

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050119\
 Data File : BM020088.D
 Acq On : 01 May 2019 13:48
 Operator : JU/SJ
 Sample : PB119042BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 02 01:29:11 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	130597	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	467424	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	270094	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	623892	20.00	ng	0.00
76) Chrysene-d12	21.36	240	573301	20.00	ng	0.00
87) Perylene-d12	23.65	264	622159	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	897338	112.31	ng	0.00
7) Phenol-d6	6.95	99	1207901	110.67	ng	0.00
23) Nitrobenzene-d5	8.96	82	877399	74.11	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	444280	105.97	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1669464	76.05	ng	0.00
79) Terphenyl-d14	19.80	244	2580822	78.52	ng	0.00

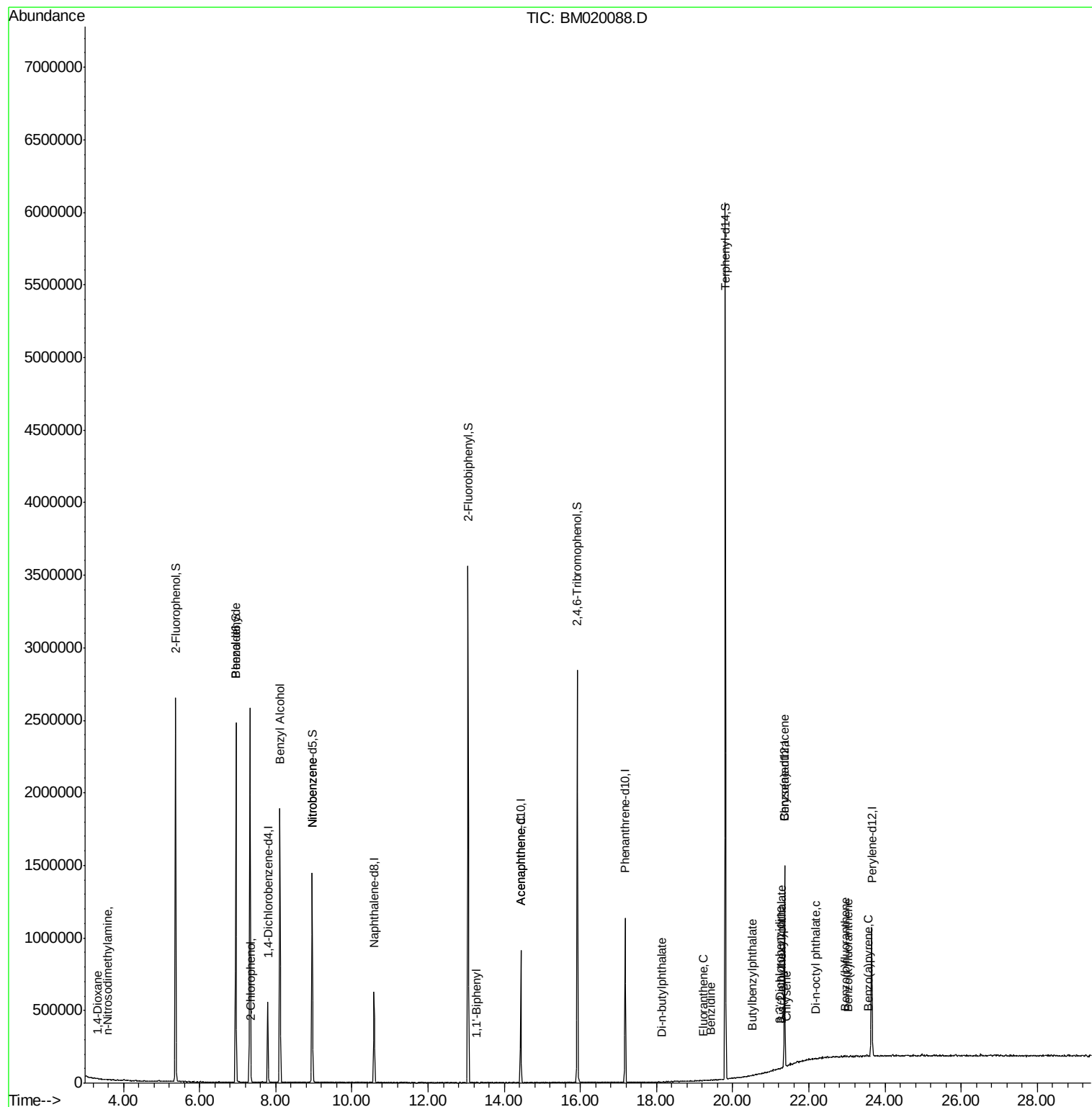
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	115	0.029	ng	# 1
4) n-Nitrosodimethylamine	3.60	42	281	0.087	ng	# 1
8) 2-Chlorophenol	7.35	128	115	0.013	ng	# 1
9) Benzaldehyde	6.95	77	3306	0.400	ng	# 12
15) Benzyl Alcohol	8.10	79	13200	1.254	ng	# 61
24) Nitrobenzene	8.95	77	3631	0.296	ng	# 40
46) 1,1'-Biphenyl	13.26	154	2227	0.100	ng	# 92
52) Acenaphthene	14.43	154	1242	0.076	ng	# 4
74) Di-n-butylphthalate	18.14	149	124	0.003	ng	# 76
75) Fluoranthene	19.24	202	136	0.003	ng	# 65
77) Benzidine	19.43	184	223	0.012	ng	# 66
80) Butylbenzylphthalate	20.50	149	439	0.031	ng	# 1
81) Benzo(a)anthracene	21.36	228	2628	0.065	ng	# 53
82) 3,3'-Dichlorobenzidine	21.24	252	132	0.009	ng	# 25
83) Chrysene	21.40	228	810	0.021	ng	# 50
84) Bis(2-ethylhexyl)phthalate	21.29	149	515	0.024	ng	# 53
85) Di-n-octyl phthalate	22.18	149	604	0.017	ng	# 1
88) Benzo(b)fluoranthene	22.96	252	585	0.014	ng	# 6
89) Benzo(k)fluoranthene	23.02	252	288	0.008	ng	# 1
90) Benzo(a)pyrene	23.57	252	239	0.006	ng	# 1

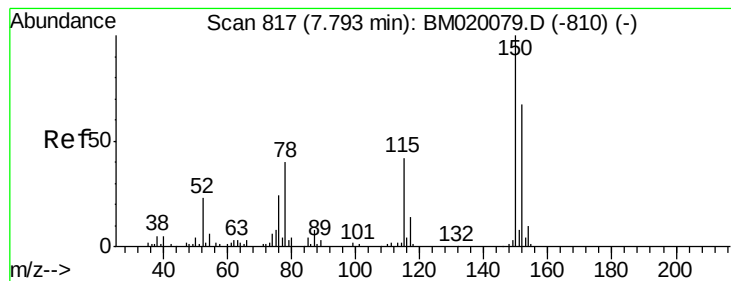
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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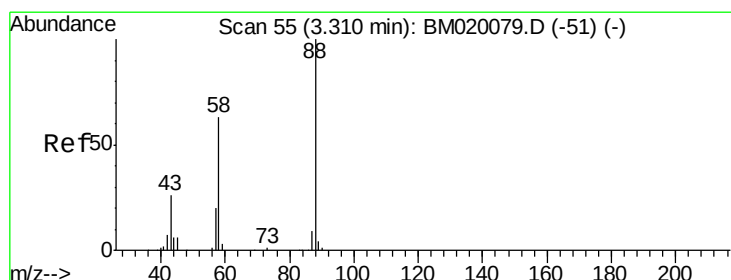
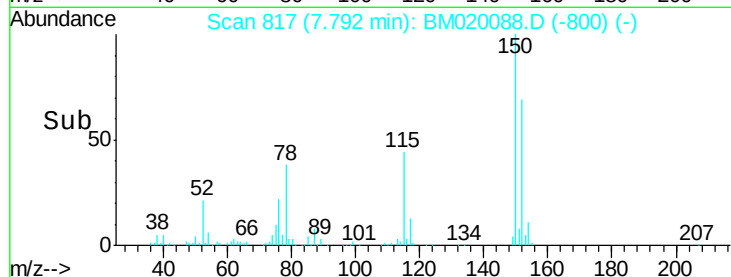
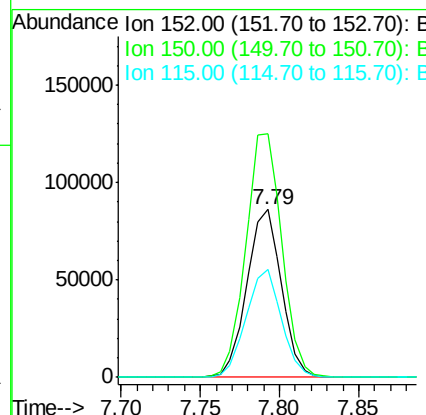
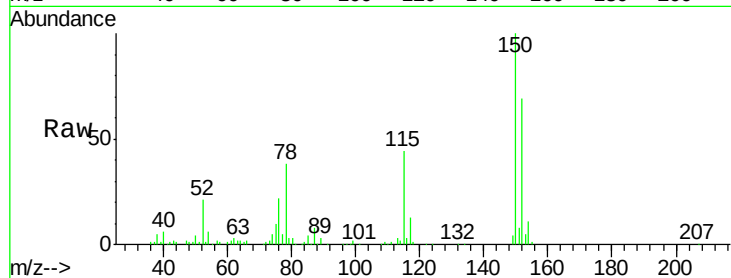


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Instrument :
BNA_M
ClientSampleId :

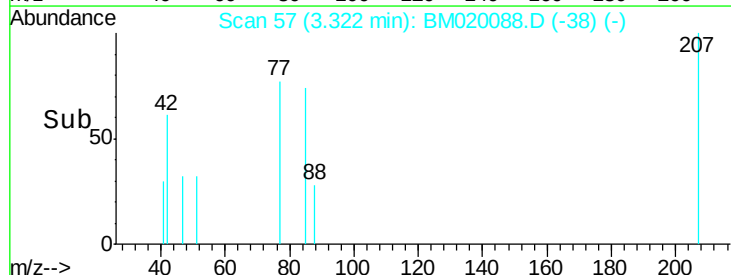
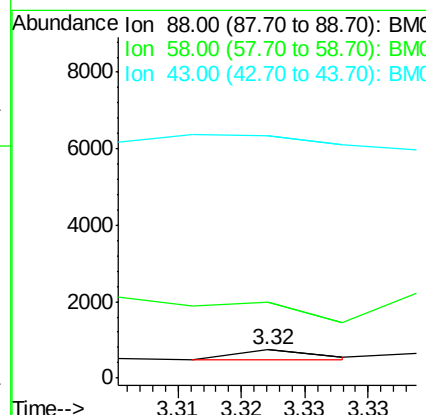
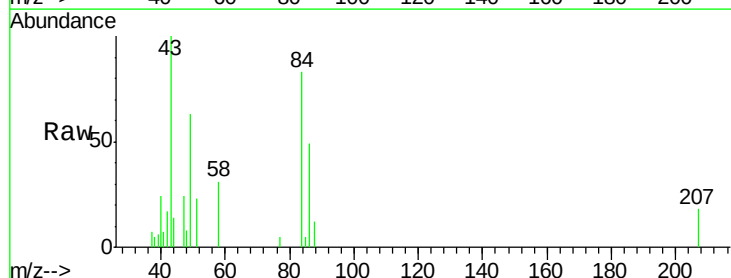
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	119.8	179.8
115	64.5	50.8	76.2

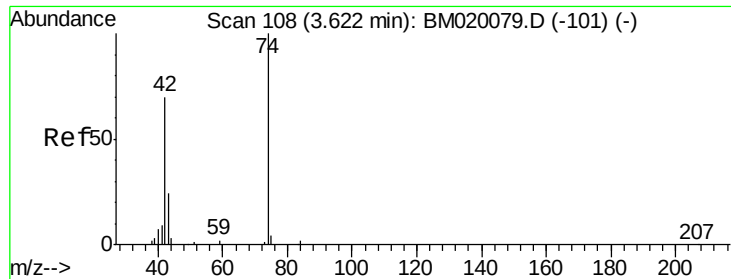


#2

1,4-Dioxane
Concen: 0.029 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.01 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	678.3	51.8	77.6#
43	2060.9	20.3	30.5#



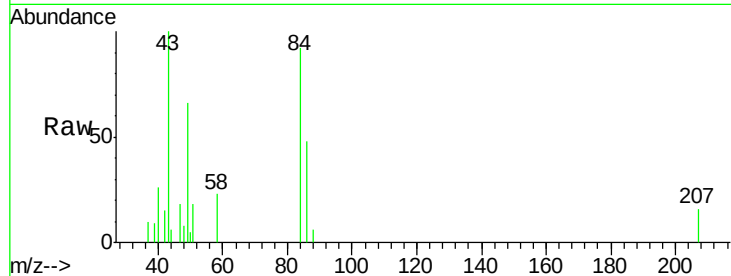


#4

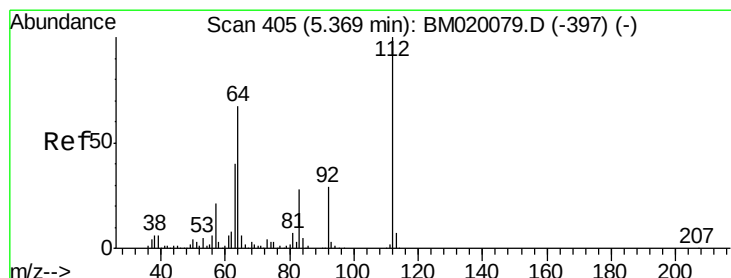
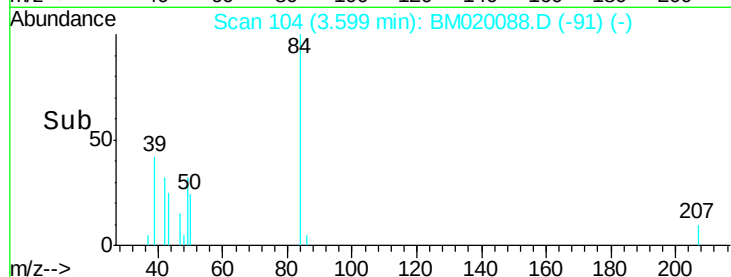
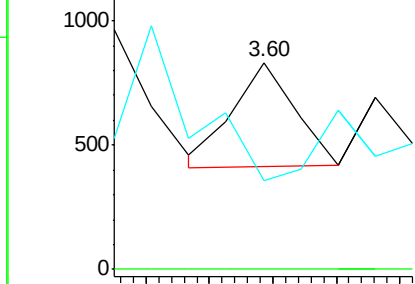
n-Nitrosodimethylamine
 Concen: 0.087 ng
 RT: 3.60 min Scan# 104
 Delta R.T. -0.02 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 42 Resp: 281
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.7 170.5#
 44 43.0 3.9 5.9#



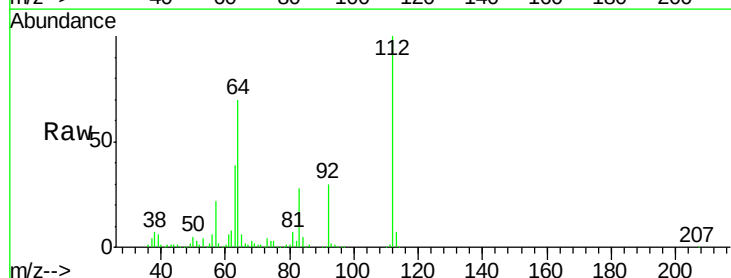
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



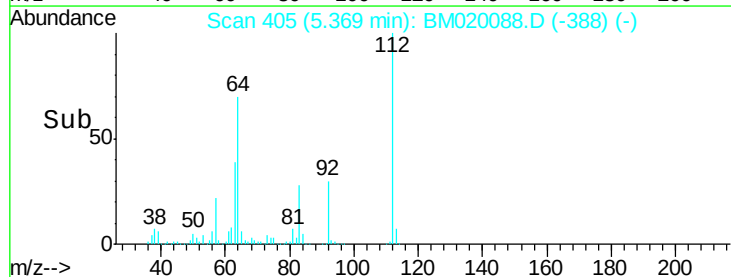
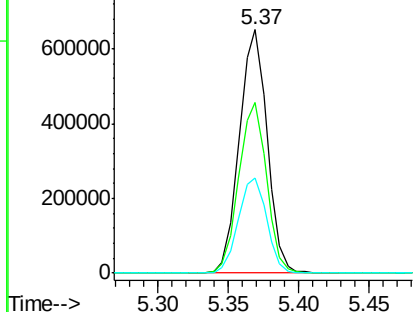
#5

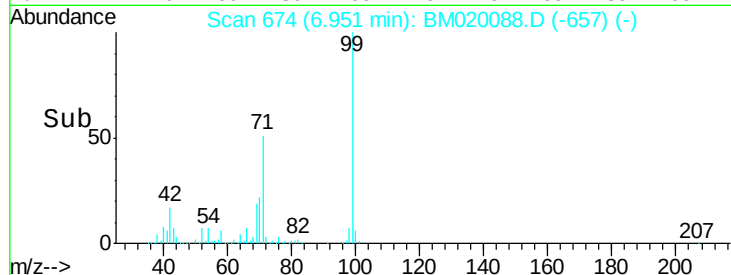
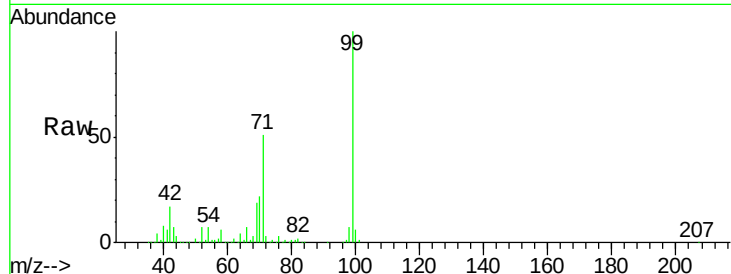
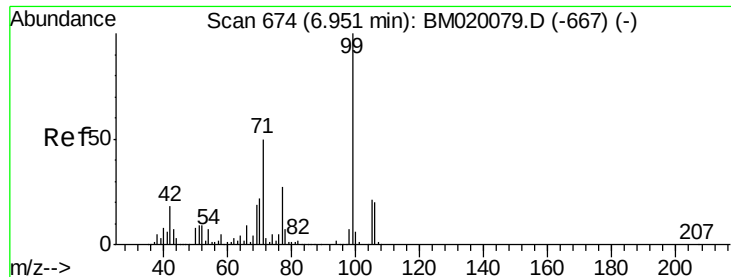
2-Fluorophenol
 Concen: 112.314 ng
 RT: 5.37 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion: 112 Resp: 897338
 Ion Ratio Lower Upper
 112 100
 64 69.9 53.8 80.6
 63 39.3 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: 110.665 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

Instrument :

BNA_M

ClientSampleId :

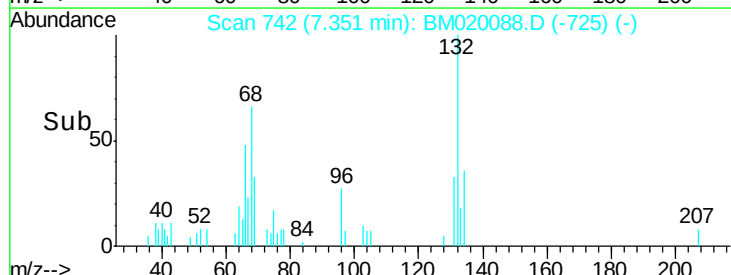
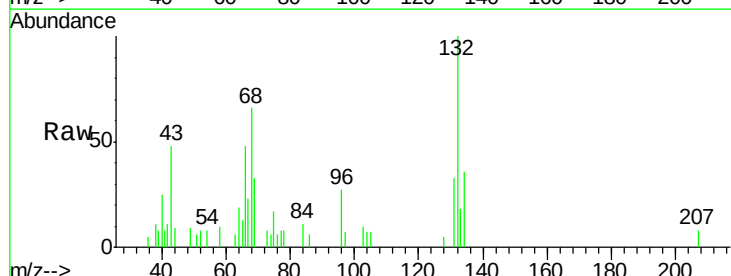
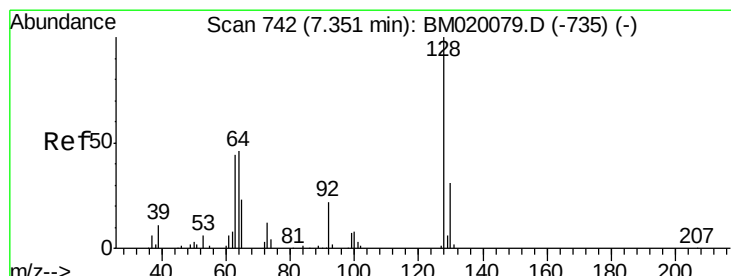
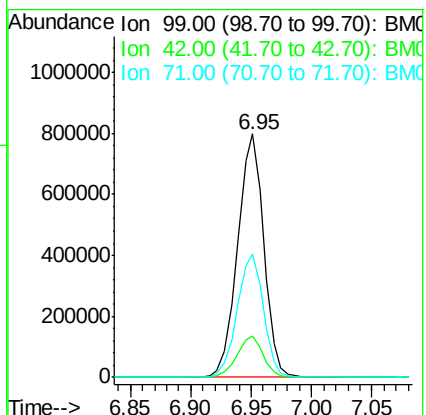
Tot Ion: 99 Resp: 1207901

Ion Ratio Lower Upper

99 100

42 16.9 14.2 21.2

71 50.9 40.3 60.5



#8

2-Chlorophenol

Concen: 0.013 ng

RT: 7.35 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

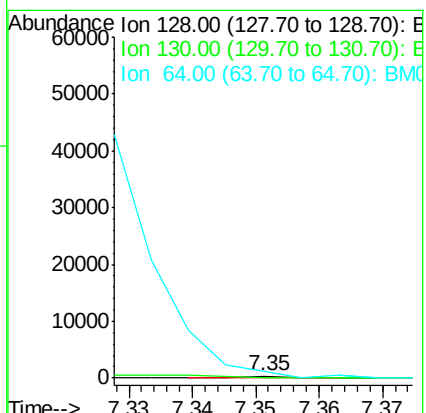
Tgt Ion: 128 Resp: 115

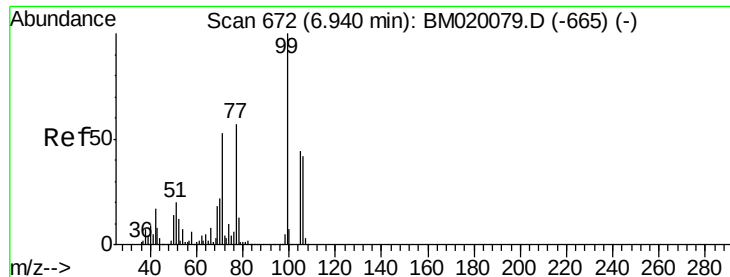
Ion Ratio Lower Upper

128 100

130 0.0 10.8 50.8#

64 351.7 36.5 76.5#





#9

Benzaldehyde

Concen: 0.400 ng

RT: 6.95 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

Instrument :

BNA_M

ClientSampled :

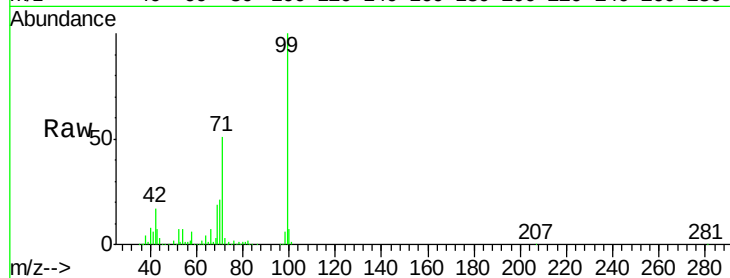
Tot Ion: 77 Resp: 3306

Ion Ratio Lower Upper

77 100

105 0.0 57.8 97.8#

106 0.0 53.6 93.6#

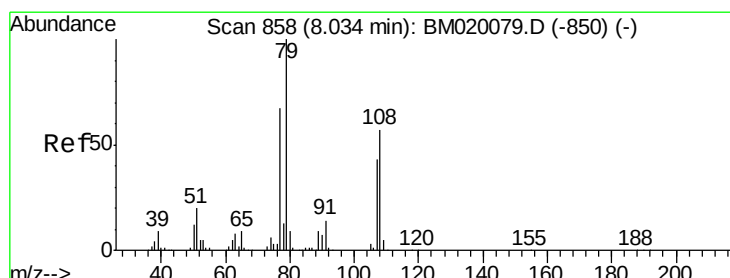
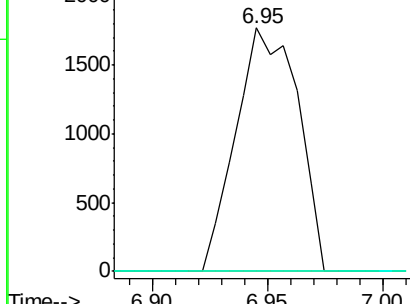
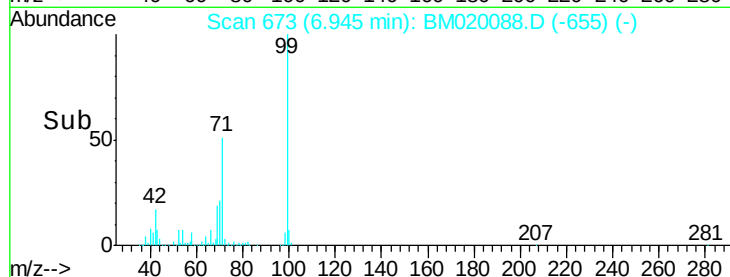


Abundance Ion 77.00 (76.70 to 77.70): BM020079.D (-665) (-)

Ion 105.00 (104.70 to 105.70): BM020079.D (-665) (-)

Ion 106.00 (105.70 to 106.70): BM020079.D (-665) (-)

Time-->



#15

Benzyl Alcohol

Concen: 1.254 ng

RT: 8.10 min Scan# 870

Delta R.T. 0.07 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

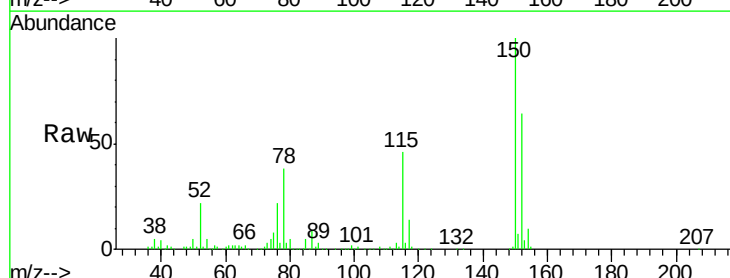
Tgt Ion: 79 Resp: 13200

Ion Ratio Lower Upper

79 100

108 37.4 46.0 69.0#

77 106.1 53.8 80.6#

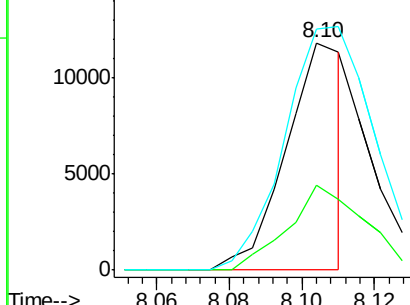
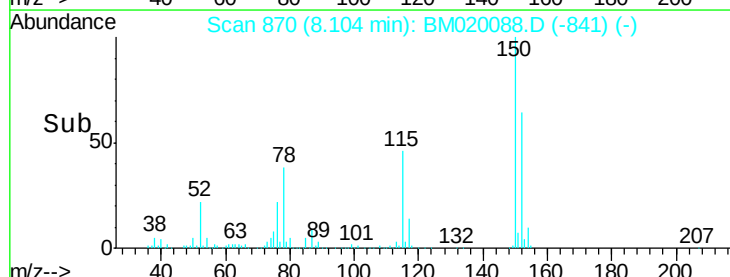


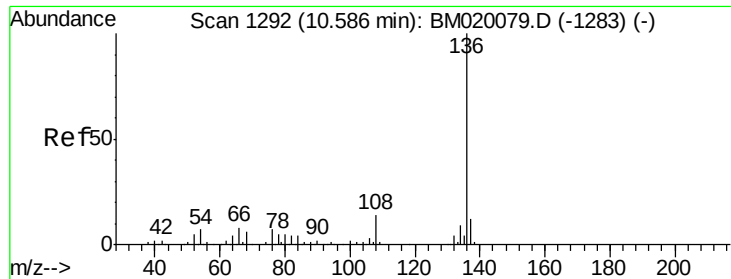
Abundance Ion 79.00 (78.70 to 79.70): BM020079.D (-850) (-)

Ion 108.00 (107.70 to 108.70): BM020079.D (-850) (-)

Ion 77.00 (76.70 to 77.70): BM020079.D (-850) (-)

Time-->

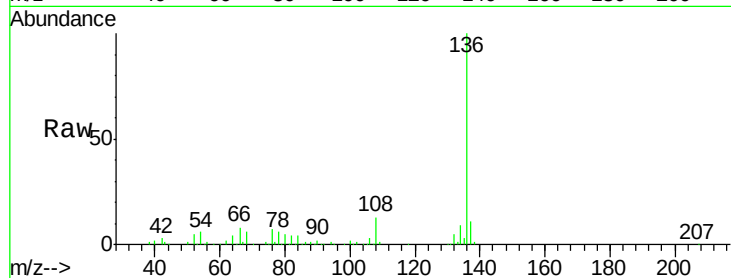




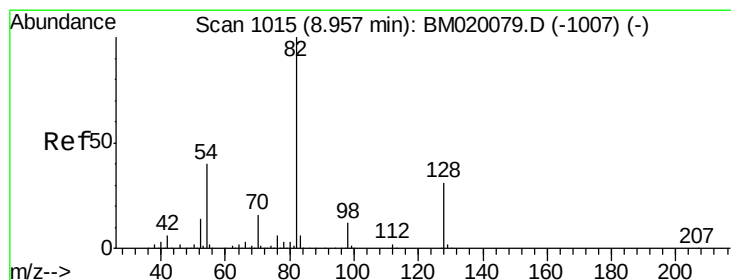
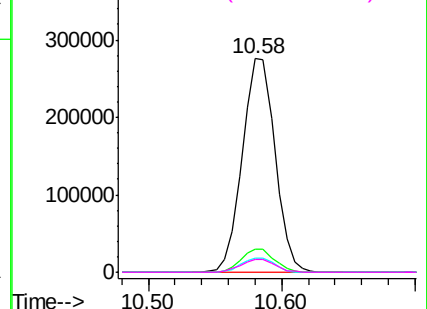
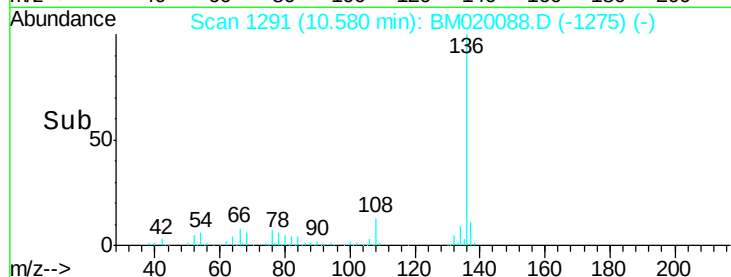
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp:	467424
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.6 14.4
54	6.3	5.5 8.3
68	6.0	4.6 6.8

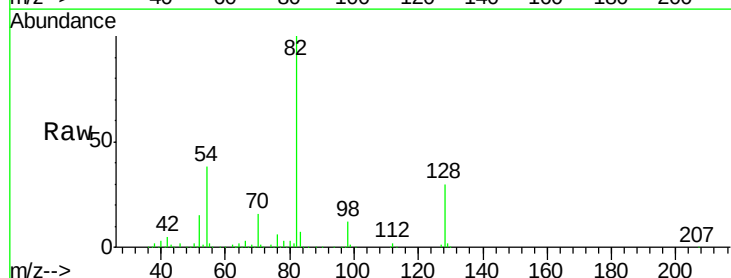


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

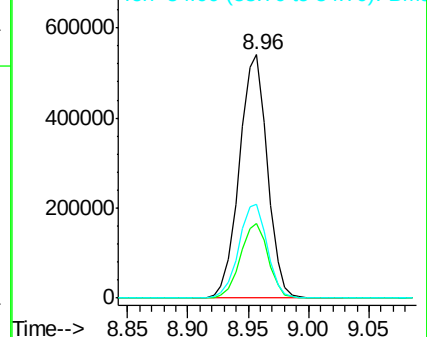
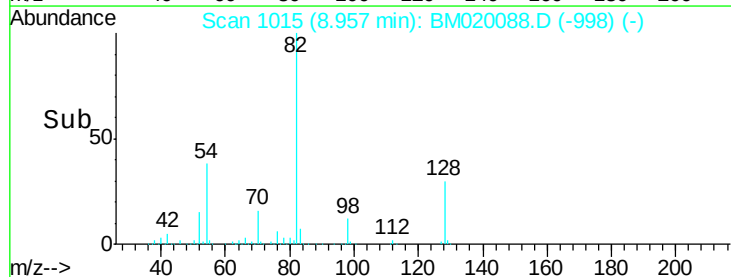


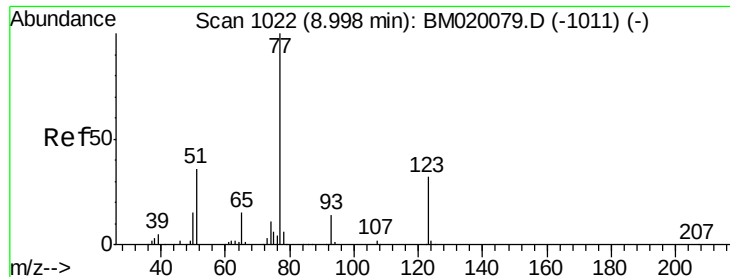
#23
Nitrobenzene-d5
Concen: 74.108 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Tgt Ion: 82	Resp:	877399
Ion	Ratio	Lower Upper
82	100	
128	30.4	25.2 37.8
54	38.4	31.9 47.9



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

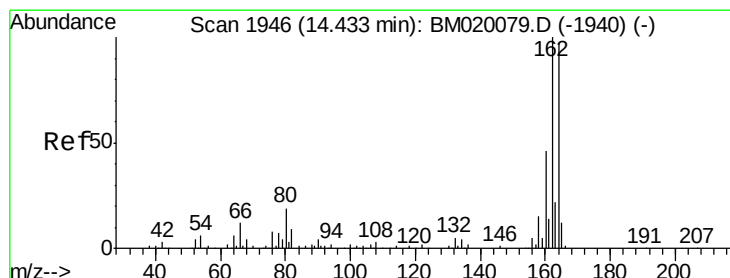
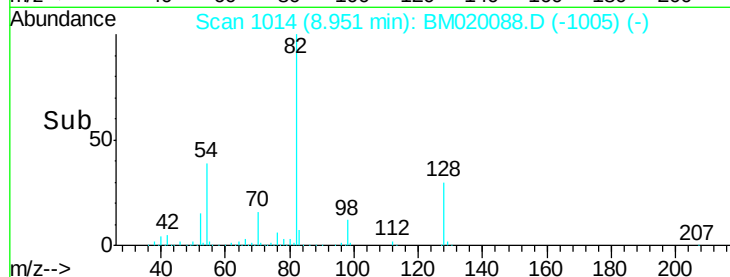
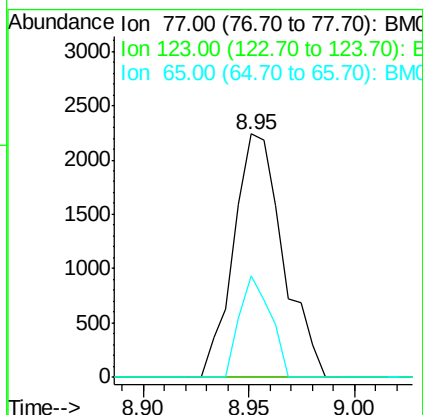
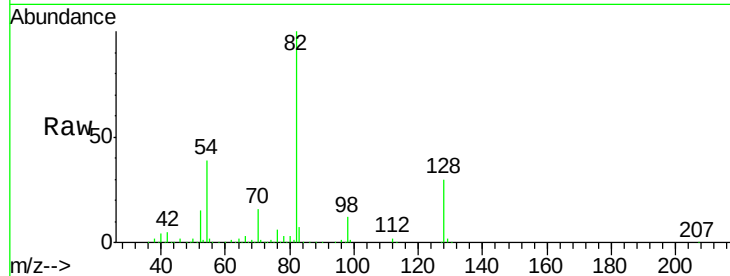




#24
 Nitrobenzene
 Concen: 0.296 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.05 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

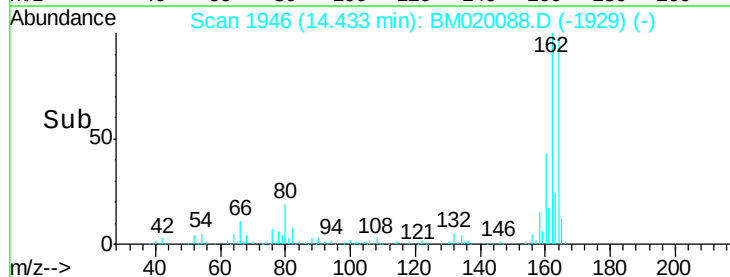
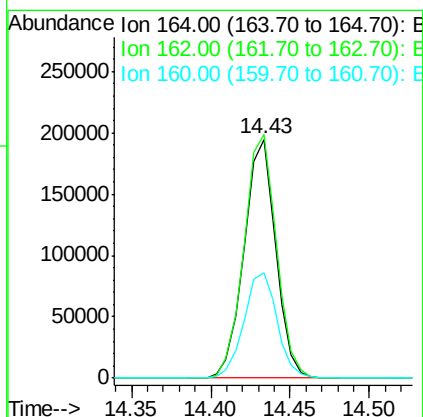
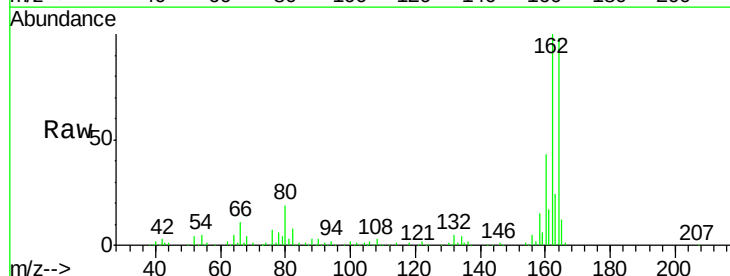
Instrument :
 BNA_M
 ClientSampleId :

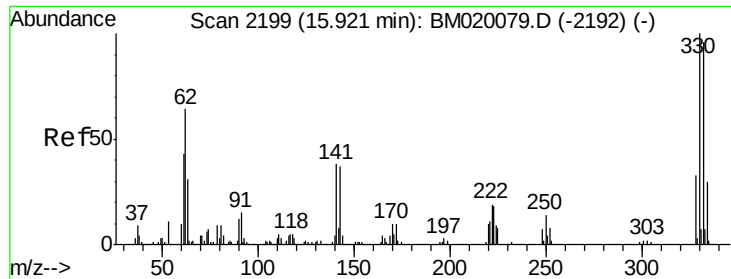
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	25.5	38.3#
65	41.7	11.8	17.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	44.1	37.6	56.4

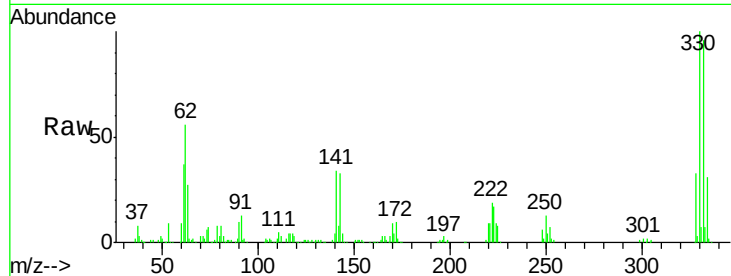




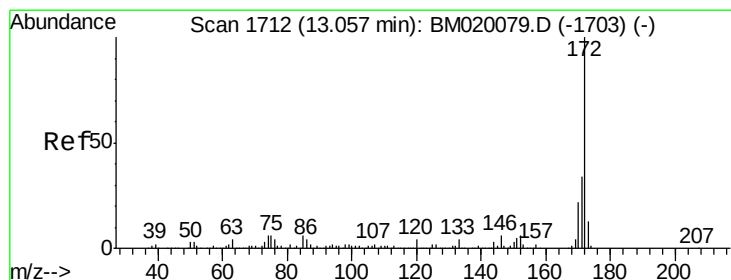
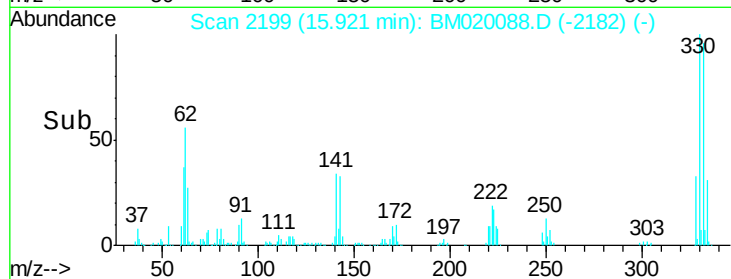
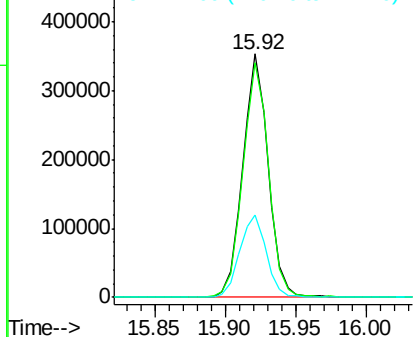
#42
 2,4,6-Tribromophenol
 Concen: 105.974 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.8	115.2
141	35.5	29.2	43.8

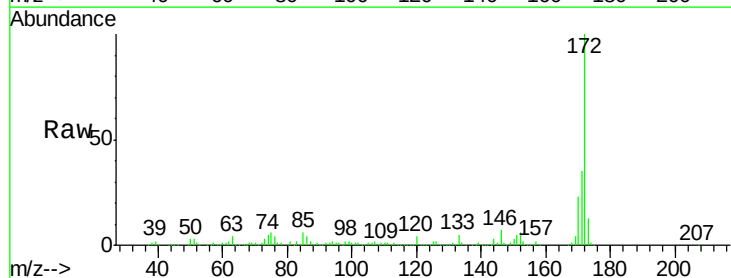


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

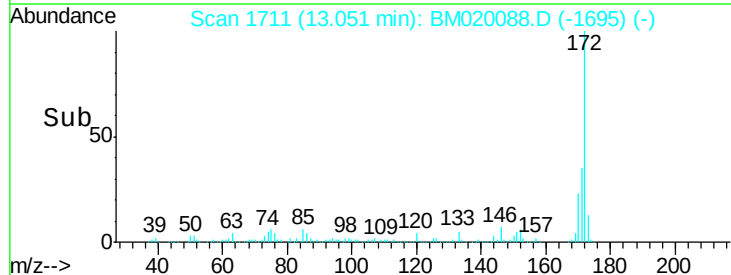
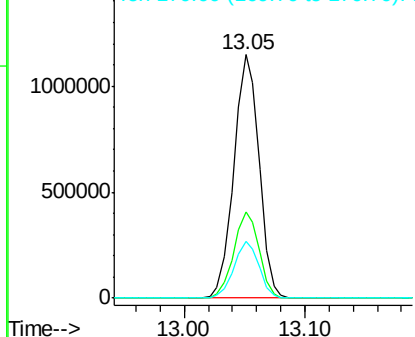


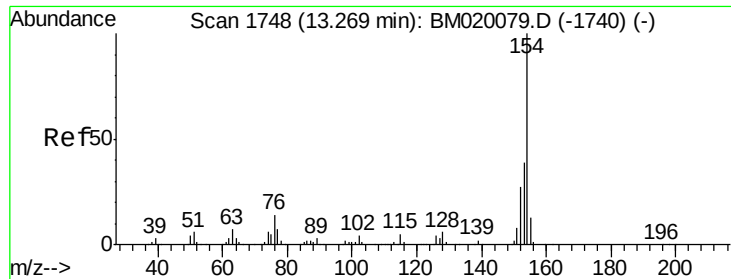
#45
 2-Fluorobiphenyl
 Concen: 76.049 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	23.4	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

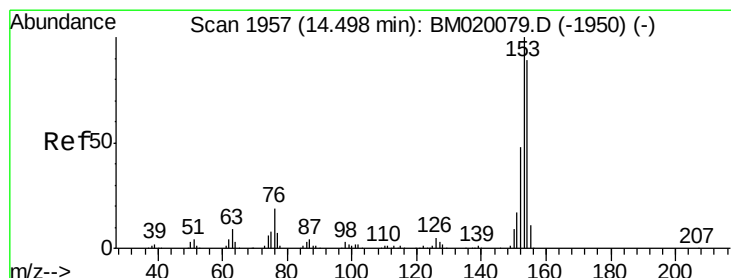
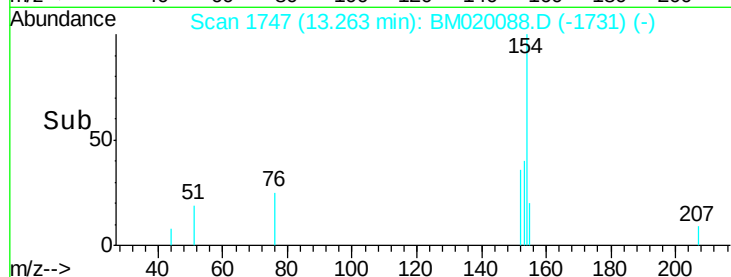
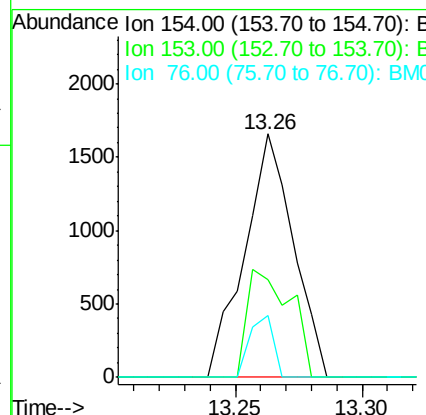
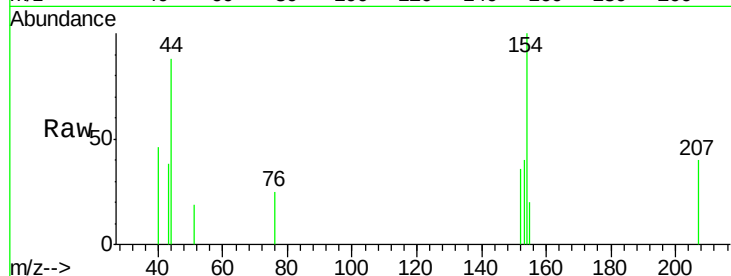




#46
 1,1'-Biphenyl
 Concen: 0.100 ng
 RT: 13.26 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

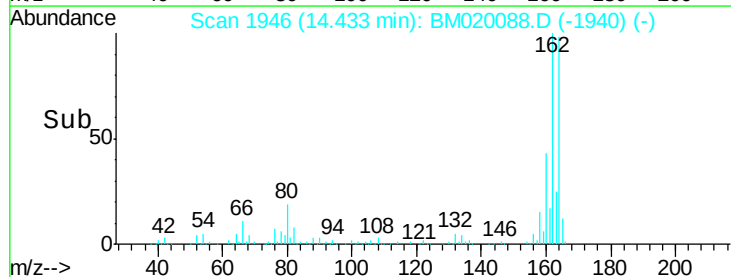
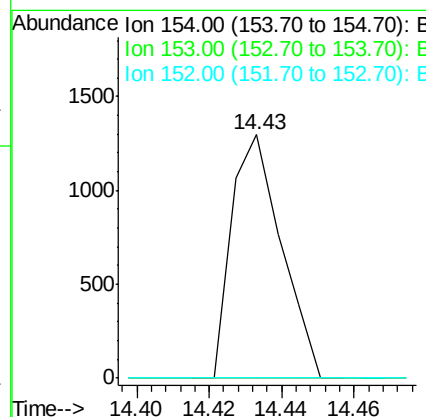
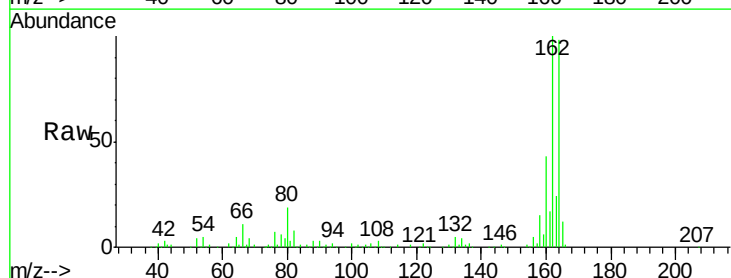
Instrument :
 BNA_M
 ClientSampleId :

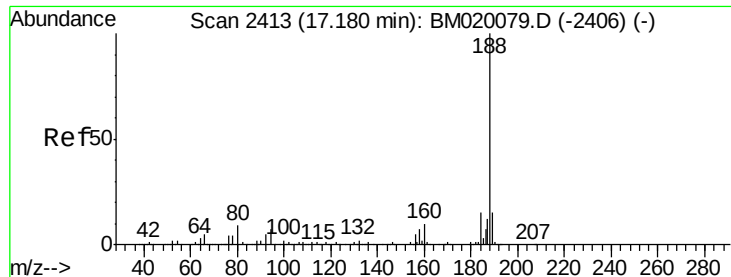
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.4	59.4
76	25.3	0.0	34.5



#52
 Acenaphthene
 Concen: 0.076 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. -0.06 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.2	135.2#
152	0.0	43.0	64.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

Instrument :

BNA_M

ClientSampleId :

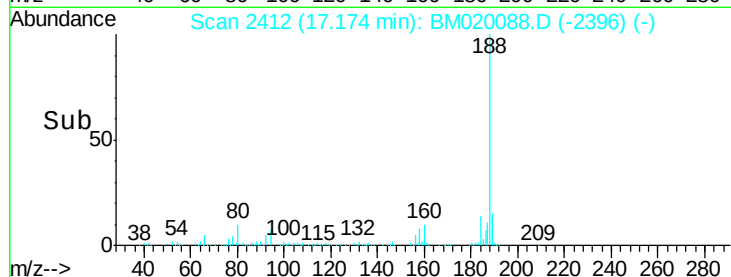
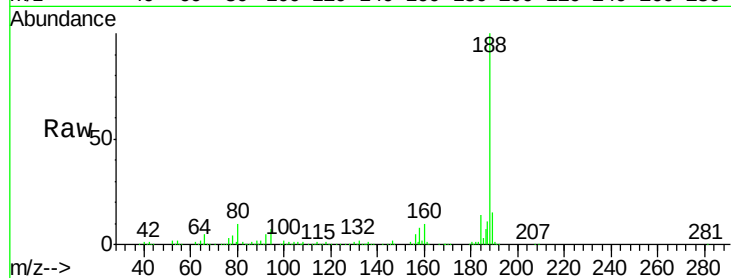
Tot Ion:188 Resp: 623892

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

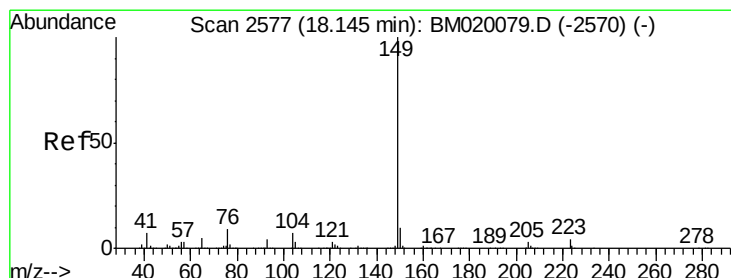
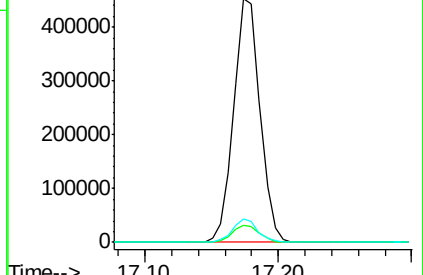
80 9.5 7.4 11.2



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



#74

Di-n-butylphthalate

Concen: 0.003 ng

RT: 18.14 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

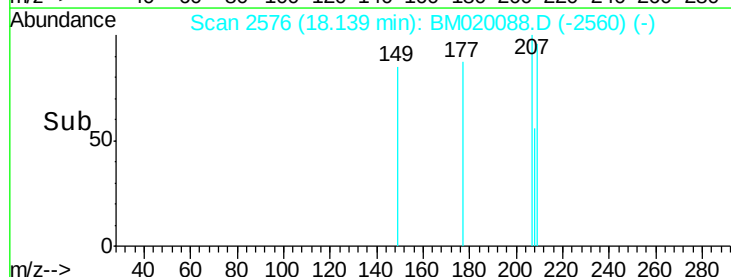
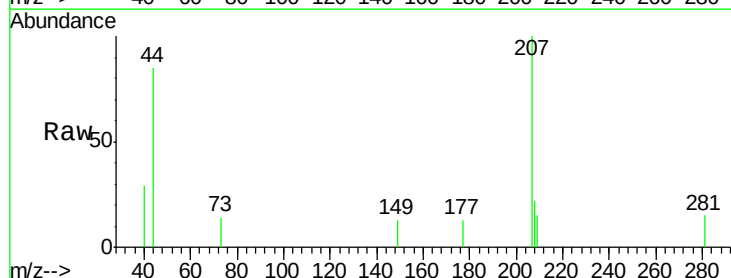
Tgt Ion:149 Resp: 124

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

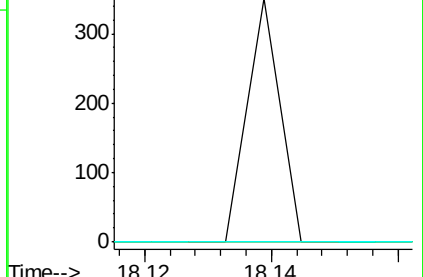
104 0.0 5.7 8.5#

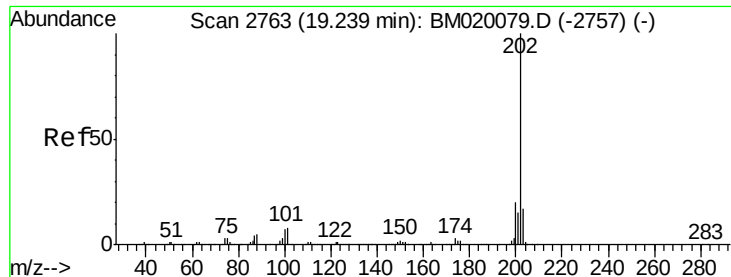


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.003 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020088.D

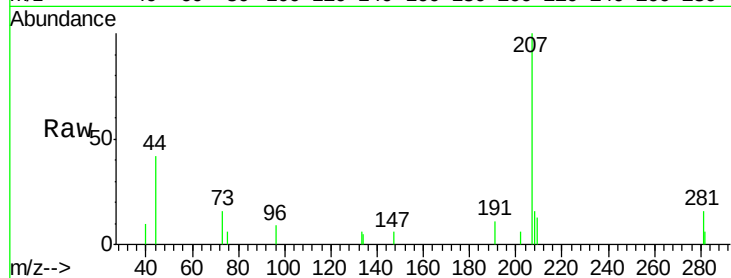
Acq: 01 May 2019 13:48

Instrument :

BNA_M

ClientSampleId :

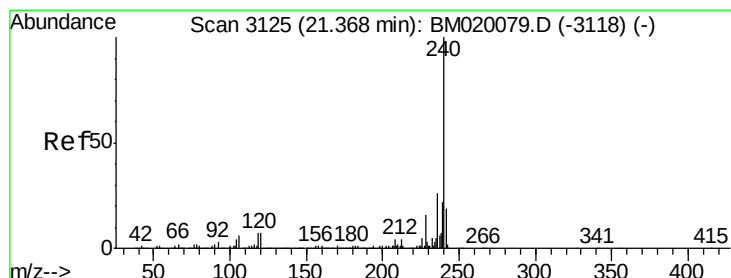
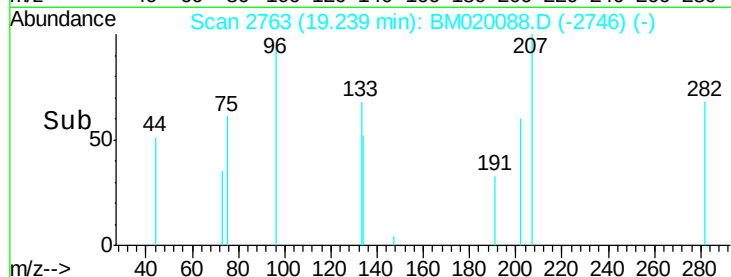
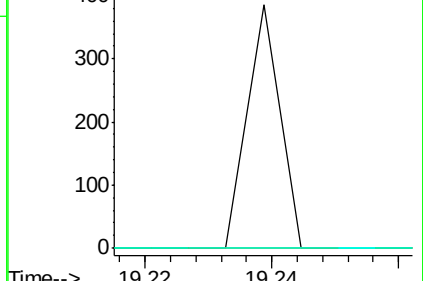
Tot Ion:	202	Resp:	136
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.4
203	0.0	0.0	37.4



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

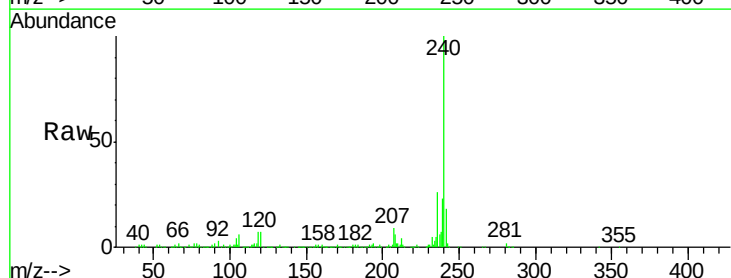
RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

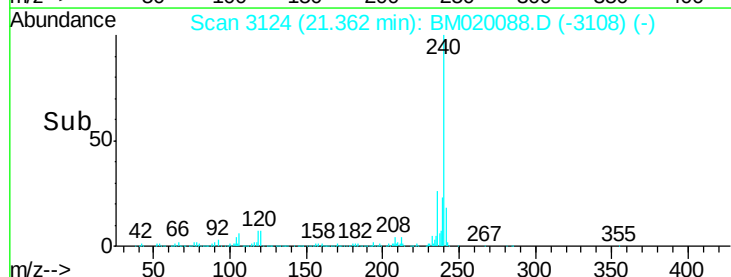
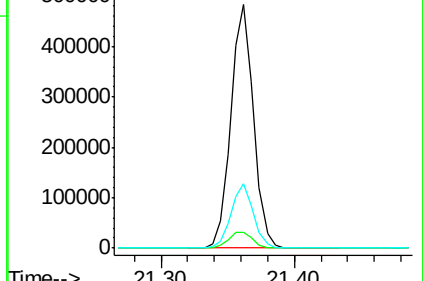
Tgt Ion:	240	Resp:	573301
Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.6	8.4
236	26.3	20.9	31.3

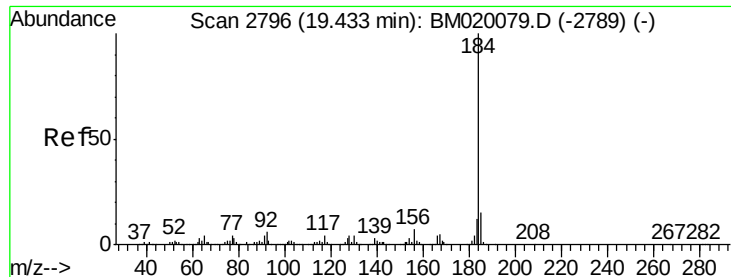


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.012 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

Instrument :

BNA_M

ClientSampleId :

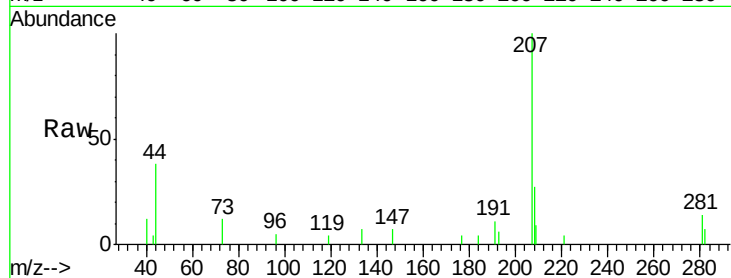
Tot Ion:184 Resp: 223

Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

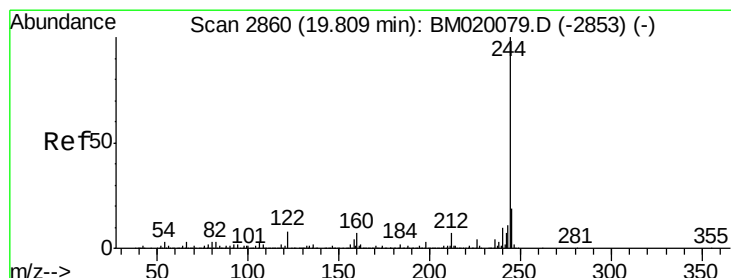
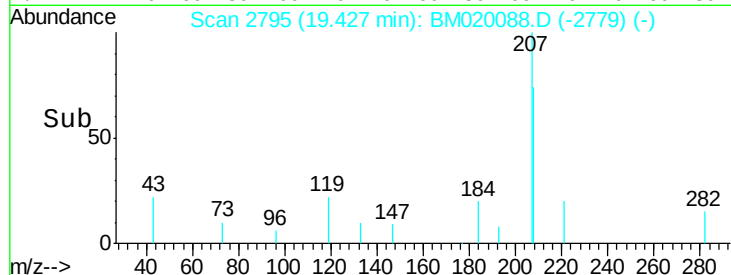
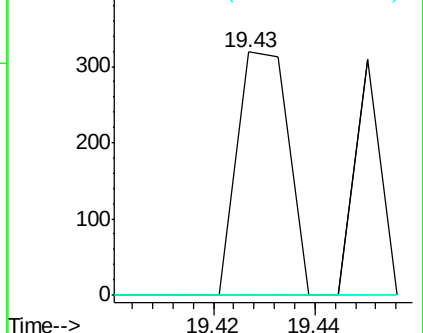
183 0.0 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 78.519 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

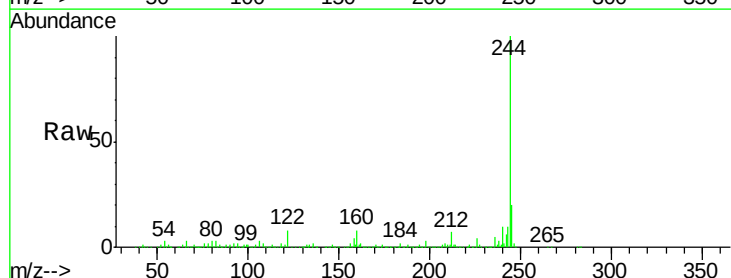
Tgt Ion:244 Resp: 2580822

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

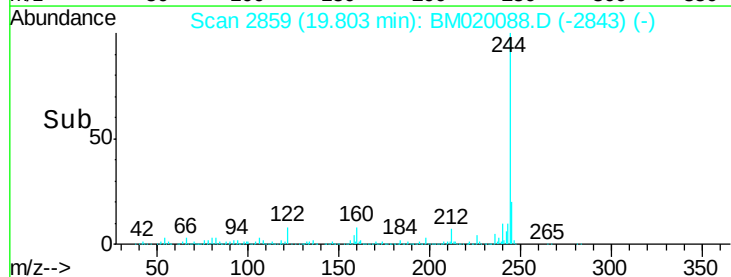
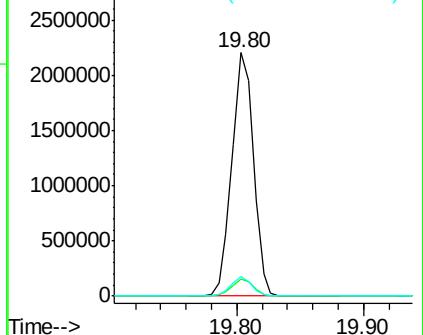
122 7.9 6.2 9.2

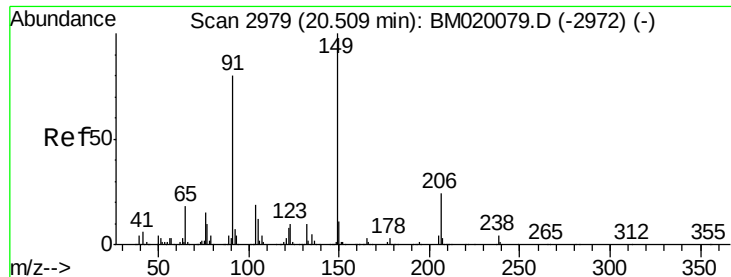


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

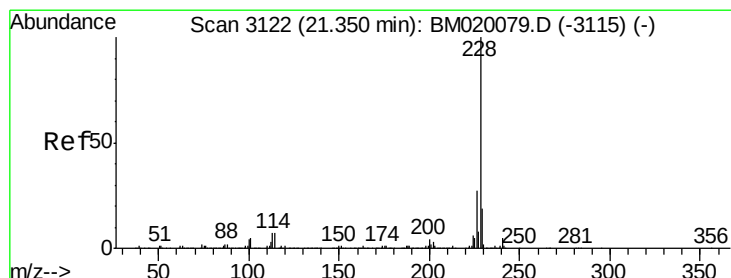
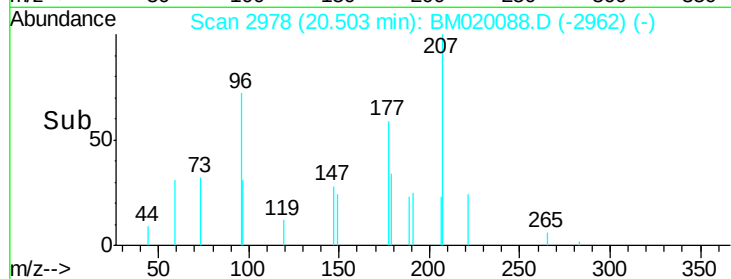
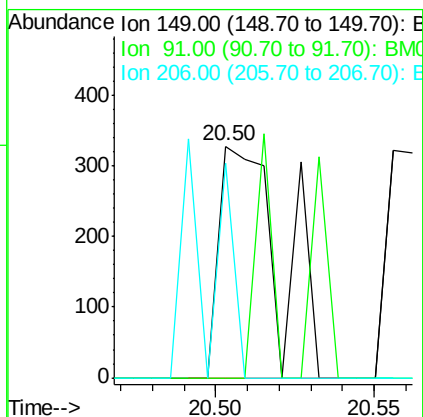
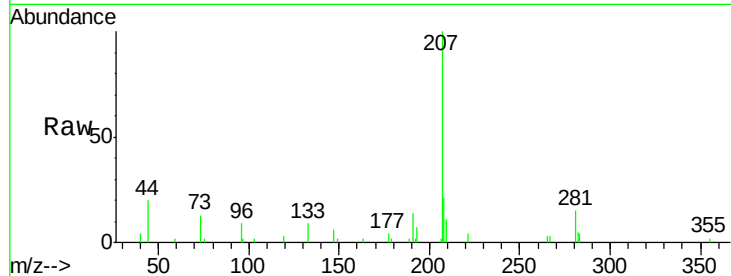




#80
 Butylbenzylphthalate
 Concen: 0.031 ng
 RT: 20.50 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

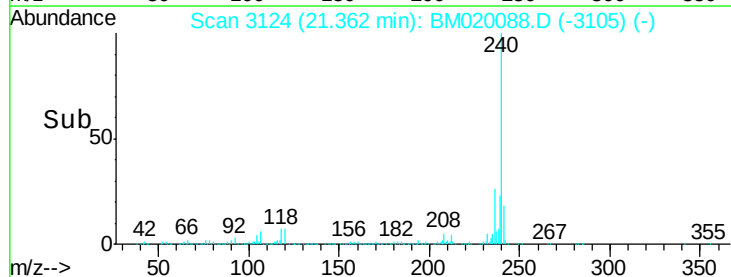
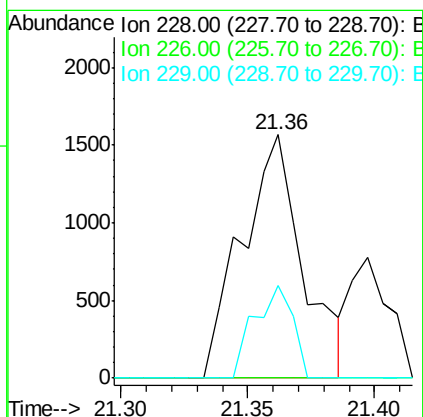
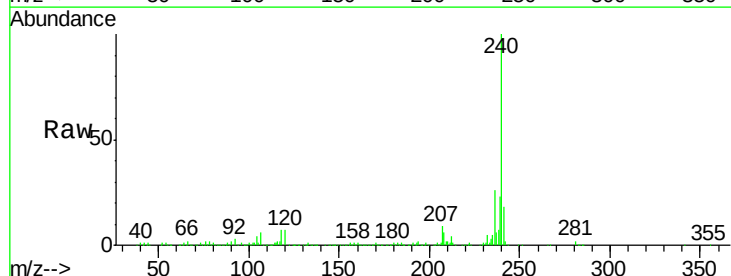
Instrument :
 BNA_M
 ClientSampleID :

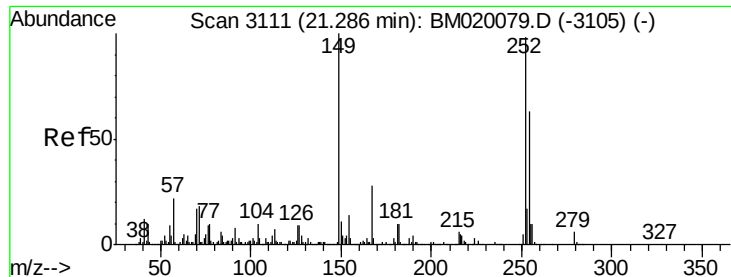
Tot Ion:149 Resp: 439
 Ion Ratio Lower Upper
 149 100
 91 0.0 63.8 95.8#
 206 92.7 18.9 28.3#



#81
 Benzo(a)anthracene
 Concen: 0.065 ng
 RT: 21.36 min Scan# 3124
 Delta R.T. 0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion:228 Resp: 2628
 Ion Ratio Lower Upper
 228 100
 226 0.0 21.3 31.9#
 229 37.8 15.5 23.3#

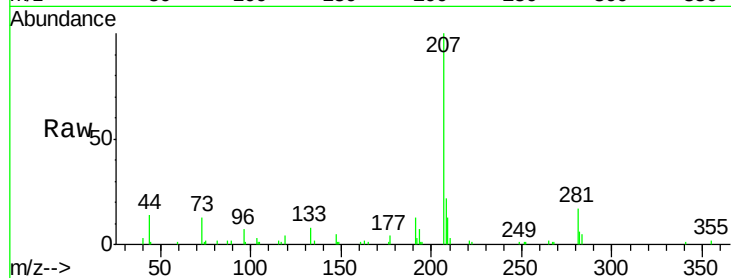




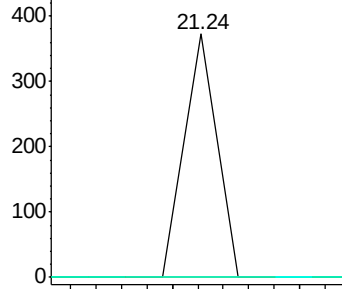
#82
 3,3'-Dichlorobenzidine
 Concen: 0.009 ng
 RT: 21.24 min Scan# 3104
 Delta R.T. -0.04 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Instrument :
 BNA_M
 ClientSampled :

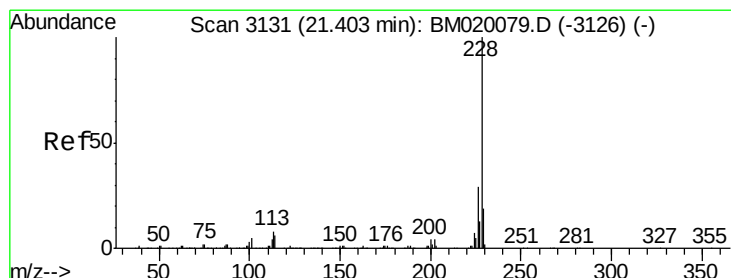
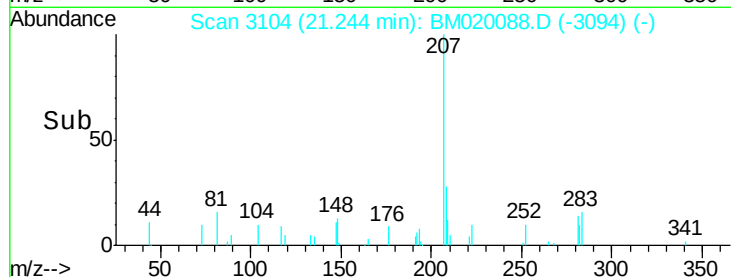
Tot Ion:252 Resp: 132
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.1 76.7#
 126 0.0 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

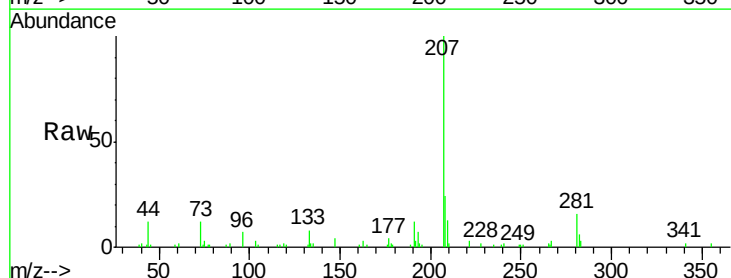


Time-->

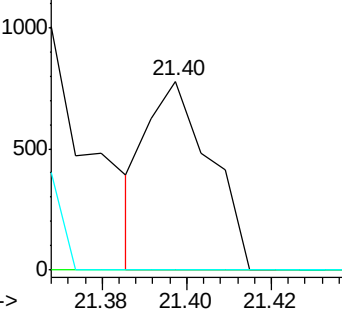


#83
 Chrysene
 Concen: 0.021 ng
 RT: 21.40 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

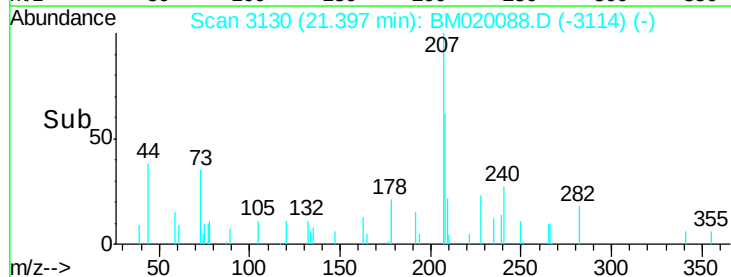
Tgt Ion:228 Resp: 810
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.0 34.6#
 229 0.0 15.5 23.3#

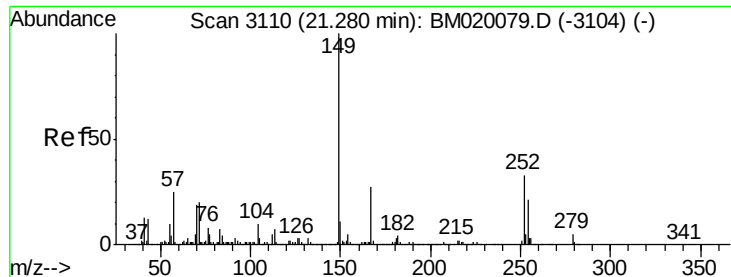


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

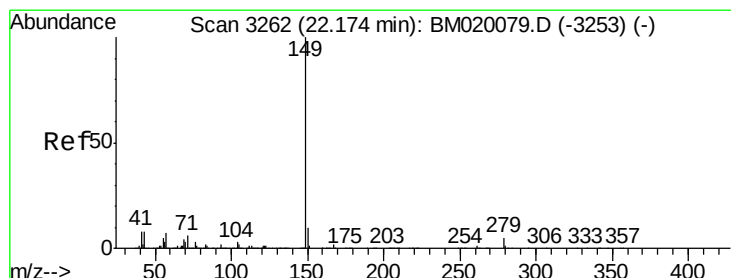
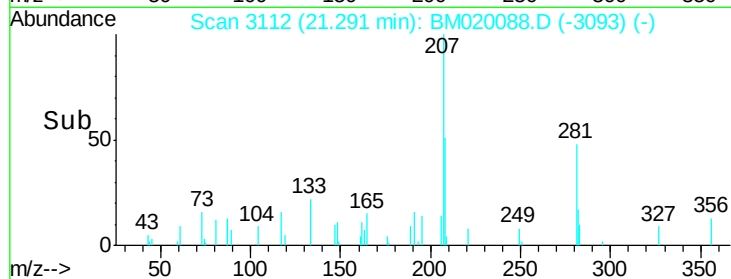
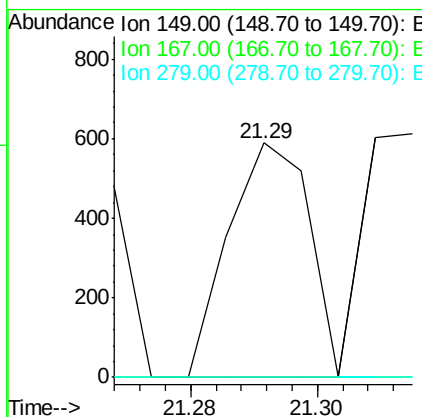
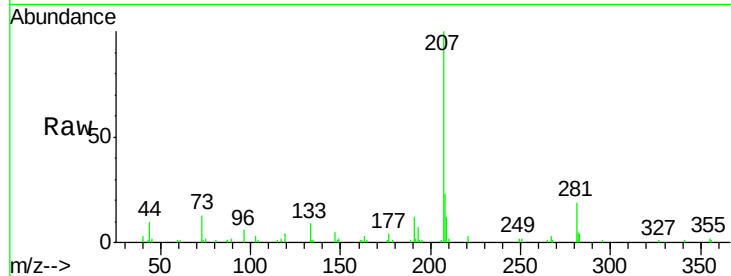




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.024 ng
 RT: 21.29 min Scan# 3112
 Delta R.T. 0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

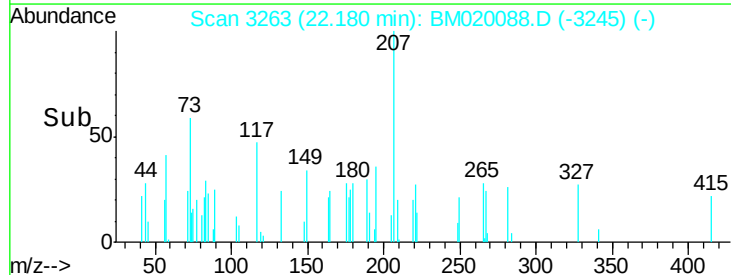
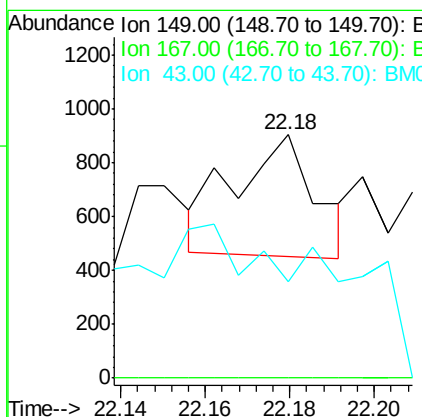
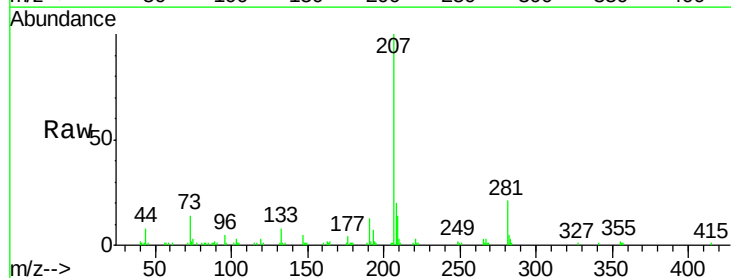
Instrument :
 BNA_M
 ClientSampleId :

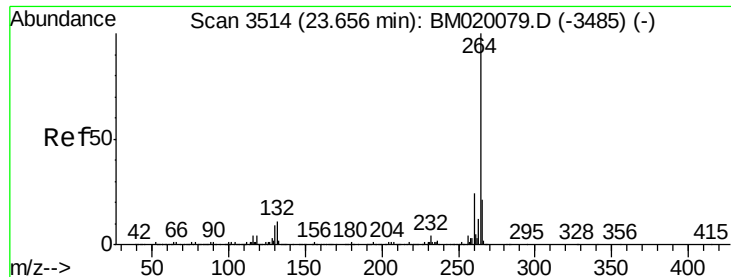
Tot Ion:149 Resp: 515
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.8 32.8#
 279 0.0 4.2 6.2#



#85
 Di-n-octyl phthalate
 Concen: 0.017 ng
 RT: 22.18 min Scan# 3263
 Delta R.T. 0.01 min
 Lab File: BM020088.D
 Acq: 01 May 2019 13:48

Tgt Ion:149 Resp: 604
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 53.8 6.5 9.7#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.65 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

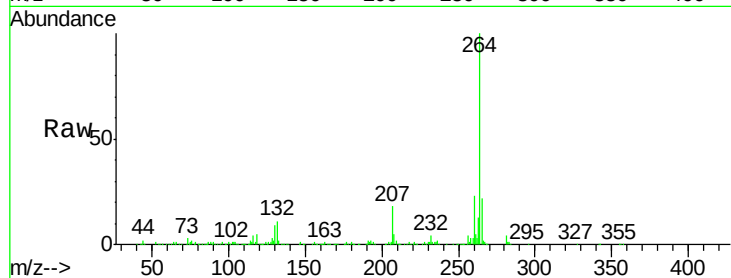
Instrument :

BNA_M

ClientSampled :

Tot Ion:264 Resp: 622159

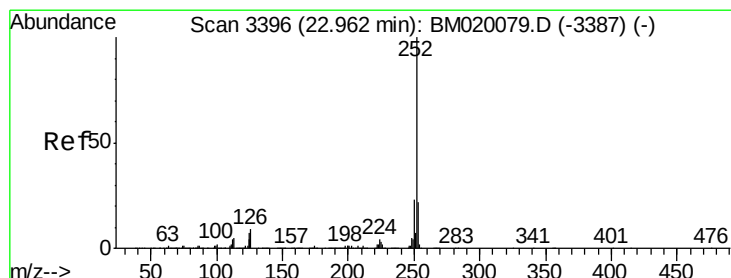
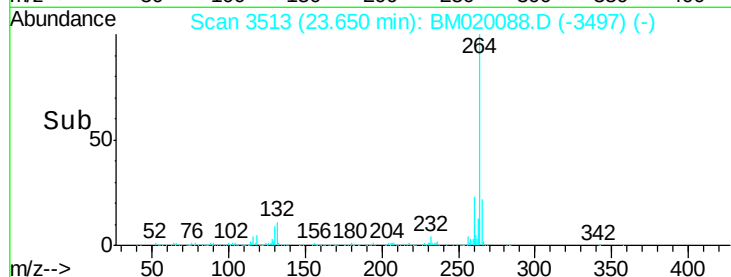
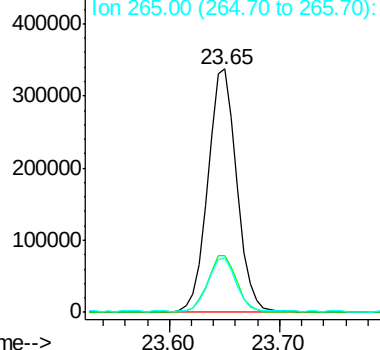
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.4	16.9	25.3



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: 0.014 ng

RT: 22.96 min Scan# 3396

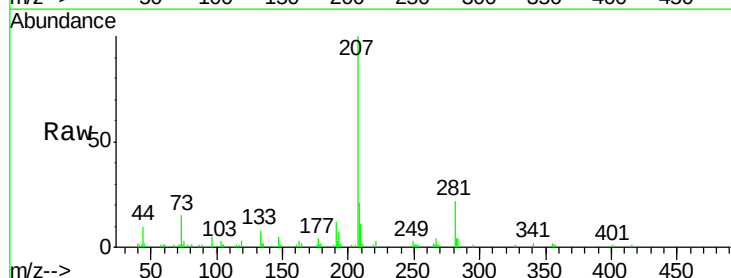
Delta R.T. -0.00 min

Lab File: BM020088.D

Acq: 01 May 2019 13:48

Tgt Ion:252 Resp: 585

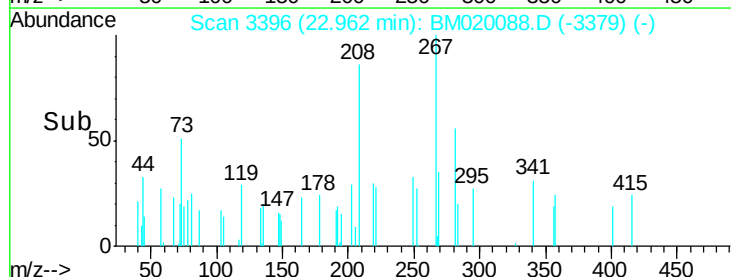
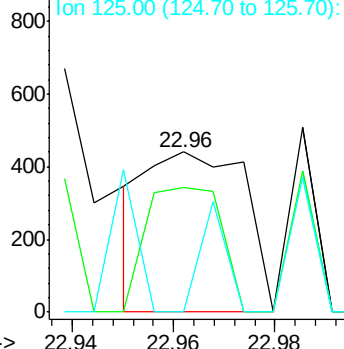
Ion	Ratio	Lower	Upper
252	100		
253	77.7	17.5	26.3#
125	0.0	5.4	8.2#

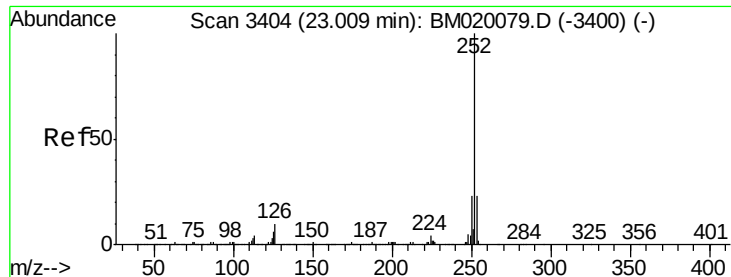


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

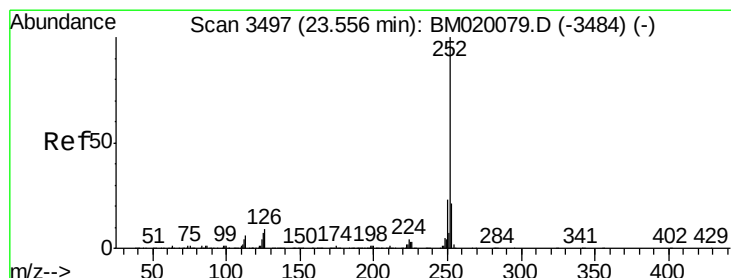
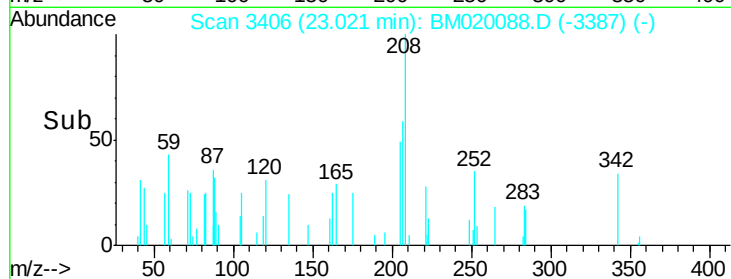
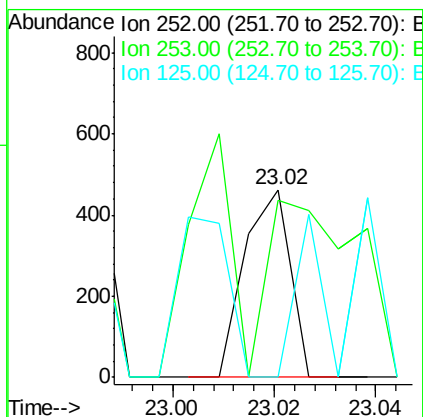
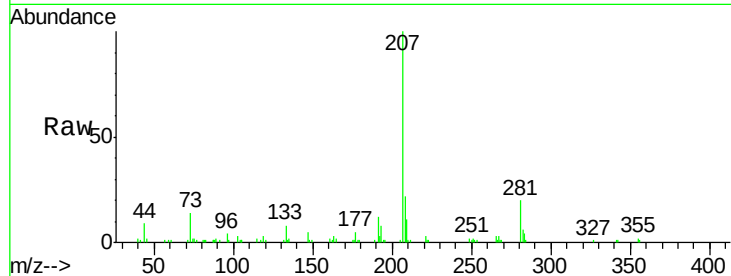




#89
Benzo(k)fluoranthene
Concen: 0.008 ng
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Instrument :
BNA_M
ClientSampled :

Tot Ion:252 Resp: 288
Ion Ratio Lower Upper
252 100
253 94.2 17.8 26.8#
125 0.0 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 0.006 ng
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020088.D
Acq: 01 May 2019 13:48

Tgt Ion:252 Resp: 239
Ion Ratio Lower Upper
252 100
253 136.8 17.0 25.6#
125 0.0 5.5 8.3#

