

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062119\
 Data File : BM021083.D
 Acq On : 21 Jun 2019 14:58
 Operator : HP/JU
 Sample : K3309-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS043MW011-190611

Quant Time: Jun 22 00:12:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

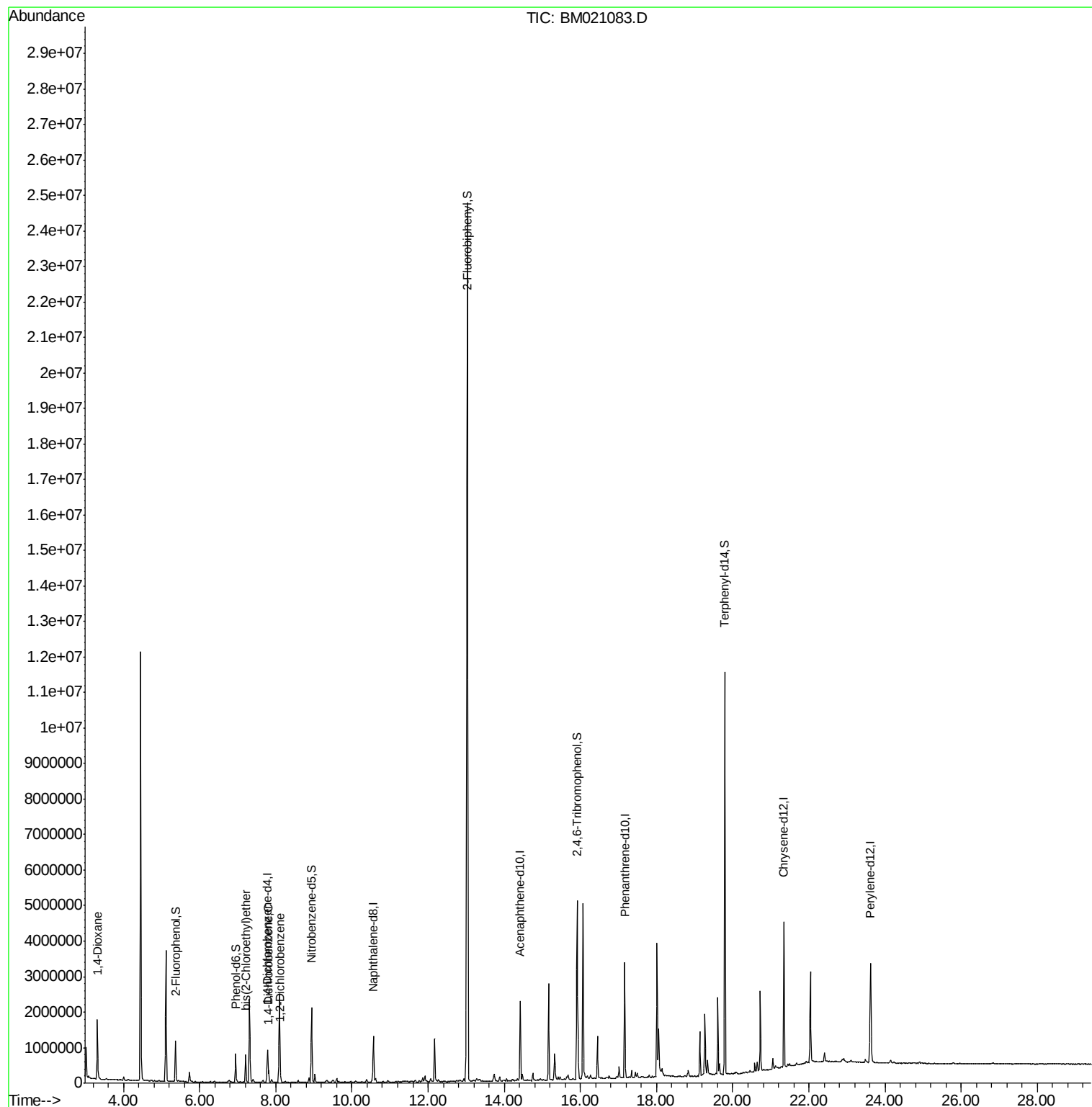
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	256531	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	1106177	20.00	ng	0.00
39) Acenaphthene-d10	14.42	164	760382	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	1922777	20.00	ng	0.00
76) Chrysene-d12	21.34	240	1926536	20.00	ng	0.00
87) Perylene-d12	23.63	264	1919740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	468085	33.04	ng	0.00
7) Phenol-d6	6.95	99	451783	21.90	ng	0.00
23) Nitrobenzene-d5	8.94	82	1206487	56.84	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	1052219	73.75	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	3610220	58.35	ng	0.00
79) Terphenyl-d14	19.79	244	5448494	52.82	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.32	88	837374	156.883	ng	98
11) bis(2-Chloroethyl)ether	7.21	93	425813	25.518	ng	99
13) 1,4-Dichlorobenzene	7.81	146	143406	6.677	ng	98
14) 1,2-Dichlorobenzene	8.12	146	70195	3.335	ng	99

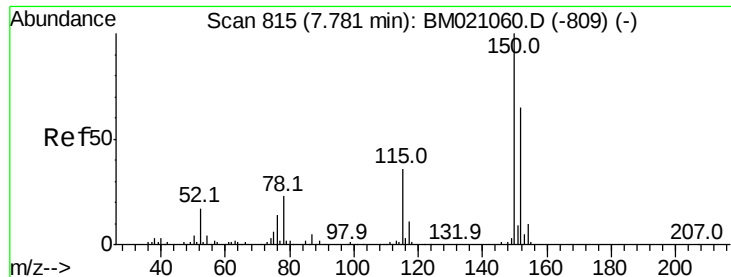
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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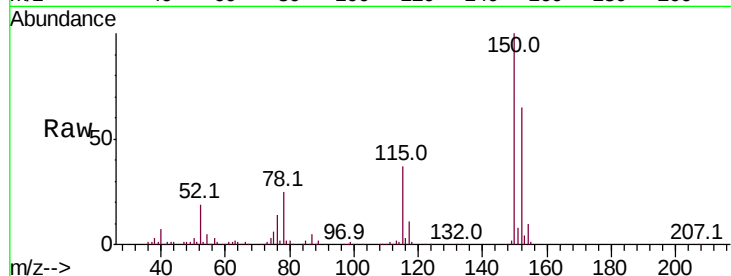


#1

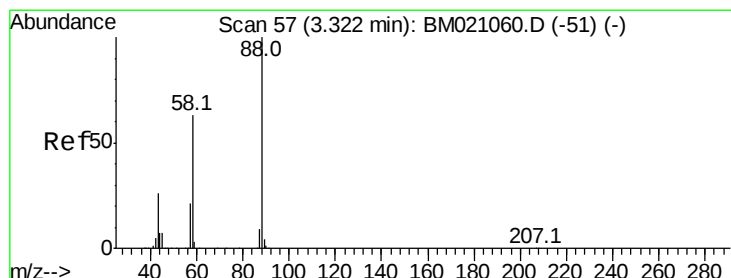
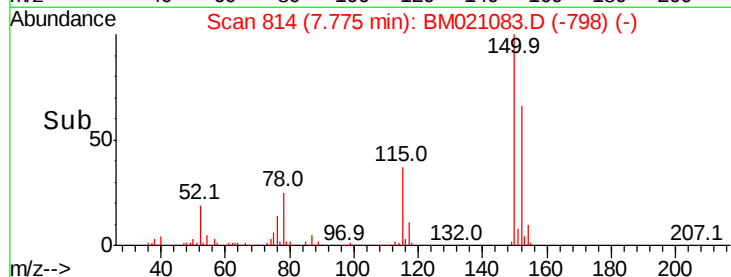
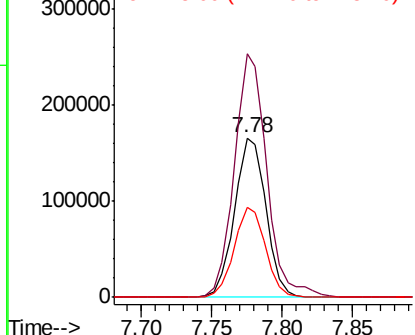
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 814
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

Instrument :
BNA_M
ClientSampleId :
SS043MW011-190611

Tot Ion:152 Resp: 256531
Ion Ratio Lower Upper
152 100
150 152.8 123.1 184.7
115 56.4 44.2 66.4



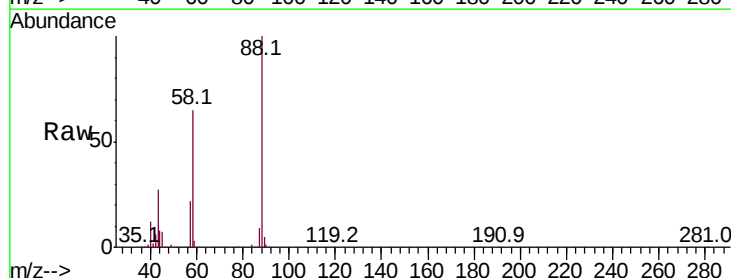
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



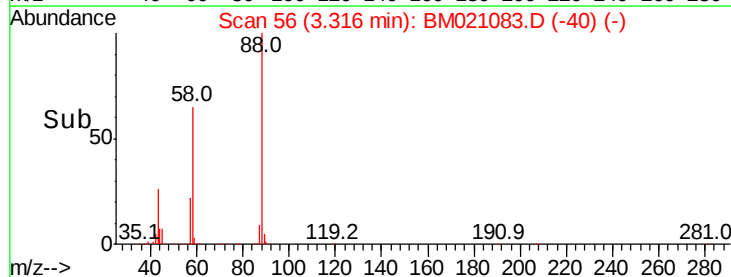
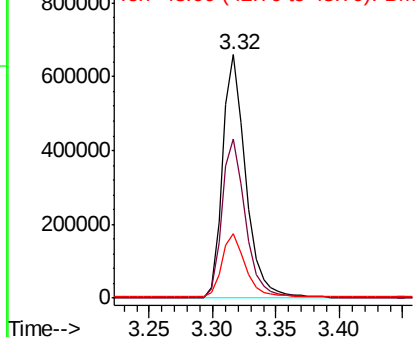
#2

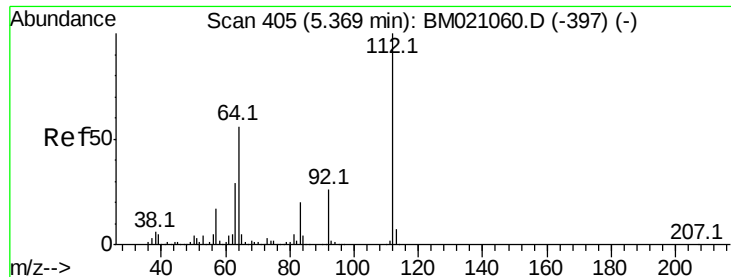
1,4-Dioxane
Concen: 156.883 ng
RT: 3.32 min Scan# 56
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

Tgt Ion: 88 Resp: 837374
Ion Ratio Lower Upper
88 100
58 66.4 51.9 77.9
43 26.1 21.4 32.2



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 33.040 ng

RT: 5.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

Instrument :

BNA_M

ClientSampleId :

SS043MW011-190611

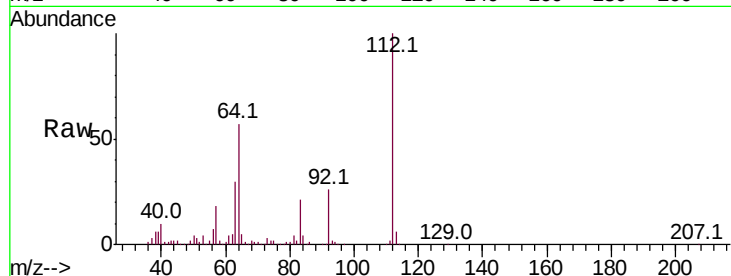
Tot Ion:112 Resp: 468085

Ion Ratio Lower Upper

112 100

64 56.6 45.2 67.8

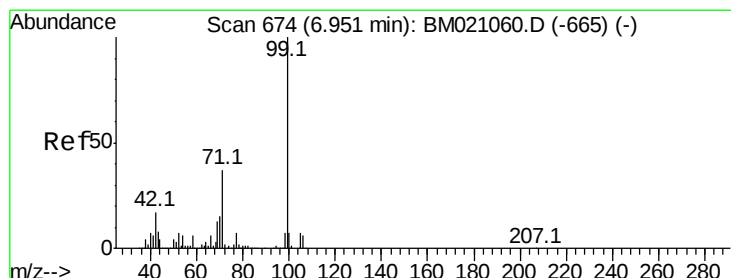
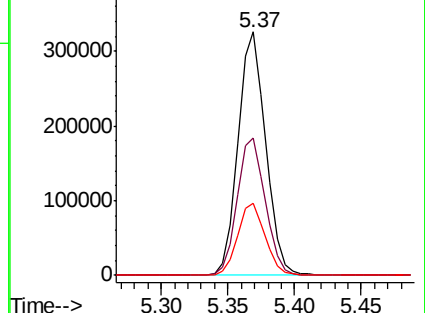
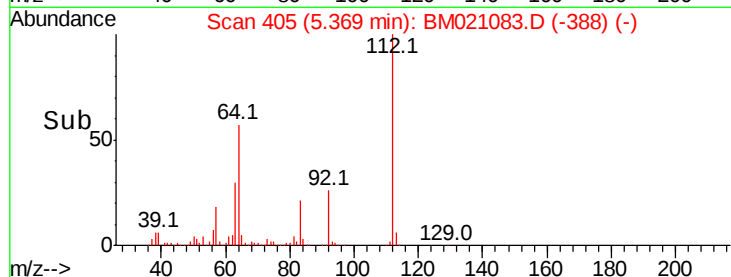
63 29.7 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 21.898 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

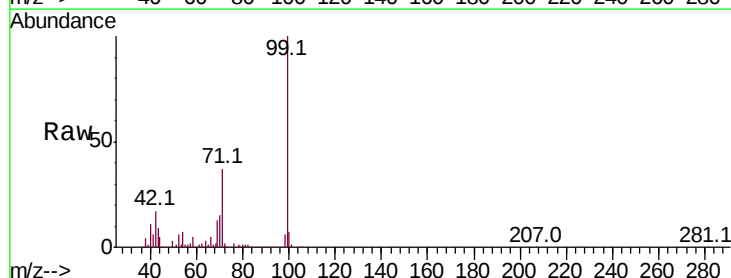
Tgt Ion: 99 Resp: 451783

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

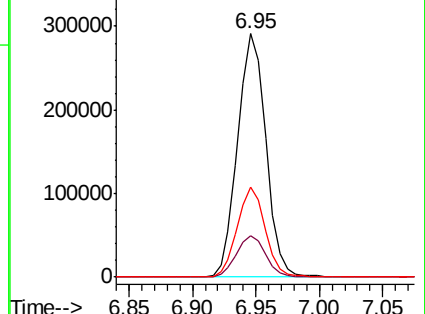
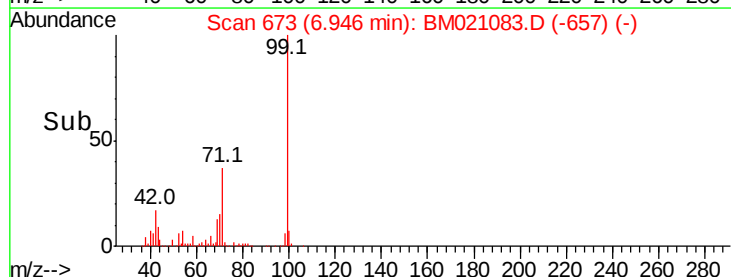
71 36.8 29.3 43.9

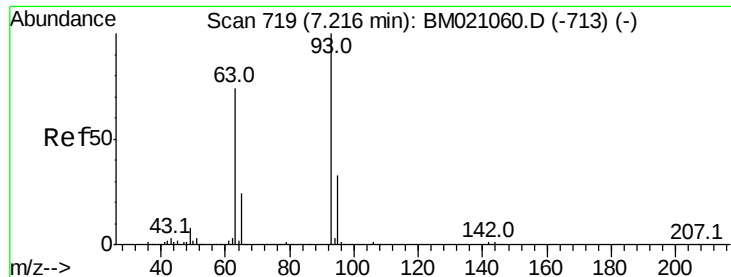


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

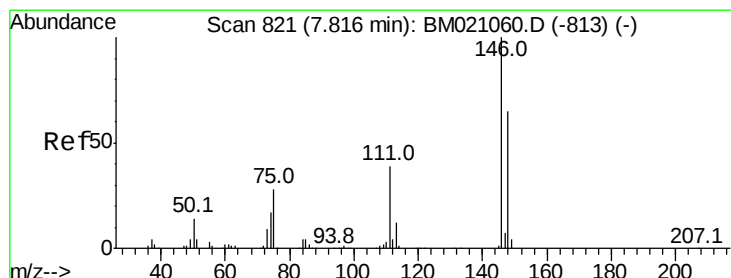
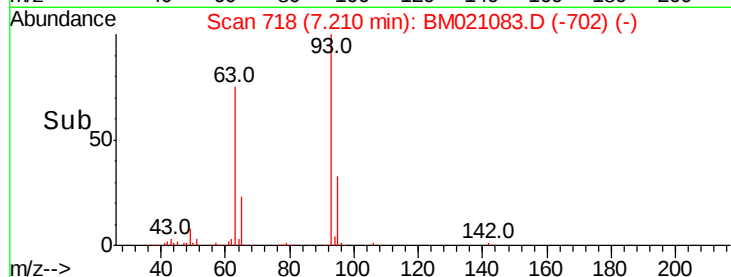
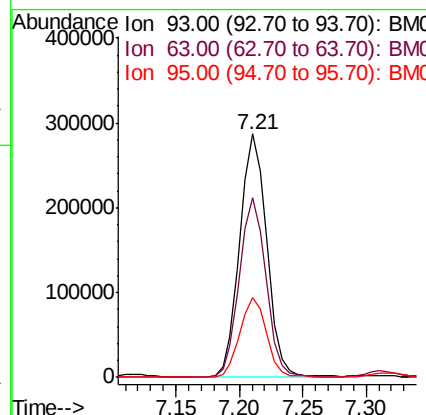
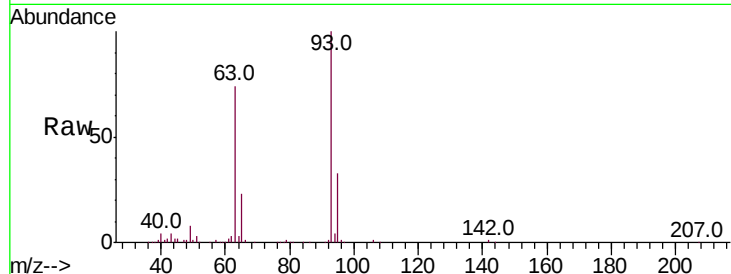




#11
bis(2-Chloroethyl)ether
Concen: 25.518 ng
RT: 7.21 min Scan# 718
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

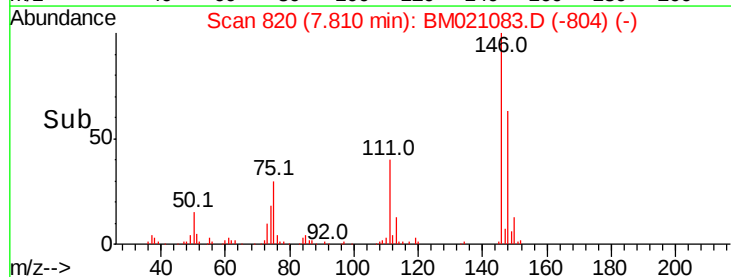
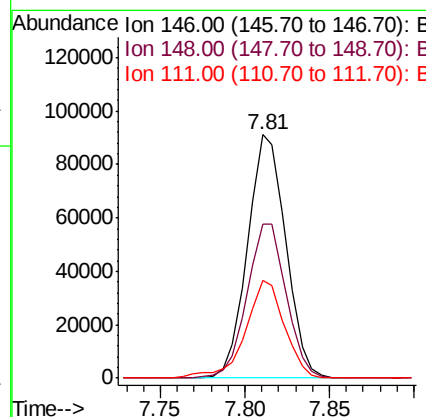
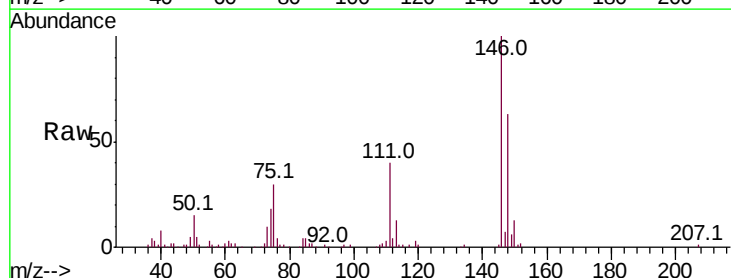
Instrument :
BNA_M
ClientSampleId :
SS043MW011-190611

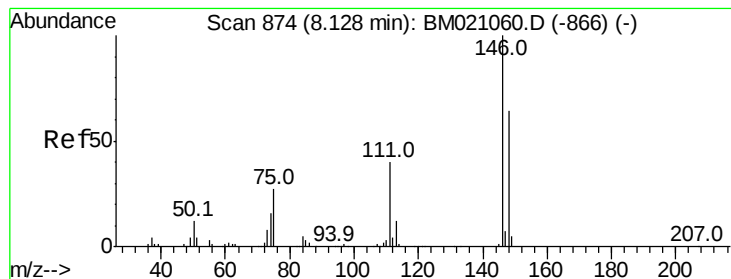
Tot Ion: 93 Resp: 425813
Ion Ratio Lower Upper
93 100
63 73.9 53.4 93.4
95 32.9 13.0 53.0



#13
1,4-Dichlorobenzene
Concen: 6.677 ng
RT: 7.81 min Scan# 820
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

Tgt Ion: 146 Resp: 143406
Ion Ratio Lower Upper
146 100
148 63.5 51.9 77.9
111 40.2 31.4 47.0





#14

1,2-Dichlorobenzene

Concen: 3.335 ng

RT: 8.12 min Scan# 873

Delta R.T. -0.01 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

Instrument :

BNA_M

ClientSampleId :

SS043MW011-190611

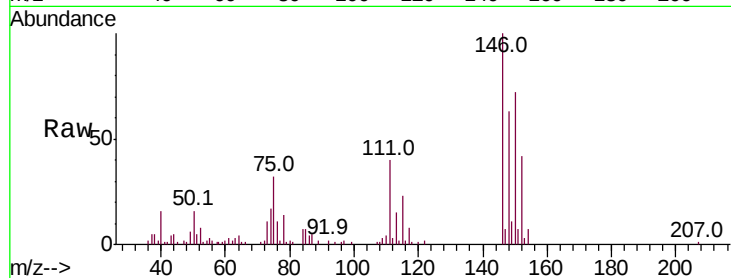
Tot Ion:146 Resp: 70195

Ion Ratio Lower Upper

146 100

148 63.4 51.2 76.8

111 40.3 32.8 49.2

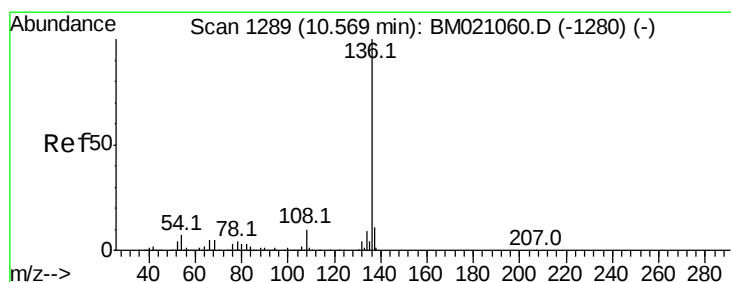
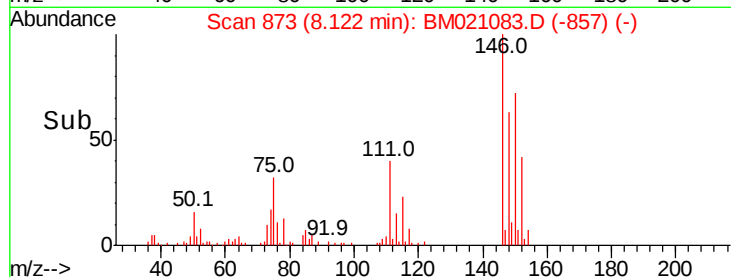
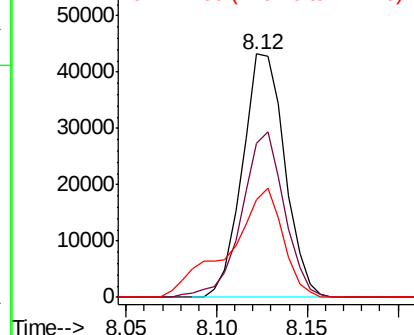


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

Tgt Ion:136 Resp: 1106177

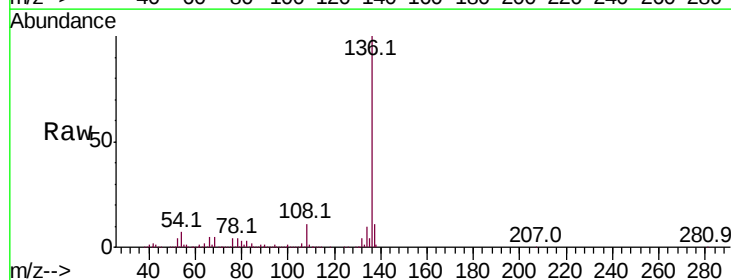
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 6.6 5.3 7.9

68 5.2 4.4 6.6



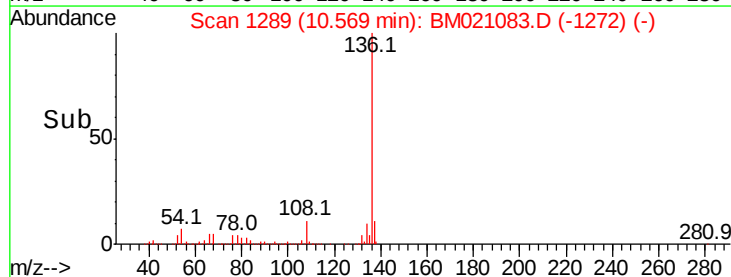
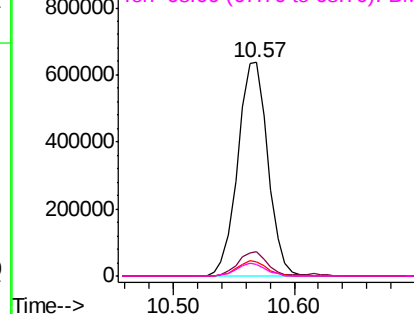
Abundance

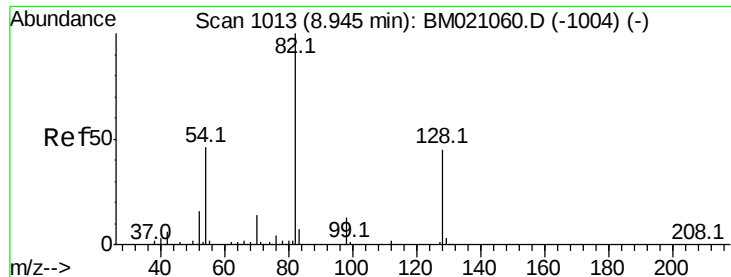
Ion 136.00 (135.70 to 136.70): E

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

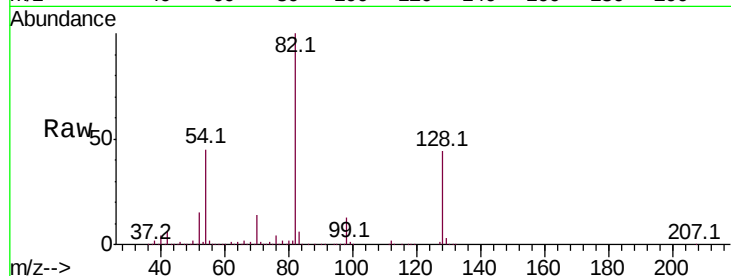




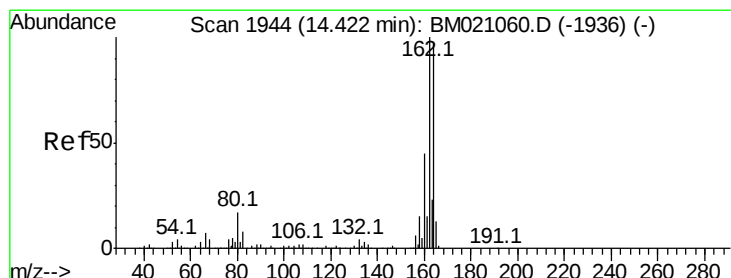
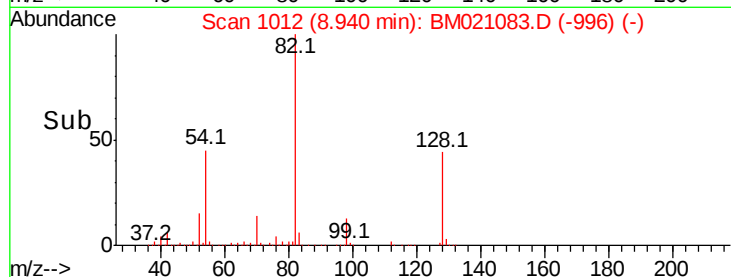
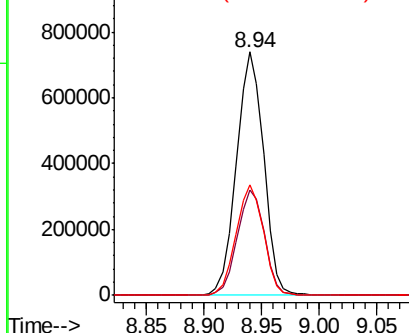
#23
Nitrobenzene-d5
Concen: 56.843 ng
RT: 8.94 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

Instrument :
BNA_M
ClientSampleId :
SS043MW011-190611

Tot Ion: 82 Resp: 1206487
Ion Ratio Lower Upper
82 100
128 43.5 35.9 53.9
54 45.3 36.6 55.0

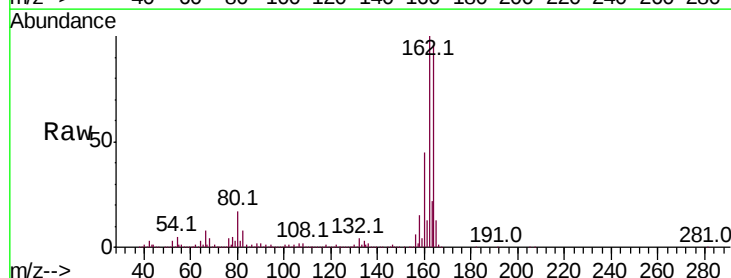


Abundance Ion 82.00 (81.70 to 82.70): BM
1000000 Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

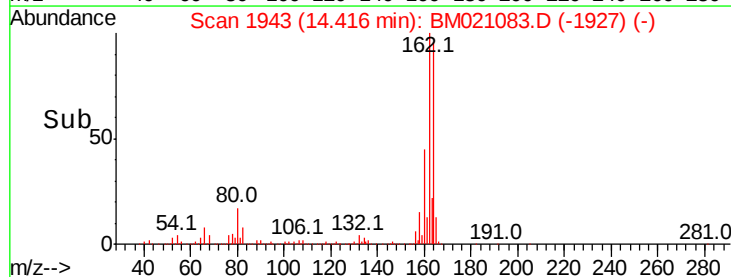
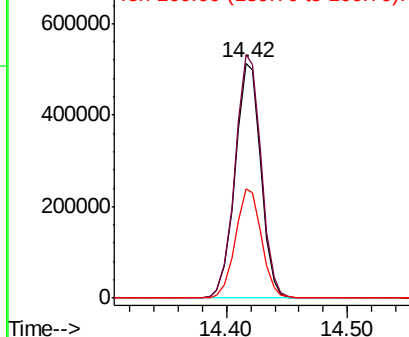


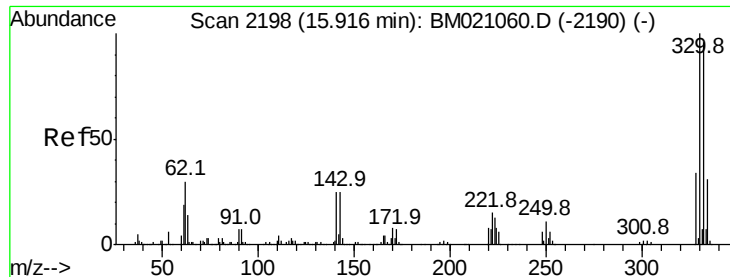
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BM021083.D
Acq: 21 Jun 2019 14:58

Tgt Ion:164 Resp: 760382
Ion Ratio Lower Upper
164 100
162 103.7 82.1 123.1
160 46.7 37.1 55.7



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

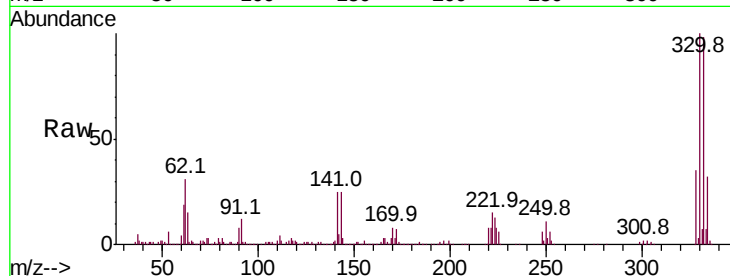




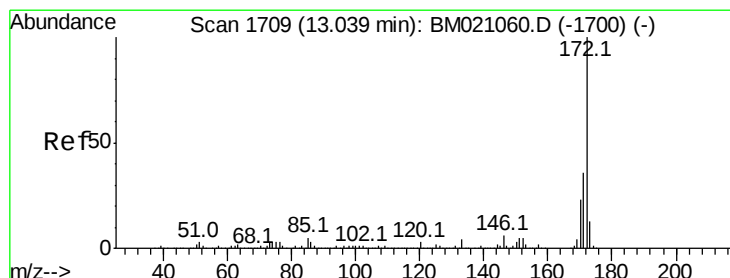
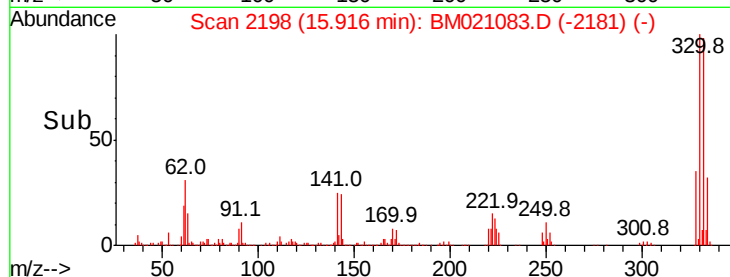
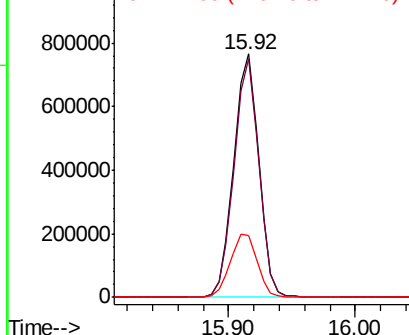
#42
 2,4,6-Tribromophenol
 Concen: 73.746 ng
 RT: 15.92 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: BM021083.D
 Acq: 21 Jun 2019 14:58

Instrument :
 BNA_M
 ClientSampleId :
 SS043MW011-190611

Tot Ion:330 Resp: 1052219
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 27.7 21.8 32.8

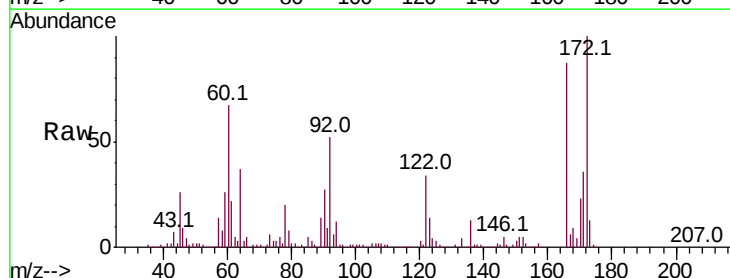


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

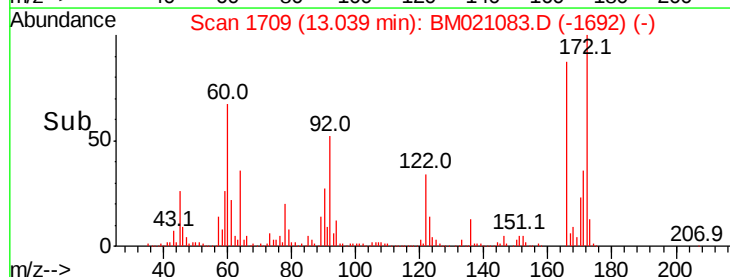
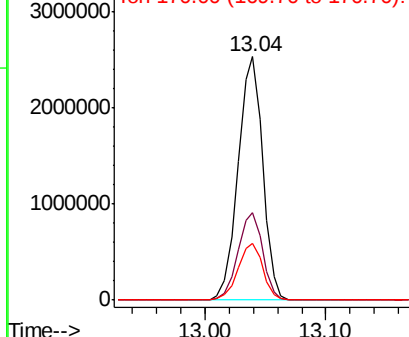


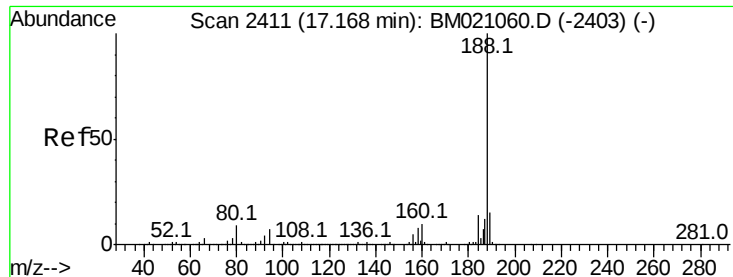
#45
 2-Fluorobiphenyl
 Concen: 58.352 ng
 RT: 13.04 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM021083.D
 Acq: 21 Jun 2019 14:58

Tgt Ion:172 Resp: 3610220
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.4 18.7 28.1



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: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

Instrument :

BNA_M

ClientSampleId :

SS043MW011-190611

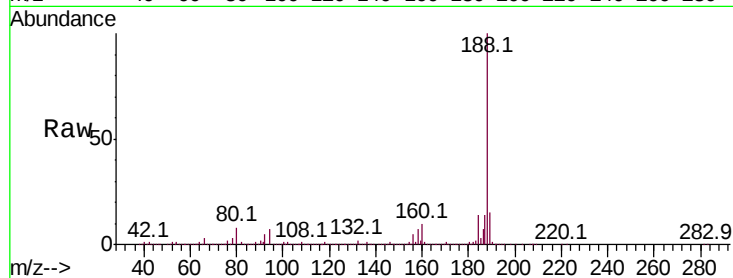
Tot Ion:188 Resp: 1922777

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

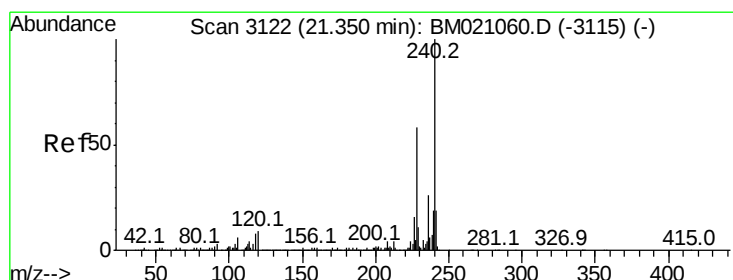
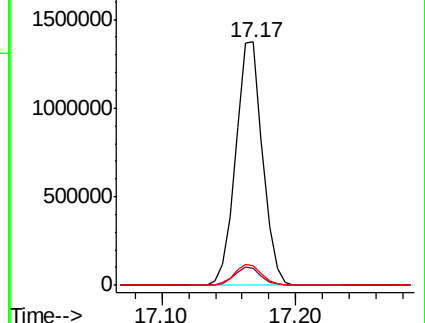
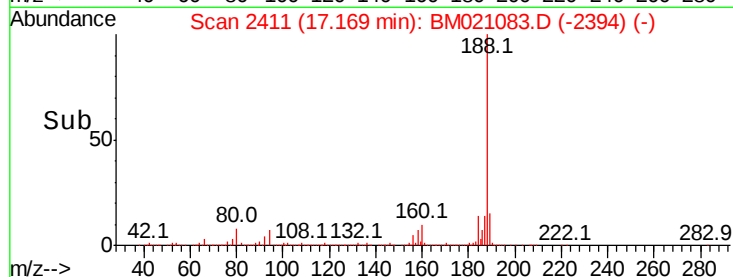
80 8.0 6.9 10.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

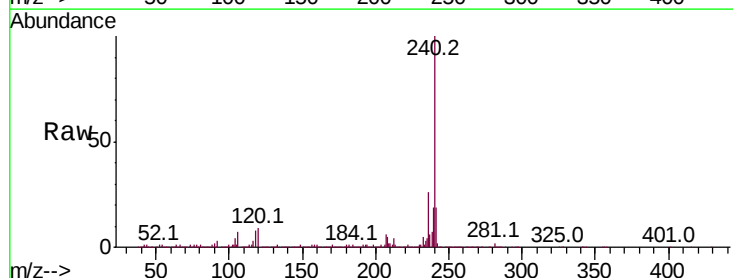
Tgt Ion:240 Resp: 1926536

Ion Ratio Lower Upper

240 100

120 9.0 6.9 10.3

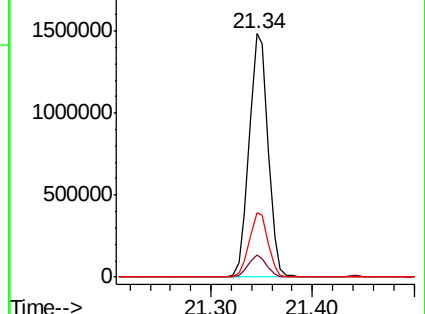
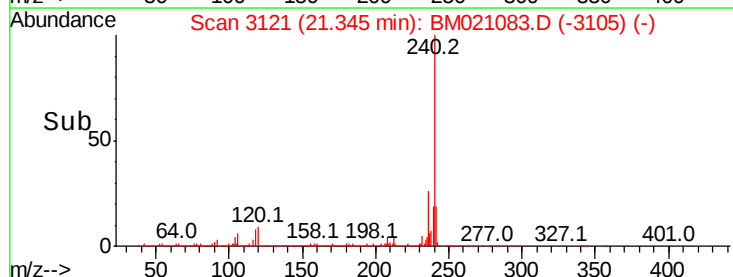
236 26.4 20.4 30.6

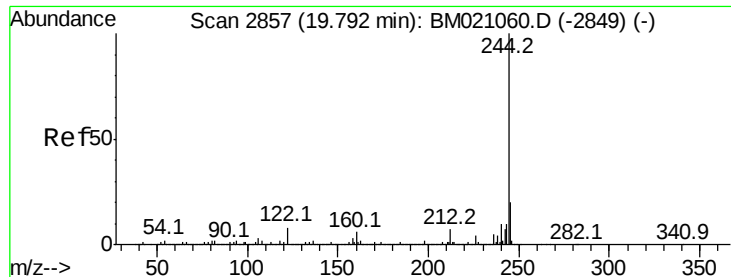


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 52.822 ng

RT: 19.79 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

Instrument :

BNA_M

ClientSampleId :

SS043MW011-190611

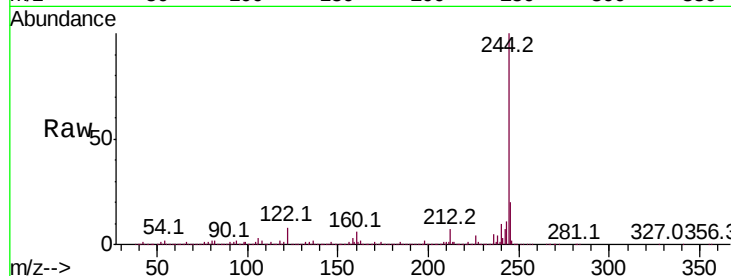
Tot Ion:244 Resp: 5448494

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

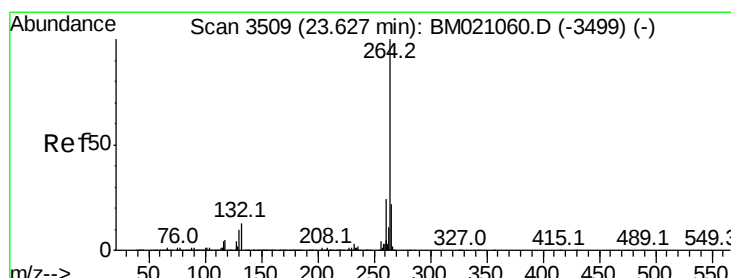
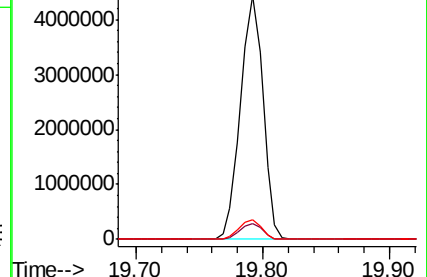
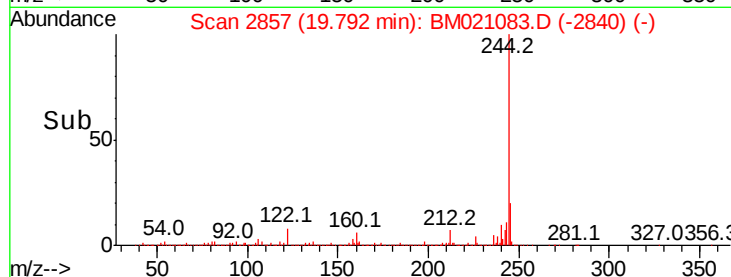
122 8.1 6.6 9.8



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: 23.63 min Scan# 3509

Delta R.T. 0.00 min

Lab File: BM021083.D

Acq: 21 Jun 2019 14:58

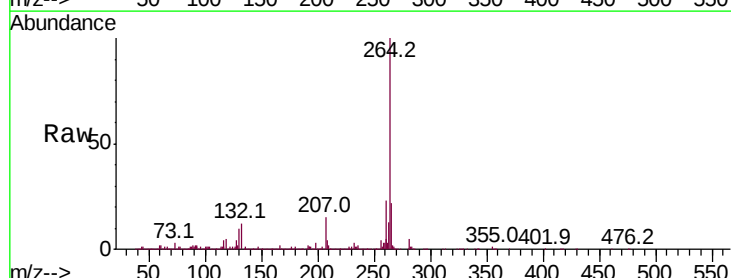
Tgt Ion:264 Resp: 1919740

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 22.2 17.7 26.5



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

