

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
 Data File : BM029682.D
 Acq On : 27 Apr 2021 20:16
 Operator : CG/JU
 Sample : M2176-04DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 STOCKPILE-COMP-1DL

Quant Time: Apr 28 01:22:57 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)

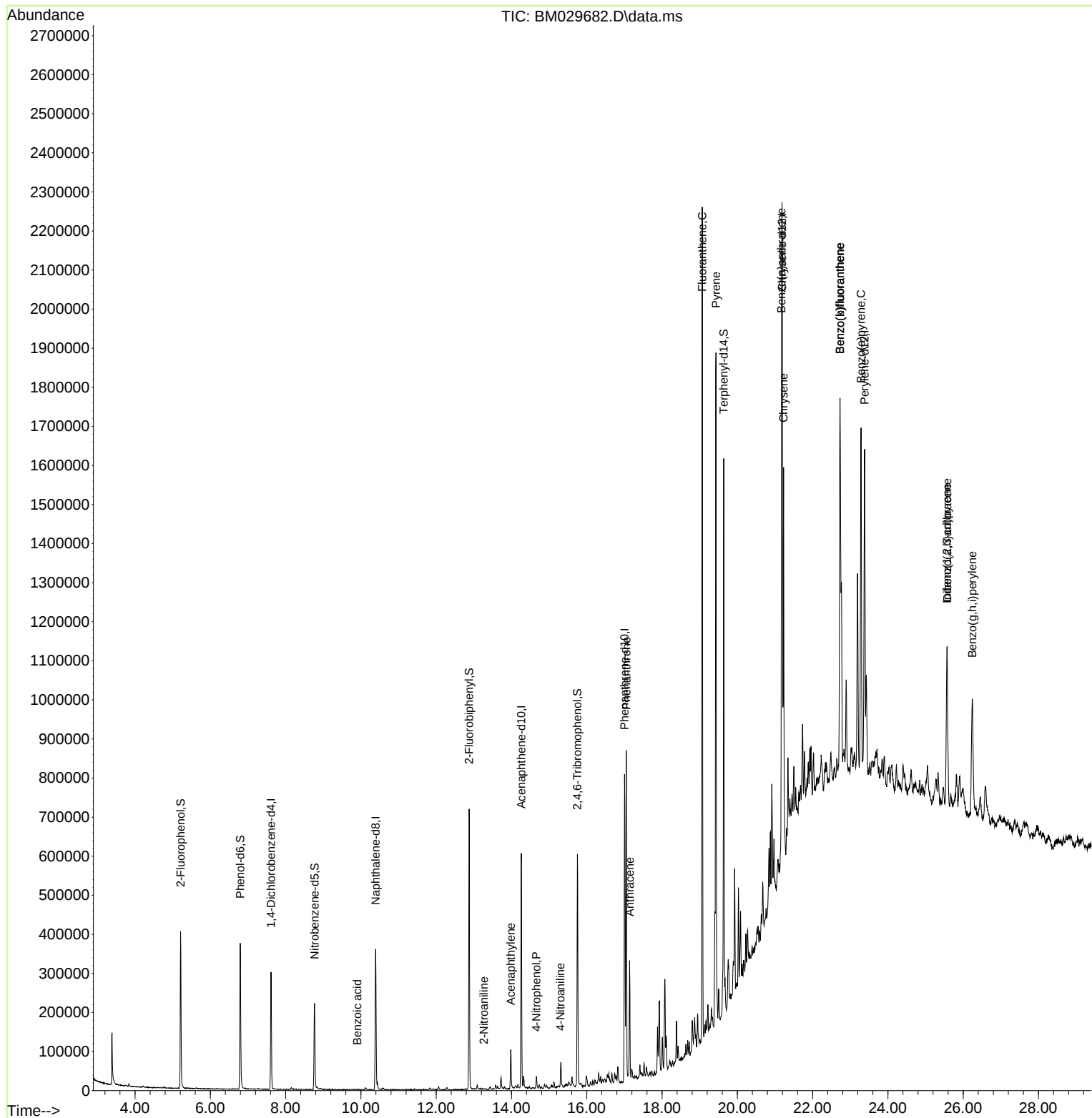
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	85595	20.00	ng	-0.01
21) Naphthalene-d8	10.392	136	307125	20.00	ng	0.00
39) Acenaphthene-d10	14.263	164	209403	20.00	ng	0.00
64) Phenanthrene-d10	17.004	188	477197	20.00	ng	0.00
76) Chrysene-d12	21.192	240	558005	20.00	ng	0.00
86) Perylene-d12	23.380	264	583182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.210	112	169594	39.72	ng	0.00
7) Phenol-d6	6.793	99	209608	32.87	ng	0.00
23) Nitrobenzene-d5	8.769	82	140422	23.55	ng	0.00
42) 2,4,6-Tribromophenol	15.751	330	111314	38.44	ng	-0.01
45) 2-Fluorobiphenyl	12.875	172	388008	25.15	ng	-0.01
79) Terphenyl-d14	19.639	244	616633	20.95	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.904	122	57	7.23	ng	# 1
48) 2-Nitroaniline	13.269	65	56	2.87	ng	# 4
49) Acenaphthylene	13.980	152	81116	4.32	ng	99
56) 4-Nitrophenol	14.663	139	5849	2.27	ng	# 4
62) 4-Nitroaniline	15.298	138	384	3.56	ng	# 10
71) Phenanthrene	17.051	178	535734	19.50	ng	99
72) Anthracene	17.139	178	193709	7.15	ng	99
75) Fluoranthene	19.068	202	1266339	38.01	ng	98
78) Pyrene	19.433	202	1099907	30.64	ng	99
81) Benzo(a)anthracene	21.174	228	664482	18.00	ng	97
83) Chrysene	21.227	228	558657	15.40	ng	97
87) Indeno(1,2,3-cd)pyrene	25.568	276	384309	8.52	ng	# 95
88) Benzo(b)fluoranthene	22.727	252	1055785	27.76	ng	98
89) Benzo(k)fluoranthene	22.727	252	1055785	27.70	ng	98
90) Benzo(a)pyrene	23.286	252	589157	16.50	ng	98
91) Dibenzo(a,h)anthracene	25.574	278	96729	2.49	ng	# 85
92) Benzo(g,h,i)perylene	26.238	276	374942	10.43	ng	99

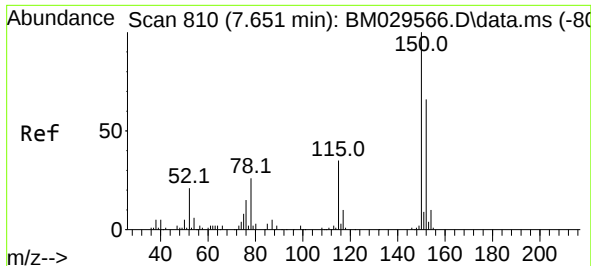
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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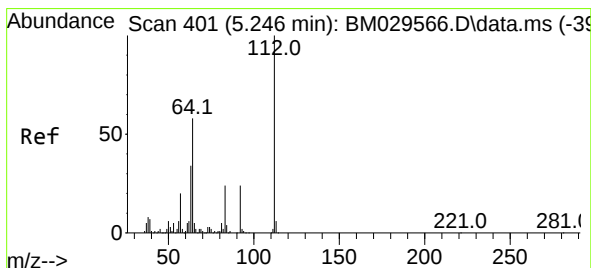
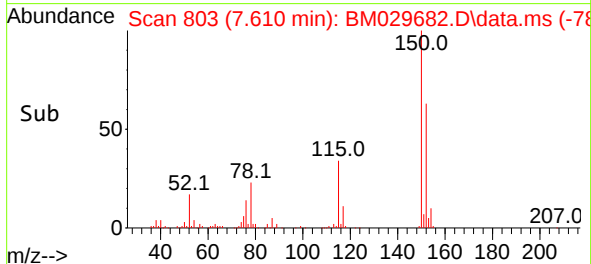
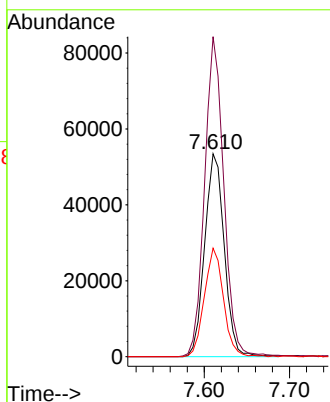
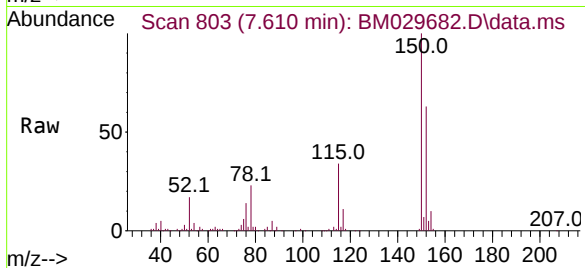




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.610 min Scan# 803
Delta R.T. -0.012 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

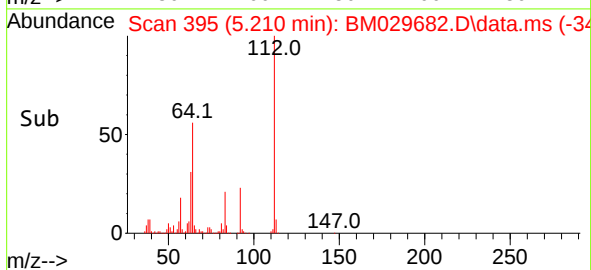
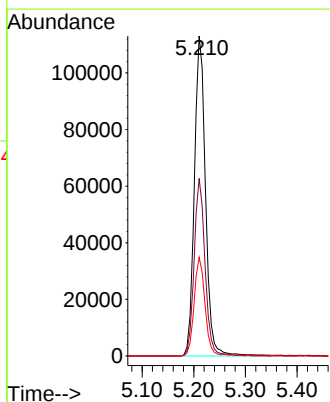
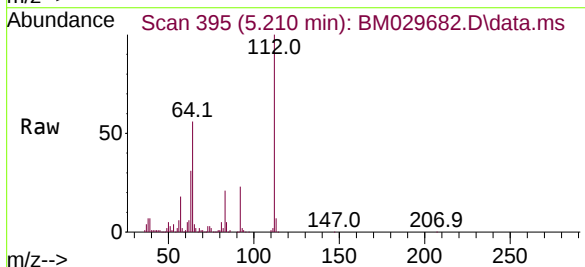
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

Tgt Ion:152 Resp: 85595
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 53.5 44.6 67.0



#5
2-Fluorophenol
Concen: 39.72 ng
RT: 5.210 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:112 Resp: 169594
Ion Ratio Lower Upper
112 100
64 55.5 47.1 70.7
63 30.8 27.3 40.9

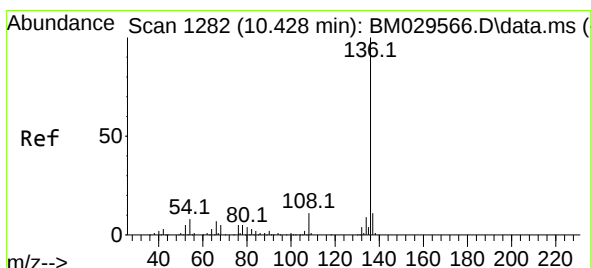
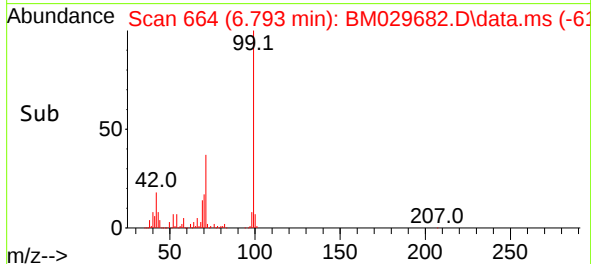
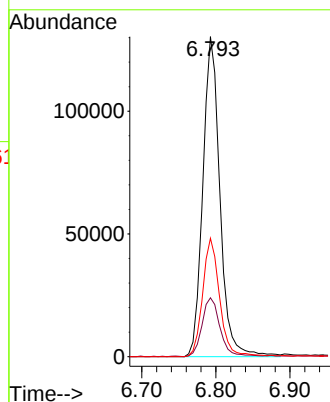
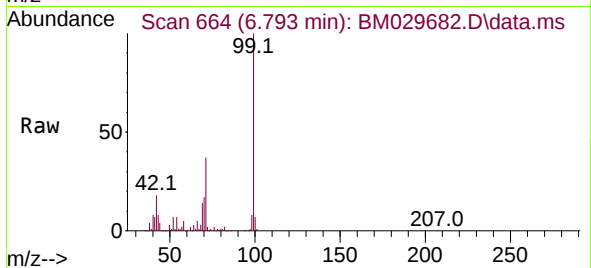




#7
Phenol-d6
Concen: 32.87 ng
RT: 6.793 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

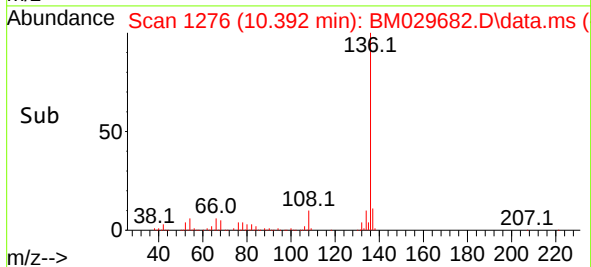
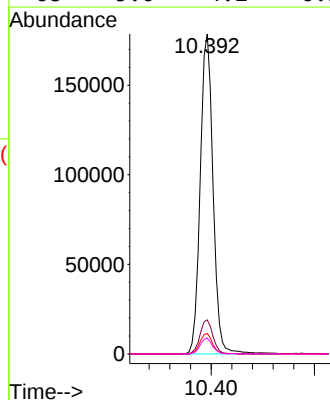
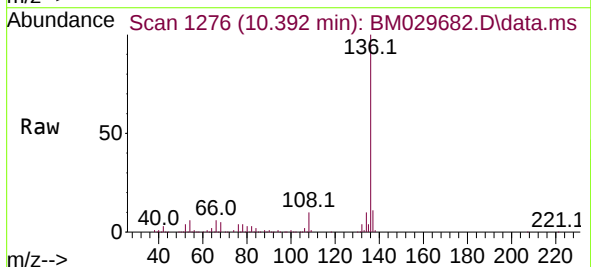
Instrument :
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ClientSampleId :
STOCKPILE-COMP-1DL

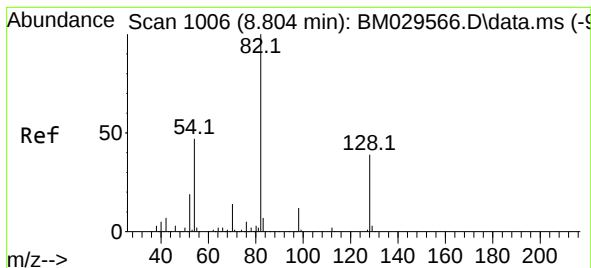
Tgt Ion:	99	Resp:	209608
Ion	Ratio	Lower	Upper
99	100		
42	18.4	18.0	27.0
71	37.0	30.9	46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.392 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:	136	Resp:	307125
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.4	5.5	8.3
68	5.0	4.2	6.2

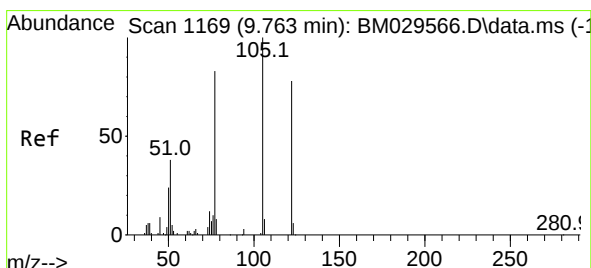
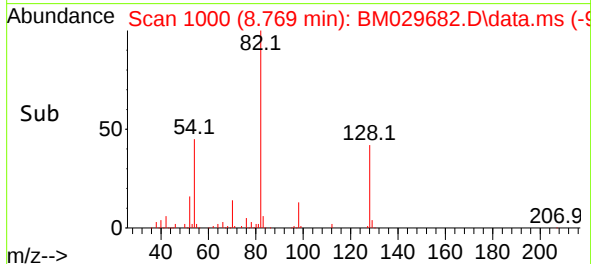
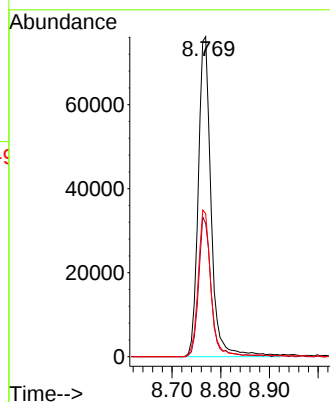
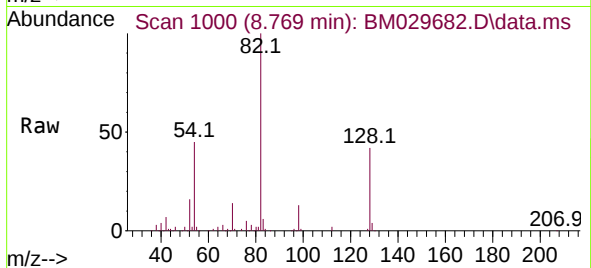




#23
Nitrobenzene-d5
Concen: 23.55 ng
RT: 8.769 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

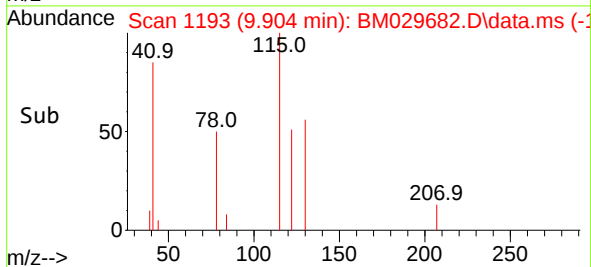
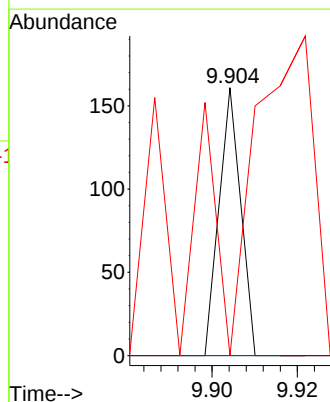
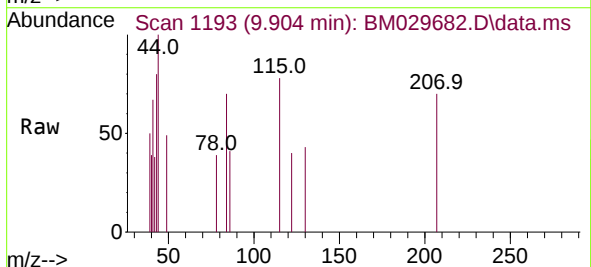
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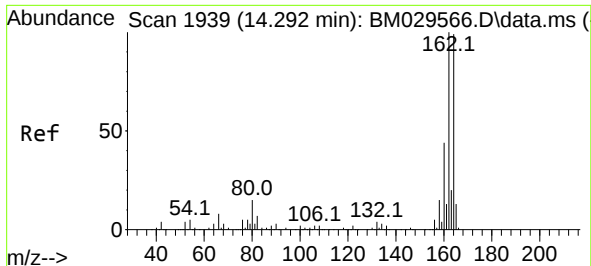
Tgt Ion: 82 Resp: 140422
Ion Ratio Lower Upper
82 100
128 41.7 31.1 46.7
54 44.8 37.3 55.9



#32
Benzoic acid
Concen: 7.23 ng
RT: 9.904 min Scan# 1193
Delta R.T. 0.171 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion: 122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 107.3 147.3#
77 0.0 88.0 128.0#

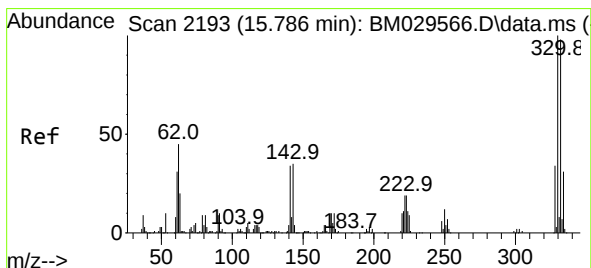
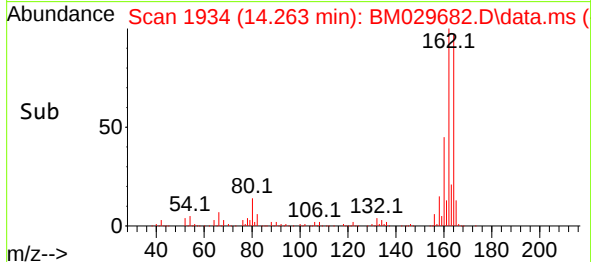
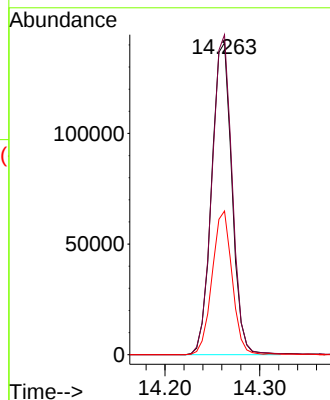
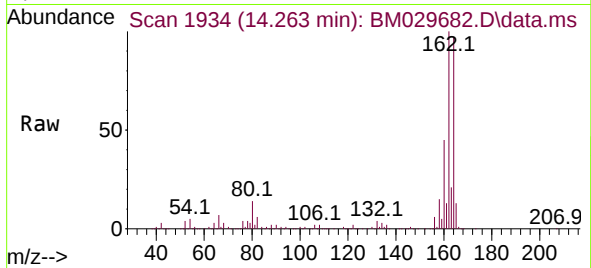




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

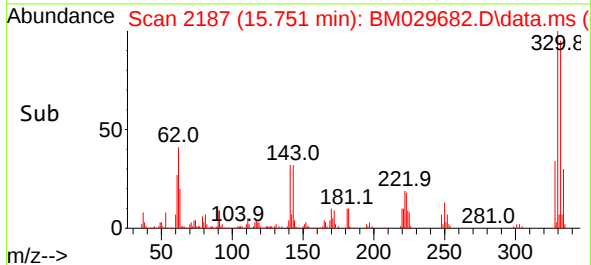
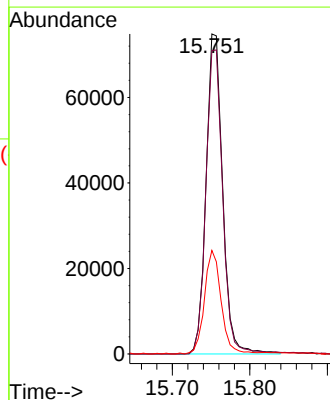
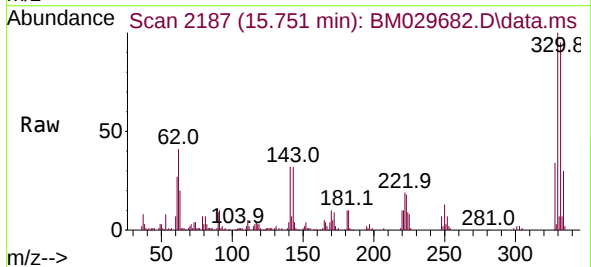
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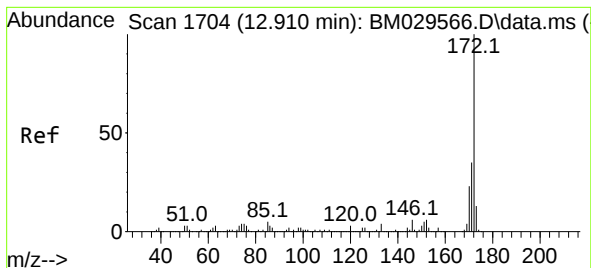
Tgt Ion:164 Resp: 209403
Ion Ratio Lower Upper
164 100
162 102.6 83.4 125.0
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 38.44 ng
RT: 15.751 min Scan# 2187
Delta R.T. -0.012 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:330 Resp: 111314
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 32.7 30.2 45.2

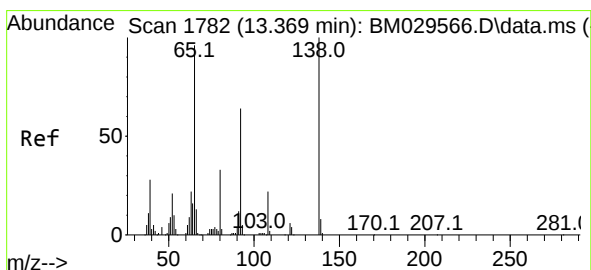
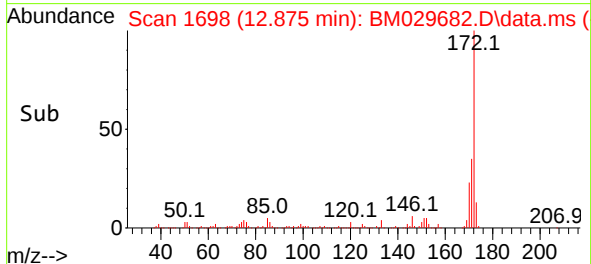
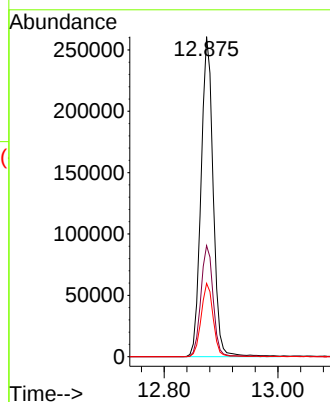
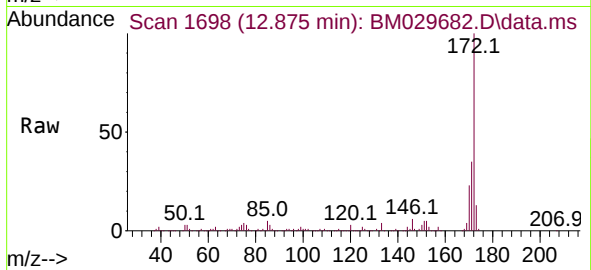




#45
2-Fluorobiphenyl
Concen: 25.15 ng
RT: 12.875 min Scan# 1698
Delta R.T. -0.012 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

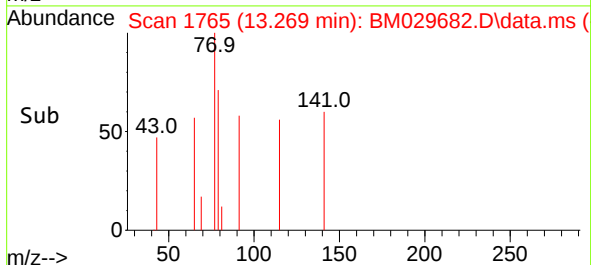
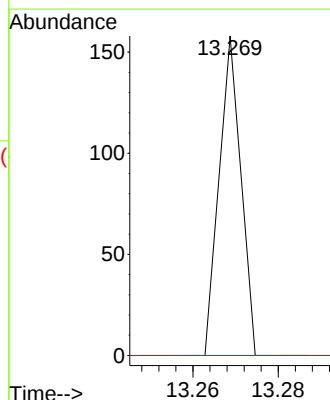
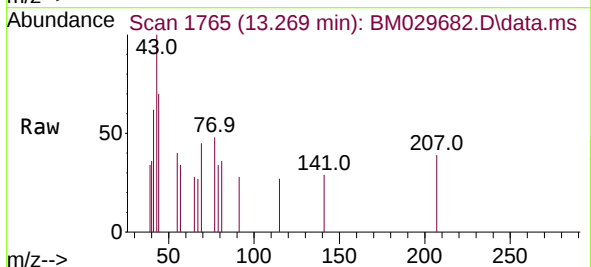
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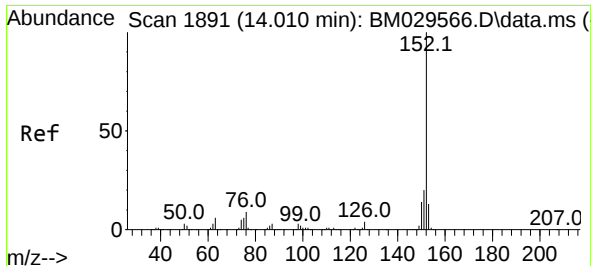
Tgt Ion:172 Resp: 388008
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 22.9 18.4 27.6



#48
2-Nitroaniline
Concen: 2.87 ng
RT: 13.269 min Scan# 1765
Delta R.T. -0.076 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 85.7 128.5#

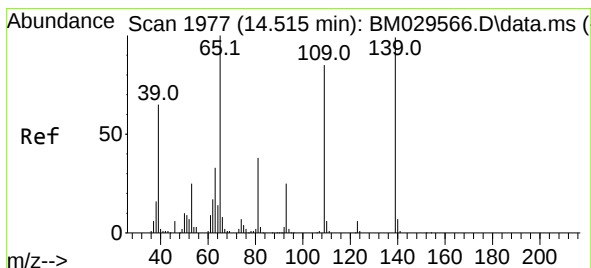
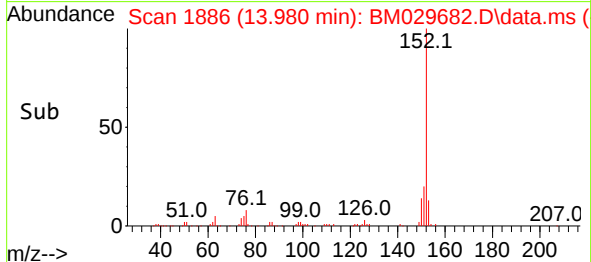
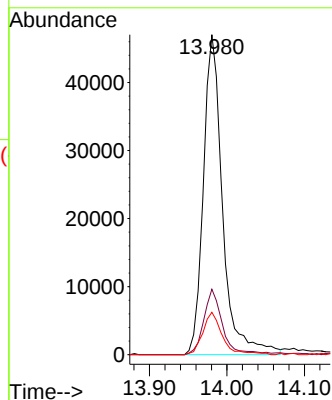
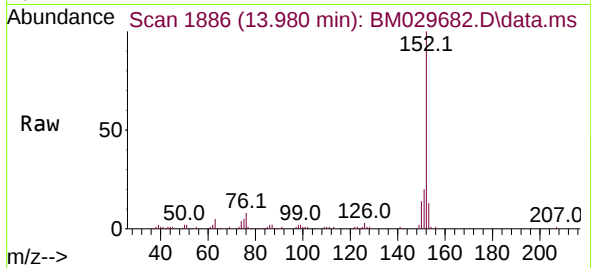




#49
Acenaphthylene
Concen: 4.32 ng
RT: 13.980 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

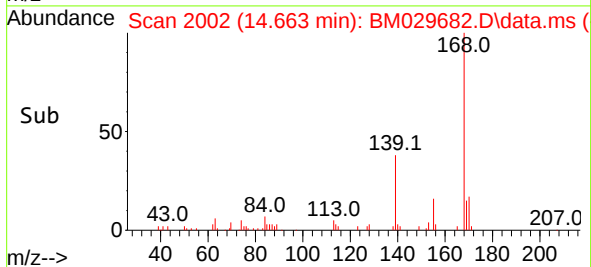
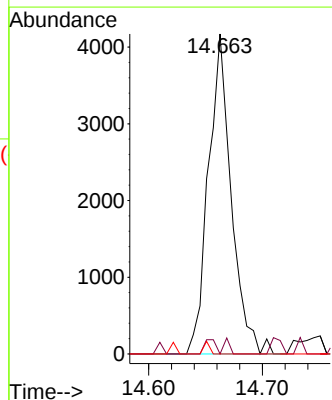
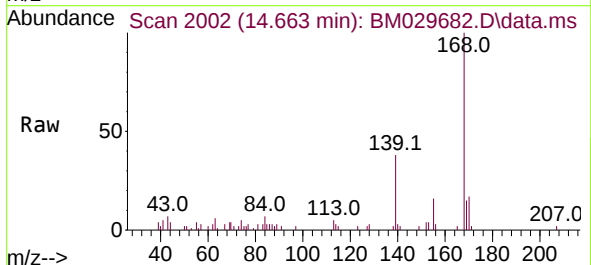
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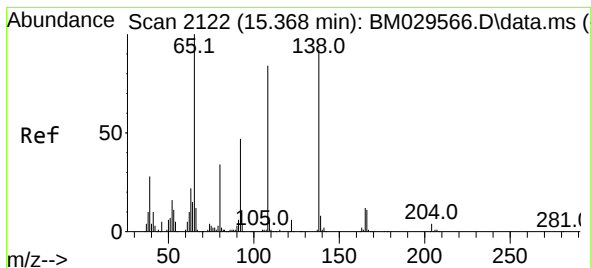
Tgt Ion:	152	Resp:	81116
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.3	10.2	15.4



#56
4-Nitrophenol
Concen: 2.27 ng
RT: 14.663 min Scan# 2002
Delta R.T. 0.165 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:	139	Resp:	5849
Ion Ratio	Lower	Upper	
139	100		
109	0.0	64.5	104.5#
65	0.0	78.9	118.9#

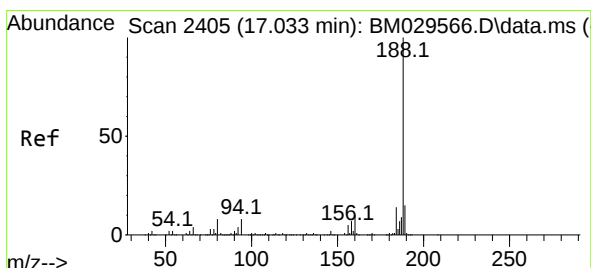
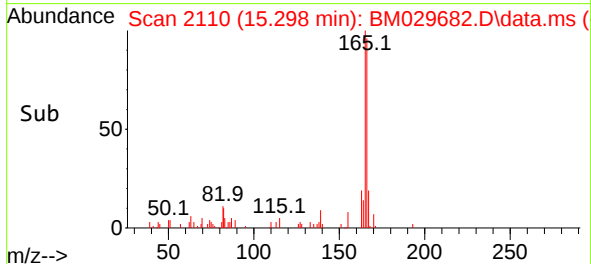
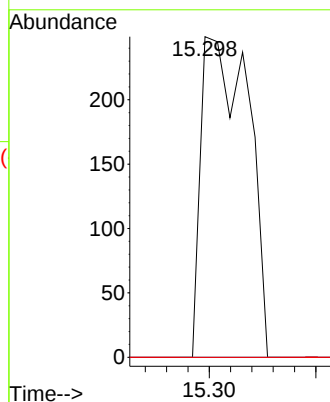
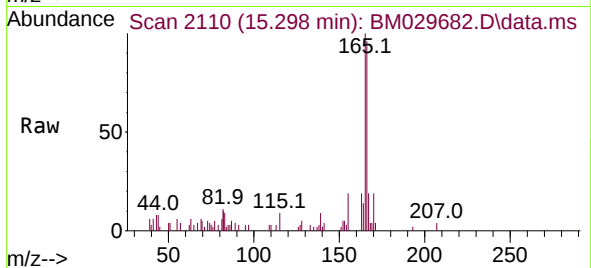




#62
4-Nitroaniline
Concen: 3.56 ng
RT: 15.298 min Scan# 2110
Delta R.T. -0.047 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

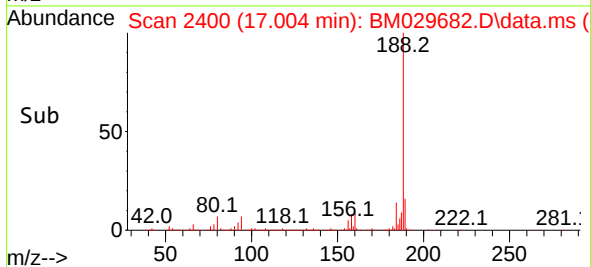
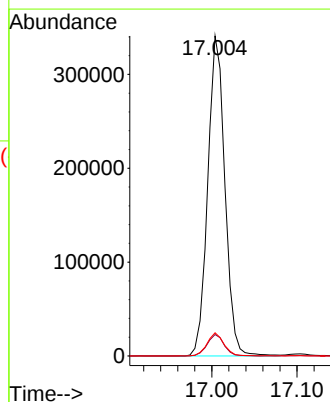
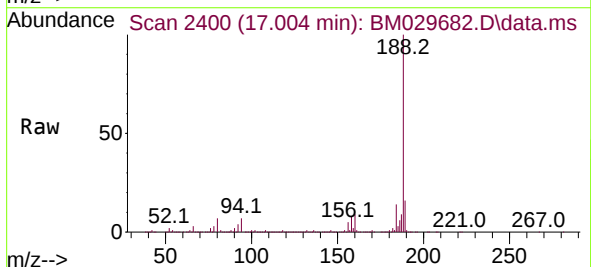
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

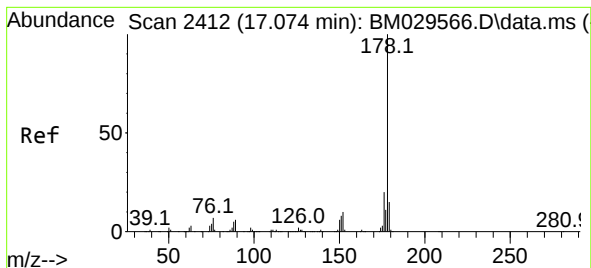
Tgt Ion:138 Resp: 384
Ion Ratio Lower Upper
138 100
92 0.0 33.4 73.4#
108 0.0 75.5 115.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.004 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:188 Resp: 477197
Ion Ratio Lower Upper
188 100
94 6.7 6.0 9.0
80 7.2 6.6 9.8

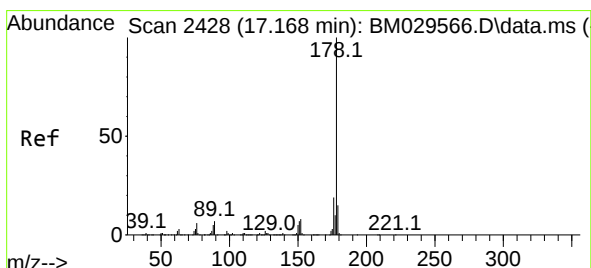
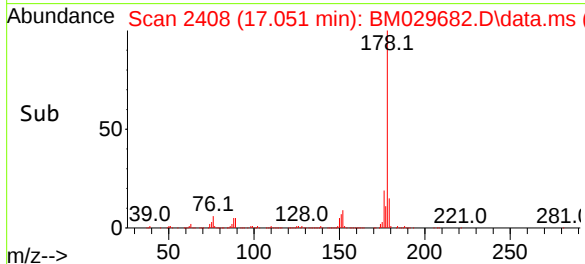
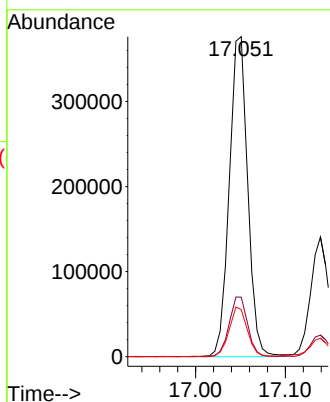
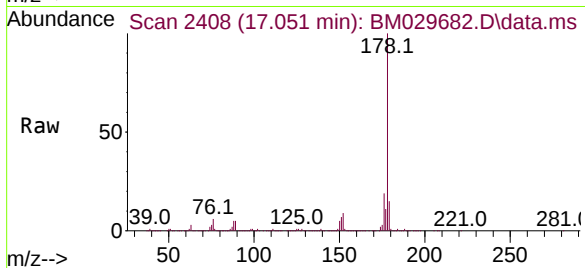




#71
Phenanthrene
Concen: 19.50 ng
RT: 17.051 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

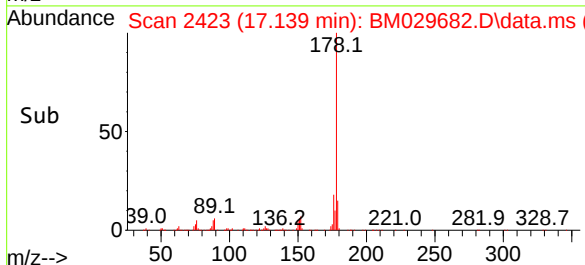
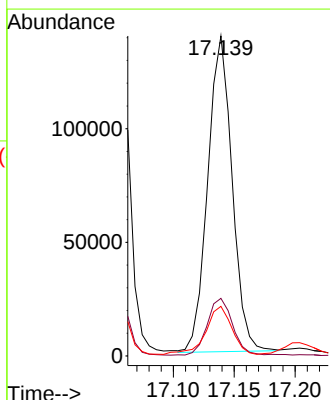
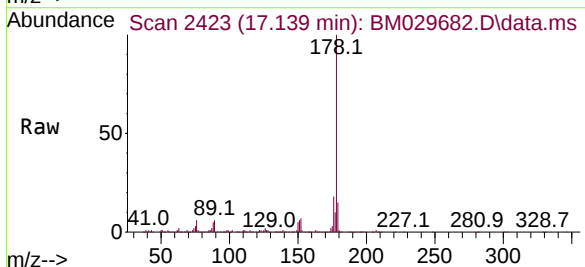
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

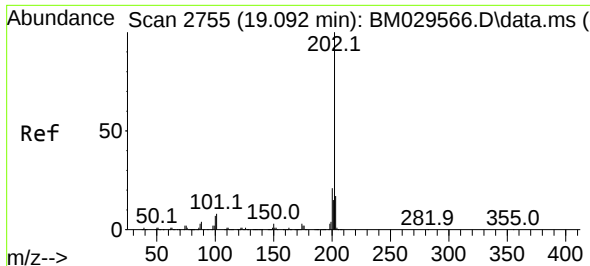
Tgt Ion:178 Resp: 535734
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 14.7 12.2 18.4



#72
Anthracene
Concen: 7.15 ng
RT: 17.139 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:178 Resp: 193709
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.5 12.5 18.7

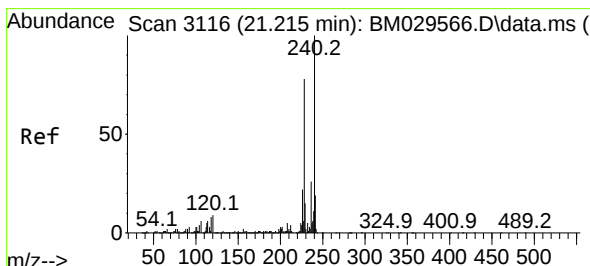
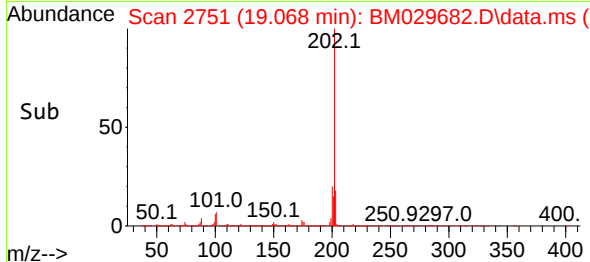
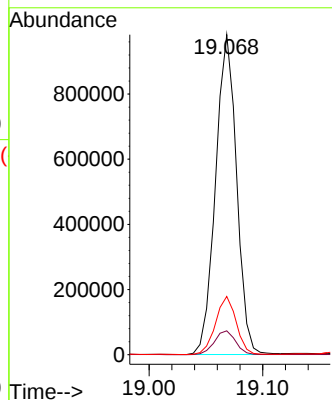
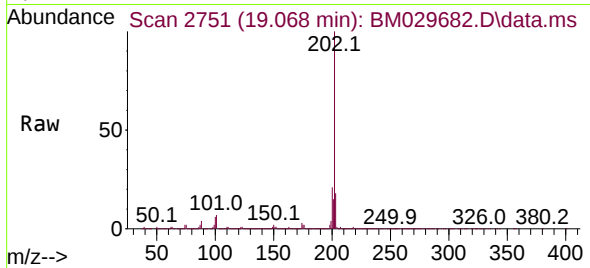




#75
Fluoranthene
Concen: 38.01 ng
RT: 19.068 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

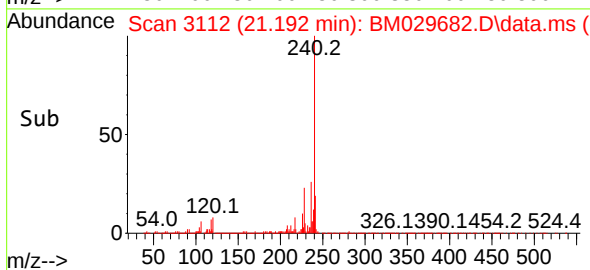
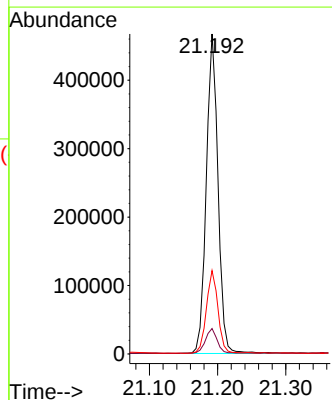
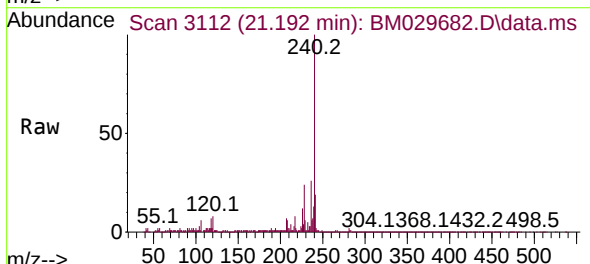
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

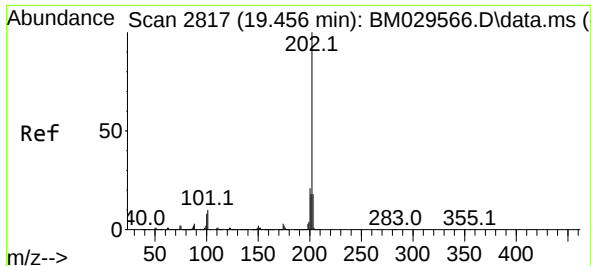
Tgt Ion:202 Resp: 1266339
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.6
203 18.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.192 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:240 Resp: 558005
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 26.1 21.0 31.4

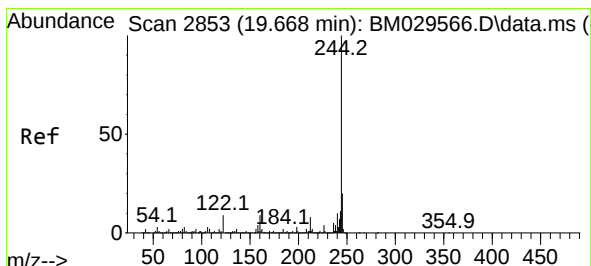
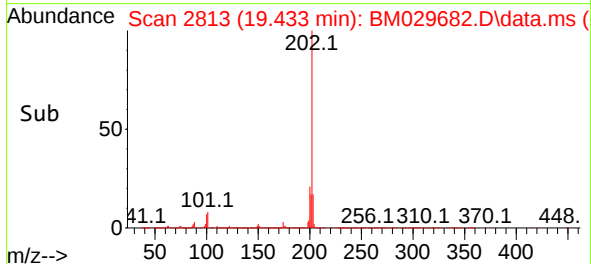
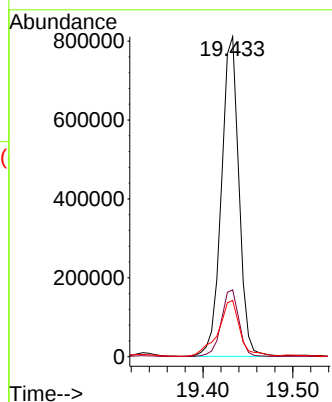
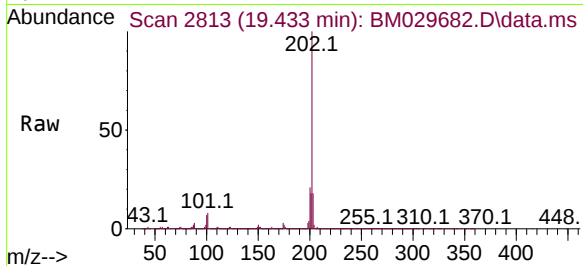




#78
Pyrene
Concen: 30.64 ng
RT: 19.433 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

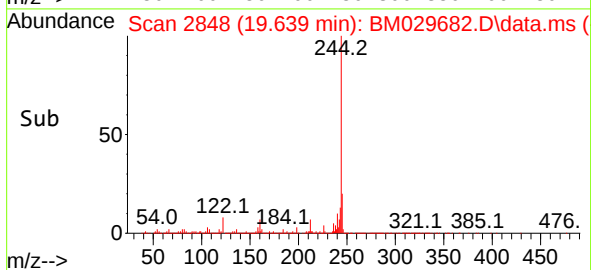
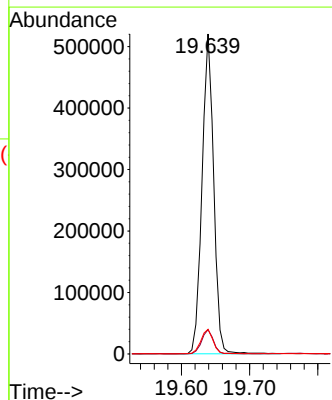
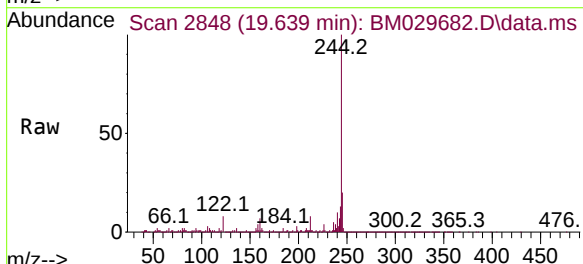
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

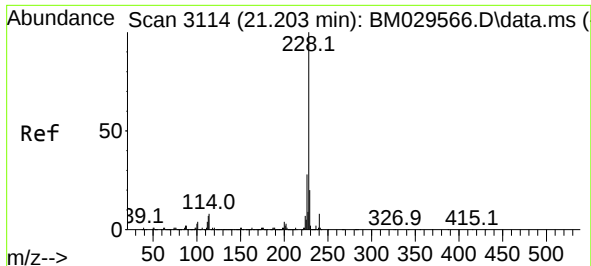
Tgt Ion:202 Resp: 1099907
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 17.5 13.9 20.9



#79
Terphenyl-d14
Concen: 20.95 ng
RT: 19.639 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:244 Resp: 616633
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 7.7 6.9 10.3

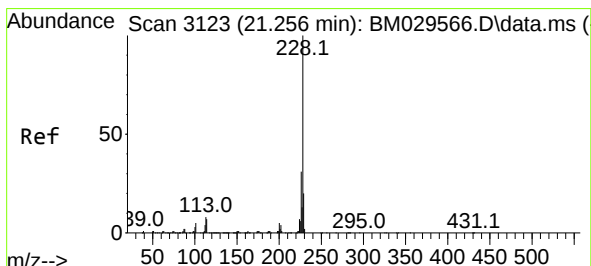
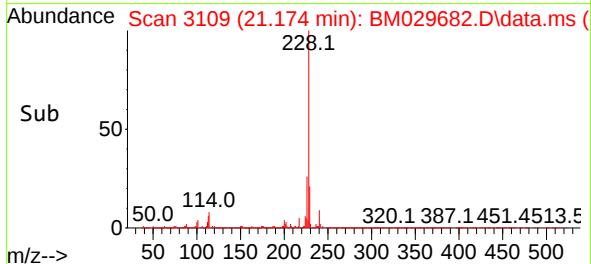
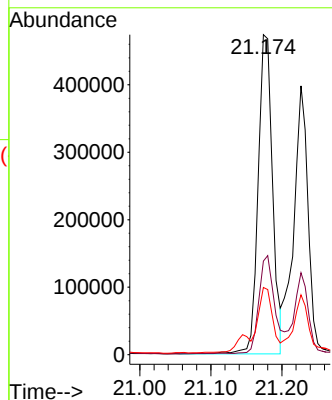
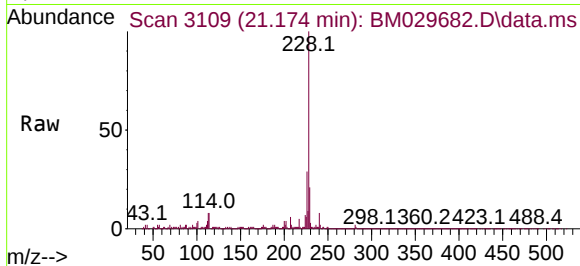




#81
Benzo(a)anthracene
Concen: 18.00 ng
RT: 21.174 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

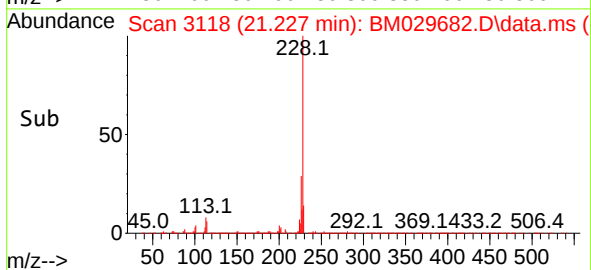
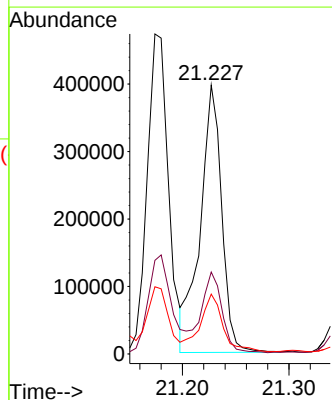
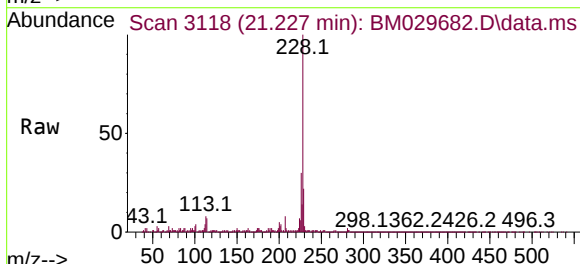
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

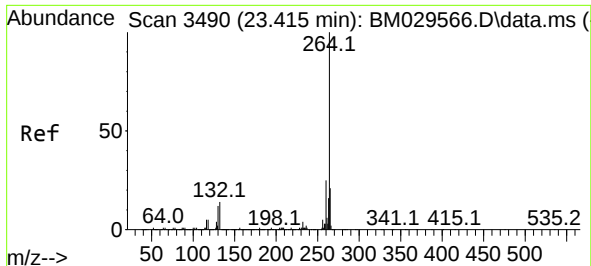
Tgt Ion:228 Resp: 664482
Ion Ratio Lower Upper
228 100
226 29.2 22.3 33.5
229 21.0 15.7 23.5



#83
Chrysene
Concen: 15.40 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:228 Resp: 558657
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 22.2 15.5 23.3

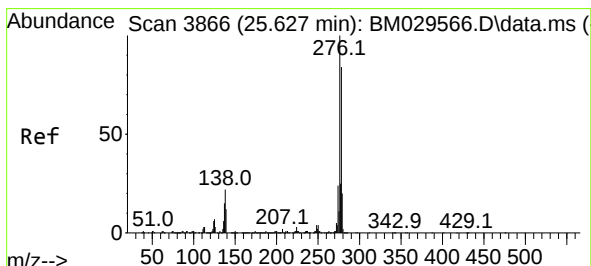
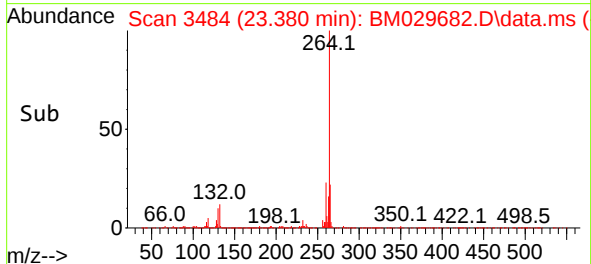
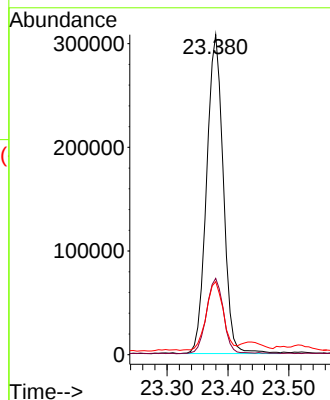
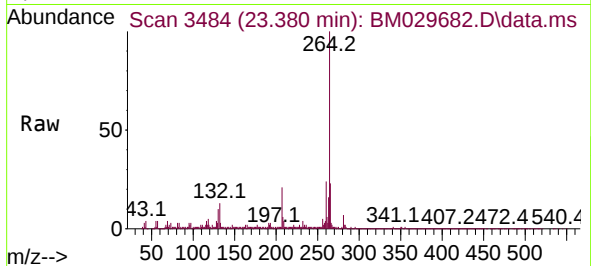




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.380 min Scan# 3484
Delta R.T. 0.000 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

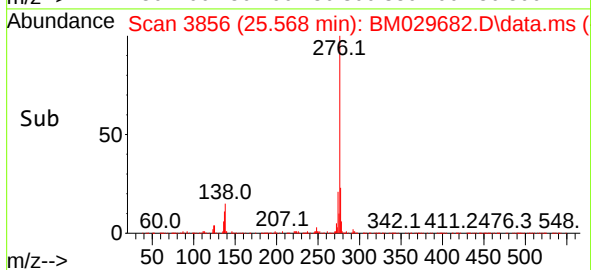
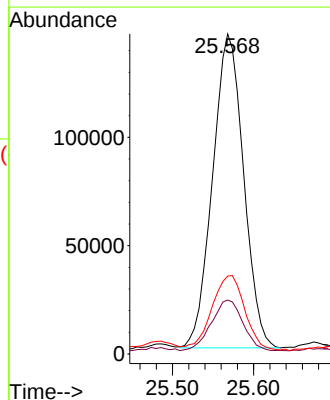
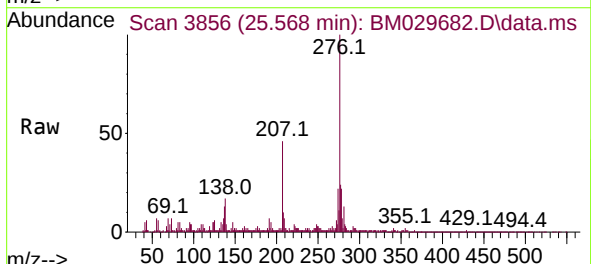
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

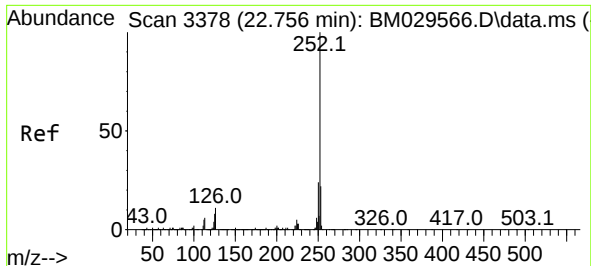
Tgt Ion:264 Resp: 583182
Ion Ratio Lower Upper
264 100
260 23.9 19.8 29.8
265 22.8 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.52 ng
RT: 25.568 min Scan# 3856
Delta R.T. -0.012 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:276 Resp: 384309
Ion Ratio Lower Upper
276 100
138 16.4 17.1 25.7#
277 25.1 20.3 30.5

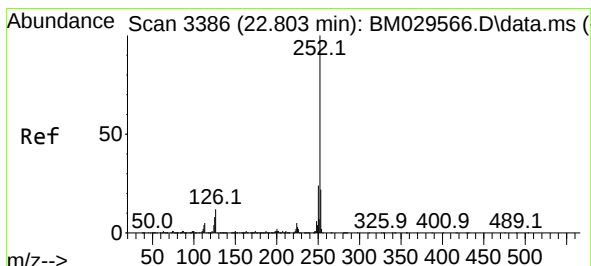
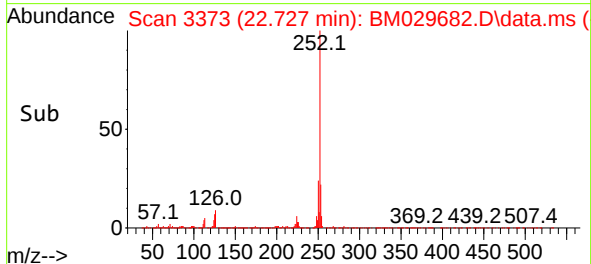
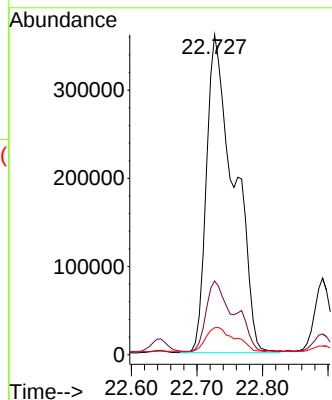
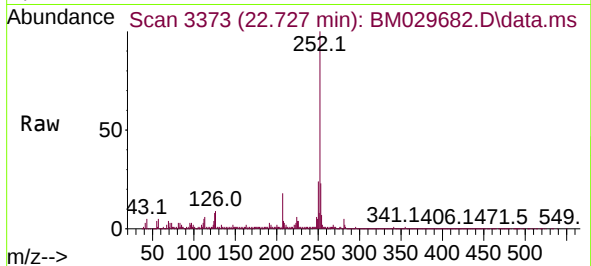




#88
Benzo(b)fluoranthene
Concen: 27.76 ng
RT: 22.727 min Scan# 3373
Delta R.T. 0.000 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

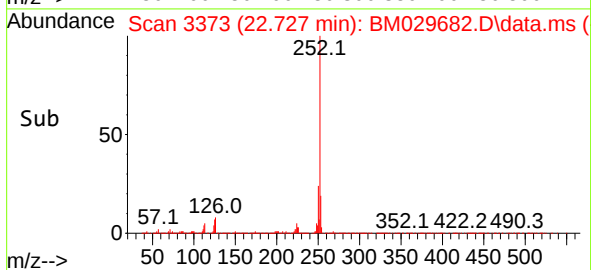
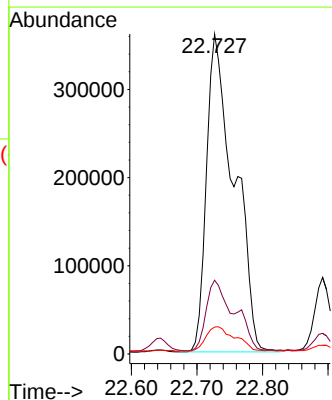
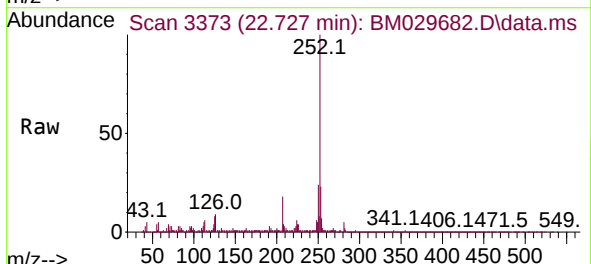
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

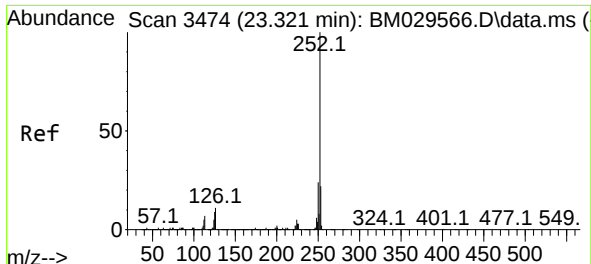
Tgt Ion:252 Resp: 1055785
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 8.4 6.8 10.2



#89
Benzo(k)fluoranthene
Concen: 27.70 ng
RT: 22.727 min Scan# 3373
Delta R.T. -0.047 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:252 Resp: 1055785
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 8.4 6.2 9.2

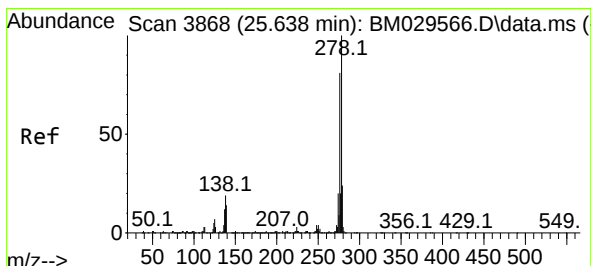
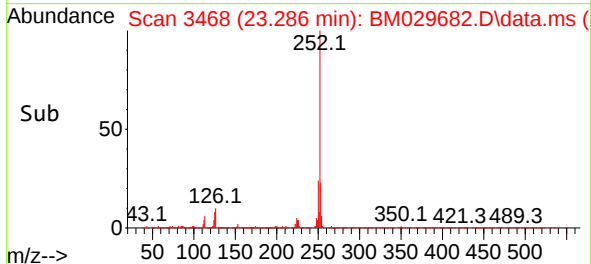
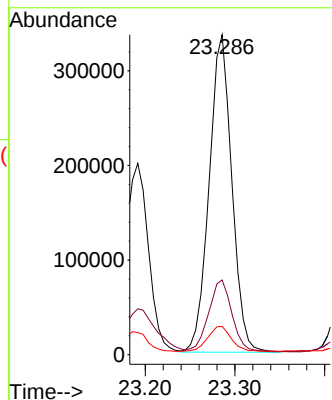
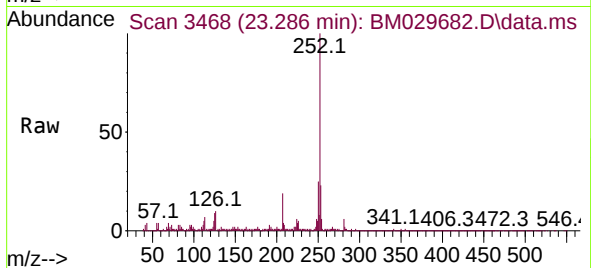




#90
Benzo(a)pyrene
Concen: 16.50 ng
RT: 23.286 min Scan# 3468
Delta R.T. 0.000 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

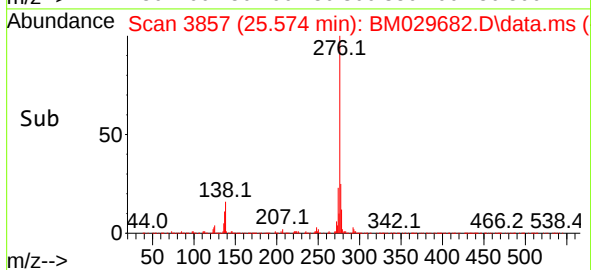
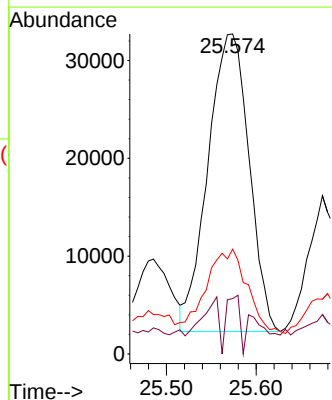
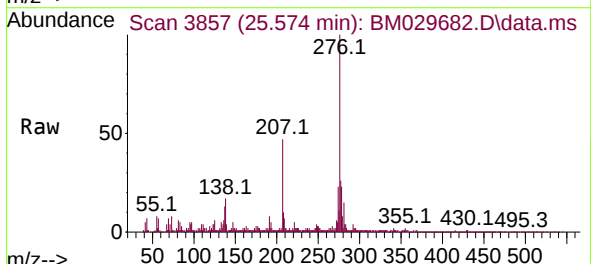
Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

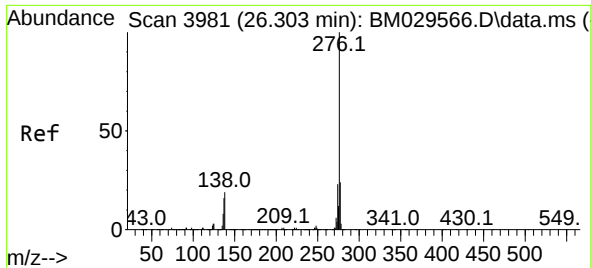
Tgt Ion:252 Resp: 589157
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 8.9 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 25.574 min Scan# 3857
Delta R.T. -0.018 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Tgt Ion:278 Resp: 96729
Ion Ratio Lower Upper
278 100
139 17.3 11.0 16.4#
279 32.7 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 10.43 ng
RT: 26.238 min Scan# 3970
Delta R.T. -0.012 min
Lab File: BM029682.D
Acq: 27 Apr 2021 20:16

Instrument :
BNA_M
ClientSampleId :
STOCKPILE-COMP-1DL

Tgt Ion:	276	Resp:	374942
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	18.3	14.4	21.6

