

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
 Data File : BM029645.D
 Acq On : 24 Apr 2021 19:44
 Operator : CG/JU
 Sample : M2145-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-042221

Quant Time: Apr 26 03:07:46 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)

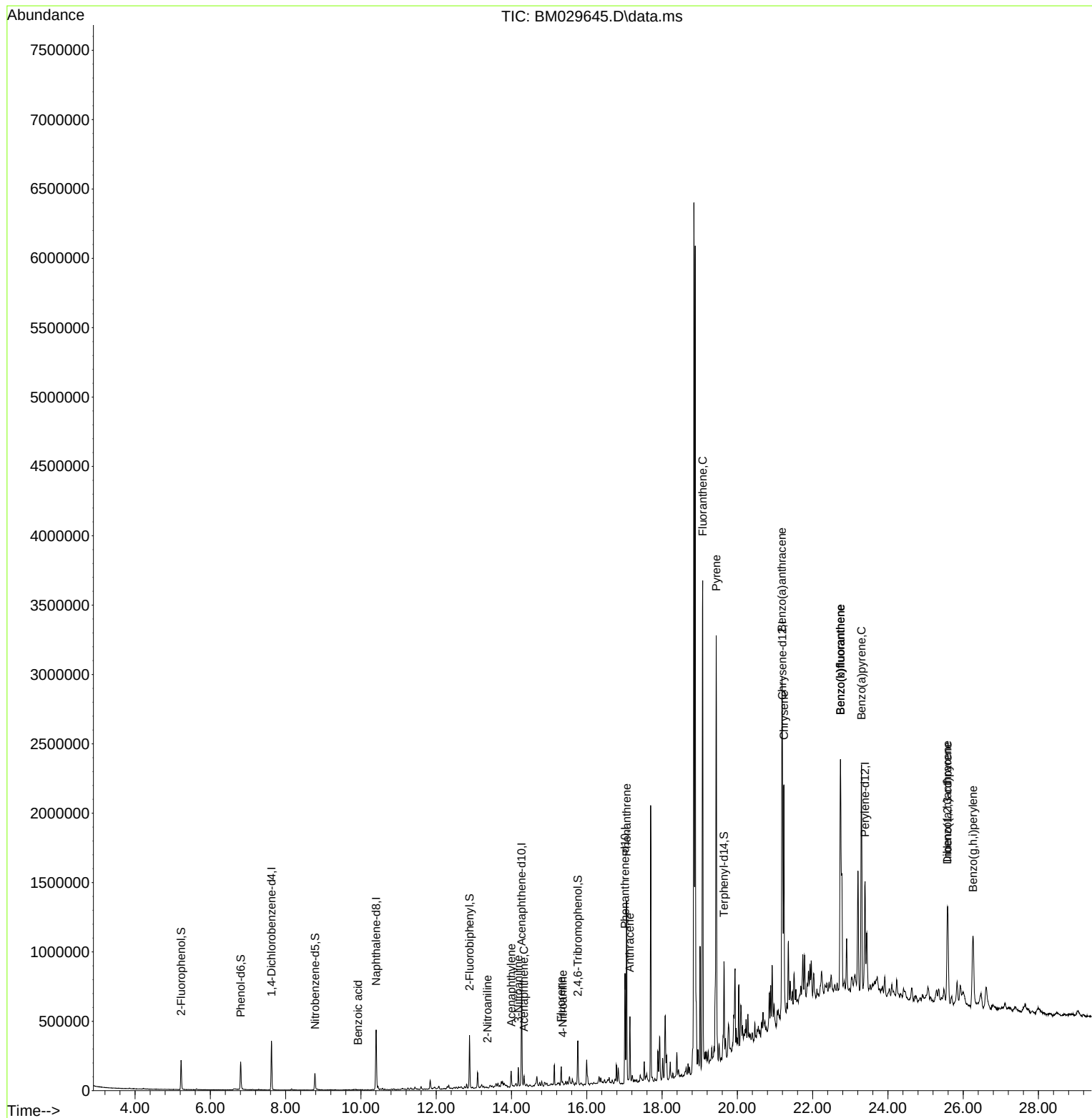
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	96221	20.00	ng	-0.01
21) Naphthalene-d8	10.404	136	340874	20.00	ng	-0.01
39) Acenaphthene-d10	14.269	164	225950	20.00	ng	-0.01
64) Phenanthrene-d10	17.015	188	476110	20.00	ng	0.00
76) Chrysene-d12	21.198	240	523322	20.00	ng	0.00
86) Perylene-d12	23.392	264	540920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.222	112	87570	18.25	ng	0.00
7) Phenol-d6	6.804	99	107258	14.96	ng	0.00
23) Nitrobenzene-d5	8.781	82	73366	11.09	ng	0.00
42) 2,4,6-Tribromophenol	15.763	330	48127	15.40	ng	0.00
45) 2-Fluorobiphenyl	12.886	172	196917	11.83	ng	-0.01
79) Terphenyl-d14	19.645	244	294331	10.66	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.922	122	54	7.23	ng	# 30
48) 2-Nitroaniline	13.363	65	494	2.99	ng	# 27
49) Acenaphthylene	13.992	152	90150	4.45	ng	99
52) Acenaphthene	14.333	154	25620	2.02	ng	93
53) 3-Nitroaniline	14.180	138	54	3.00	ng	# 1
58) Fluorene	15.321	166	59460	3.30	ng	98
62) 4-Nitroaniline	15.363	138	125	3.49	ng	# 8
71) Phenanthrene	17.057	178	774249	28.24	ng	100
72) Anthracene	17.145	178	297870	11.01	ng	100
75) Fluoranthene	19.080	202	2024828	60.91	ng	98
78) Pyrene	19.439	202	1805235	53.62	ng	99
81) Benzo(a)anthracene	21.186	228	1121315	32.39	ng	98
83) Chrysene	21.239	228	890909	26.19	ng	97
87) Indeno(1,2,3-cd)pyrene	25.585	276	655263	15.67	ng	96
88) Benzo(b)fluoranthene	22.739	252	1814187	51.43	ng	98
89) Benzo(k)fluoranthene	22.739	252	1814187	51.32	ng	98
90) Benzo(a)pyrene	23.297	252	1067103	32.22	ng	98
91) Dibenzo(a,h)anthracene	25.580	278	168857	4.68	ng	# 80
92) Benzo(g,h,i)perylene	26.262	276	610348	18.30	ng	98

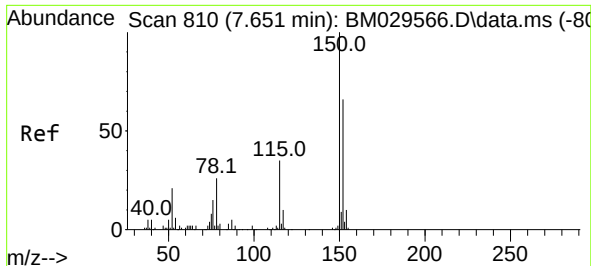
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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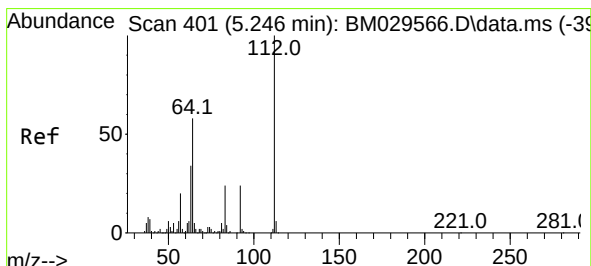
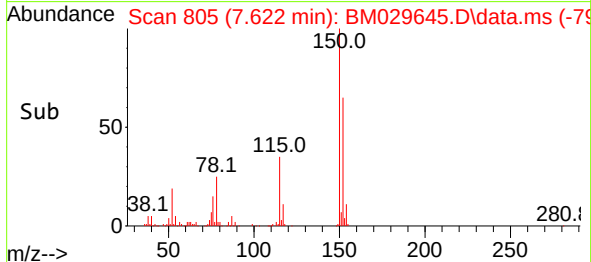
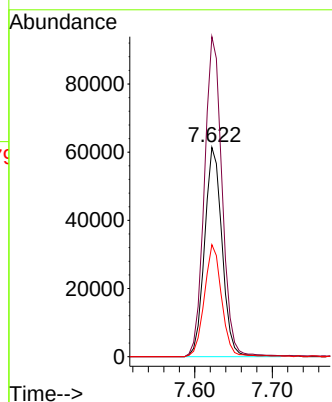
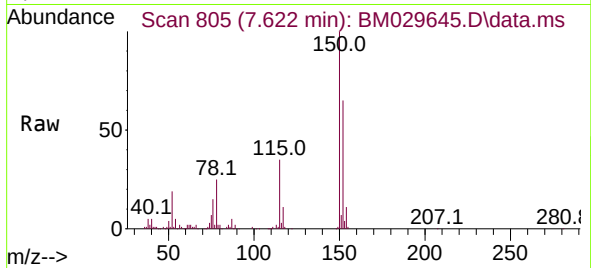




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

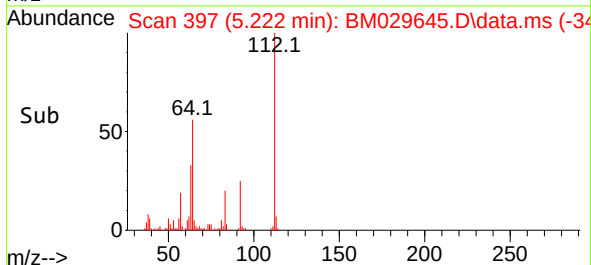
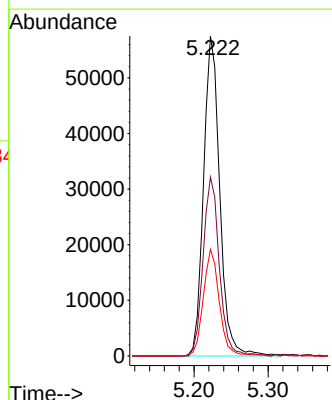
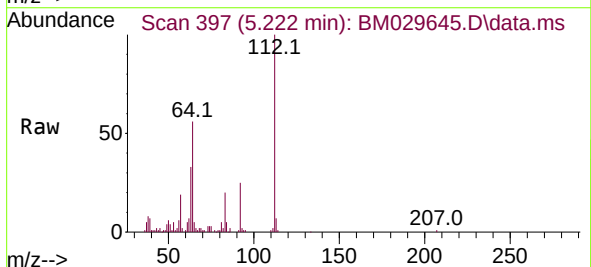
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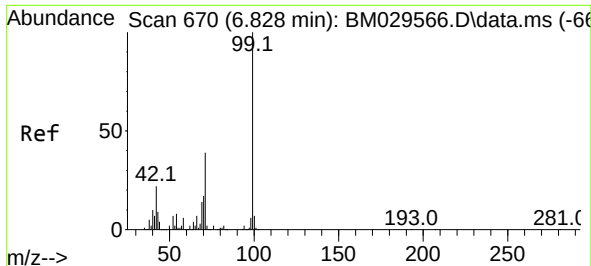
Tgt Ion:152 Resp: 96221
Ion Ratio Lower Upper
152 100
150 152.9 125.9 188.9
115 53.5 44.6 67.0



#5
2-Fluorophenol
Concen: 18.25 ng
RT: 5.222 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:112 Resp: 87570
Ion Ratio Lower Upper
112 100
64 55.9 47.1 70.7
63 33.3 27.3 40.9

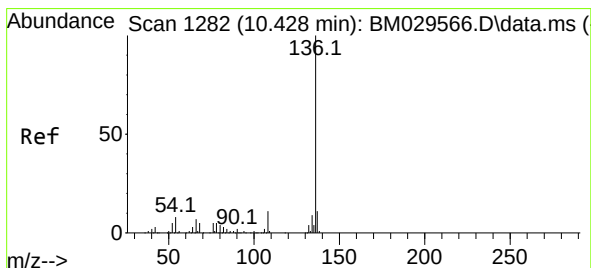
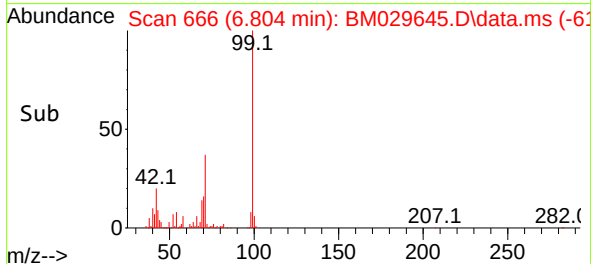
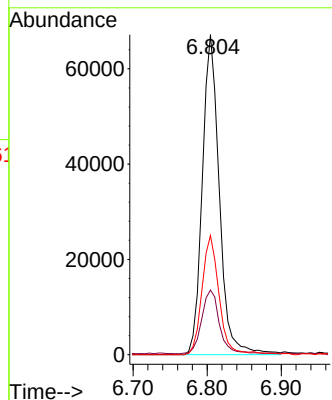
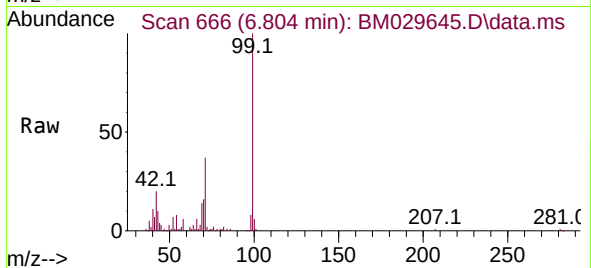




#7
Phenol-d6
Concen: 14.96 ng
RT: 6.804 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

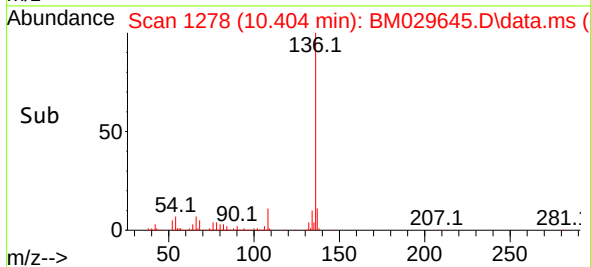
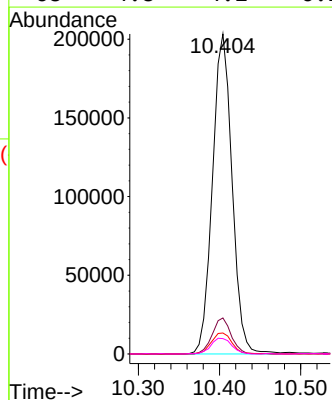
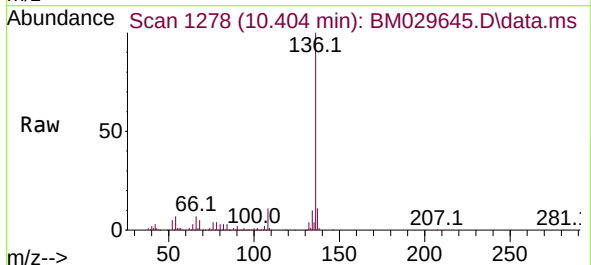
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

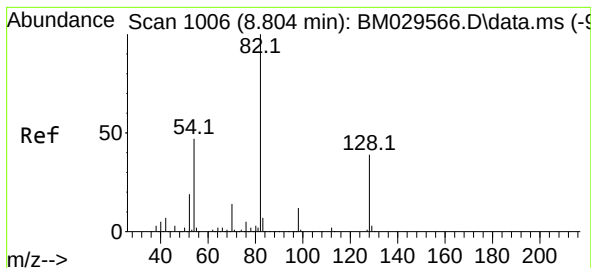
Tgt Ion: 99 Resp: 107258
Ion Ratio Lower Upper
99 100
42 20.2 18.0 27.0
71 37.2 30.9 46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.404 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion: 136 Resp: 340874
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.5 5.5 8.3
68 4.8 4.2 6.2

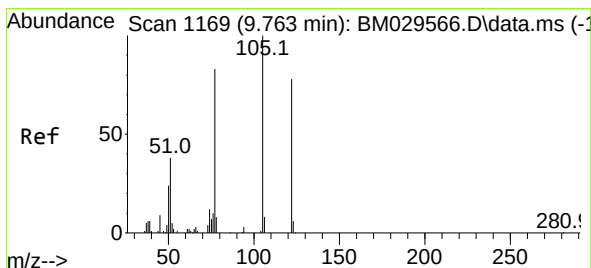
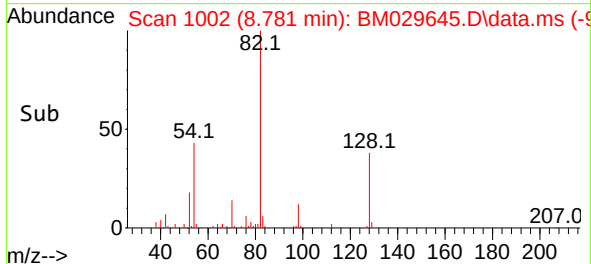
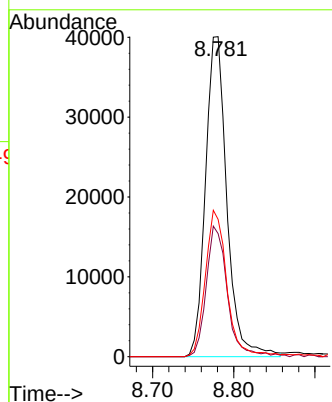
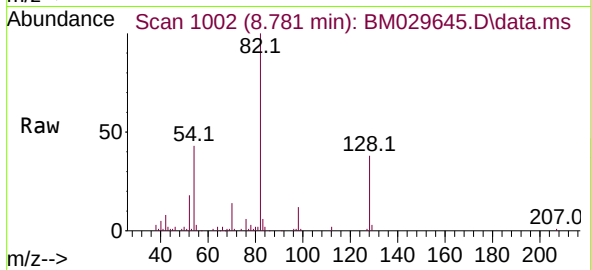




#23
Nitrobenzene-d5
Concen: 11.09 ng
RT: 8.781 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

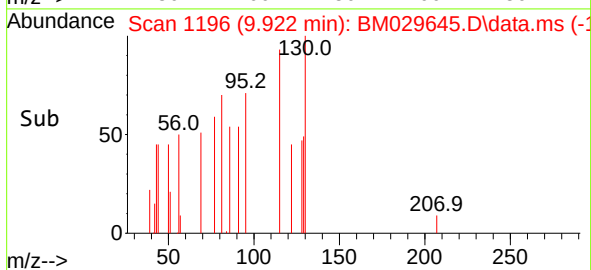
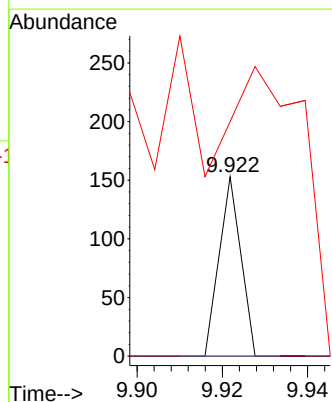
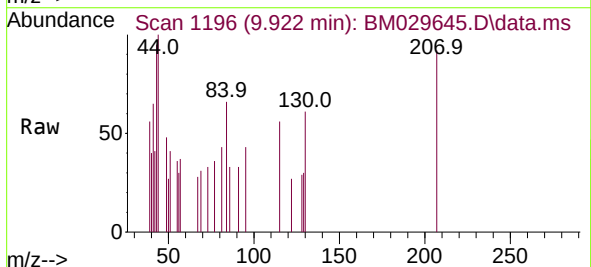
Instrument :
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ClientSampleId :
SU-02-042221

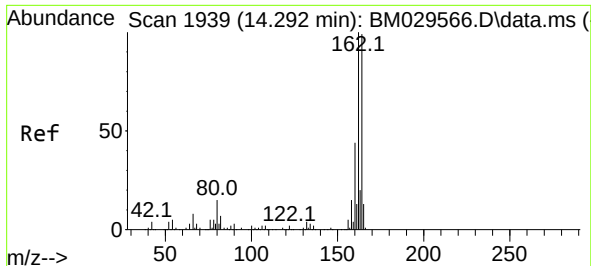
Tgt Ion: 82 Resp: 73366
Ion Ratio Lower Upper
82 100
128 38.4 31.1 46.7
54 42.9 37.3 55.9



#32
Benzoic acid
Concen: 7.23 ng
RT: 9.922 min Scan# 1196
Delta R.T. 0.176 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 107.3 147.3#
77 130.7 88.0 128.0#

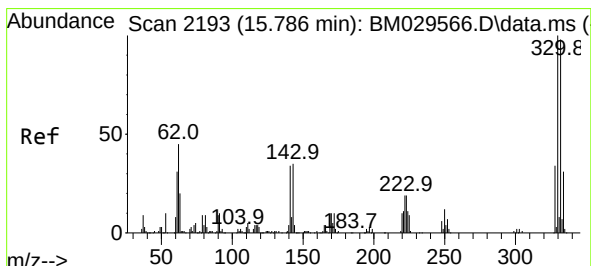
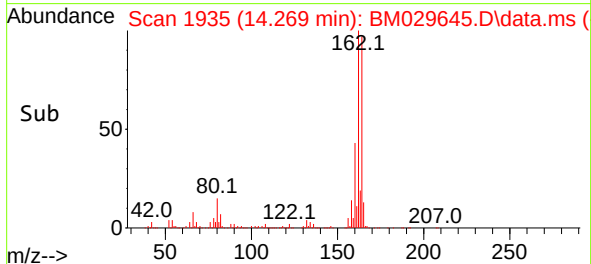
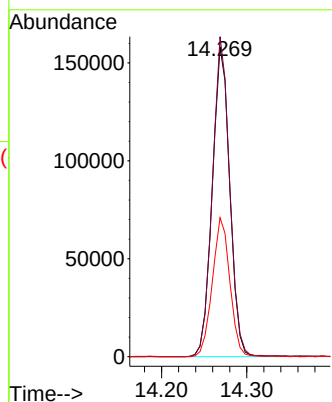
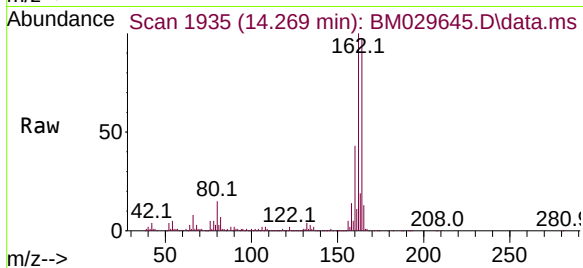




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.269 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

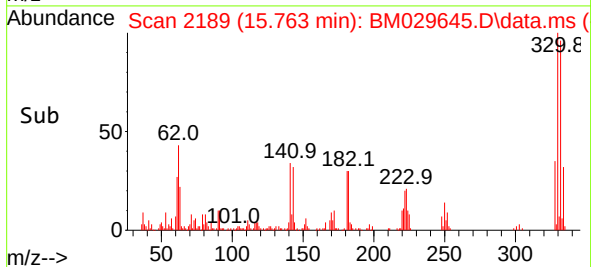
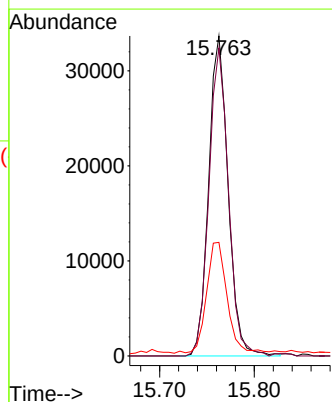
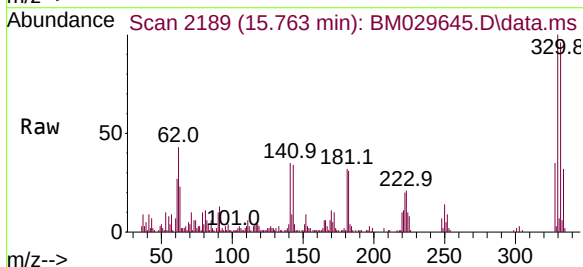
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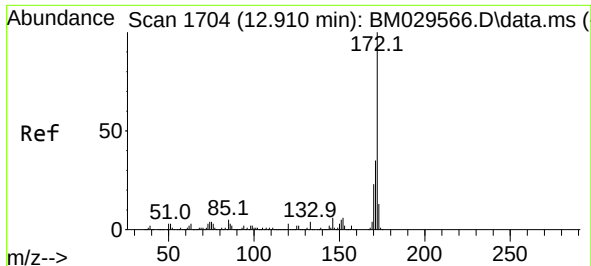
Tgt Ion:164 Resp: 225950
Ion Ratio Lower Upper
164 100
162 103.3 83.4 125.0
160 44.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 15.40 ng
RT: 15.763 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:330 Resp: 48127
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.9 30.2 45.2

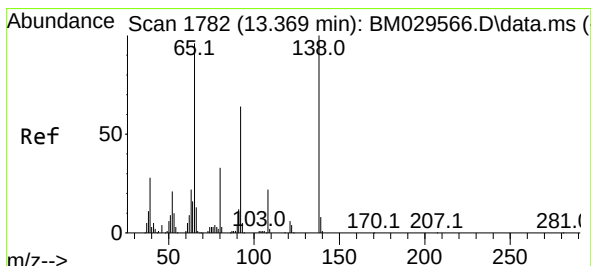
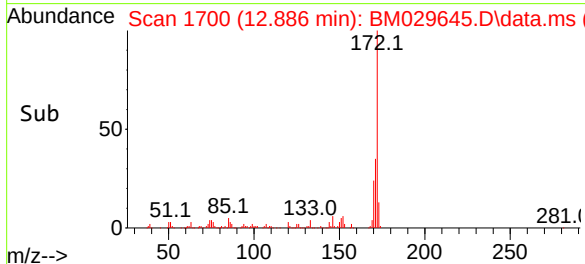
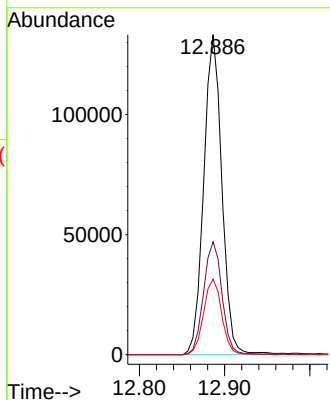
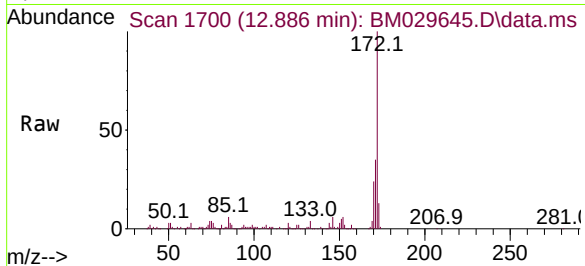




#45
2-Fluorobiphenyl
Concen: 11.83 ng
RT: 12.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

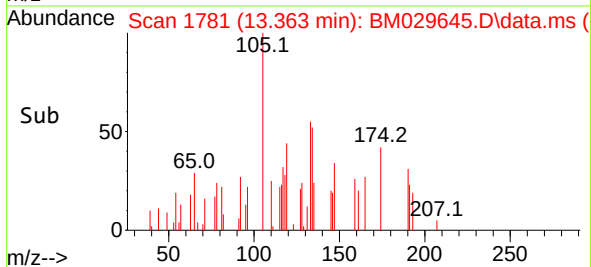
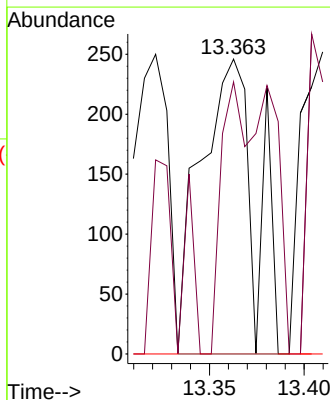
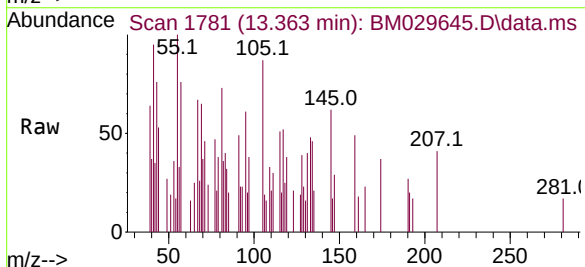
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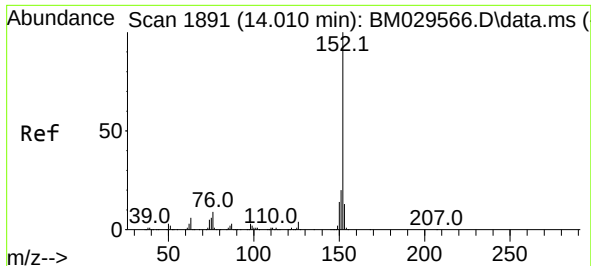
Tgt Ion:172	Resp:	196917
Ion Ratio	Lower	Upper
172	100	
171	35.3	28.6 43.0
170	23.6	18.4 27.6



#48
2-Nitroaniline
Concen: 2.99 ng
RT: 13.363 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion: 65	Resp:	494
Ion Ratio	Lower	Upper
65	100	
92	92.3	55.5 83.3#
138	0.0	85.7 128.5#

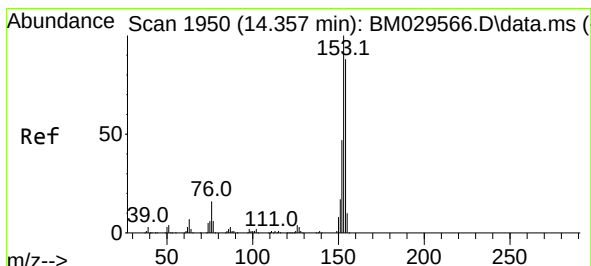
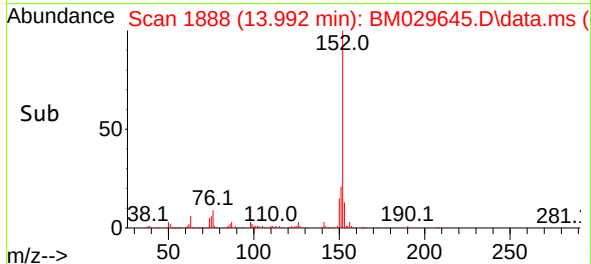
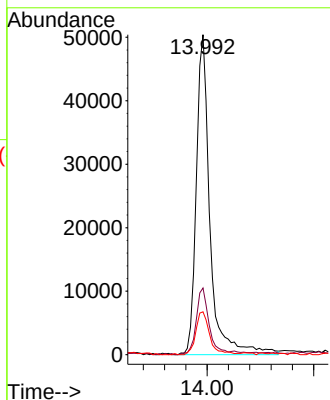
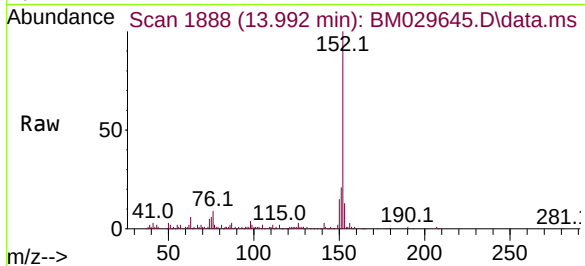




#49
Acenaphthylene
Concen: 4.45 ng
RT: 13.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

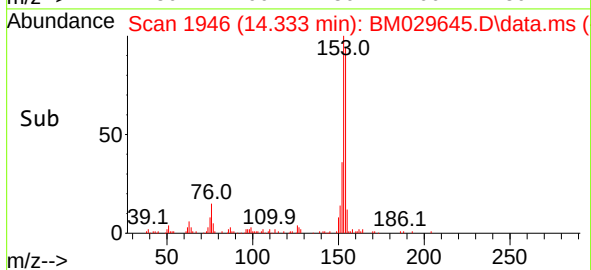
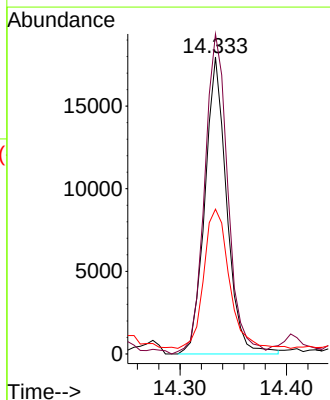
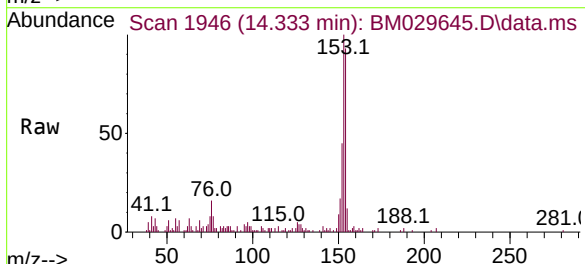
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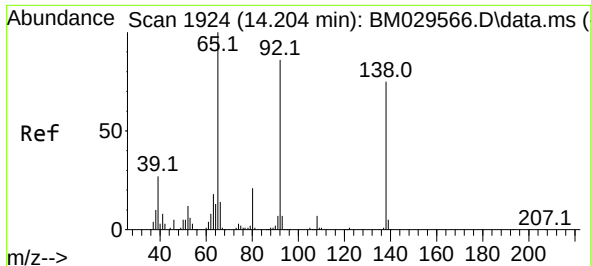
Tgt Ion:152	Resp:	90150
Ion Ratio	Lower	Upper
152	100	
151	20.8	16.3 24.5
153	13.4	10.2 15.4



#52
Acenaphthene
Concen: 2.02 ng
RT: 14.333 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:154	Resp:	25620
Ion Ratio	Lower	Upper
154	100	
153	107.7	92.2 138.2
152	48.8	43.4 65.2

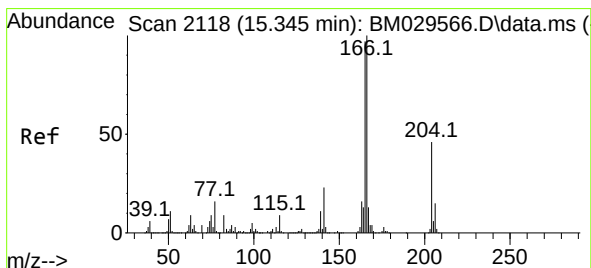
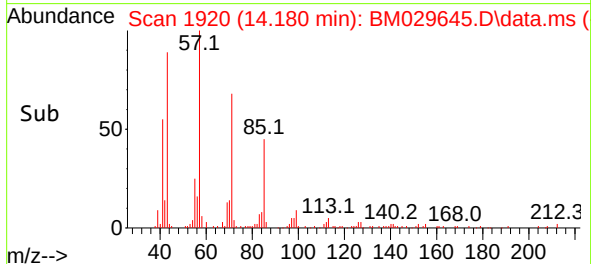
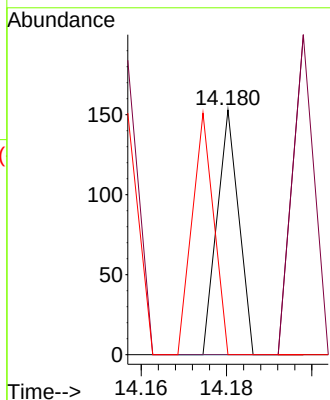
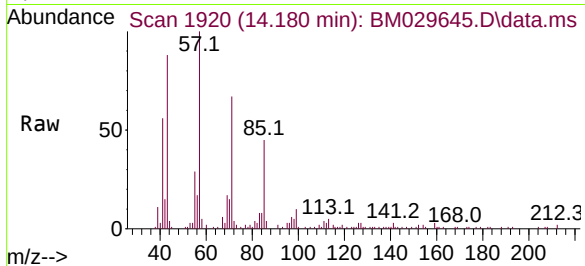




#53
3-Nitroaniline
Concen: 3.00 ng
RT: 14.180 min Scan# 1920
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

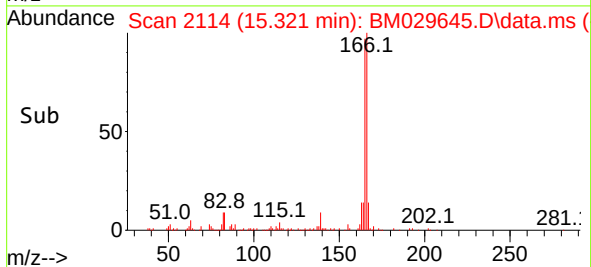
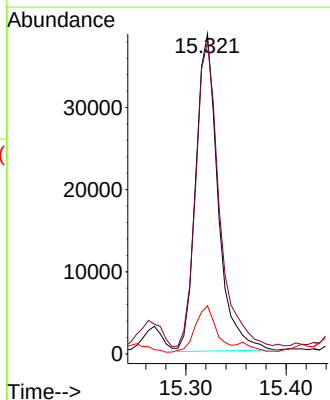
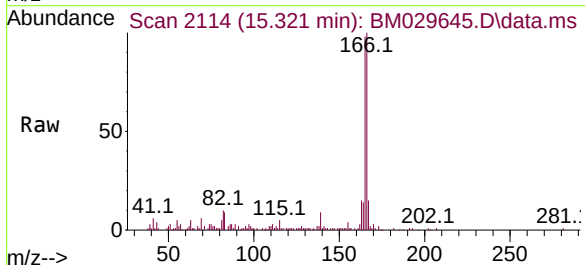
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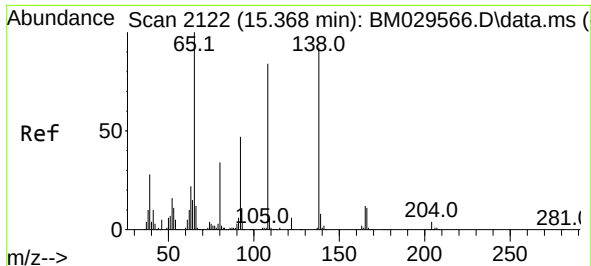
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 0.0 7.7 11.5#
92 0.0 92.6 138.8#



#58
Fluorene
Concen: 3.30 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:166 Resp: 59460
Ion Ratio Lower Upper
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165 97.6 79.0 118.6
167 15.0 10.8 16.2

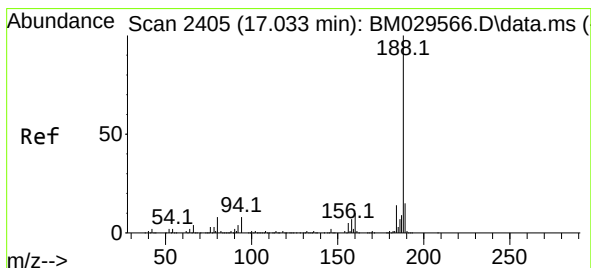
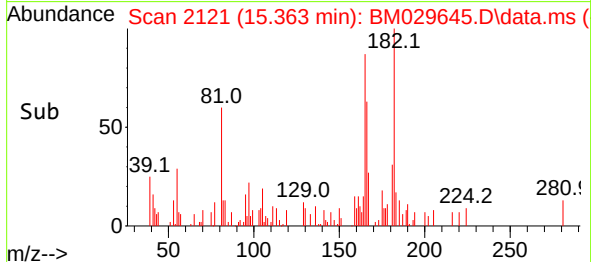
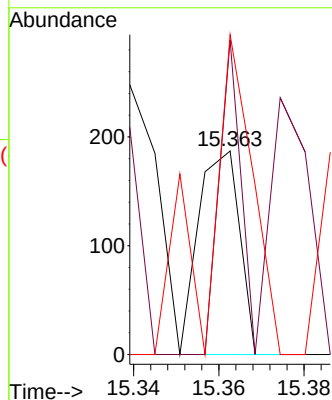
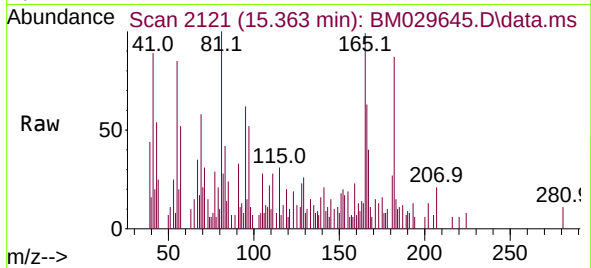




#62
4-Nitroaniline
Concen: 3.49 ng
RT: 15.363 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

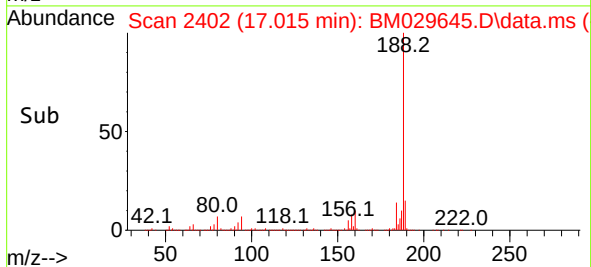
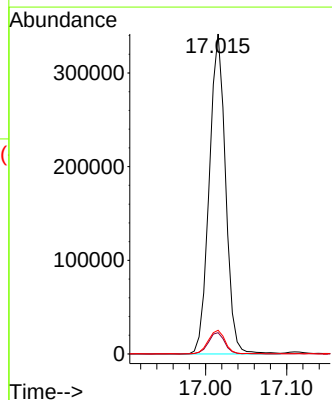
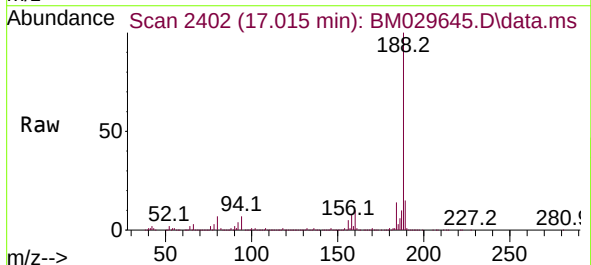
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

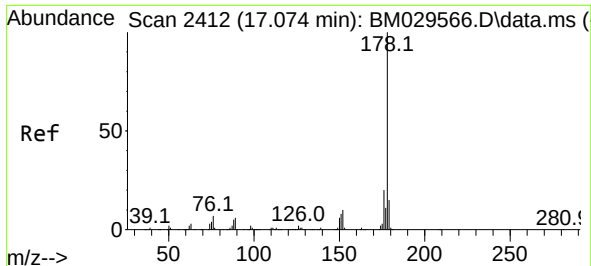
Tgt Ion:138 Resp: 125
Ion Ratio Lower Upper
138 100
92 154.5 33.4 73.4#
108 157.2 75.5 115.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.015 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:188 Resp: 476110
Ion Ratio Lower Upper
188 100
94 6.7 6.0 9.0
80 7.4 6.6 9.8

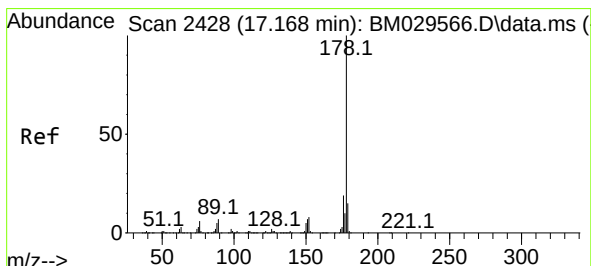
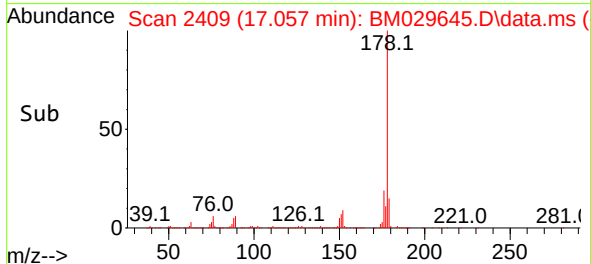
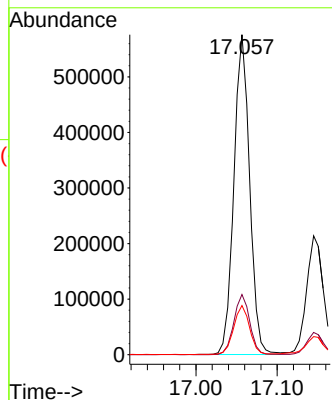
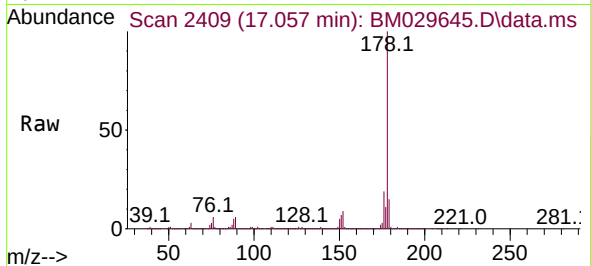




#71
Phenanthrene
Concen: 28.24 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

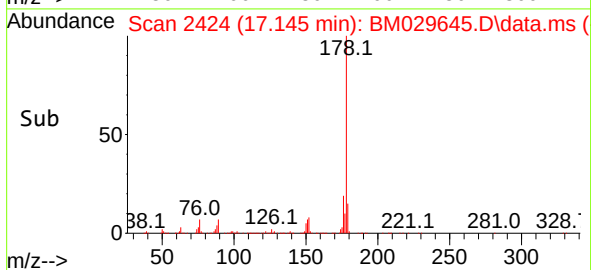
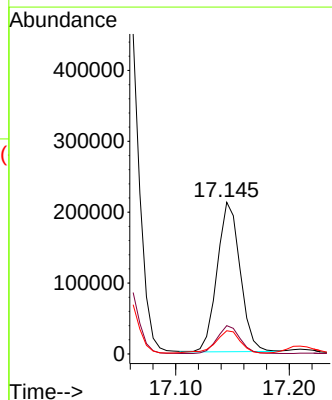
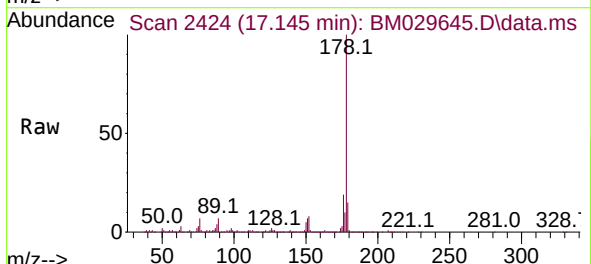
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

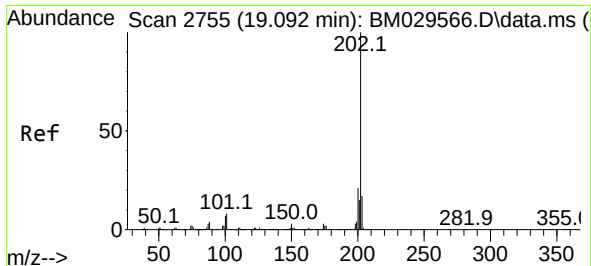
Tgt Ion:178 Resp: 774249
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.2 18.4



#72
Anthracene
Concen: 11.01 ng
RT: 17.145 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:178 Resp: 297870
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.3 12.5 18.7

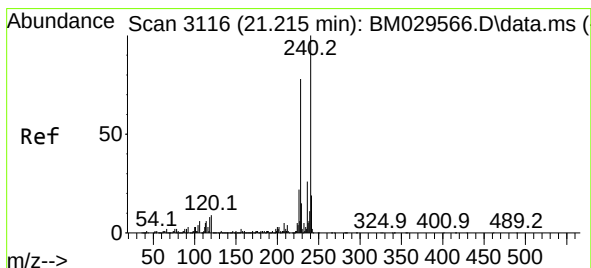
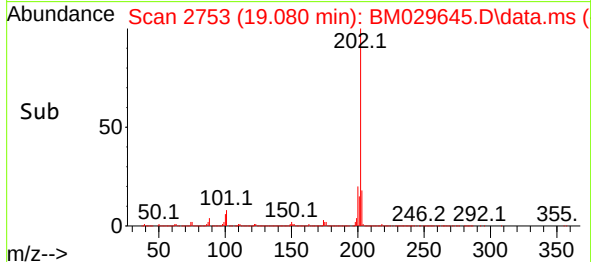
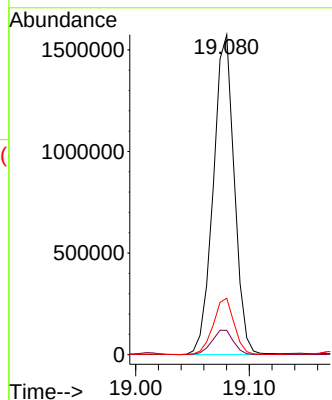
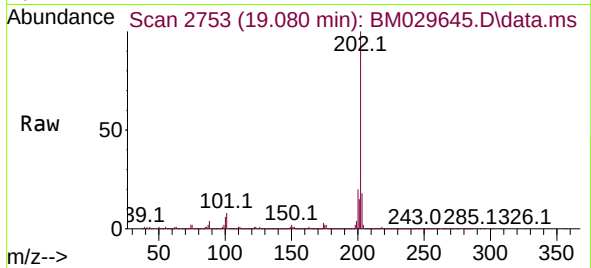




#75
Fluoranthene
Concen: 60.91 ng
RT: 19.080 min Scan# 2753
Delta R.T. -0.000 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

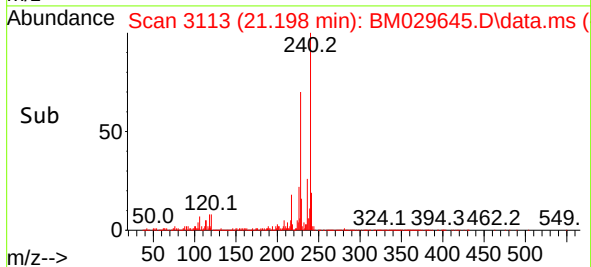
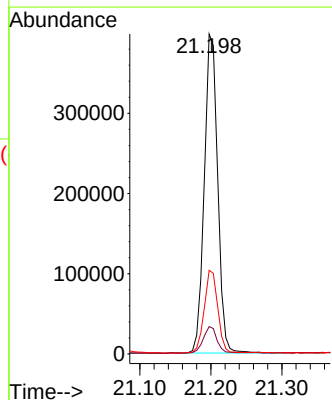
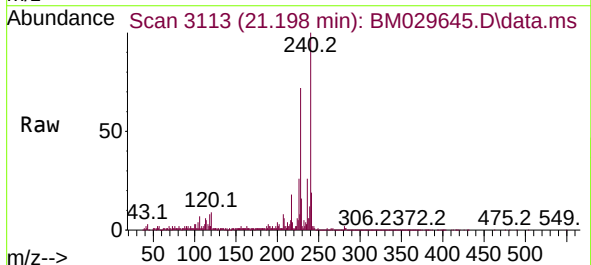
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

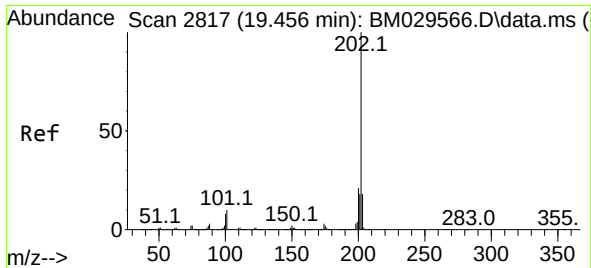
Tgt Ion:202 Resp: 2024828
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.6
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.198 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:240 Resp: 523322
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 26.1 21.0 31.4

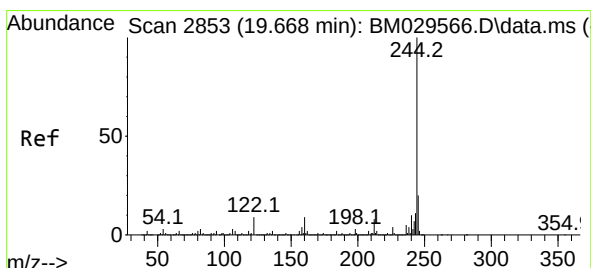
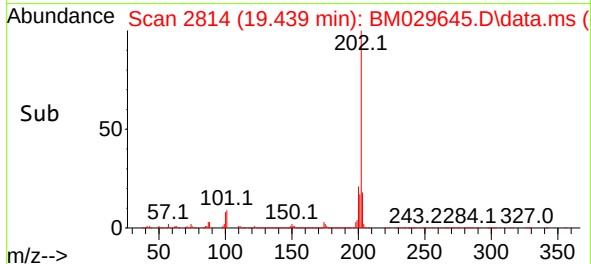
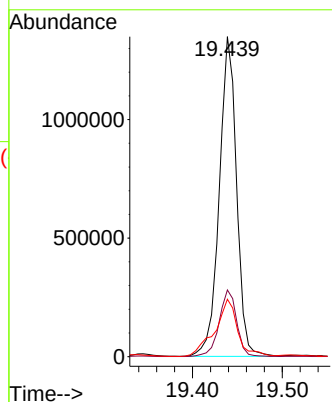
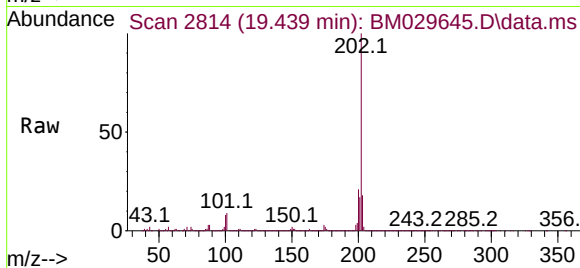




#78
Pyrene
Concen: 53.62 ng
RT: 19.439 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

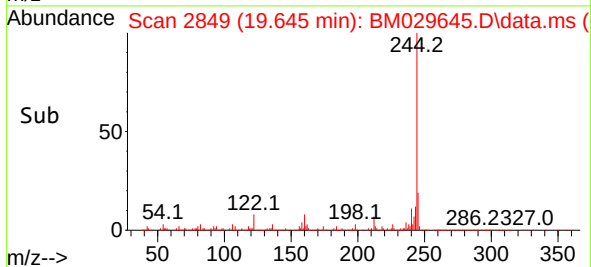
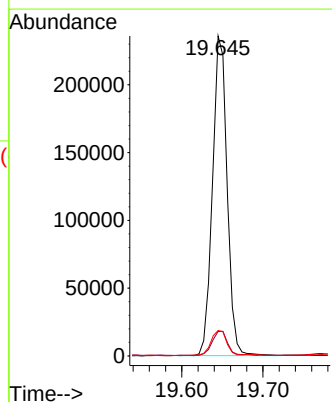
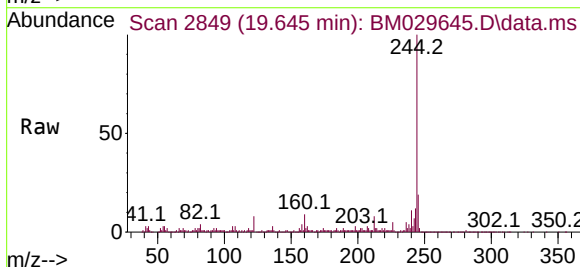
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

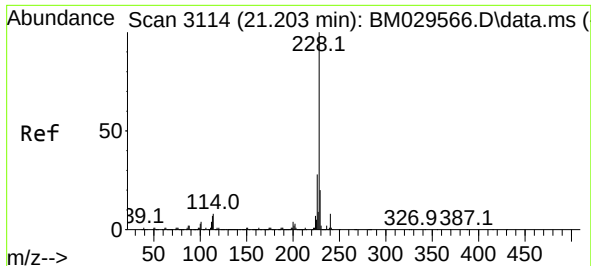
Tgt Ion:202 Resp: 1805235
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 17.9 13.9 20.9



#79
Terphenyl-d14
Concen: 10.66 ng
RT: 19.645 min Scan# 2849
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:244 Resp: 294331
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 8.0 6.9 10.3

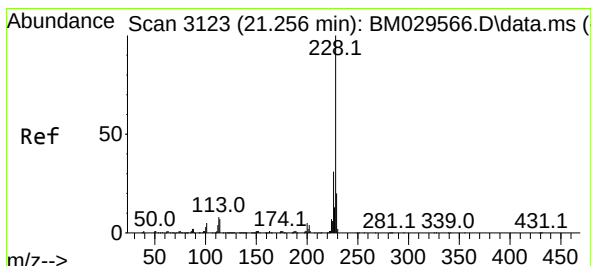
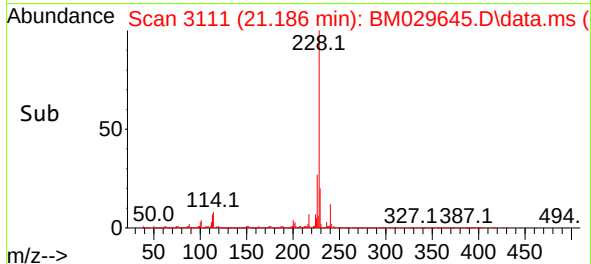
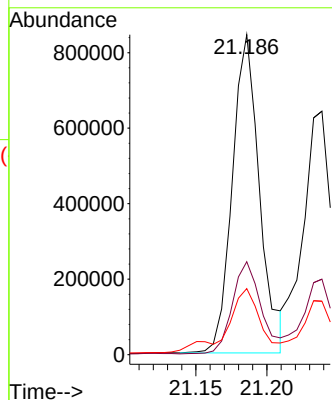
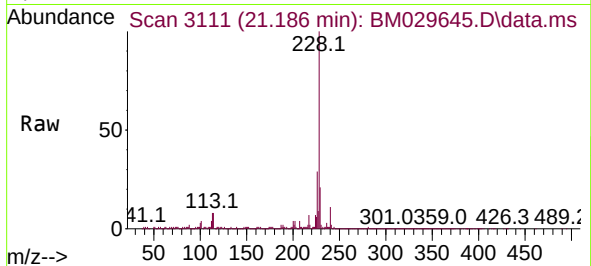




#81
Benzo(a)anthracene
Concen: 32.39 ng
RT: 21.186 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

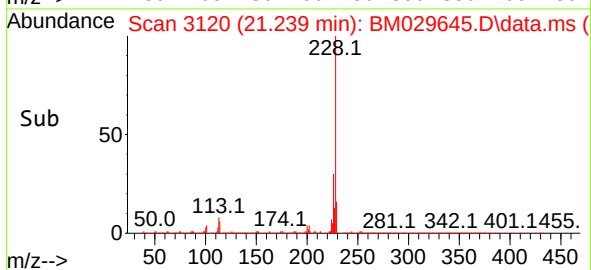
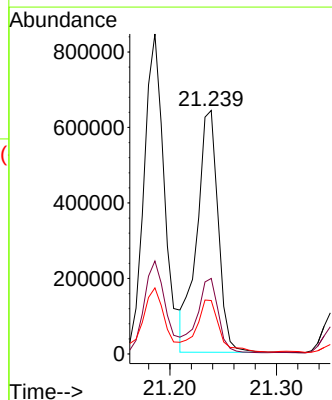
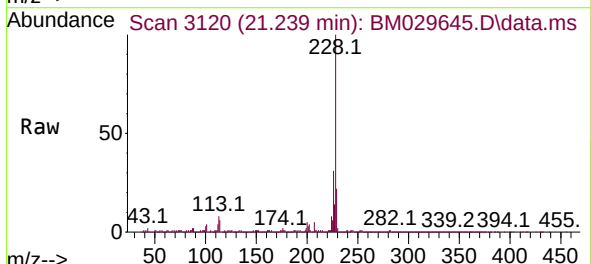
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

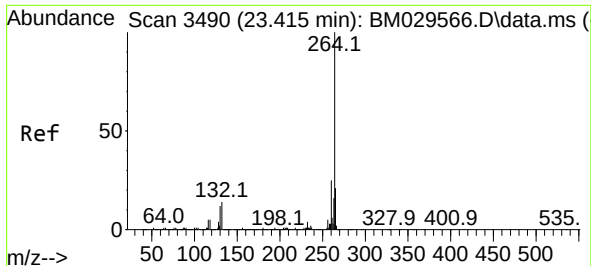
Tgt Ion:228 Resp: 1121315
Ion Ratio Lower Upper
228 100
226 29.1 22.3 33.5
229 20.6 15.7 23.5



#83
Chrysene
Concen: 26.19 ng
RT: 21.239 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:228 Resp: 890909
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 22.0 15.5 23.3

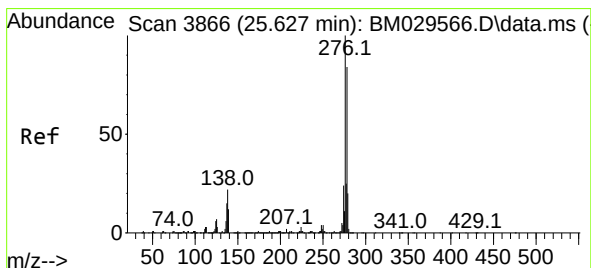
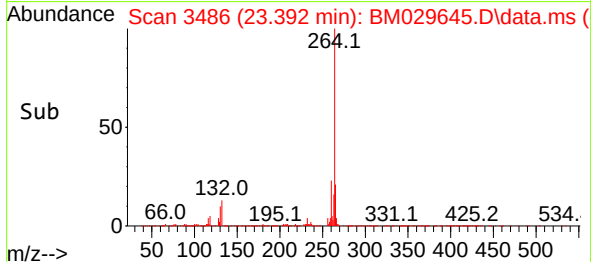
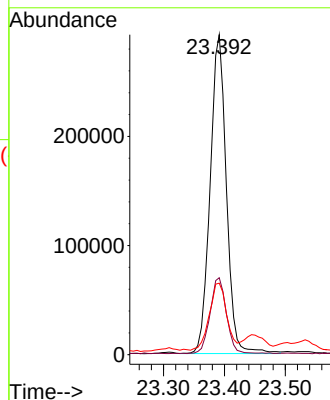
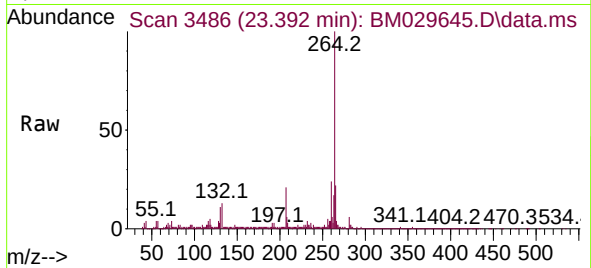




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.392 min Scan# 3486
Delta R.T. -0.000 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

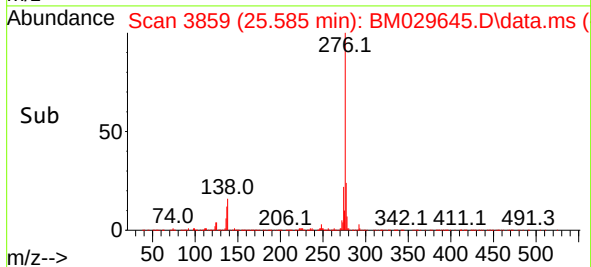
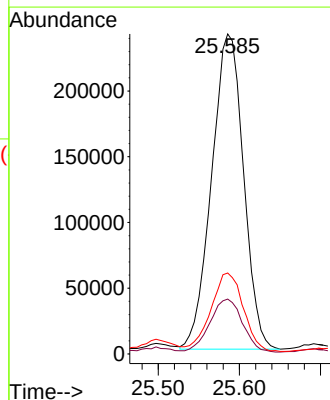
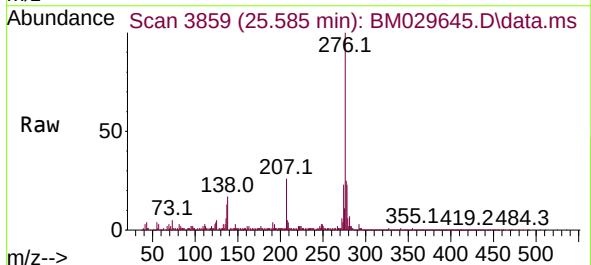
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

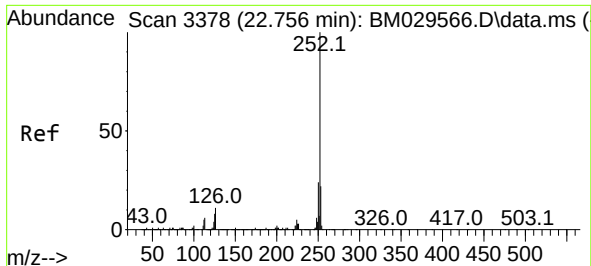
Tgt Ion:264 Resp: 540920
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.8
265 22.4 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.67 ng
RT: 25.585 min Scan# 3859
Delta R.T. -0.012 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:276 Resp: 655263
Ion Ratio Lower Upper
276 100
138 17.2 17.1 25.7
277 25.4 20.3 30.5

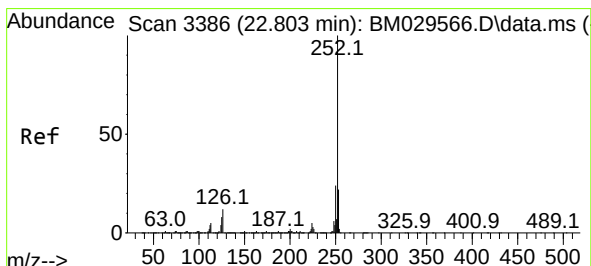
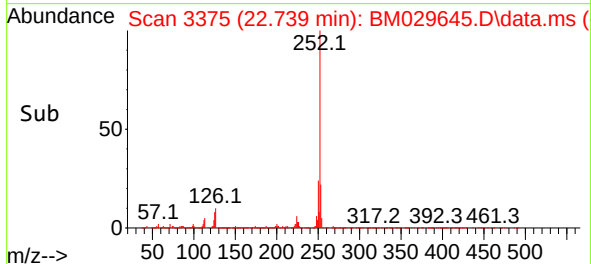
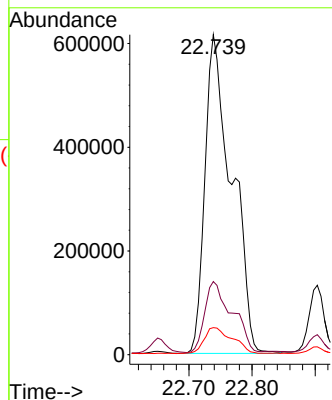
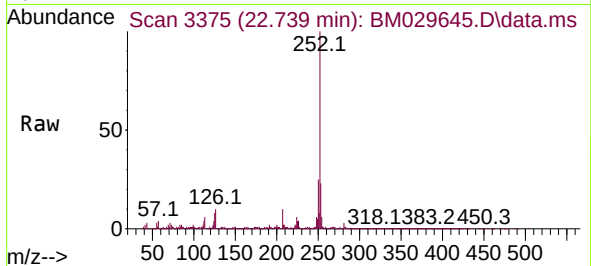




#88
Benzo(b)fluoranthene
Concen: 51.43 ng
RT: 22.739 min Scan# 3375
Delta R.T. -0.000 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

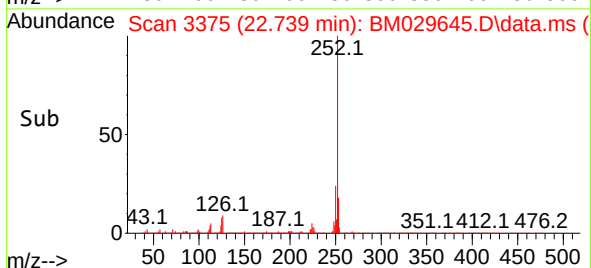
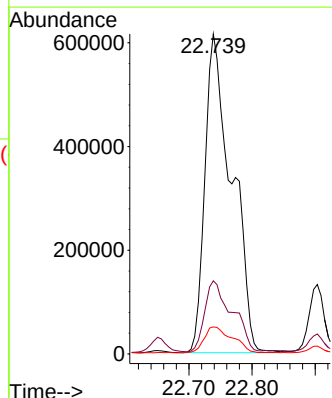
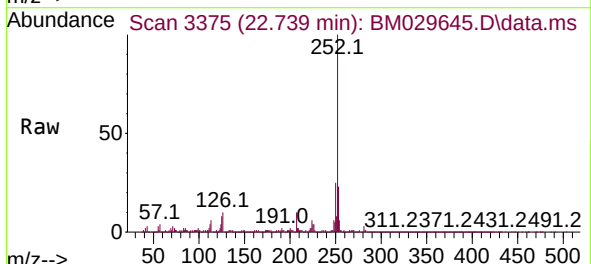
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

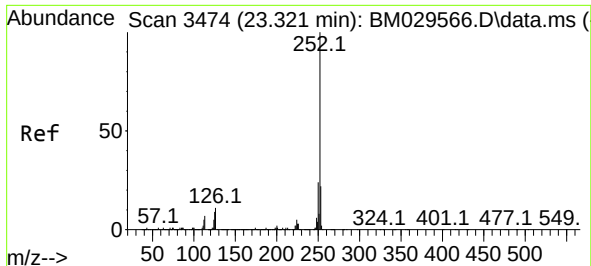
Tgt Ion:252 Resp: 1814187
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 8.5 6.8 10.2



#89
Benzo(k)fluoranthene
Concen: 51.32 ng
RT: 22.739 min Scan# 3375
Delta R.T. -0.047 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:252 Resp: 1814187
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 8.5 6.2 9.2

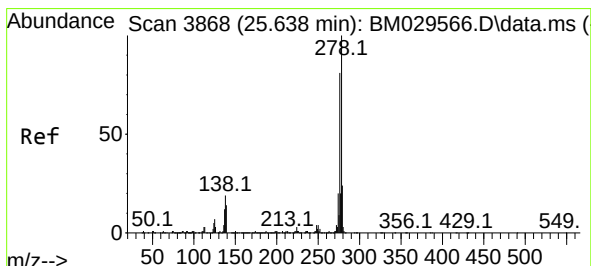
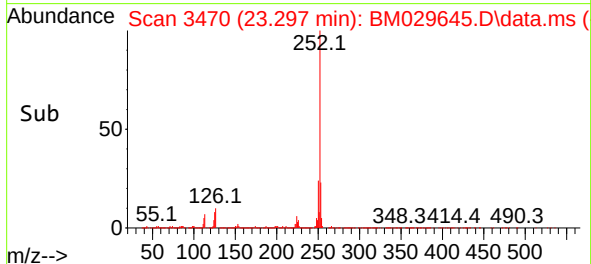
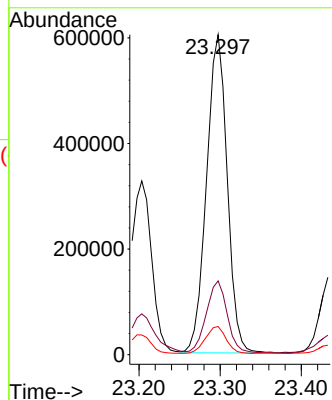
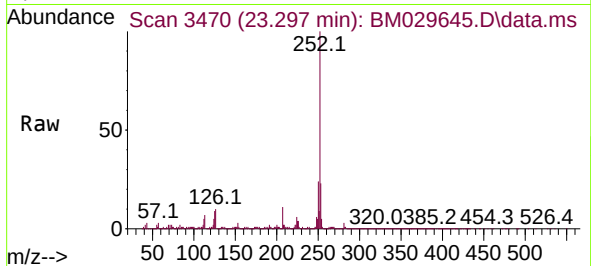




#90
Benzo(a)pyrene
Concen: 32.22 ng
RT: 23.297 min Scan# 3470
Delta R.T. -0.000 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

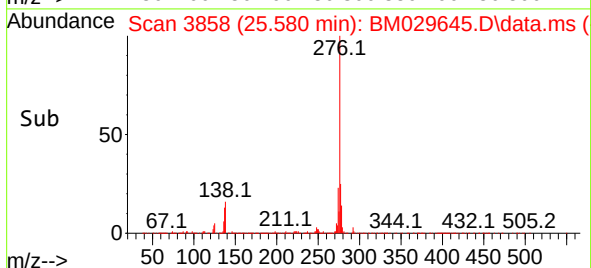
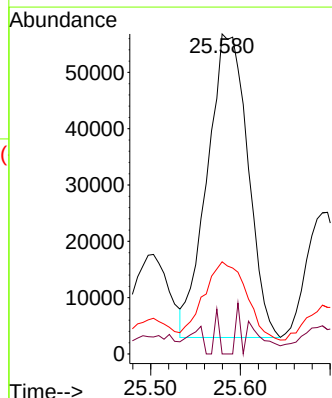
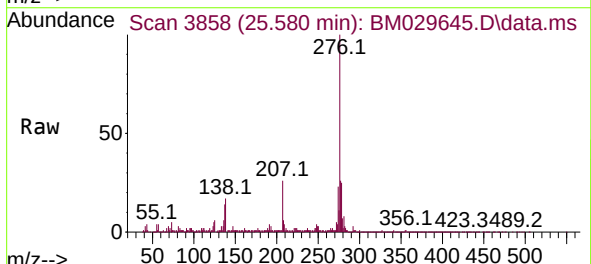
Instrument :
BNA_M
ClientSampleId :
SU-02-042221

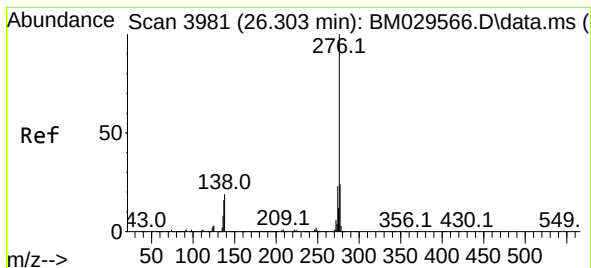
Tgt Ion:252 Resp: 1067103
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 8.8 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 4.68 ng
RT: 25.580 min Scan# 3858
Delta R.T. -0.029 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Tgt Ion:278 Resp: 168857
Ion Ratio Lower Upper
278 100
139 0.0 11.0 16.4#
279 28.8 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 18.30 ng
RT: 26.262 min Scan# 3974
Delta R.T. -0.006 min
Lab File: BM029645.D
Acq: 24 Apr 2021 19:44

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Tgt Ion:276 Resp: 610348
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.2
138 17.4 14.4 21.6

