

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031521\
 Data File : BM029141.D
 Acq On : 15 Mar 2021 21:51
 Operator : CG/JU
 Sample : M1668-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-031221

Quant Time: Mar 16 00:30:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 12:30:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

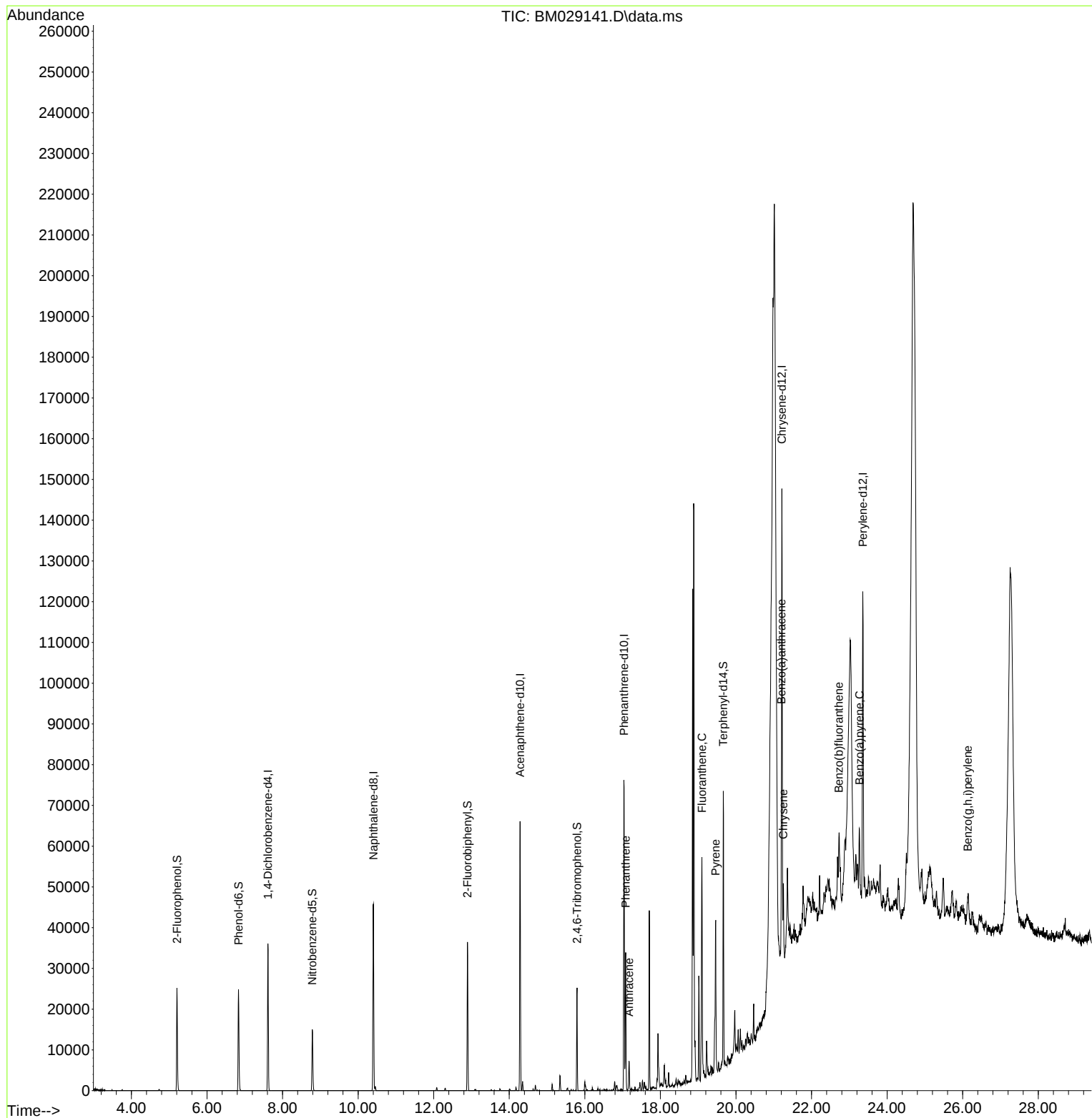
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	9356	20.00	ng	-0.01
21) Naphthalene-d8	10.404	136	36694	20.00	ng	#-0.01
39) Acenaphthene-d10	14.286	164	21493	20.00	ng	-0.01
64) Phenanthrene-d10	17.033	188	44031	20.00	ng	-0.01
76) Chrysene-d12	21.215	240	43351	20.00	ng	#-0.01
86) Perylene-d12	23.356	264	44132	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.205	112	10320	18.28	ng	0.00
7) Phenol-d6	6.834	99	12536	16.81	ng	0.01
23) Nitrobenzene-d5	8.787	82	8159	12.00	ng	-0.01
42) 2,4,6-Tribromophenol	15.792	330	4238	16.64	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	18570	11.50	ng	-0.01
79) Terphenyl-d14	19.663	244	26436	11.26	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.080	178	19697	7.51	ng	98
72) Anthracene	17.169	178	5352	2.06	ng	99
75) Fluoranthene	19.098	202	24634	8.55	ng	98
78) Pyrene	19.463	202	22586	7.09	ng	99
81) Benzo(a)anthracene	21.204	228	10785	3.58	ng	99
83) Chrysene	21.251	228	10035	3.42	ng	96
88) Benzo(b)fluoranthene	22.721	252	12848	4.12	ng	# 93
90) Benzo(a)pyrene	23.268	252	9990	3.51	ng	# 93
92) Benzo(g,h,i)perylene	26.133	276	6174	2.21	ng	# 96

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

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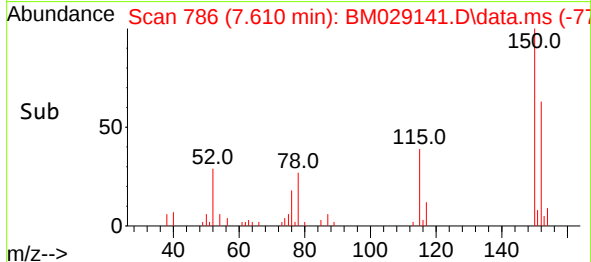
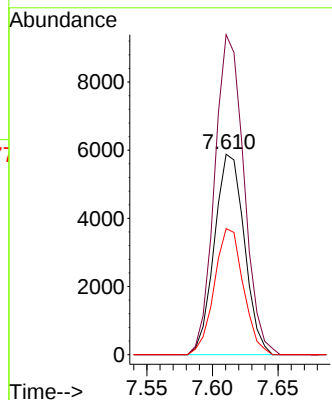
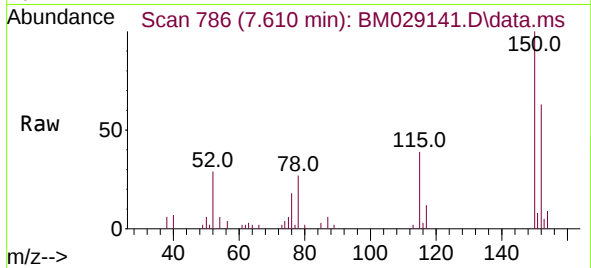




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.610 min Scan# 786
Delta R.T. -0.012 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

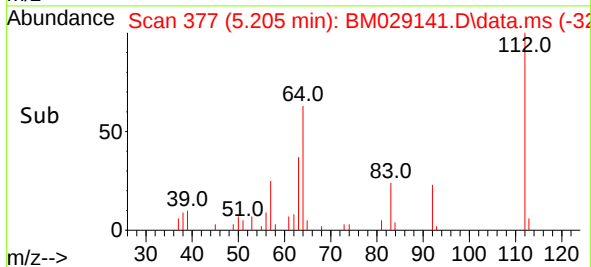
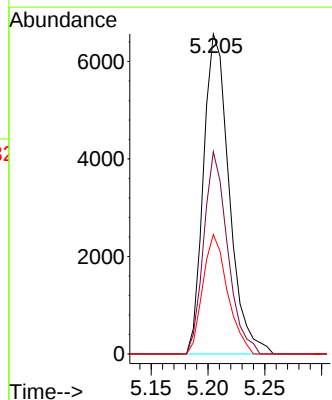
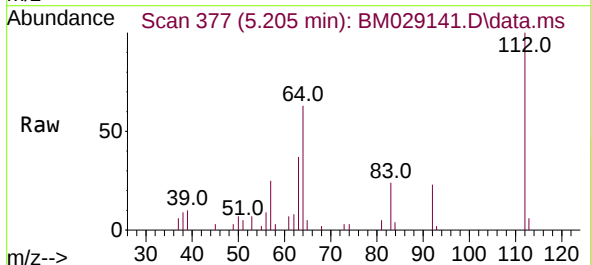
Instrument :
BNA_M
ClientSampled :
CL-02-031221

Tgt Ion:152 Resp: 9356
Ion Ratio Lower Upper
152 100
150 159.6 120.6 181.0
115 62.9 47.2 70.8



#5
2-Fluorophenol
Concen: 18.28 ng
RT: 5.205 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion:112 Resp: 10320
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 37.3 31.0 46.6

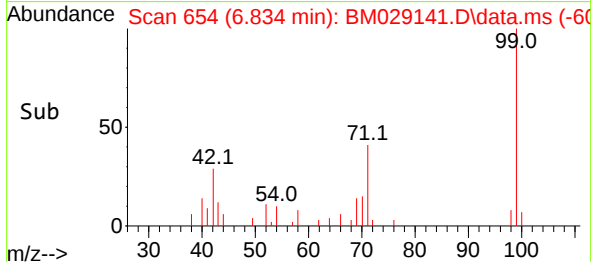
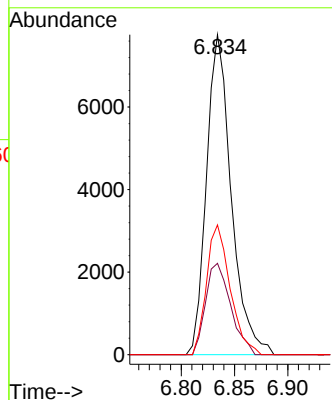
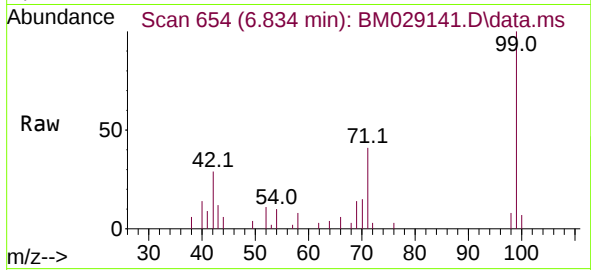




#7
Phenol-d6
Concen: 16.81 ng
RT: 6.834 min Scan# 654
Delta R.T. 0.012 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

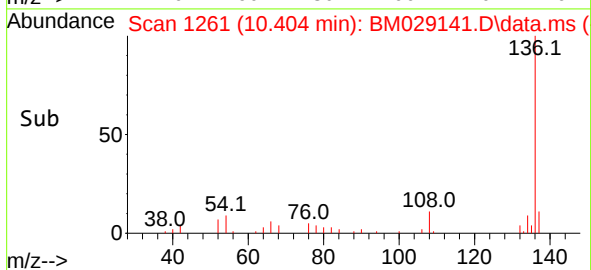
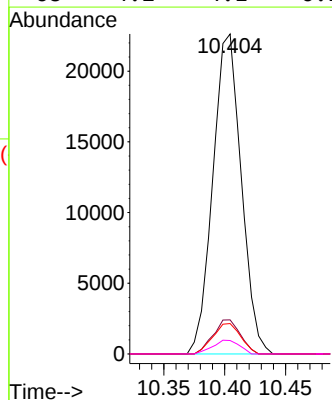
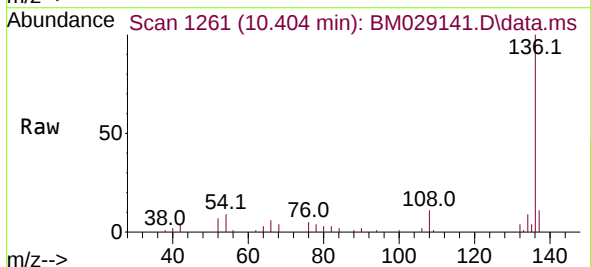
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

Tgt Ion: 99 Resp: 12536
Ion Ratio Lower Upper
99 100
42 28.5 13.5 20.3#
71 40.5 39.4 59.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.404 min Scan# 1261
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion: 136 Resp: 36694
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.5 4.6 7.0#
68 4.2 4.1 6.1

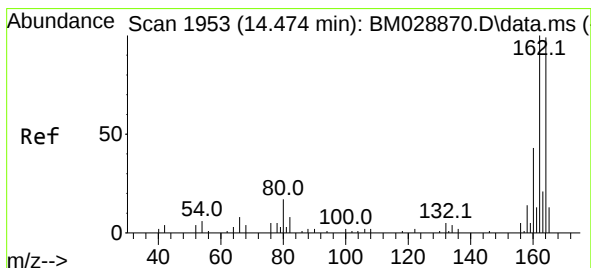
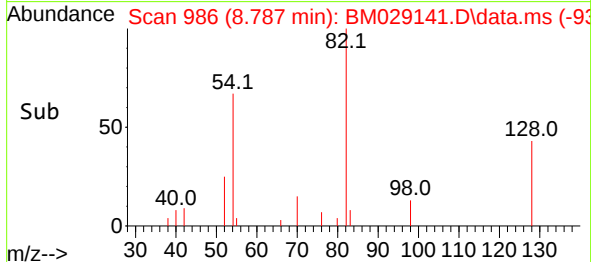
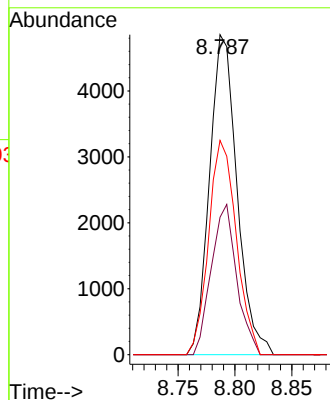
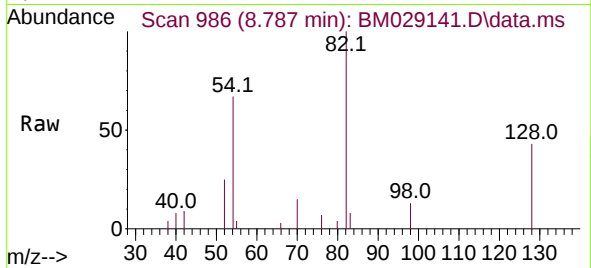




#23
Nitrobenzene-d5
Concen: 12.00 ng
RT: 8.787 min Scan# 986
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

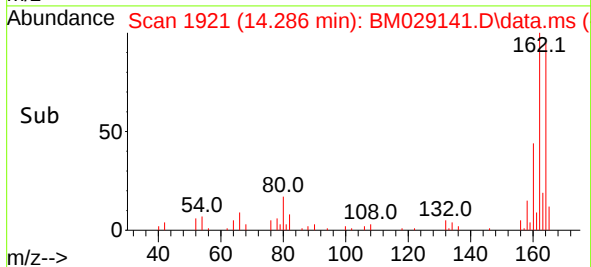
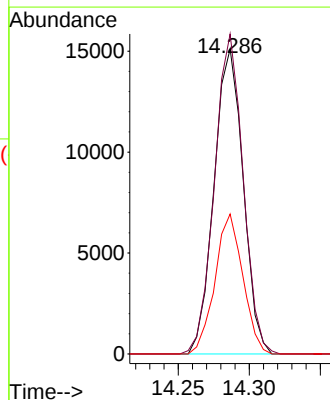
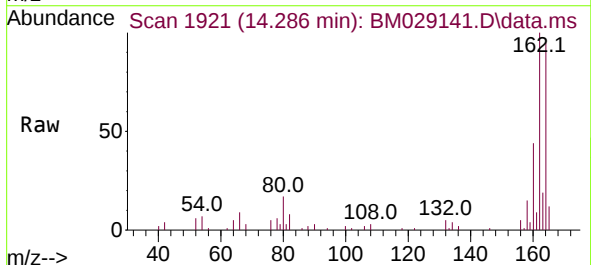
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

Tgt Ion: 82 Resp: 8159
Ion Ratio Lower Upper
82 100
128 42.9 27.4 41.0#
54 66.9 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.286 min Scan# 1921
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion: 164 Resp: 21493
Ion Ratio Lower Upper
164 100
162 104.9 80.4 120.6
160 45.9 35.9 53.9

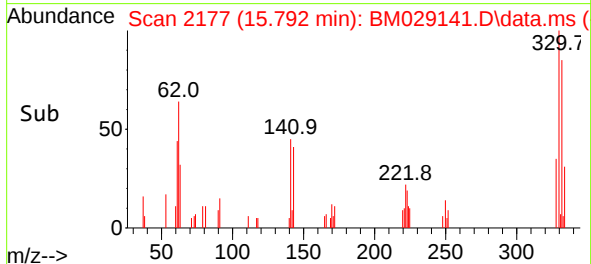
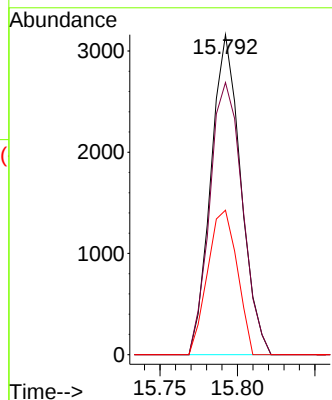
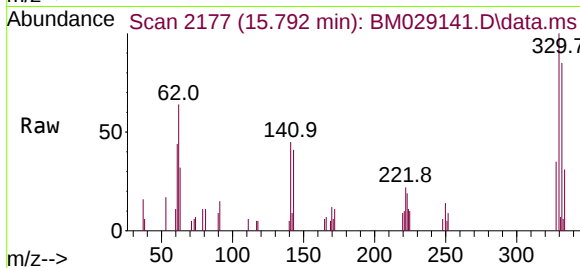




#42
2,4,6-Tribromophenol
Concen: 16.64 ng
RT: 15.792 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

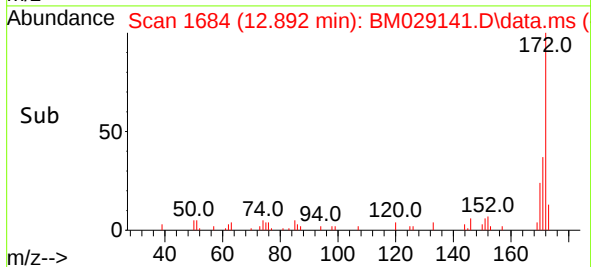
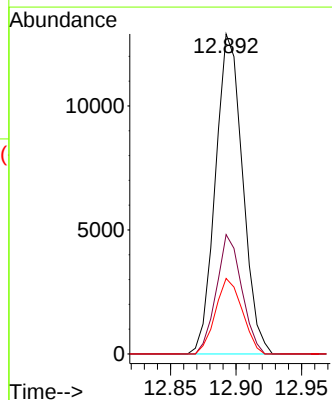
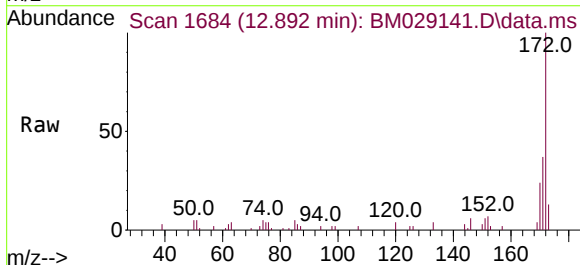
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

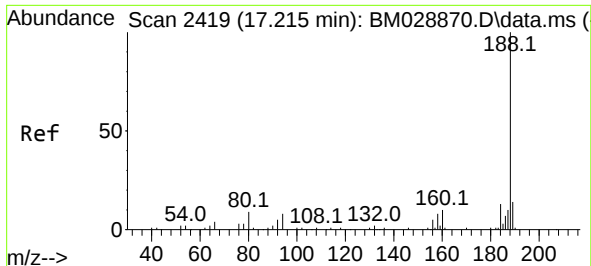
Tgt Ion:330 Resp: 4238
Ion Ratio Lower Upper
330 100
332 92.8 77.8 116.8
141 44.6 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 11.50 ng
RT: 12.892 min Scan# 1684
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion:172 Resp: 18570
Ion Ratio Lower Upper
172 100
171 37.3 27.8 41.8
170 23.6 18.6 27.8

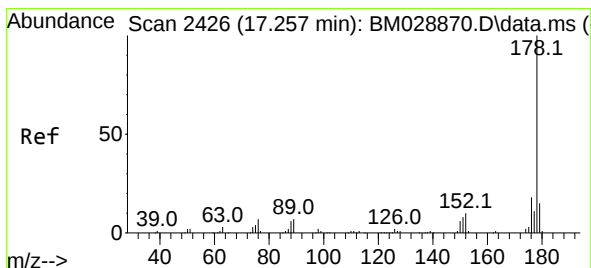
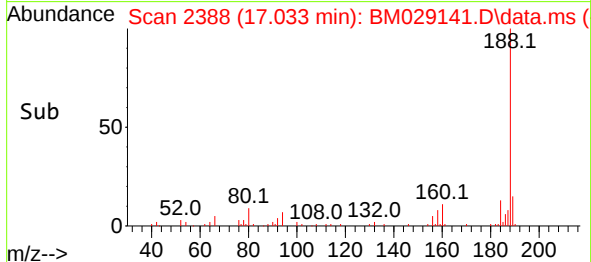
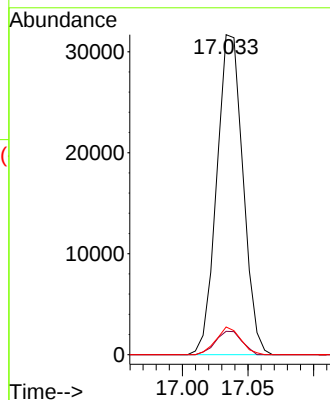
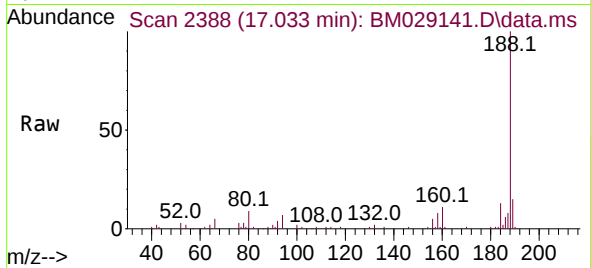




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.033 min Scan# 2388
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

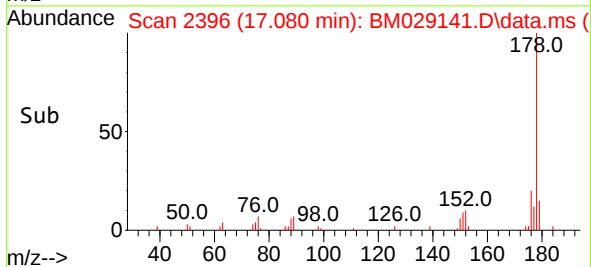
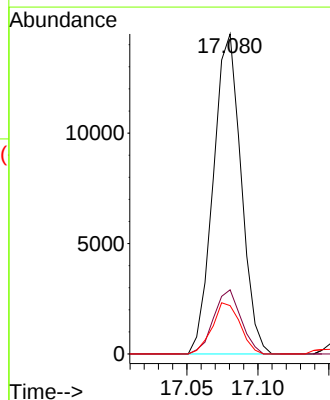
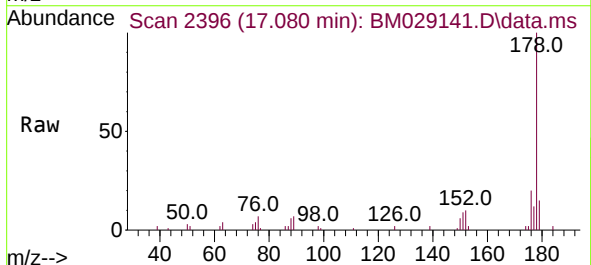
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

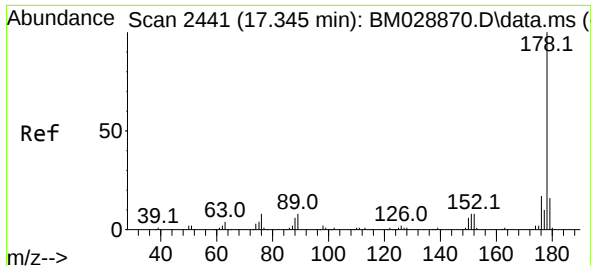
Tgt Ion:188 Resp: 44031
Ion Ratio Lower Upper
188 100
94 7.3 6.2 9.4
80 8.6 7.5 11.3



#71
Phenanthrene
Concen: 7.51 ng
RT: 17.080 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion:178 Resp: 19697
Ion Ratio Lower Upper
178 100
176 20.0 15.0 22.6
179 15.1 12.2 18.4

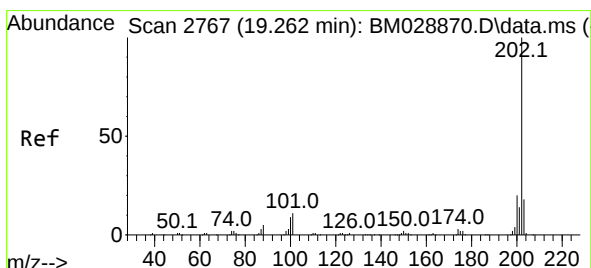
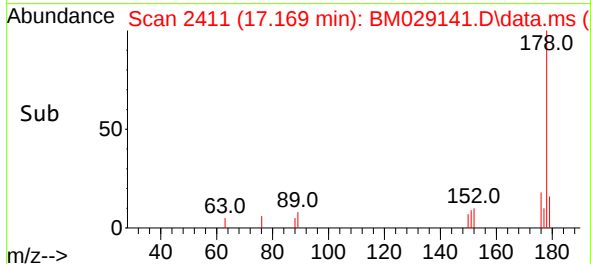
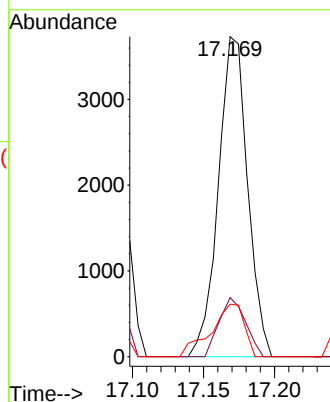
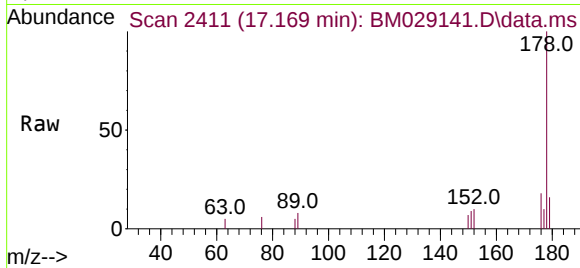




#72
 Anthracene
 Concen: 2.06 ng
 RT: 17.169 min Scan# 2411
 Delta R.T. -0.011 min
 Lab File: BM029141.D
 Acq: 15 Mar 2021 21:51

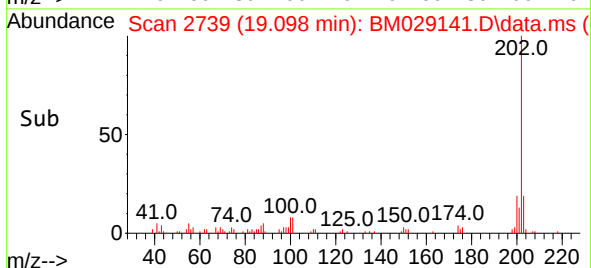
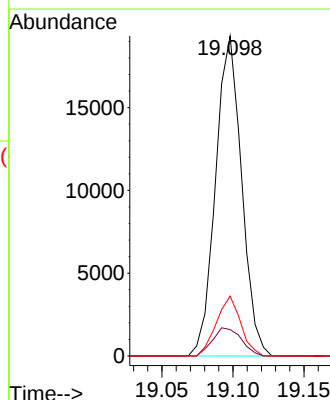
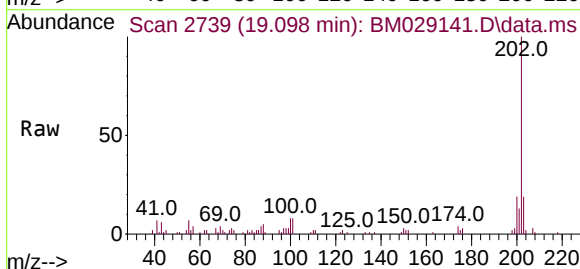
Instrument :
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 ClientSampleId :
 CL-02-031221

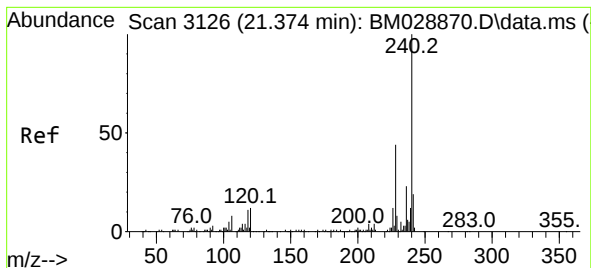
Tgt Ion:	178	Resp:	5352
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.4
179	16.4	12.5	18.7



#75
 Fluoranthene
 Concen: 8.55 ng
 RT: 19.098 min Scan# 2739
 Delta R.T. -0.006 min
 Lab File: BM029141.D
 Acq: 15 Mar 2021 21:51

Tgt Ion:	202	Resp:	24634
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	28.5
203	18.7	0.0	37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.215 min Scan# 3099

Delta R.T. -0.011 min

Lab File: BM029141.D

Acq: 15 Mar 2021 21:51

Tgt Ion:240 Resp: 43351

Ion Ratio Lower Upper

240 100

120 9.9 6.4 9.6#

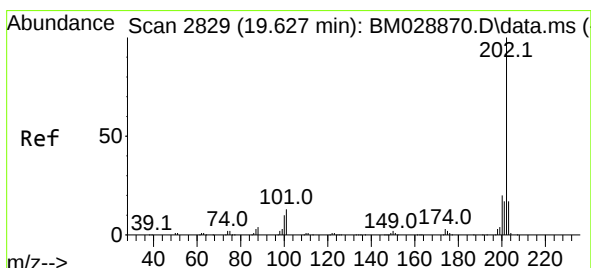
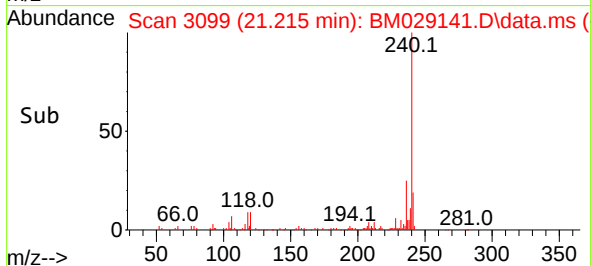
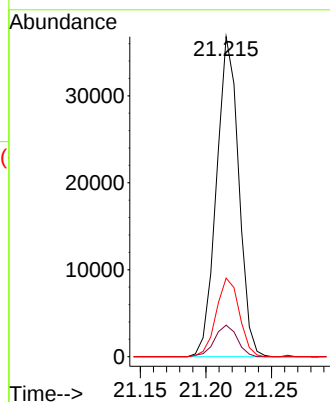
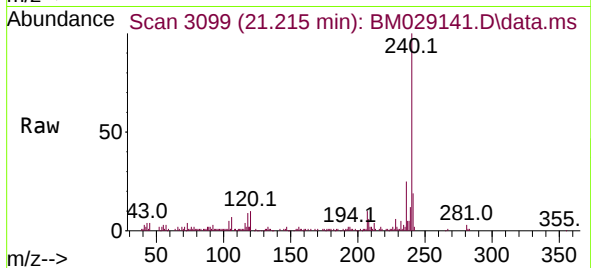
236 24.6 20.1 30.1

Instrument :

BNA_M

ClientSampleId :

CL-02-031221



#78

Pyrene

Concen: 7.09 ng

RT: 19.463 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM029141.D

Acq: 15 Mar 2021 21:51

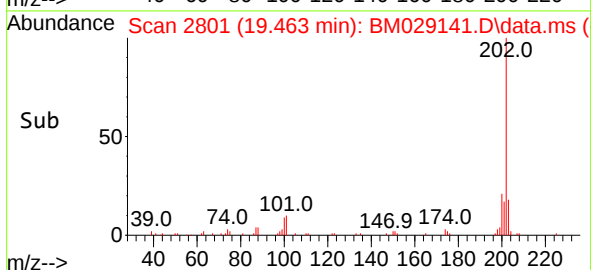
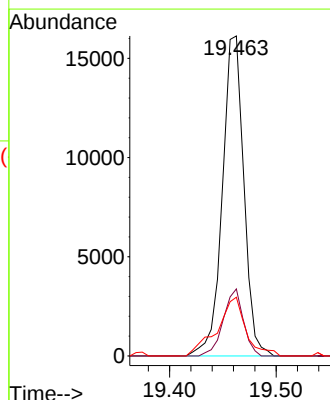
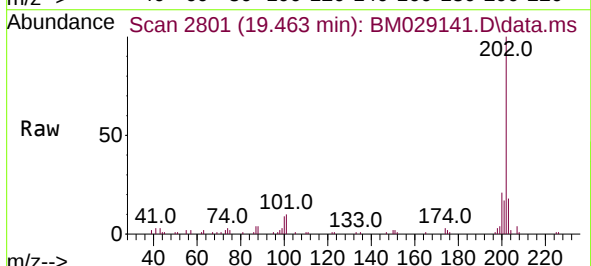
Tgt Ion:202 Resp: 22586

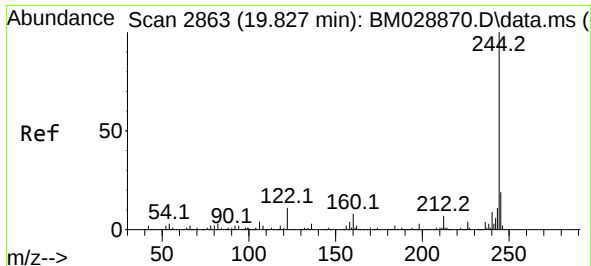
Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 18.4 13.8 20.6

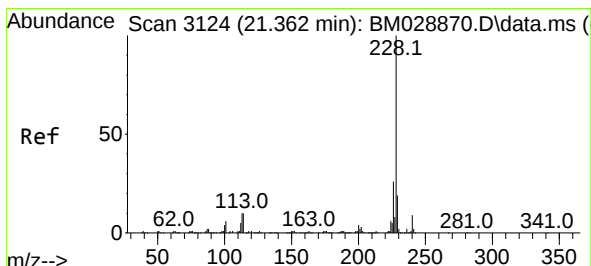
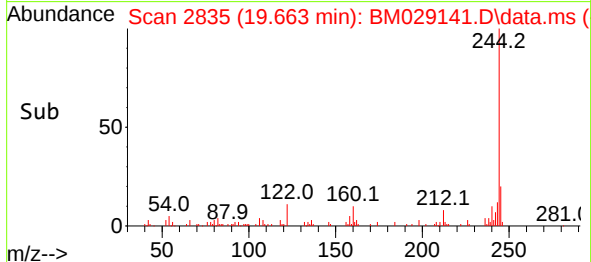
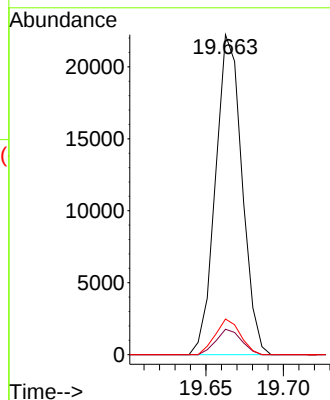
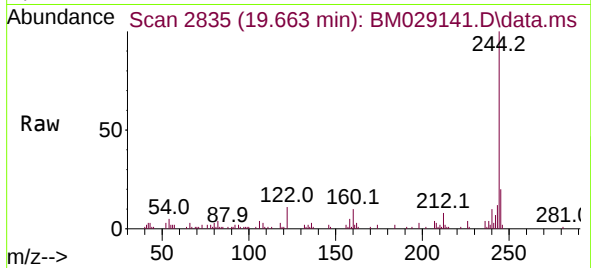




#79
 Terphenyl-d14
 Concen: 11.26 ng
 RT: 19.663 min Scan# 2835
 Delta R.T. -0.011 min
 Lab File: BM029141.D
 Acq: 15 Mar 2021 21:51

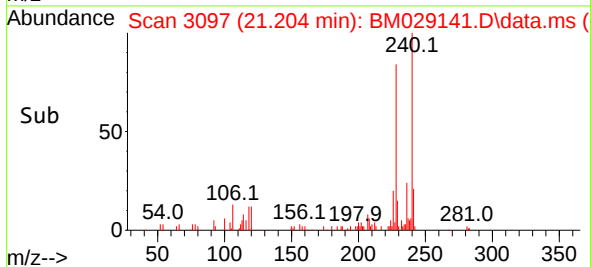
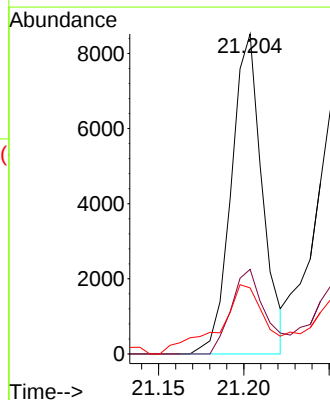
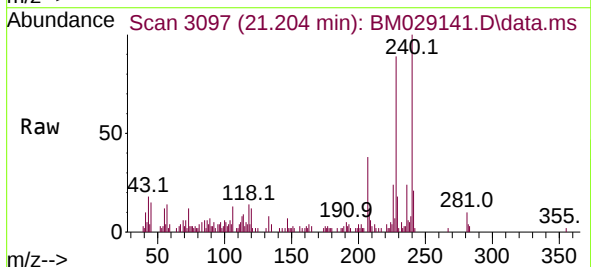
Instrument :
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 CL-02-031221

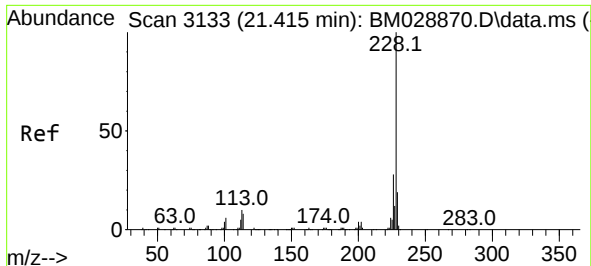
Tgt Ion:244 Resp: 26436
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 11.1 6.5 9.7#



#81
 Benzo(a)anthracene
 Concen: 3.58 ng
 RT: 21.204 min Scan# 3097
 Delta R.T. -0.006 min
 Lab File: BM029141.D
 Acq: 15 Mar 2021 21:51

Tgt Ion:228 Resp: 10785
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.1 31.7
 229 20.6 15.7 23.5

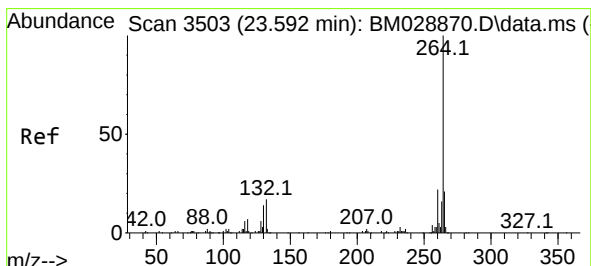
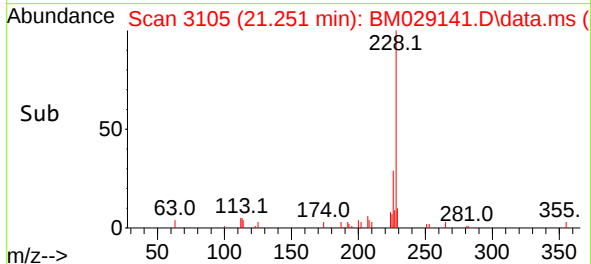
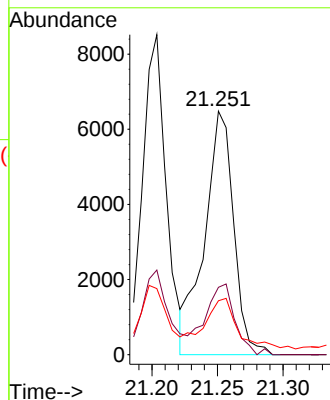
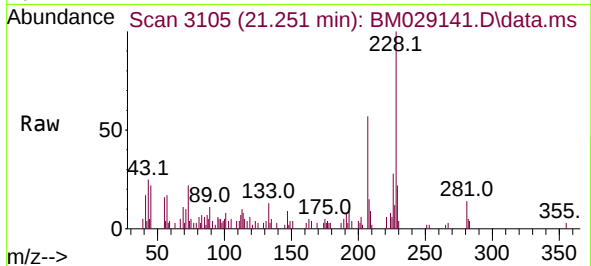




#83
Chrysene
Concen: 3.42 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

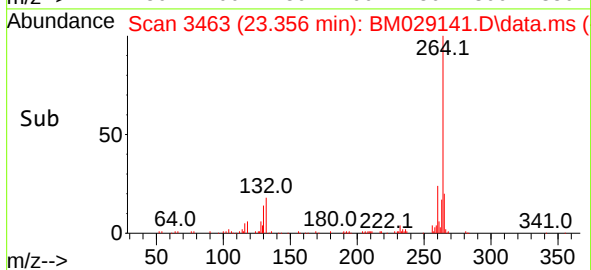
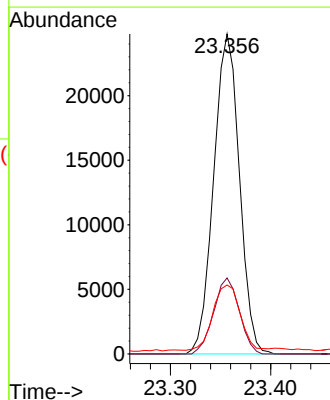
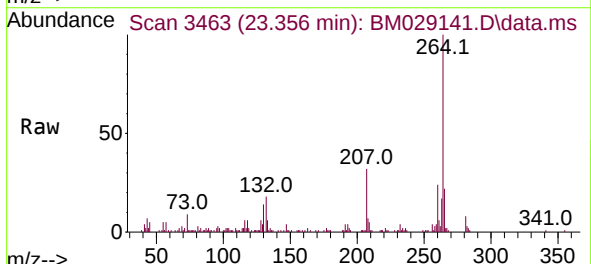
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

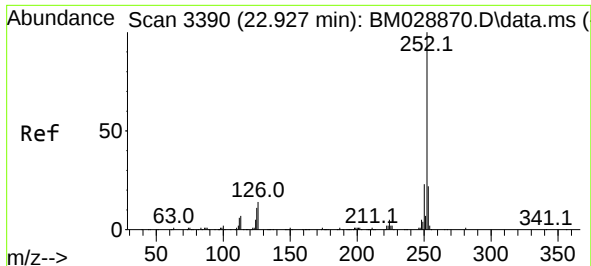
Tgt Ion:228	Resp:	10035
Ion Ratio	Lower	Upper
228	100	
226	27.7	23.4 35.0
229	22.1	15.7 23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.356 min Scan# 3463
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion:264	Resp:	44132
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.0 28.4
265	21.5	17.7 26.5

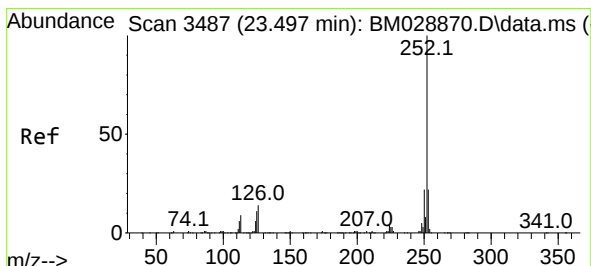
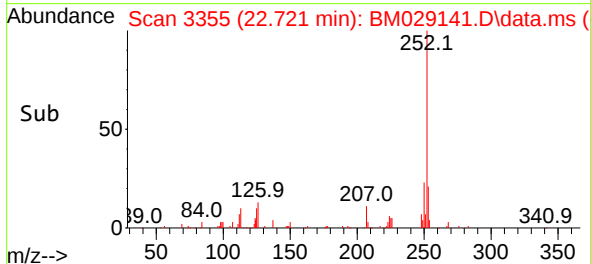
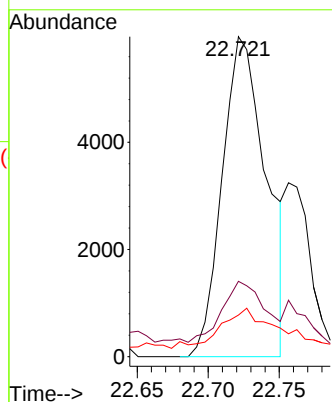
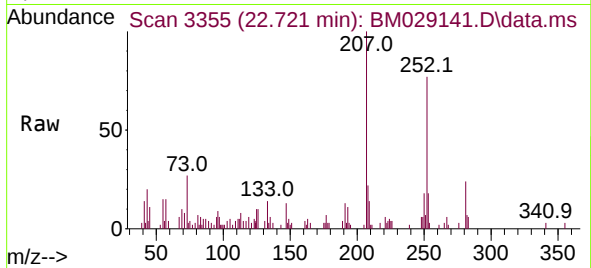




#88
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 22.721 min Scan# 3355
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

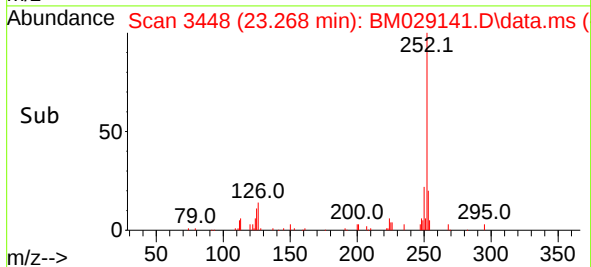
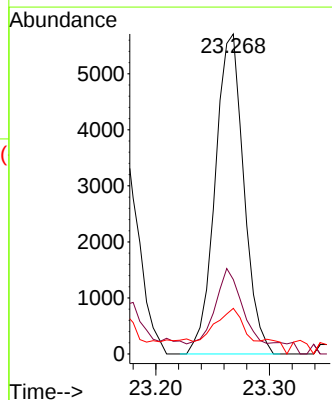
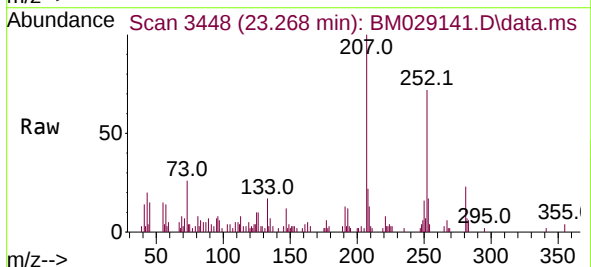
Instrument :
BNA_M
ClientSampleId :
CL-02-031221

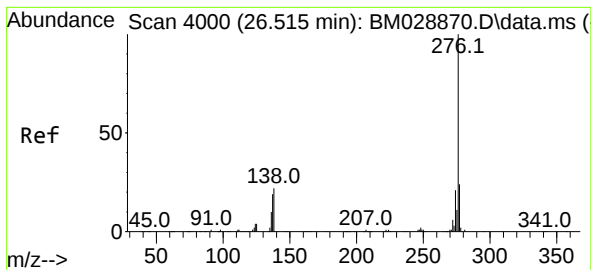
Tgt Ion:252 Resp: 12848
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 13.0 5.7 8.5#



#90
Benzo(a)pyrene
Concen: 3.51 ng
RT: 23.268 min Scan# 3448
Delta R.T. -0.011 min
Lab File: BM029141.D
Acq: 15 Mar 2021 21:51

Tgt Ion:252 Resp: 9990
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 14.3 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.21 ng
 RT: 26.133 min Scan# 3935
 Delta R.T. -0.023 min
 Lab File: BM029141.D
 Acq: 15 Mar 2021 21:51

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-031221

Tgt Ion:276 Resp: 6174
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 28.0
 138 18.9 12.2 18.2#

