

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050319\
 Data File : BM020111.D
 Acq On : 03 May 2019 14:40
 Operator : JU/SJ
 Sample : K2617-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 03 15:36:56 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	96736	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	398329	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	277397	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	707507	20.00	ng	0.00
76) Chrysene-d12	21.36	240	739377	20.00	ng	0.00
87) Perylene-d12	23.64	264	833634	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	104796	17.71	ng	0.00
7) Phenol-d6	6.94	99	108278	13.39	ng	-0.01
23) Nitrobenzene-d5	8.95	82	185682	18.40	ng	-0.01
42) 2,4,6-Tribromophenol	15.92	330	126063	29.28	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	419426	18.60	ng	-0.01
79) Terphenyl-d14	19.80	244	824714	19.46	ng	0.00

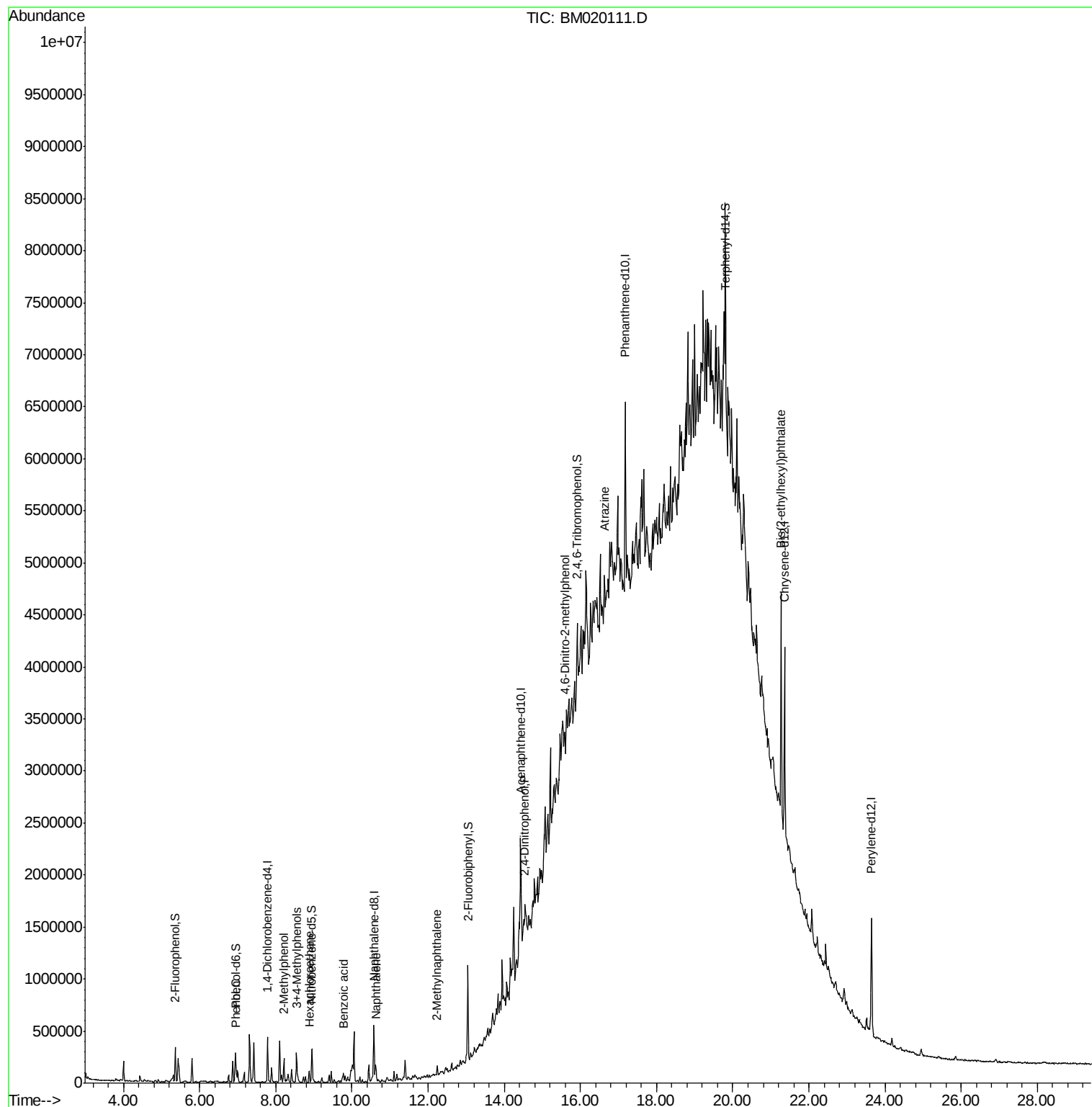
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.97	94	39830	4.576	ng	92
17) 2-Methylphenol	8.22	107	54978	9.813	ng	97
18) Hexachloroethane	8.88	117	10387	3.289	ng	# 1
20) 3+4-Methylphenols	8.55	107	95451	12.818	ng	91
31) Naphthalene	10.63	128	99765	4.826	ng	98
32) Benzoic acid	9.78	122	11499	9.261	ng	# 27
37) 2-Methylnaphthalene	12.24	142	36641	2.431	ng	94
54) 2,4-Dinitrophenol	14.53	184	344	8.595	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.60	198	3399	7.972	ng	# 1
69) Atrazine	16.63	200	17107	2.103	ng	# 20
84) Bis(2-ethylhexyl)phthalate	21.27	149	674353	24.074	ng	97

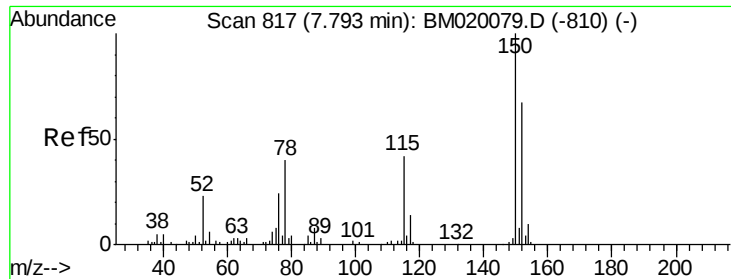
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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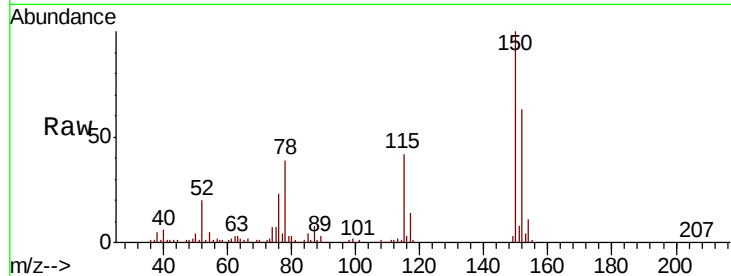


#1

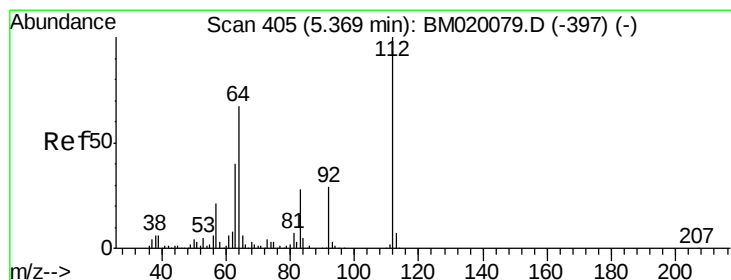
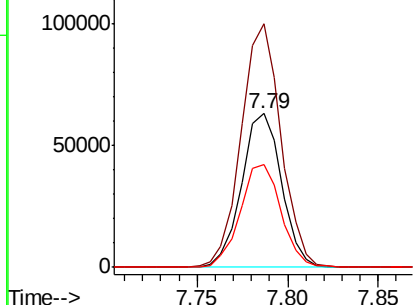
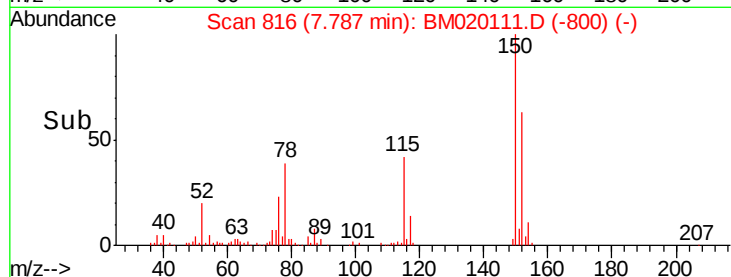
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 96736
Ion Ratio Lower Upper
152 100
150 158.5 119.8 179.8
115 66.5 50.8 76.2



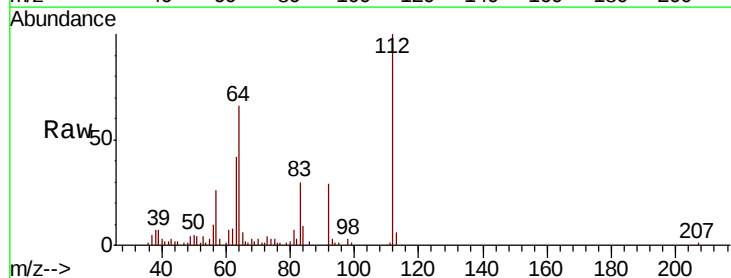
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



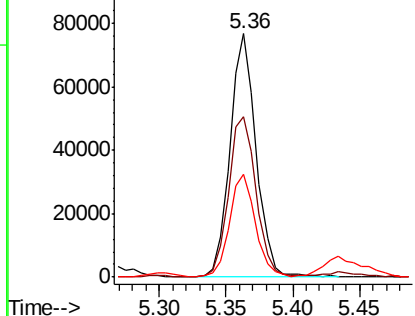
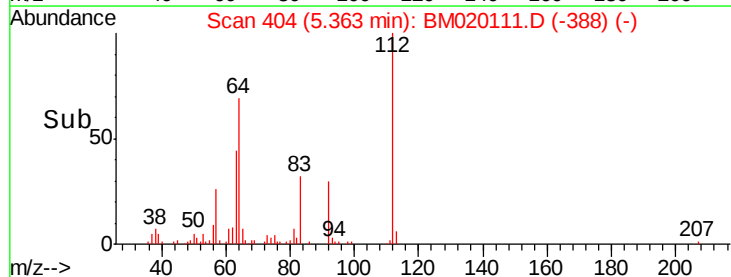
#5

2-Fluorophenol
Concen: 17.708 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Tgt Ion:112 Resp: 104796
Ion Ratio Lower Upper
112 100
64 65.9 53.8 80.6
63 42.0 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: 13.393 ng

RT: 6.94 min Scan# 672

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Instrument :

BNA_M

ClientSampled :

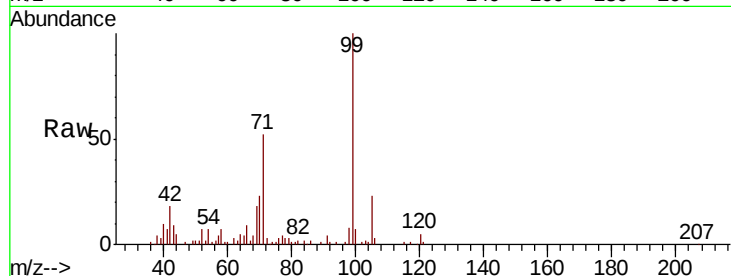
Tot Ion: 99 Resp: 108278

Ion Ratio Lower Upper

99 100

42 18.1 14.2 21.2

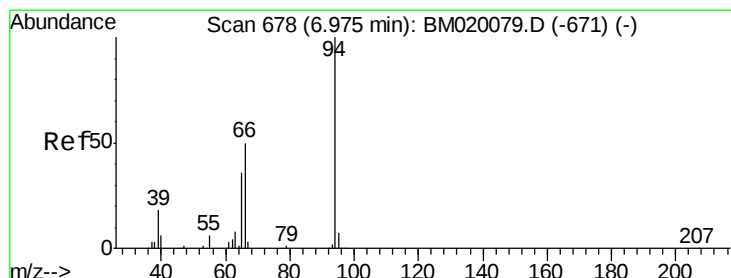
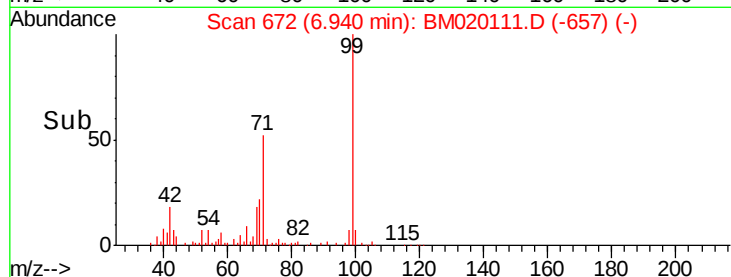
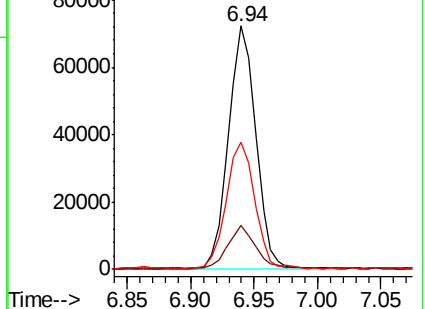
71 52.4 40.3 60.5



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) (-)



#10

Phenol

Concen: 4.576 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

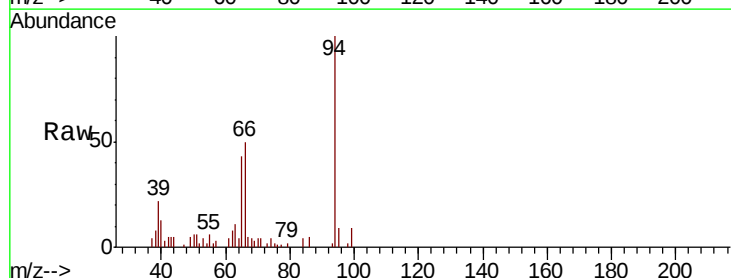
Tgt Ion: 94 Resp: 39830

Ion Ratio Lower Upper

94 100

65 42.7 17.0 57.0

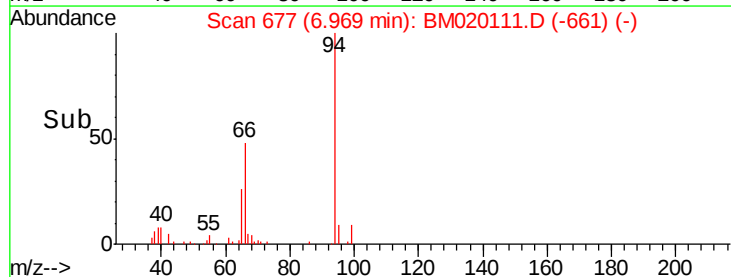
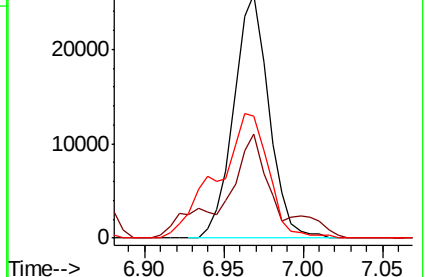
66 50.0 34.5 74.5

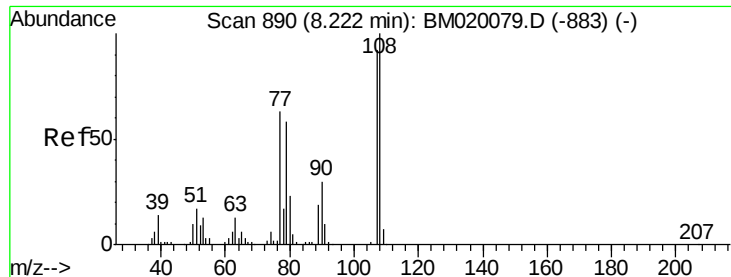


Abundance Ion 94.00 (93.70 to 94.70): BM020079.D (-671) (-)

Ion 65.00 (64.70 to 65.70): BM020079.D (-671) (-)

Ion 66.00 (65.70 to 66.70): BM020079.D (-671) (-)

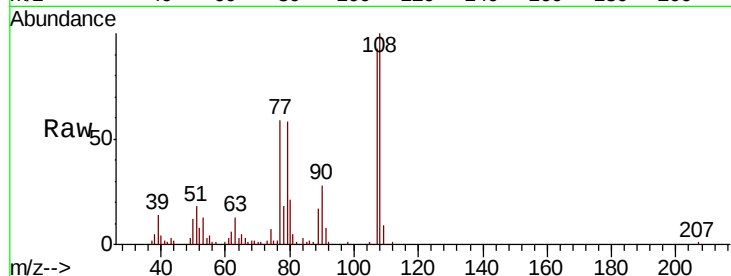




#17
2-Methylphenol
Concen: 9.813 ng
RT: 8.22 min Scan# 889
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	107	Resp:	54978
Ion	Ratio	Lower	Upper
107	100		
108	107.3	87.0	130.4
77	63.0	54.7	82.1
79	62.3	50.1	75.1



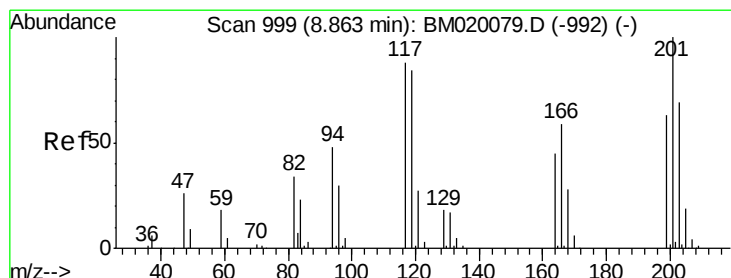
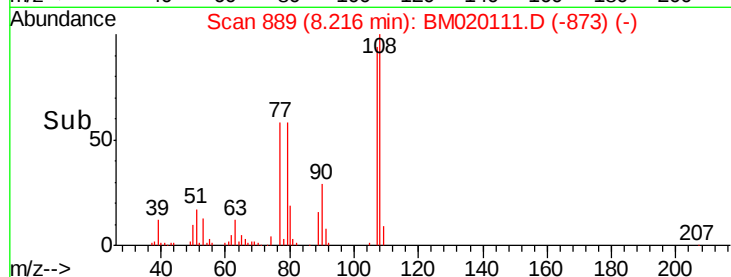
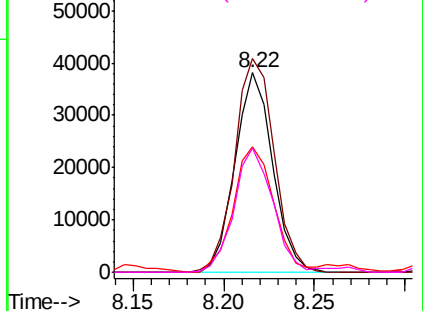
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

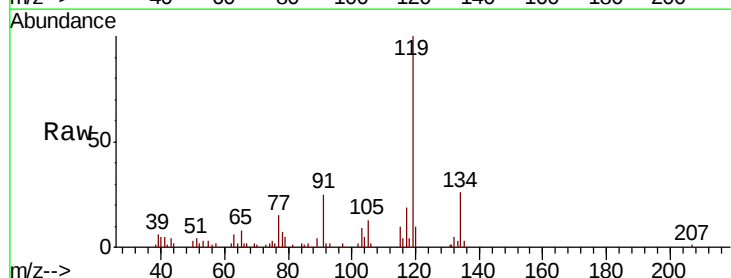
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18
Hexachloroethane
Concen: 3.289 ng
RT: 8.88 min Scan# 1002
Delta R.T. 0.02 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Tgt Ion:	117	Resp:	10387
Ion	Ratio	Lower	Upper
117	100		
119	537.2	76.6	114.8#
201	0.0	90.7	136.1#

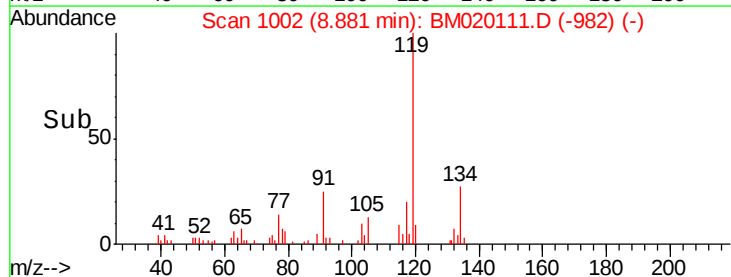
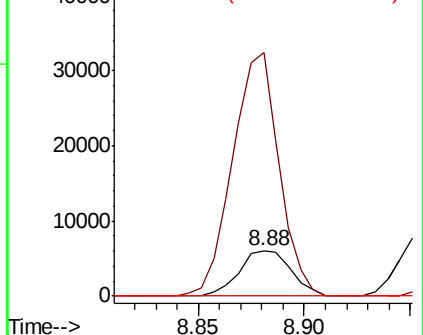


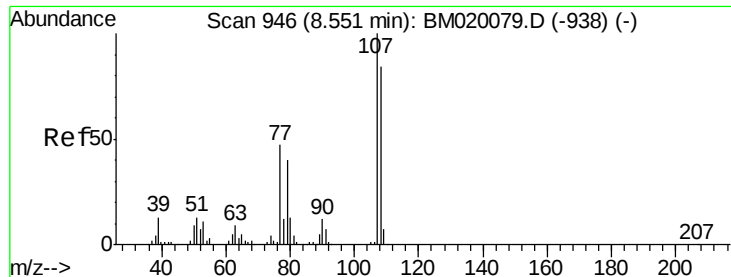
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 12.818 ng

RT: 8.55 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Instrument :

BNA_M

ClientSampleId :

Tot Ion:107 Resp: 95451

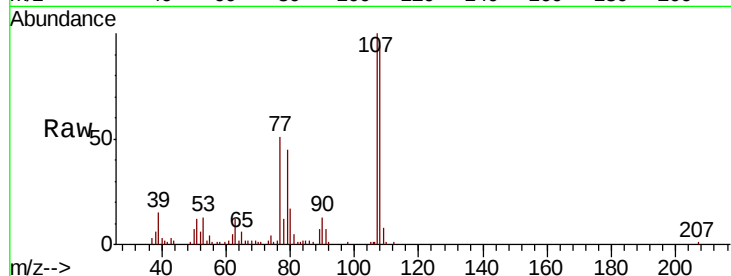
Ion Ratio Lower Upper

107 100

108 94.3 64.4 104.4

77 50.9 27.2 67.2

79 45.2 19.6 59.6

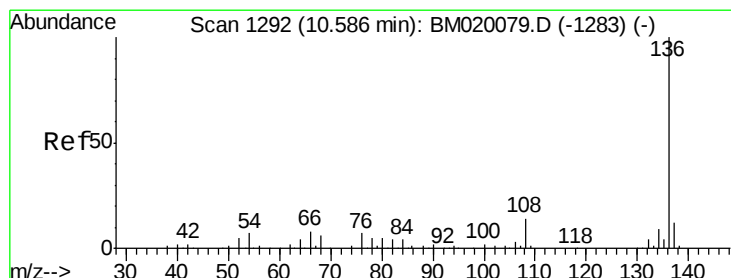
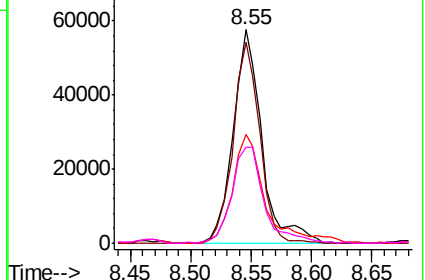
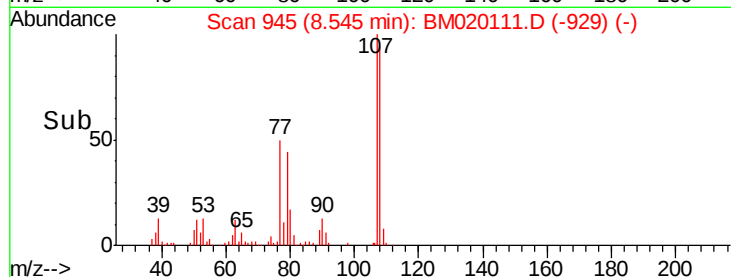


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Tgt Ion:136 Resp: 398329

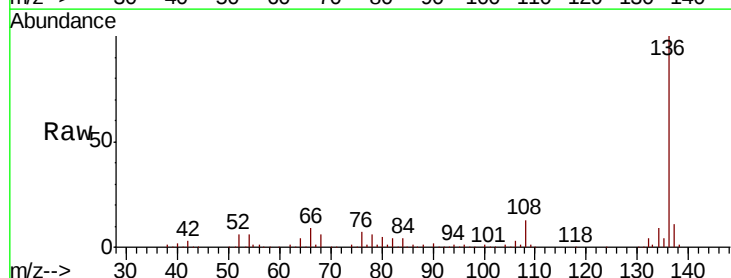
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 6.4 5.5 8.3

68 6.1 4.6 6.8

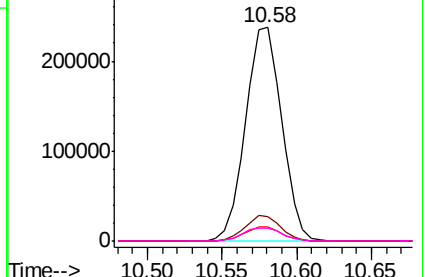
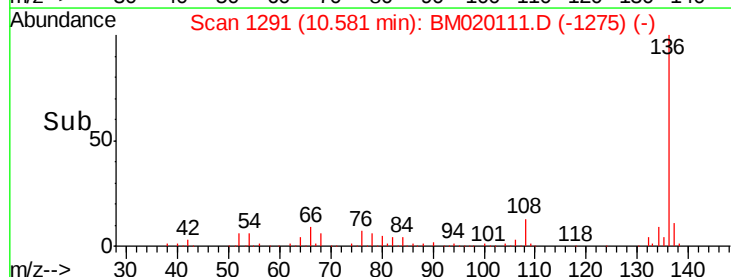


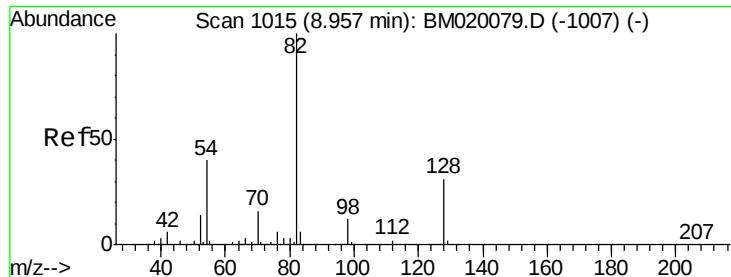
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

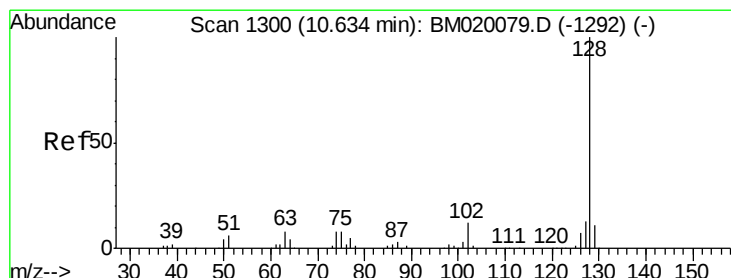
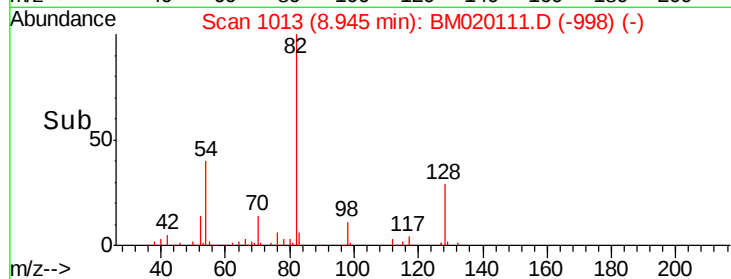
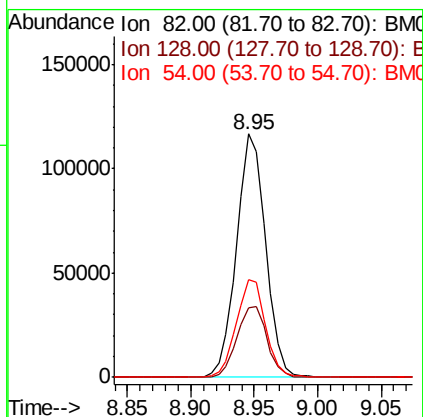
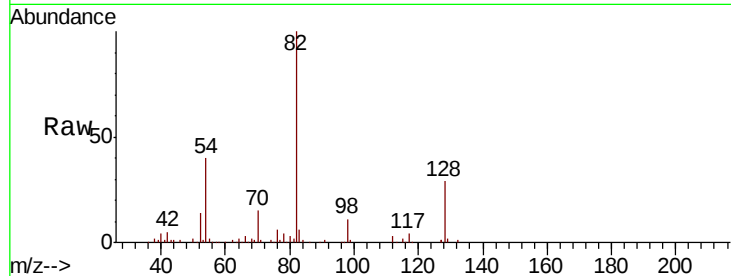




#23
Nitrobenzene-d5
Concen: 18.404 ng
RT: 8.95 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

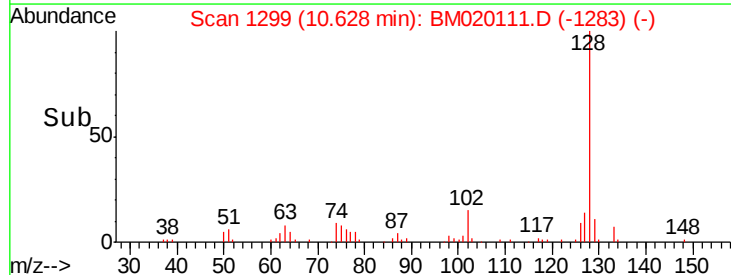
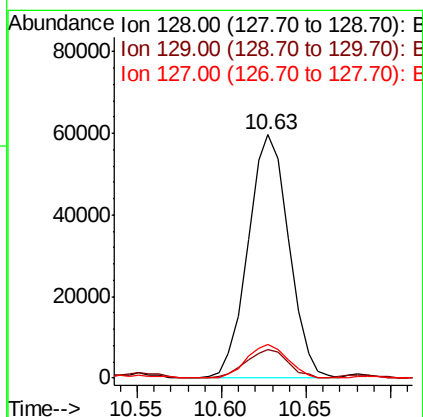
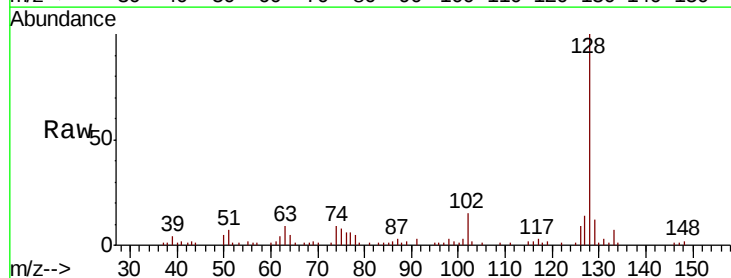
Instrument :
BNA_M
ClientSampleId :

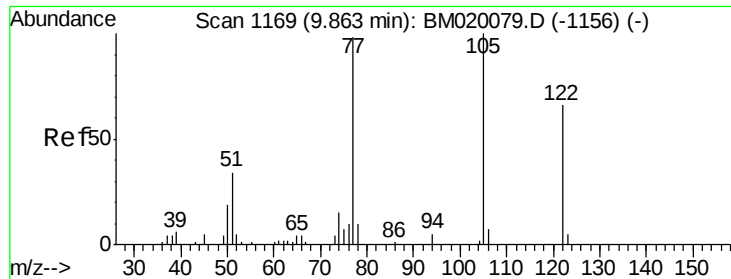
Tot Ion	82	Resp	185682
Ion Ratio	100	Lower	Upper
128	28.7	25.2	37.8
54	39.9	31.9	47.9



#31
Naphthalene
Concen: 4.826 ng
RT: 10.63 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Tgt Ion	128	Resp	99765
Ion Ratio	100	Lower	Upper
129	11.8	9.0	13.4
127	13.9	10.4	15.6

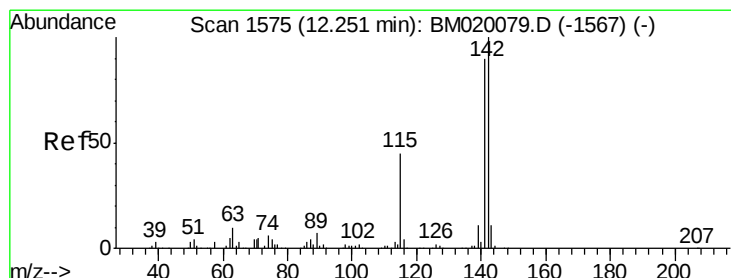
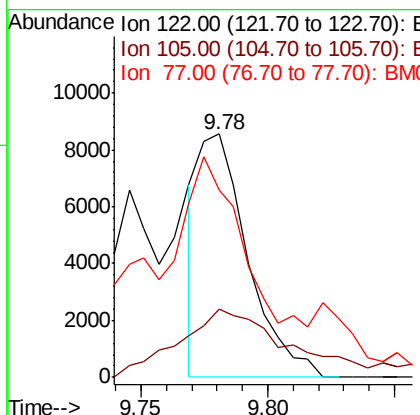
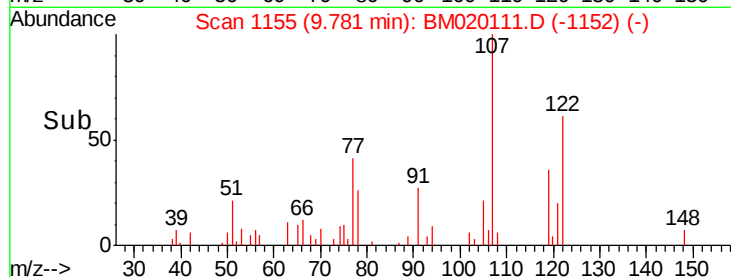
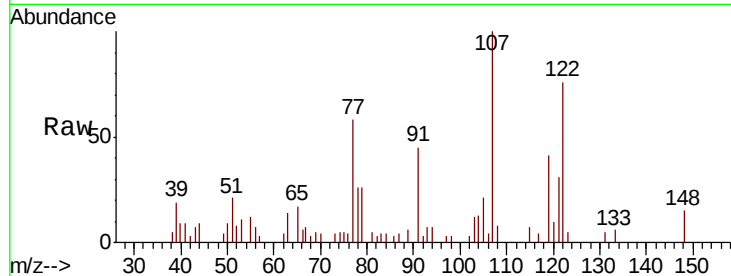




#32
Benzoic acid
Concen: 9.261 ng
RT: 9.78 min Scan# 1155
Delta R.T. -0.08 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

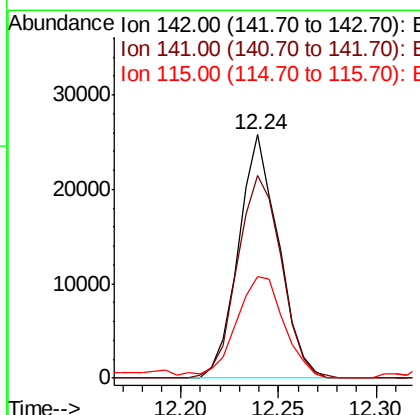
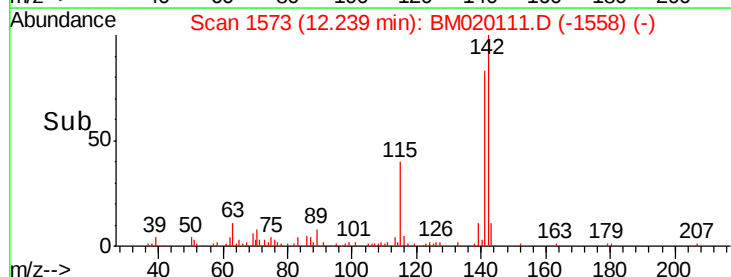
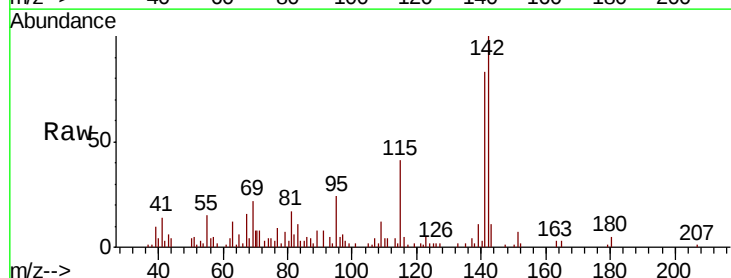
Instrument :
BNA_M
ClientSampled :

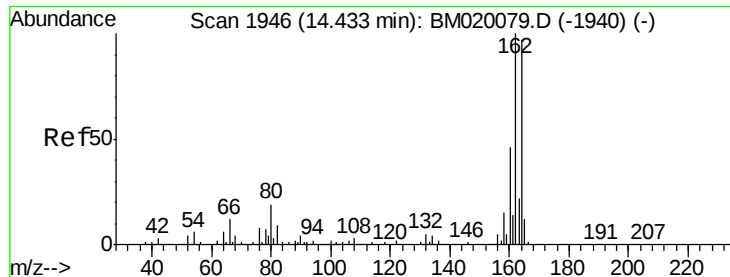
Tot Ion:122 Resp: 11499
Ion Ratio Lower Upper
122 100
105 27.9 122.5 162.5#
77 77.0 123.3 163.3#



#37
2-Methylnaphthalene
Concen: 2.431 ng
RT: 12.24 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Tgt Ion:142 Resp: 36641
Ion Ratio Lower Upper
142 100
141 83.2 71.6 107.4
115 41.4 35.8 53.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Instrument :

BNA_M

ClientSampled :

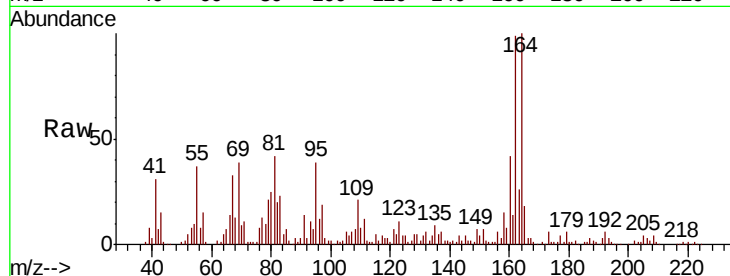
Tot Ion:164 Resp: 277397

Ion Ratio Lower Upper

164 100

162 99.1 82.2 123.2

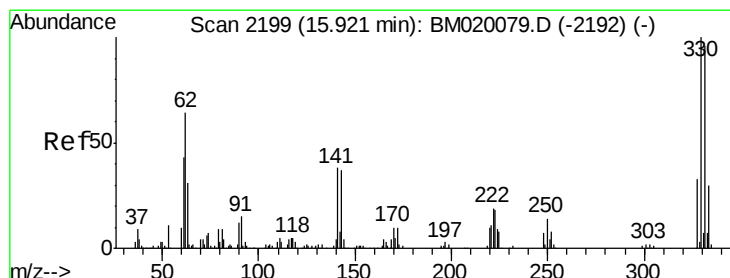
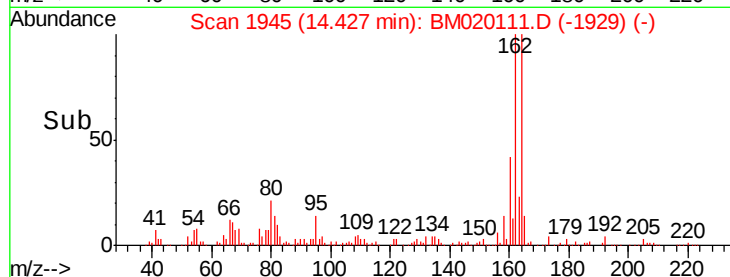
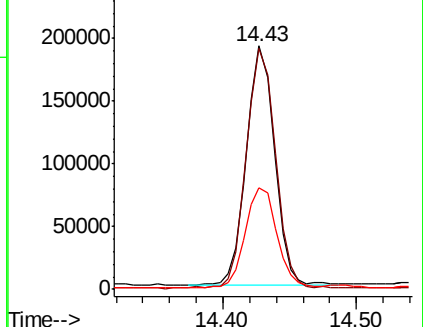
160 41.7 37.6 56.4



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: 29.278 ng

RT: 15.92 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

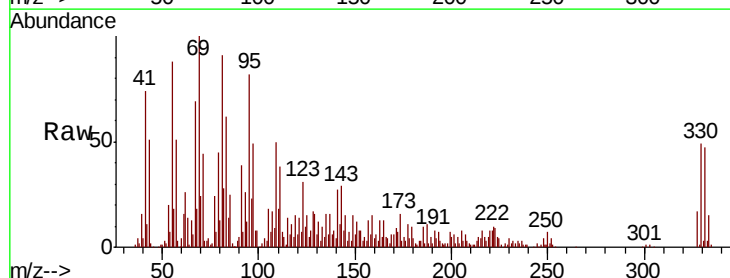
Tgt Ion:330 Resp: 126063

Ion Ratio Lower Upper

330 100

332 97.2 76.8 115.2

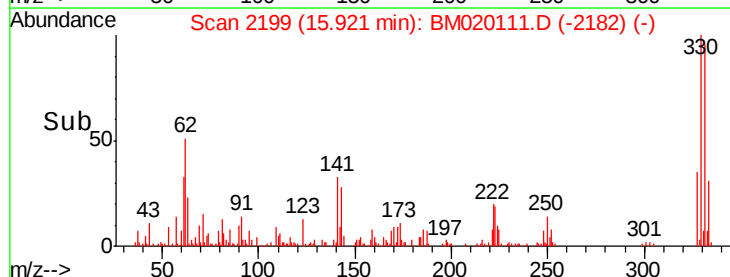
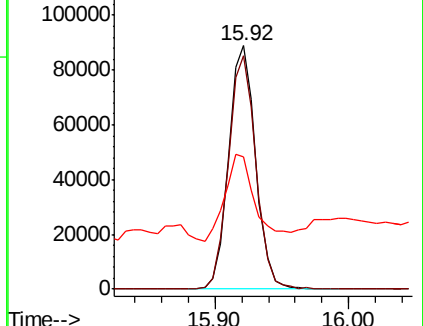
141 40.0 29.2 43.8

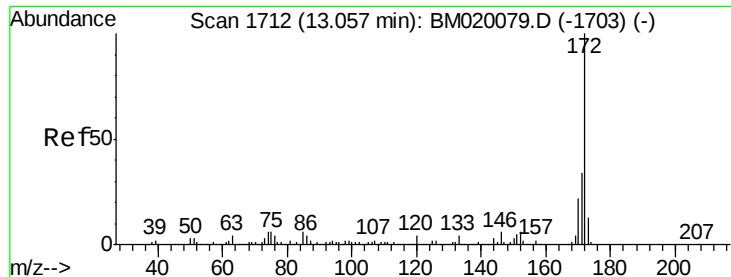


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

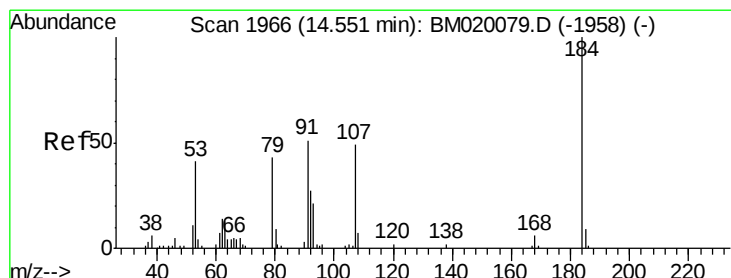
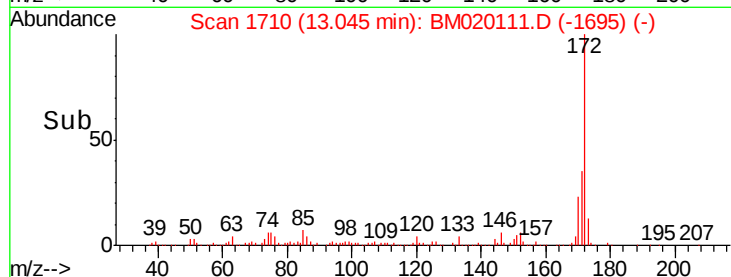
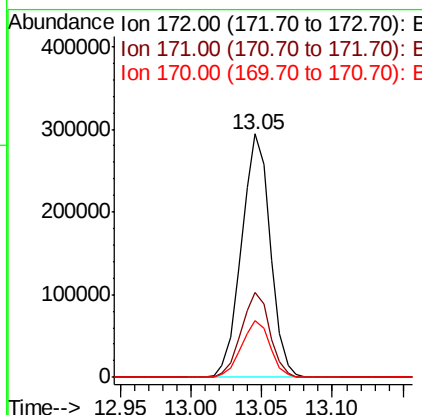
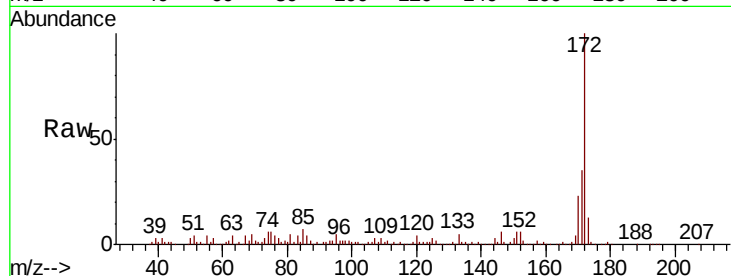




#45
 2-Fluorobiphenyl
 Concen: 18.603 ng
 RT: 13.05 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020111.D
 Acq: 03 May 2019 14:40

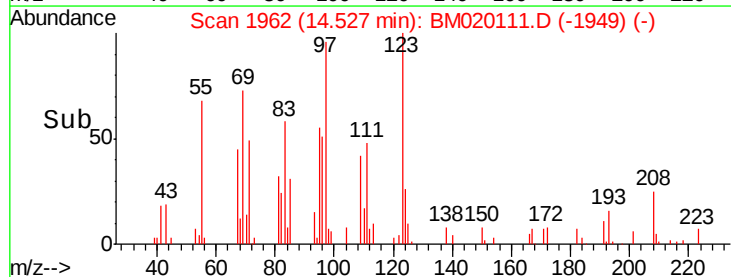
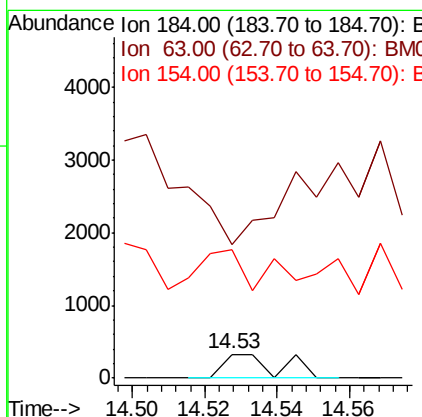
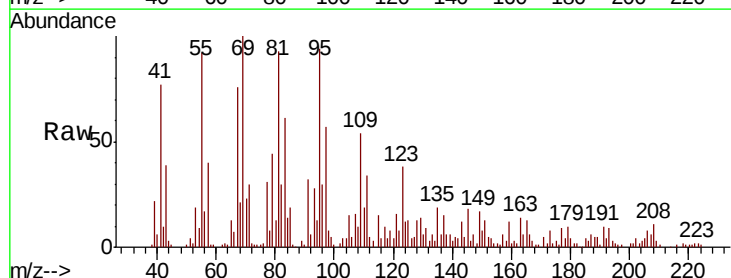
Instrument :
 BNA_M
 ClientSampleId :

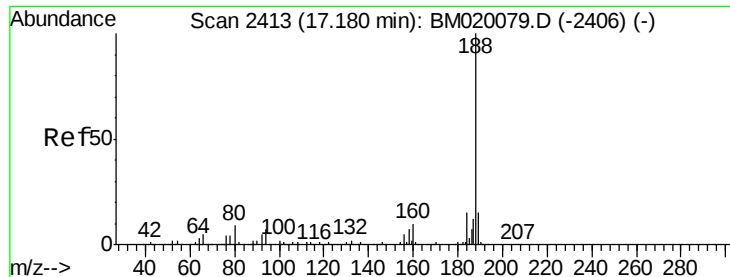
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.3	40.9
170	23.5	17.9	26.9



#54
 2,4-Dinitrophenol
 Concen: 8.595 ng
 RT: 14.53 min Scan# 1962
 Delta R.T. -0.02 min
 Lab File: BM020111.D
 Acq: 03 May 2019 14:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	557.4	68.9	103.3#
154	534.1	54.4	81.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Instrument :

BNA_M

ClientSampleId :

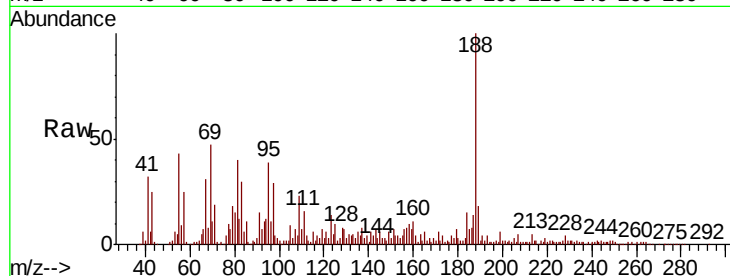
Tot Ion:188 Resp: 707507

Ion Ratio Lower Upper

188 100

94 12.2 5.8 8.6#

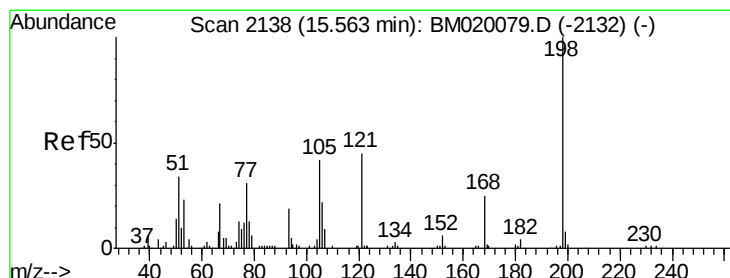
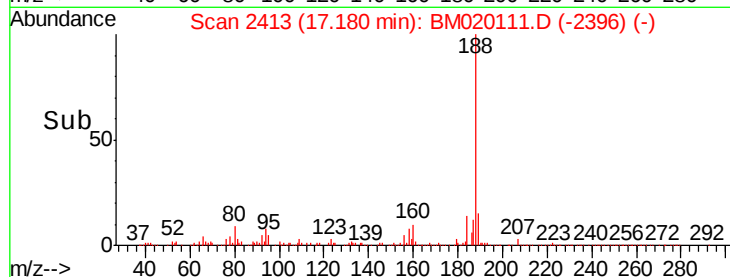
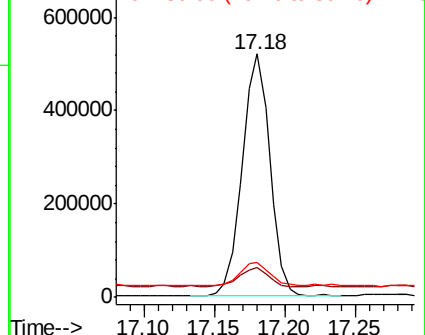
80 14.5 7.4 11.2#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.972 ng

RT: 15.60 min Scan# 2144

Delta R.T. 0.04 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

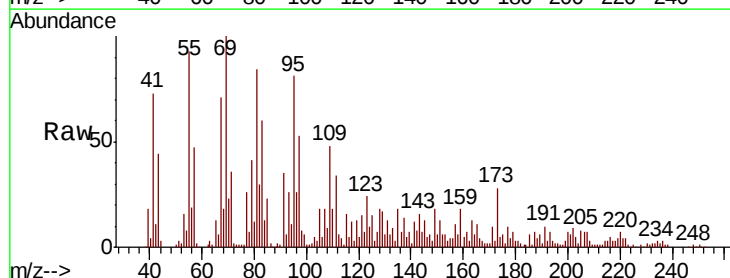
Tgt Ion:198 Resp: 3399

Ion Ratio Lower Upper

198 100

51 505.4 16.5 56.5#

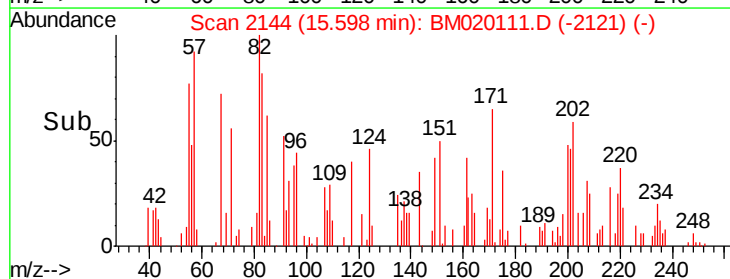
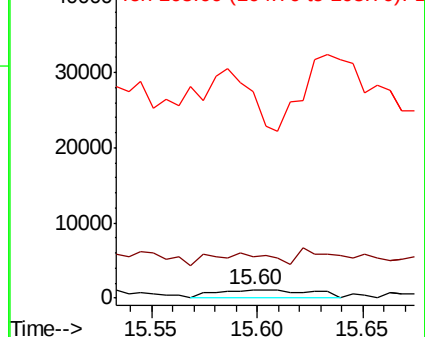
105 2540.5 22.8 62.8#

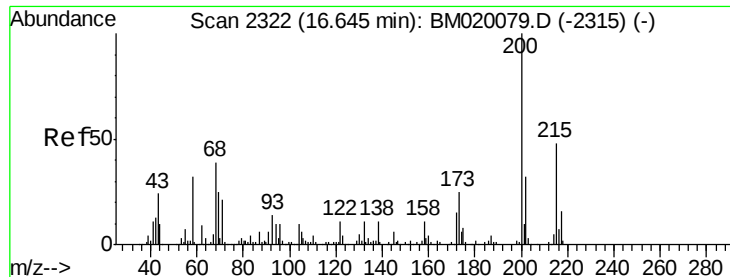


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

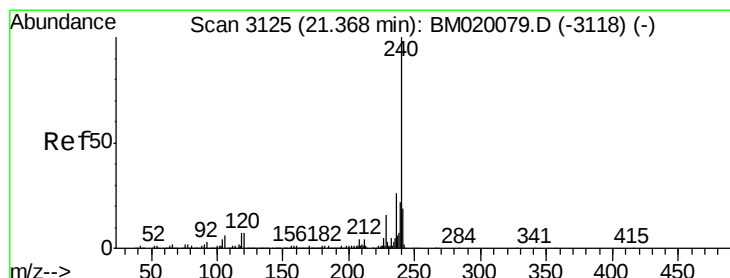
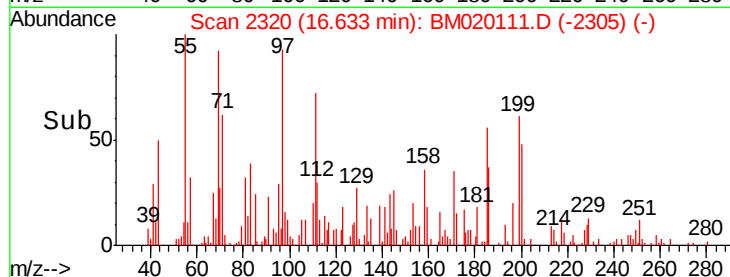
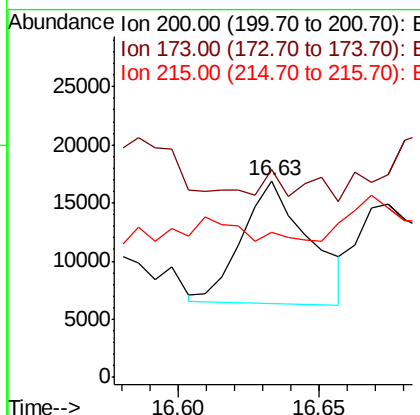
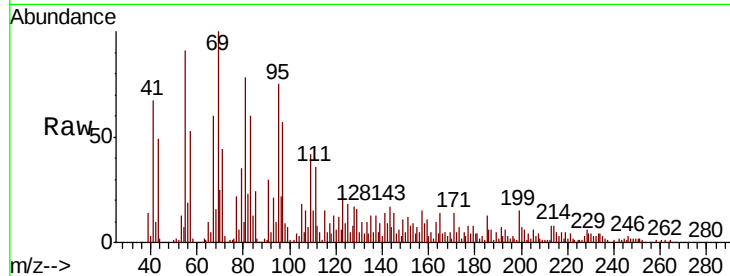




#69
Atrazine
Concen: 2.103 ng
RT: 16.63 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

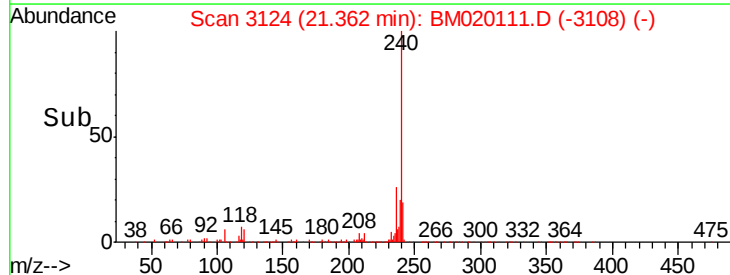
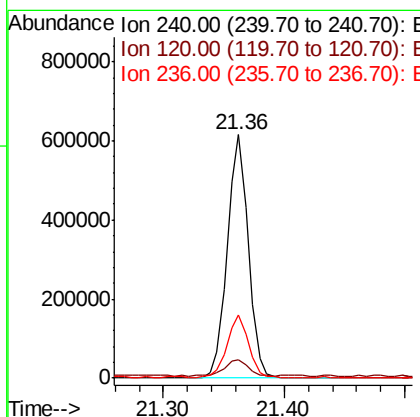
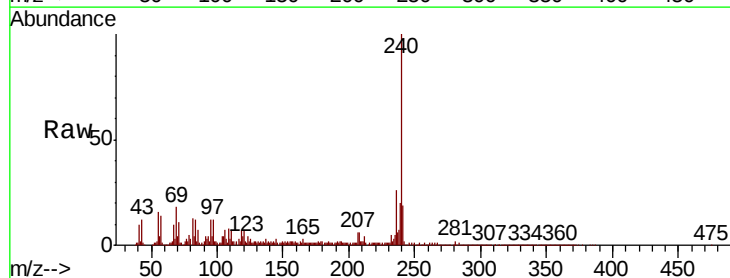
Instrument :
BNA_M
ClientSampleId :

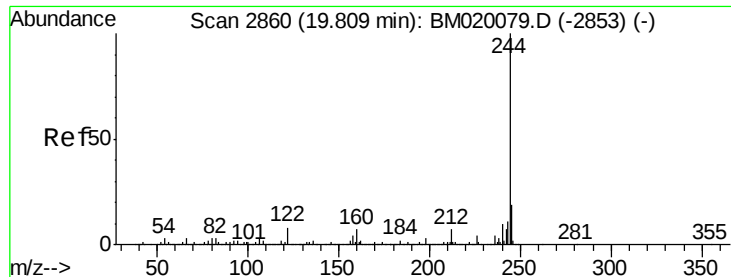
Tot Ion:200 Resp: 17107
Ion Ratio Lower Upper
200 100
173 105.7 4.6 44.6#
215 73.8 28.0 68.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Tgt Ion:240 Resp: 739377
Ion Ratio Lower Upper
240 100
120 7.4 5.6 8.4
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 19.455 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

Instrument :

BNA_M

ClientSampled :

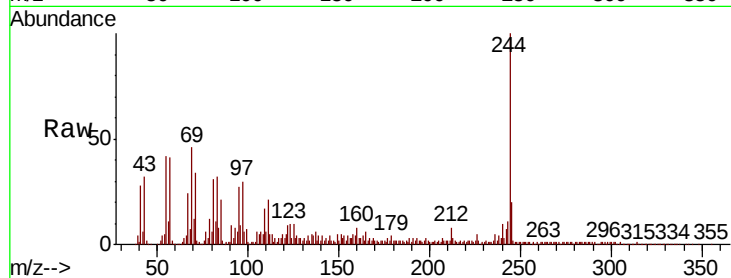
Tot Ion:244 Resp: 824714

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

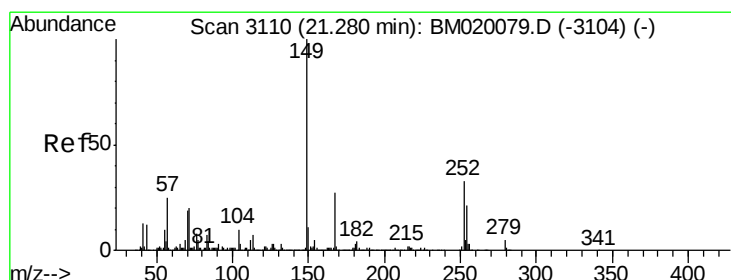
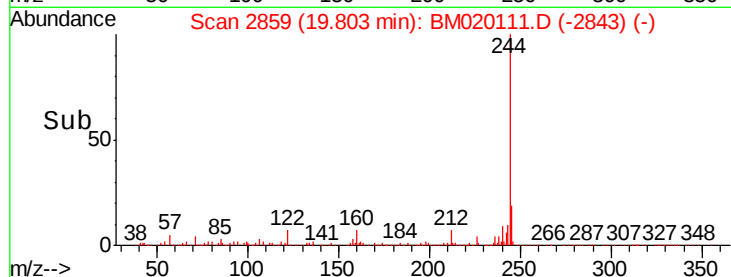
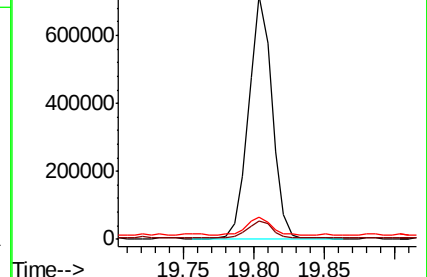
122 9.1 6.2 9.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 24.074 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020111.D

Acq: 03 May 2019 14:40

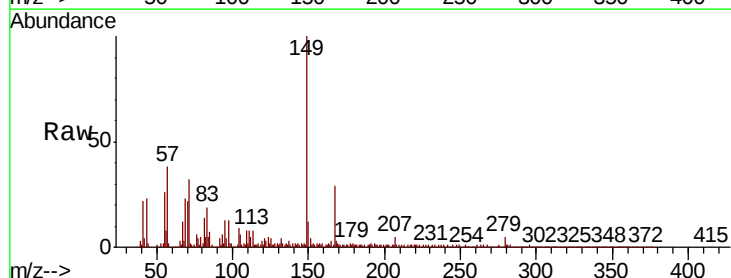
Tgt Ion:149 Resp: 674353

Ion Ratio Lower Upper

149 100

167 28.9 21.8 32.8

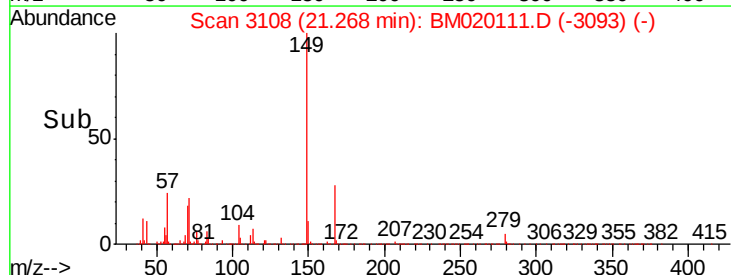
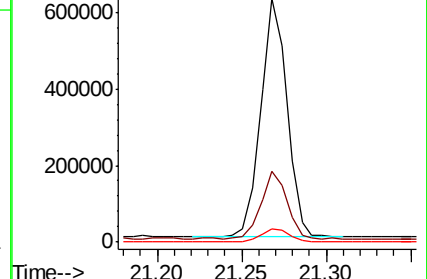
279 5.5 4.2 6.2

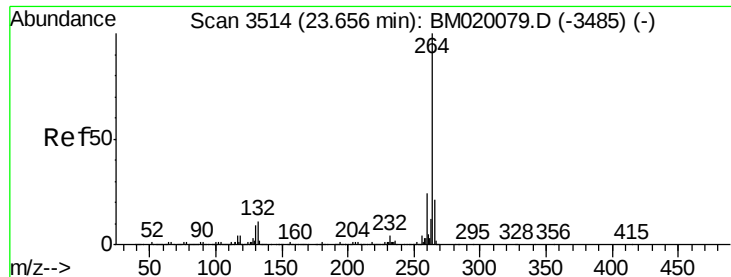


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

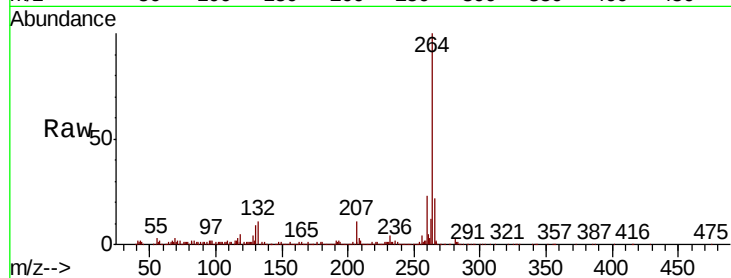




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM020111.D
Acq: 03 May 2019 14:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	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

