

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022421\
 Data File : BM028887.D
 Acq On : 24 Feb 2021 19:59
 Operator : CG/JU
 Sample : M1462-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-01-022221

Quant Time: Feb 25 00:12:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 23 16:39:41 2021
 Response via : Initial Calibration

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

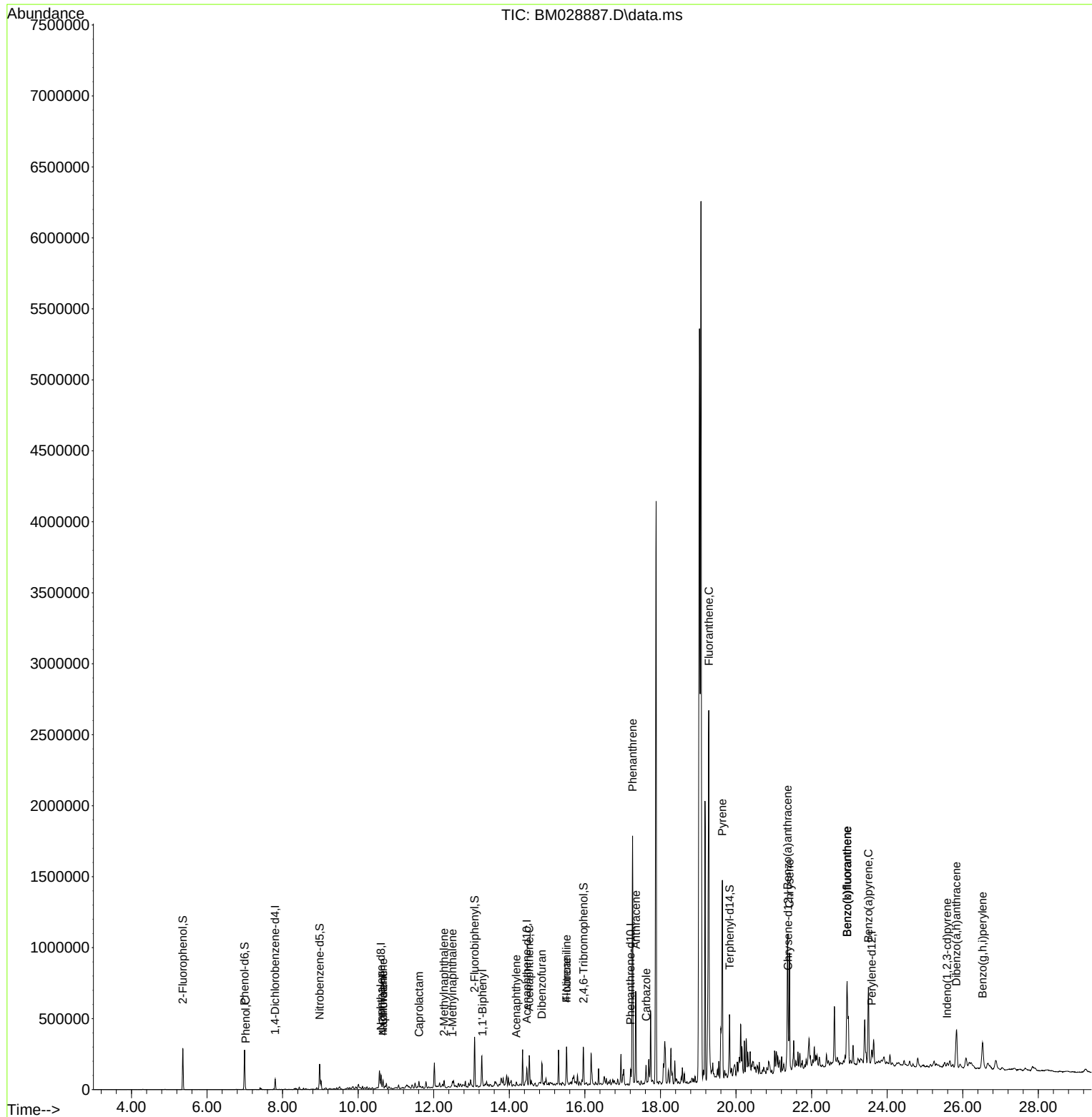
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	19789	20.00	ng	0.00
21) Naphthalene-d8	10.604	136	74503	20.00	ng	#-0.01
39) Acenaphthene-d10	14.463	164	36301	20.00	ng	-0.01
64) Phenanthrene-d10	17.210	188	63439	20.00	ng	0.00
76) Chrysene-d12	21.380	240	65972	20.00	ng	# 0.00
86) Perylene-d12	23.591	264	68930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	118910	99.60	ng	0.00
7) Phenol-d6	6.993	99	144350	91.54	ng	0.00
23) Nitrobenzene-d5	8.981	82	87966	63.70	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	34586	80.39	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	170722	62.61	ng	0.00
79) Terphenyl-d14	19.827	244	172468	48.27	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.022	94	3608	2.30	ng	98
31) Naphthalene	10.657	128	38602	9.40	ng	99
33) 4-Chloroaniline	10.657	127	5081	3.08	ng	# 38
35) Caprolactam	11.610	113	1522	4.57	ng	# 1
37) 2-Methylnaphthalene	12.275	142	23480	8.12	ng	98
38) 1-Methylnaphthalene	12.498	142	17387	6.35	ng	98
46) 1,1'-Biphenyl	13.292	154	8713	2.99	ng	97
49) Acenaphthylene	14.186	152	14601	4.00	ng	# 93
52) Acenaphthene	14.527	154	72607	32.44	ng	99
55) Dibenzofuran	14.863	168	78957	22.47	ng	96
58) Fluorene	15.516	166	114088	40.50	ng	98
62) 4-Nitroaniline	15.516	138	1460	2.42	ng	# 17
71) Phenanthrene	17.262	178	1045201	276.68	ng	100
72) Anthracene	17.351	178	393388	105.12	ng	98
73) Carbazole	17.621	167	75336	20.98	ng	98
75) Fluoranthene	19.280	202	1168684	281.52	ng	97
78) Pyrene	19.639	202	866688	178.83	ng	99
81) Benzo(a)anthracene	21.362	228	491427	107.34	ng	99
83) Chrysene	21.415	228	411878	92.32	ng	97
87) Indeno(1,2,3-cd)pyrene	25.585	276	23687	4.55	ng	98
88) Benzo(b)fluoranthene	22.939	252	500818	102.85	ng	# 95
89) Benzo(k)fluoranthene	22.939	252	500818	108.28	ng	# 95
90) Benzo(a)pyrene	23.503	252	359332	80.87	ng	# 95
91) Dibenzo(a,h)anthracene	25.833	278	62775	13.89	ng	# 84
92) Benzo(g,h,i)perylene	26.527	276	196856	45.10	ng	# 91

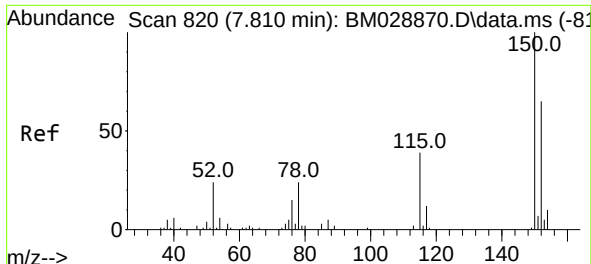
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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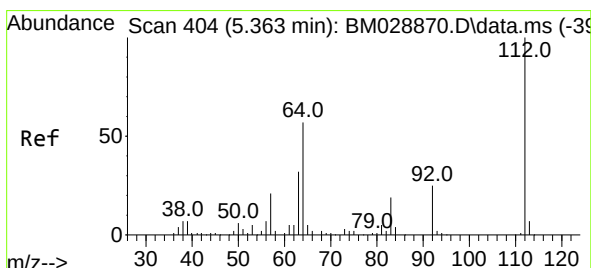
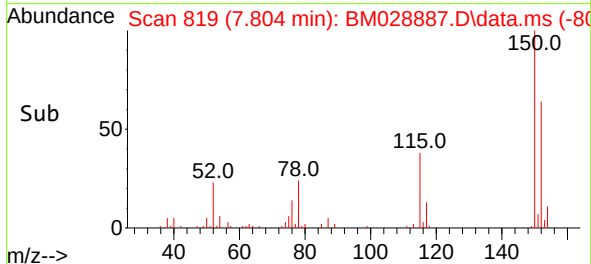
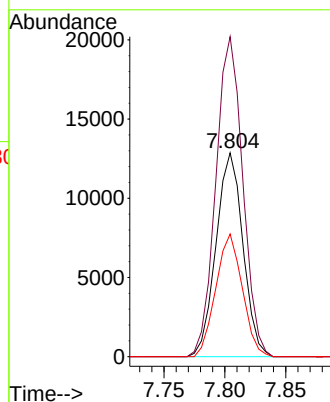
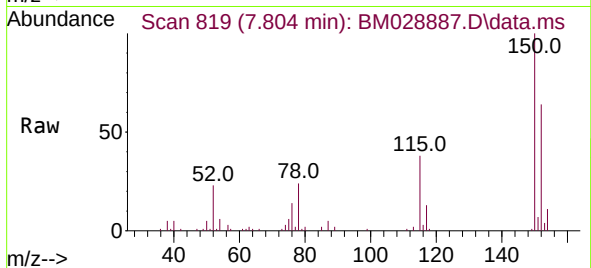




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.804 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

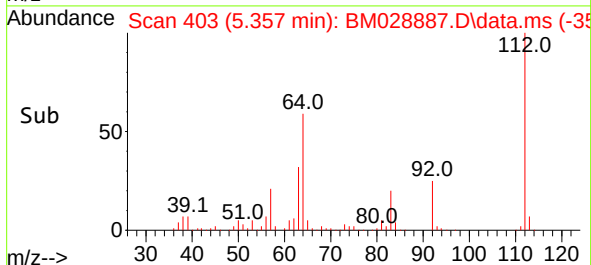
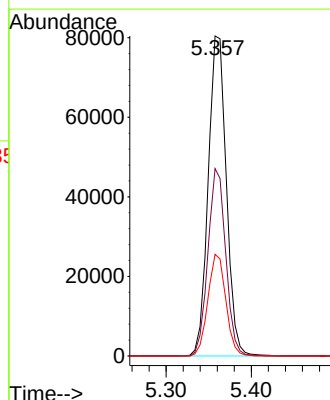
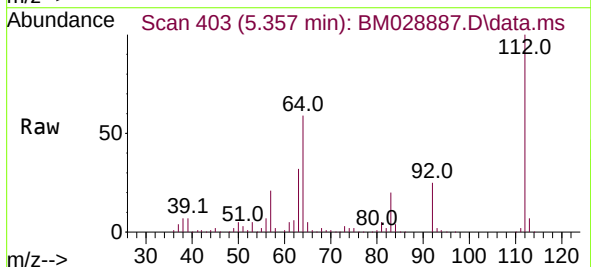
Instrument :
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ClientSampleId :
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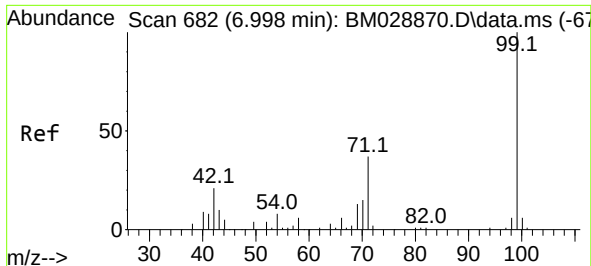
Tgt Ion:152 Resp: 19789
Ion Ratio Lower Upper
152 100
150 157.0 120.6 181.0
115 60.2 47.2 70.8



#5
2-Fluorophenol
Concen: 99.60 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:112 Resp: 118910
Ion Ratio Lower Upper
112 100
64 58.6 50.6 76.0
63 31.7 31.0 46.6

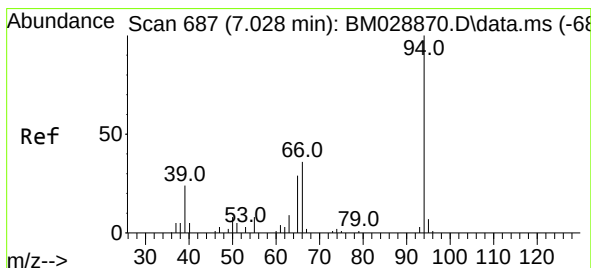
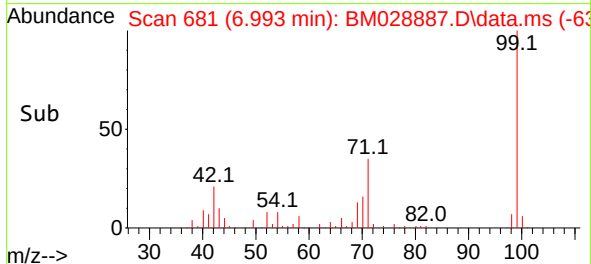
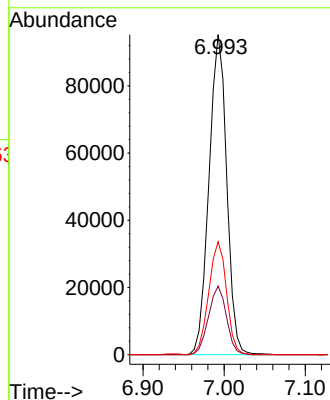
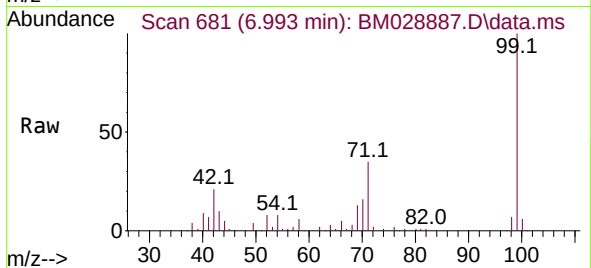




#7
Phenol-d6
Concen: 91.54 ng
RT: 6.993 min Scan# 681
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

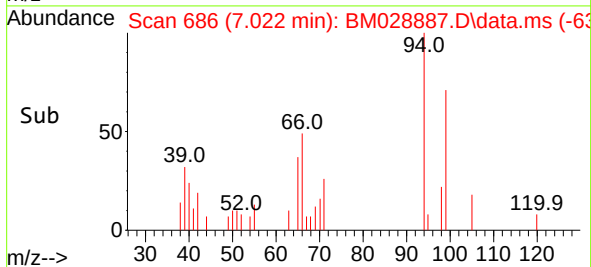
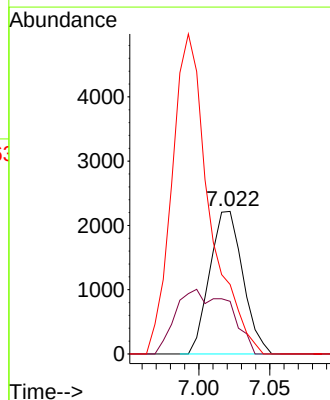
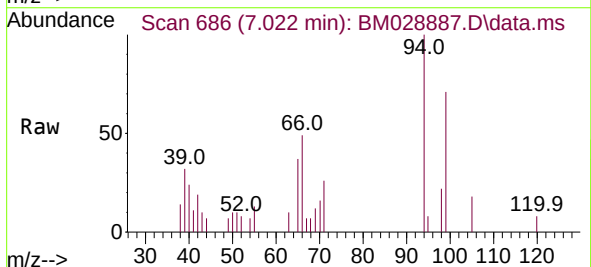
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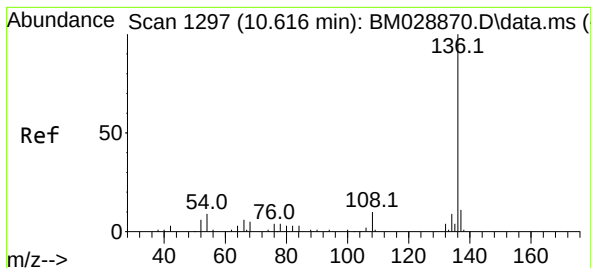
Tgt Ion: 99 Resp: 144350
Ion Ratio Lower Upper
99 100
42 21.5 13.5 20.3#
71 35.3 39.4 59.0#



#10
Phenol
Concen: 2.30 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion: 94 Resp: 3608
Ion Ratio Lower Upper
94 100
65 37.0 16.4 56.4
66 48.8 30.2 70.2

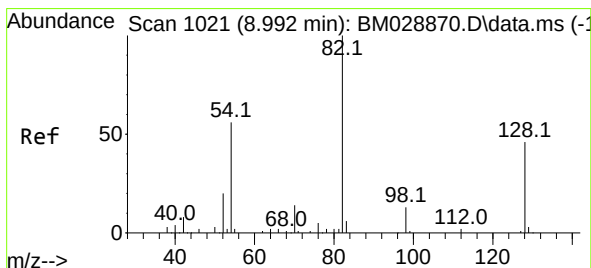
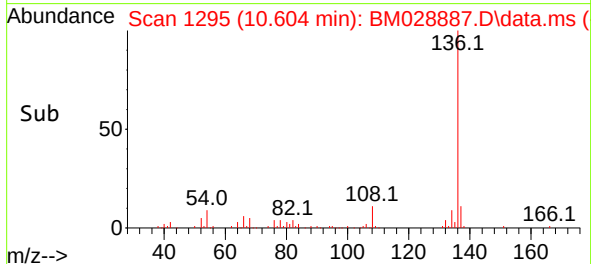
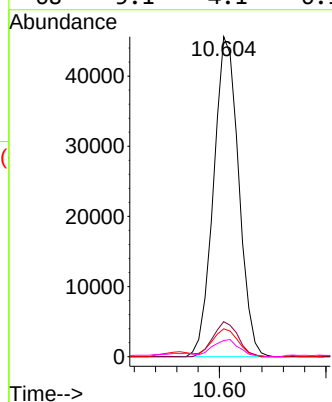
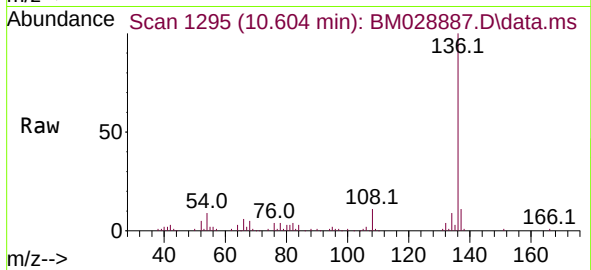




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

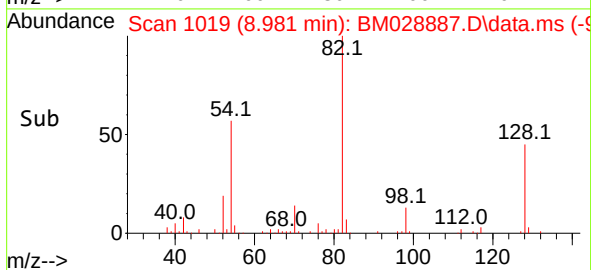
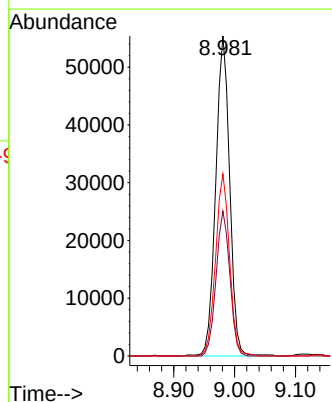
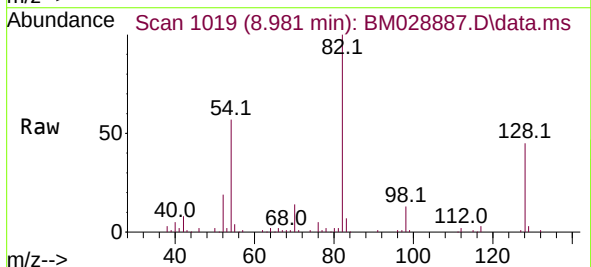
Instrument :
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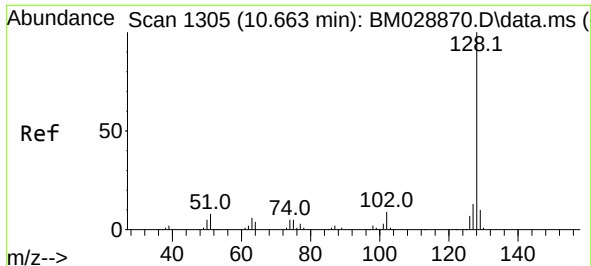
Tgt Ion:	136	Resp:	74503
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	12.8
54	8.7	4.6	7.0#
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 63.70 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BM028887.D
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Tgt Ion:	82	Resp:	87966
Ion Ratio	Lower	Upper	
82	100		
128	45.2	27.4	41.0#
54	56.9	31.4	47.0#

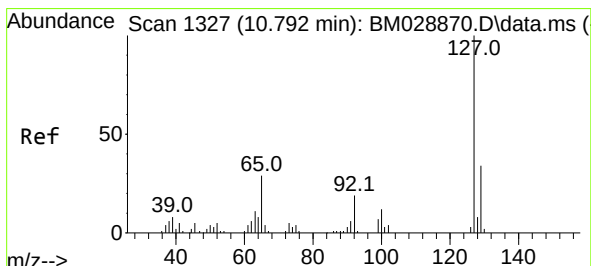
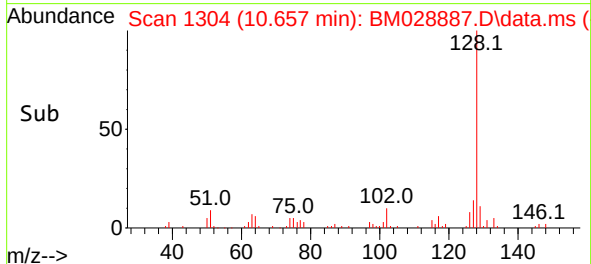
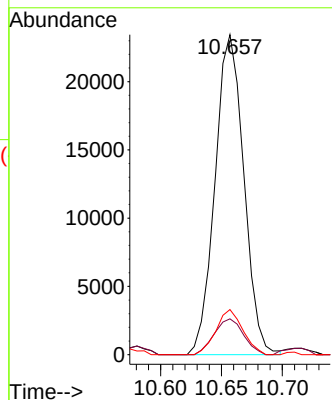
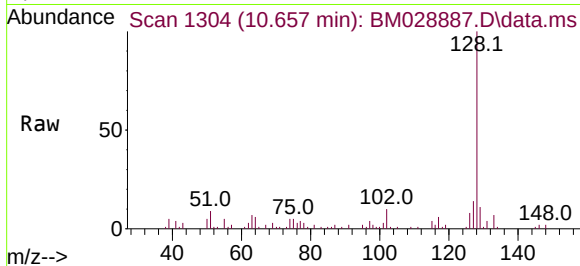




#31
Naphthalene
Concen: 9.40 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

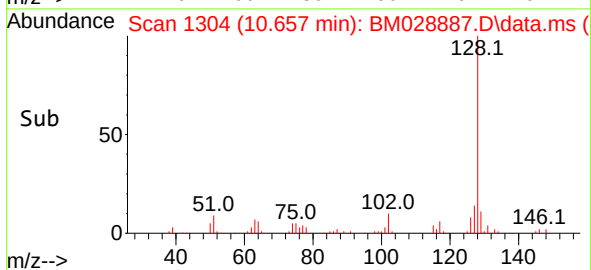
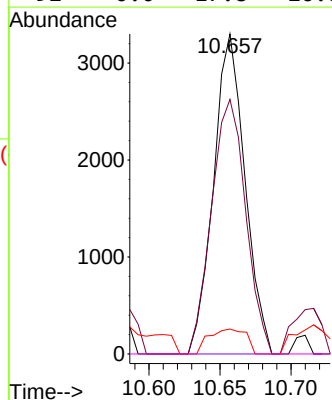
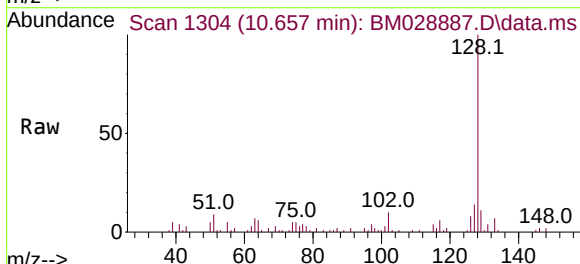
Instrument :
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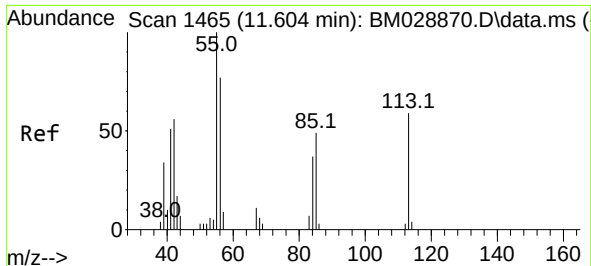
Tgt Ion:	128	Resp:	38602
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	14.1	10.6	15.8



#33
4-Chloroaniline
Concen: 3.08 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.135 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:	127	Resp:	5081
Ion	Ratio	Lower	Upper
127	100		
129	79.5	24.7	37.1#
65	7.8	30.2	45.4#
92	0.0	17.8	26.8#

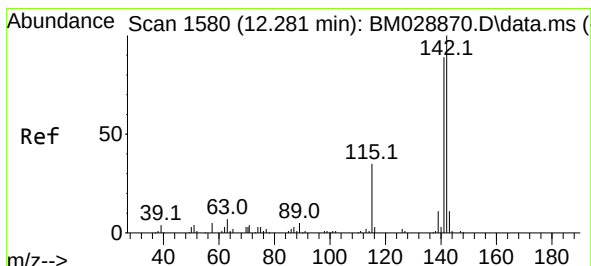
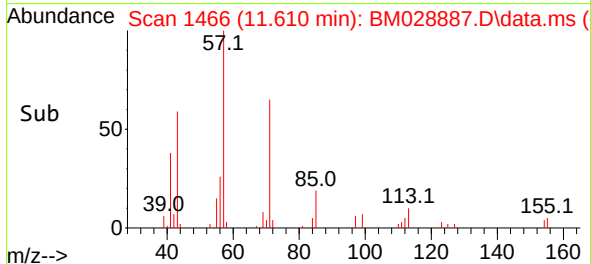
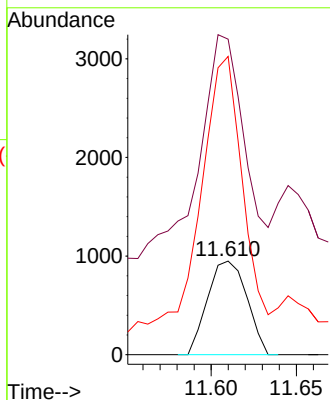
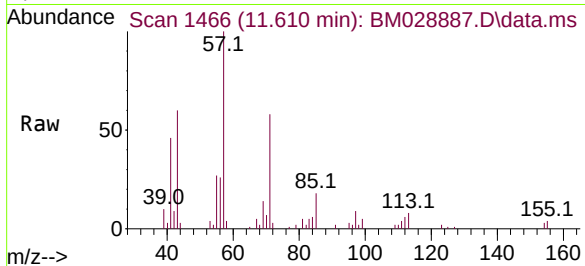




#35
Caprolactam
Concen: 4.57 ng
RT: 11.610 min Scan# 1466
Delta R.T. 0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

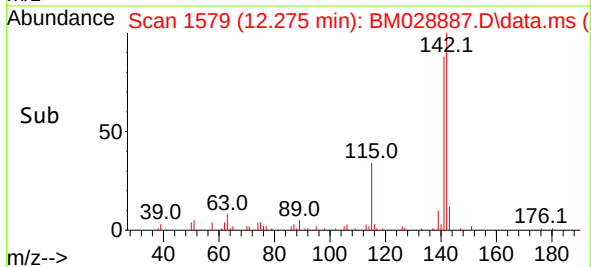
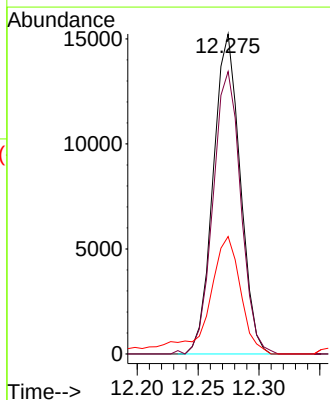
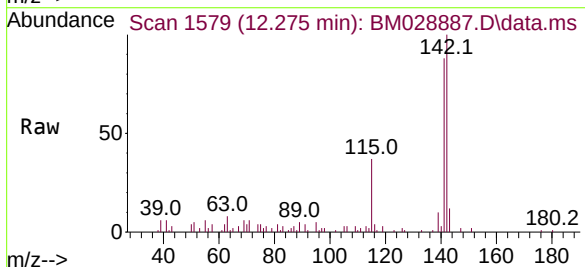
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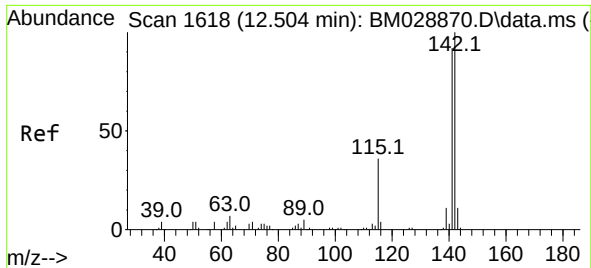
Tgt Ion:113 Resp: 1522
Ion Ratio Lower Upper
113 100
55 337.2 103.2 143.2#
56 318.8 84.2 124.2#



#37
2-Methylnaphthalene
Concen: 8.12 ng
RT: 12.275 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:142 Resp: 23480
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5
115 36.7 32.2 48.4

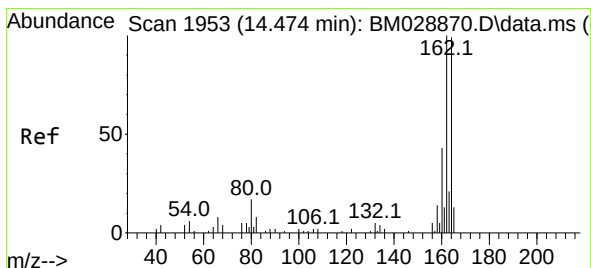
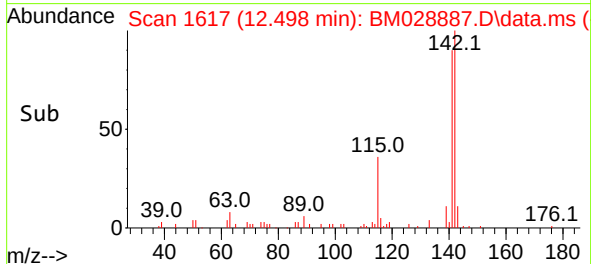
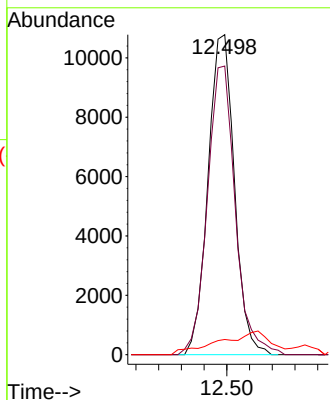
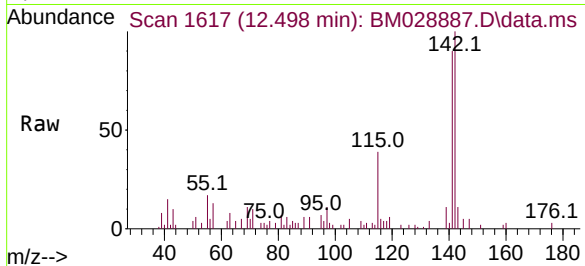




#38
1-Methylnaphthalene
Concen: 6.35 ng
RT: 12.498 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

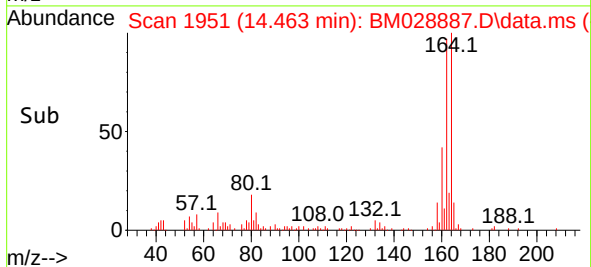
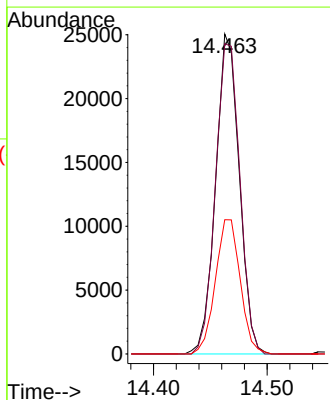
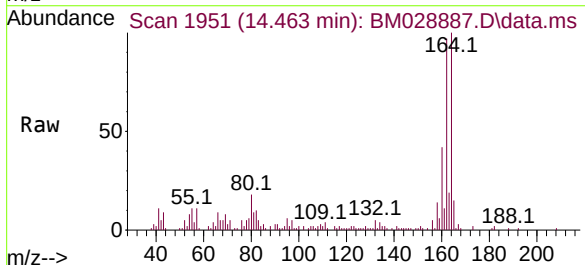
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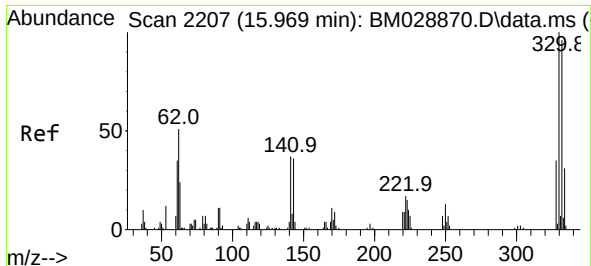
Tgt Ion:142 Resp: 17387
Ion Ratio Lower Upper
142 100
141 90.2 73.8 110.6
116 4.7 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:164 Resp: 36301
Ion Ratio Lower Upper
164 100
162 96.9 80.4 120.6
160 41.9 35.9 53.9

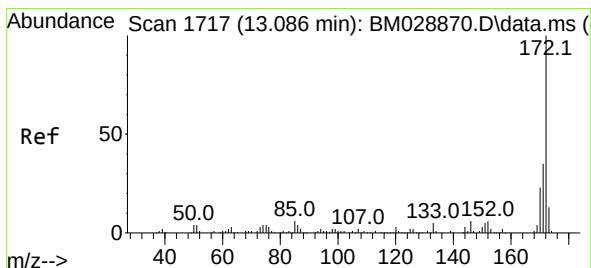
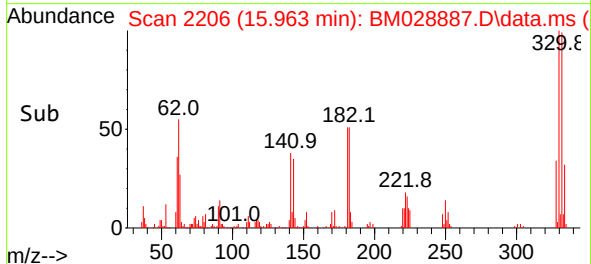
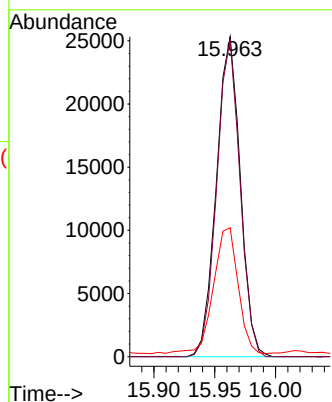
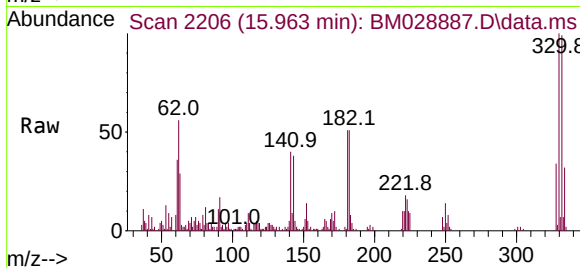




#42
2,4,6-Tribromophenol
Concen: 80.39 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

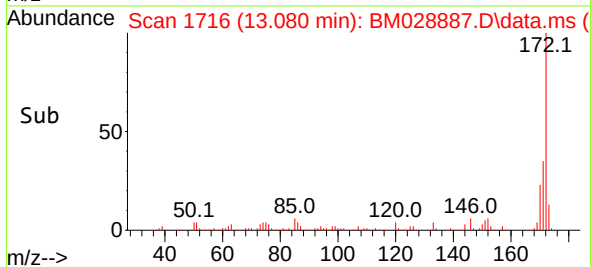
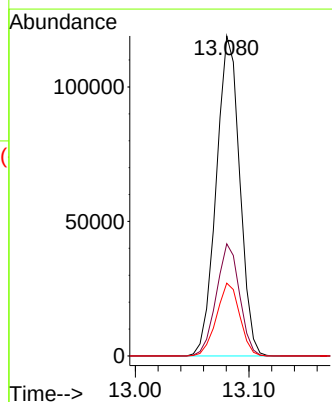
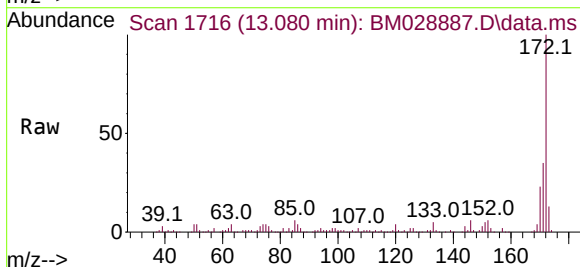
Instrument :
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ClientSampled :
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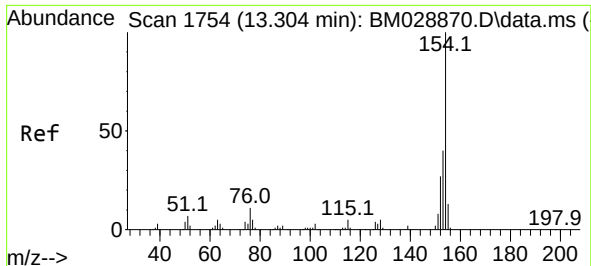
Tgt Ion:330 Resp: 34586
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 40.7 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 62.61 ng
RT: 13.080 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:172 Resp: 170722
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 22.7 18.6 27.8

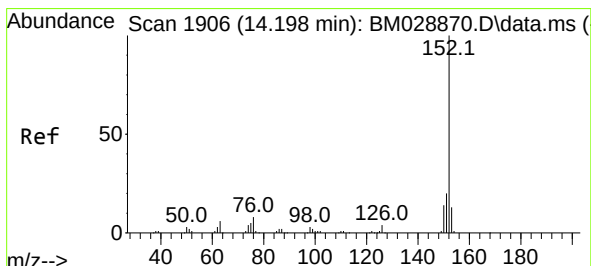
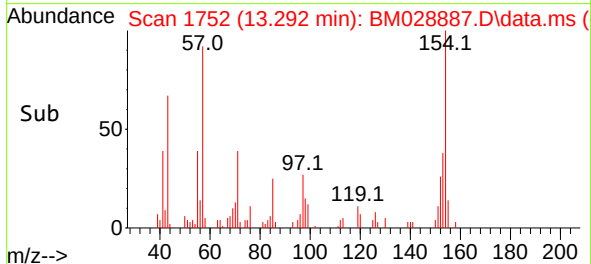
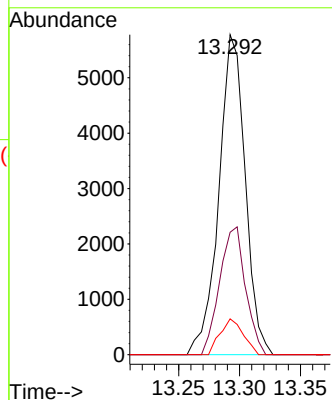
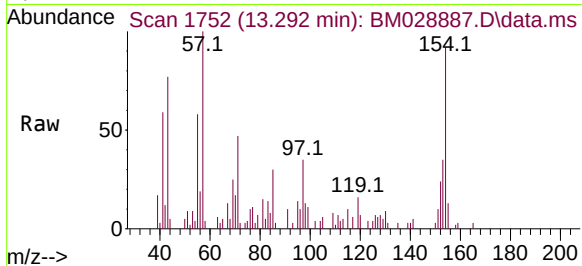




#46
1,1'-Biphenyl
Concen: 2.99 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

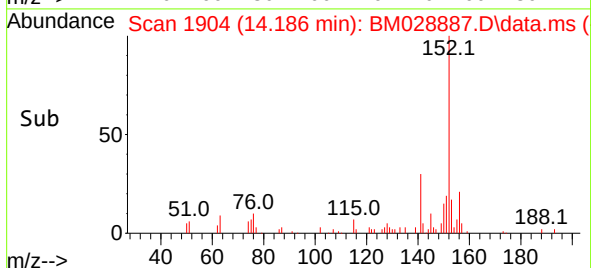
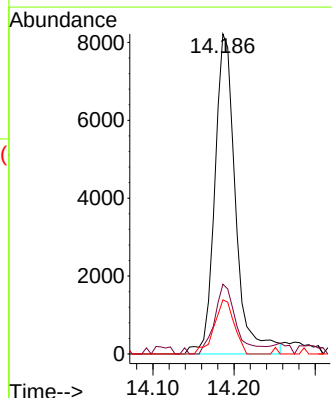
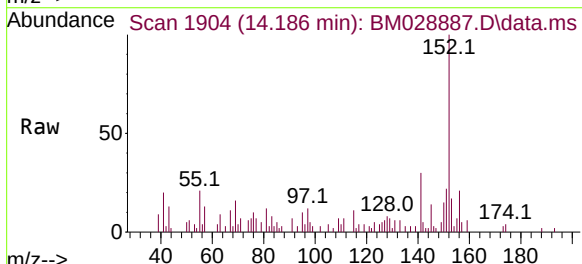
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

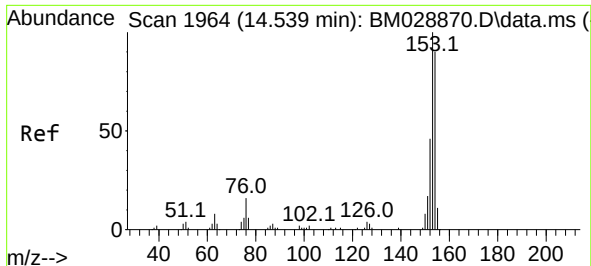
Tgt Ion:154 Resp: 8713
Ion Ratio Lower Upper
154 100
153 38.2 20.0 60.0
76 11.2 0.0 32.0



#49
Acenaphthylene
Concen: 4.00 ng
RT: 14.186 min Scan# 1904
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:152 Resp: 14601
Ion Ratio Lower Upper
152 100
151 21.8 15.8 23.6
153 16.9 10.4 15.6#

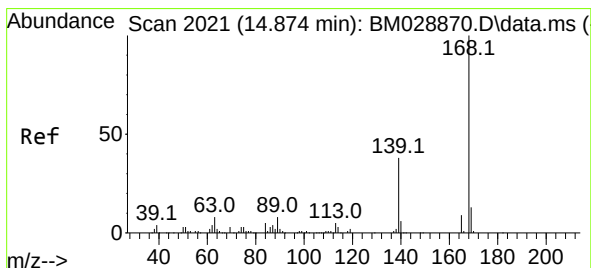
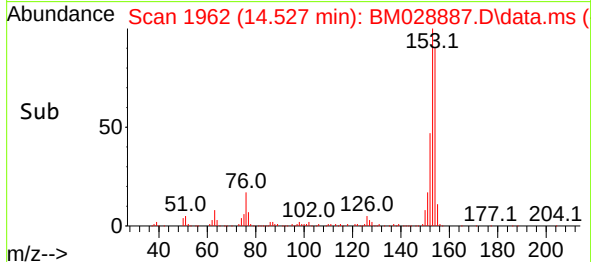
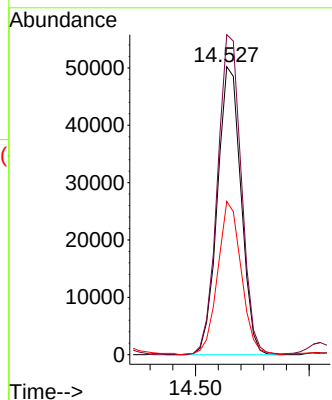
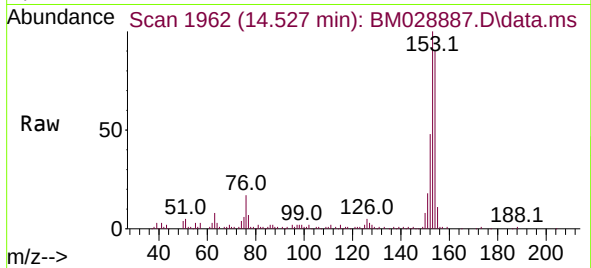




#52
Acenaphthene
Concen: 32.44 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

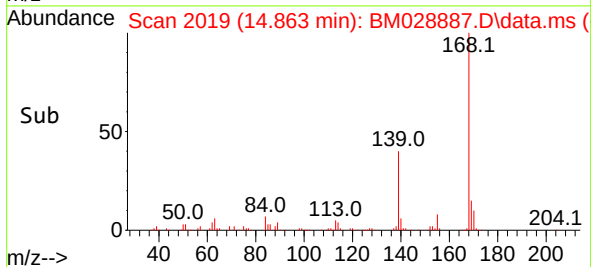
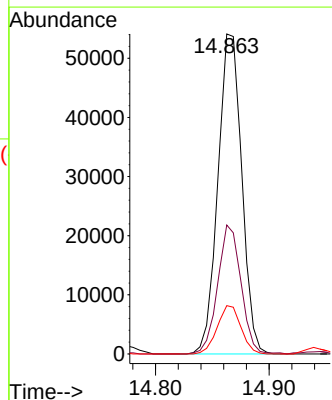
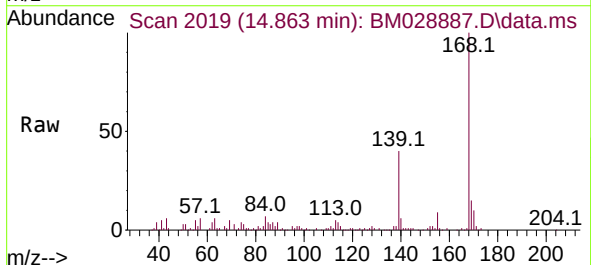
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

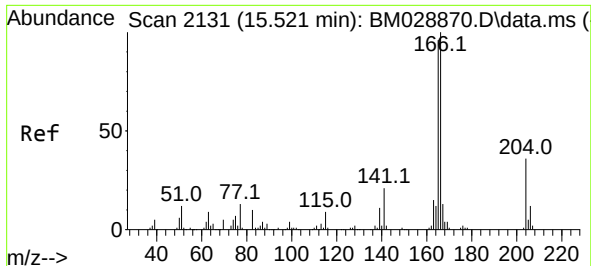
Tgt Ion:154 Resp: 72607
Ion Ratio Lower Upper
154 100
153 111.1 88.3 132.5
152 53.2 41.4 62.2



#55
Dibenzofuran
Concen: 22.47 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:168 Resp: 78957
Ion Ratio Lower Upper
168 100
139 40.3 30.2 45.4
169 15.1 10.6 16.0

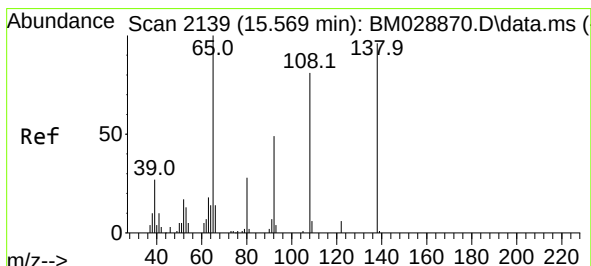
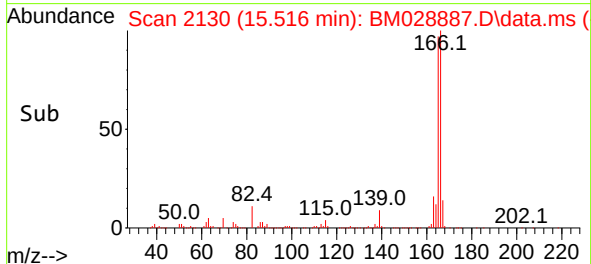
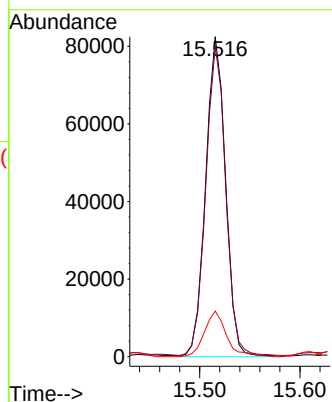
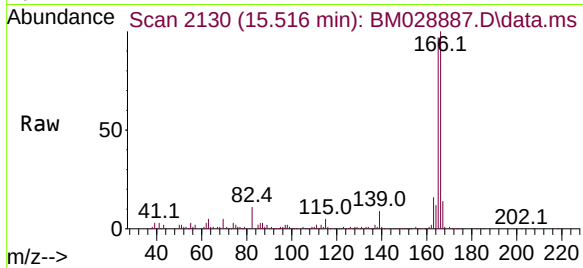




#58
Fluorene
Concen: 40.50 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

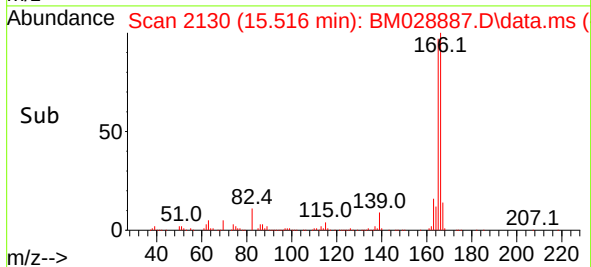
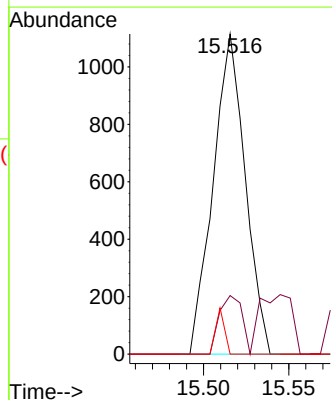
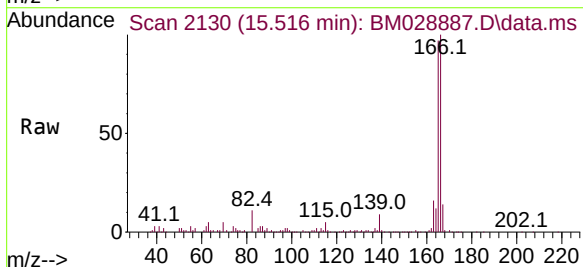
Instrument :
BNA_M
ClientSampled :
CL-01-022221

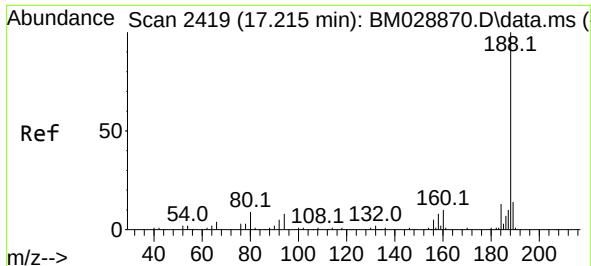
Tgt Ion:166 Resp: 114088
Ion Ratio Lower Upper
166 100
165 96.9 76.2 114.2
167 14.2 10.7 16.1



#62
4-Nitroaniline
Concen: 2.42 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.053 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:138 Resp: 1460
Ion Ratio Lower Upper
138 100
92 18.3 35.5 75.5#
108 0.0 80.5 120.5#

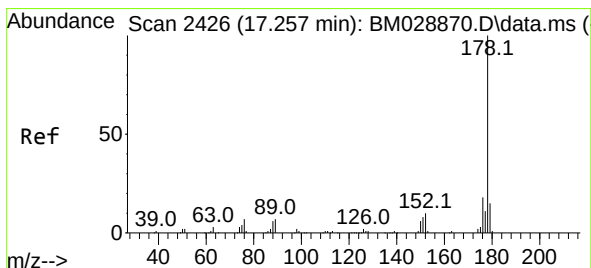
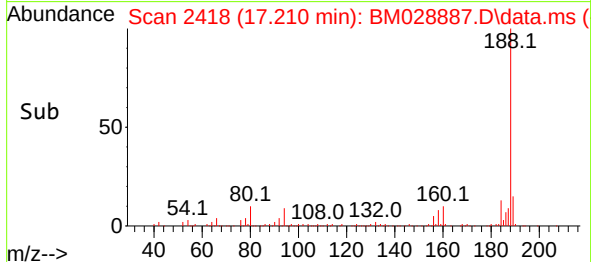
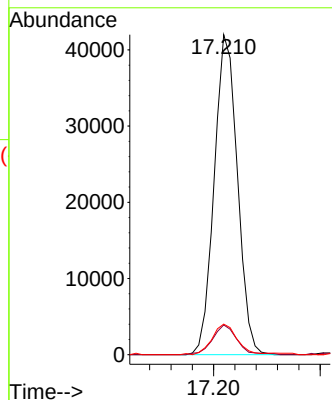
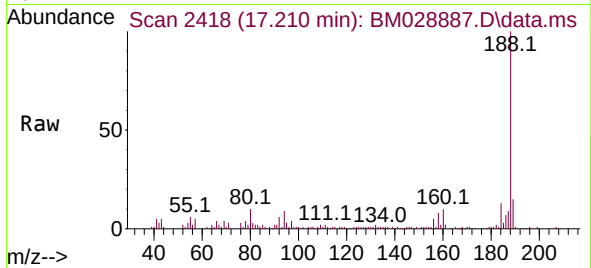




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

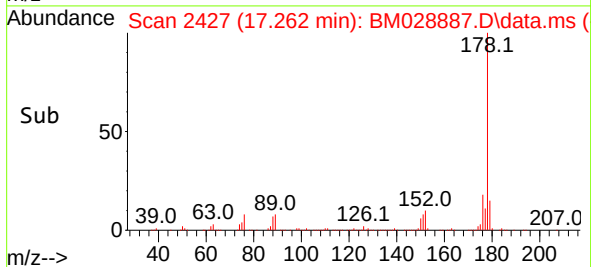
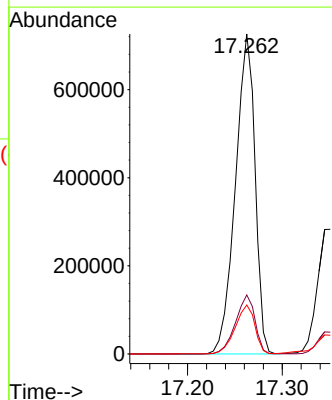
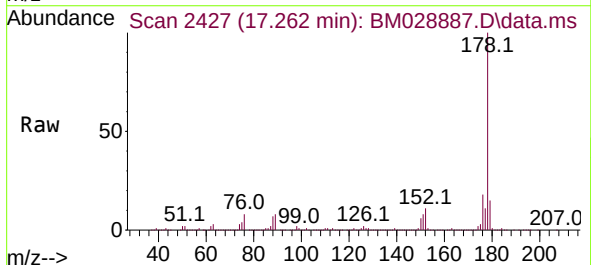
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

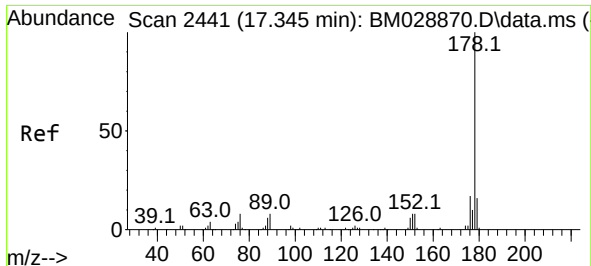
Tgt Ion:188 Resp: 63439
Ion Ratio Lower Upper
188 100
94 9.3 6.2 9.4
80 9.5 7.5 11.3



#71
Phenanthrene
Concen: 276.68 ng
RT: 17.262 min Scan# 2427
Delta R.T. 0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:178 Resp: 1045201
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.3 12.2 18.4

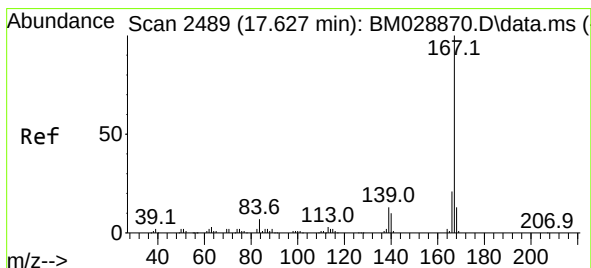
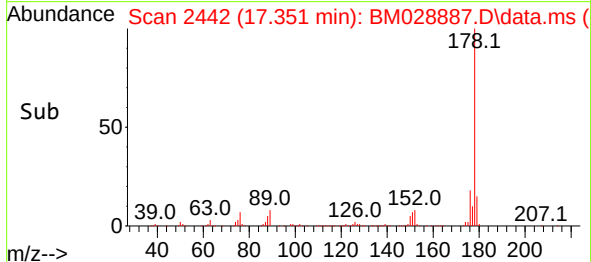
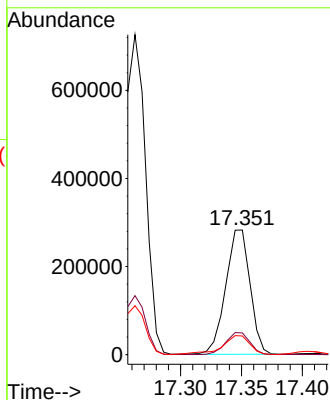
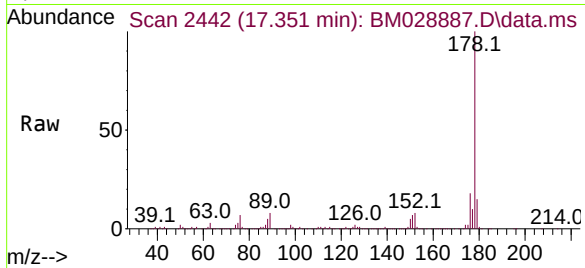




#72
 Anthracene
 Concen: 105.12 ng
 RT: 17.351 min Scan# 2442
 Delta R.T. 0.006 min
 Lab File: BM028887.D
 Acq: 24 Feb 2021 19:59

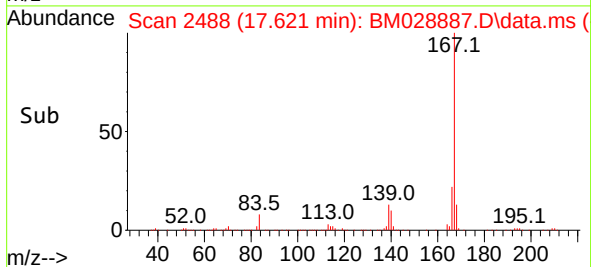
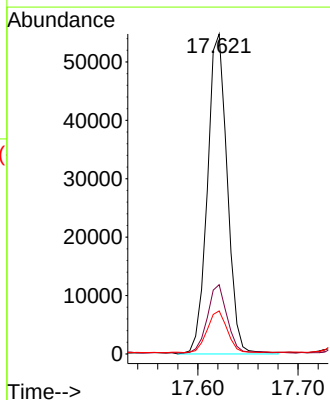
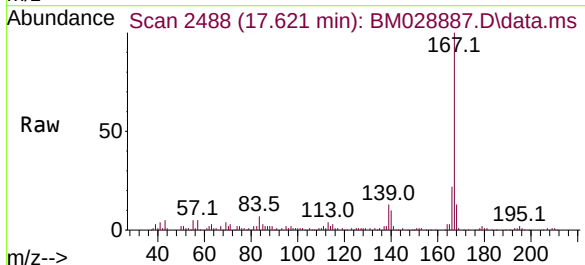
Instrument :
 BNA_M
 ClientSampleId :
 CL-01-022221

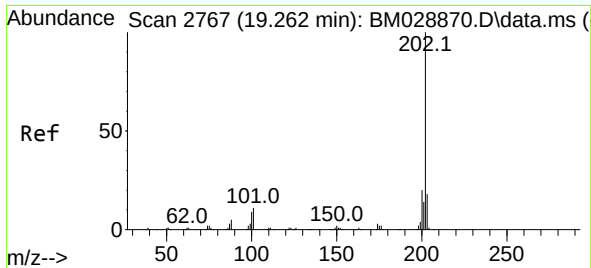
Tgt Ion:178 Resp: 393388
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.4
 179 15.0 12.5 18.7



#73
 Carbazole
 Concen: 20.98 ng
 RT: 17.621 min Scan# 2488
 Delta R.T. -0.006 min
 Lab File: BM028887.D
 Acq: 24 Feb 2021 19:59

Tgt Ion:167 Resp: 75336
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.9 25.3
 139 13.4 9.9 14.9

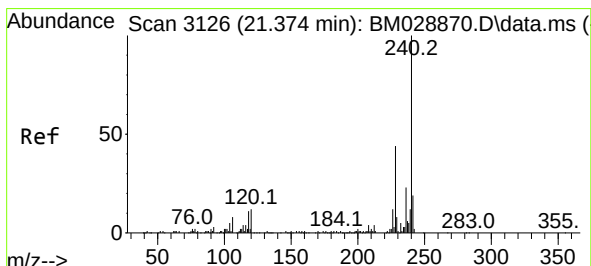
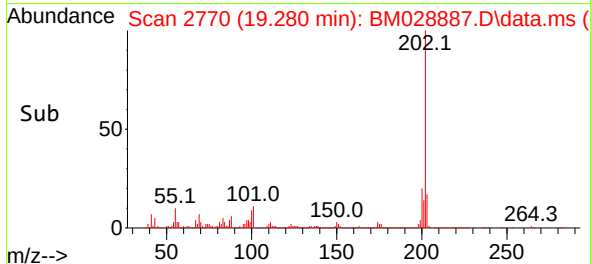
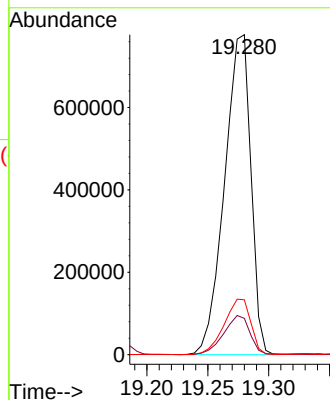
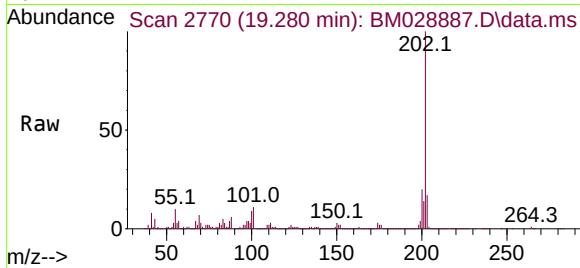




#75
Fluoranthene
Concen: 281.52 ng
RT: 19.280 min Scan# 2770
Delta R.T. 0.018 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

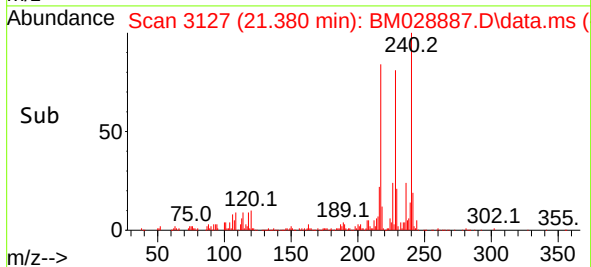
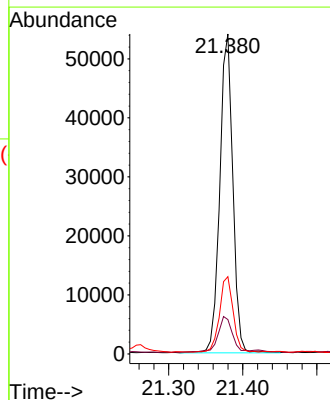
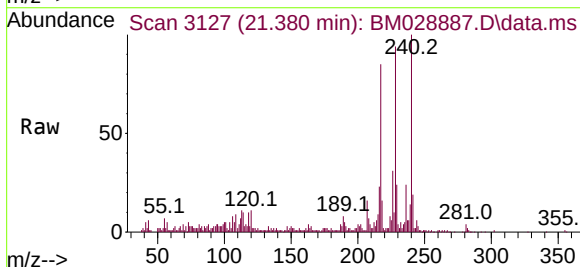
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

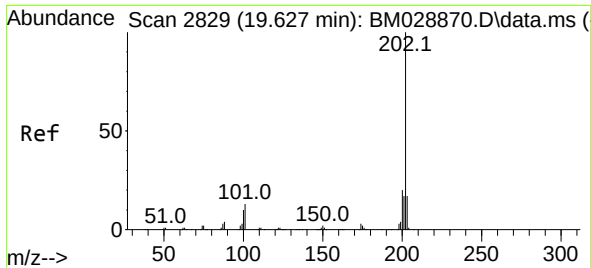
Tgt Ion:202 Resp: 1168684
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.380 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:240 Resp: 65972
Ion Ratio Lower Upper
240 100
120 10.7 6.4 9.6#
236 24.1 20.1 30.1

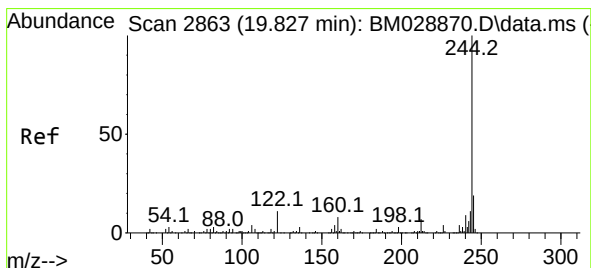
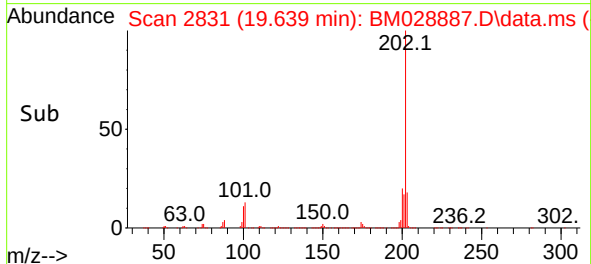
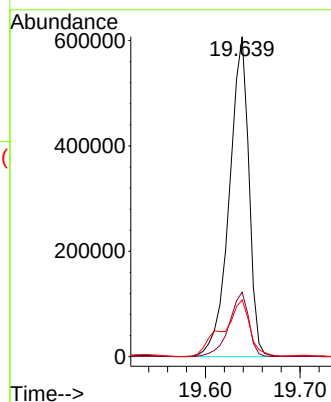
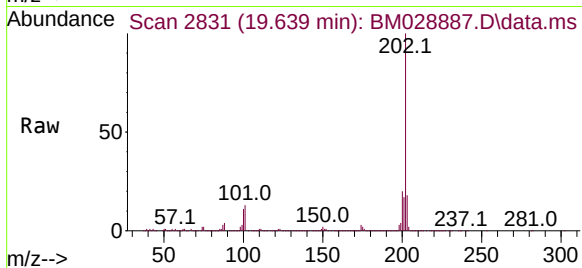




#78
Pyrene
Concen: 178.83 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

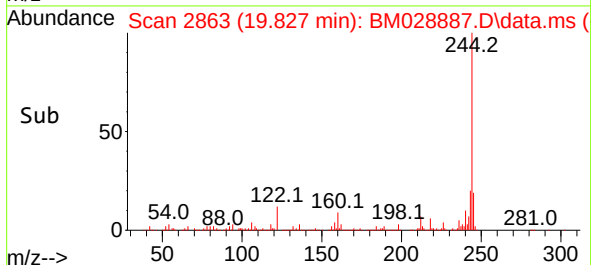
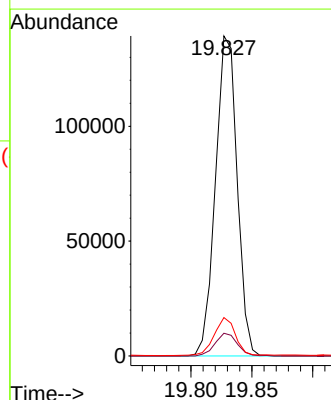
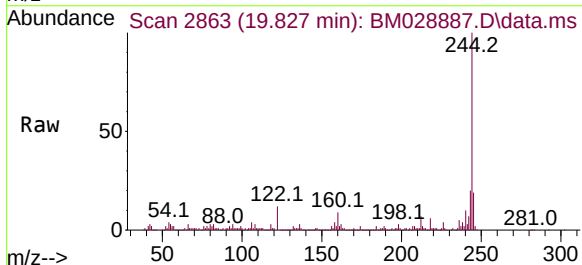
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

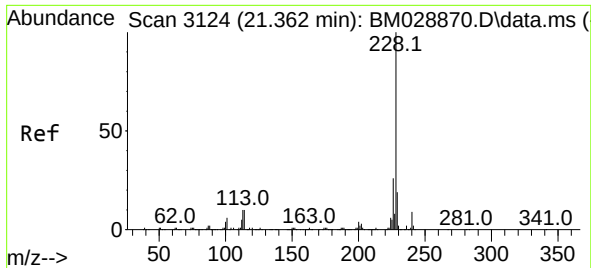
Tgt Ion:	202	Resp:	866688
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.6	24.8
203	17.8	13.8	20.6



#79
Terphenyl-d14
Concen: 48.27 ng
RT: 19.827 min Scan# 2863
Delta R.T. -0.000 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:	244	Resp:	172468
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	12.0	6.5	9.7#

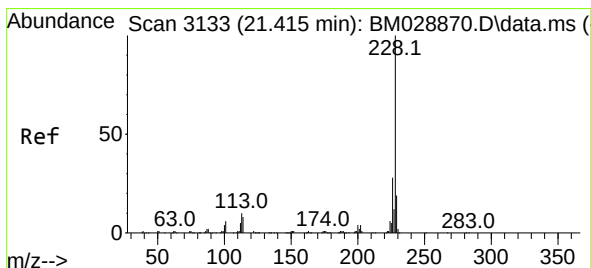
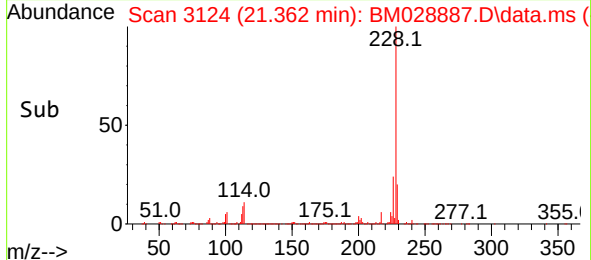
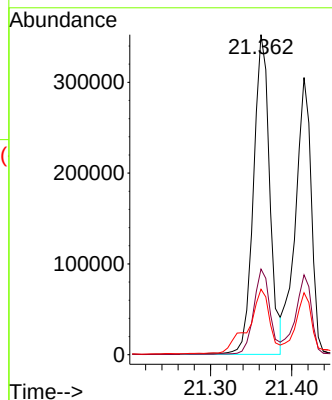
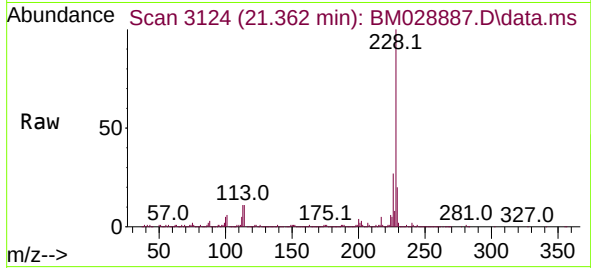




#81
Benzo(a)anthracene
Concen: 107.34 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

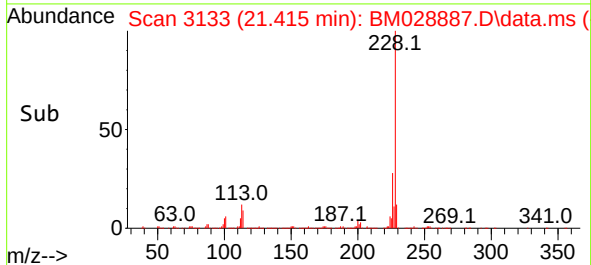
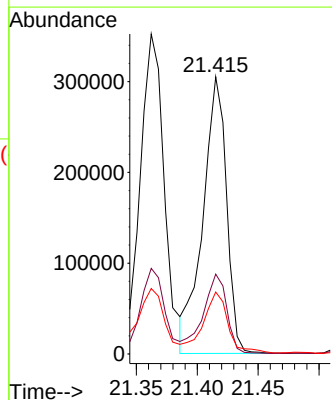
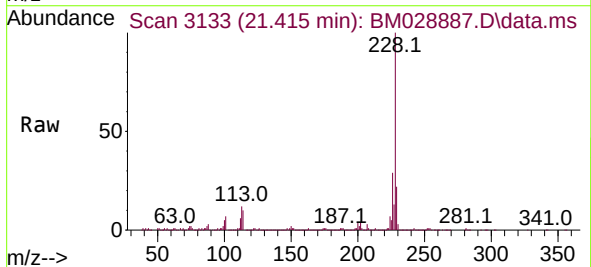
Instrument :
BNA_M
ClientSampled :
CL-01-022221

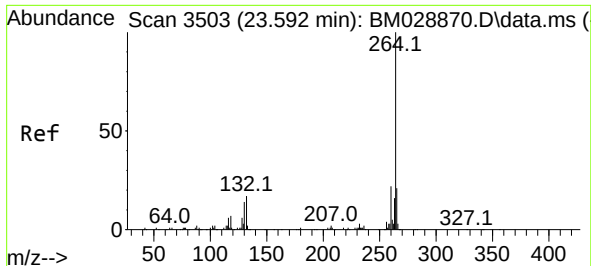
Tgt Ion:228 Resp: 491427
Ion Ratio Lower Upper
228 100
226 26.7 21.1 31.7
229 20.4 15.7 23.5



#83
Chrysene
Concen: 92.32 ng
RT: 21.415 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:228 Resp: 411878
Ion Ratio Lower Upper
228 100
226 28.8 23.4 35.0
229 22.4 15.7 23.5

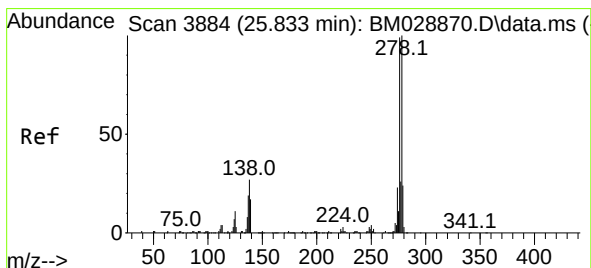
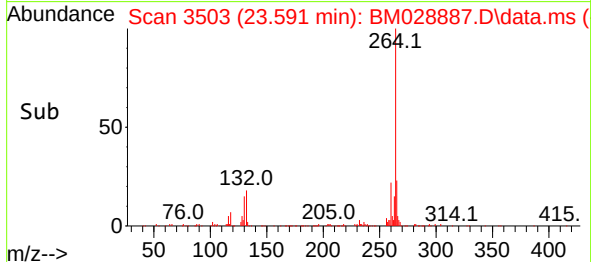
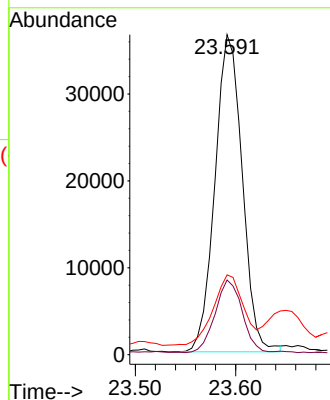
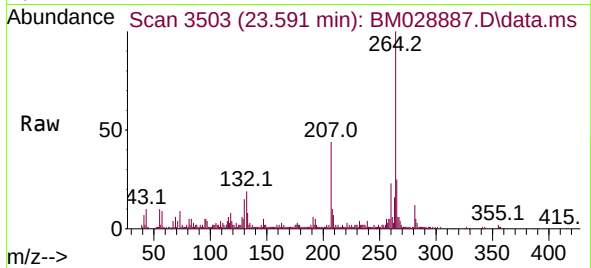




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.591 min Scan# 3503
Delta R.T. -0.000 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

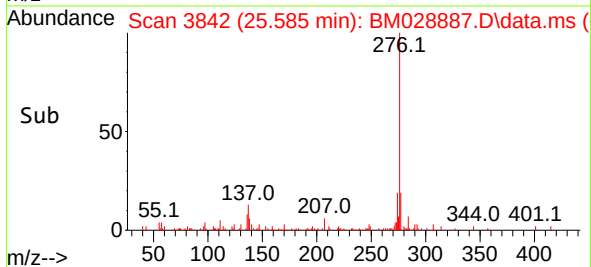
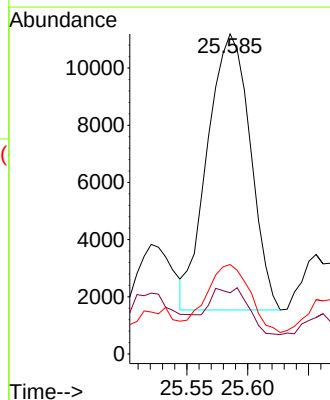
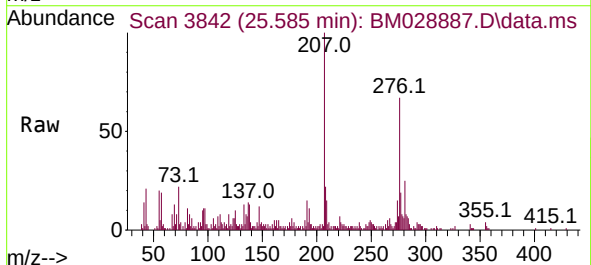
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

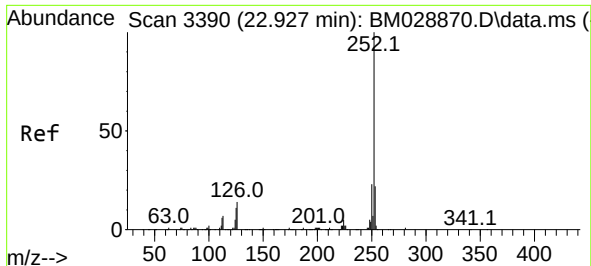
Tgt Ion:	264	Resp:	68930
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.4
265	25.0	17.7	26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.55 ng
RT: 25.585 min Scan# 3842
Delta R.T. -0.247 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:	276	Resp:	23687
Ion Ratio	Lower	Upper	
276	100		
138	15.5	14.2	21.4
277	24.9	19.8	29.8

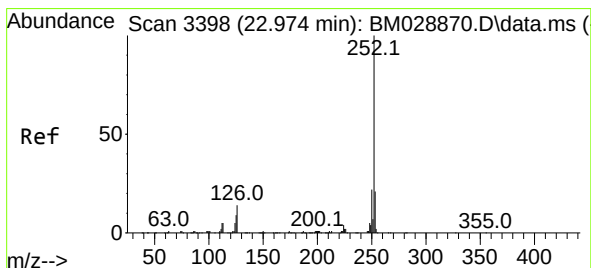
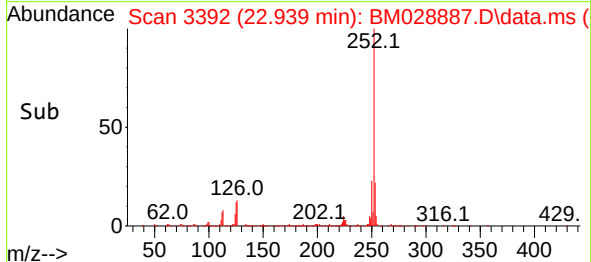
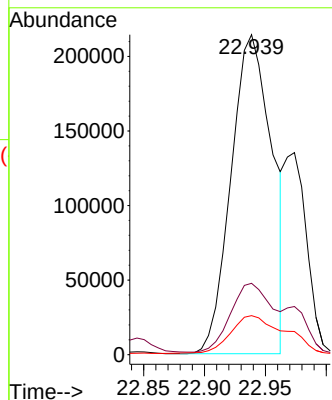
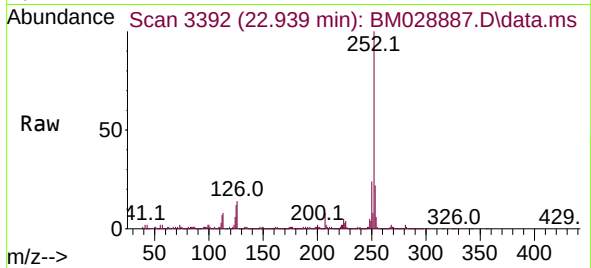




#88
Benzo(b)fluoranthene
Concen: 102.85 ng
RT: 22.939 min Scan# 3392
Delta R.T. 0.012 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

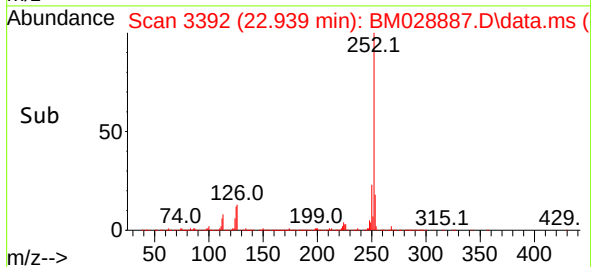
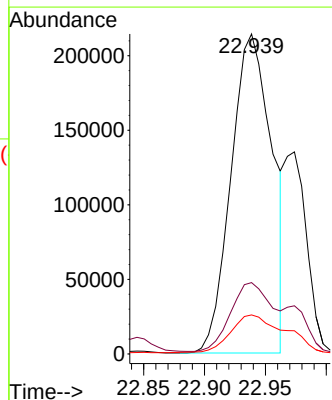
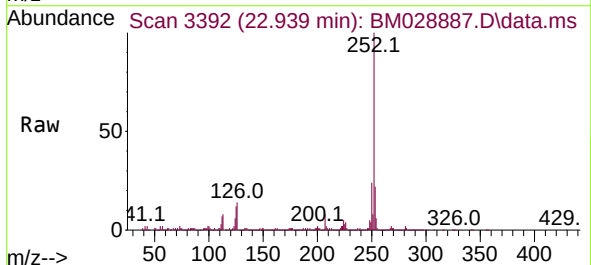
Instrument :
BNA_M
ClientSampled :
CL-01-022221

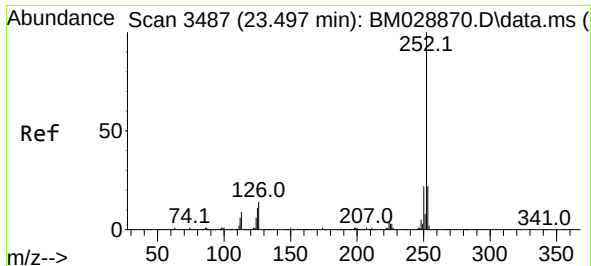
Tgt Ion:252 Resp: 500818
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.2 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 108.28 ng
RT: 22.939 min Scan# 3392
Delta R.T. -0.035 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:252 Resp: 500818
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.2 5.6 8.4#

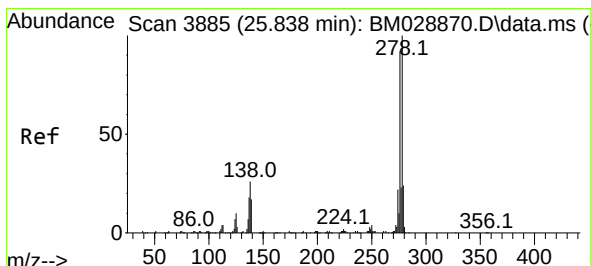
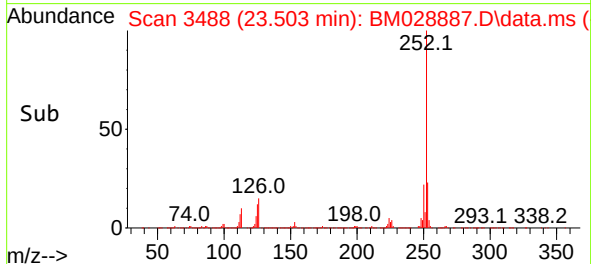
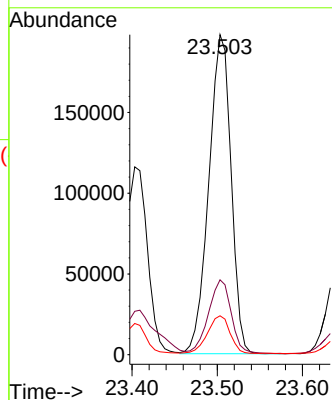
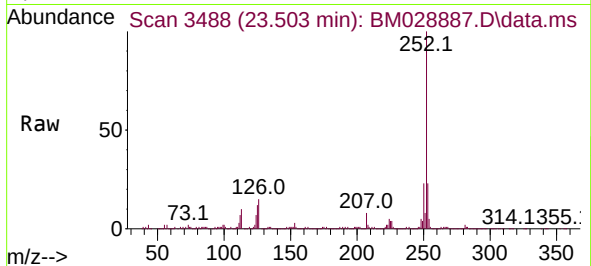




#90
Benzo(a)pyrene
Concen: 80.87 ng
RT: 23.503 min Scan# 3488
Delta R.T. 0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

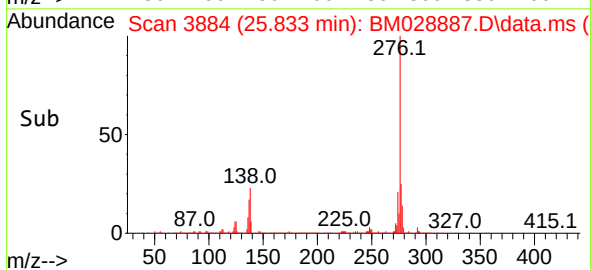
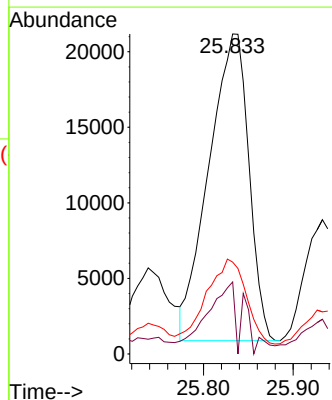
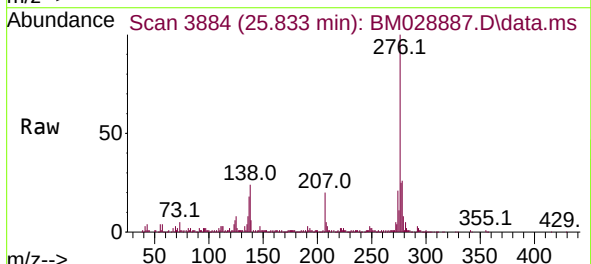
Instrument :
BNA_M
ClientSampleId :
CL-01-022221

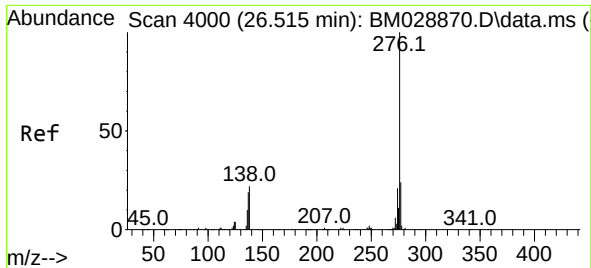
Tgt Ion:252 Resp: 359332
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 12.1 6.6 9.8#



#91
Dibenzo(a,h)anthracene
Concen: 13.89 ng
RT: 25.833 min Scan# 3884
Delta R.T. -0.006 min
Lab File: BM028887.D
Acq: 24 Feb 2021 19:59

Tgt Ion:278 Resp: 62775
Ion Ratio Lower Upper
278 100
139 22.5 9.0 13.6#
279 28.7 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 45.10 ng
 RT: 26.527 min Scan# 4002
 Delta R.T. 0.012 min
 Lab File: BM028887.D
 Acq: 24 Feb 2021 19:59

Instrument :
 BNA_M
 ClientSampleId :
 CL-01-022221

Tgt Ion:	276	Resp:	196856
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	28.0
138	23.7	12.2	18.2#

