

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042121\
 Data File : BM029583.D
 Acq On : 22 Apr 2021 01:26
 Operator : CG/JU
 Sample : M2108-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 38072-033121

Quant Time: Apr 22 04:32:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 21 15:14:18 2021
 Response via : Initial Calibration

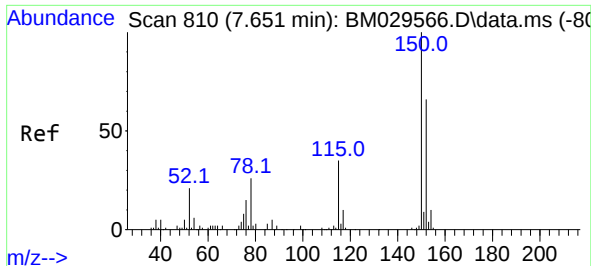
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.645	152	68284	20.00	ng	0.00
21) Naphthalene-d8	10.427	136	286633	20.00	ng	0.00
39) Acenaphthene-d10	14.286	164	225887	20.00	ng	0.00
64) Phenanthrene-d10	17.033	188	529324	20.00	ng	0.00
76) Chrysene-d12	21.221	240	746449	20.00	ng	0.00
86) Perylene-d12	23.403	264	657231	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	1005	0.30	ng	0.00
7) Phenol-d6	6.845	99	915	0.18	ng	0.02
23) Nitrobenzene-d5	8.798	82	1653	0.30	ng	0.00
42) 2,4,6-Tribromophenol	15.780	330	603	0.19	ng	0.00
45) 2-Fluorobiphenyl	12.910	172	6266	0.38	ng	0.00
79) Terphenyl-d14	19.662	244	12260	0.31	ng	0.00
Target Compounds						Qvalue
24) Nitrobenzene	8.845	77	628859	111.73	ng	99
25) Isophorone	9.363	82	1091131	104.33	ng	99
31) Naphthalene	10.474	128	871154	59.11	ng	100
37) 2-Methylnaphthalene	12.098	142	1367487	115.91	ng	99
49) Acenaphthylene	14.010	152	1361783	67.21	ng	99
51) 2,6-Dinitrotoluene	13.874	165	381676	101.56	ng	96
52) Acenaphthene	14.351	154	586630	46.22	ng	98
57) 2,4-Dinitrotoluene	14.668	165	808341	159.27	ng	96
58) Fluorene	15.345	166	3055171	169.79	ng	100
71) Phenanthrene	17.074	178	1488820	48.85	ng	100
72) Anthracene	17.174	178	6076799	202.09	ng	98
73) Carbazole	17.439	167	2104502	74.71	ng	99
75) Fluoranthene	19.097	202	5671758	153.46	ng	98
78) Pyrene	19.462	202	7664788	159.61	ng	96
81) Benzo(a)anthracene	21.209	228	8370191	169.50	ng	94
83) Chrysene	21.262	228	5072564	104.53	ng	97
87) Indeno(1,2,3-cd)pyrene	25.638	276	3867669	76.11	ng	97
88) Benzo(b)fluoranthene	22.756	252	3559767	83.06	ng	99
89) Benzo(k)fluoranthene	22.803	252	3372231	78.50	ng	99
90) Benzo(a)pyrene	23.321	252	2792007	69.38	ng	99
91) Dibenzo(a,h)anthracene	25.638	278	1885791	43.04	ng	99
92) Benzo(g,h,i)perylene	26.326	276	5423555	133.85	ng	99

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

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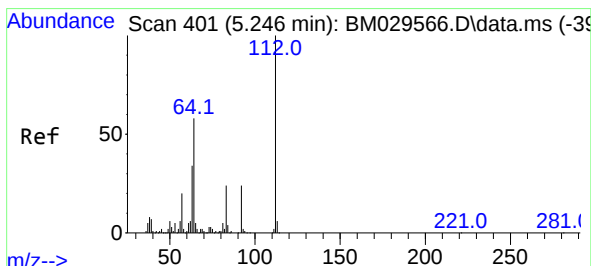
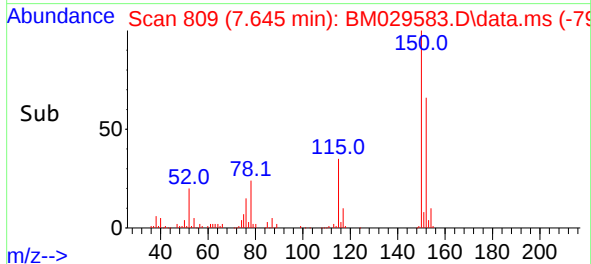
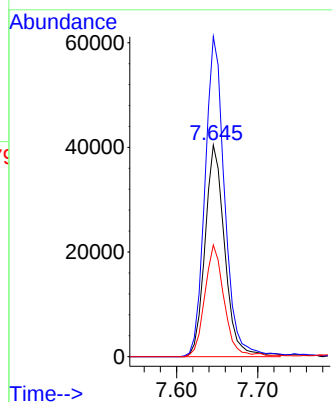
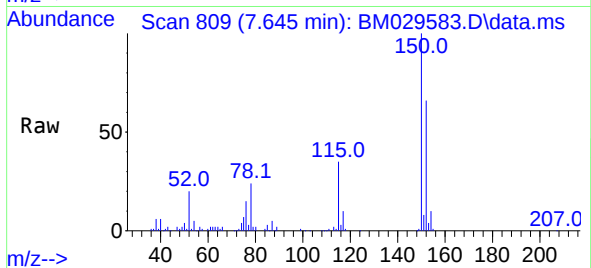




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.645 min Scan# 809
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

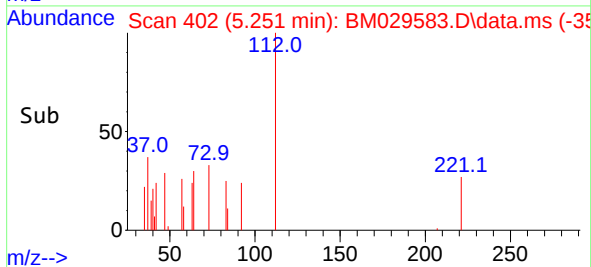
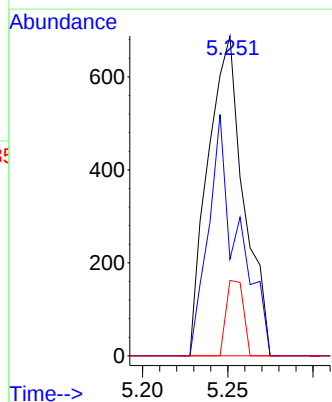
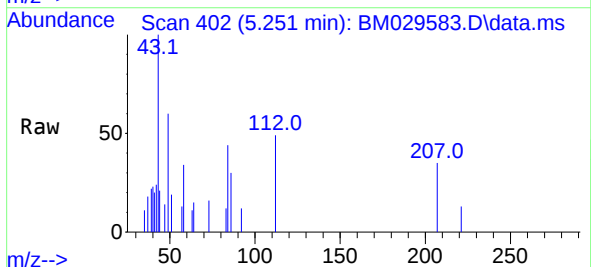
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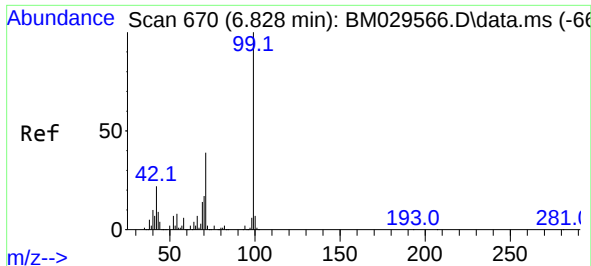
Tgt Ion:152 Resp: 68284
Ion Ratio Lower Upper
152 100
150 151.1 125.9 188.9
115 52.7 44.6 67.0



#5
2-Fluorophenol
Concen: 0.30 ng
RT: 5.251 min Scan# 402
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:112 Resp: 1005
Ion Ratio Lower Upper
112 100
64 30.2 47.1 70.7#
63 23.5 27.3 40.9#

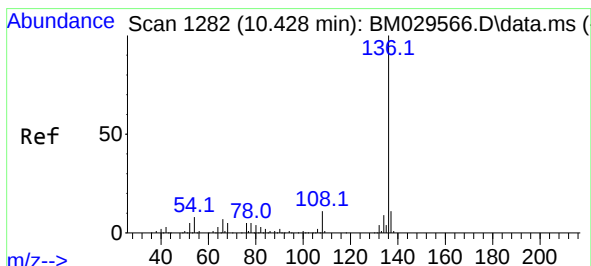
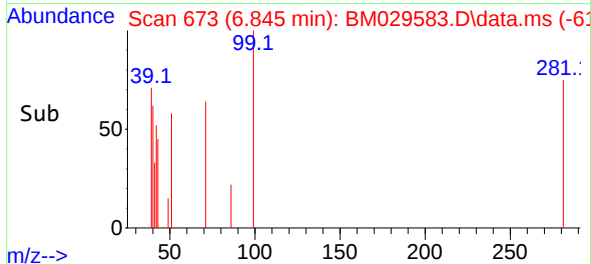
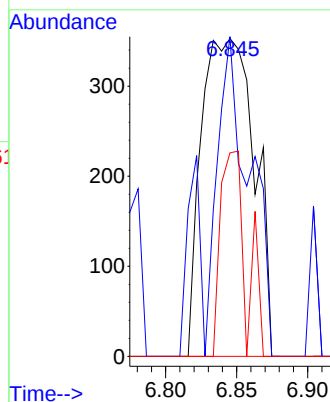
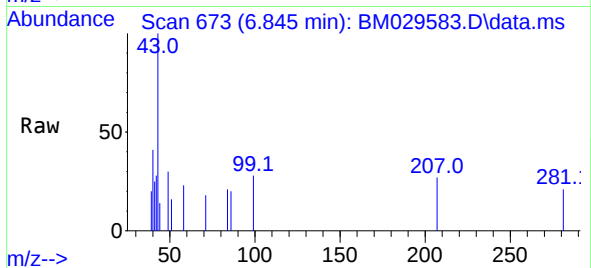




#7
Phenol-d6
Concen: 0.18 ng
RT: 6.845 min Scan# 673
Delta R.T. 0.018 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

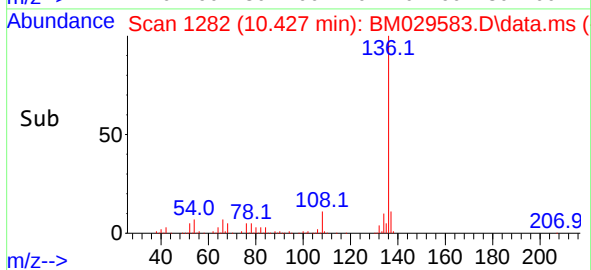
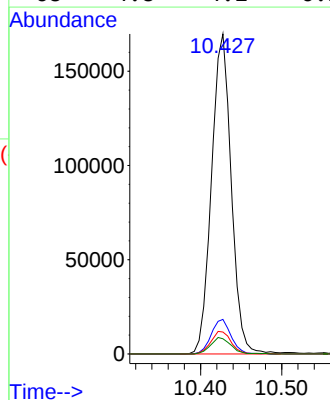
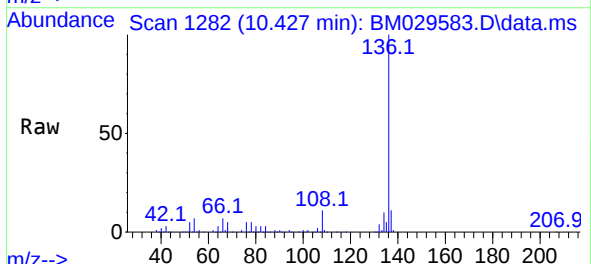
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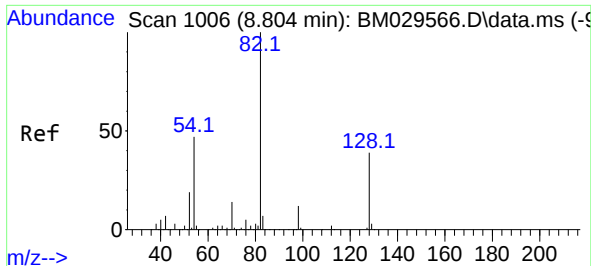
Tgt Ion: 99 Resp: 915
Ion Ratio Lower Upper
99 100
42 100.6 18.0 27.0#
71 64.0 30.9 46.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.427 min Scan# 1282
Delta R.T. -0.001 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion: 136 Resp: 286633
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.9 5.5 8.3
68 4.8 4.2 6.2

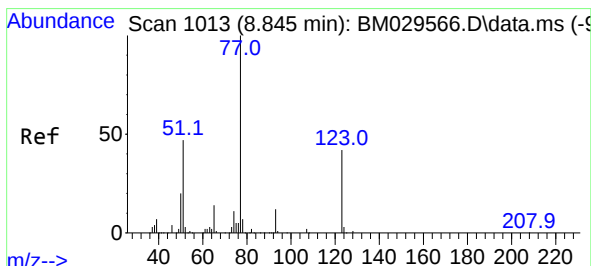
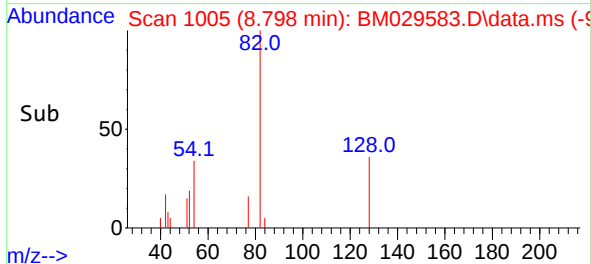
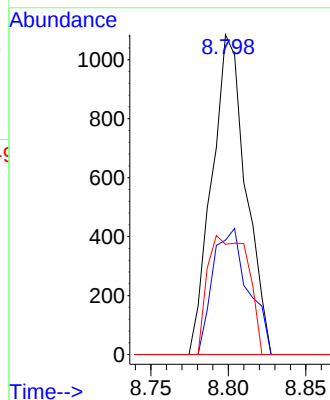
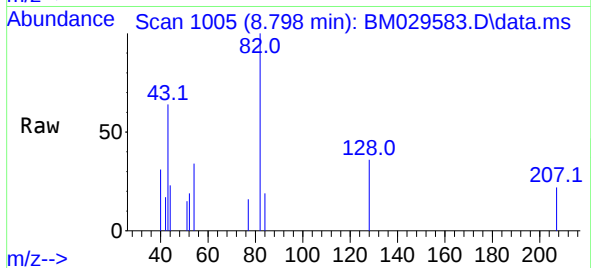




#23
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.798 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

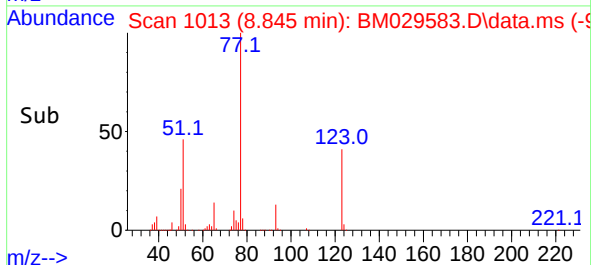
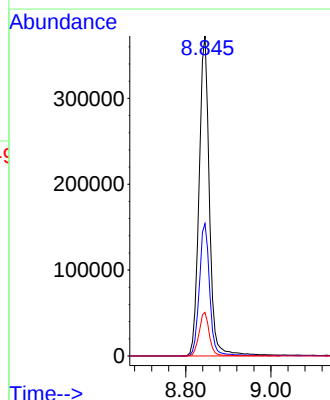
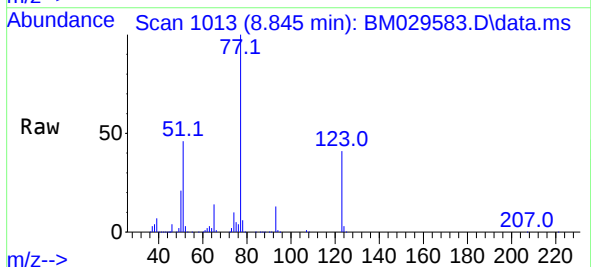
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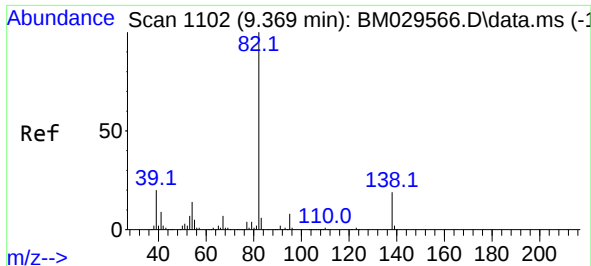
Tgt Ion: 82 Resp: 1653
Ion Ratio Lower Upper
82 100
128 35.8 31.1 46.7
54 34.5 37.3 55.9#



#24
Nitrobenzene
Concen: 111.73 ng
RT: 8.845 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion: 77 Resp: 628859
Ion Ratio Lower Upper
77 100
123 41.4 34.0 51.0
65 13.6 11.0 16.4

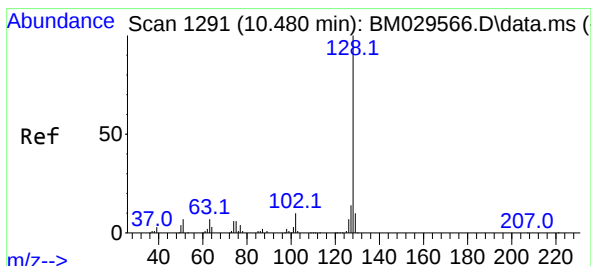
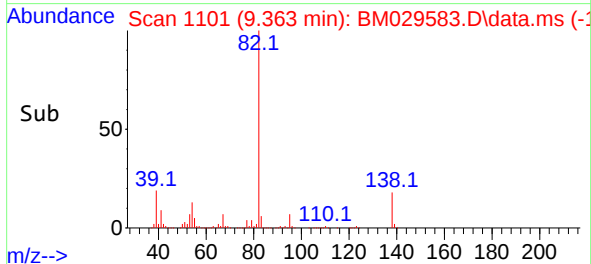
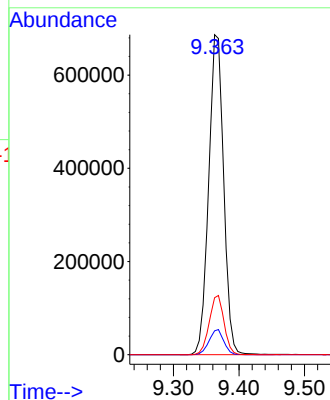
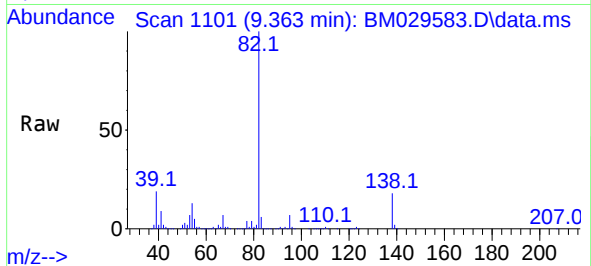




#25
Isophorone
Concen: 104.33 ng
RT: 9.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

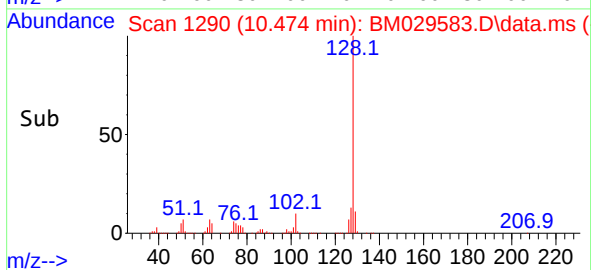
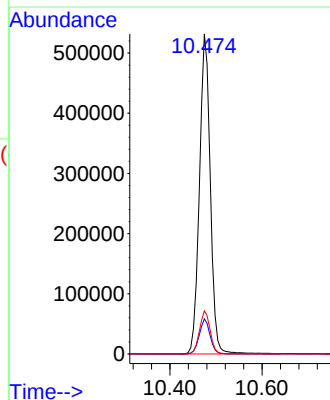
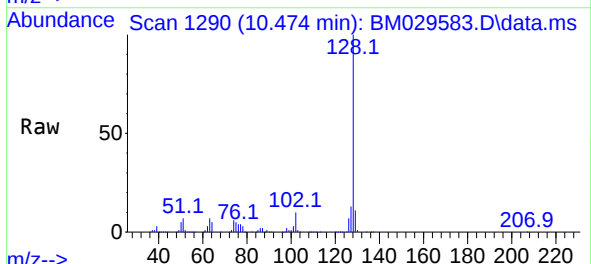
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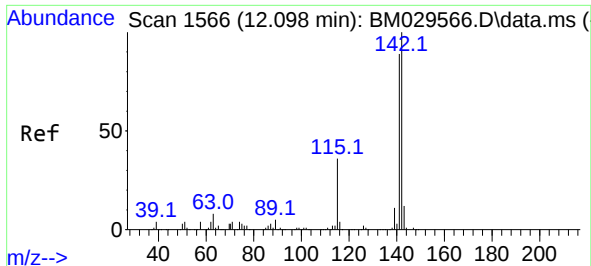
Tgt Ion: 82 Resp: 1091131
Ion Ratio Lower Upper
82 100
95 7.5 6.3 9.5
138 17.8 14.5 21.7



#31
Naphthalene
Concen: 59.11 ng
RT: 10.474 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion: 128 Resp: 871154
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.5 10.8 16.2

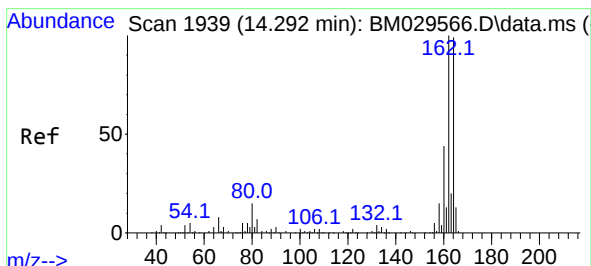
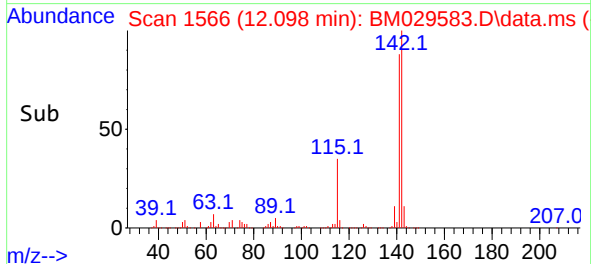
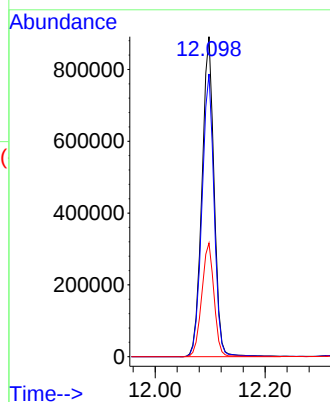
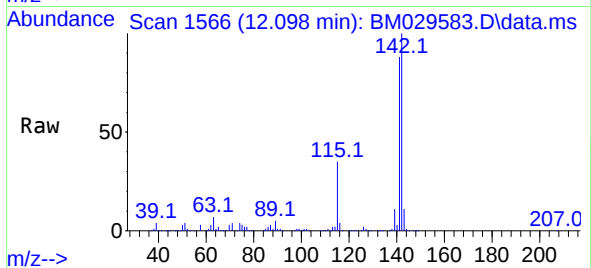




#37
2-Methylnaphthalene
Concen: 115.91 ng
RT: 12.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

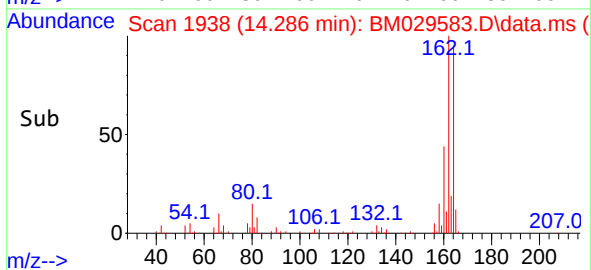
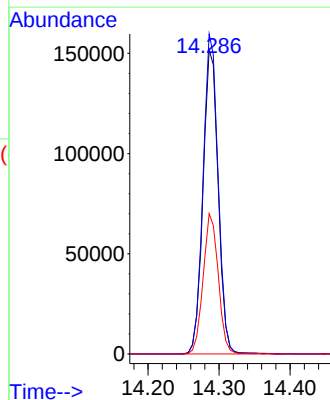
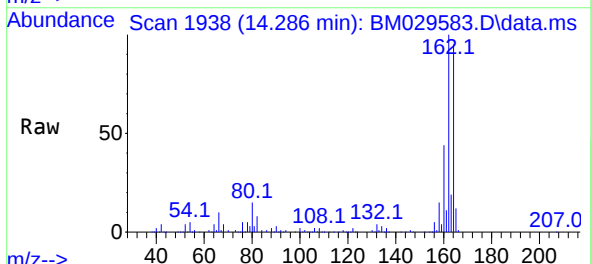
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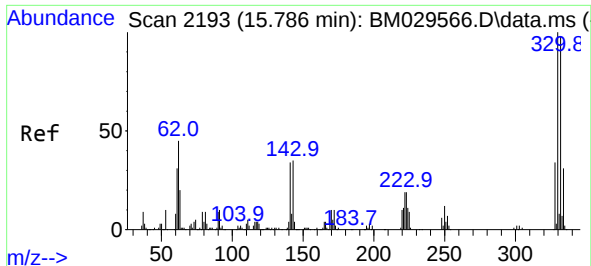
Tgt Ion:142 Resp: 1367487
Ion Ratio Lower Upper
142 100
141 88.4 71.7 107.5
115 35.5 29.1 43.7



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.286 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:164 Resp: 225887
Ion Ratio Lower Upper
164 100
162 105.2 83.4 125.0
160 46.1 37.2 55.8

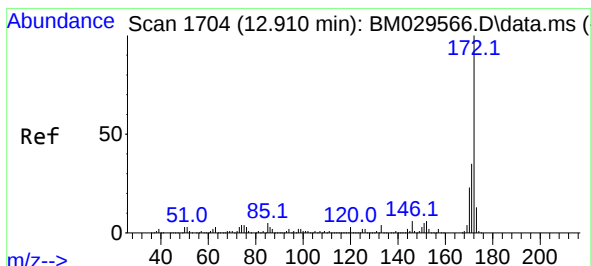
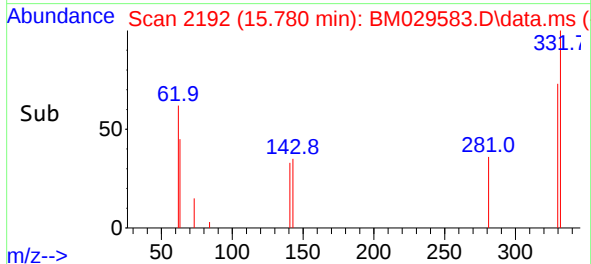
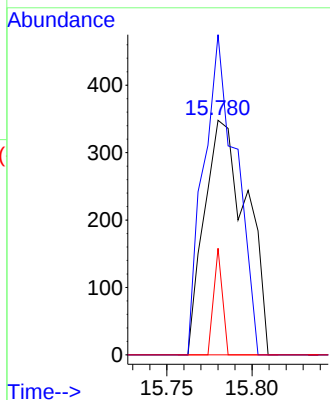
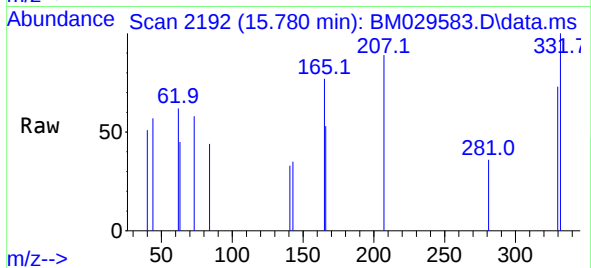




#42
2,4,6-Tribromophenol
Concen: 0.19 ng
RT: 15.780 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

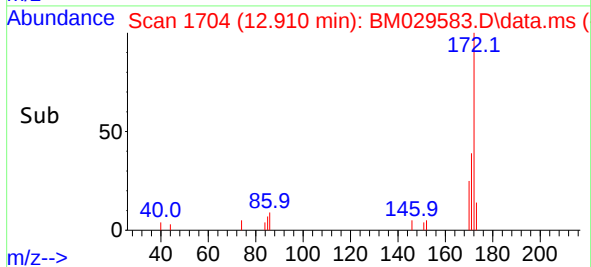
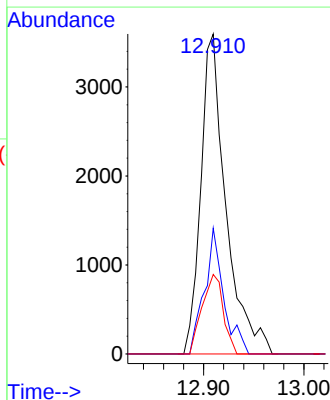
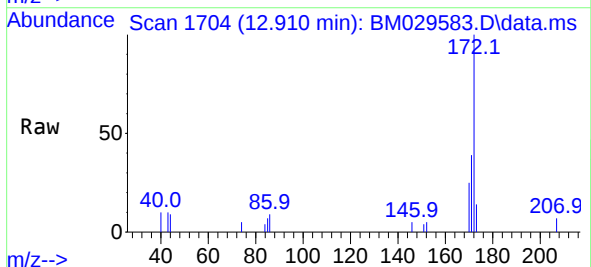
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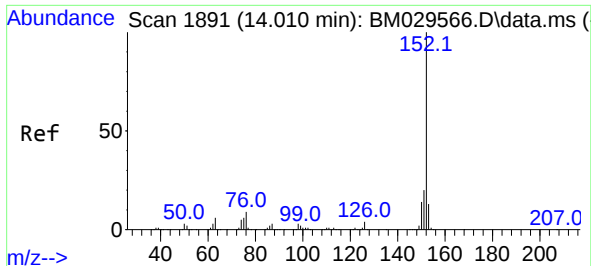
Tgt Ion:330 Resp: 603
Ion Ratio Lower Upper
330 100
332 105.0 77.0 115.4
141 0.0 30.2 45.2#



#45
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.910 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

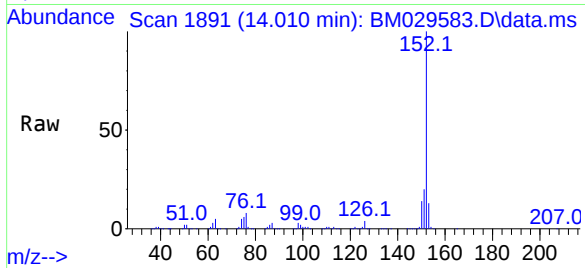
Tgt Ion:172 Resp: 6266
Ion Ratio Lower Upper
172 100
171 39.3 28.6 43.0
170 24.9 18.4 27.6



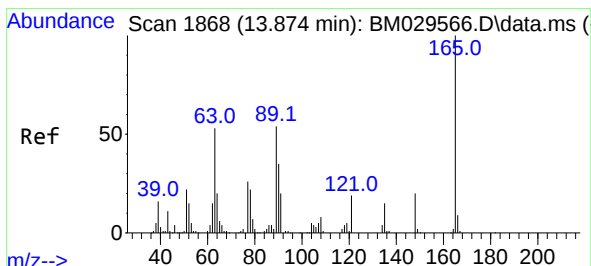
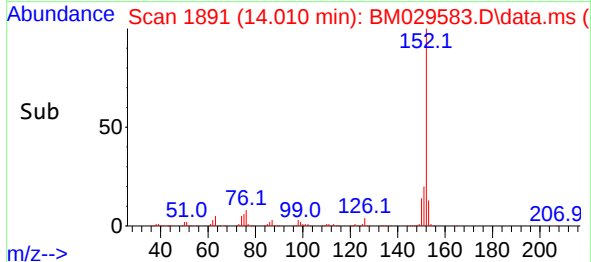
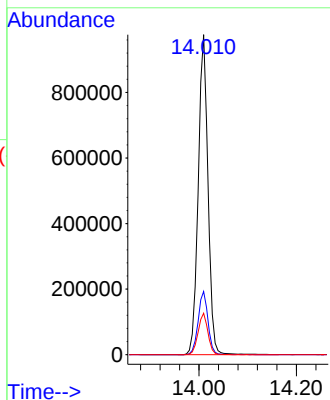


#49
Acenaphthylene
Concen: 67.21 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Instrument :
BNA_M
ClientSampleId :
38072-033121

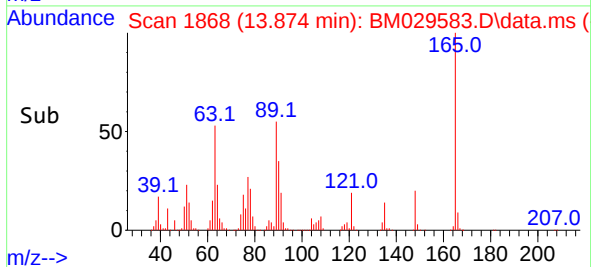
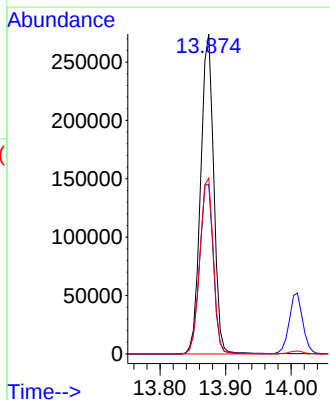
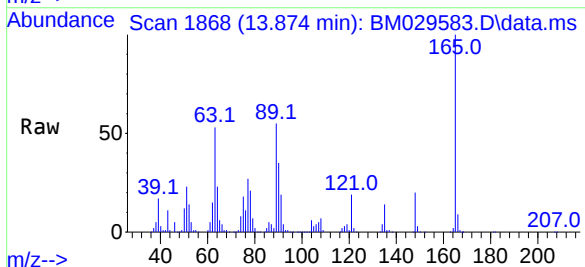


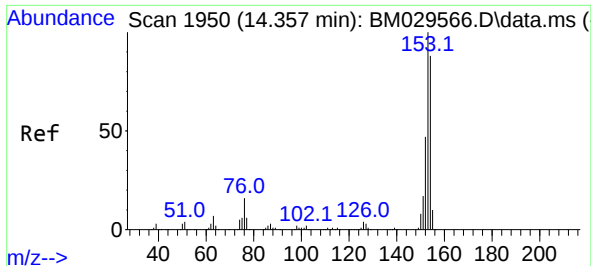
Tgt Ion:152 Resp: 1361783
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 13.0 10.2 15.4



#51
2,6-Dinitrotoluene
Concen: 101.56 ng
RT: 13.874 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

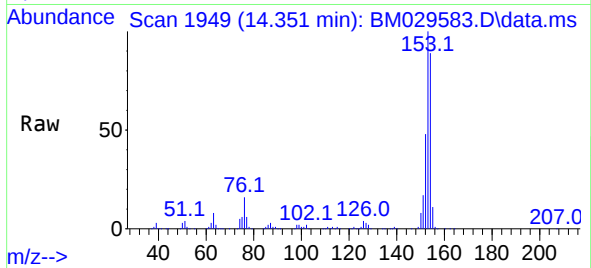
Tgt Ion:165 Resp: 381676
Ion Ratio Lower Upper
165 100
63 52.9 45.3 67.9
89 55.0 46.3 69.5



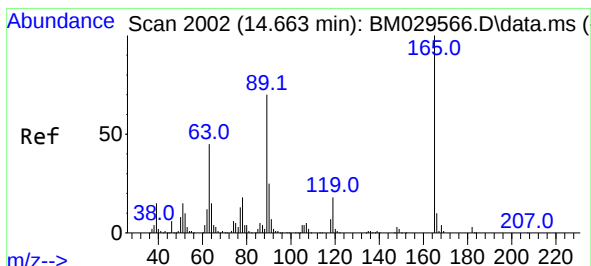
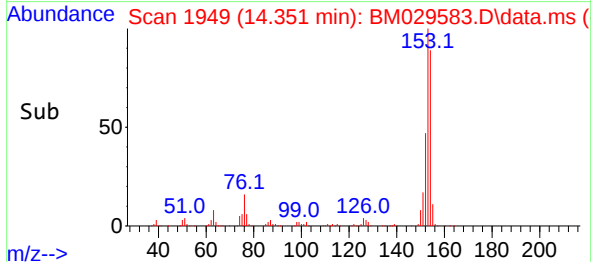
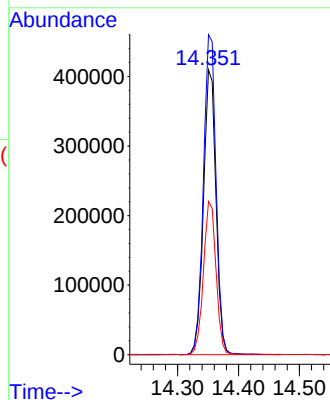


#52
Acenaphthene
Concen: 46.22 ng
RT: 14.351 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Instrument :
BNA_M
ClientSampleId :
38072-033121

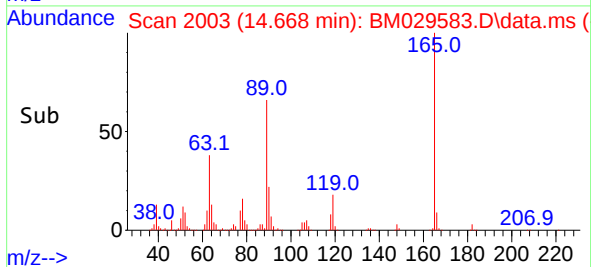
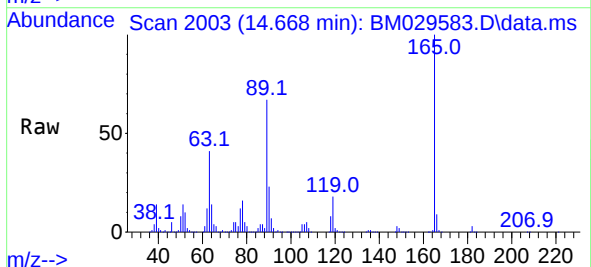
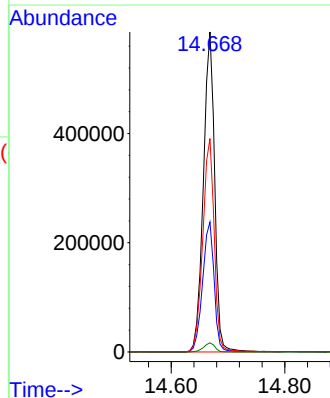


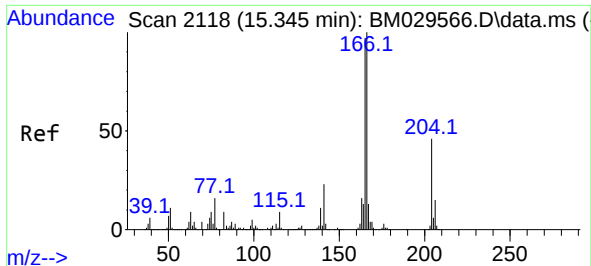
Tgt Ion:154 Resp: 586630
Ion Ratio Lower Upper
154 100
153 112.3 92.2 138.2
152 53.8 43.4 65.2



#57
2,4-Dinitrotoluene
Concen: 159.27 ng
RT: 14.668 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:165 Resp: 808341
Ion Ratio Lower Upper
165 100
63 40.6 35.0 52.4
89 66.7 55.2 82.8
182 2.9 2.6 3.8

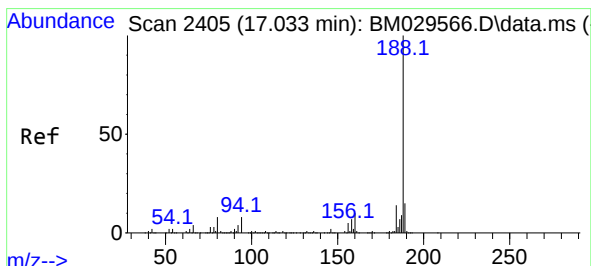
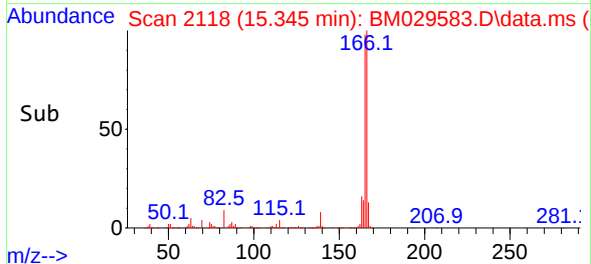
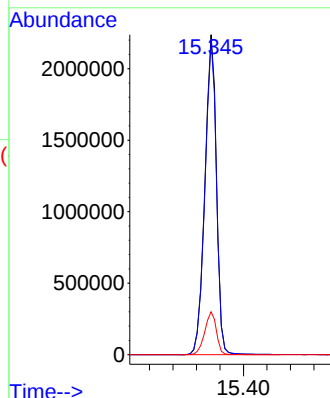
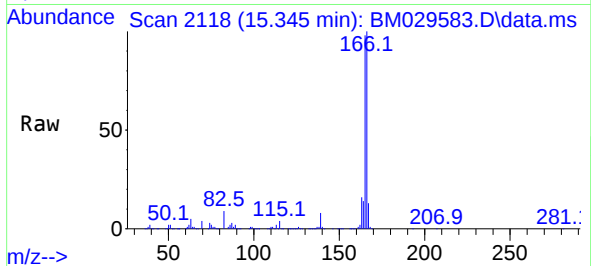




#58
Fluorene
Concen: 169.79 ng
RT: 15.345 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

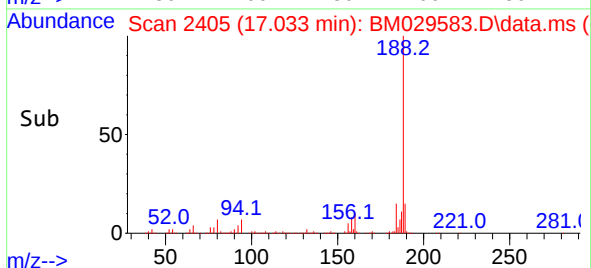
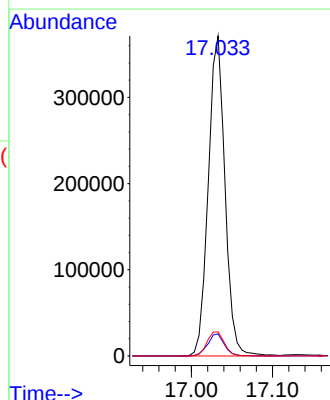
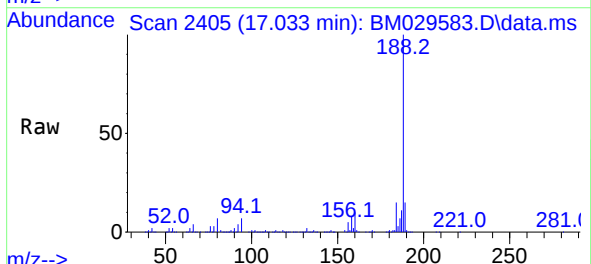
Instrument :
BNA_M
ClientSampleId :
38072-033121

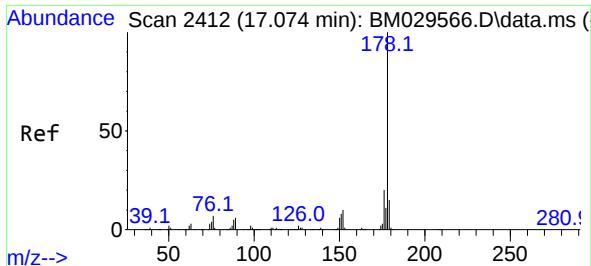
Tgt Ion:166 Resp: 3055171
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.6
167 13.4 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.033 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:188 Resp: 529324
Ion Ratio Lower Upper
188 100
94 6.9 6.0 9.0
80 7.5 6.6 9.8

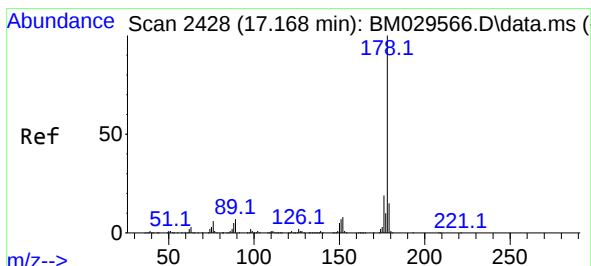
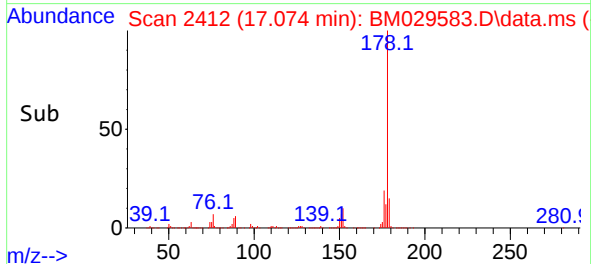
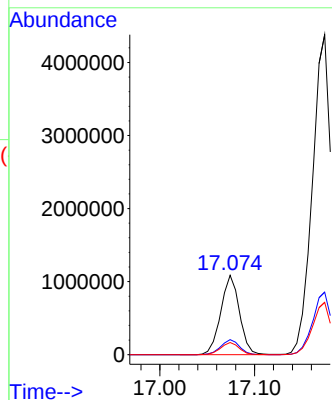
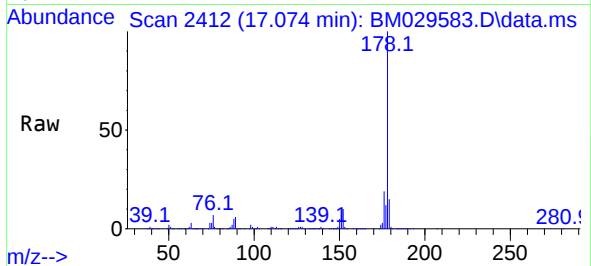




#71
Phenanthrene
Concen: 48.85 ng
RT: 17.074 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

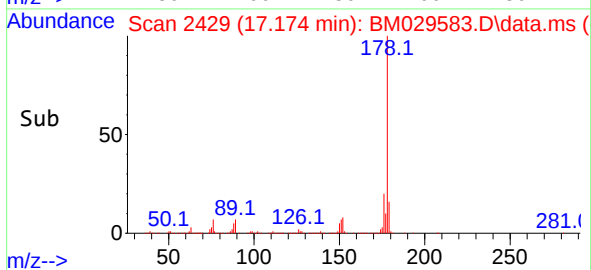
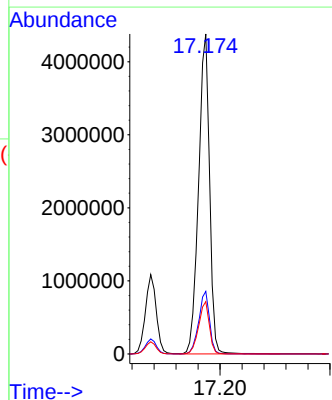
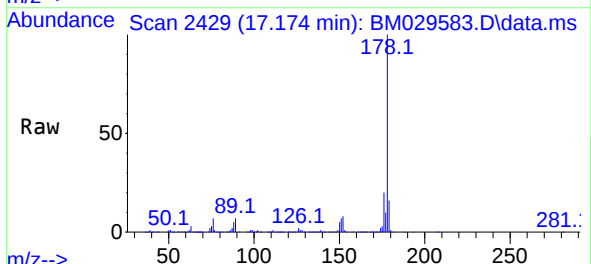
Instrument :
BNA_M
ClientSampleId :
38072-033121

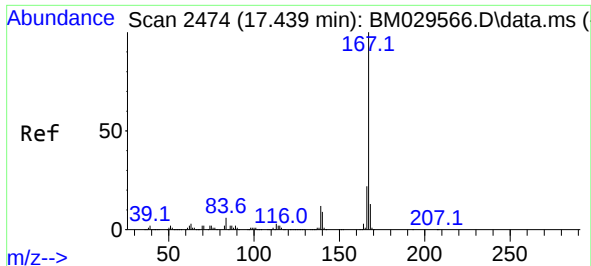
Tgt Ion:178 Resp: 1488820
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.2 12.2 18.4



#72
Anthracene
Concen: 202.09 ng
RT: 17.174 min Scan# 2429
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:178 Resp: 6076799
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 16.3 12.5 18.7



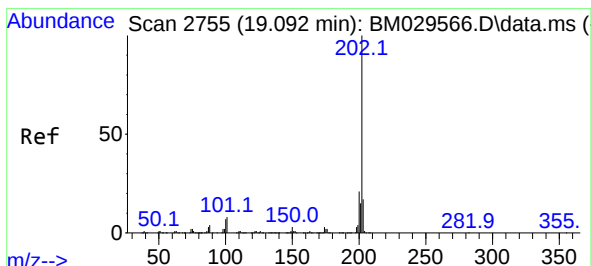
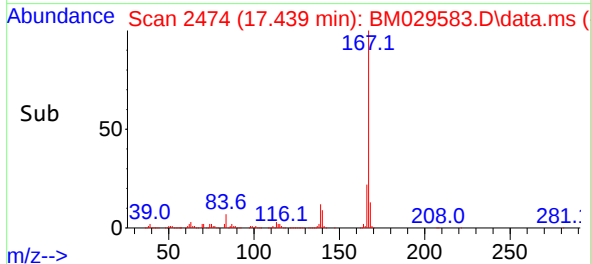
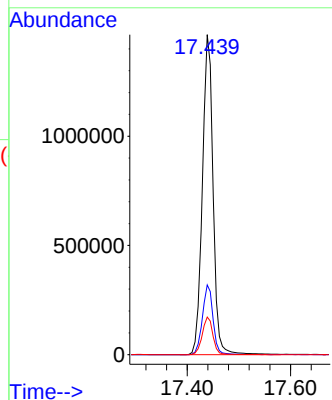
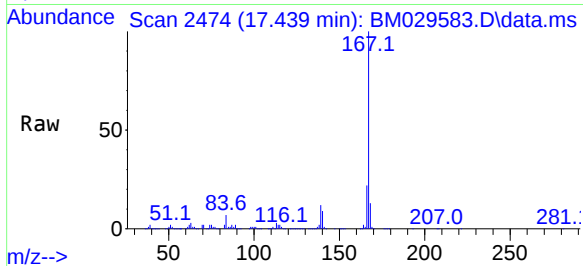


#73
 Carbazole
 Concen: 74.71 ng
 RT: 17.439 min Scan# 2474
 Delta R.T. -0.000 min
 Lab File: BM029583.D
 Acq: 22 Apr 2021 01:26

Instrument :
 BNA_M
 ClientSampleId :
 38072-033121

Tgt Ion:167 Resp: 2104502

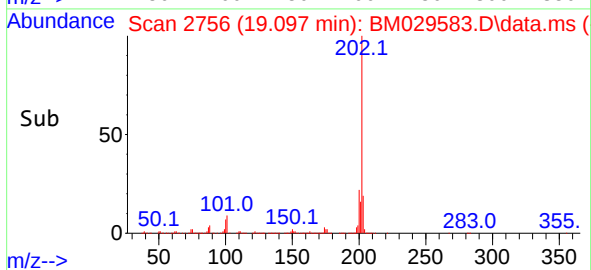
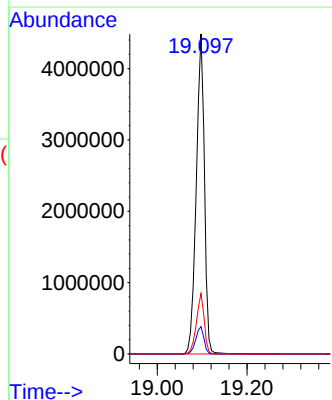
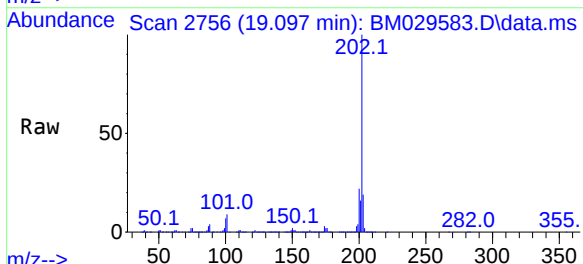
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	11.7	9.8	14.6

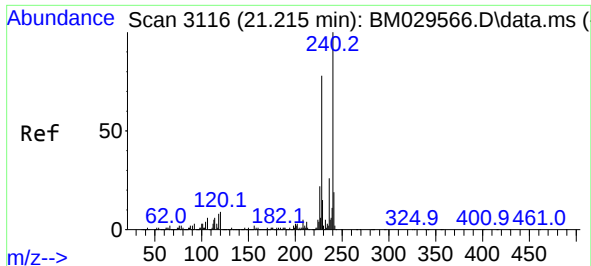


#75
 Fluoranthene
 Concen: 153.46 ng
 RT: 19.097 min Scan# 2756
 Delta R.T. 0.006 min
 Lab File: BM029583.D
 Acq: 22 Apr 2021 01:26

Tgt Ion:202 Resp: 5671758

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.6
203	18.9	0.0	37.3

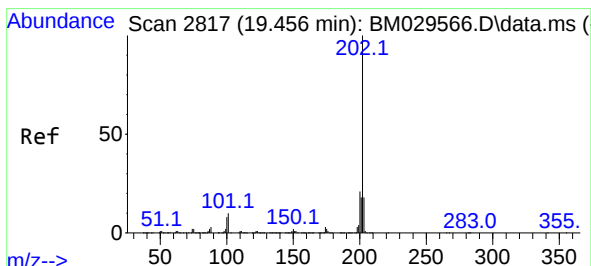
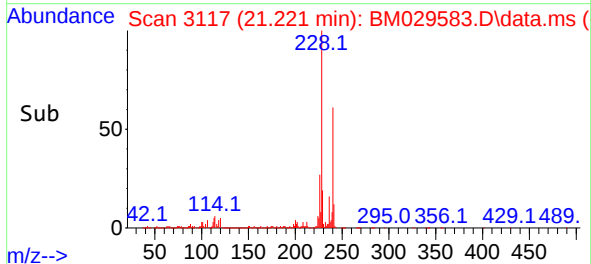
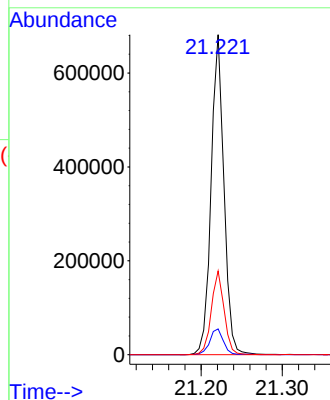
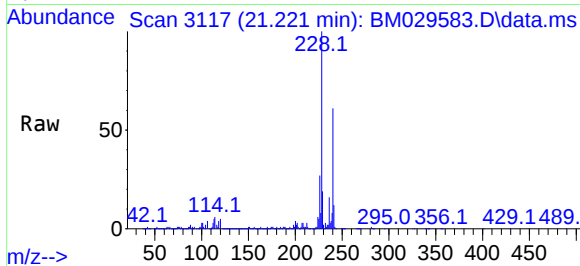




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.221 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

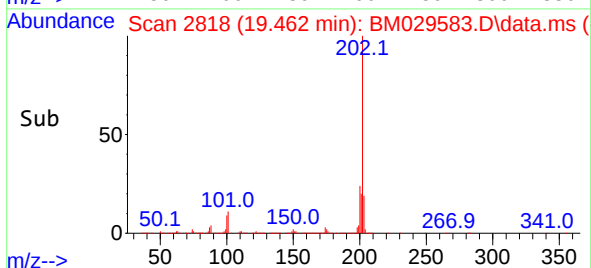
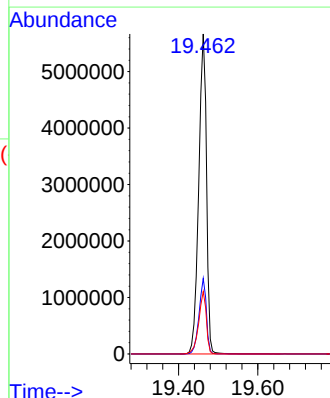
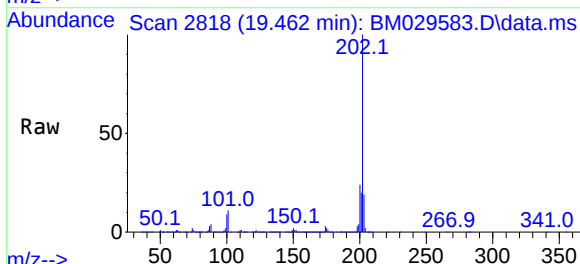
Instrument :
BNA_M
ClientSampleId :
38072-033121

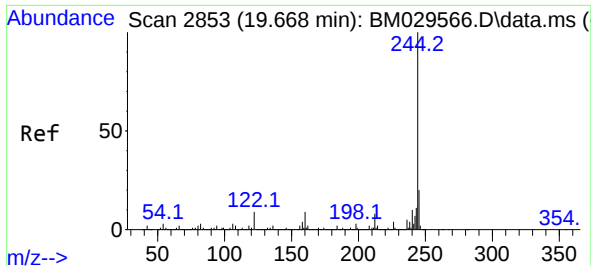
Tgt Ion:240 Resp: 746449
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 26.1 21.0 31.4



#78
Pyrene
Concen: 159.61 ng
RT: 19.462 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:202 Resp: 7664788
Ion Ratio Lower Upper
202 100
200 23.6 17.3 25.9
203 19.5 13.9 20.9

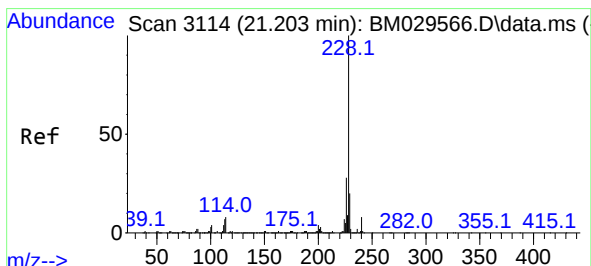
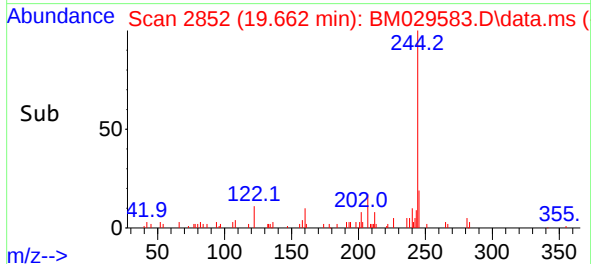
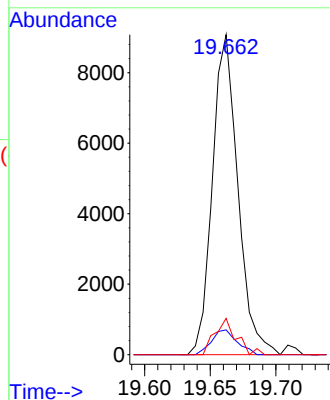
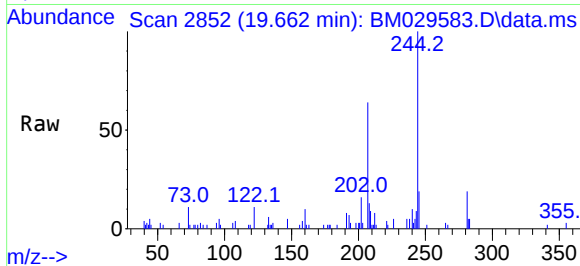




#79
 Terphenyl-d14
 Concen: 0.31 ng
 RT: 19.662 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BM029583.D
 Acq: 22 Apr 2021 01:26

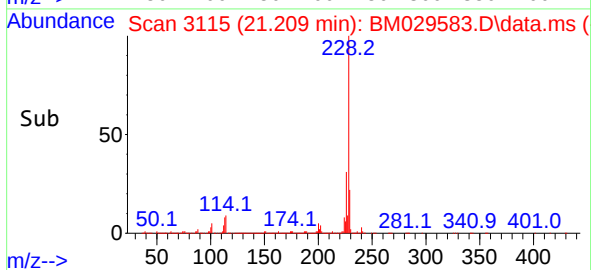
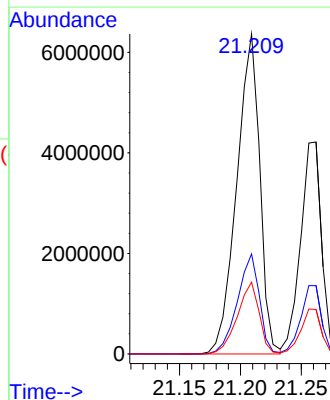
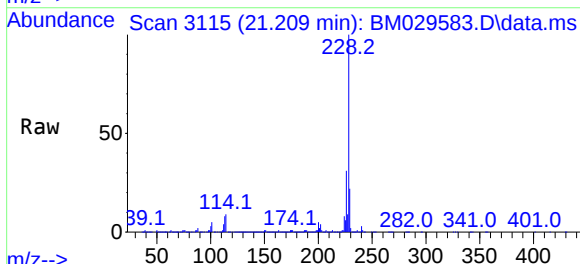
Instrument :
 BNA_M
 ClientSampleId :
 38072-033121

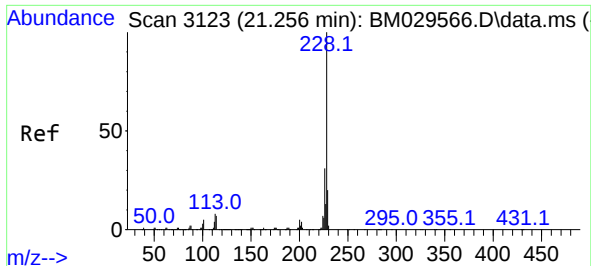
Tgt Ion:244 Resp: 12260
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 11.4 6.9 10.3#



#81
 Benzo(a)anthracene
 Concen: 169.50 ng
 RT: 21.209 min Scan# 3115
 Delta R.T. 0.006 min
 Lab File: BM029583.D
 Acq: 22 Apr 2021 01:26

Tgt Ion:228 Resp: 8370191
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.3 33.5
 229 22.4 15.7 23.5



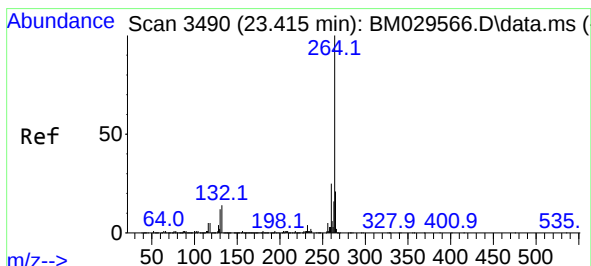
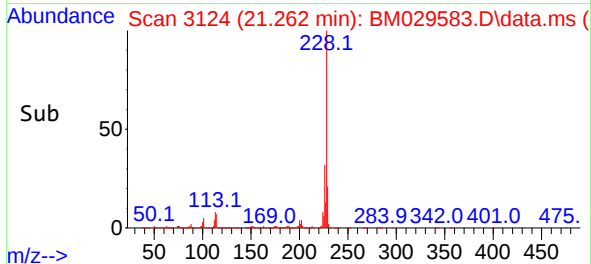
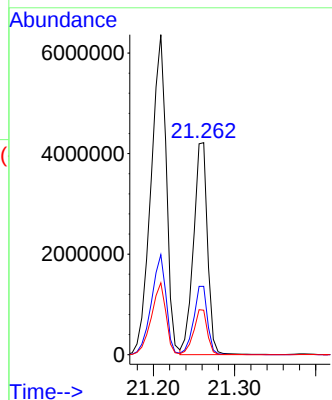
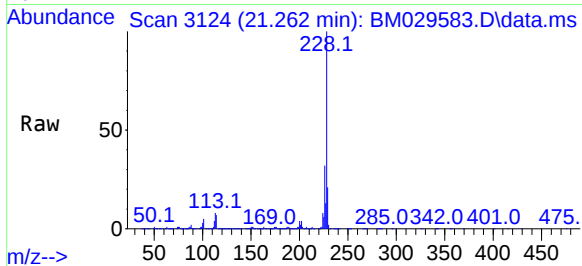


#83
Chrysene
Concen: 104.53 ng
RT: 21.262 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Instrument :
BNA_M
ClientSampleId :
38072-033121

Tgt Ion:228 Resp: 5072564

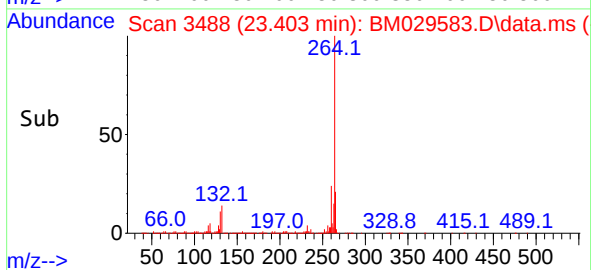
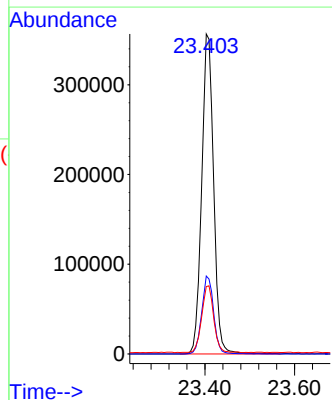
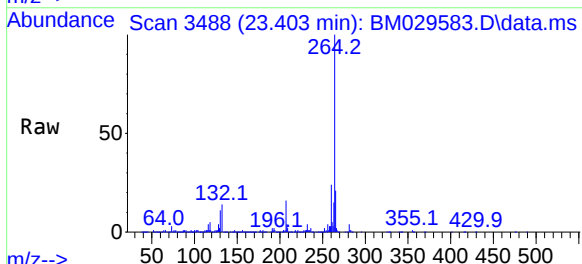
Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	36.8
229	21.0	15.5	23.3

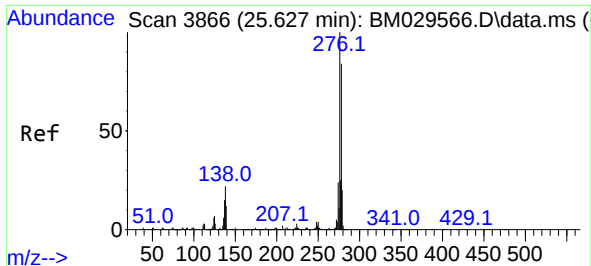


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.403 min Scan# 3488
Delta R.T. -0.012 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:264 Resp: 657231

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	21.1	17.7	26.5

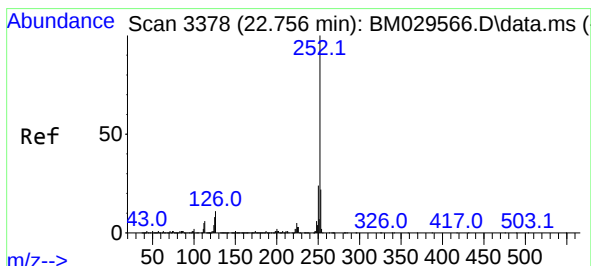
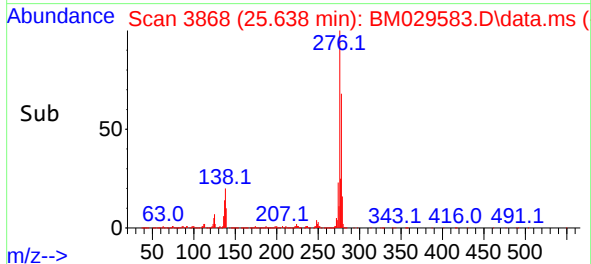
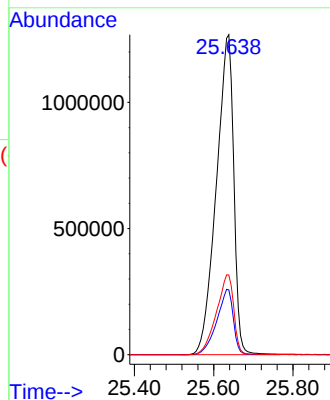
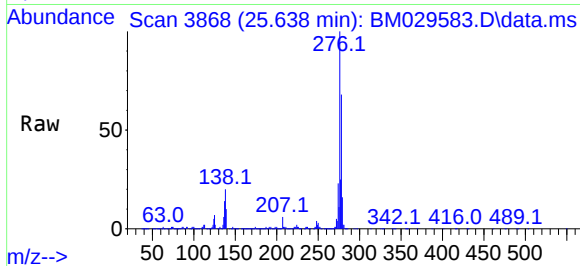




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.11 ng
RT: 25.638 min Scan# 3868
Delta R.T. 0.012 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

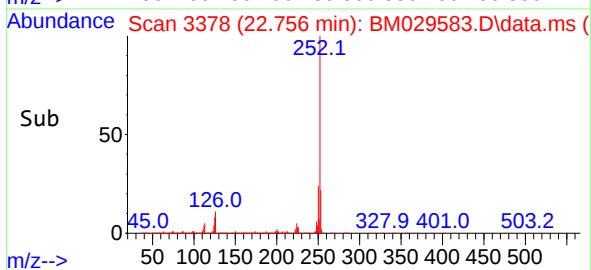
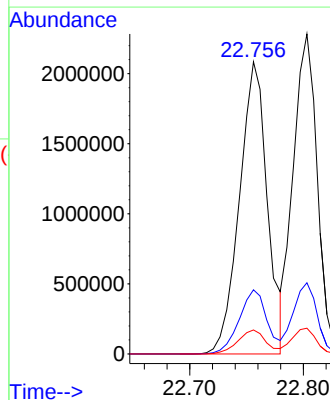
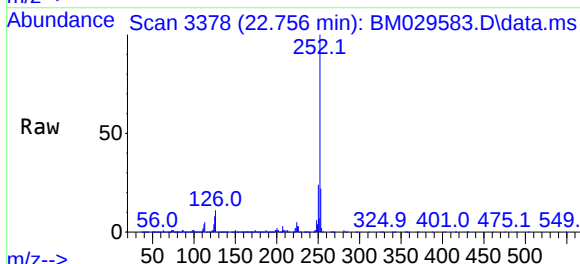
Instrument :
BNA_M
ClientSampleId :
38072-033121

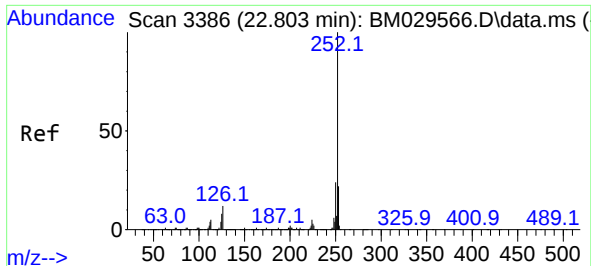
Tgt Ion:276 Resp: 3867669
Ion Ratio Lower Upper
276 100
138 19.4 17.1 25.7
277 24.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 83.06 ng
RT: 22.756 min Scan# 3378
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:252 Resp: 3559767
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 8.2 6.8 10.2





#89

Benzo(k)fluoranthene

Concen: 78.50 ng

RT: 22.803 min Scan# 3386

Delta R.T. -0.000 min

Lab File: BM029583.D

Acq: 22 Apr 2021 01:26

Instrument :

BNA_M

ClientSampleId :

38072-033121

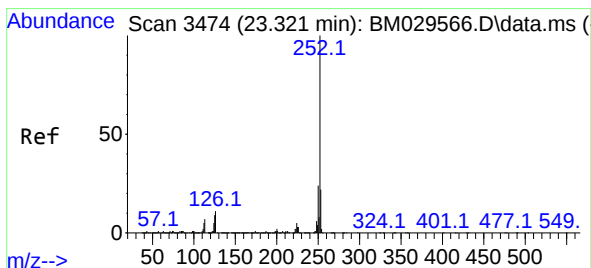
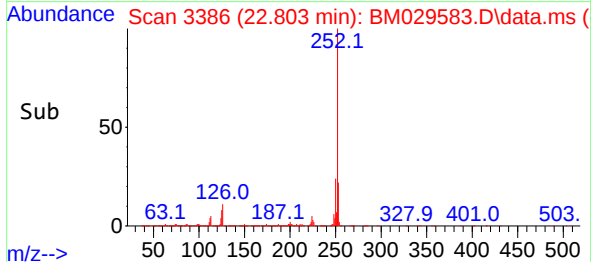
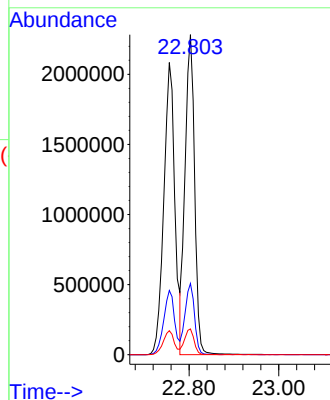
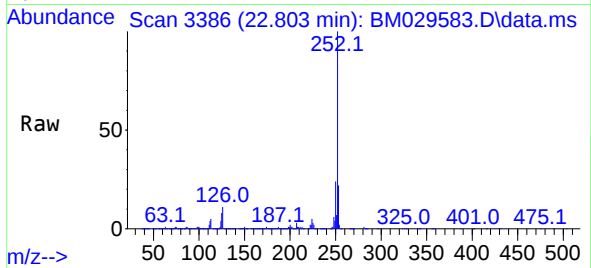
Tgt Ion:252 Resp: 3372231

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 8.0 6.2 9.2



#90

Benzo(a)pyrene

Concen: 69.38 ng

RT: 23.321 min Scan# 3474

Delta R.T. -0.000 min

Lab File: BM029583.D

Acq: 22 Apr 2021 01:26

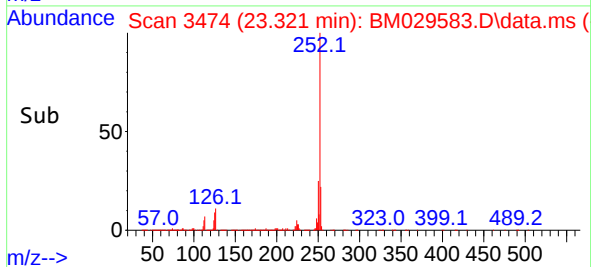
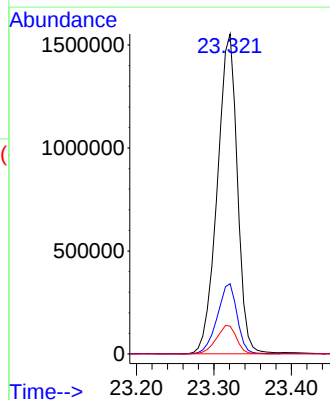
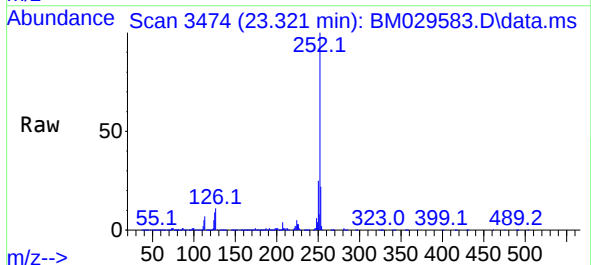
Tgt Ion:252 Resp: 2792007

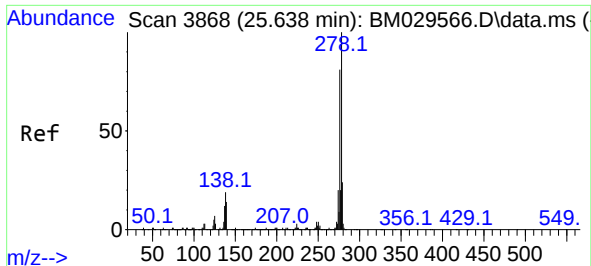
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.7 7.3 10.9

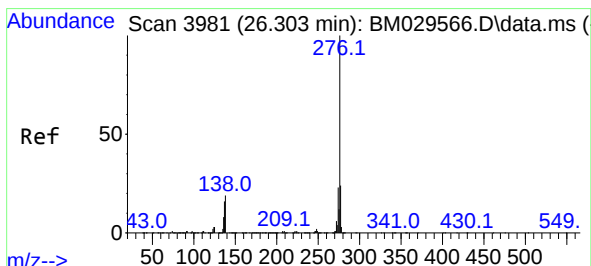
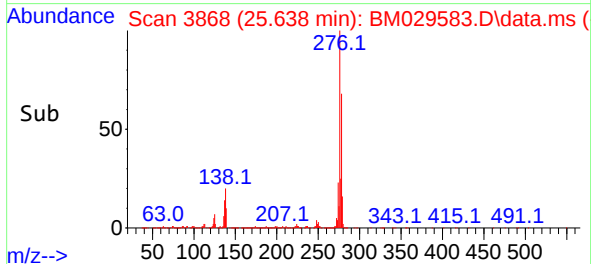
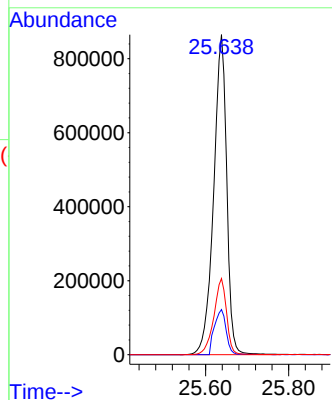
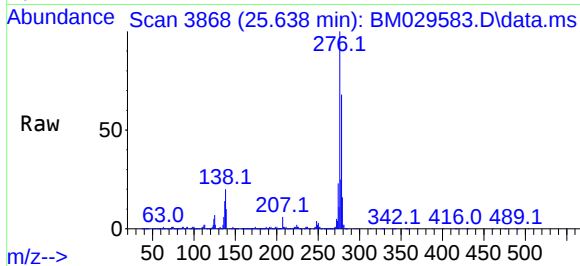




#91
Dibenzo(a,h)anthracene
Concen: 43.04 ng
RT: 25.638 min Scan# 3868
Delta R.T. -0.000 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Instrument :
BNA_M
ClientSampleId :
38072-033121

Tgt Ion:278 Resp: 1885791
Ion Ratio Lower Upper
278 100
139 14.1 11.0 16.4
279 23.8 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 133.85 ng
RT: 26.326 min Scan# 3985
Delta R.T. 0.023 min
Lab File: BM029583.D
Acq: 22 Apr 2021 01:26

Tgt Ion:276 Resp: 5423555
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 18.3 14.4 21.6

