

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020209.D
 Acq On : 08 May 2019 23:49
 Operator : JU/SJ
 Sample : K2645-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-A

Quant Time: May 09 02:09:38 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	217018	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	773694	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	417707	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	898961	20.00	ng	0.00
76) Chrysene-d12	21.38	240	989915	20.00	ng	0.01
87) Perylene-d12	23.68	264	1113357	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	266109	20.04	ng	0.00
7) Phenol-d6	6.95	99	357938	19.73	ng	0.00
23) Nitrobenzene-d5	8.95	82	248765	12.69	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	121343	18.72	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	441357	13.00	ng	-0.01
79) Terphenyl-d14	19.80	244	589147	10.38	ng	0.00

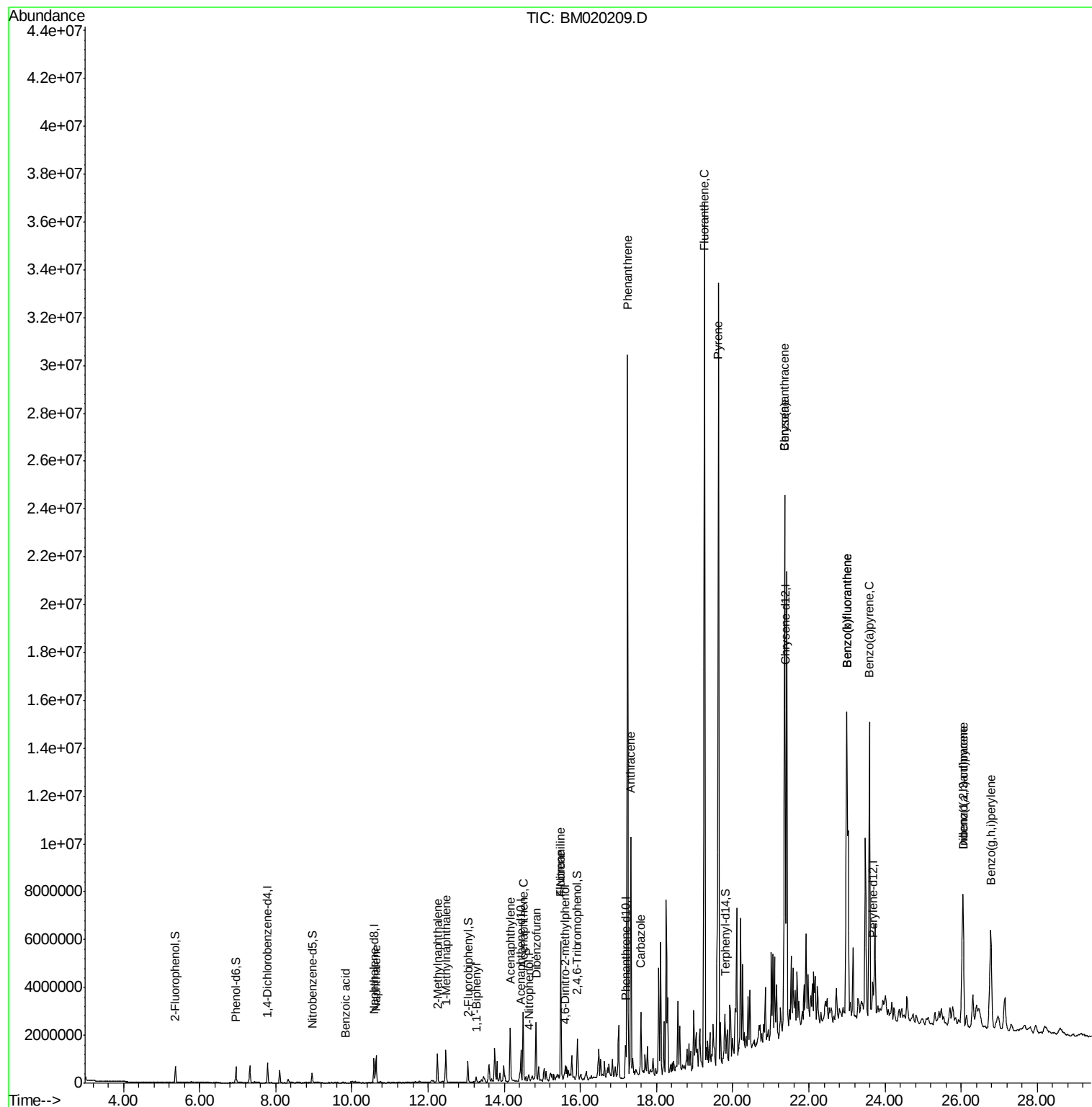
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.63	128	850043	21.172	ng	99
32) Benzoic acid	9.83	122	374	6.655	ng	87
37) 2-Methylnaphthalene	12.25	142	524361	17.914	ng	97
38) 1-Methylnaphthalene	12.47	142	574851	20.084	ng	99
46) 1,1'-Biphenyl	13.26	154	114293	3.324	ng	96
49) Acenaphthylene	14.16	152	1455625	33.134	ng	99
52) Acenaphthene	14.50	154	1000092	39.697	ng	99
55) Dibenzofuran	14.83	168	1296098	30.500	ng	97
56) 4-Nitrophenol	14.64	139	12588	2.126	ng	# 21
58) Fluorene	15.49	166	2461006	70.516	ng	100
62) 4-Nitroaniline	15.49	138	28707	3.748	ng	# 6
65) 4,6-Dinitro-2-methylphenol	15.59	198	214	7.202	ng	# 1
71) Phenanthrene	17.23	178	16111195	324.670	ng	# 89
72) Anthracene	17.32	178	6009490	121.124	ng	99
73) Carbazole	17.59	167	1466240	32.752	ng	99
75) Fluoranthene	19.25	202	18492076	294.525	ng	88
78) Pyrene	19.62	202	17440237	262.410	ng	95
81) Benzo(a)anthracene	21.36	228	11949420	172.126	ng	94
83) Chrysene	21.36	228	11633697	172.791	ng	96
86) Indeno(1,2,3-cd)pyrene	26.05	276	5786343	72.253	ng	# 100
88) Benzo(b)fluoranthene	23.00	252	12812292	174.269	ng	97
89) Benzo(k)fluoranthene	23.00	252	12541130	187.002	ng	98
90) Benzo(a)pyrene	23.59	252	9613984	143.965	ng	96
91) Dibenzo(a,h)anthracene	26.04	278	1646795	23.712	ng	# 90
92) Benzo(g,h,i)perylene	26.78	276	5297483	80.344	ng	97

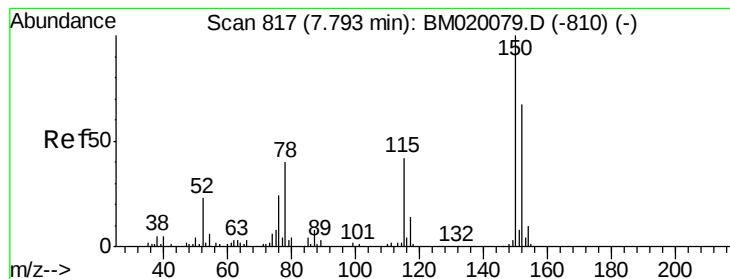
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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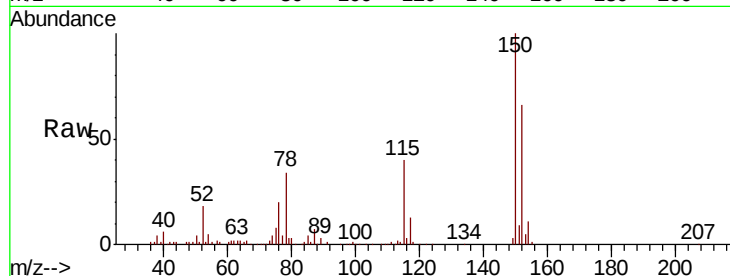


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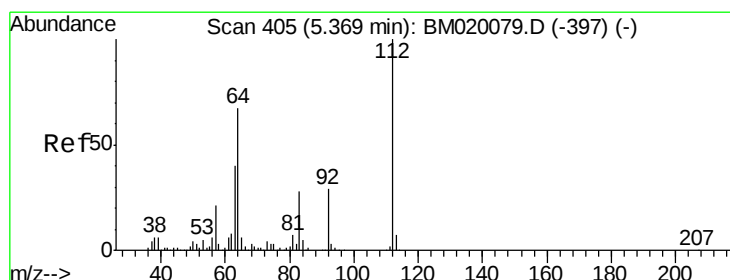
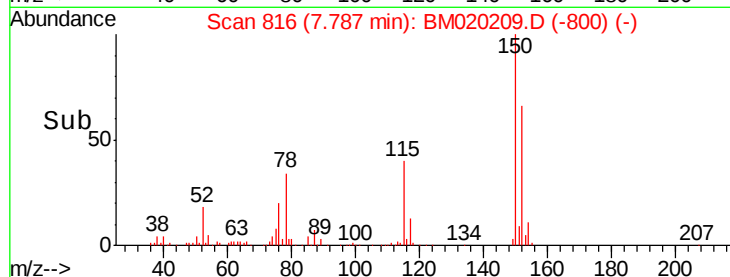
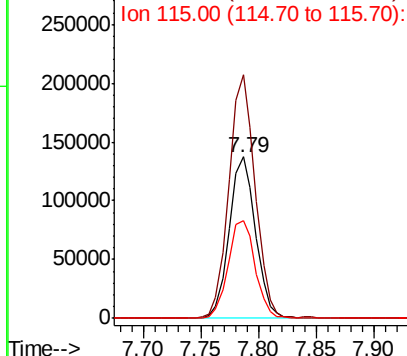
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-A

Tgt Ion:152 Resp: 217018
 Ion Ratio Lower Upper
 152 100
 150 151.1 119.8 179.8
 115 60.5 50.8 76.2



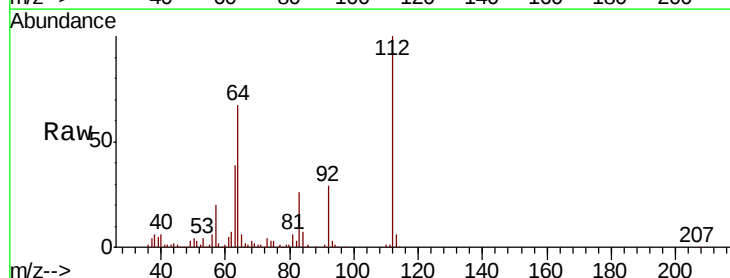
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



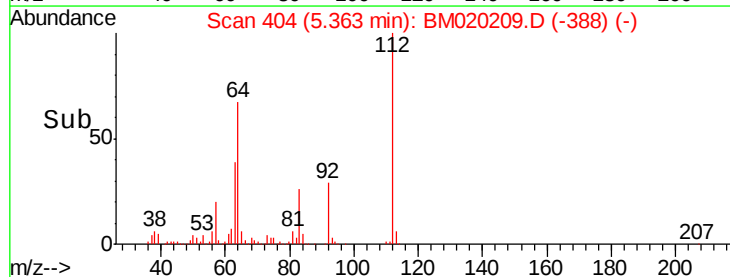
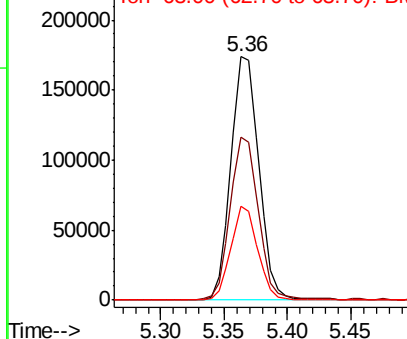
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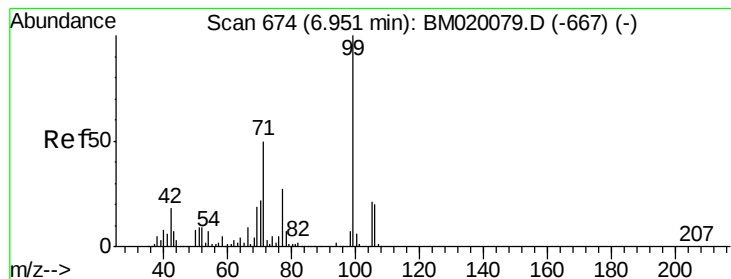
2-Fluorophenol
 Concen: 20.043 ng
 RT: 5.36 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Tgt Ion:112 Resp: 266109
 Ion Ratio Lower Upper
 112 100
 64 67.0 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: 19.735 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Instrument :

BNA_M

ClientSampleId :

PL-02-050719-A

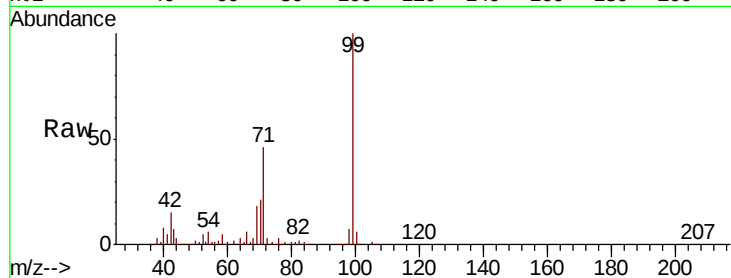
Tgt Ion: 99 Resp: 357938

Ion Ratio Lower Upper

99 100

42 15.2 14.2 21.2

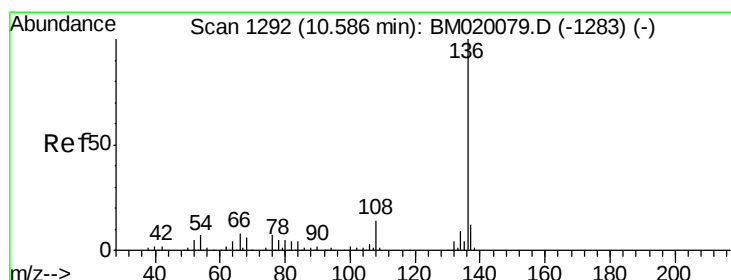
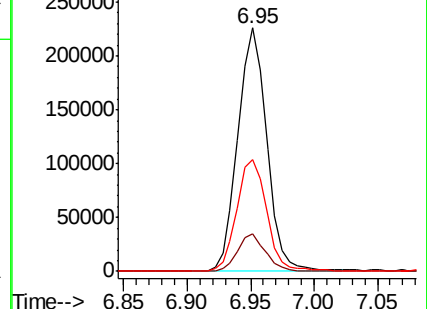
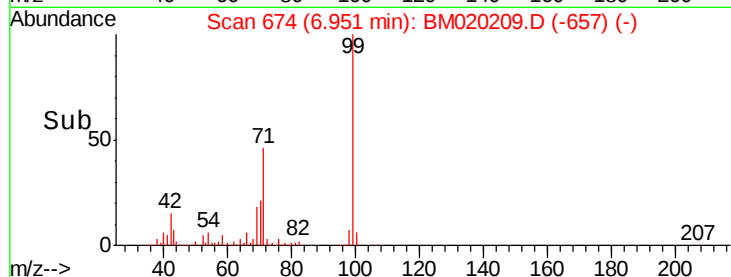
71 46.0 40.3 60.5



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Tgt Ion: 136 Resp: 773694

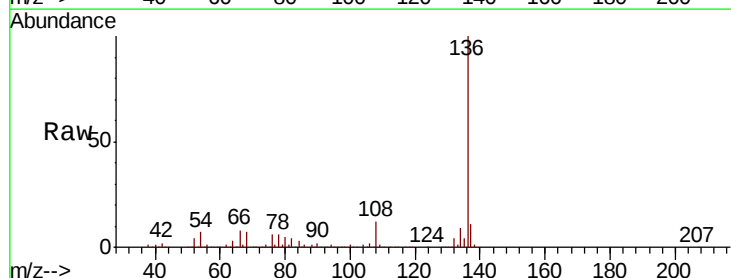
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 6.7 5.5 8.3

68 6.5 4.6 6.8

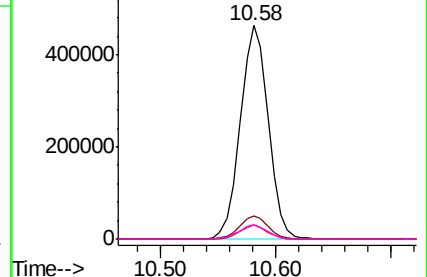
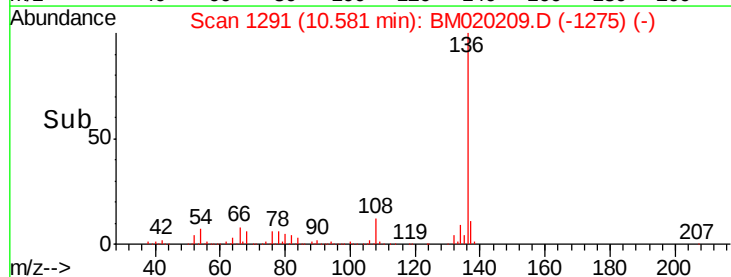


Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

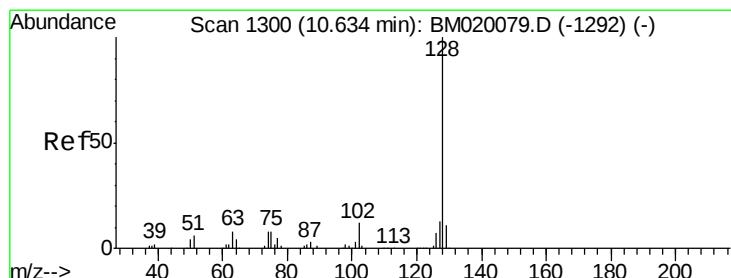
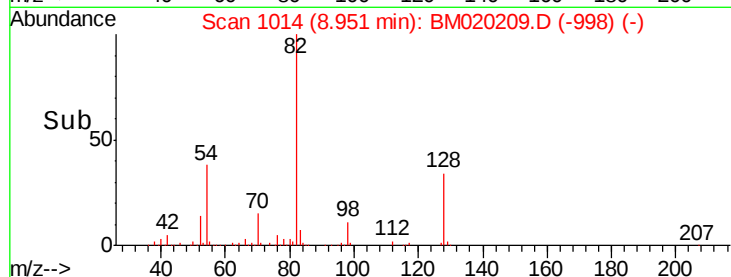
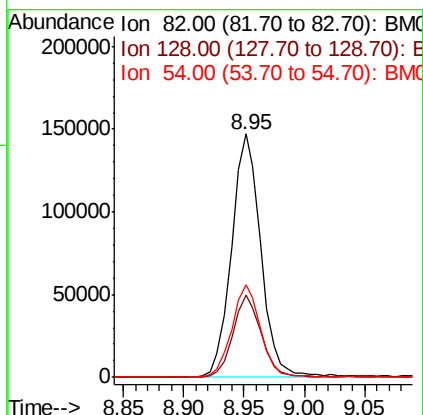
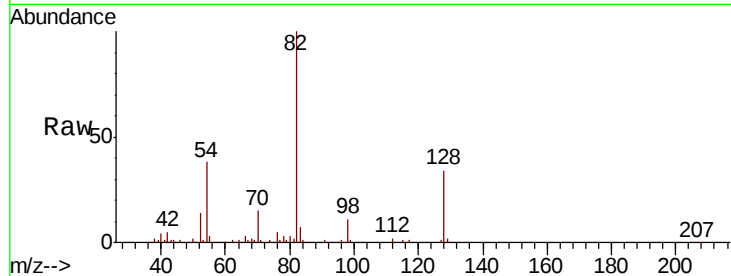




#23
Nitrobenzene-d5
Concen: 12.694 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

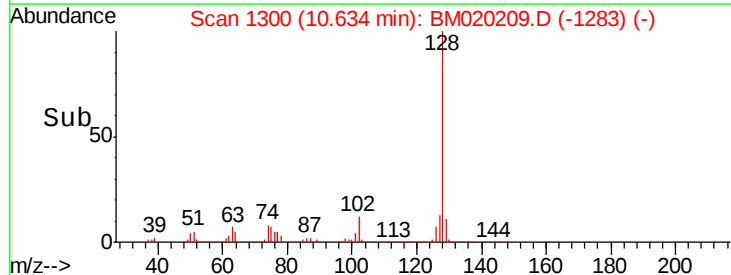
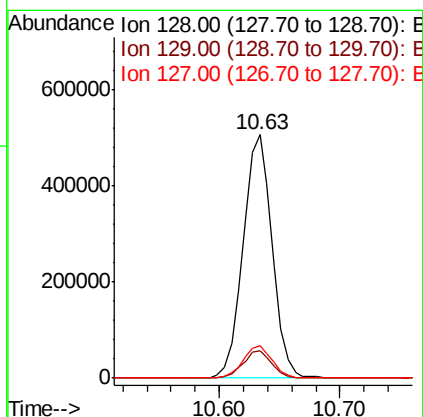
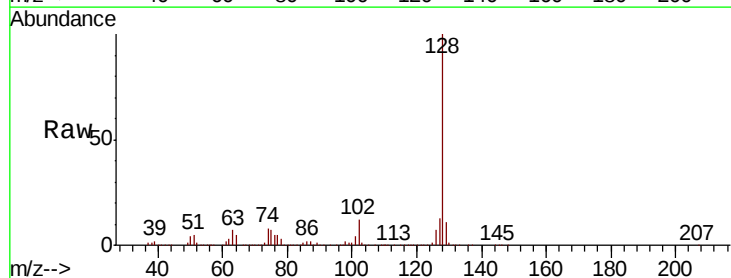
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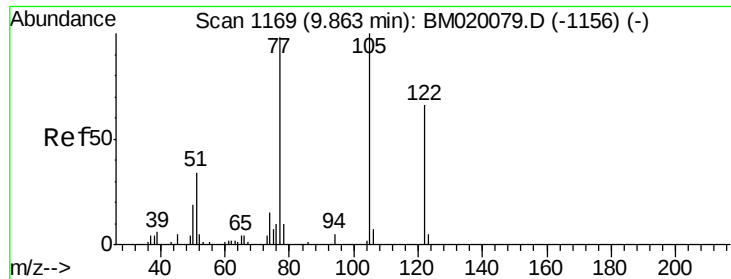
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.6	25.2	37.8
54	38.0	31.9	47.9



#31
Naphthalene
Concen: 21.172 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.4	10.4	15.6

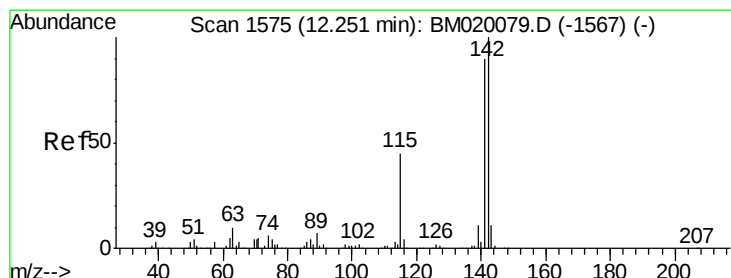
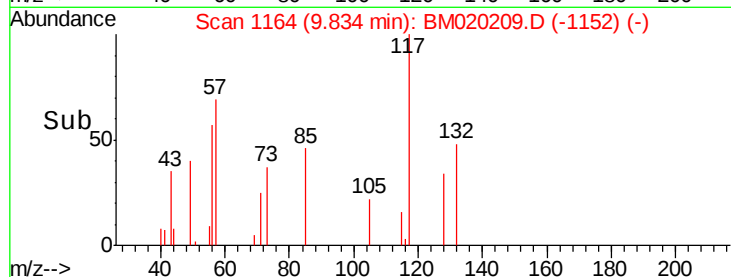
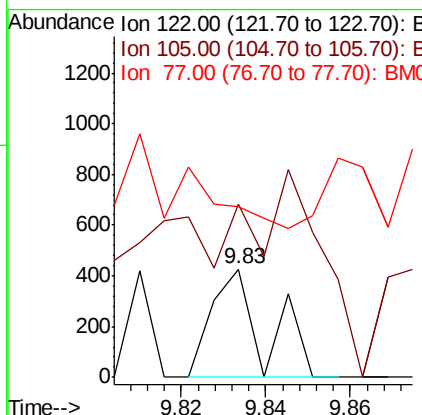
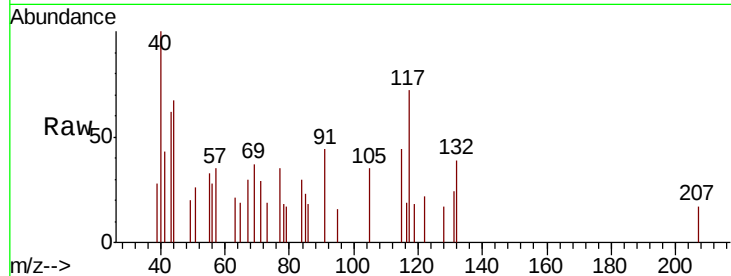




#32
Benzoic acid
Concen: 6.655 ng
RT: 9.83 min Scan# 1164
Delta R.T. -0.03 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

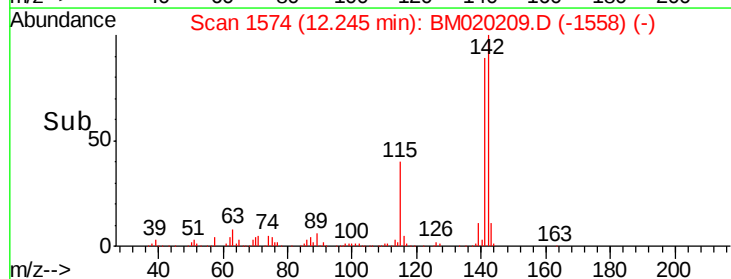
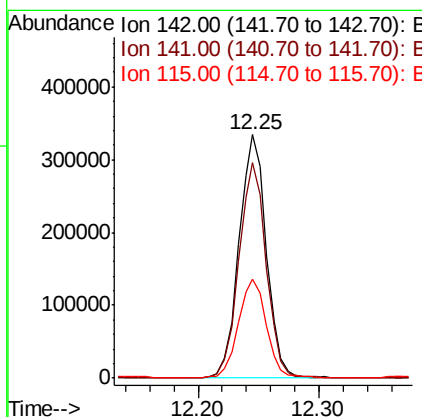
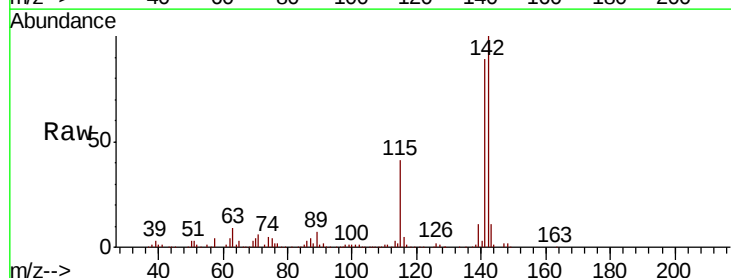
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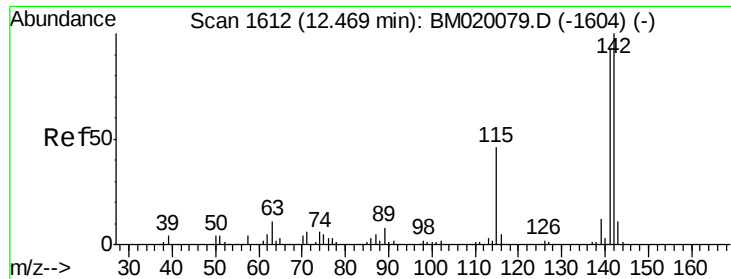
Tgt Ion:122 Resp: 374
Ion Ratio Lower Upper
122 100
105 160.6 122.5 162.5
77 157.5 123.3 163.3



#37
2-Methylnaphthalene
Concen: 17.914 ng
RT: 12.25 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:142 Resp: 524361
Ion Ratio Lower Upper
142 100
141 88.6 71.6 107.4
115 40.6 35.8 53.6

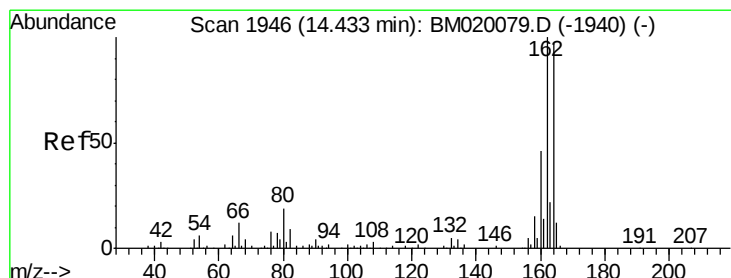
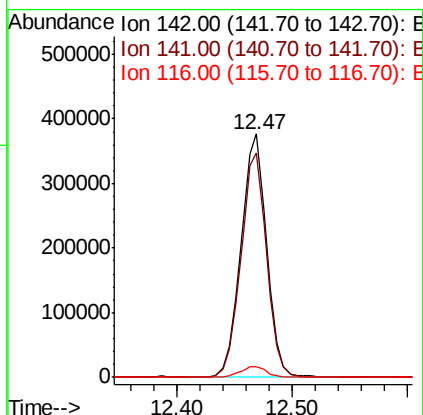
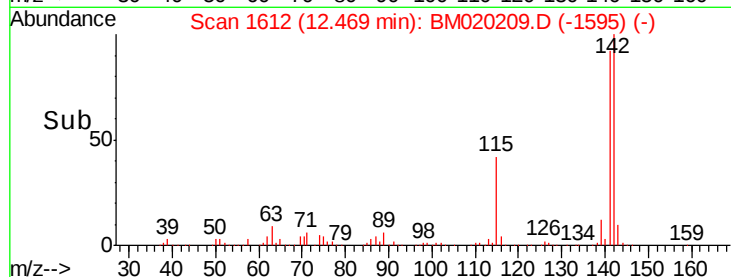
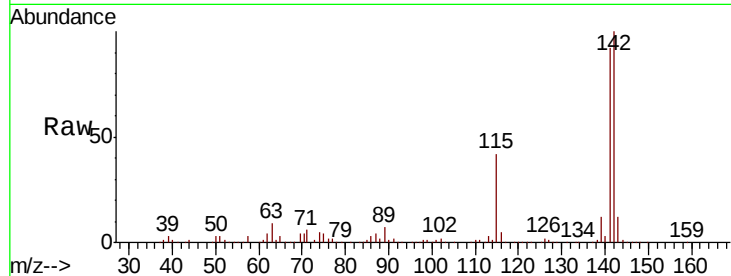




#38
1-Methylnaphthalene
Concen: 20.084 ng
RT: 12.47 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

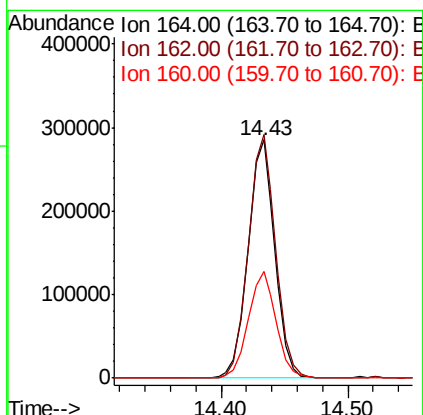
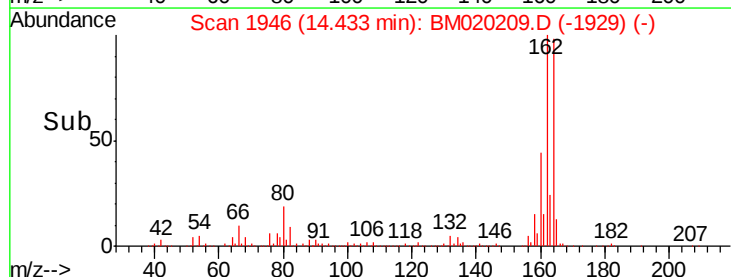
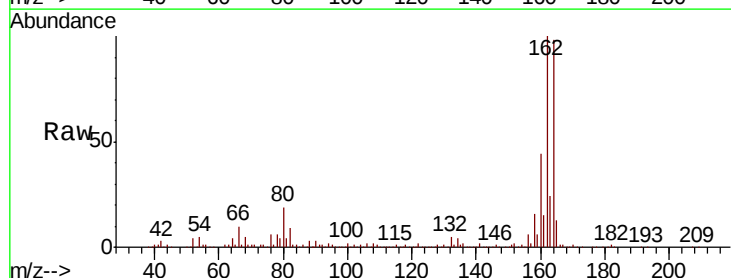
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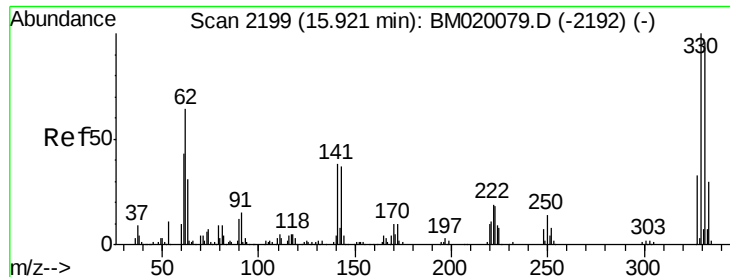
Tgt Ion:142 Resp: 574851
Ion Ratio Lower Upper
142 100
141 92.4 74.8 112.2
116 4.5 3.9 5.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:164 Resp: 417707
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 44.9 37.6 56.4

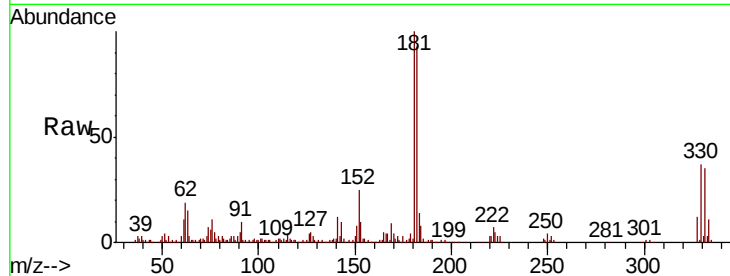




#42
 2,4,6-Tribromophenol
 Concen: 18.715 ng
 RT: 15.93 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BM020209.D
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Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	34.5	29.2	43.8

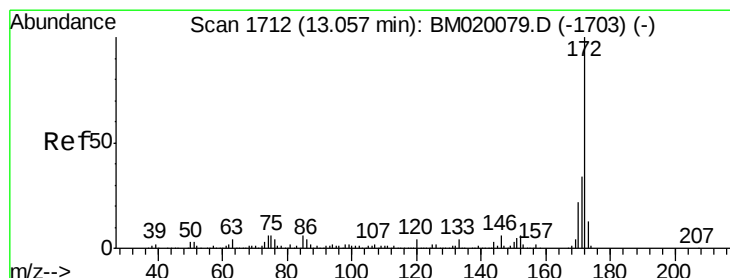
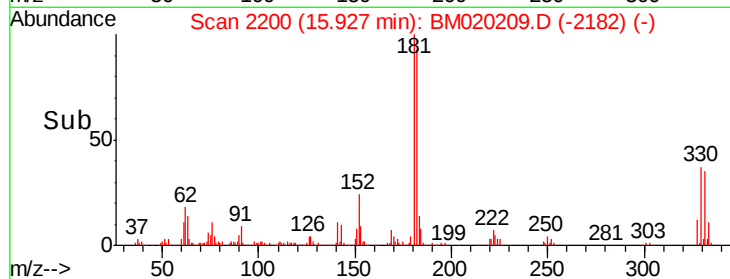
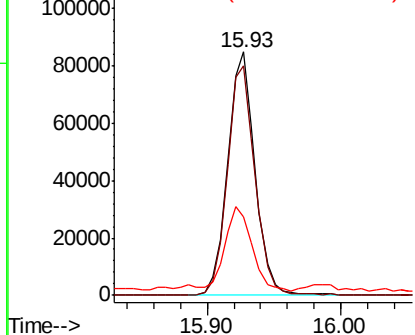


Abundance

Ion 329.80 (329.50 to 330.50): E

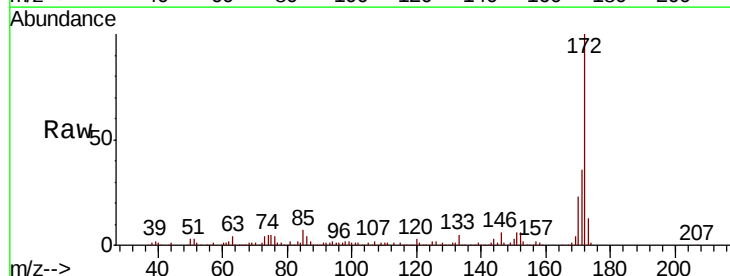
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.000 ng
 RT: 13.05 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.3	40.9
170	23.1	17.9	26.9

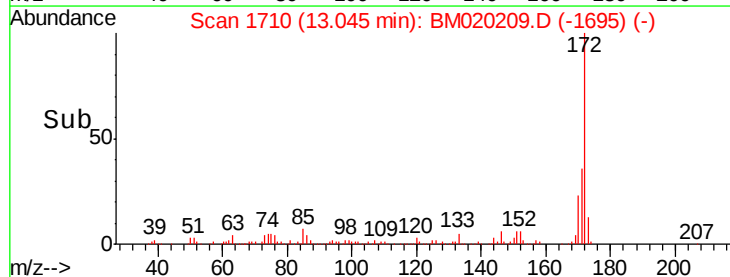
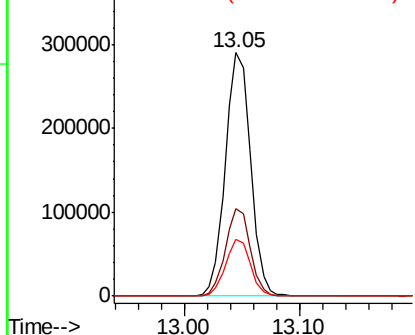


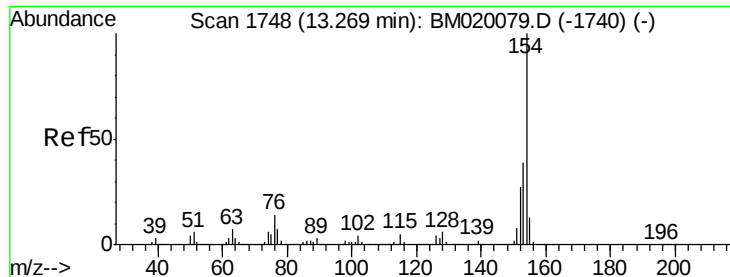
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

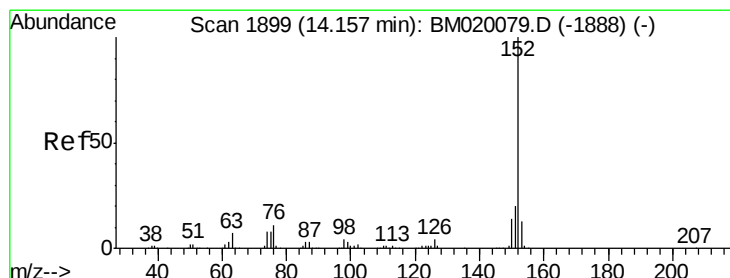
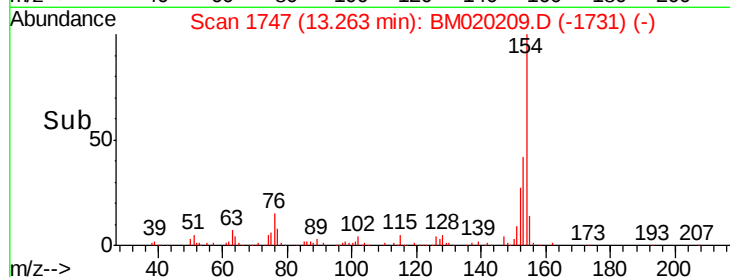
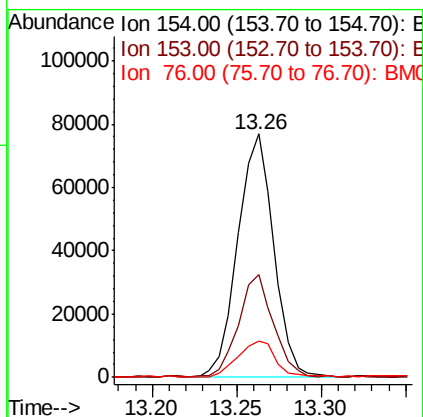
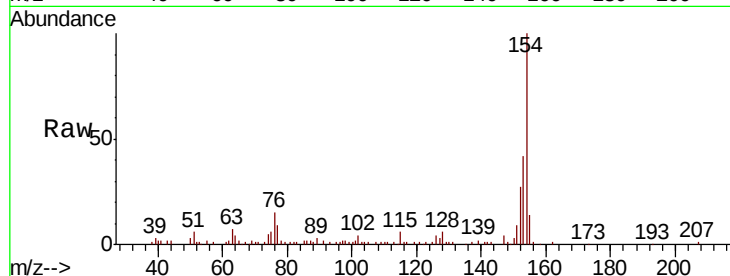




#46
1,1'-Biphenyl
Concen: 3.324 ng
RT: 13.26 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

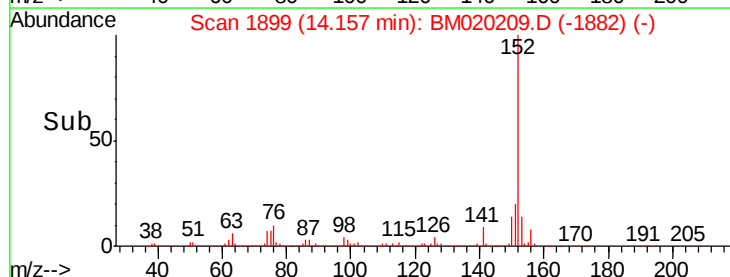
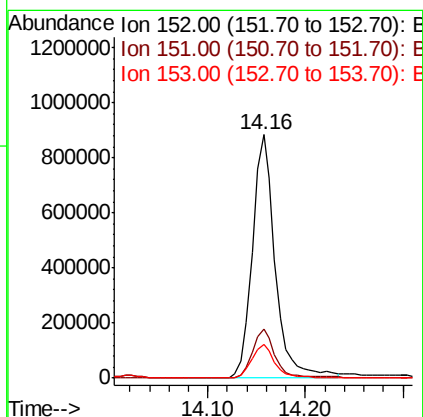
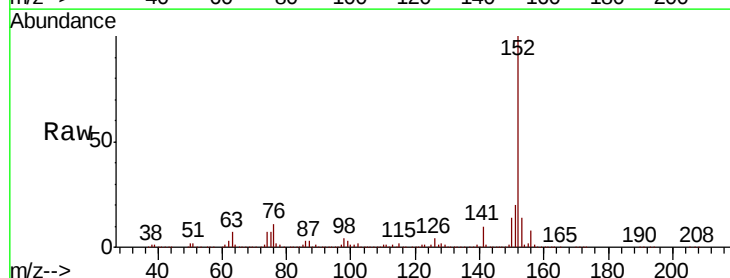
Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

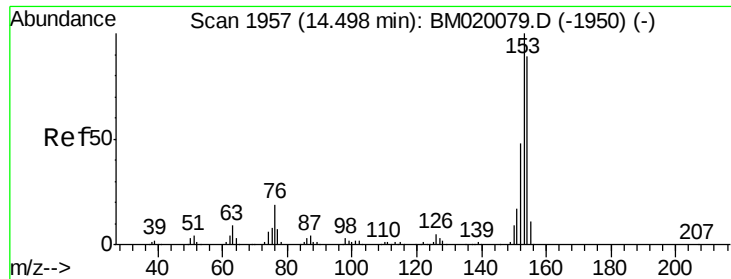
Tgt Ion:	154	Resp:	114293
Ion	Ratio	Lower	Upper
154	100		
153	42.3	19.4	59.4
76	14.8	0.0	34.5



#49
Acenaphthylene
Concen: 33.134 ng
RT: 14.16 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:	152	Resp:	1455625
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.9	10.6	16.0





#52

Acenaphthene

Concen: 39.697 ng

RT: 14.50 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Instrument :

BNA_M

ClientSampleId :

PL-02-050719-A

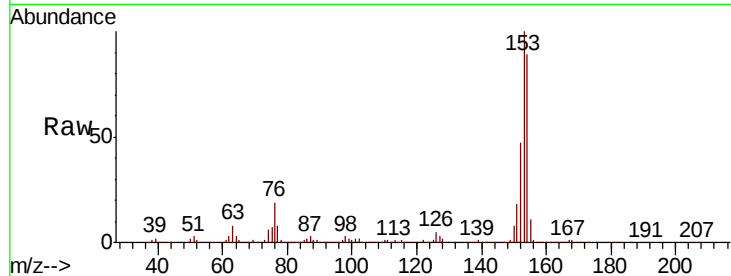
Tgt Ion:154 Resp: 1000092

Ion Ratio Lower Upper

154 100

153 112.3 90.2 135.2

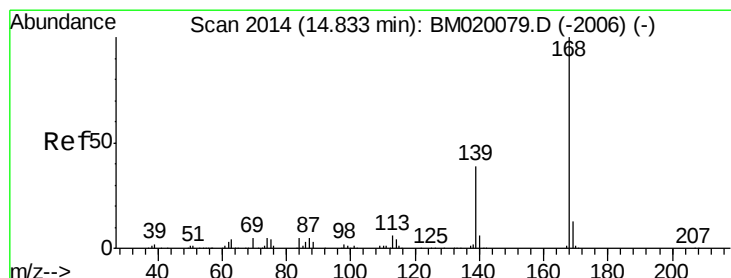
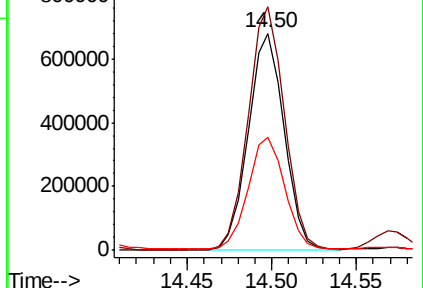
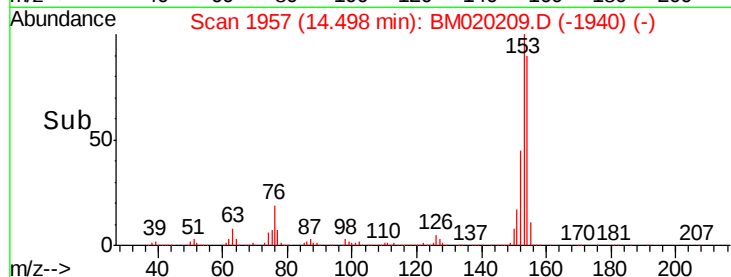
152 52.3 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 30.500 ng

RT: 14.83 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

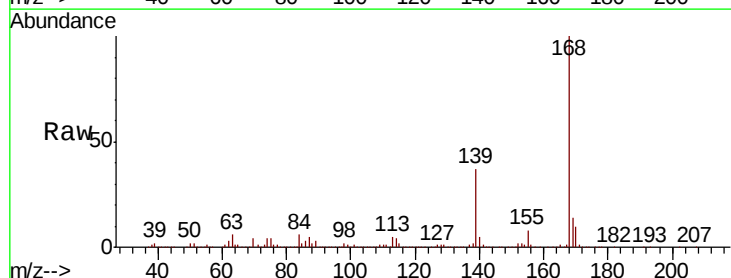
Tgt Ion:168 Resp: 1296098

Ion Ratio Lower Upper

168 100

139 37.0 31.1 46.7

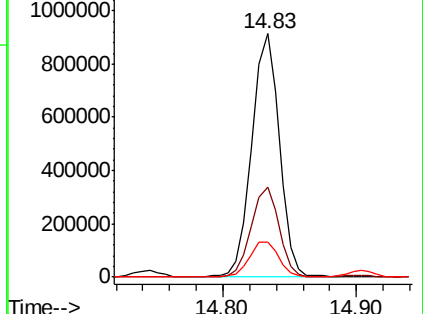
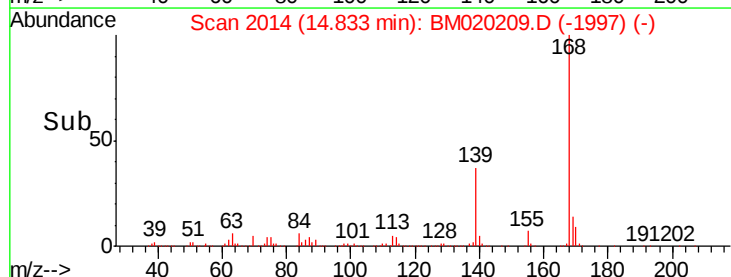
169 14.5 10.6 16.0

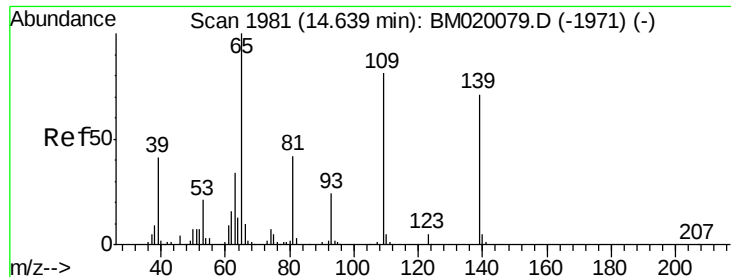


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

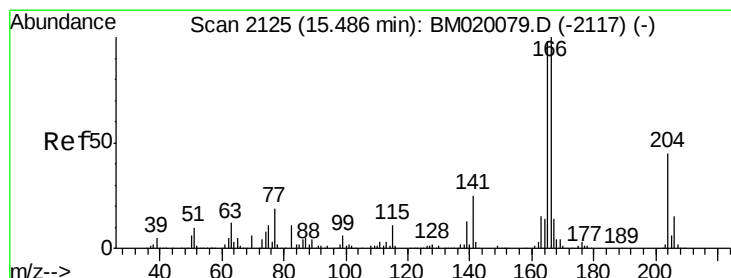
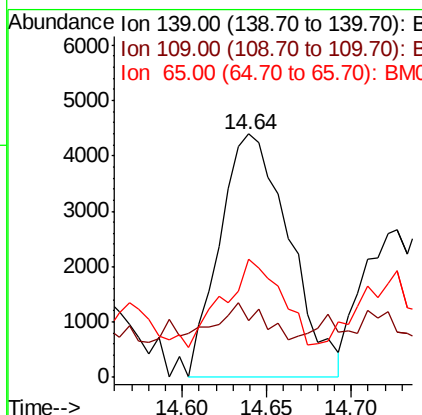
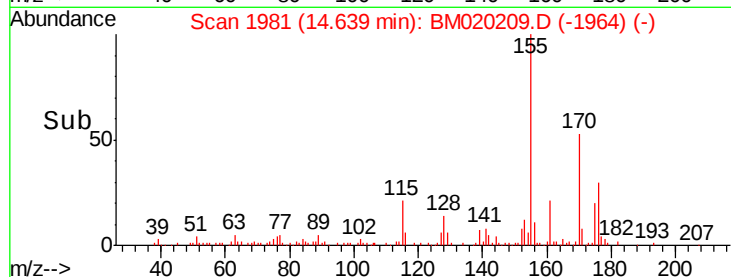
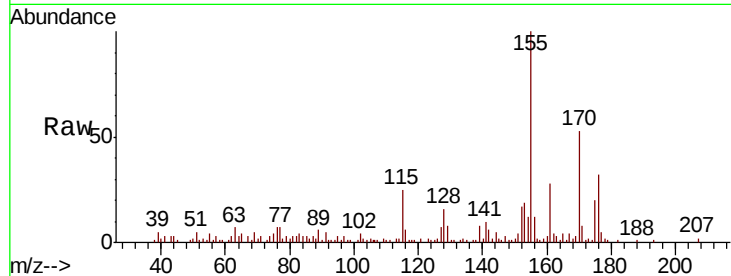




#56
4-Nitrophenol
Concen: 2.126 ng
RT: 14.64 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

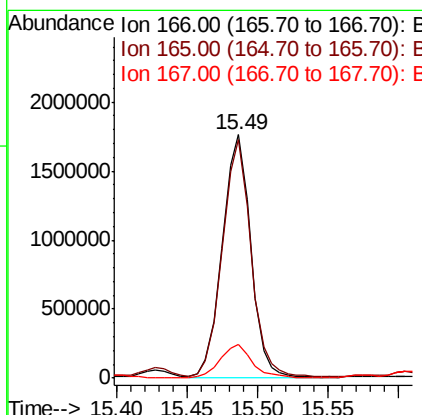
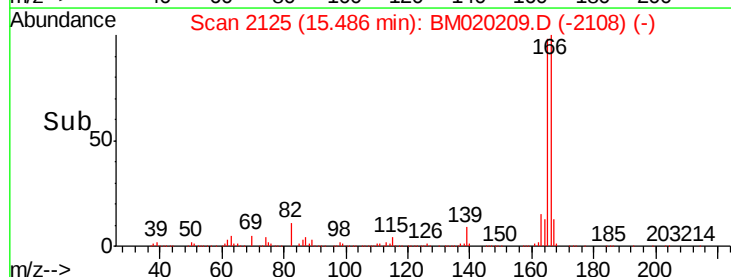
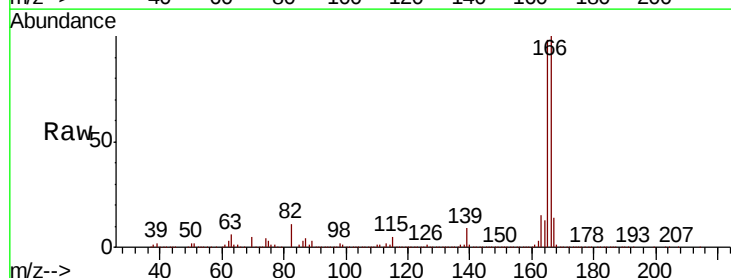
Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

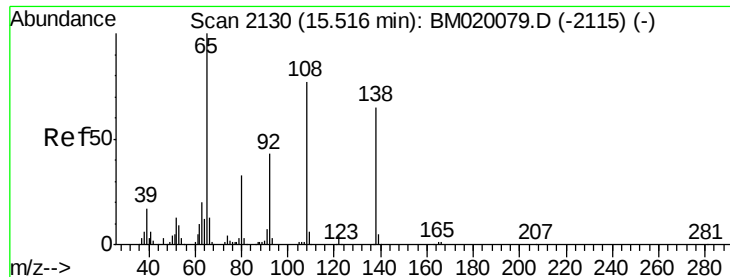
Tgt Ion:139 Resp: 12588
Ion Ratio Lower Upper
139 100
109 23.4 94.1 134.1#
65 48.7 120.9 160.9#



#58
Fluorene
Concen: 70.516 ng
RT: 15.49 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:166 Resp: 2461006
Ion Ratio Lower Upper
166 100
165 98.1 78.2 117.2
167 13.6 11.0 16.4

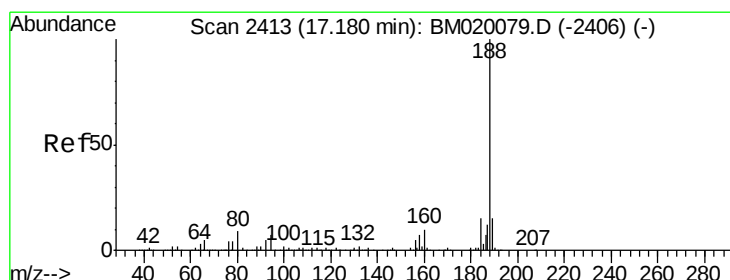
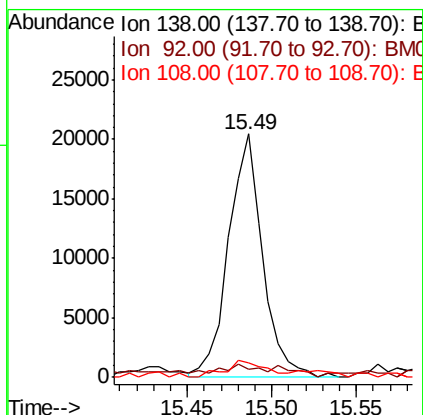
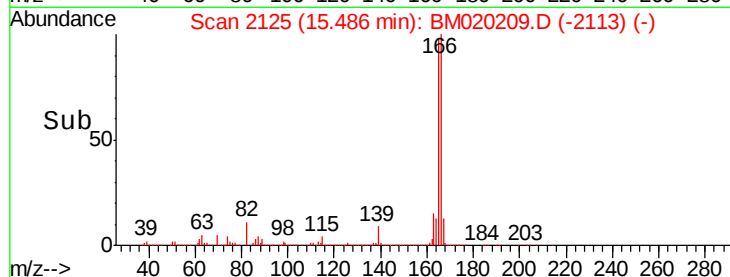
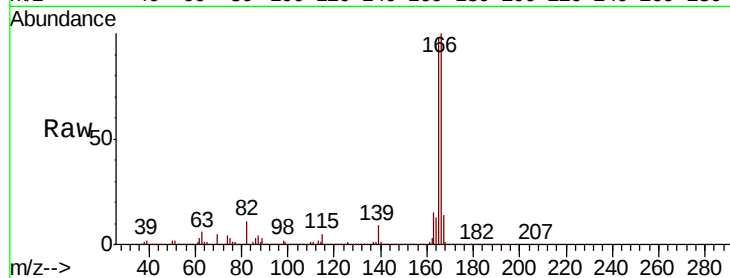




#62
4-Nitroaniline
Concen: 3.748 ng
RT: 15.49 min Scan# 2125
Delta R.T. -0.03 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

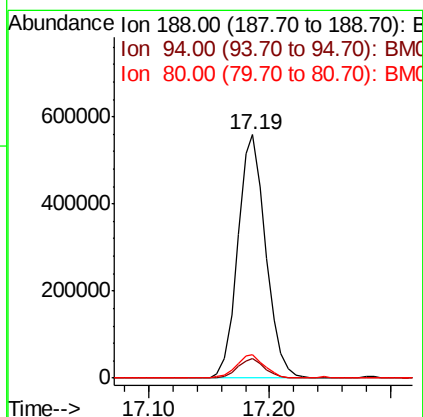
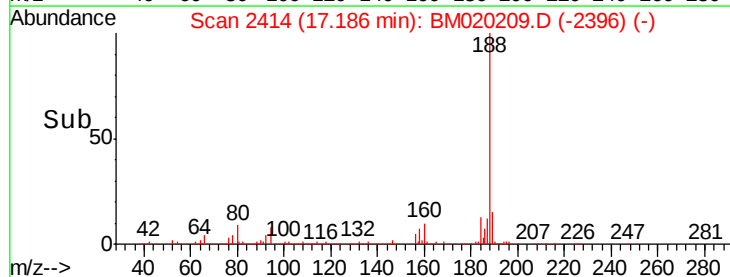
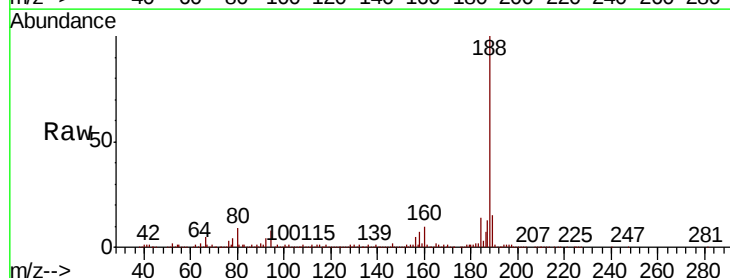
Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

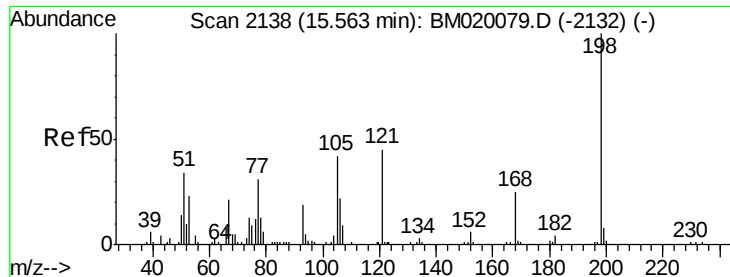
Tgt Ion:138 Resp: 28707
Ion Ratio Lower Upper
138 100
92 3.3 45.9 85.9#
108 5.8 97.7 137.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:188 Resp: 898961
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 9.4 7.4 11.2

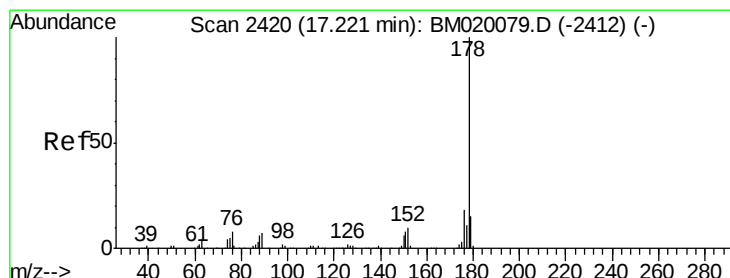
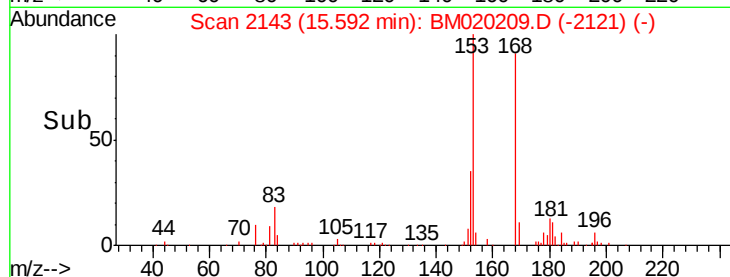
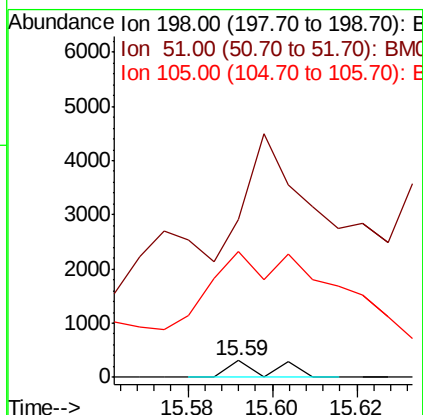
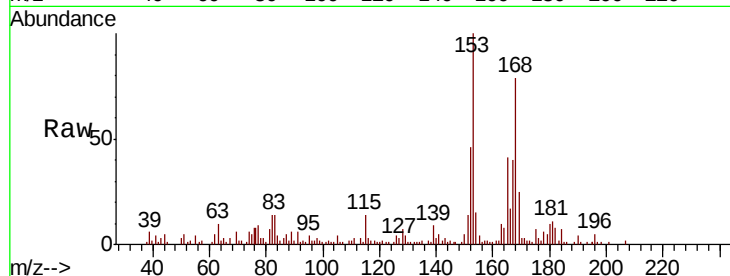




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.202 ng
 RT: 15.59 min Scan# 2143
 Delta R.T. 0.03 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

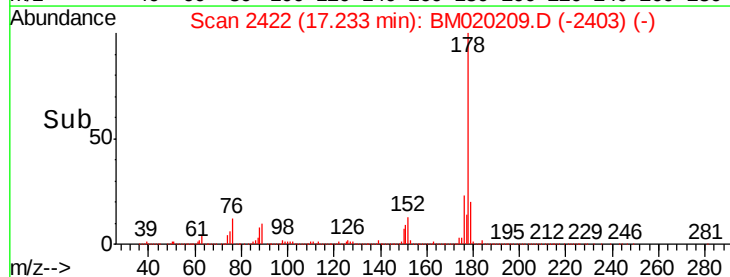
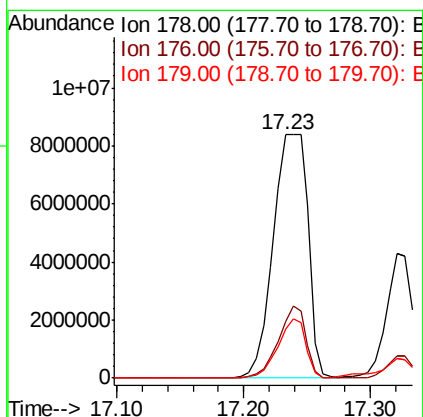
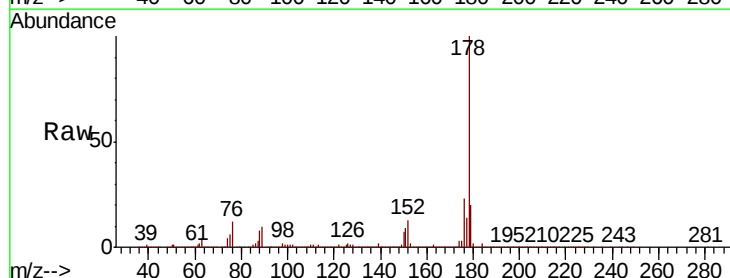
Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-A

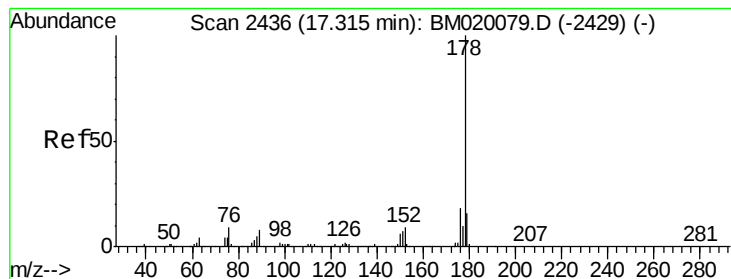
Tgt Ion:198 Resp: 214
 Ion Ratio Lower Upper
 198 100
 51 955.4 16.5 56.5#
 105 763.0 22.8 62.8#



#71
 Phenanthrene
 Concen: 324.670 ng
 RT: 17.23 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Tgt Ion:178 Resp:16111195
 Ion Ratio Lower Upper
 178 100
 176 23.5 14.6 21.8#
 179 20.0 12.4 18.6#





#72

Anthracene

Concen: 121.124 ng

RT: 17.32 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Instrument :

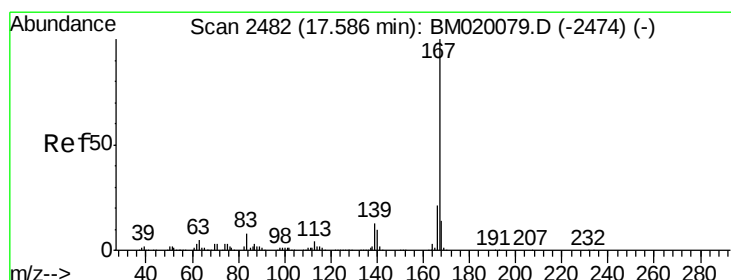
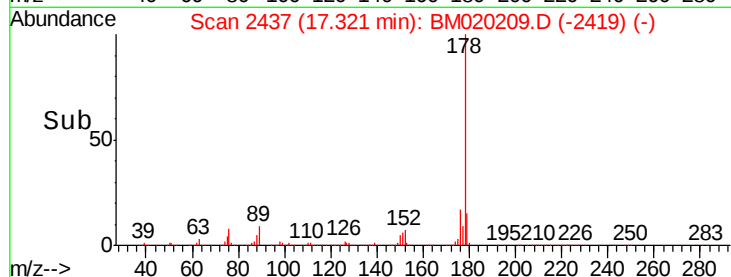
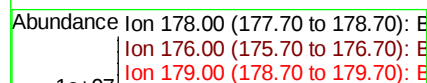
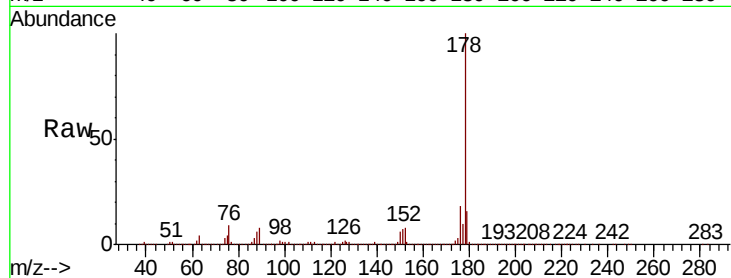
BNA_M

ClientSampleId :

PL-02-050719-A

Tgt Ion:178 Resp: 6009490

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.6	12.4	18.6



#73

Carbazole

Concen: 32.752 ng

RT: 17.59 min Scan# 2483

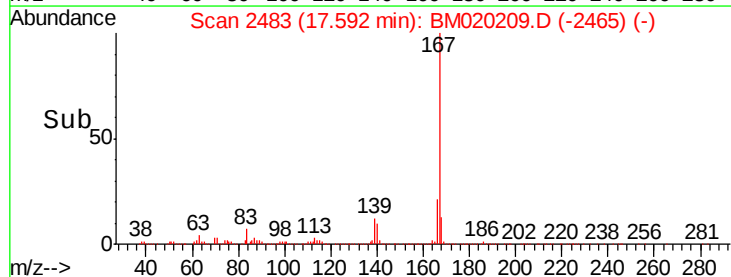
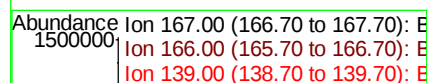
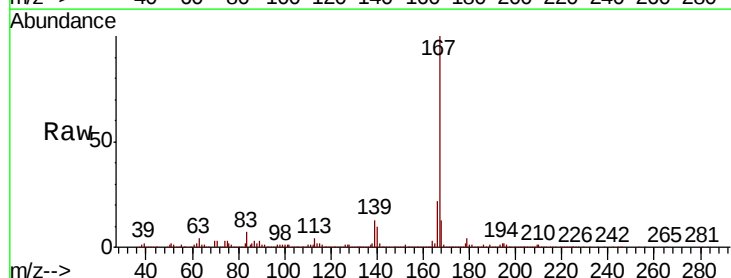
Delta R.T. 0.01 min

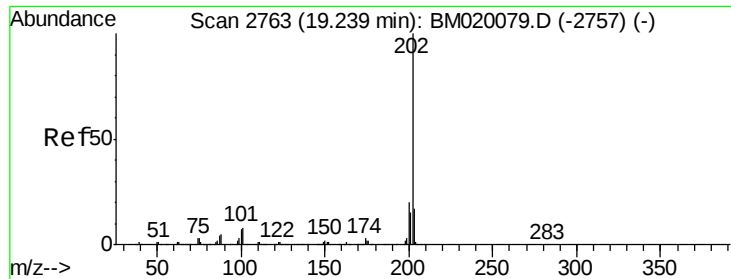
Lab File: BM020209.D

Acq: 08 May 2019 23:49

Tgt Ion:167 Resp: 1466240

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	12.8	10.6	16.0

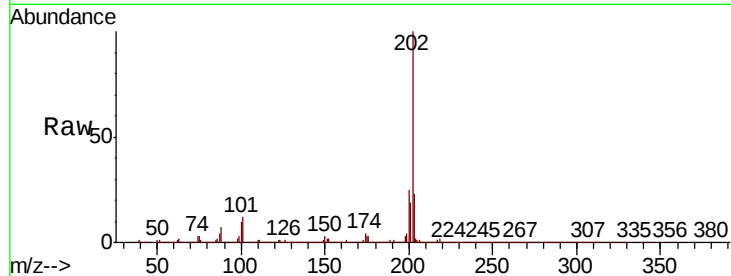




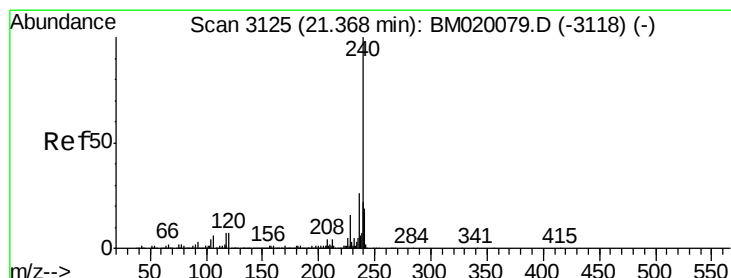
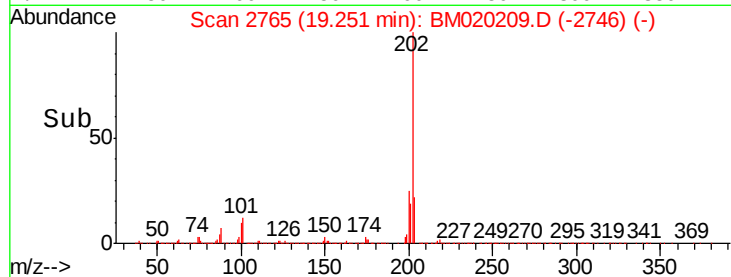
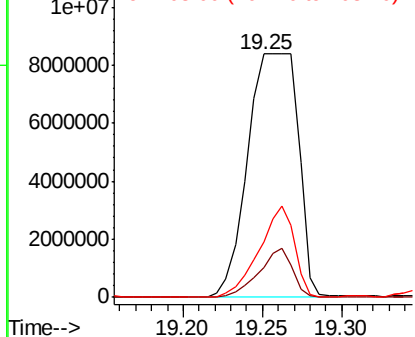
#75
 Fluoranthene
 Concen: 294.525 ng
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-A

Tgt Ion:202 Resp:18492076
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 28.4
 203 23.0 0.0 37.4

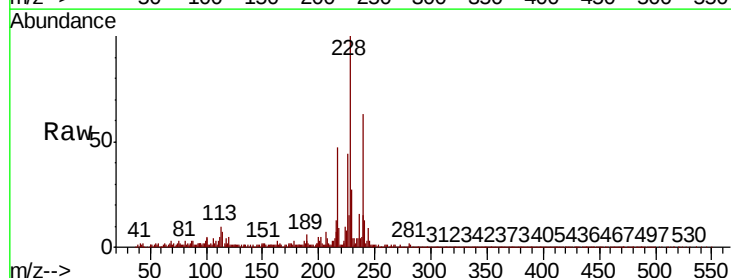


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

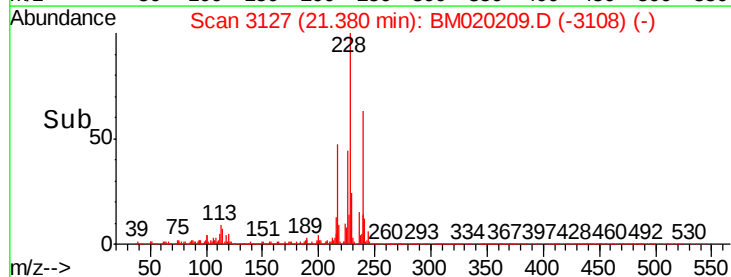
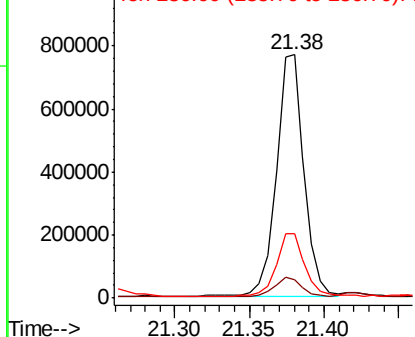


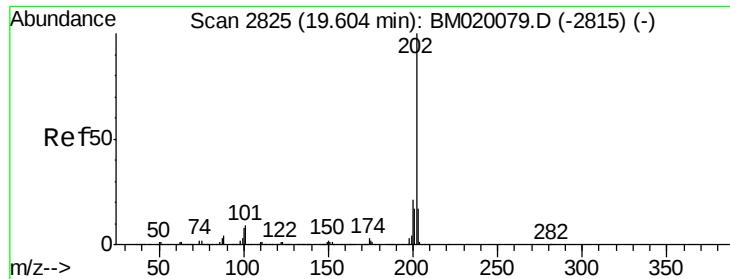
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.38 min Scan# 3127
 Delta R.T. 0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Tgt Ion:240 Resp: 989915
 Ion Ratio Lower Upper
 240 100
 120 7.7 5.6 8.4
 236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

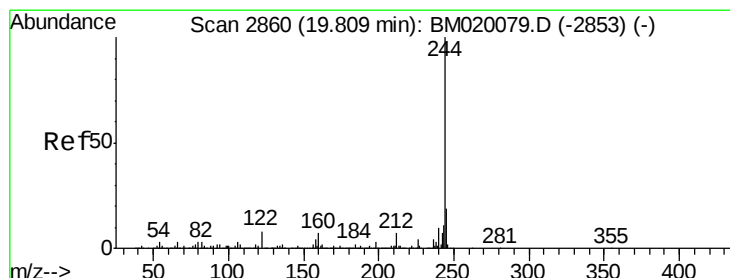
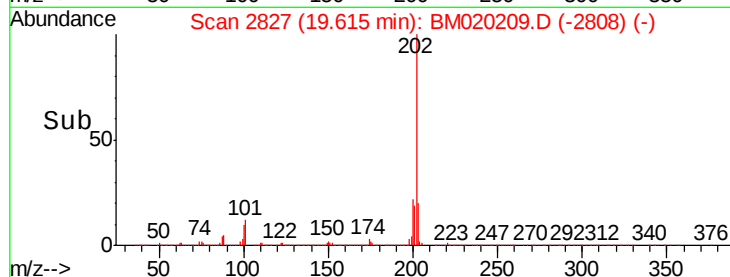
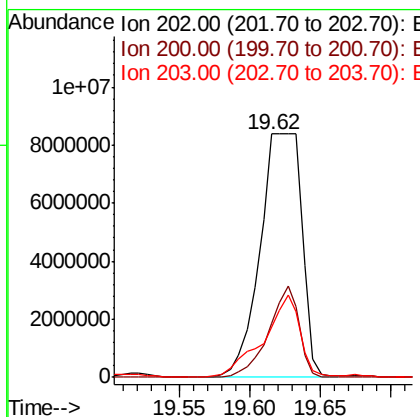
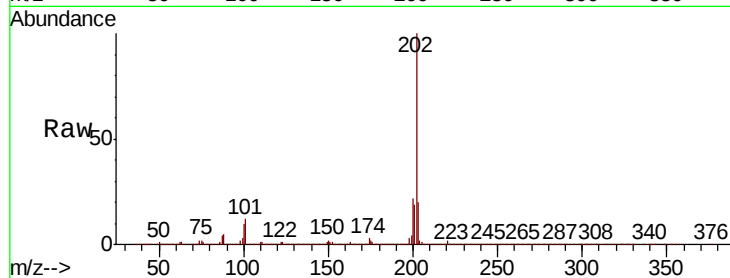




#78
 Pyrene
 Concen: 262.410 ng
 RT: 19.62 min Scan# 2827
 Delta R.T. 0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

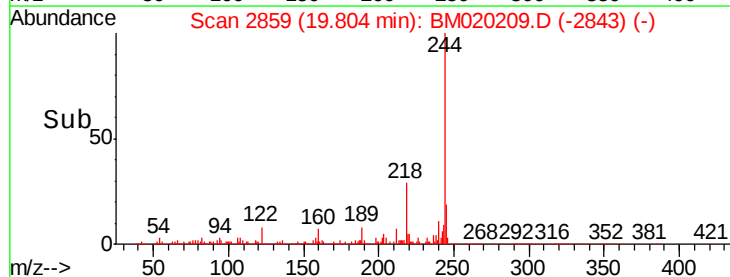
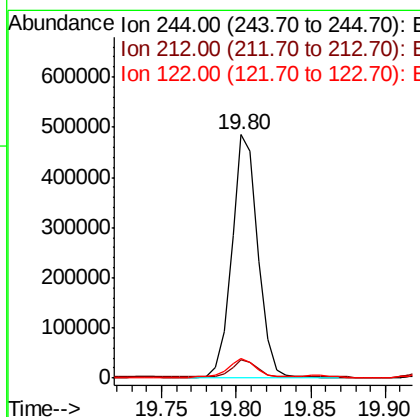
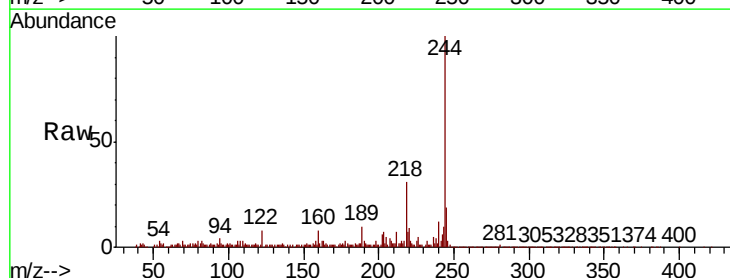
Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-A

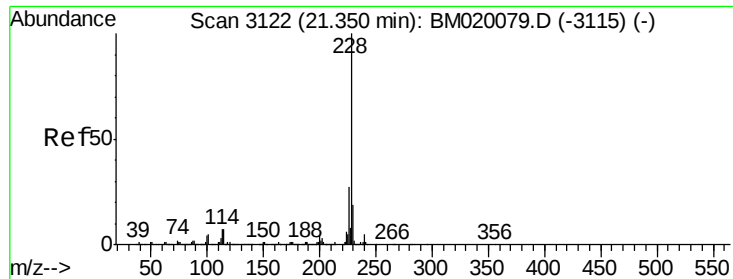
Tgt Ion:202 Resp:17440237
 Ion Ratio Lower Upper
 202 100
 200 22.0 16.5 24.7
 203 20.5 13.9 20.9



#79
 Terphenyl-d14
 Concen: 10.381 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020209.D
 Acq: 08 May 2019 23:49

Tgt Ion:244 Resp: 589147
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 7.9 6.2 9.2

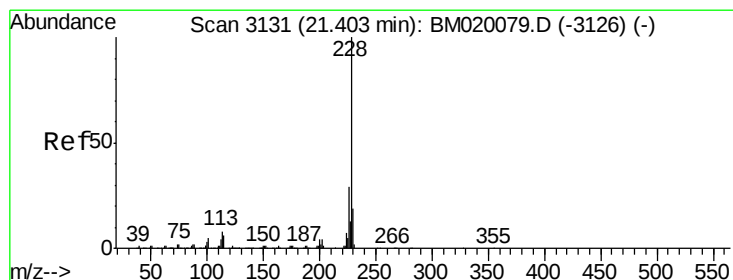
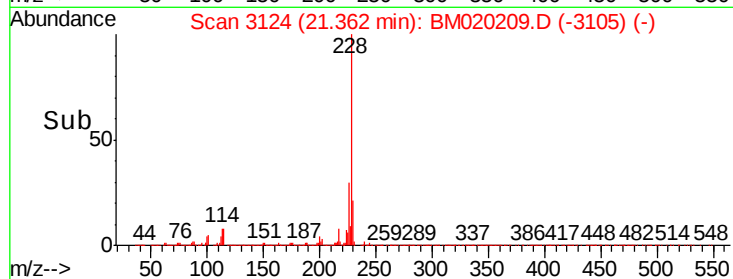
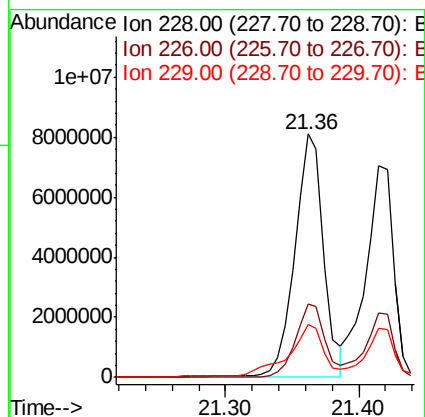
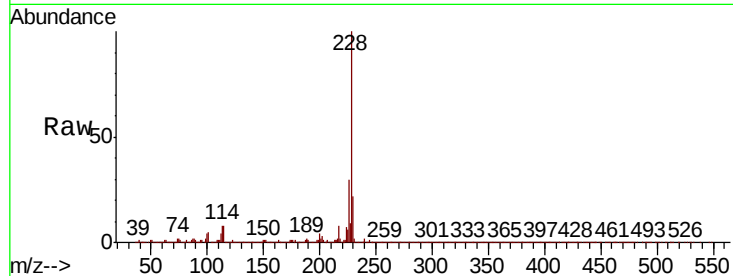




#81
Benzo(a)anthracene
Concen: 172.126 ng
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

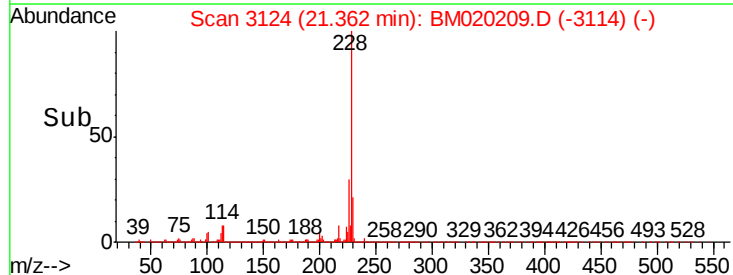
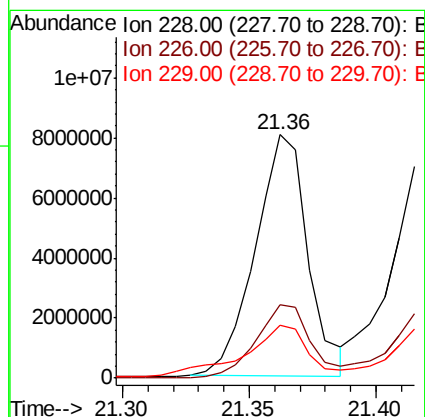
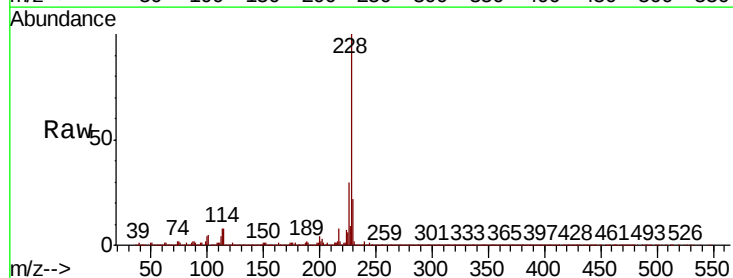
Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

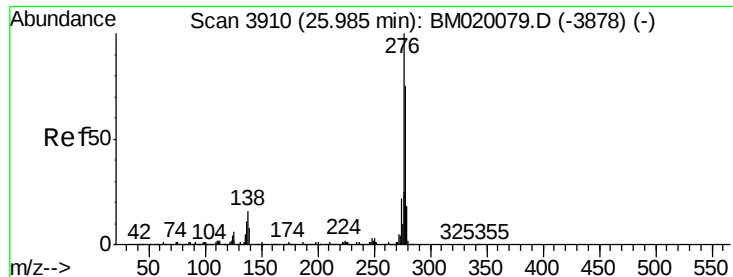
Tgt Ion:228 Resp:11949420
Ion Ratio Lower Upper
228 100
226 30.2 21.3 31.9
229 21.7 15.5 23.3



#83
Chrysene
Concen: 172.791 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.04 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:228 Resp:11633697
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.6
229 21.7 15.5 23.3

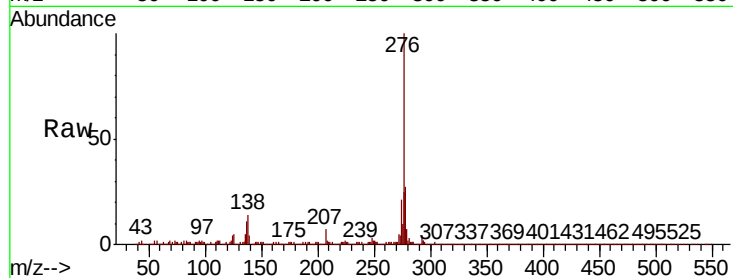




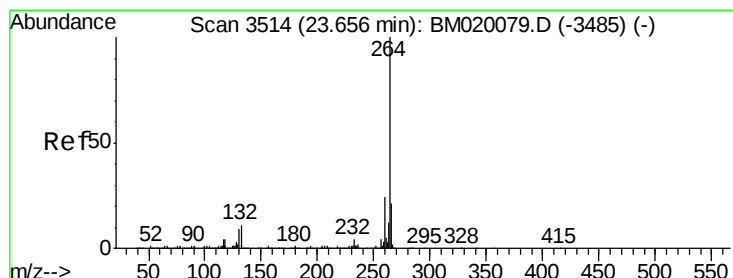
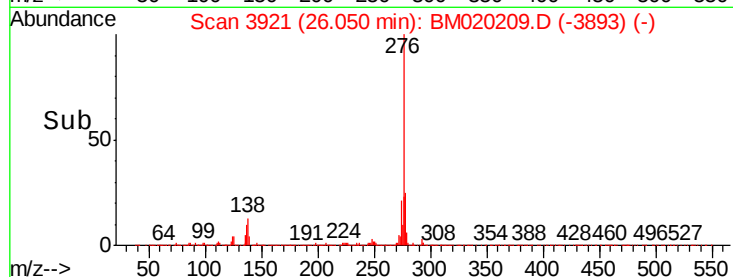
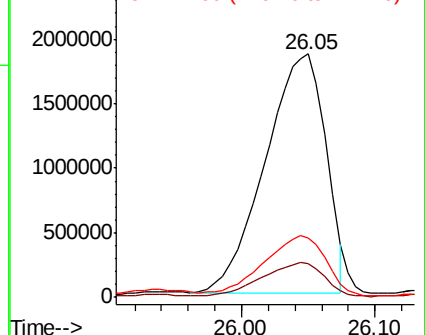
#86
Indeno(1,2,3-cd)pyrene
Concen: 72.253 ng
RT: 26.05 min Scan# 3921
Delta R.T. 0.06 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

Tgt Ion:276 Resp: 5786343
Ion Ratio Lower Upper
276 100
138 13.4 0.0 0.0#
277 22.7 0.0 0.0#

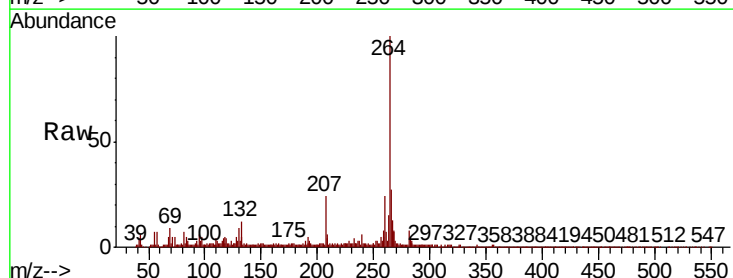


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

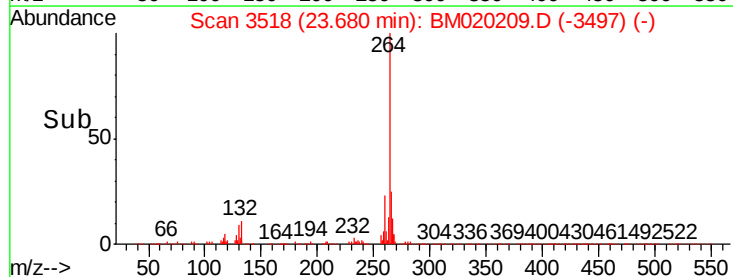
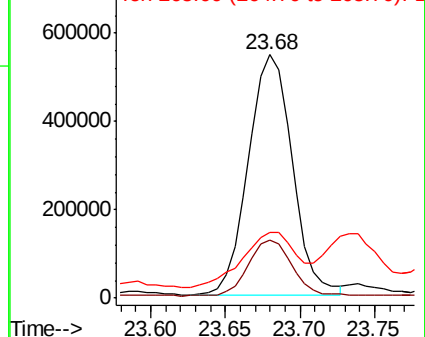


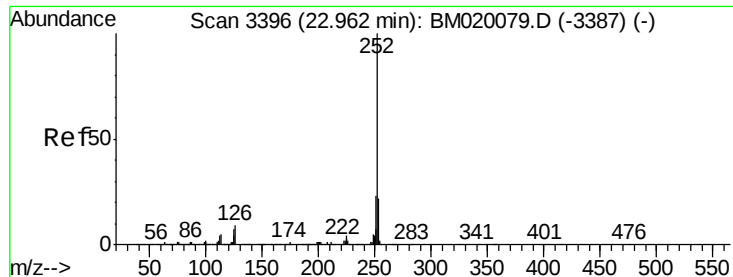
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.68 min Scan# 3518
Delta R.T. 0.02 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:264 Resp: 1113357
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 27.2 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

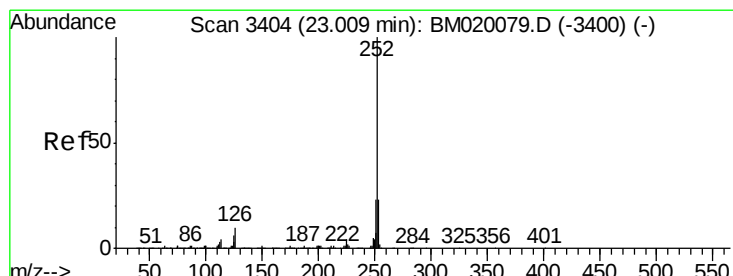
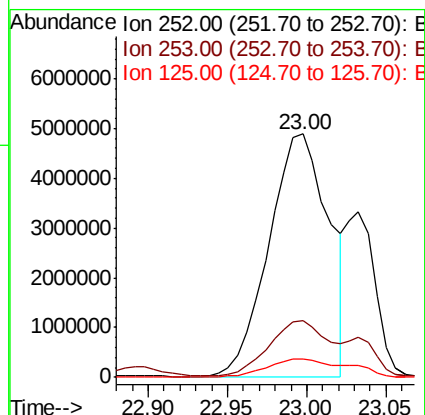
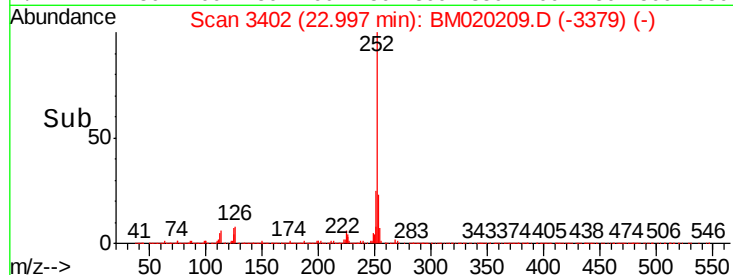
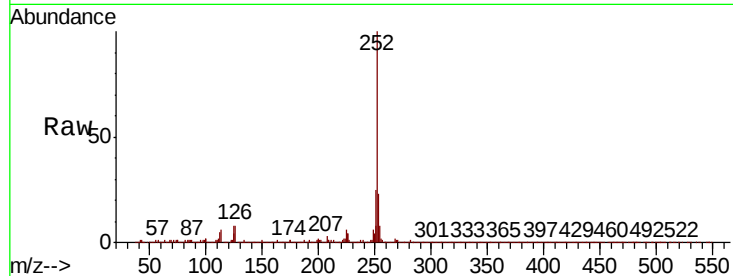




#88
Benzo(b)fluoranthene
Concen: 174.269 ng
RT: 23.00 min Scan# 3402
Delta R.T. 0.04 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

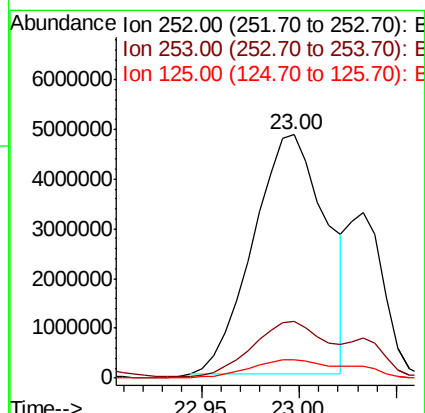
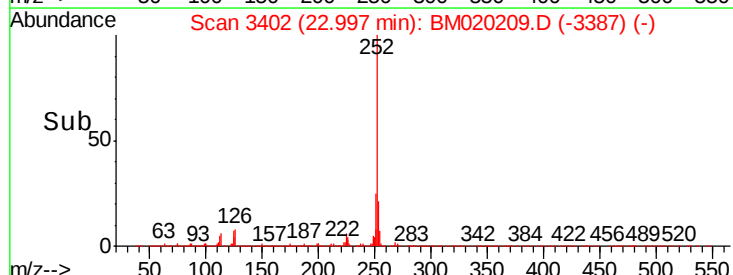
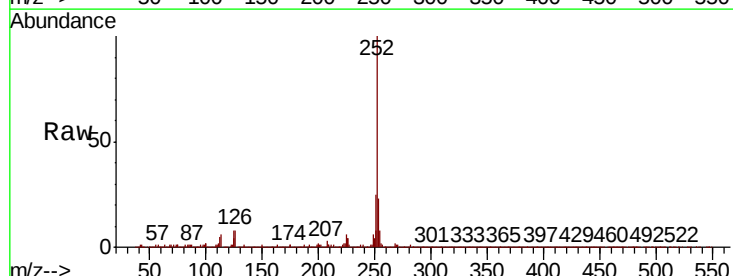
Instrument :
BNA_M
ClientSampleId :
PL-02-050719-A

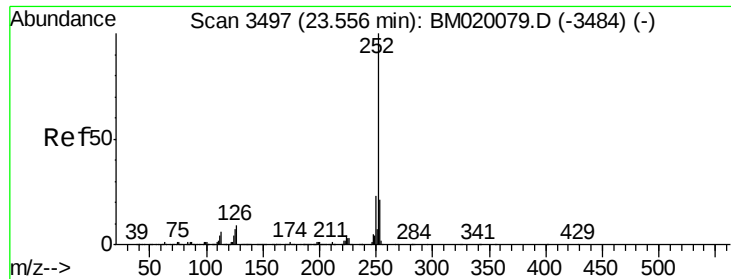
Tgt Ion:252 Resp:12812292
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 7.7 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 187.002 ng
RT: 23.00 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM020209.D
Acq: 08 May 2019 23:49

Tgt Ion:252 Resp:12541130
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 7.7 5.4 8.0





#90

Benzo(a)pyrene

Concen: 143.965 ng

RT: 23.59 min Scan# 3503

Delta R.T. 0.04 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Instrument :

BNA_M

ClientSampleId :

PL-02-050719-A

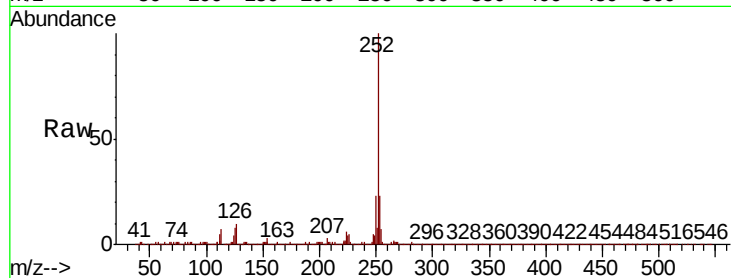
Tgt Ion:252 Resp: 9613984

Ion Ratio Lower Upper

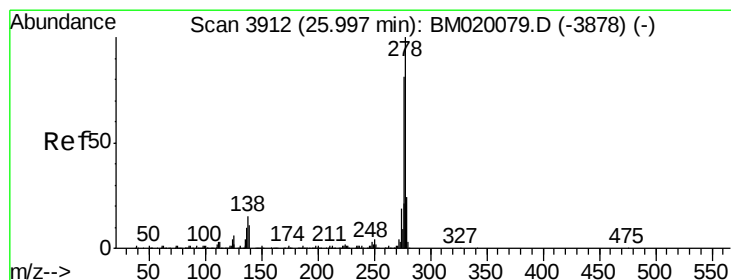
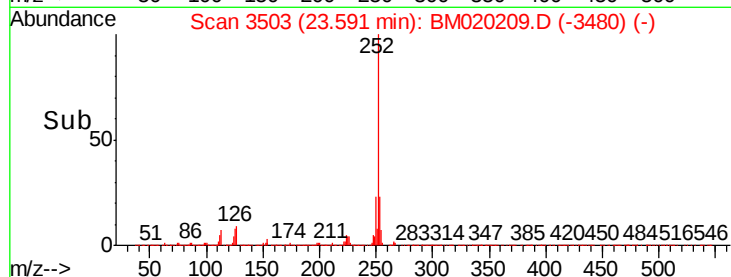
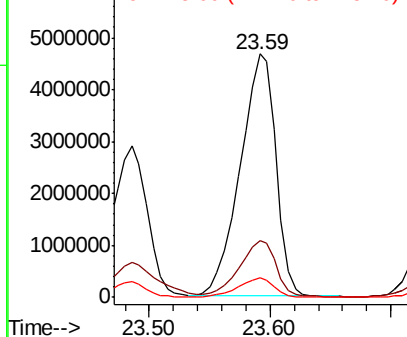
252 100

253 23.3 17.0 25.6

125 8.0 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



#91

Dibenzo(a,h)anthracene

Concen: 23.712 ng

RT: 26.04 min Scan# 3919

Delta R.T. 0.04 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

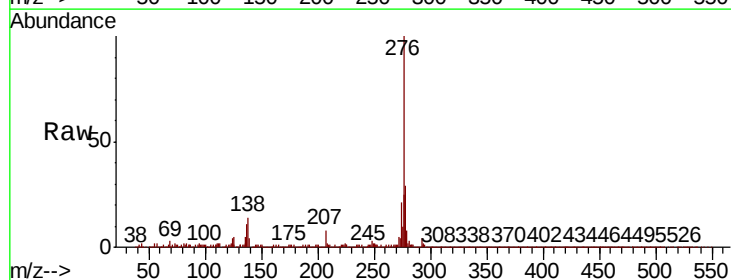
Tgt Ion:278 Resp: 1646795

Ion Ratio Lower Upper

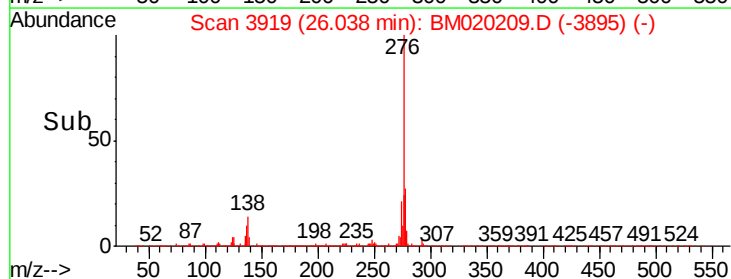
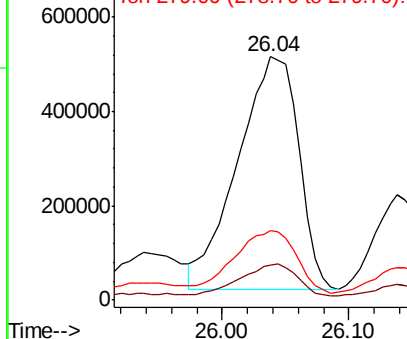
278 100

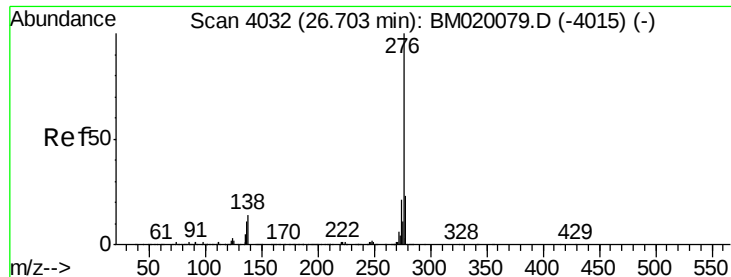
139 14.4 8.6 13.0#

279 28.4 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 80.344 ng

RT: 26.78 min Scan# 4045

Delta R.T. 0.08 min

Lab File: BM020209.D

Acq: 08 May 2019 23:49

Instrument :

BNA_M

ClientSampleId :

PL-02-050719-A

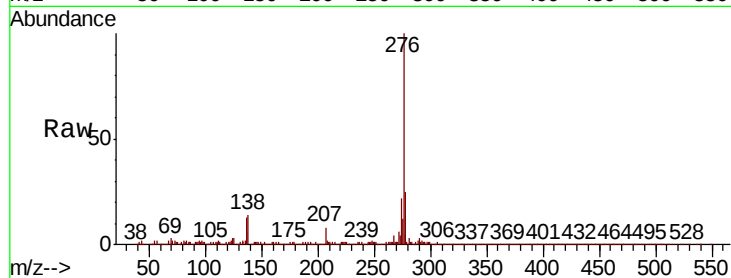
Tgt Ion:276 Resp: 5297483

Ion Ratio Lower Upper

276 100

277 25.4 18.4 27.6

138 14.2 11.1 16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

