

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
 Data File : BM029641.D
 Acq On : 24 Apr 2021 17:19
 Operator : CG/JU
 Sample : M2149-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-38-0-2.0

Quant Time: Apr 26 03:07:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 22 15:55:11 2021
 Response via : Initial Calibration

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

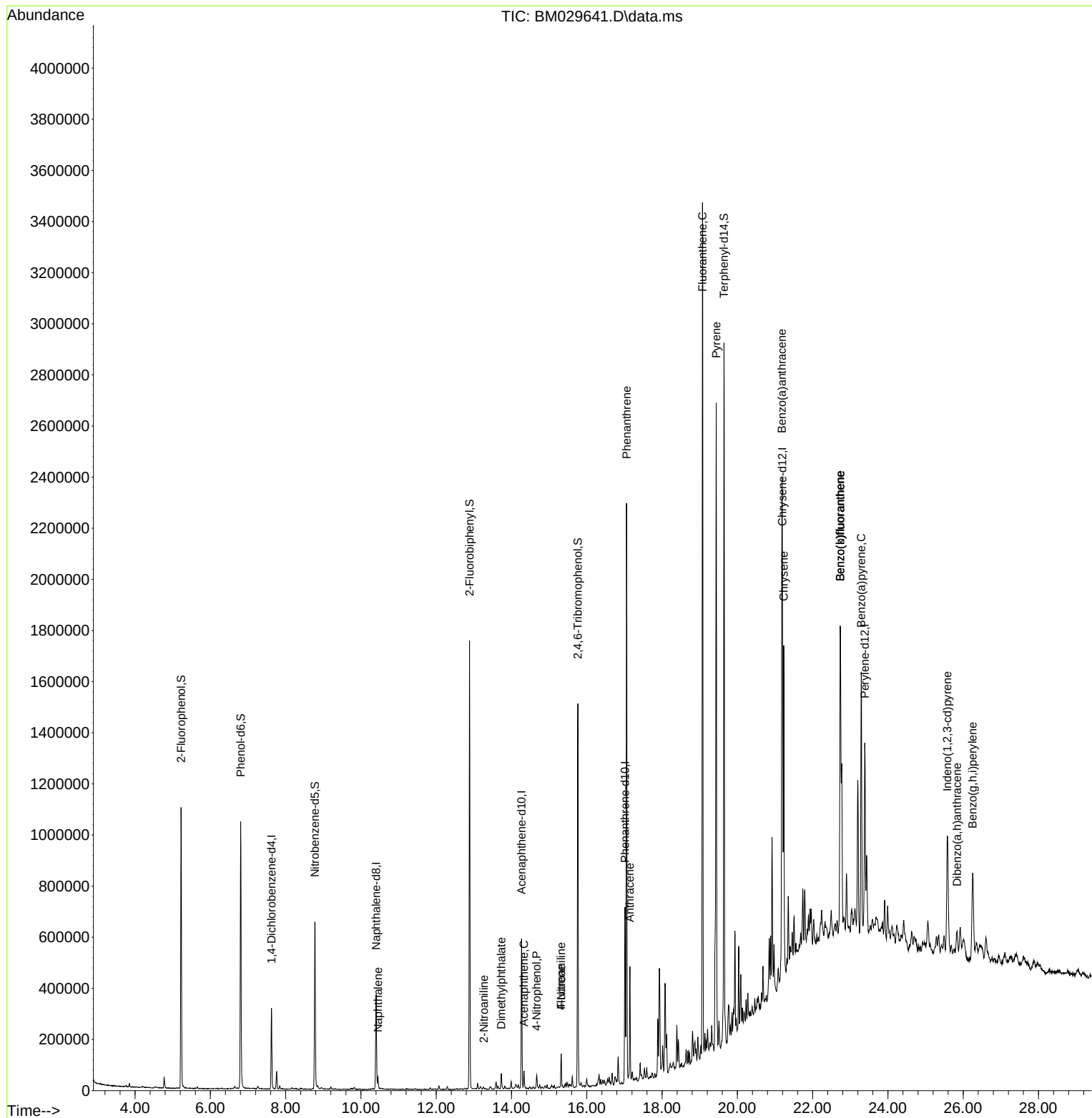
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	85081	20.00	ng	-0.01
21) Naphthalene-d8	10.404	136	296335	20.00	ng	-0.01
39) Acenaphthene-d10	14.268	164	190696	20.00	ng	-0.01
64) Phenanthrene-d10	17.015	188	417898	20.00	ng	0.00
76) Chrysene-d12	21.197	240	474329	20.00	ng	0.00
86) Perylene-d12	23.385	264	490154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.222	112	427129	100.65	ng	0.00
7) Phenol-d6	6.804	99	535440	84.47	ng	0.00
23) Nitrobenzene-d5	8.775	82	378340	65.76	ng	-0.01
42) 2,4,6-Tribromophenol	15.762	330	250144	94.85	ng	0.00
45) 2-Fluorobiphenyl	12.886	172	900346	64.08	ng	-0.01
79) Terphenyl-d14	19.645	244	1208500	48.30	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.451	128	34657	2.27	ng	97
48) 2-Nitroaniline	13.263	65	64	2.88	ng	# 4
50) Dimethylphthalate	13.733	163	37257	2.59	ng	98
52) Acenaphthene	14.333	154	22845	2.13	ng	94
56) 4-Nitrophenol	14.668	139	9495	4.05	ng	# 6
58) Fluorene	15.321	166	59087	3.89	ng	97
62) 4-Nitroaniline	15.315	138	589	3.63	ng	# 10
71) Phenanthrene	17.056	178	1305210	54.24	ng	99
72) Anthracene	17.145	178	277203	11.68	ng	98
75) Fluoranthene	19.074	202	1994479	68.35	ng	99
78) Pyrene	19.439	202	1491125	48.86	ng	99
81) Benzo(a)anthracene	21.186	228	842536	26.85	ng	98
83) Chrysene	21.233	228	664008	21.53	ng	98
87) Indeno(1,2,3-cd)pyrene	25.579	276	435882	11.50	ng	96
88) Benzo(b)fluoranthene	22.733	252	933678	29.21	ng	97
89) Benzo(k)fluoranthene	22.733	252	933678	29.14	ng	97
90) Benzo(a)pyrene	23.291	252	663308	22.10	ng	98
91) Dibenzo(a,h)anthracene	25.838	278	94657	2.90	ng	95
92) Benzo(g,h,i)perylene	26.250	276	402872	13.33	ng	99

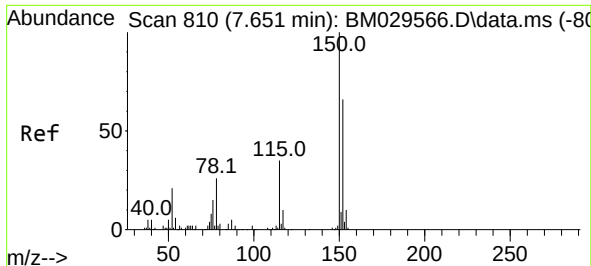
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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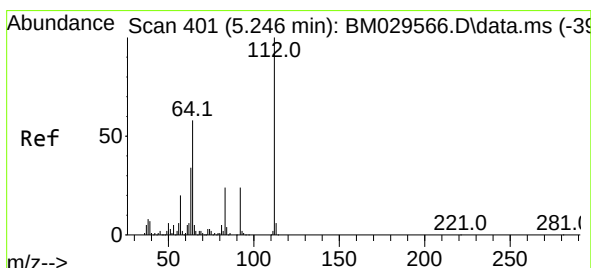
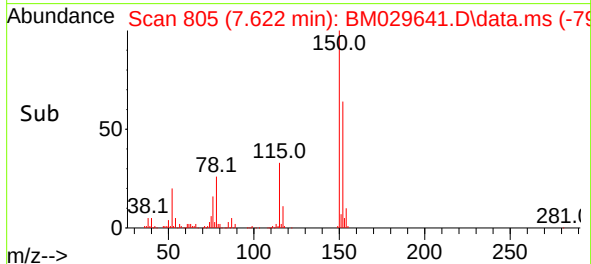
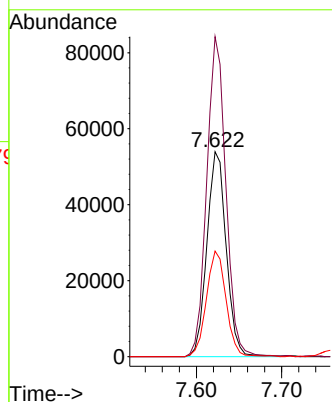
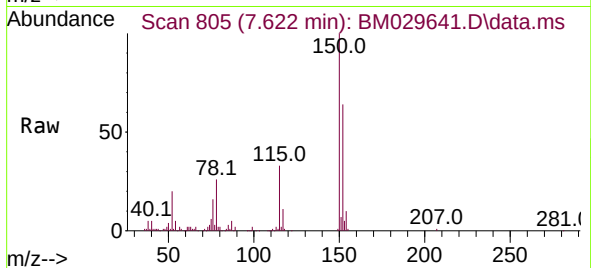




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

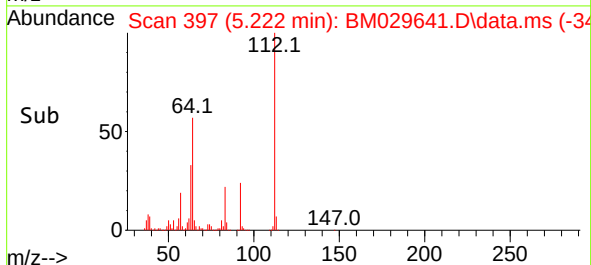
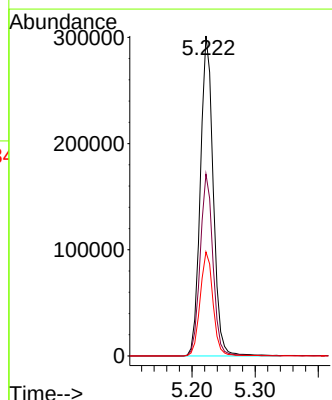
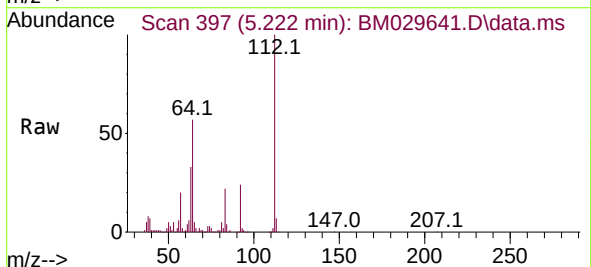
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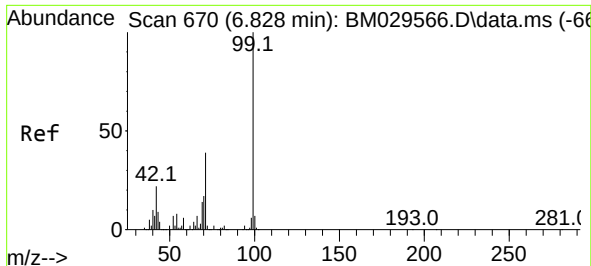
Tgt Ion:152 Resp: 85081
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 51.5 44.6 67.0



#5
2-Fluorophenol
Concen: 100.65 ng
RT: 5.222 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:112 Resp: 427129
Ion Ratio Lower Upper
112 100
64 56.8 47.1 70.7
63 32.5 27.3 40.9

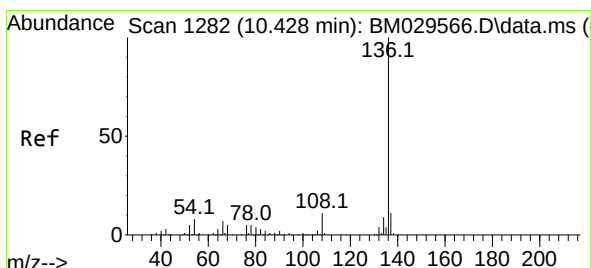
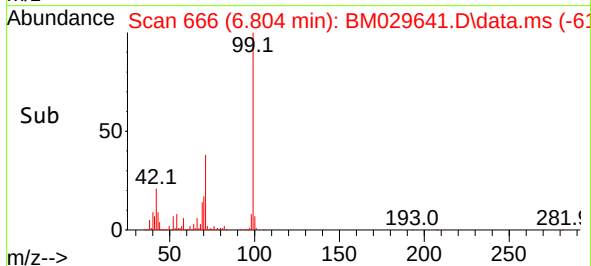
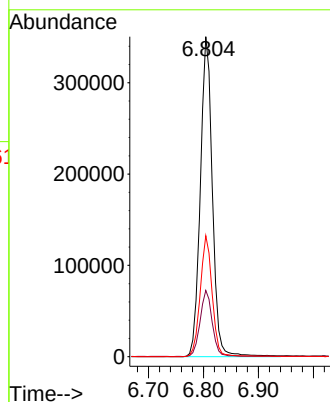
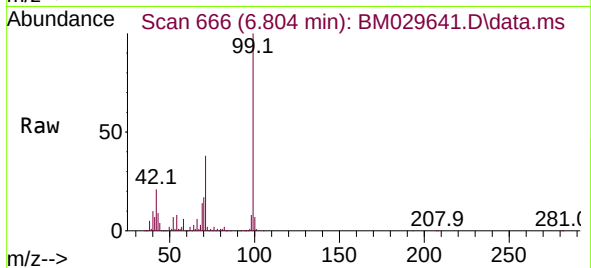




#7
Phenol-d6
Concen: 84.47 ng
RT: 6.804 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

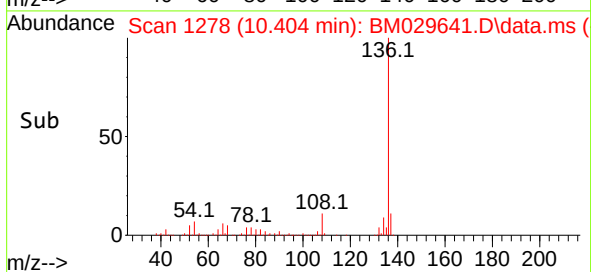
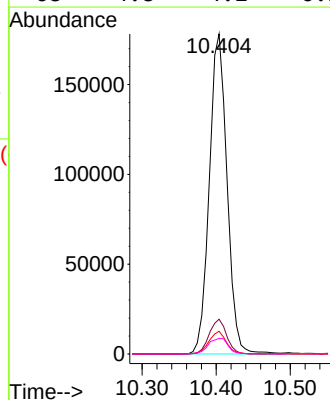
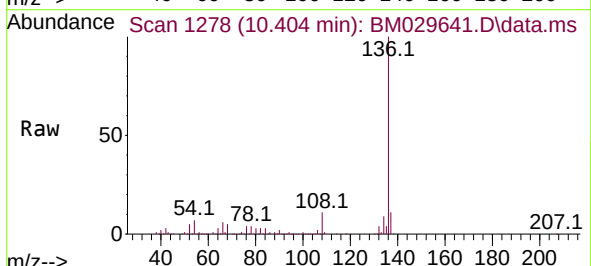
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

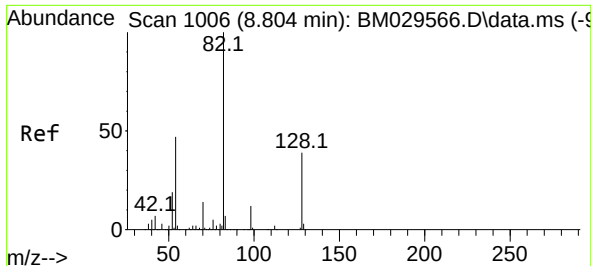
Tgt Ion: 99 Resp: 535440
Ion Ratio Lower Upper
99 100
42 20.7 18.0 27.0
71 37.8 30.9 46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.404 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion: 136 Resp: 296335
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.1 5.5 8.3
68 4.8 4.2 6.2

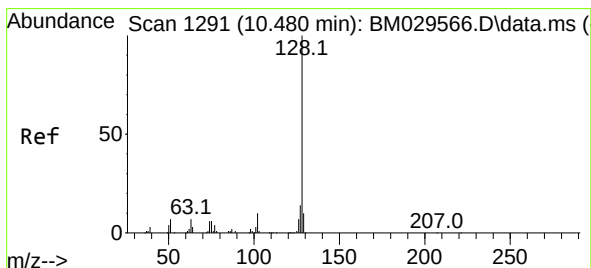
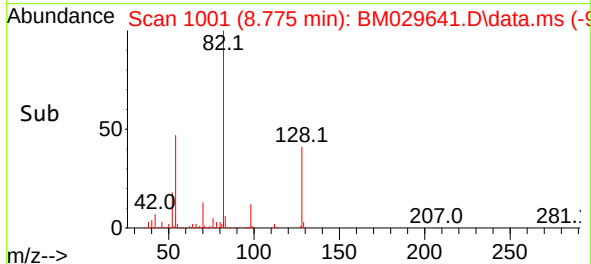
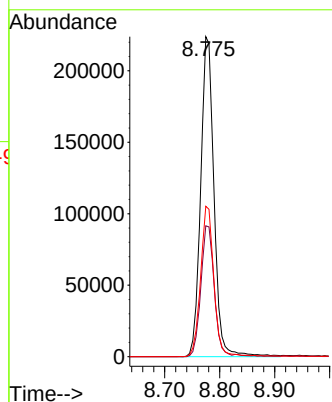
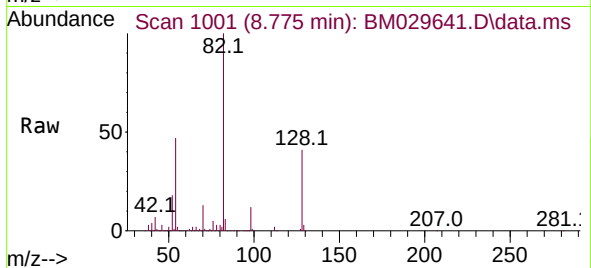




#23
Nitrobenzene-d5
Concen: 65.76 ng
RT: 8.775 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

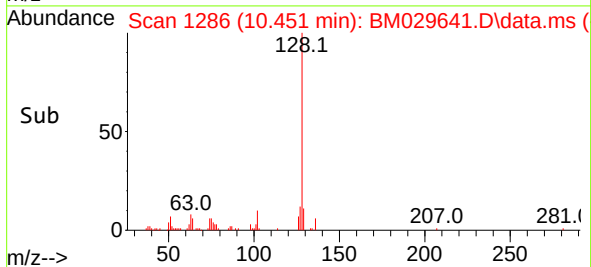
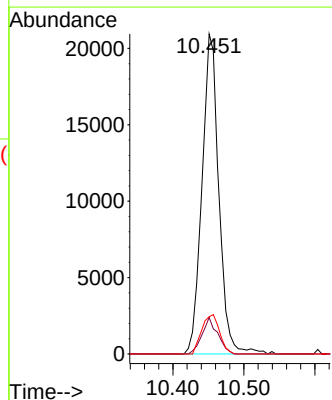
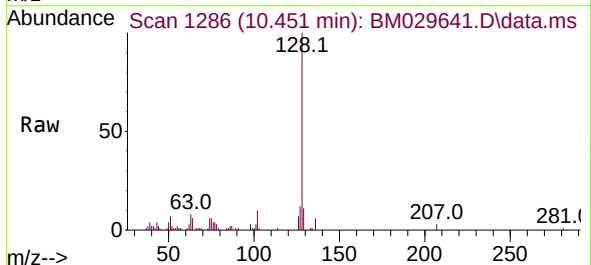
Instrument :
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ClientSampleId :
SB-38-0-2.0

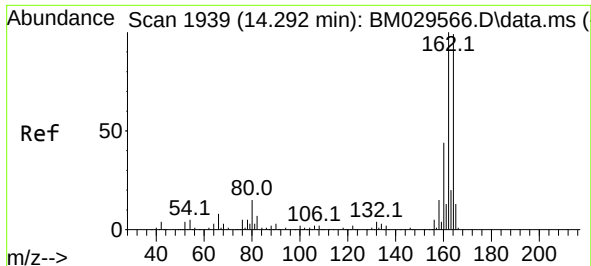
Tgt Ion: 82 Resp: 378340
Ion Ratio Lower Upper
82 100
128 40.9 31.1 46.7
54 47.0 37.3 55.9



#31
Naphthalene
Concen: 2.27 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion: 128 Resp: 34657
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 11.6 10.8 16.2

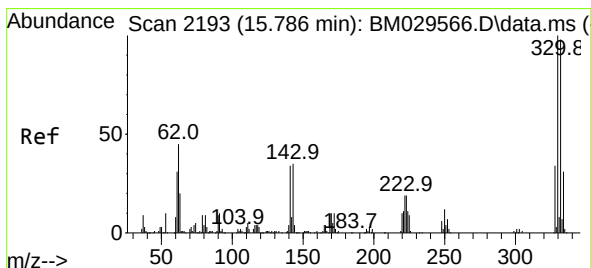
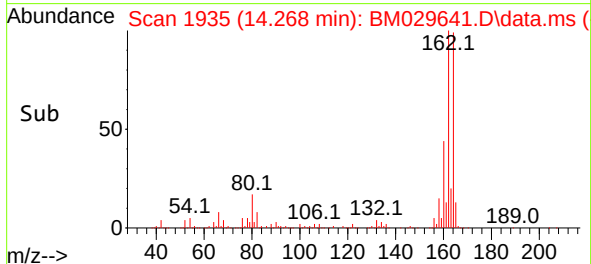
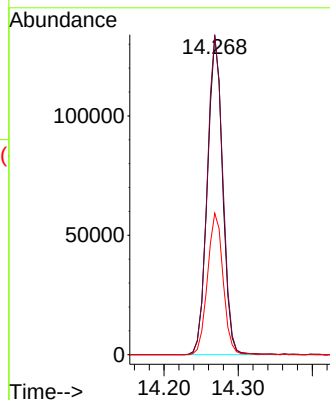
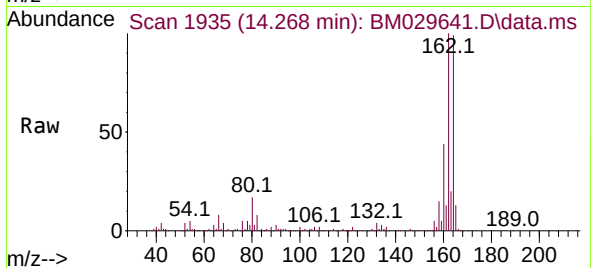




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.268 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

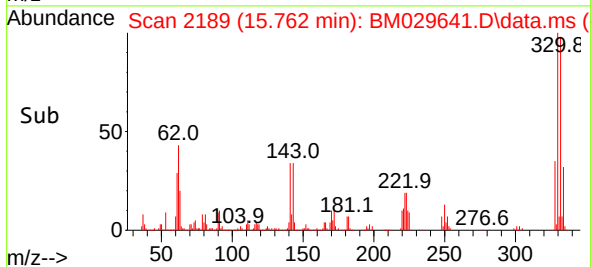
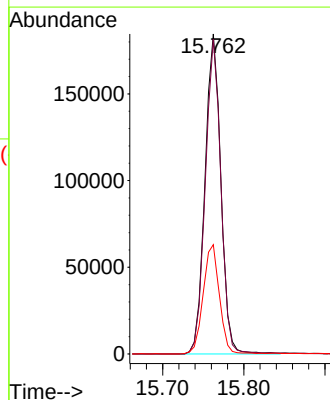
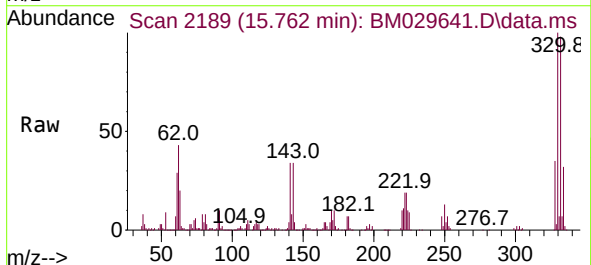
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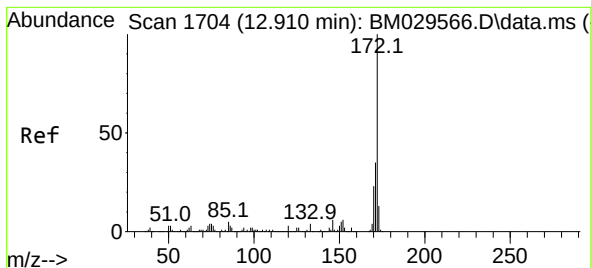
Tgt Ion:164 Resp: 190696
Ion Ratio Lower Upper
164 100
162 100.6 83.4 125.0
160 44.5 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 94.85 ng
RT: 15.762 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:330 Resp: 250144
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 35.1 30.2 45.2

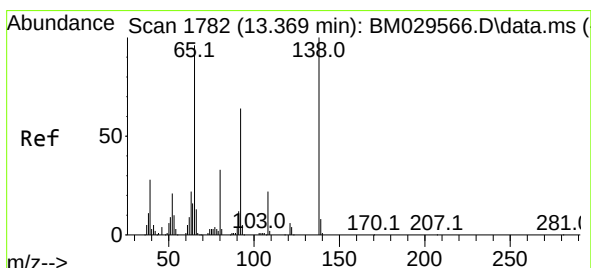
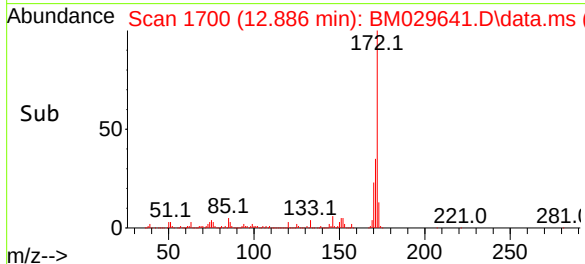
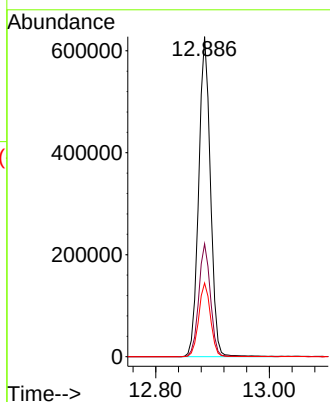
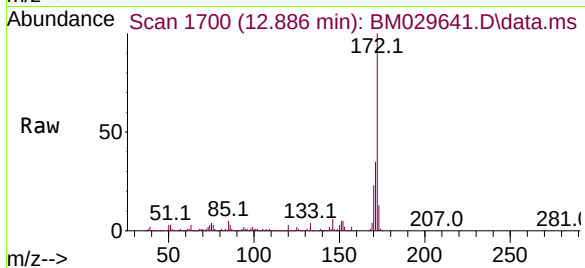




#45
2-Fluorobiphenyl
Concen: 64.08 ng
RT: 12.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

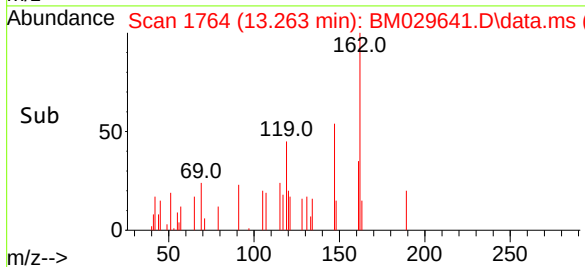
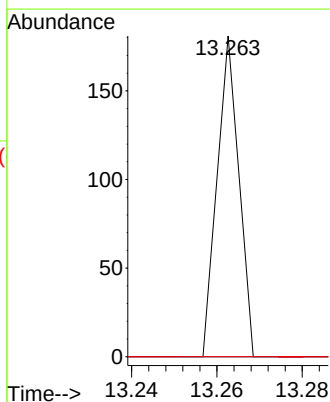
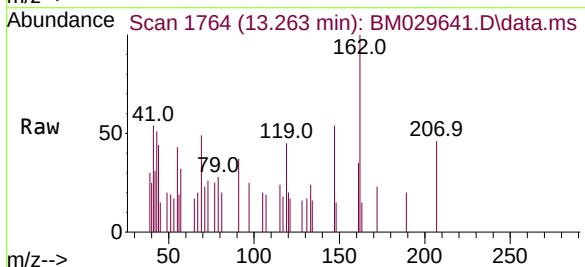
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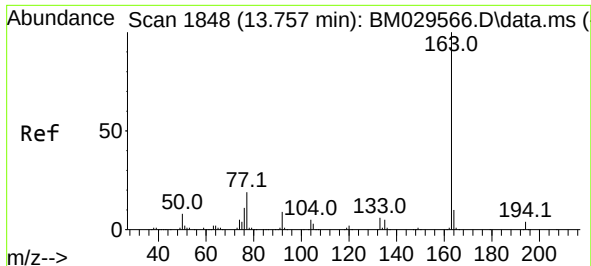
Tgt Ion:172 Resp: 900346
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.0 18.4 27.6



#48
2-Nitroaniline
Concen: 2.88 ng
RT: 13.263 min Scan# 1764
Delta R.T. -0.094 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion: 65 Resp: 64
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 85.7 128.5#

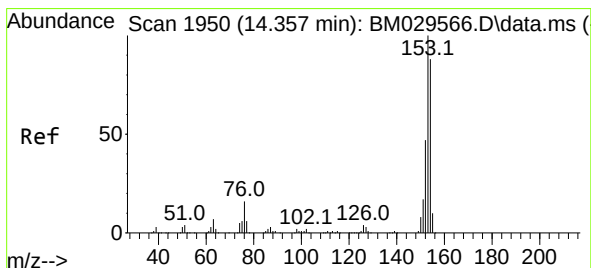
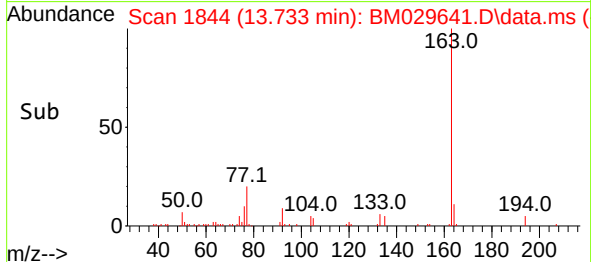
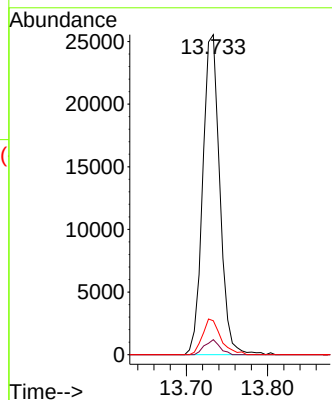
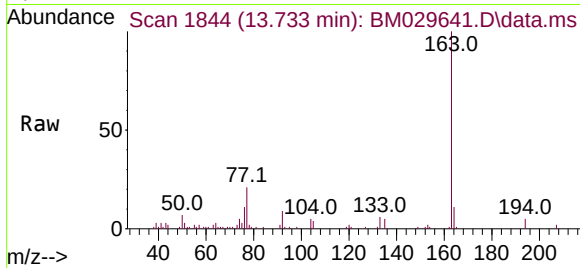




#50
Dimethylphthalate
Concen: 2.59 ng
RT: 13.733 min Scan# 1844
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

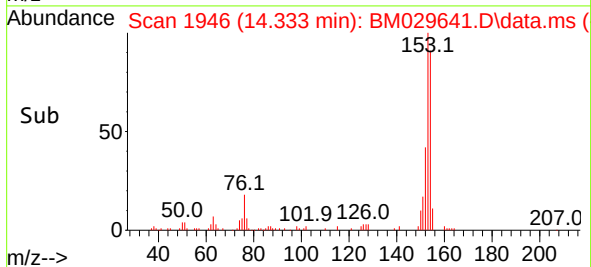
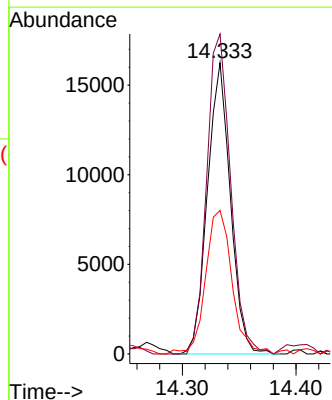
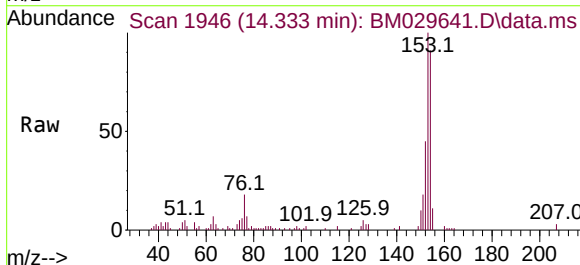
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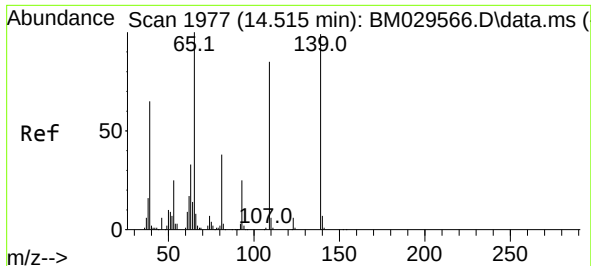
Tgt Ion:163 Resp: 37257
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 10.6 7.9 11.9



#52
Acenaphthene
Concen: 2.13 ng
RT: 14.333 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:154 Resp: 22845
Ion Ratio Lower Upper
154 100
153 109.9 92.2 138.2
152 49.3 43.4 65.2

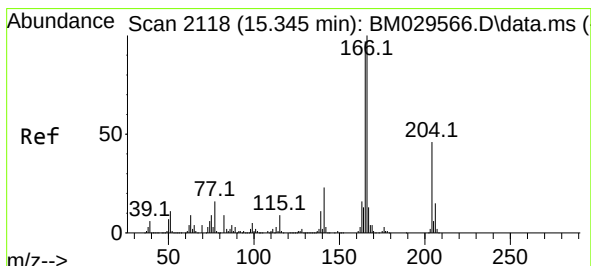
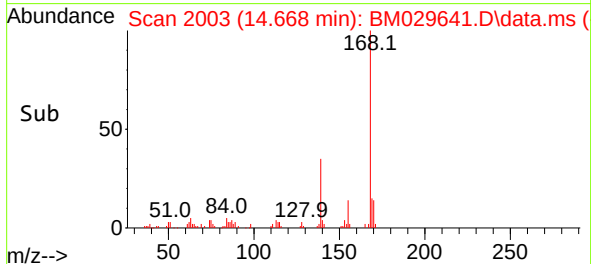
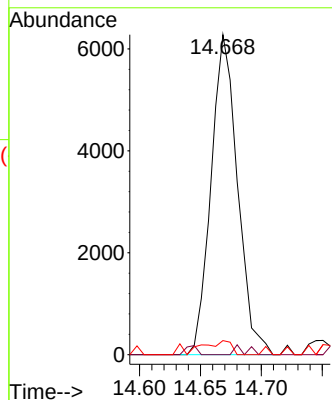
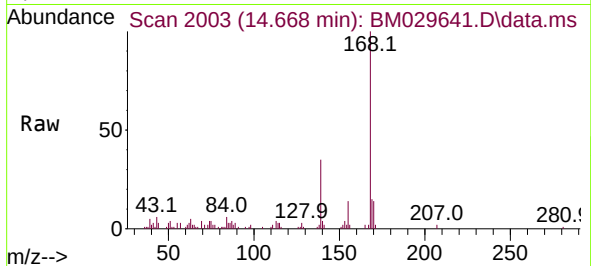




#56
4-Nitrophenol
Concen: 4.05 ng
RT: 14.668 min Scan# 2003
Delta R.T. 0.164 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

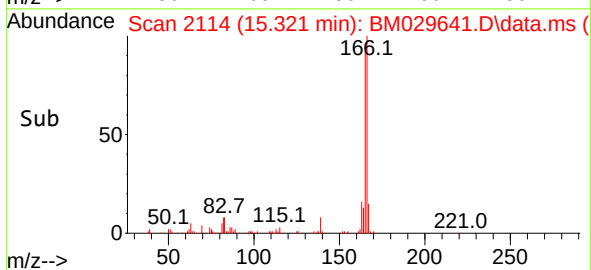
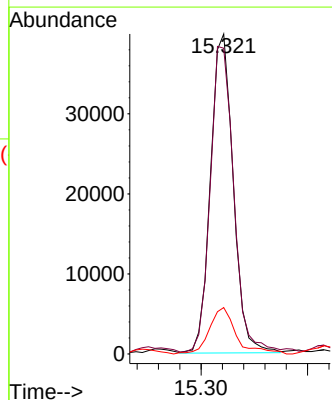
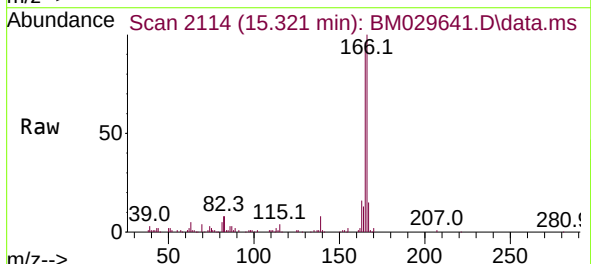
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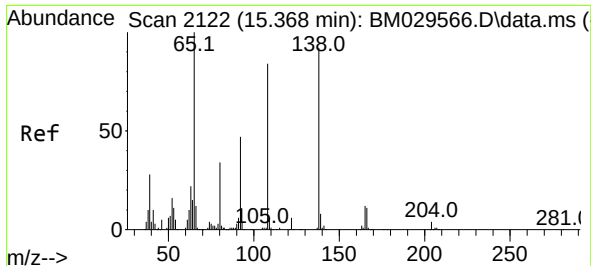
Tgt Ion:139 Resp: 9495
Ion Ratio Lower Upper
139 100
109 0.0 64.5 104.5#
65 4.4 78.9 118.9#



#58
Fluorene
Concen: 3.89 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:166 Resp: 59087
Ion Ratio Lower Upper
166 100
165 95.5 79.0 118.6
167 14.5 10.8 16.2

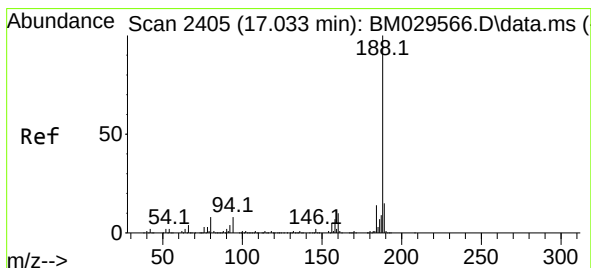
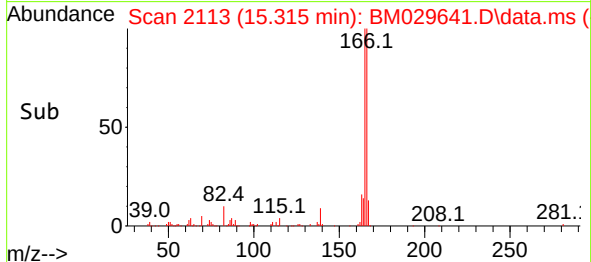
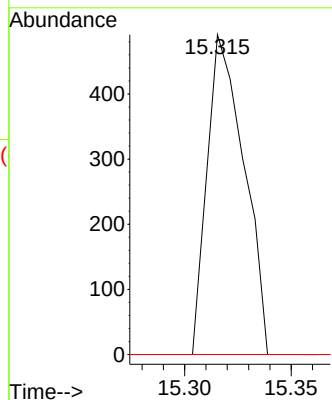
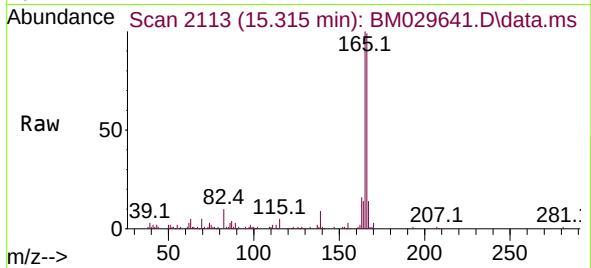




#62
4-Nitroaniline
Concen: 3.63 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.041 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

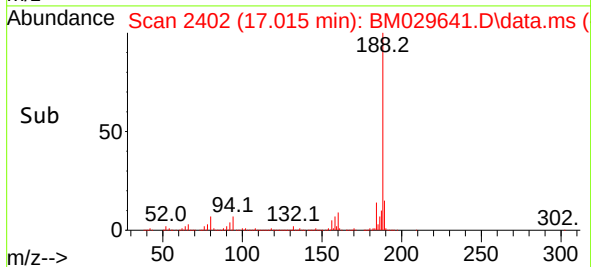
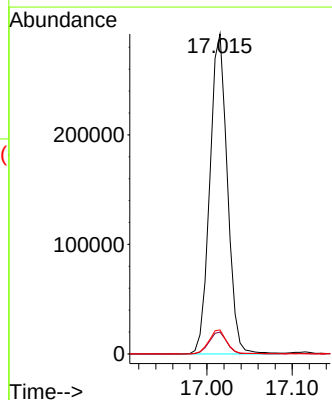
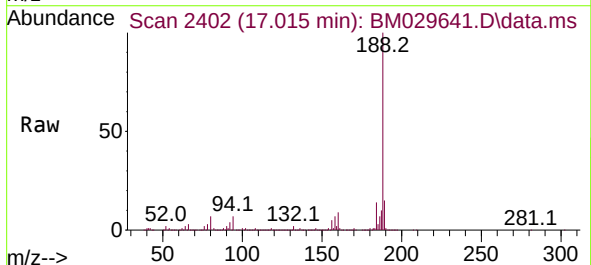
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

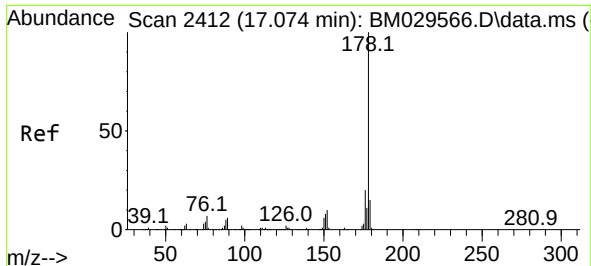
Tgt Ion:138 Resp: 589
Ion Ratio Lower Upper
138 100
92 0.0 33.4 73.4#
108 0.0 75.5 115.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.015 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:188 Resp: 417898
Ion Ratio Lower Upper
188 100
94 6.8 6.0 9.0
80 7.5 6.6 9.8

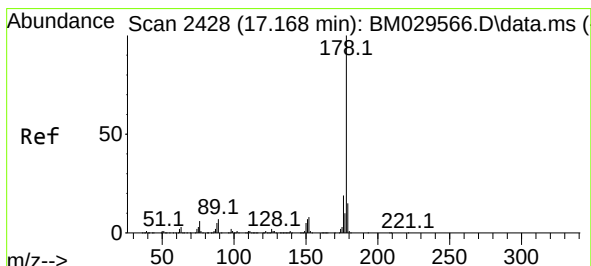
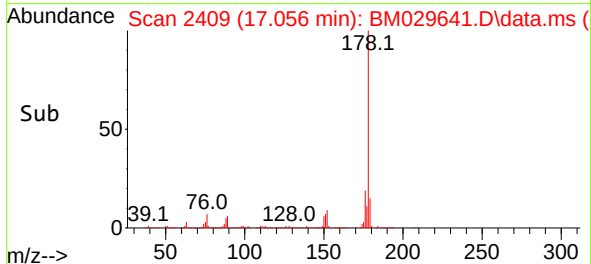
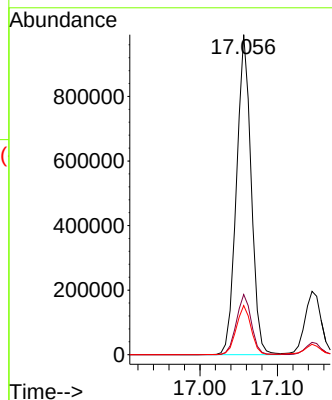
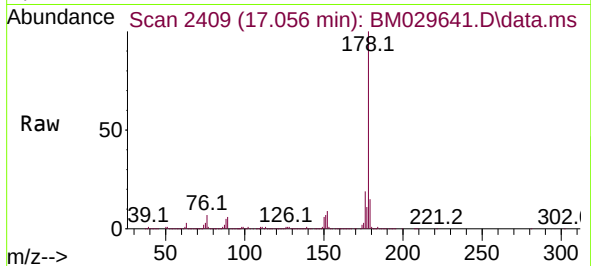




#71
Phenanthrene
Concen: 54.24 ng
RT: 17.056 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

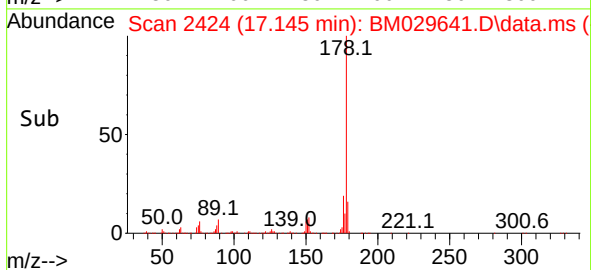
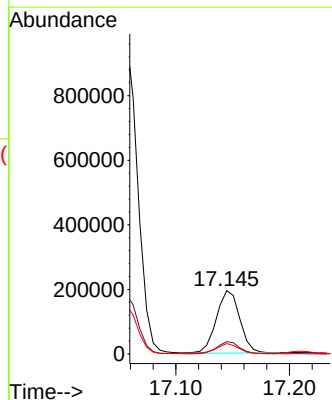
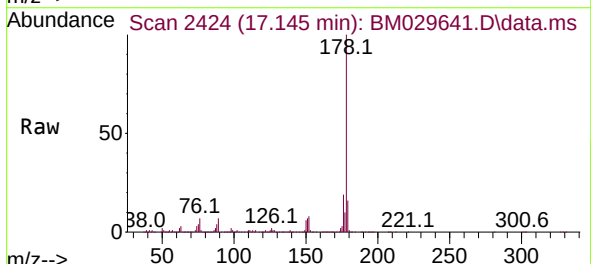
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

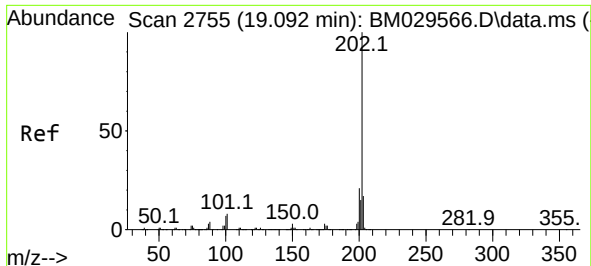
Tgt Ion:178 Resp: 1305210
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.2 18.4



#72
Anthracene
Concen: 11.68 ng
RT: 17.145 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:178 Resp: 277203
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.4
179 16.3 12.5 18.7

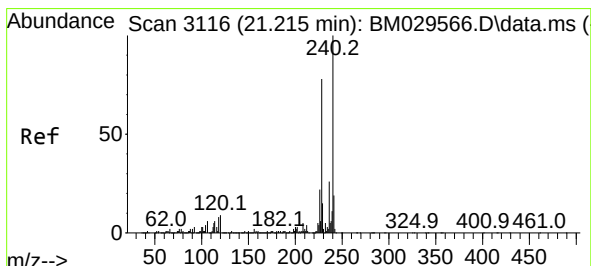
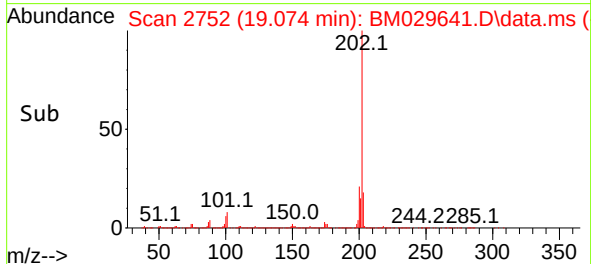
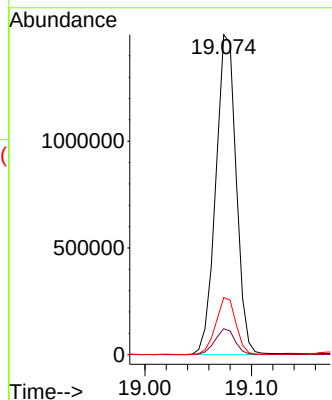
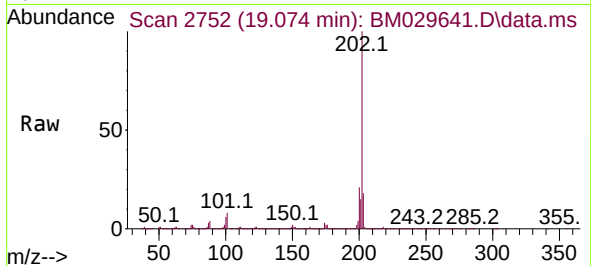




#75
Fluoranthene
Concen: 68.35 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

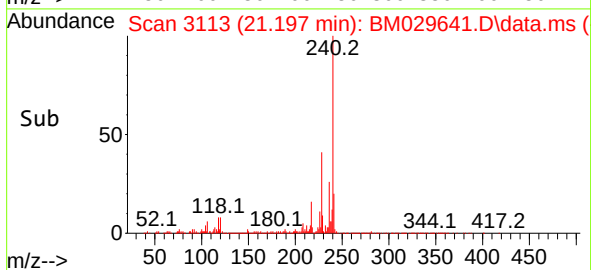
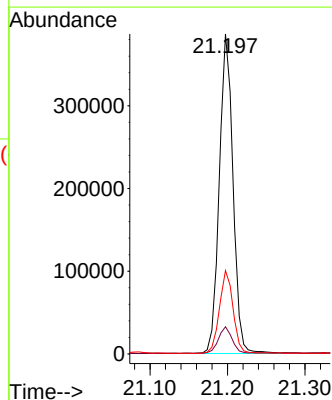
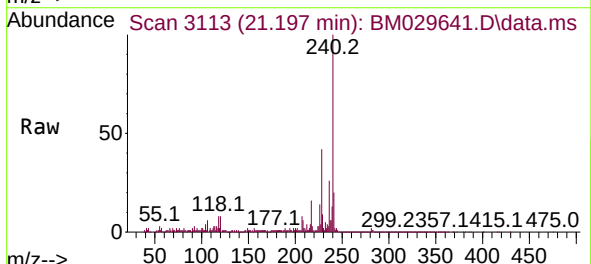
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

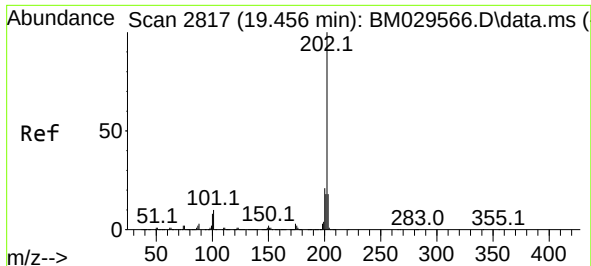
Tgt Ion:202 Resp: 1994479
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.6
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.197 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:240 Resp: 474329
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.1 21.0 31.4

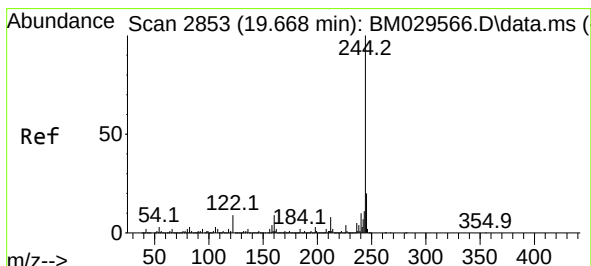
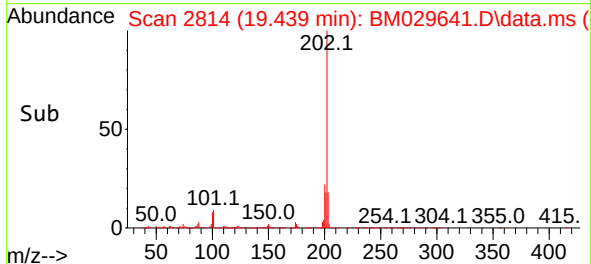
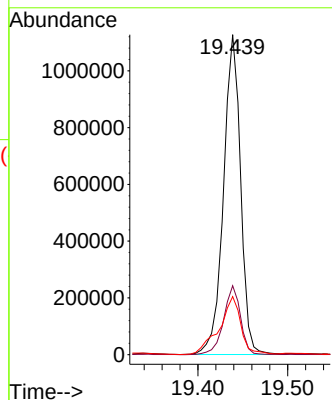
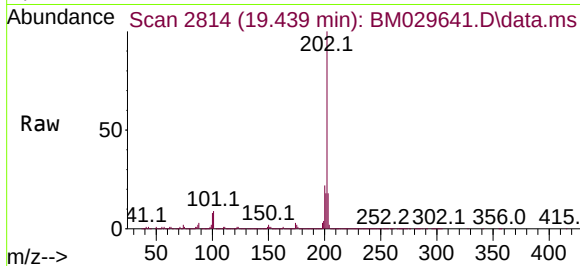




#78
 Pyrene
 Concen: 48.86 ng
 RT: 19.439 min Scan# 2814
 Delta R.T. -0.006 min
 Lab File: BM029641.D
 Acq: 24 Apr 2021 17:19

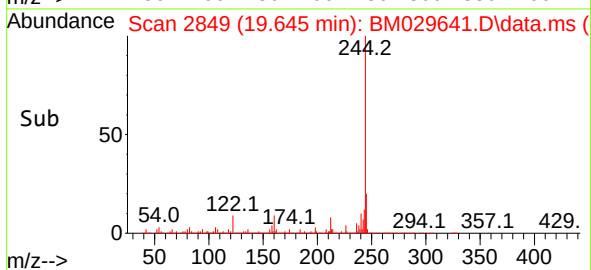
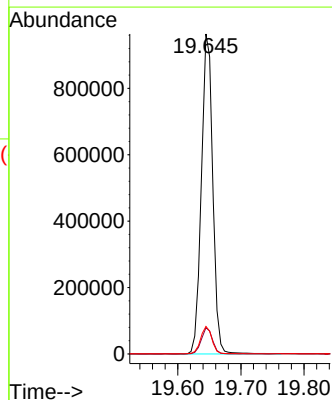
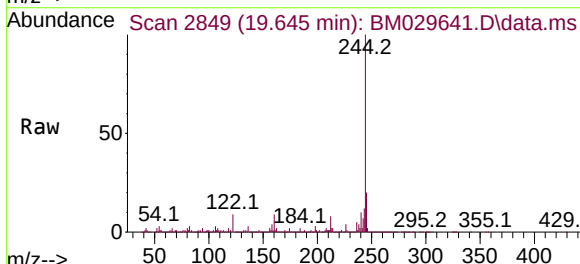
Instrument :
 BNA_M
 ClientSampleId :
 SB-38-0-2.0

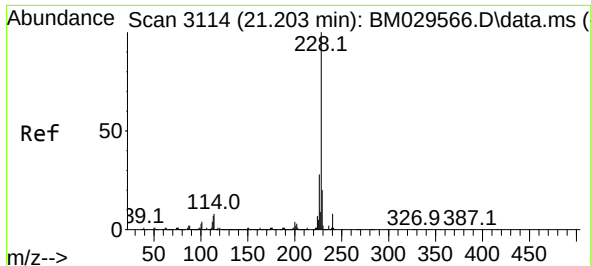
Tgt Ion:202 Resp: 1491125
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.3 25.9
 203 18.2 13.9 20.9



#79
 Terphenyl-d14
 Concen: 48.30 ng
 RT: 19.645 min Scan# 2849
 Delta R.T. -0.012 min
 Lab File: BM029641.D
 Acq: 24 Apr 2021 17:19

Tgt Ion:244 Resp: 1208500
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 8.6 6.9 10.3

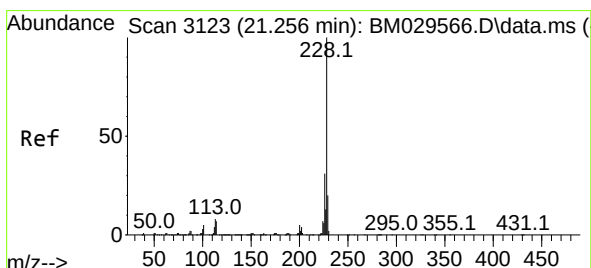
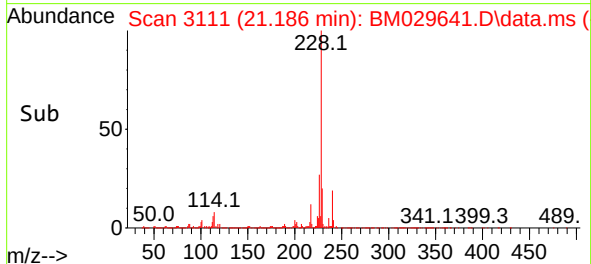
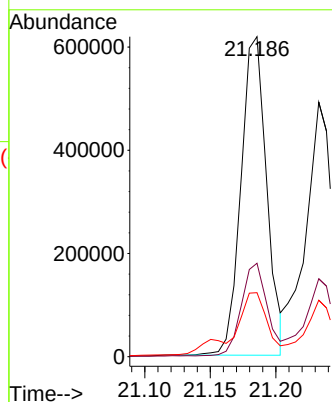
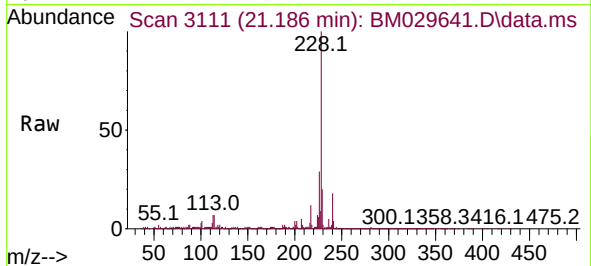




#81
Benzo(a)anthracene
Concen: 26.85 ng
RT: 21.186 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

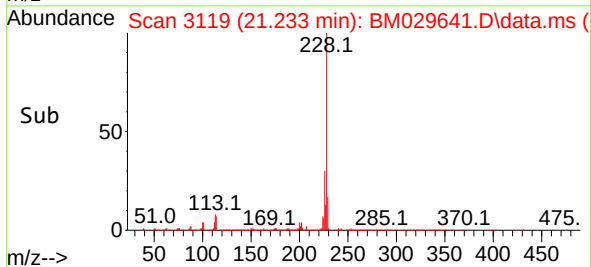
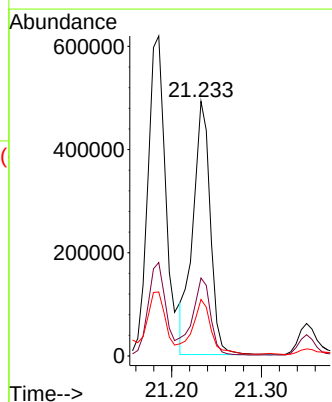
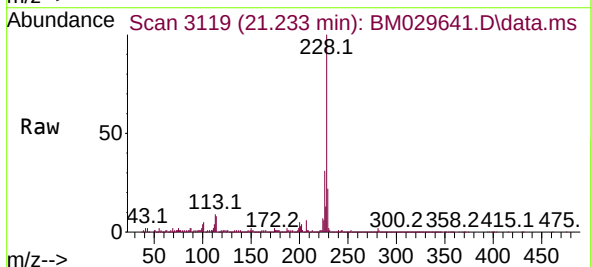
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

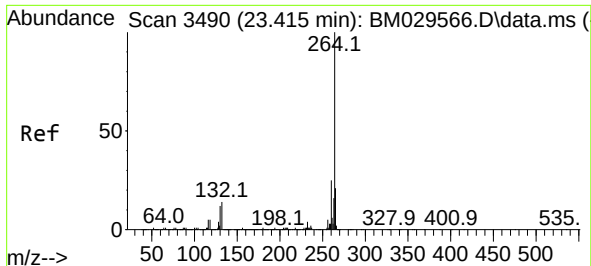
Tgt Ion:228 Resp: 842536
Ion Ratio Lower Upper
228 100
226 29.2 22.3 33.5
229 20.0 15.7 23.5



#83
Chrysene
Concen: 21.53 ng
RT: 21.233 min Scan# 3119
Delta R.T. -0.012 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:228 Resp: 664008
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 22.2 15.5 23.3

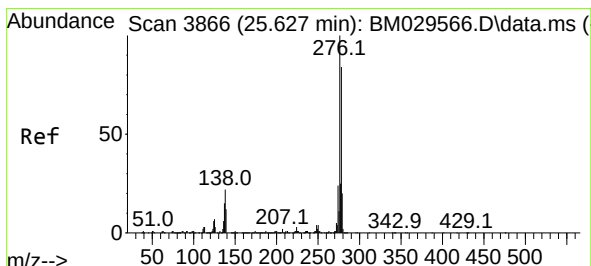
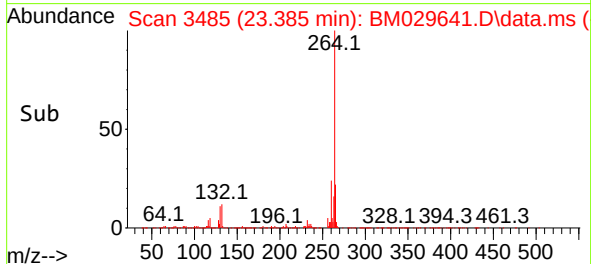
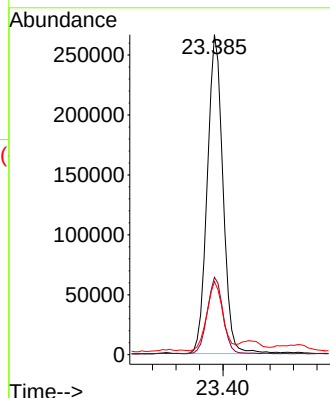
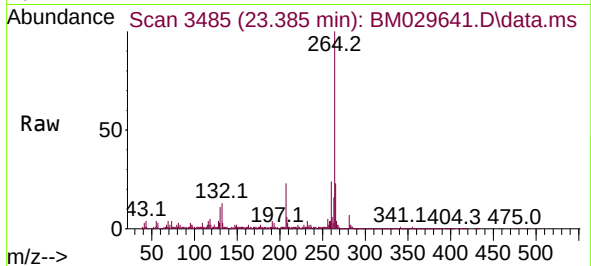




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.385 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

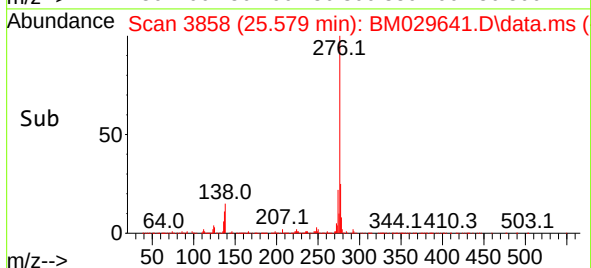
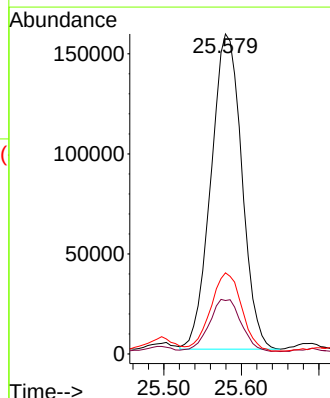
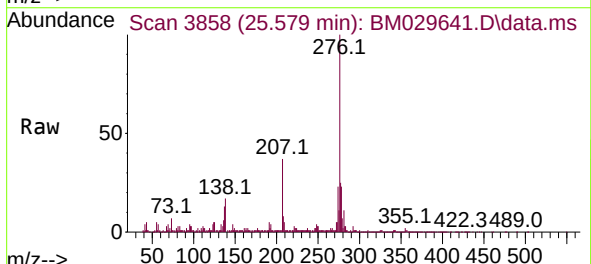
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

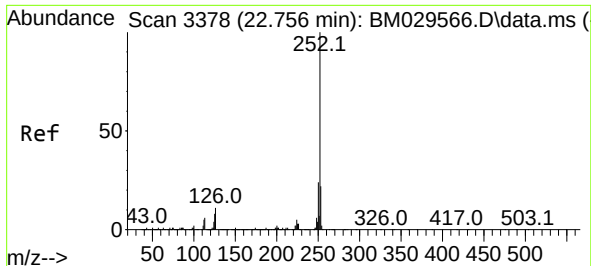
Tgt Ion:264 Resp: 490154
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.8
265 22.9 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.50 ng
RT: 25.579 min Scan# 3858
Delta R.T. -0.018 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:276 Resp: 435882
Ion Ratio Lower Upper
276 100
138 17.2 17.1 25.7
277 25.0 20.3 30.5

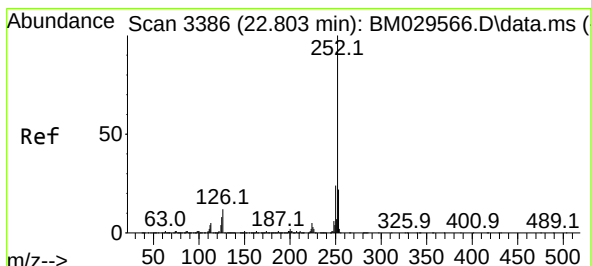
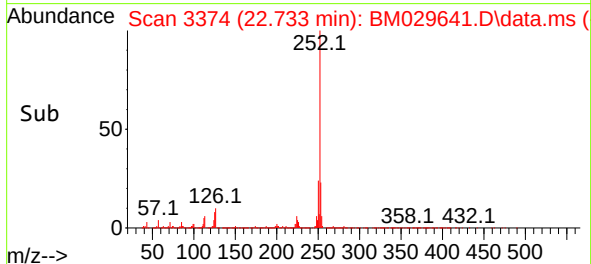
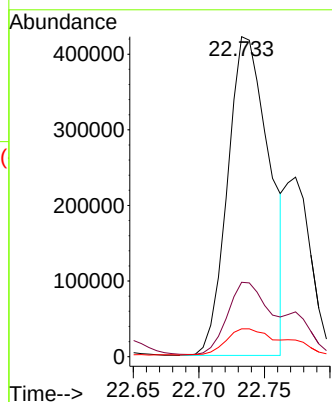
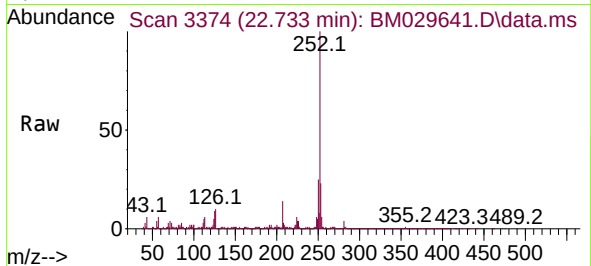




#88
Benzo(b)fluoranthene
Concen: 29.21 ng
RT: 22.733 min Scan# 3374
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

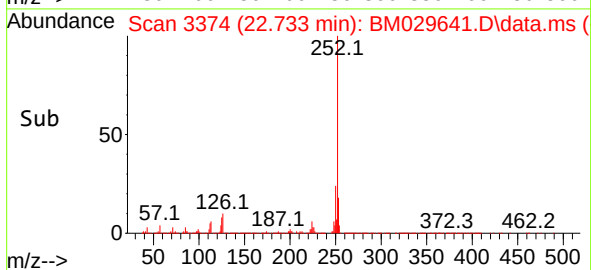
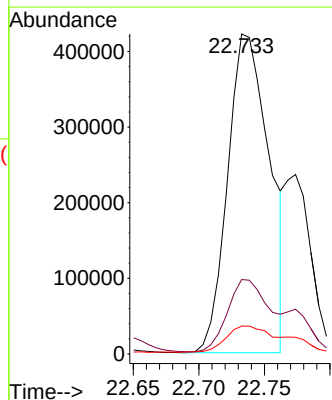
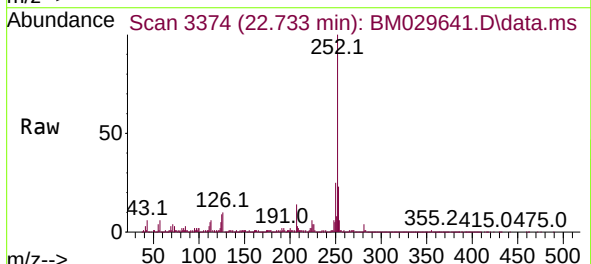
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

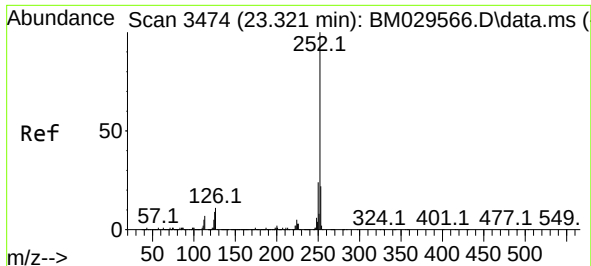
Tgt Ion:252 Resp: 933678
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.7 6.8 10.2



#89
Benzo(k)fluoranthene
Concen: 29.14 ng
RT: 22.733 min Scan# 3374
Delta R.T. -0.053 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Tgt Ion:252 Resp: 933678
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.7 6.2 9.2

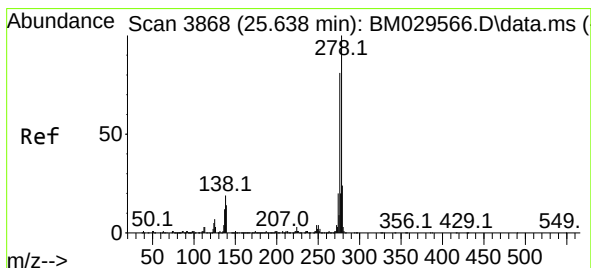
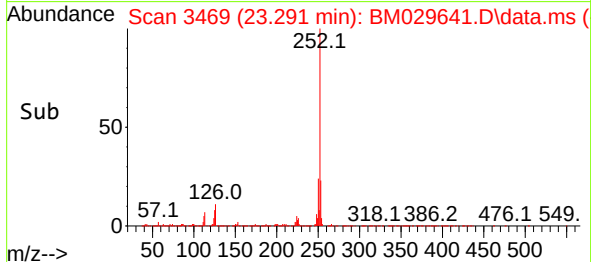
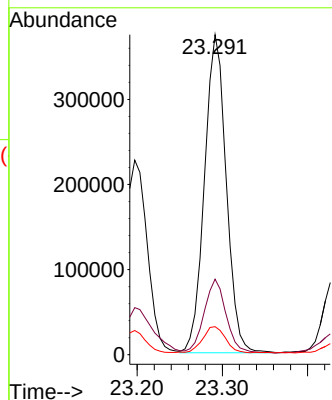
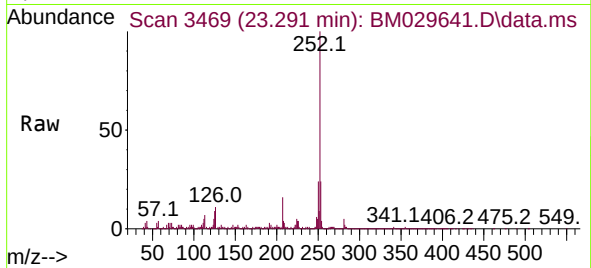




#90
Benzo(a)pyrene
Concen: 22.10 ng
RT: 23.291 min Scan# 3469
Delta R.T. -0.006 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

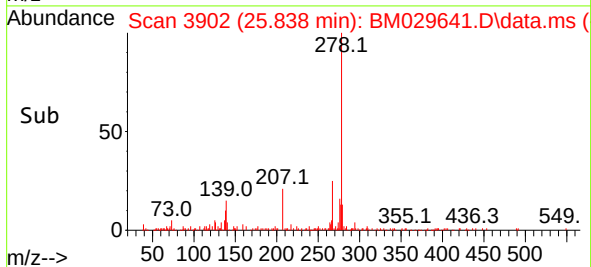
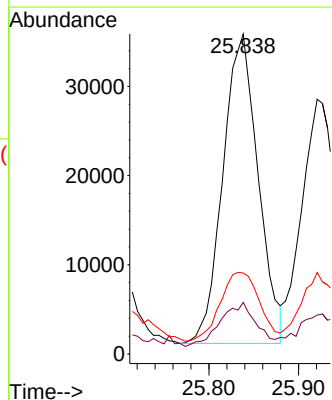
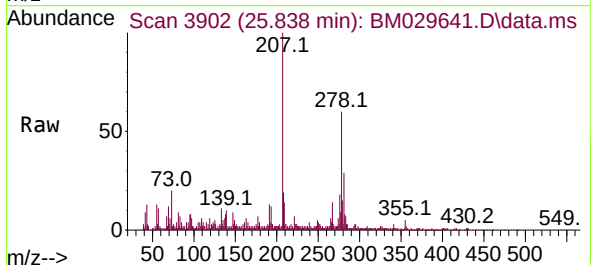
Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0

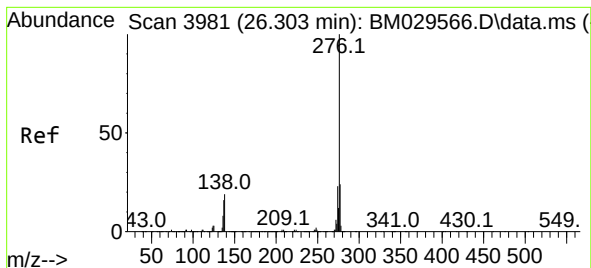
Tgt Ion:252 Resp: 663308
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 8.8 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 2.90 ng
RT: 25.838 min Scan# 3902
Delta R.T. 0.229 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

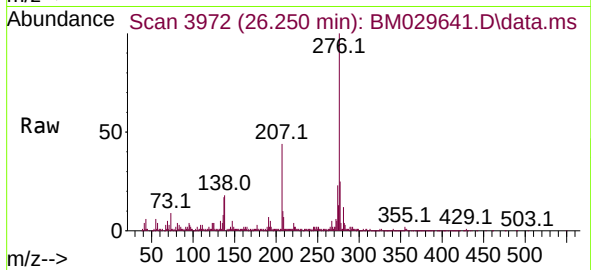
Tgt Ion:278 Resp: 94657
Ion Ratio Lower Upper
278 100
139 16.1 11.0 16.4
279 25.3 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 13.33 ng
RT: 26.250 min Scan# 3972
Delta R.T. -0.018 min
Lab File: BM029641.D
Acq: 24 Apr 2021 17:19

Instrument :
BNA_M
ClientSampleId :
SB-38-0-2.0



Tgt Ion:276 Resp: 402872
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.2
138 17.5 14.4 21.6

