

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
 Data File : BM029665.D
 Acq On : 27 Apr 2021 00:27
 Operator : CG/JU
 Sample : M2170-18 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 STOCKPILE-COMP-4

Quant Time: Apr 27 01:34:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 15:01:01 2021
 Response via : Initial Calibration

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

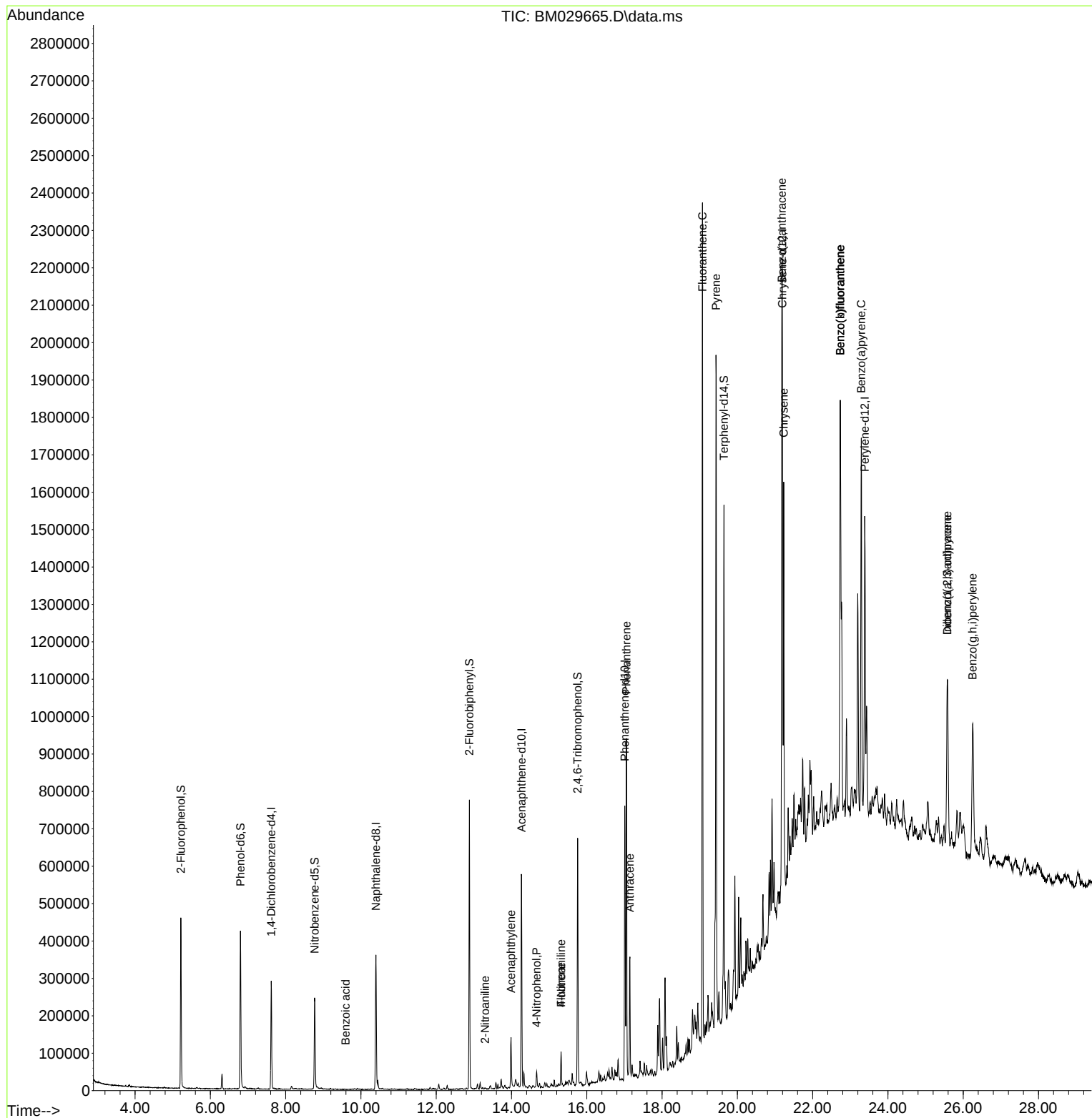
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	78764	20.00	ng	0.00
21) Naphthalene-d8	10.398	136	293493	20.00	ng	0.00
39) Acenaphthene-d10	14.268	164	197535	20.00	ng	0.00
64) Phenanthrene-d10	17.009	188	434760	20.00	ng	0.00
76) Chrysene-d12	21.197	240	495273	20.00	ng	0.00
86) Perylene-d12	23.385	264	520729	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.216	112	185739	47.28	ng	0.00
7) Phenol-d6	6.798	99	228059	38.86	ng	0.00
23) Nitrobenzene-d5	8.769	82	149798	26.29	ng	0.00
42) 2,4,6-Tribromophenol	15.757	330	111140	40.68	ng	0.00
45) 2-Fluorobiphenyl	12.880	172	399284	27.43	ng	0.00
79) Terphenyl-d14	19.645	244	599809	22.96	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.592	122	61	7.23	ng	# 1
48) 2-Nitroaniline	13.298	65	59	2.88	ng	# 4
49) Acenaphthylene	13.986	152	105257	5.94	ng	98
56) 4-Nitrophenol	14.668	139	7608	3.13	ng	# 6
58) Fluorene	15.315	166	39098	2.48	ng	95
62) 4-Nitroaniline	15.315	138	524	3.60	ng	# 10
71) Phenanthrene	17.051	178	546225	21.82	ng	99
72) Anthracene	17.145	178	206771	8.37	ng	99
75) Fluoranthene	19.074	202	1298660	42.78	ng	98
78) Pyrene	19.433	202	1138517	35.73	ng	98
81) Benzo(a)anthracene	21.180	228	715592	21.84	ng	96
83) Chrysene	21.233	228	595895	18.51	ng	97
87) Indeno(1,2,3-cd)pyrene	25.579	276	434416	10.79	ng	# 95
88) Benzo(b)fluoranthene	22.733	252	1213913	35.75	ng	97
89) Benzo(k)fluoranthene	22.733	252	1213913	35.67	ng	96
90) Benzo(a)pyrene	23.291	252	666010	20.89	ng	98
91) Dibenzo(a,h)anthracene	25.579	278	110312	3.18	ng	# 76
92) Benzo(g,h,i)perylene	26.250	276	412963	12.86	ng	99

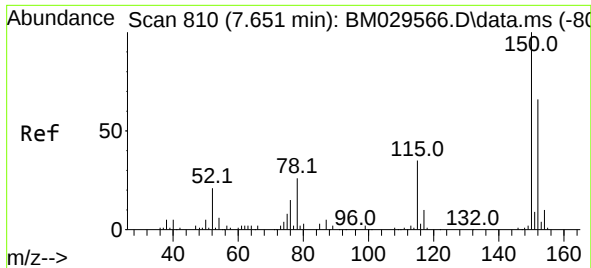
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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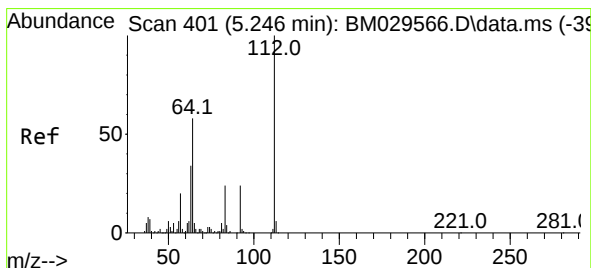
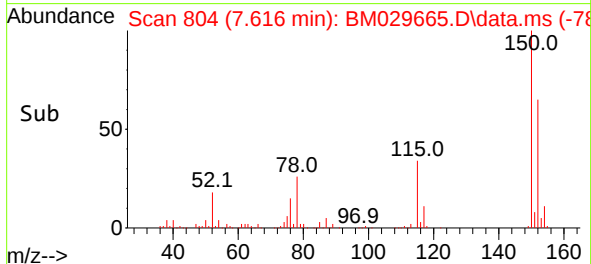
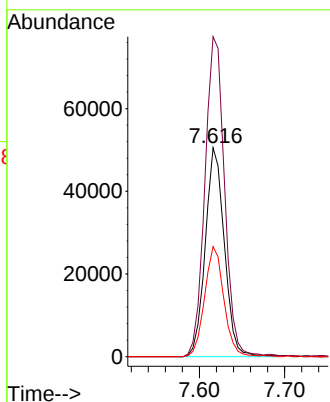
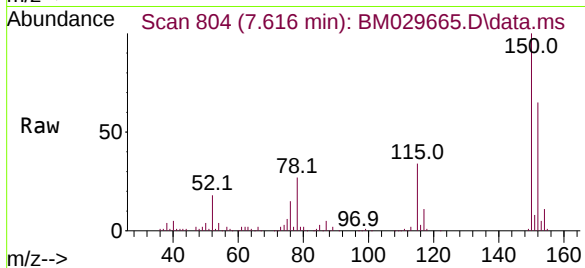




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.616 min Scan# 804
Delta R.T. -0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

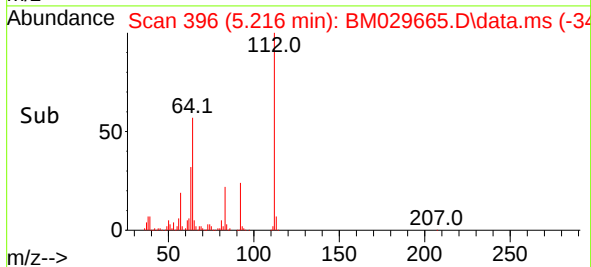
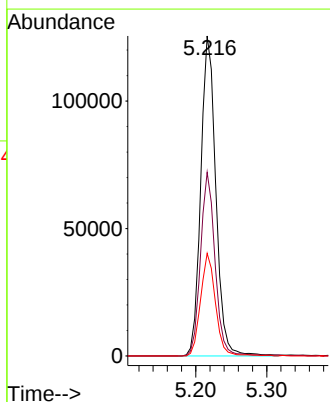
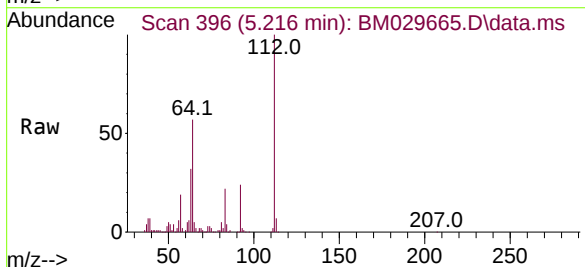
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

Tgt Ion:152 Resp: 78764
Ion Ratio Lower Upper
152 100
150 153.1 125.9 188.9
115 52.7 44.6 67.0



#5
2-Fluorophenol
Concen: 47.28 ng
RT: 5.216 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:112 Resp: 185739
Ion Ratio Lower Upper
112 100
64 57.4 47.1 70.7
63 32.1 27.3 40.9

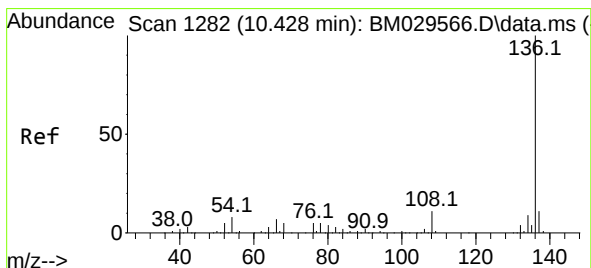
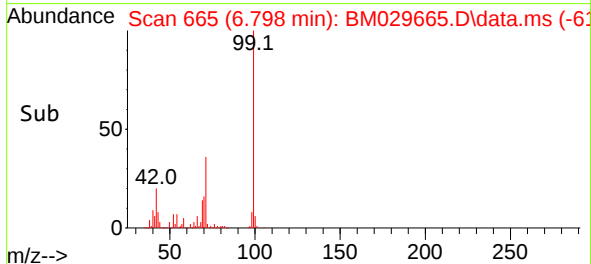
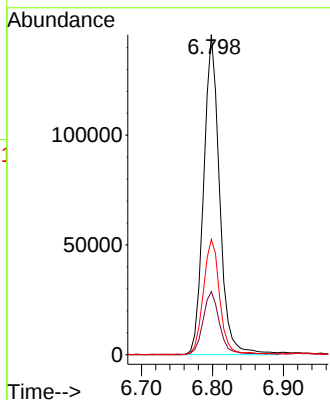
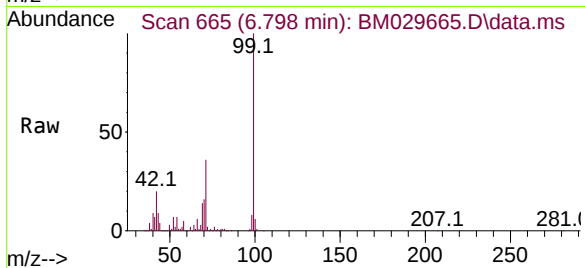




#7
Phenol-d6
Concen: 38.86 ng
RT: 6.798 min Scan# 665
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

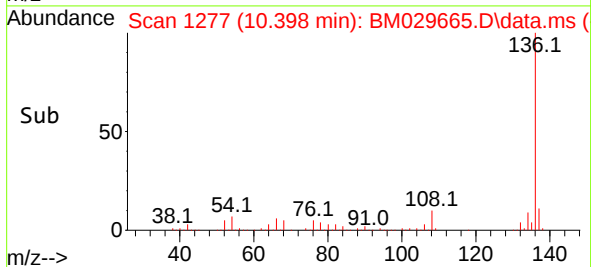
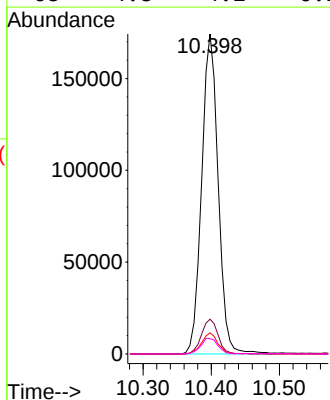
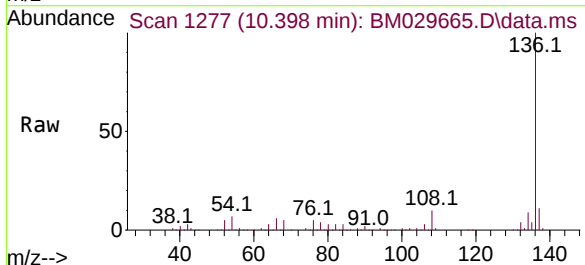
Instrument :
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ClientSampleId :
STOCKPILE-COMP-4

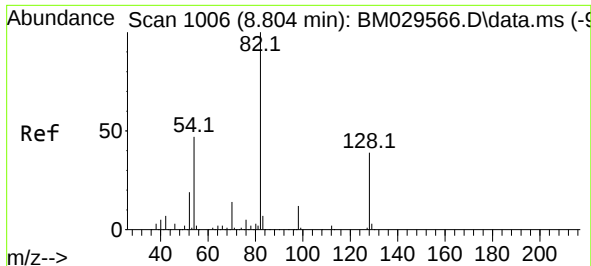
Tgt Ion: 99 Resp: 228059
Ion Ratio Lower Upper
99 100
42 19.7 18.0 27.0
71 36.0 30.9 46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.398 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion: 136 Resp: 293493
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.6 5.5 8.3
68 4.8 4.2 6.2

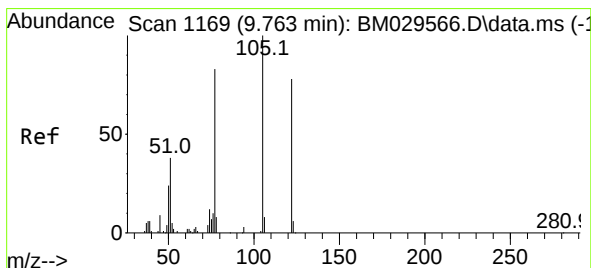
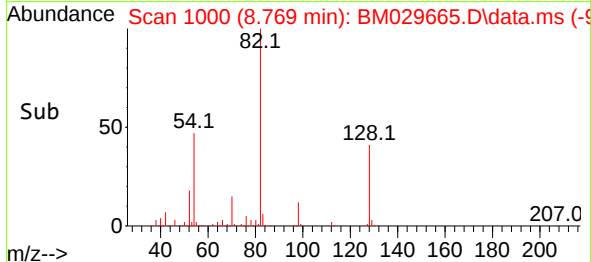
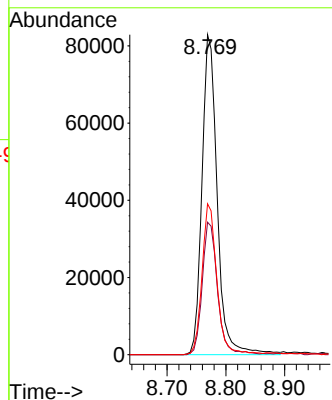
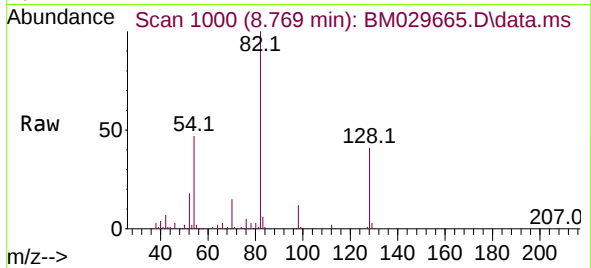




#23
Nitrobenzene-d5
Concen: 26.29 ng
RT: 8.769 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

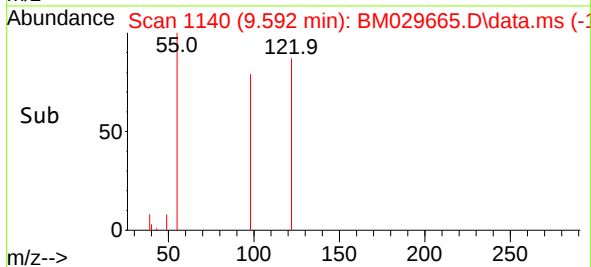
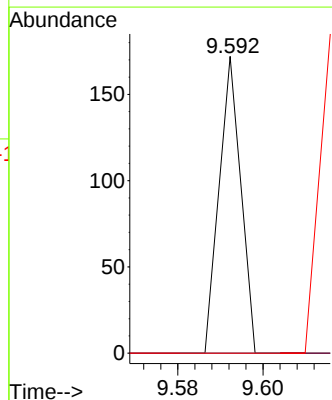
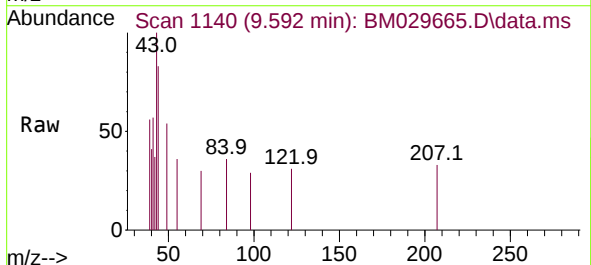
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

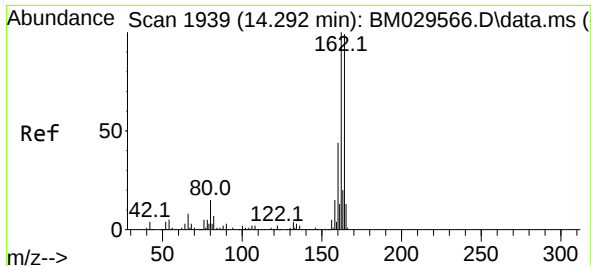
Tgt Ion: 82 Resp: 149798
Ion Ratio Lower Upper
82 100
128 41.4 31.1 46.7
54 47.2 37.3 55.9



#32
Benzoic acid
Concen: 7.23 ng
RT: 9.592 min Scan# 1140
Delta R.T. -0.141 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 107.3 147.3#
77 0.0 88.0 128.0#

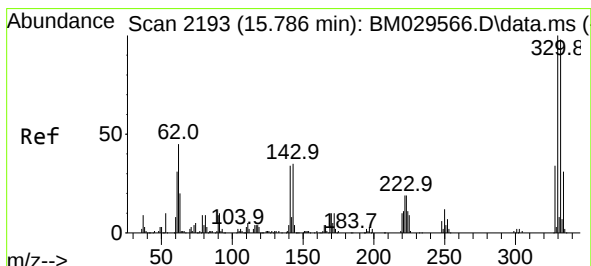
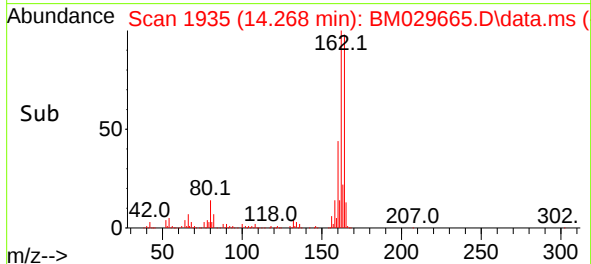
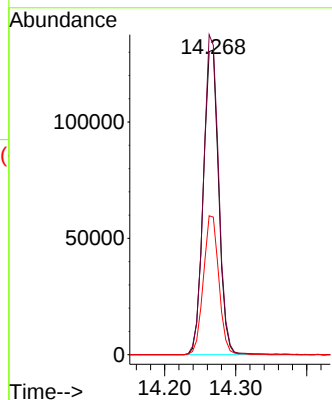
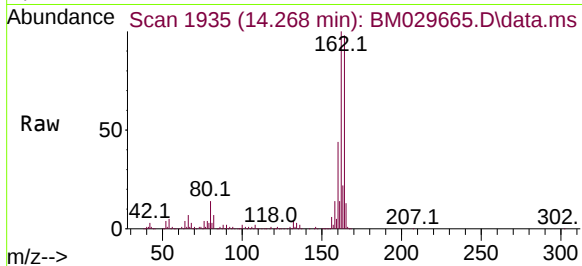




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.268 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

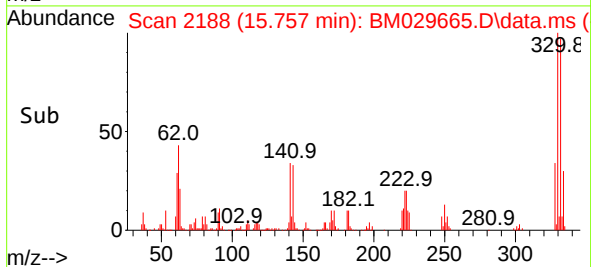
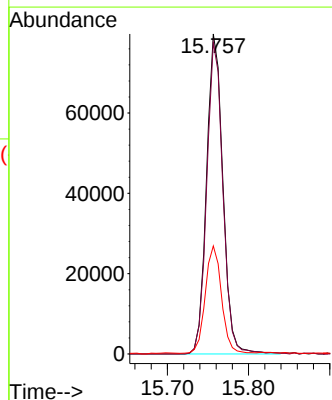
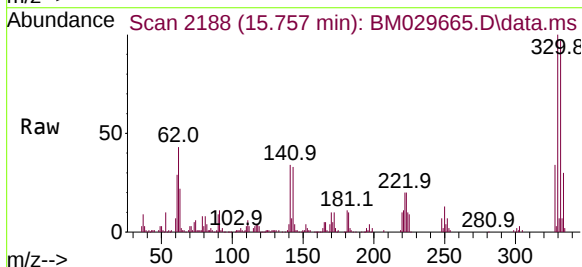
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

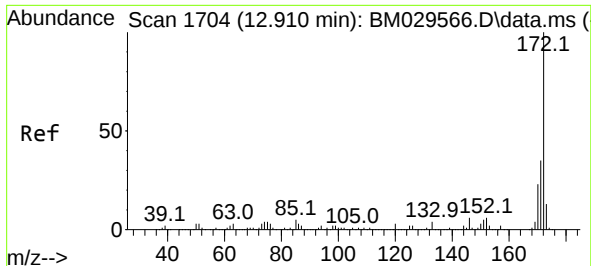
Tgt Ion:164 Resp: 197535
Ion Ratio Lower Upper
164 100
162 101.5 83.4 125.0
160 45.2 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 40.68 ng
RT: 15.757 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:330 Resp: 111140
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 33.4 30.2 45.2

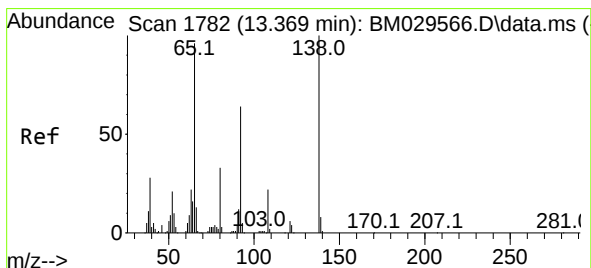
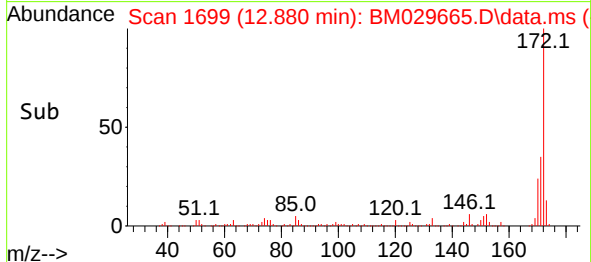
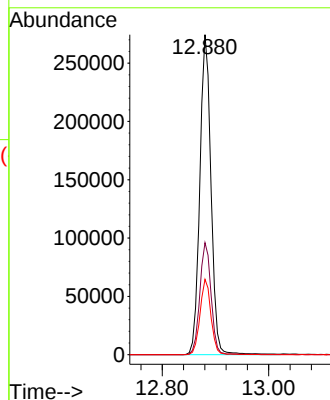
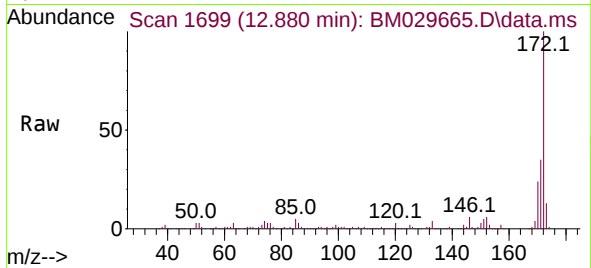




#45
2-Fluorobiphenyl
Concen: 27.43 ng
RT: 12.880 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

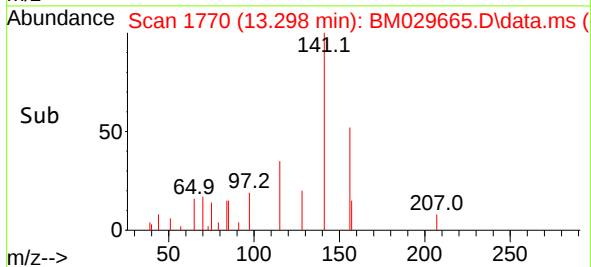
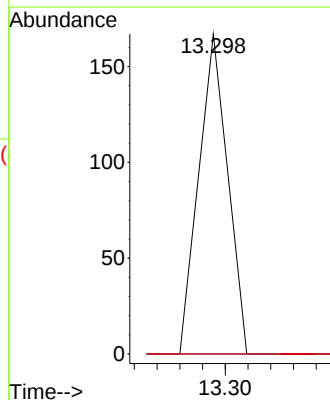
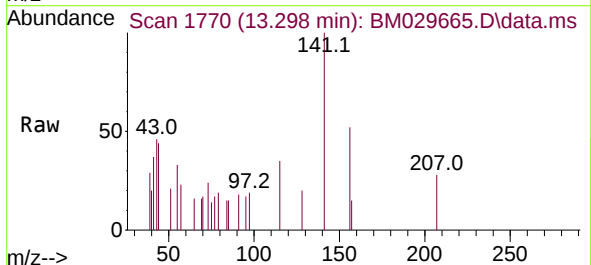
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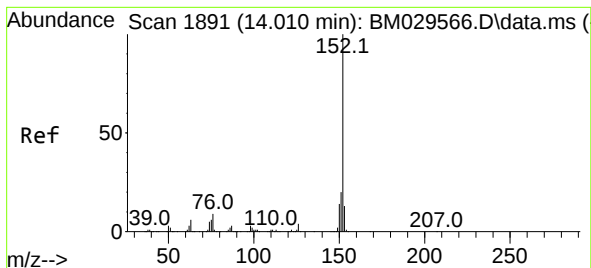
Tgt Ion:172 Resp: 399284
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.6 18.4 27.6



#48
2-Nitroaniline
Concen: 2.88 ng
RT: 13.298 min Scan# 1770
Delta R.T. -0.047 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 85.7 128.5#





#49

Acenaphthylene

Concen: 5.94 ng

RT: 13.986 min Scan# 1887

Delta R.T. -0.000 min

Lab File: BM029665.D

Acq: 27 Apr 2021 00:27

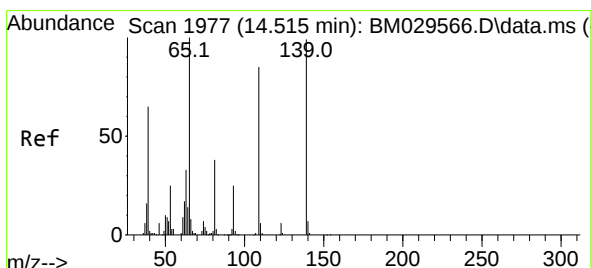
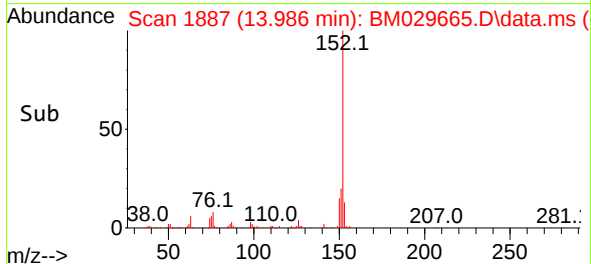
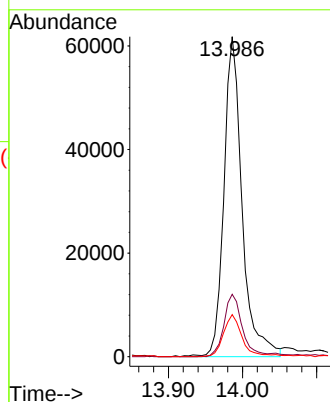
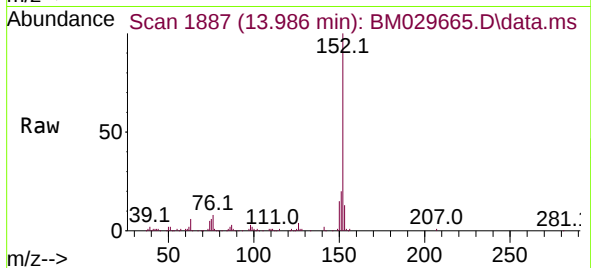
Tgt Ion:152 Resp: 105257

Ion Ratio Lower Upper

152 100

151 19.5 16.3 24.5

153 13.2 10.2 15.4



#56

4-Nitrophenol

Concen: 3.13 ng

RT: 14.668 min Scan# 2003

Delta R.T. 0.170 min

Lab File: BM029665.D

Acq: 27 Apr 2021 00:27

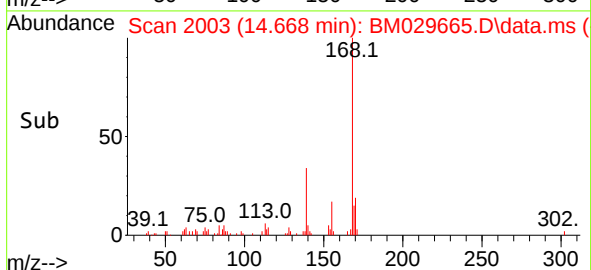
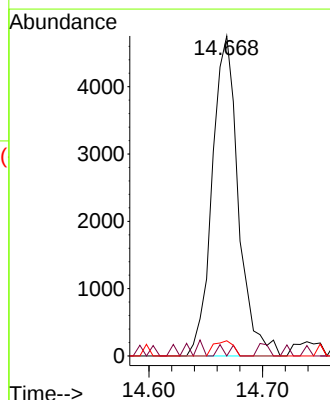
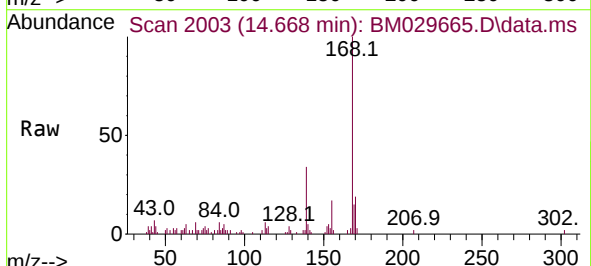
Tgt Ion:139 Resp: 7608

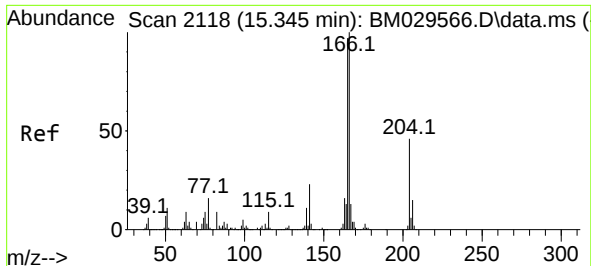
Ion Ratio Lower Upper

139 100

109 0.0 64.5 104.5#

65 4.7 78.9 118.9#

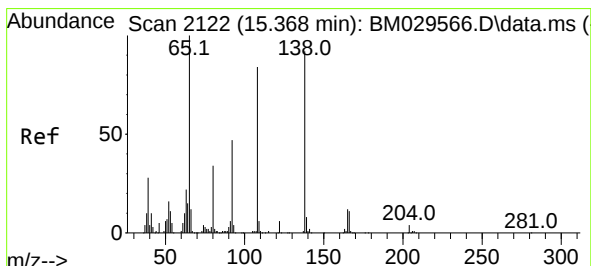
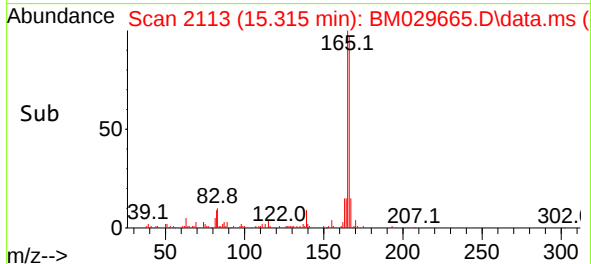
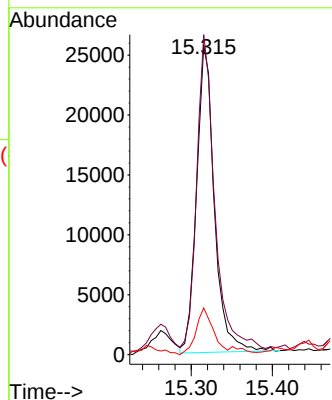
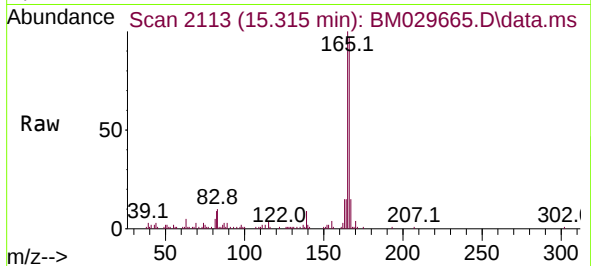




#58
Fluorene
Concen: 2.48 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

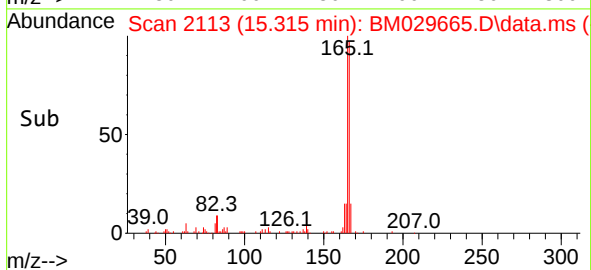
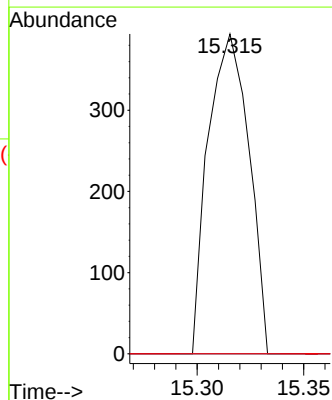
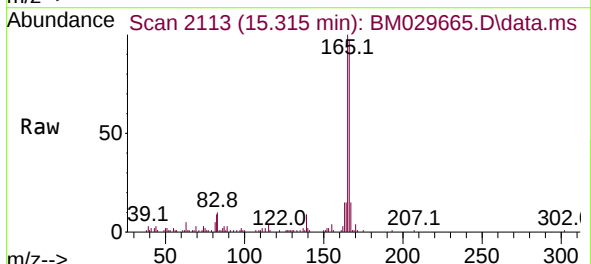
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

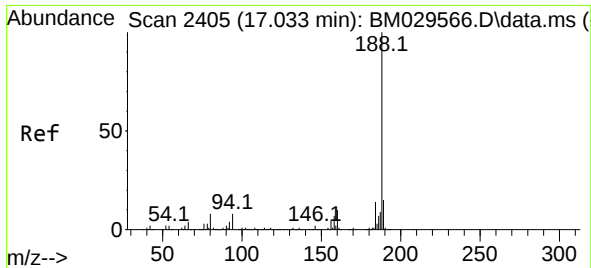
Tgt Ion:166 Resp: 39098
Ion Ratio Lower Upper
166 100
165 103.5 79.0 118.6
167 15.1 10.8 16.2



#62
4-Nitroaniline
Concen: 3.60 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.030 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:138 Resp: 524
Ion Ratio Lower Upper
138 100
92 0.0 33.4 73.4#
108 0.0 75.5 115.5#

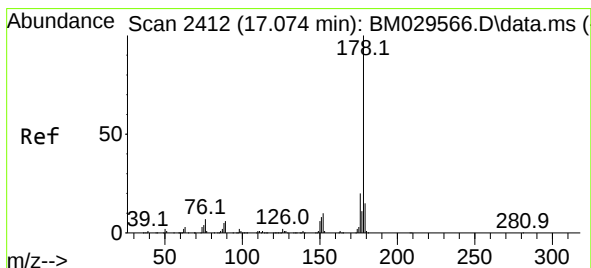
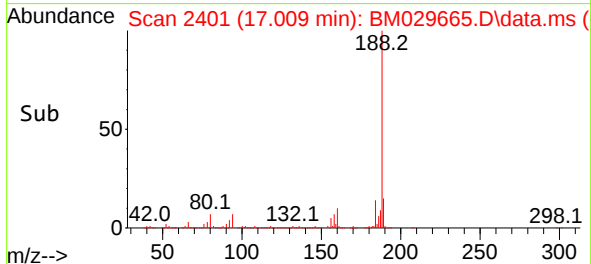
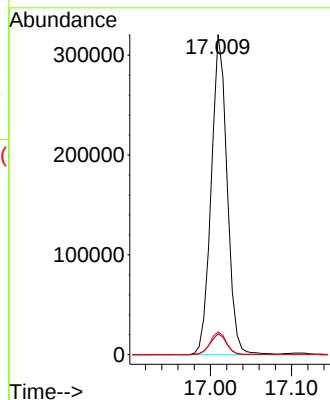
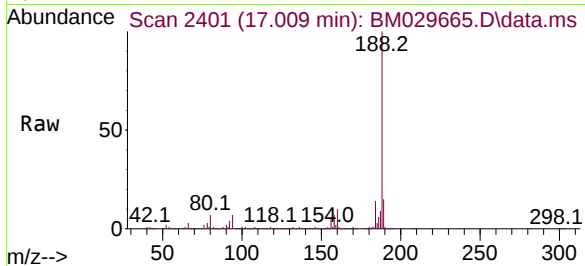




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.009 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

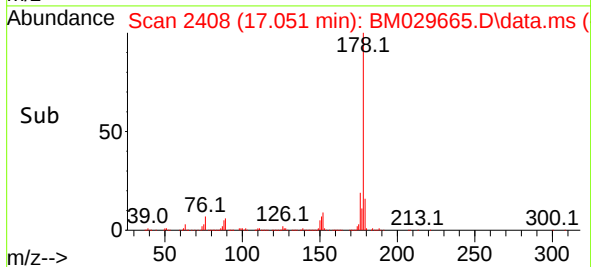
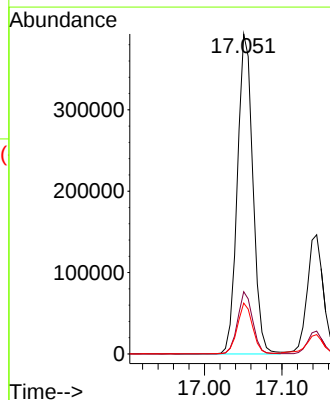
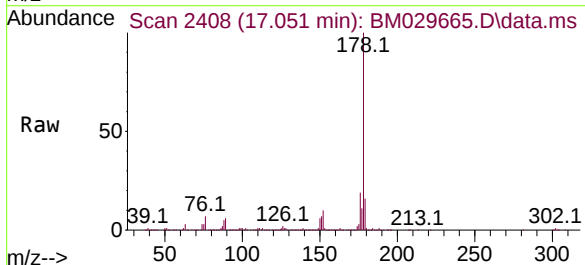
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

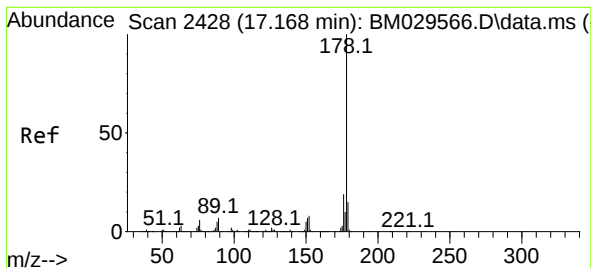
Tgt Ion:188 Resp: 434760
Ion Ratio Lower Upper
188 100
94 6.6 6.0 9.0
80 7.1 6.6 9.8



#71
Phenanthrene
Concen: 21.82 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:178 Resp: 546225
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.9 12.2 18.4

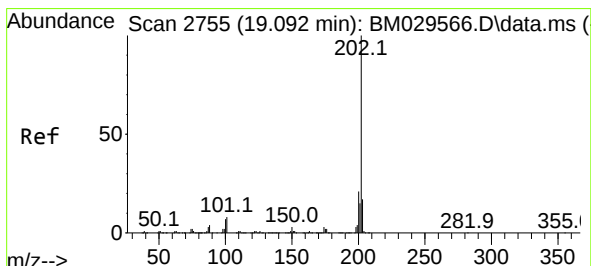
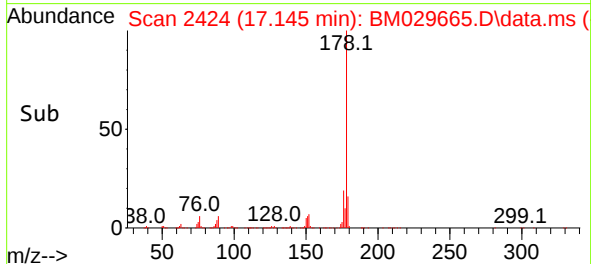
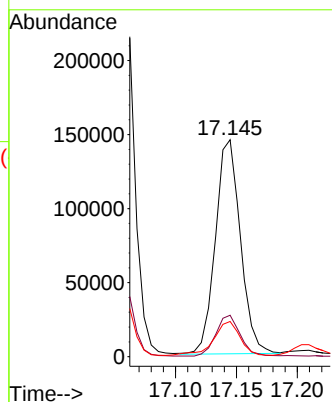
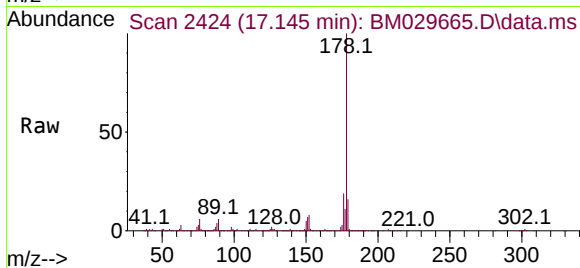




#72
 Anthracene
 Concen: 8.37 ng
 RT: 17.145 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BM029665.D
 Acq: 27 Apr 2021 00:27

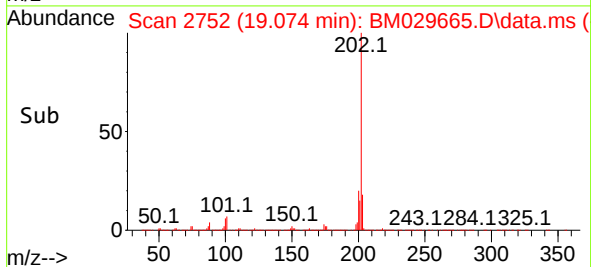
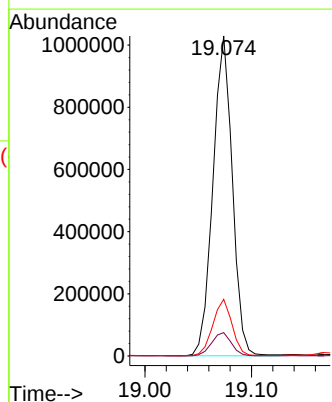
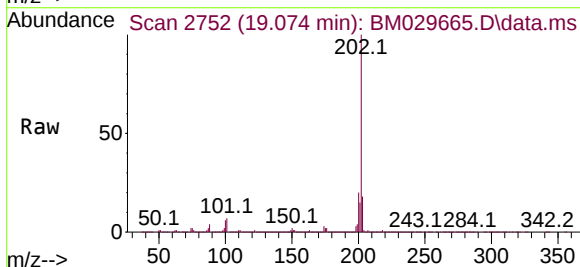
Instrument :
 BNA_M
 ClientSampleId :
 STOCKPILE-COMP-4

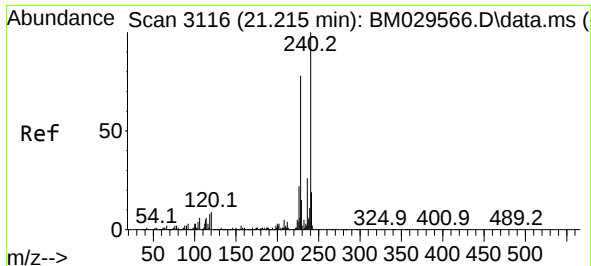
Tgt Ion:178 Resp: 206771
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.4
 179 16.2 12.5 18.7



#75
 Fluoranthene
 Concen: 42.78 ng
 RT: 19.074 min Scan# 2752
 Delta R.T. -0.000 min
 Lab File: BM029665.D
 Acq: 27 Apr 2021 00:27

Tgt Ion:202 Resp: 1298660
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 28.6
 203 17.7 0.0 37.3

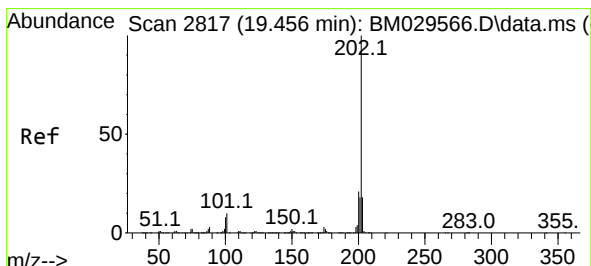
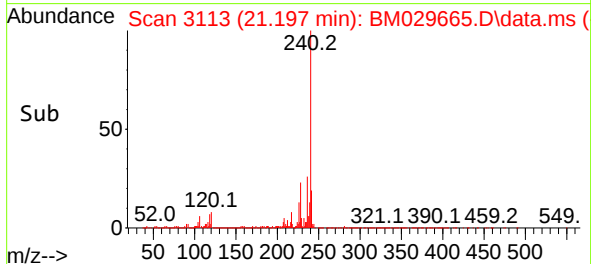
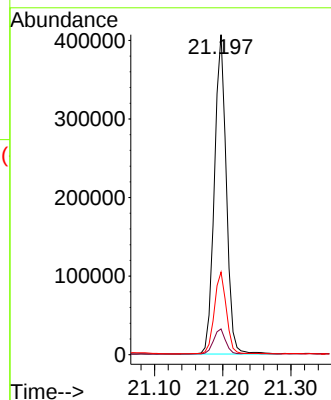
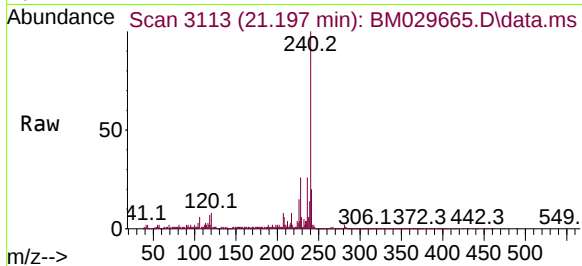




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.197 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

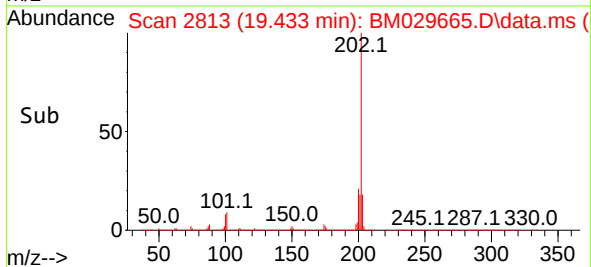
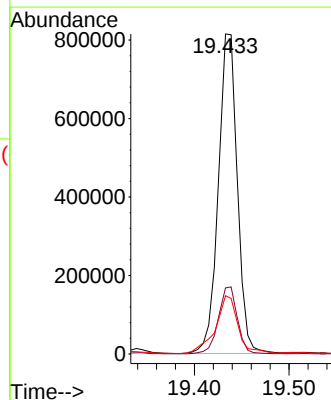
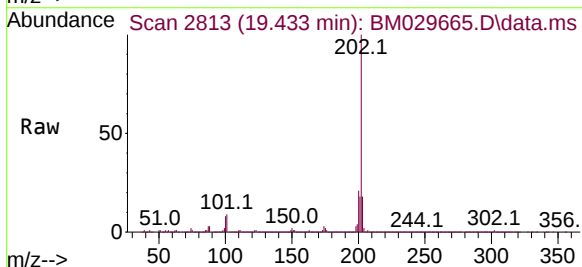
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

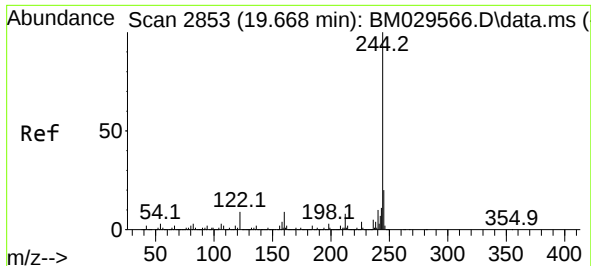
Tgt Ion:240 Resp: 495273
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 25.8 21.0 31.4



#78
Pyrene
Concen: 35.73 ng
RT: 19.433 min Scan# 2813
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:202 Resp: 1138517
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 18.2 13.9 20.9

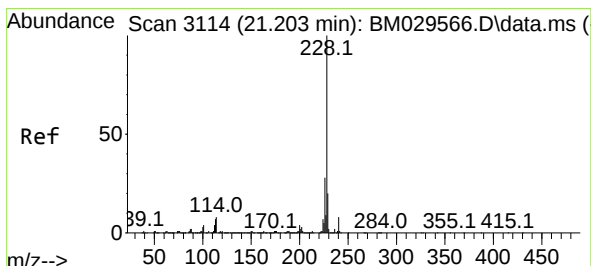
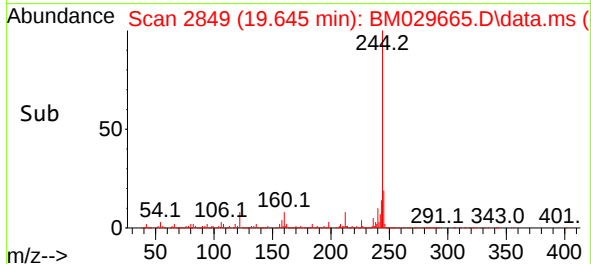
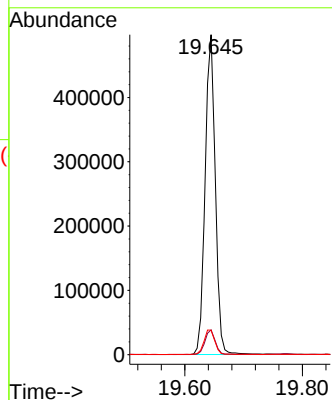
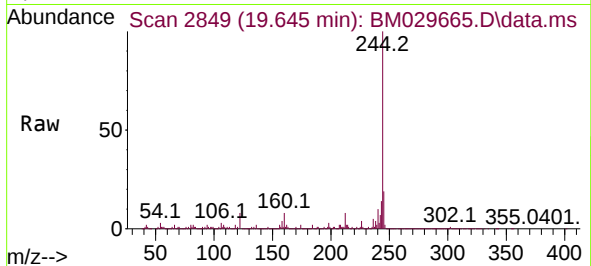




#79
 Terphenyl-d14
 Concen: 22.96 ng
 RT: 19.645 min Scan# 2849
 Delta R.T. -0.000 min
 Lab File: BM029665.D
 Acq: 27 Apr 2021 00:27

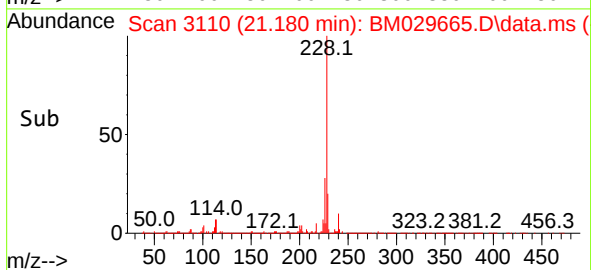
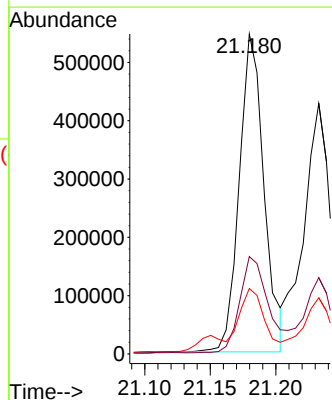
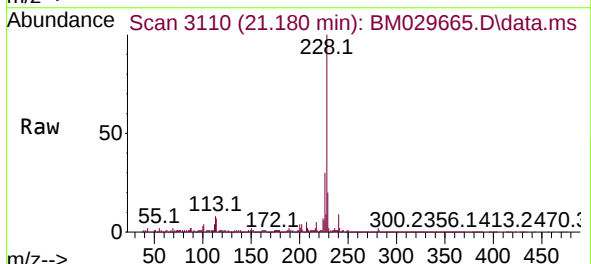
Instrument :
 BNA_M
 ClientSampleId :
 STOCKPILE-COMP-4

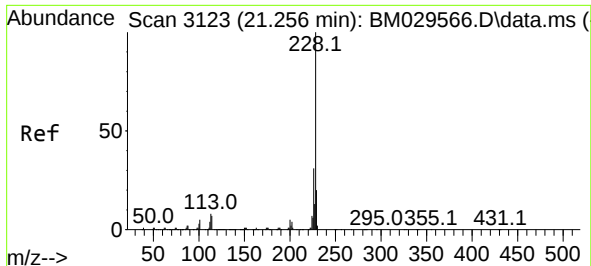
Tgt Ion:244 Resp: 599809
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.7 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 21.84 ng
 RT: 21.180 min Scan# 3110
 Delta R.T. -0.000 min
 Lab File: BM029665.D
 Acq: 27 Apr 2021 00:27

Tgt Ion:228 Resp: 715592
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.3 33.5
 229 20.5 15.7 23.5

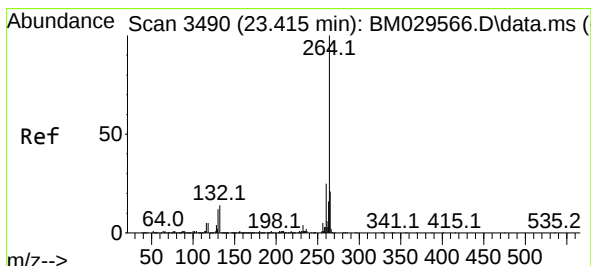
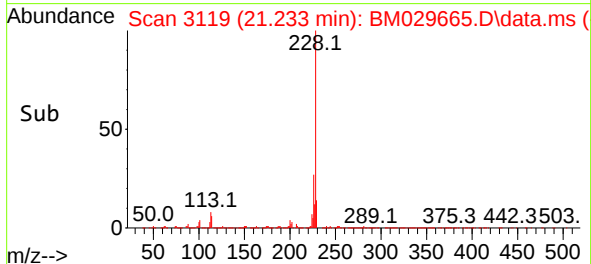
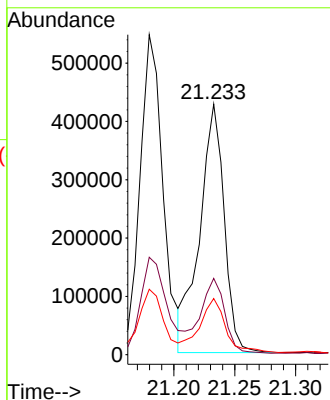
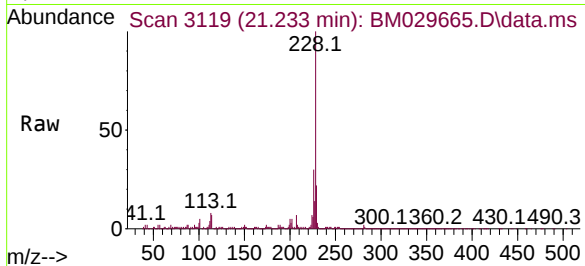




#83
Chrysene
Concen: 18.51 ng
RT: 21.233 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

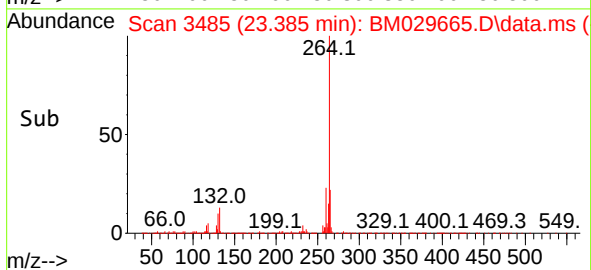
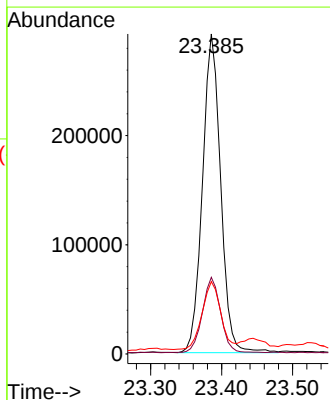
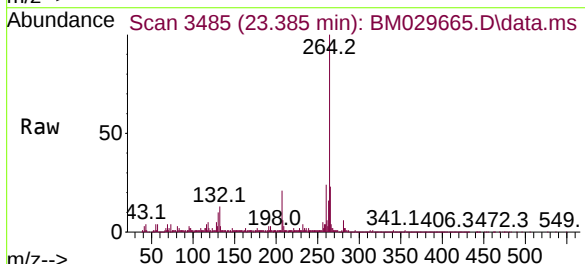
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

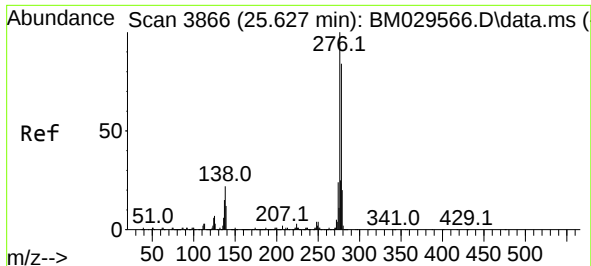
Tgt Ion:228	Resp: 595895
Ion Ratio	Lower Upper
228 100	
226 30.5	24.6 36.8
229 22.4	15.5 23.3



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.385 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:264	Resp: 520729
Ion Ratio	Lower Upper
264 100	
260 24.0	19.8 29.8
265 22.6	17.7 26.5

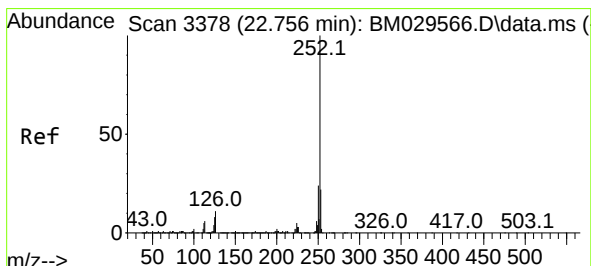
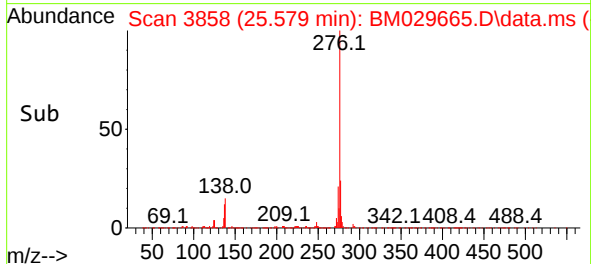
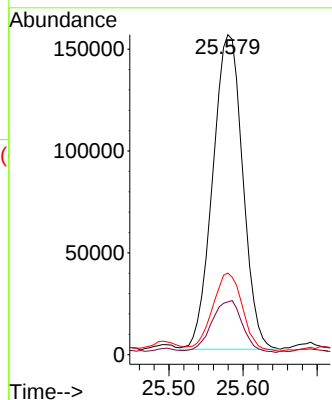
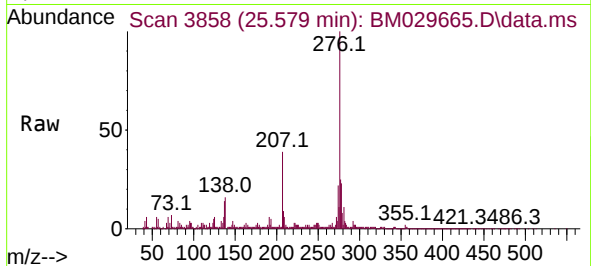




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.79 ng
RT: 25.579 min Scan# 3858
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

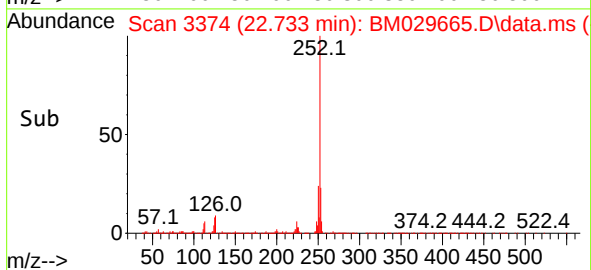
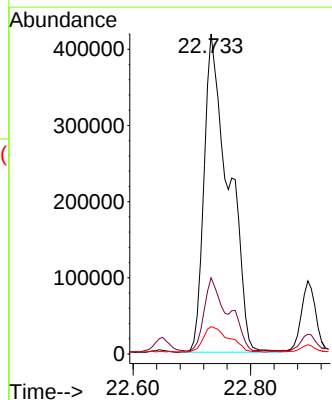
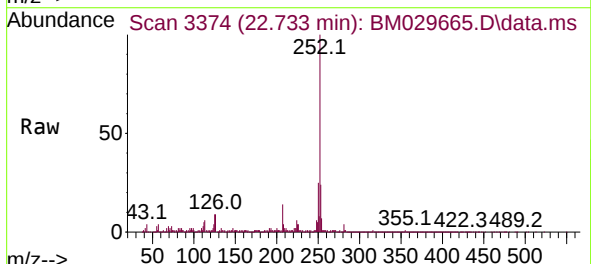
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

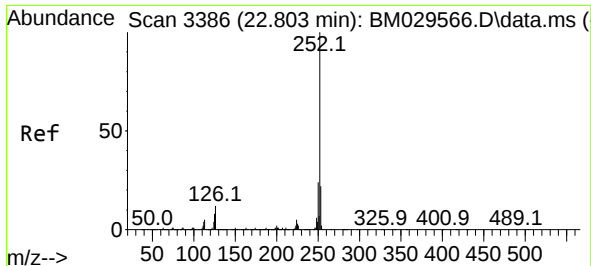
Tgt Ion:276 Resp: 434416
Ion Ratio Lower Upper
276 100
138 16.9 17.1 25.7#
277 25.0 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 35.75 ng
RT: 22.733 min Scan# 3374
Delta R.T. 0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:252 Resp: 1213913
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 8.5 6.8 10.2

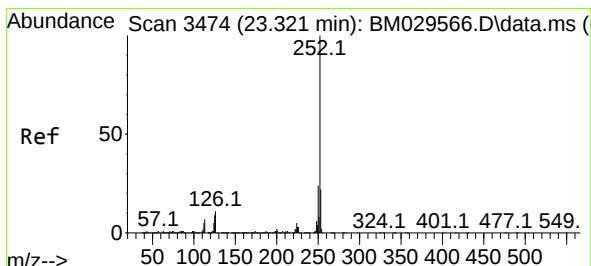
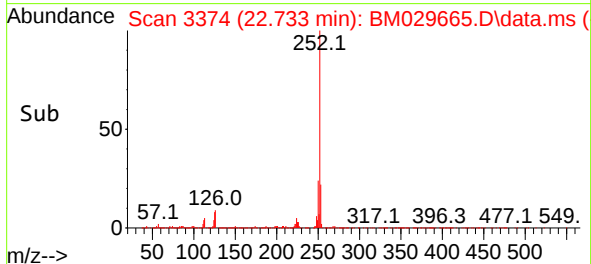
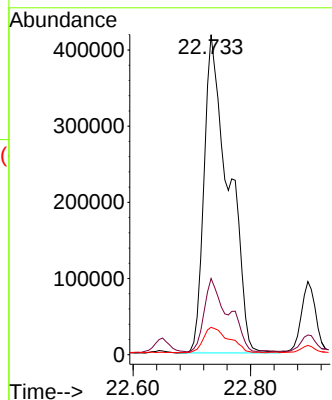
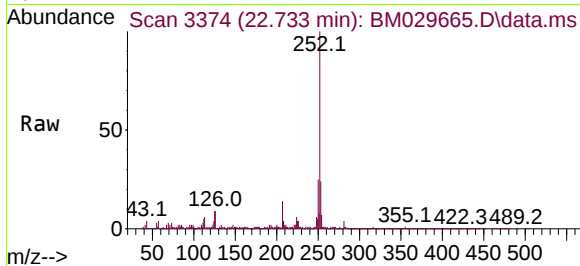




#89
Benzo(k)fluoranthene
Concen: 35.67 ng
RT: 22.733 min Scan# 3374
Delta R.T. -0.041 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

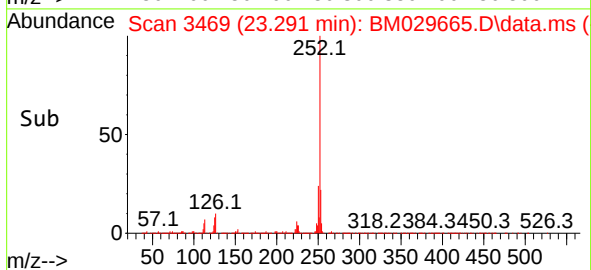
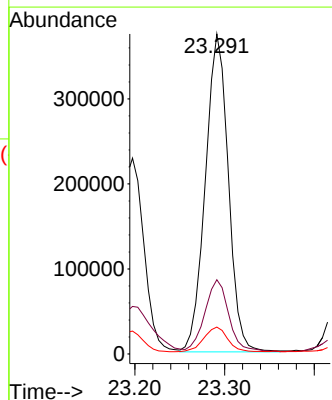
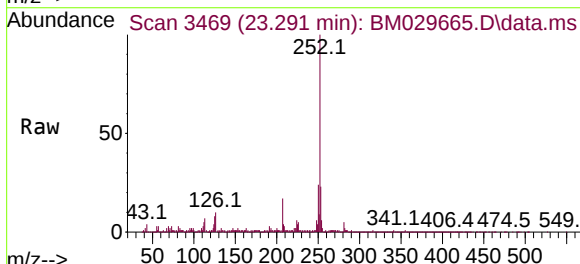
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

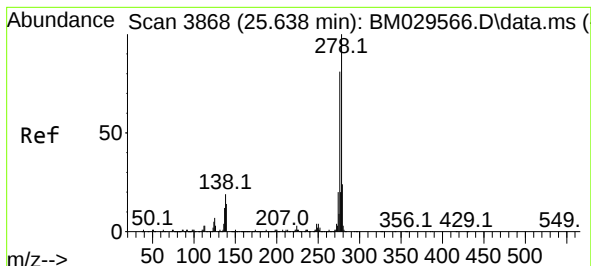
Tgt Ion:252 Resp: 1213913
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 8.5 6.2 9.2



#90
Benzo(a)pyrene
Concen: 20.89 ng
RT: 23.291 min Scan# 3469
Delta R.T. 0.006 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:252 Resp: 666010
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.4 7.3 10.9

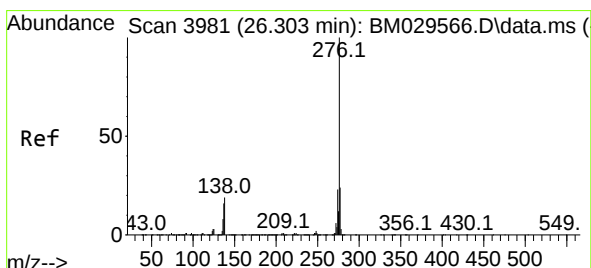
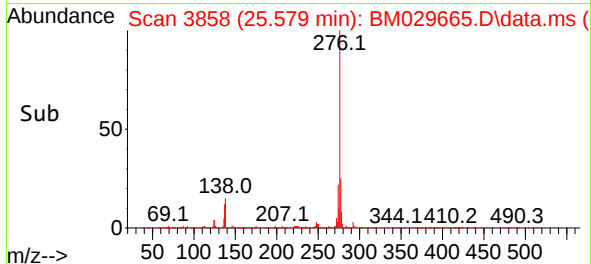
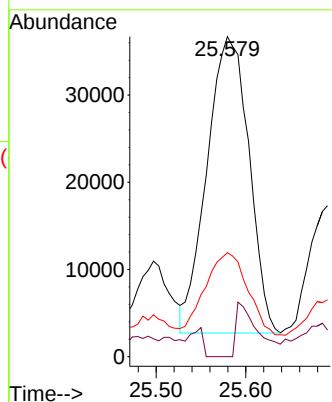
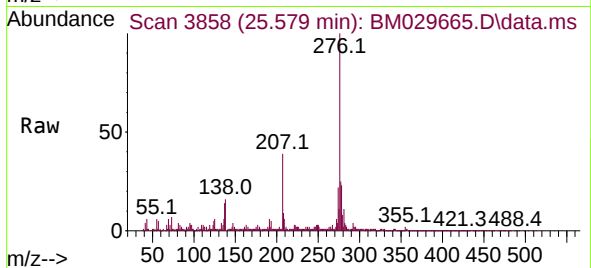




#91
Dibenzo(a,h)anthracene
Concen: 3.18 ng
RT: 25.579 min Scan# 3858
Delta R.T. -0.012 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-4

Tgt Ion:278 Resp: 110312
Ion Ratio Lower Upper
278 100
139 0.0 11.0 16.4#
279 32.5 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 12.86 ng
RT: 26.250 min Scan# 3972
Delta R.T. -0.000 min
Lab File: BM029665.D
Acq: 27 Apr 2021 00:27

Tgt Ion:276 Resp: 412963
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.2
138 18.4 14.4 21.6

