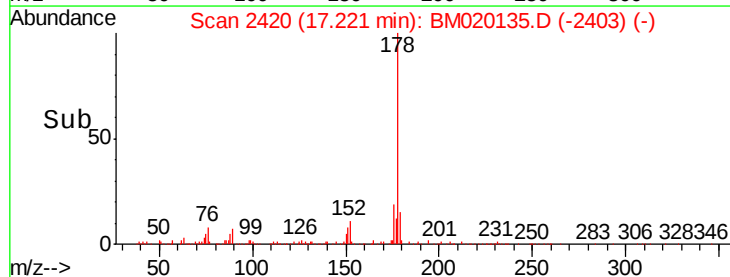
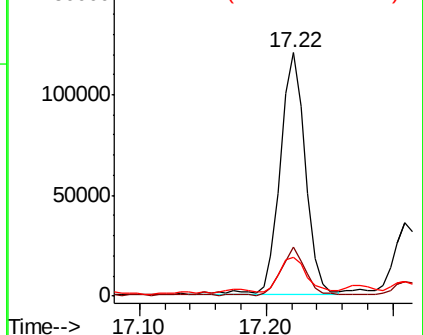


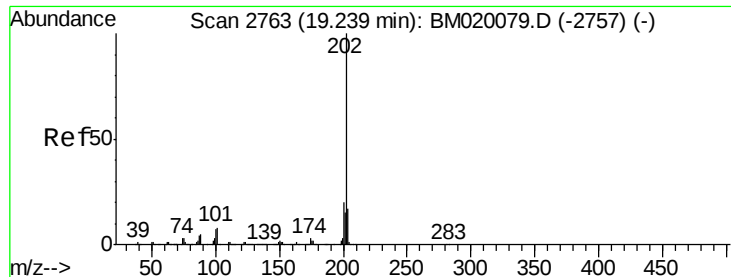
#71
 Phenanthrene
 Concen: 4.125 ng
 RT: 17.22 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BM020135.D
 Acq: 06 May 2019 14:48

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

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

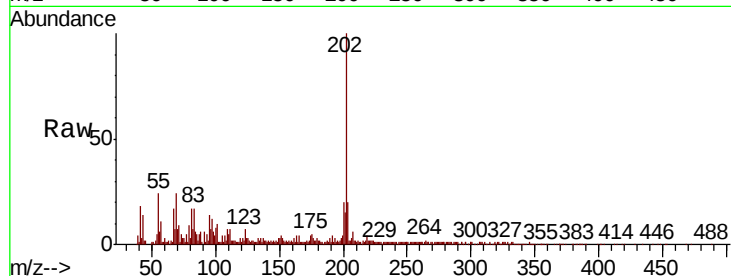
Tot Ion:202 Resp: 226766

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.4

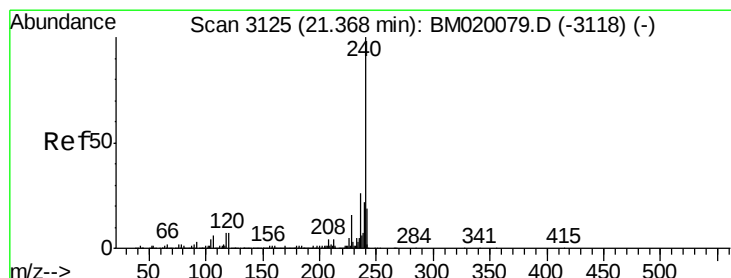
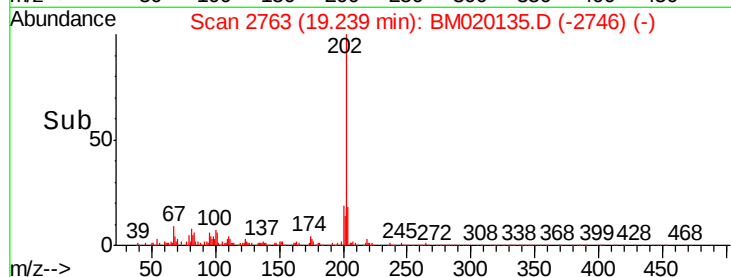
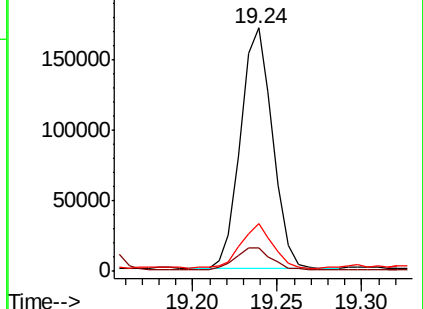
203 19.8 0.0 37.4



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: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020135.D

Acq: 06 May 2019 14:48

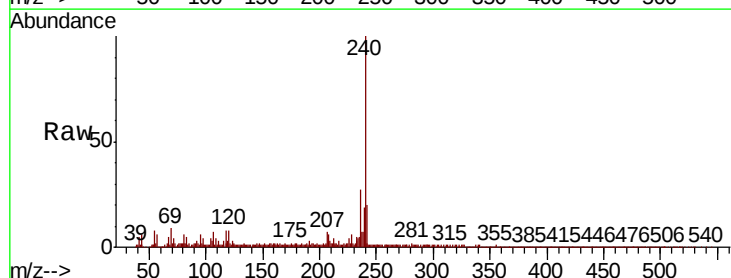
Tgt Ion:240 Resp: 750323

Ion Ratio Lower Upper

240 100

120 8.0 5.6 8.4

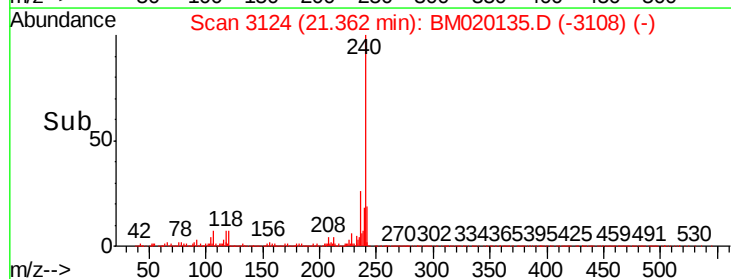
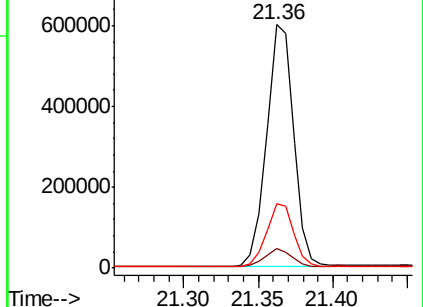
236 26.7 20.9 31.3

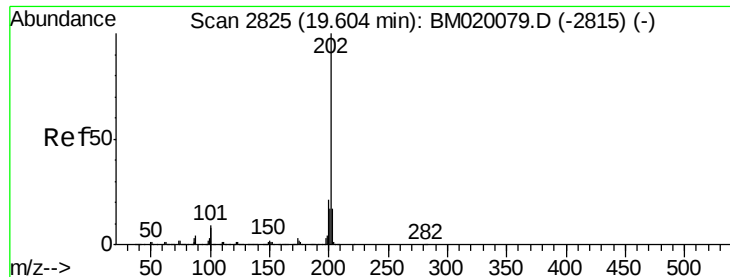


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

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

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

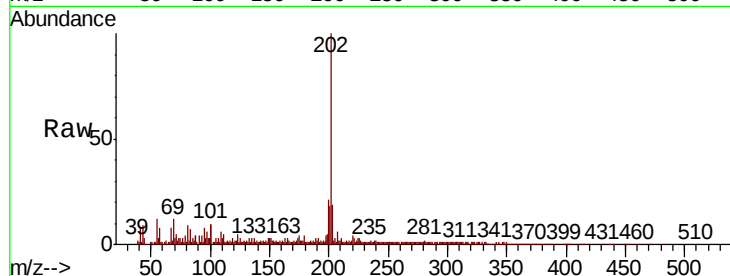
Tot Ion:202 Resp: 236731

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

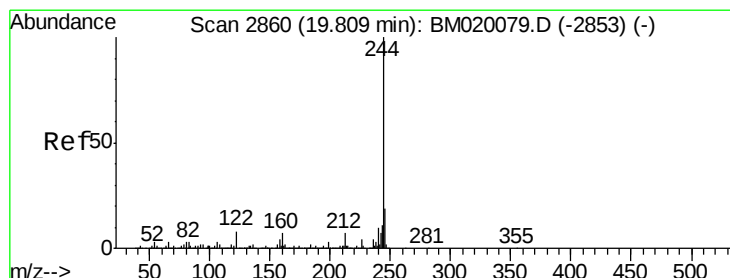
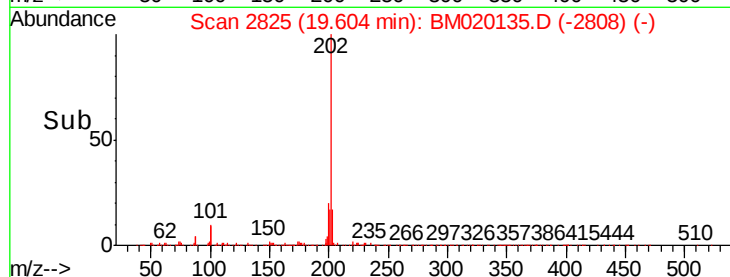
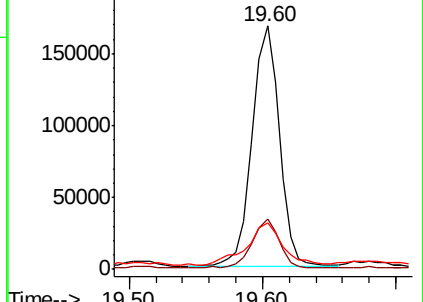
203 18.9 13.9 20.9



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

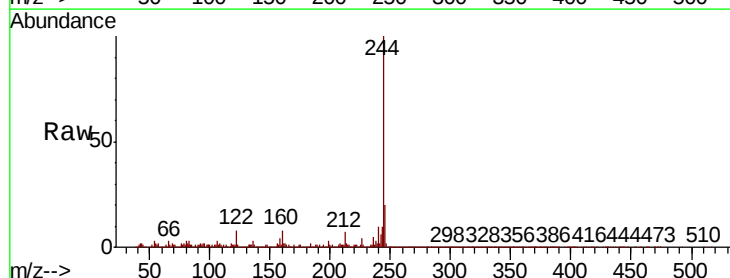
Tgt Ion:244 Resp: 1257467

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

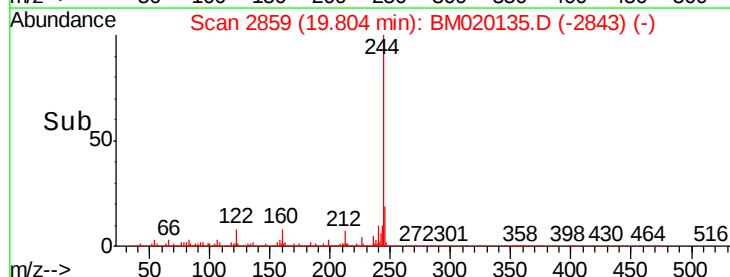
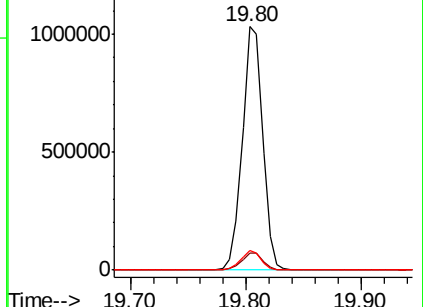
122 7.9 6.2 9.2

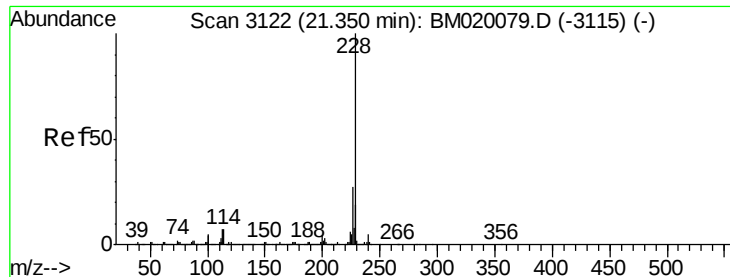


Abundance Ion 244.00 (243.70 to 244.70): E

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

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

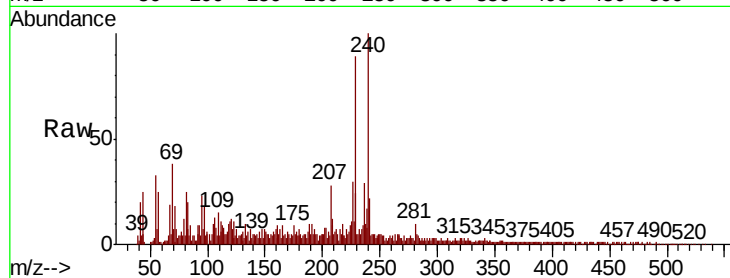
Tot Ion:228 Resp: 149428

Ion Ratio Lower Upper

228 100

226 33.5 21.3 31.9#

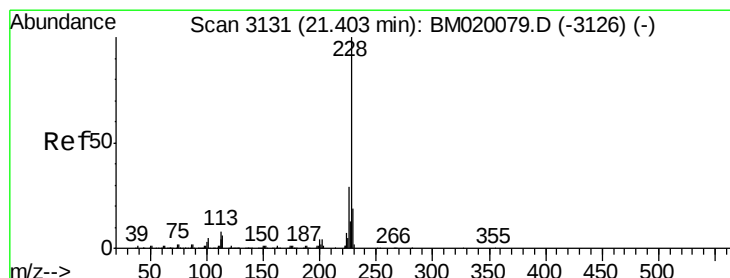
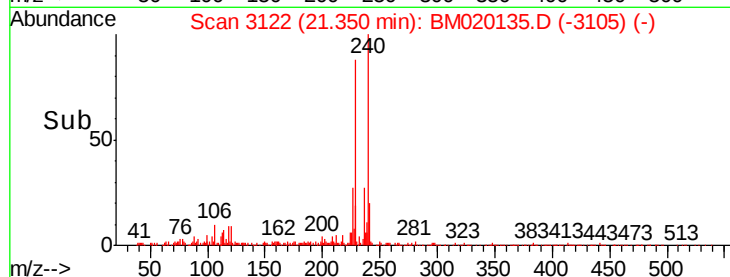
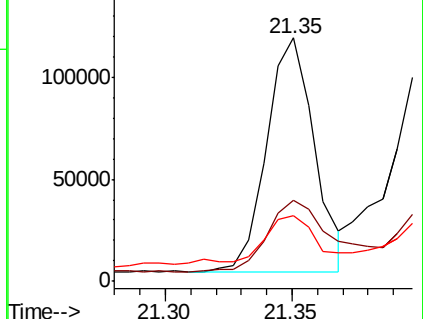
229 27.1 15.5 23.3#



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

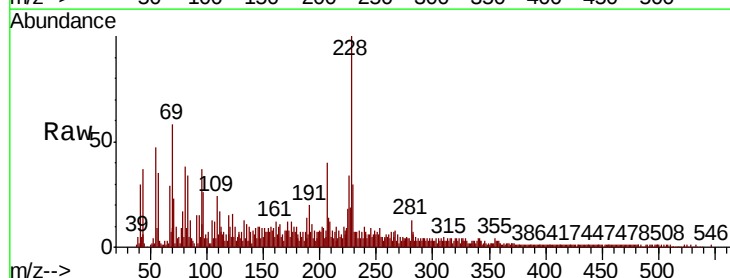
Tgt Ion:228 Resp: 140081

Ion Ratio Lower Upper

228 100

226 34.4 23.0 34.6

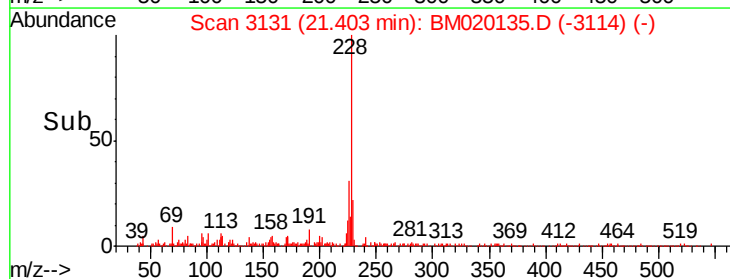
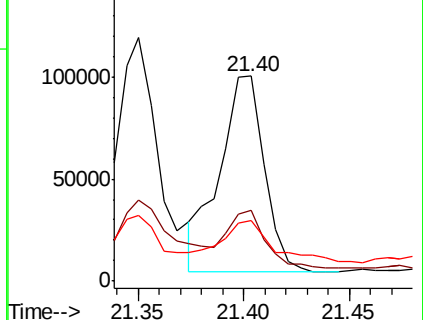
229 29.7 15.5 23.3#

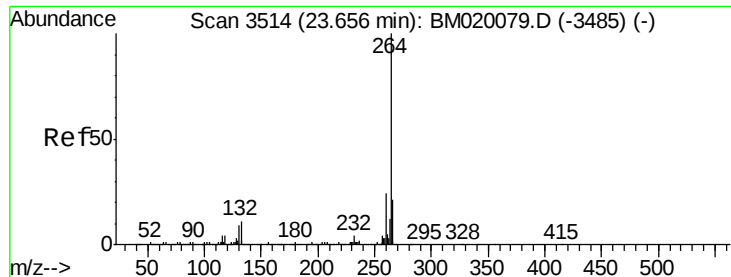


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-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

Instrument :

BNA_M

ClientSampleId :

SU-04-050219-A

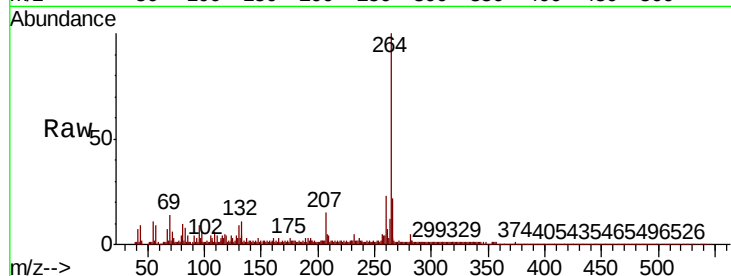
Tot Ion:264 Resp: 880864

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

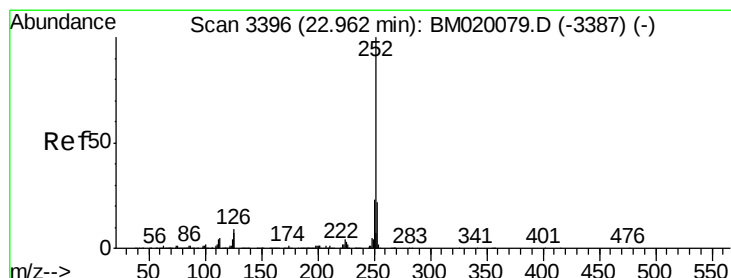
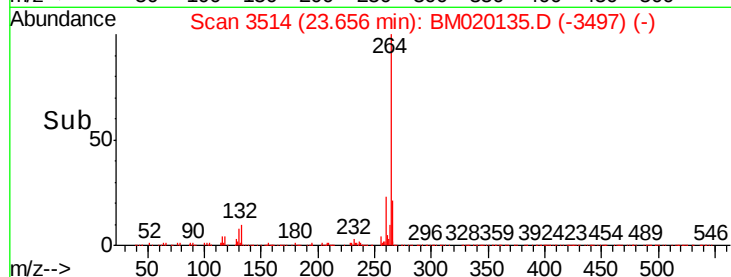
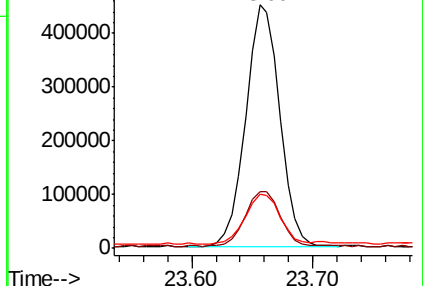
265 22.3 16.9 25.3



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



#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

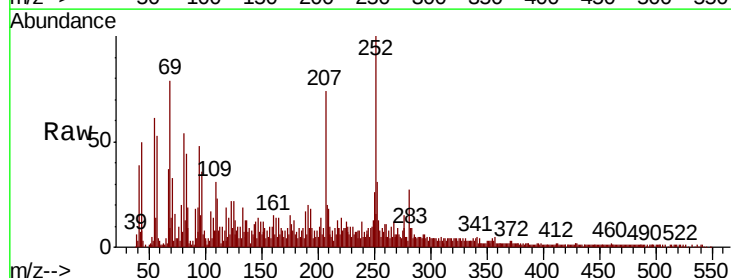
Tgt Ion:252 Resp: 201159

Ion Ratio Lower Upper

252 100

253 30.9 17.5 26.3#

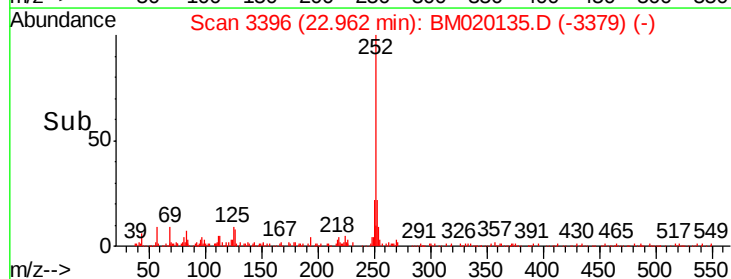
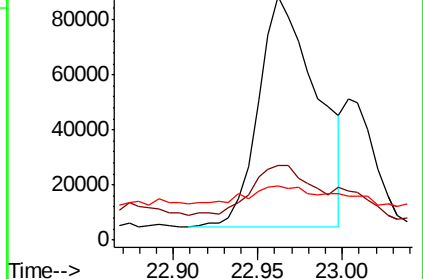
125 22.2 5.4 8.2#

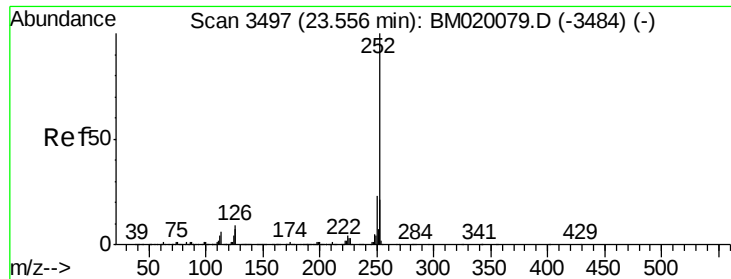


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 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

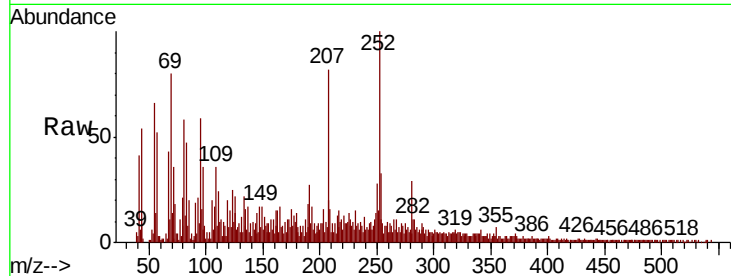
Tot Ion:252 Resp: 140393

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

