

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM03222\
 Data File : BM034319.D
 Acq On : 22 Mar 2022 20:39
 Operator : CG/JU
 Sample : N1977-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-20220315-15.0-16.0

Quant Time: Mar 23 05:06:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

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

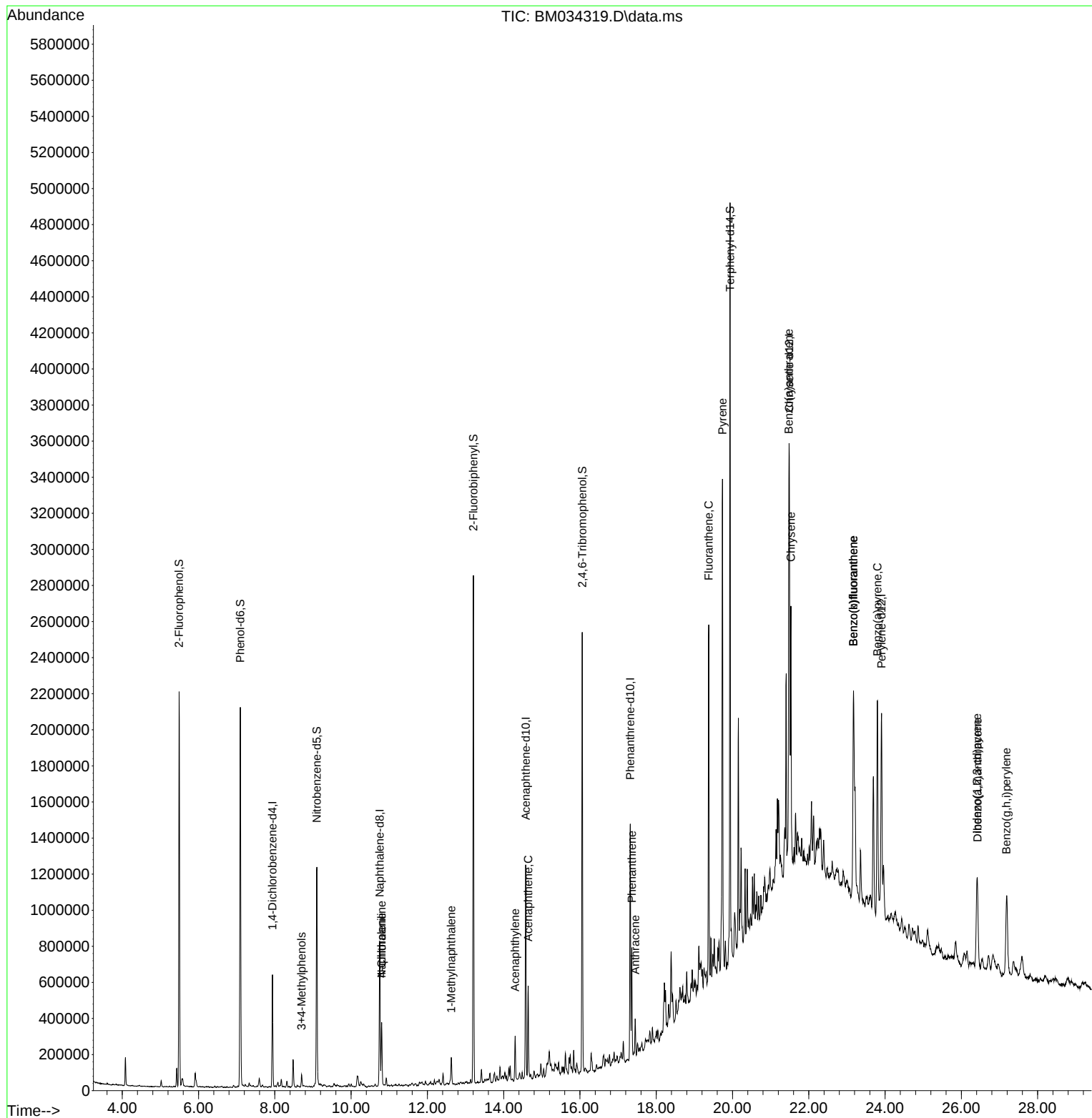
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	158303	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	630563	20.000	ng	-0.02
39) Acenaphthene-d10	14.578	164	385843	20.000	ng	-0.01
64) Phenanthrene-d10	17.319	188	750763	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	770346	20.000	ng	-0.01
86) Perylene-d12	23.906	264	847330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	861569	97.637	ng	-0.01
7) Phenol-d6	7.096	99	1103412	87.335	ng	-0.01
23) Nitrobenzene-d5	9.101	82	696949	53.813	ng	-0.01
42) 2,4,6-Tribromophenol	16.060	330	407616	78.378	ng	-0.01
45) 2-Fluorobiphenyl	13.207	172	1347007	47.705	ng	-0.01
79) Terphenyl-d14	19.936	244	1850696	41.745	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.701	107	31410	2.581	ng	87
31) Naphthalene	10.801	128	261926	7.973	ng	100
33) 4-Chloroaniline	10.801	127	34009	2.624	ng	# 36
38) 1-Methylnaphthalene	12.625	142	67183	2.930	ng	95
49) Acenaphthylene	14.301	152	145330	4.129	ng	98
52) Acenaphthene	14.642	154	173063	7.300	ng	98
71) Phenanthrene	17.360	178	336639	8.007	ng	99
72) Anthracene	17.448	178	127815	3.123	ng	97
75) Fluoranthene	19.377	202	1061217	22.515	ng	99
78) Pyrene	19.736	202	1623946	29.921	ng	99
81) Benzo(a)anthracene	21.477	228	878603	18.070	ng	94
83) Chrysene	21.530	228	777996	15.669	ng	97
87) Indeno(1,2,3-cd)pyrene	26.412	276	555522	10.192	ng	98
88) Benzo(b)fluoranthene	23.171	252	1408626	27.801	ng	# 96
89) Benzo(k)fluoranthene	23.171	252	1408626	26.244	ng	# 96
90) Benzo(a)pyrene	23.800	252	923218	21.493	ng	97
91) Dibenzo(a,h)anthracene	26.424	278	128446	2.906	ng	# 83
92) Benzo(g,h,i)perylene	27.183	276	620123	13.556	ng	100

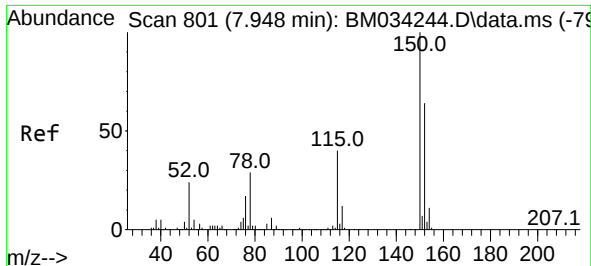
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034319.D
Acq On : 22 Mar 2022 20:39
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 16 02:38:26 2022
Response via : Initial Calibration

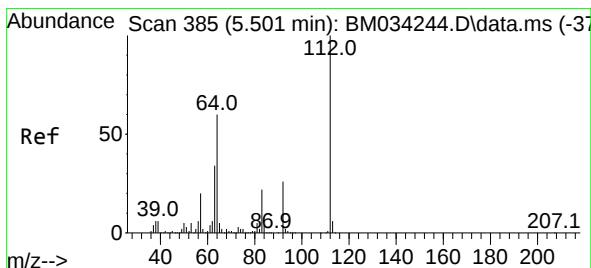
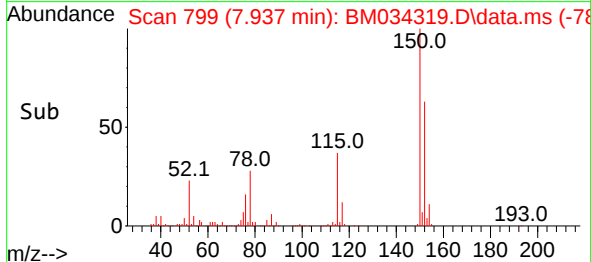
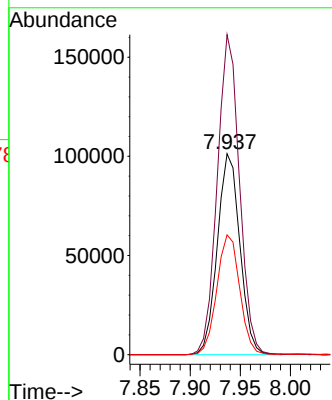
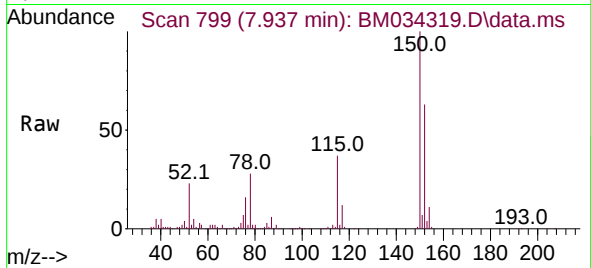




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

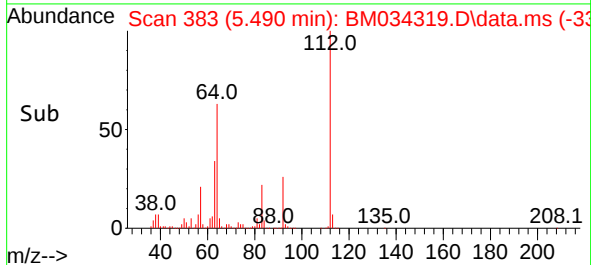
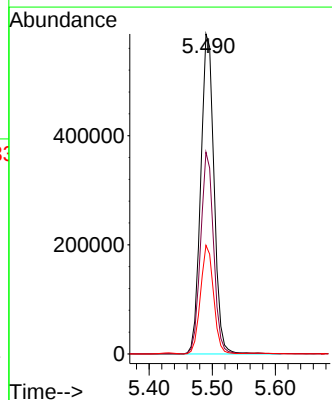
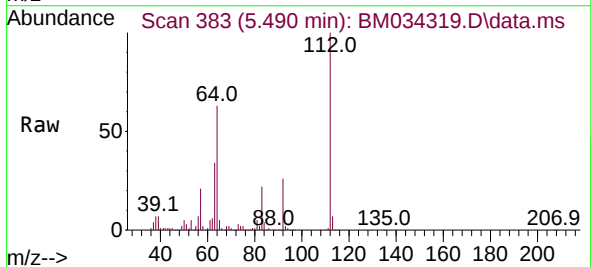
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

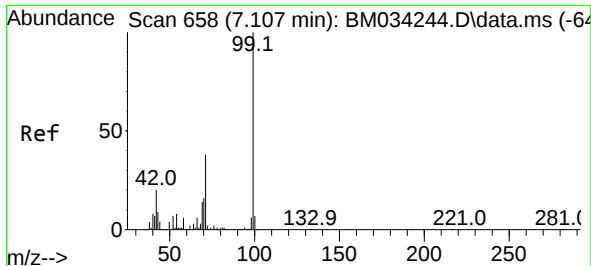
Tgt Ion:152 Resp: 158303
Ion Ratio Lower Upper
152 100
150 159.3 125.4 188.2
115 59.6 50.1 75.1



#5
2-Fluorophenol
Concen: 97.637 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:112 Resp: 861569
Ion Ratio Lower Upper
112 100
64 63.0 47.9 71.9
63 34.0 27.1 40.7

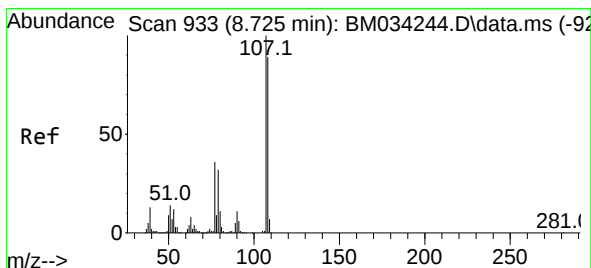
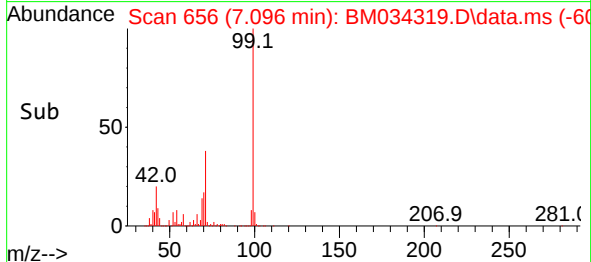
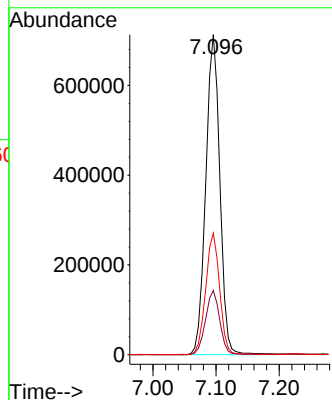
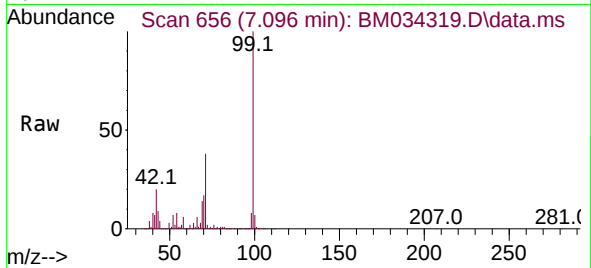




#7
Phenol-d6
Concen: 87.335 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

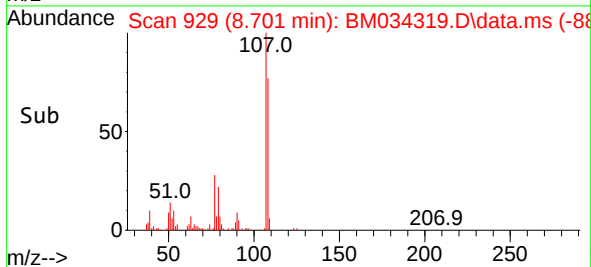
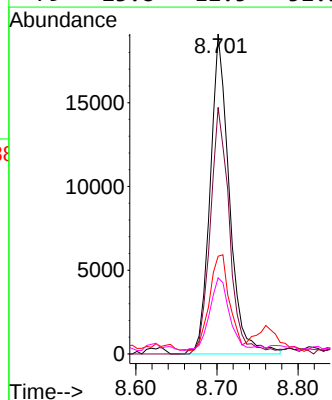
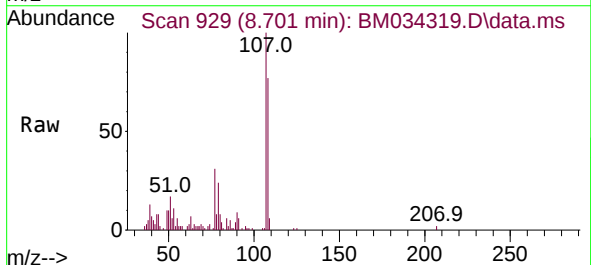
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

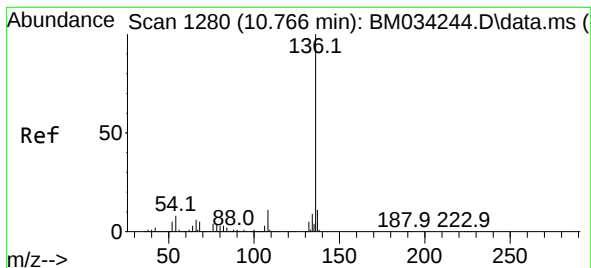
Tgt Ion: 99 Resp: 1103412
Ion Ratio Lower Upper
99 100
42 20.0 15.6 23.4
71 38.0 30.6 46.0



#20
3+4-Methylphenols
Concen: 2.581 ng
RT: 8.701 min Scan# 929
Delta R.T. -0.023 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion: 107 Resp: 31410
Ion Ratio Lower Upper
107 100
108 77.0 69.2 109.2
77 30.6 16.5 56.5
79 23.8 12.5 52.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.748 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

Instrument :

BNA_M

ClientSampleId :

SB-14-20220315-15.0-16.0

Tgt Ion:136 Resp: 630563

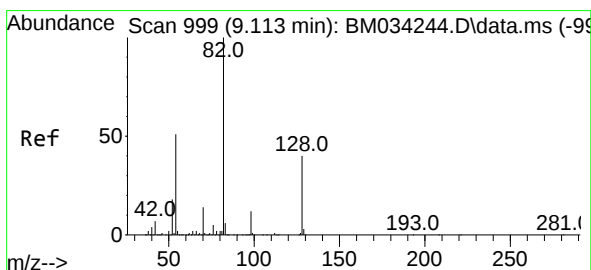
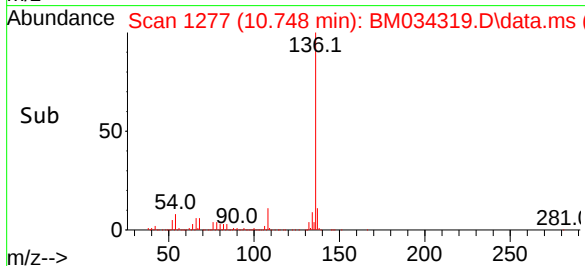
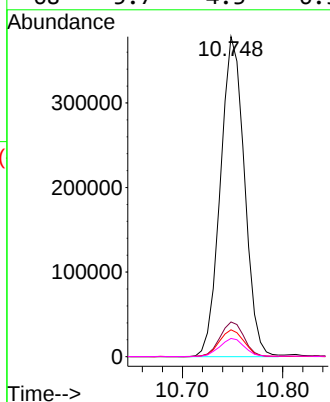
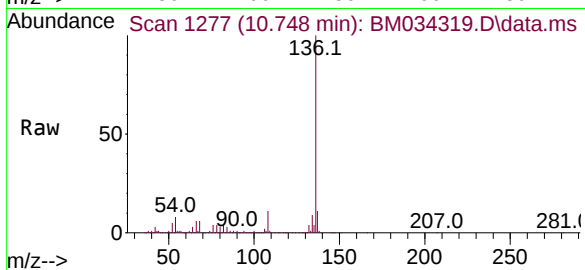
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.4 6.2 9.4

68 5.7 4.3 6.5



#23

Nitrobenzene-d5

Concen: 53.813 ng

RT: 9.101 min Scan# 997

Delta R.T. -0.011 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

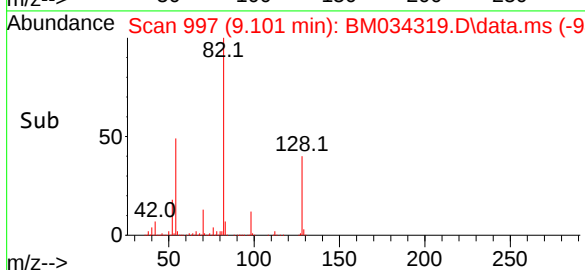
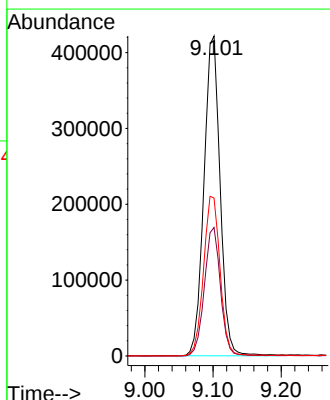
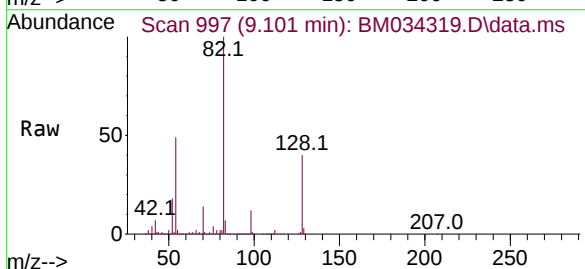
Tgt Ion: 82 Resp: 696949

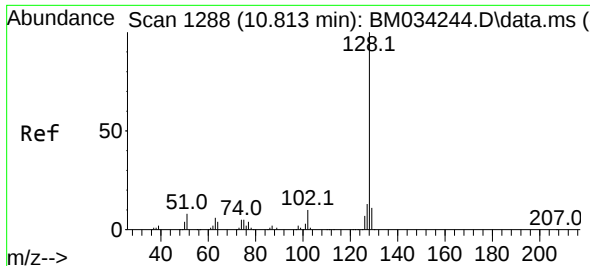
Ion Ratio Lower Upper

82 100

128 40.2 31.9 47.9

54 49.3 40.6 61.0

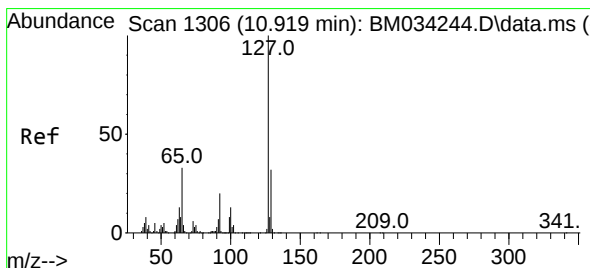
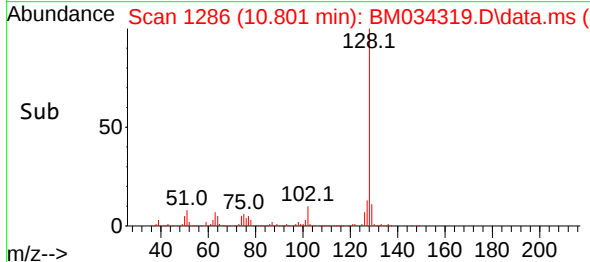
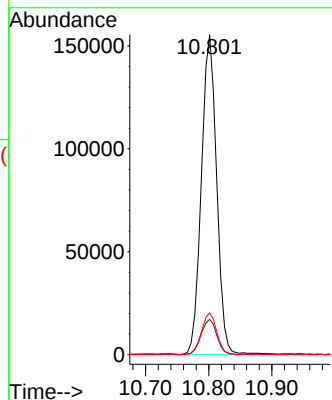
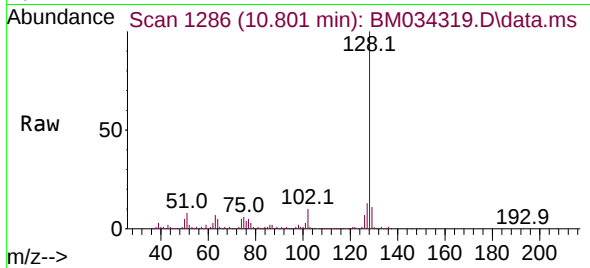




#31
Naphthalene
Concen: 7.973 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

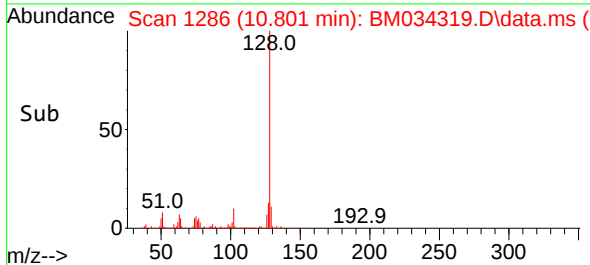
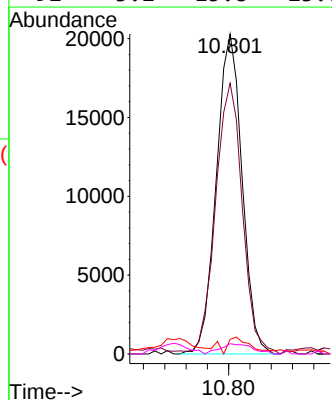
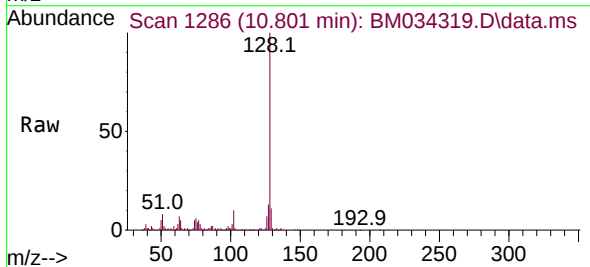
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

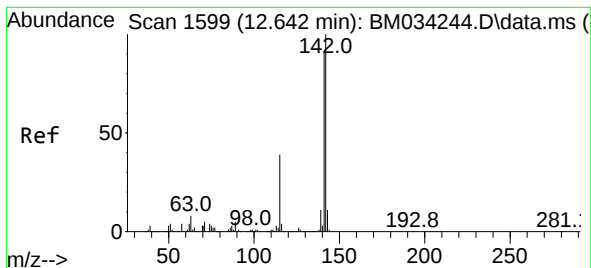
Tgt Ion:128 Resp: 261926
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.2 15.4



#33
4-Chloroaniline
Concen: 2.624 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.117 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:127 Resp: 34009
Ion Ratio Lower Upper
127 100
129 84.6 25.4 38.2#
65 4.5 26.2 39.2#
92 3.2 15.8 23.6#





#38

1-Methylnaphthalene

Concen: 2.930 ng

RT: 12.625 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM034319.D

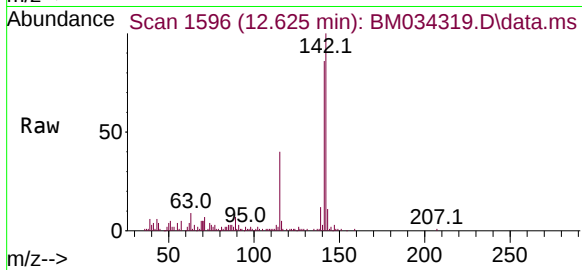
Acq: 22 Mar 2022 20:39

Instrument :

BNA_M

ClientSampleId :

SB-14-20220315-15.0-16.0



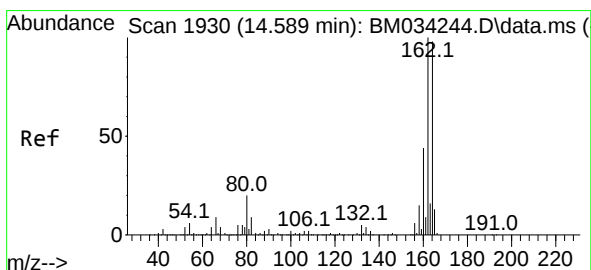
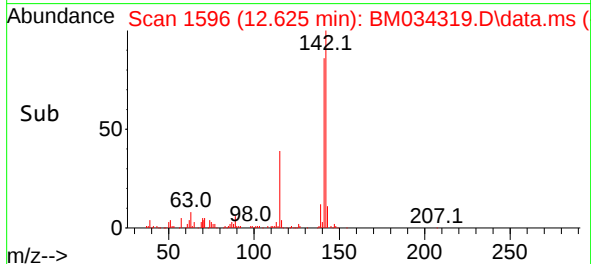
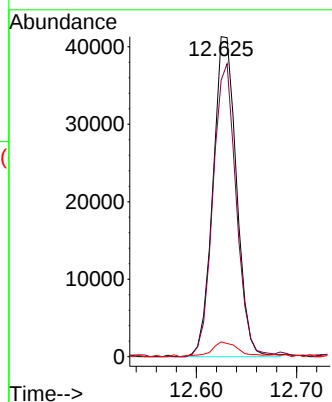
Tgt Ion:142 Resp: 67183

Ion Ratio Lower Upper

142 100

141 86.4 73.0 109.6

116 4.6 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.578 min Scan# 1928

Delta R.T. -0.011 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

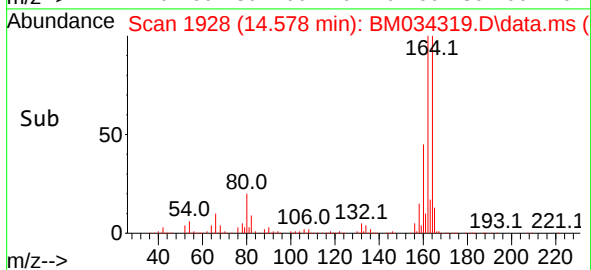
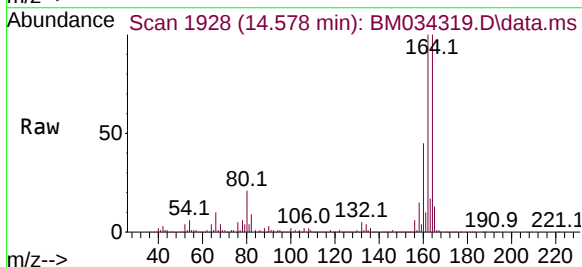
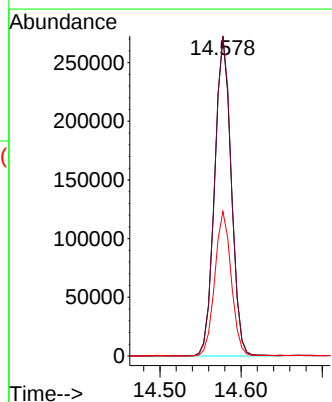
Tgt Ion:164 Resp: 385843

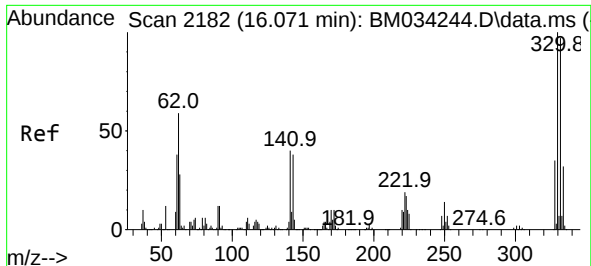
Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 45.3 35.6 53.4

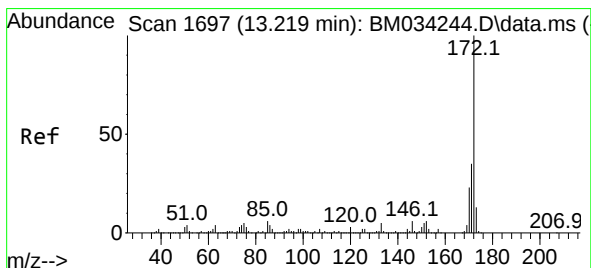
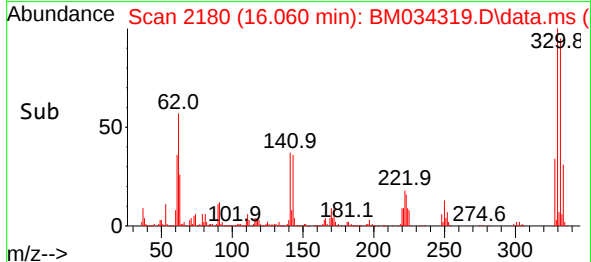
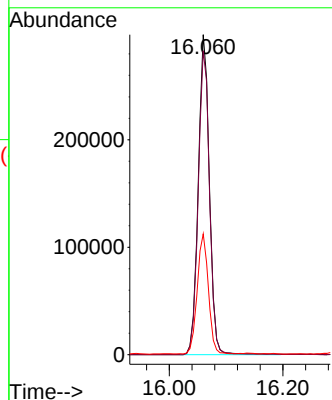
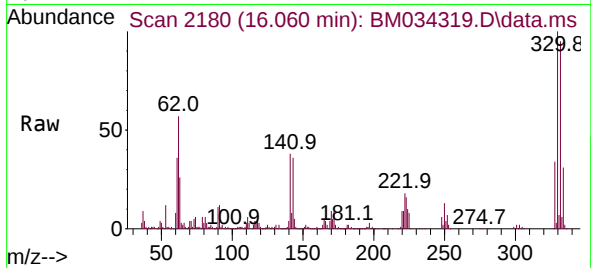




#42
2,4,6-Tribromophenol
Concen: 78.378 ng
RT: 16.060 min Scan# 2182
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

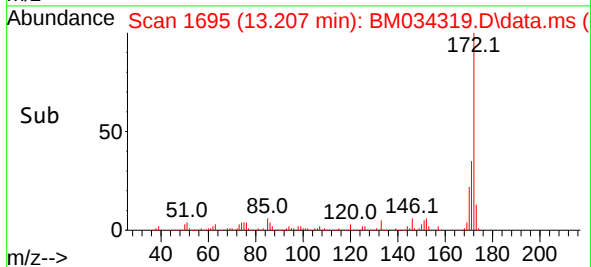
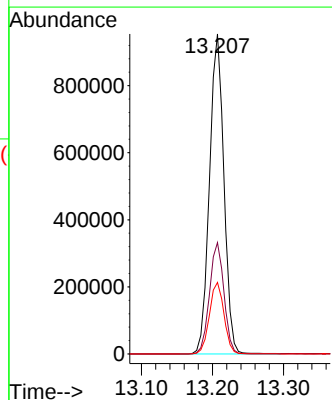
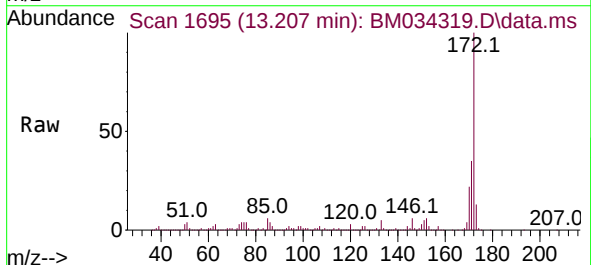
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

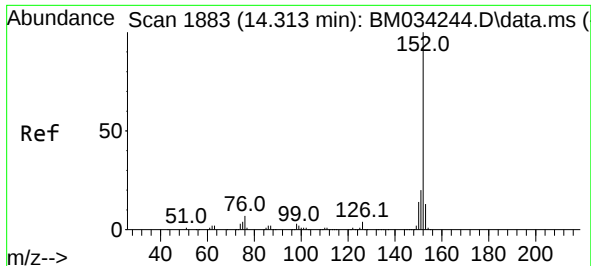
Tgt Ion:330 Resp: 407616
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.4
141 37.4 30.6 45.8



#45
2-Fluorobiphenyl
Concen: 47.705 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:172 Resp: 1347007
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 22.4 18.6 28.0

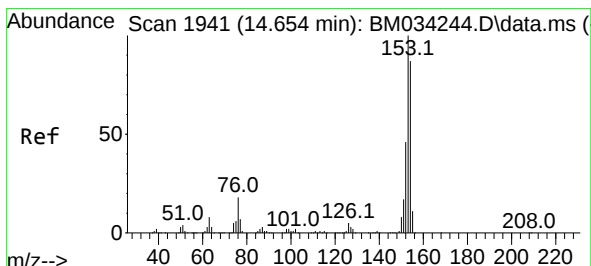
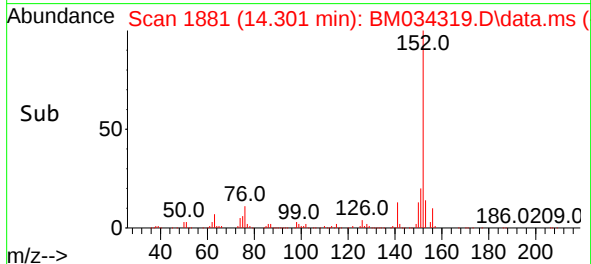
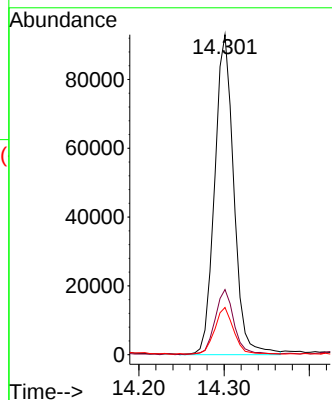
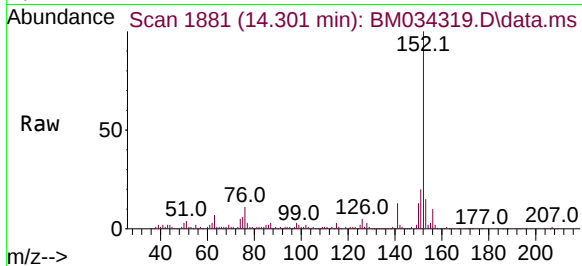




#49
Acenaphthylene
Concen: 4.129 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

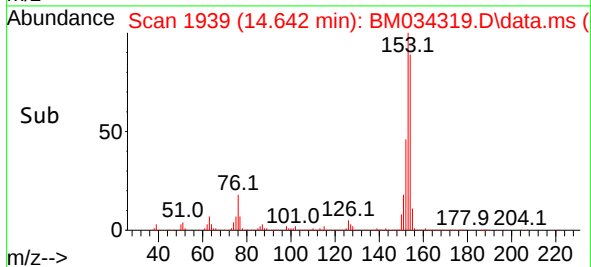
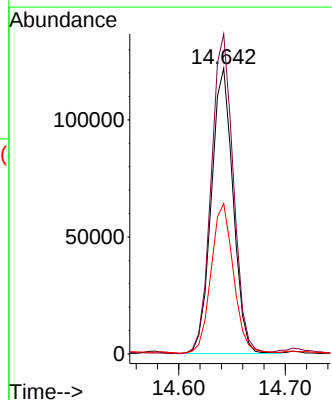
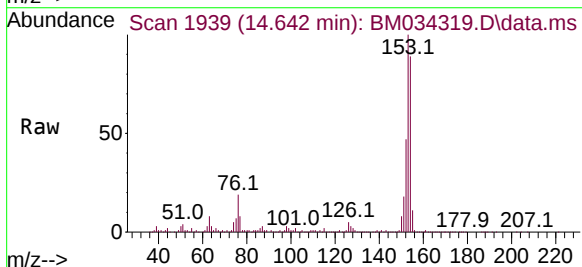
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

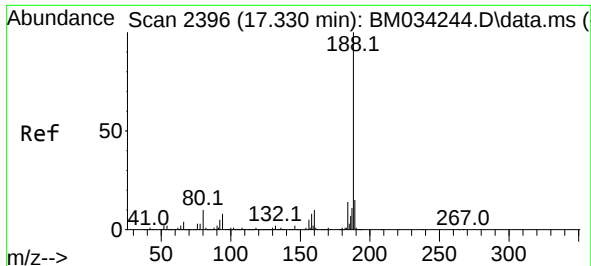
Tgt Ion:152 Resp: 145330
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.8 10.6 16.0



#52
Acenaphthene
Concen: 7.300 ng
RT: 14.642 min Scan# 1939
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:154 Resp: 173063
Ion Ratio Lower Upper
154 100
153 112.1 91.8 137.8
152 52.7 42.6 64.0

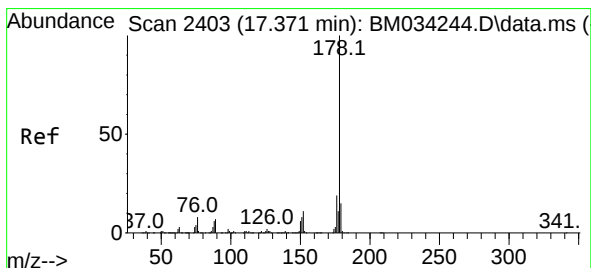
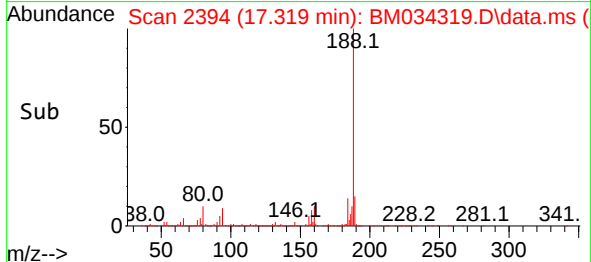
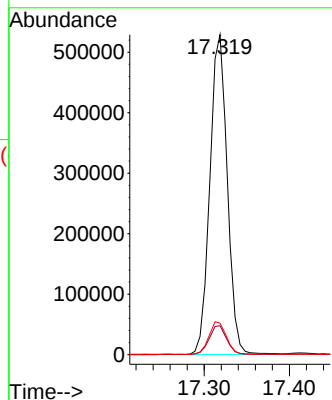
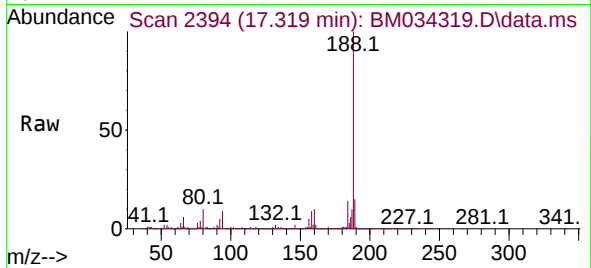




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

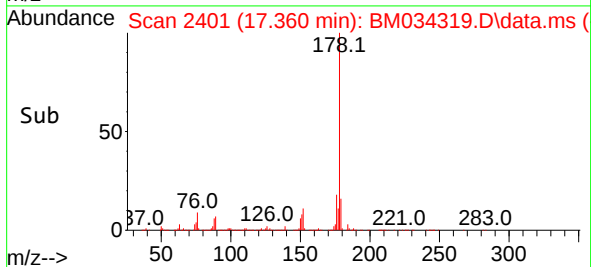
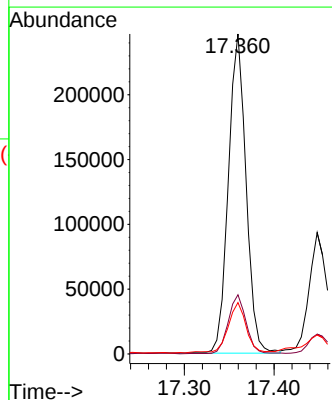
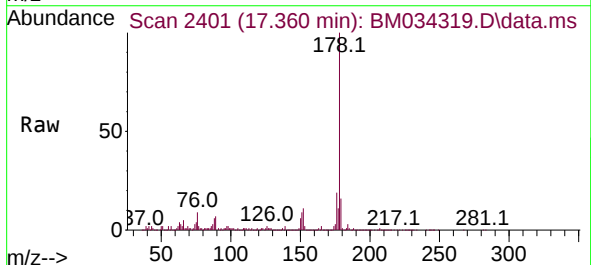
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

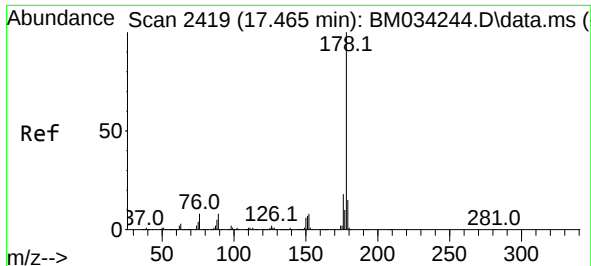
Tgt Ion:188 Resp: 750763
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 9.9 7.8 11.8



#71
Phenanthrene
Concen: 8.007 ng
RT: 17.360 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:178 Resp: 336639
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 16.0 12.2 18.4

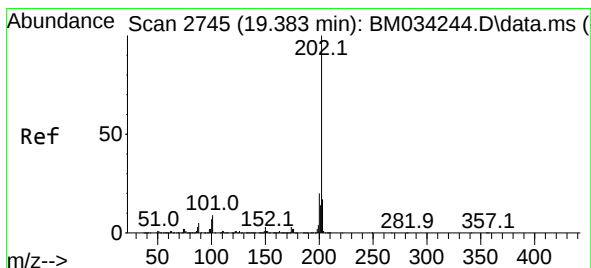
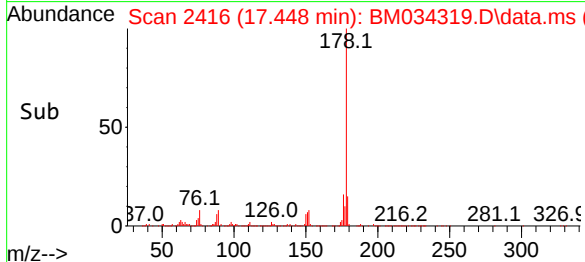
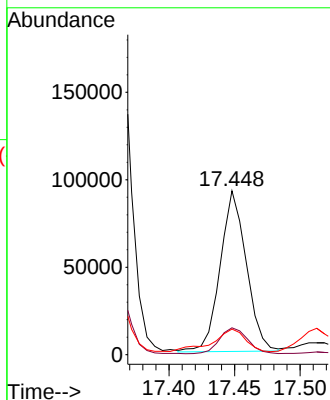
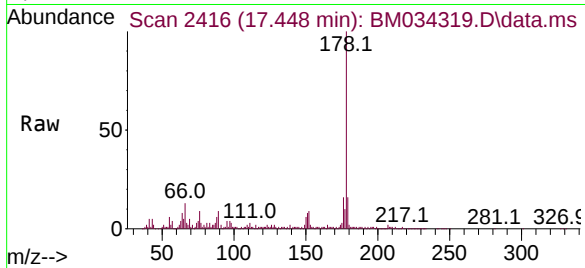




#72
 Anthracene
 Concen: 3.123 ng
 RT: 17.448 min Scan# 2419
 Delta R.T. -0.017 min
 Lab File: BM034319.D
 Acq: 22 Mar 2022 20:39

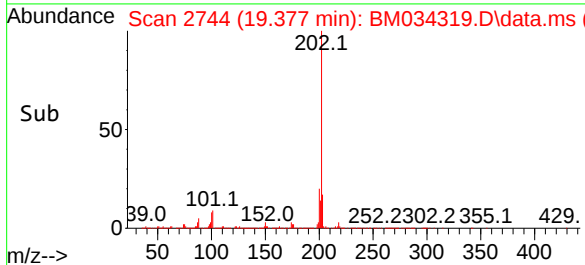
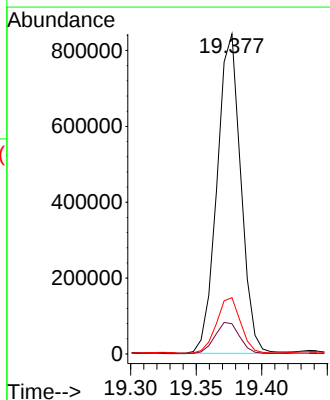
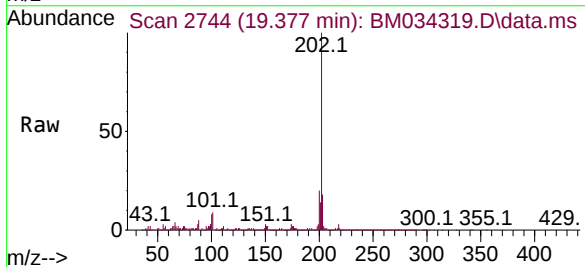
Instrument :
 BNA_M
 ClientSampleId :
 SB-14-20220315-15.0-16.0

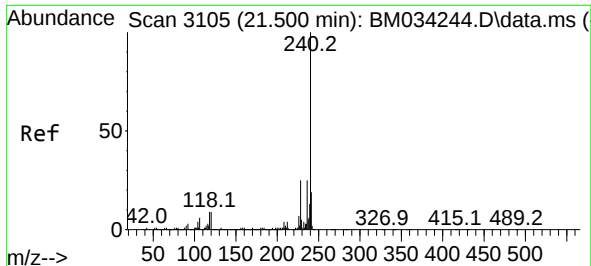
Tgt Ion:178 Resp: 127815
 Ion Ratio Lower Upper
 178 100
 176 16.4 14.6 22.0
 179 15.7 12.2 18.2



#75
 Fluoranthene
 Concen: 22.515 ng
 RT: 19.377 min Scan# 2744
 Delta R.T. -0.006 min
 Lab File: BM034319.D
 Acq: 22 Mar 2022 20:39

Tgt Ion:202 Resp: 1061217
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.4
 203 17.6 0.0 37.1

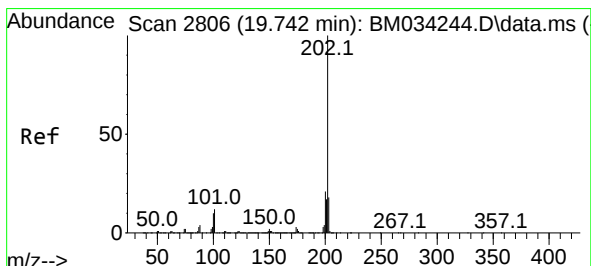
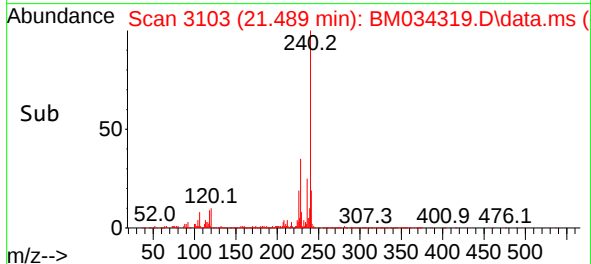
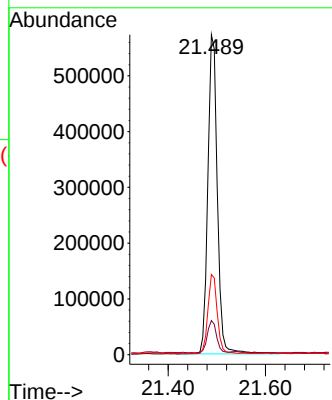
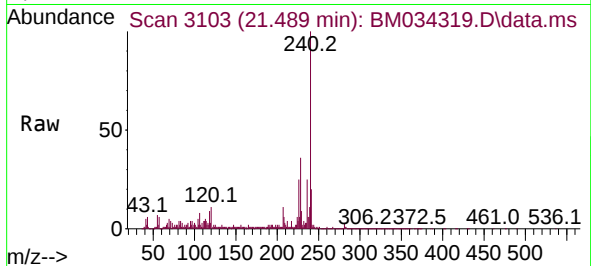




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

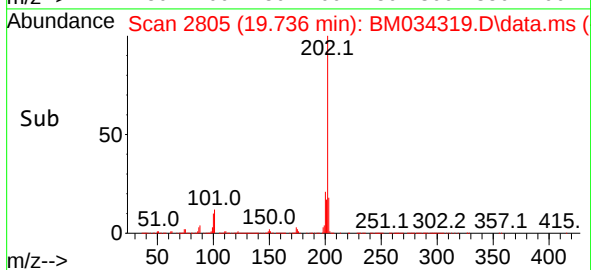
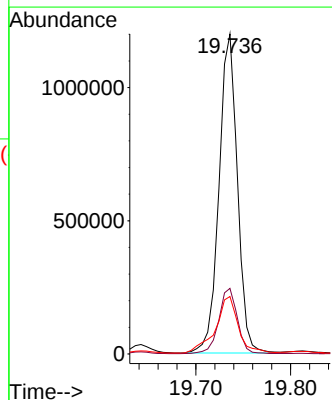
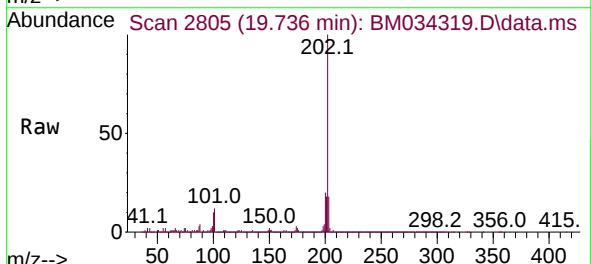
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

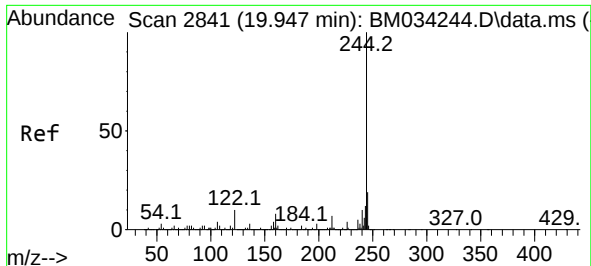
Tgt Ion:240 Resp: 770346
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.1 20.2 30.2



#78
Pyrene
Concen: 29.921 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:202 Resp: 1623946
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.0 14.1 21.1

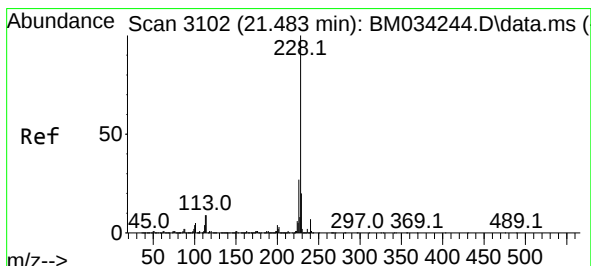
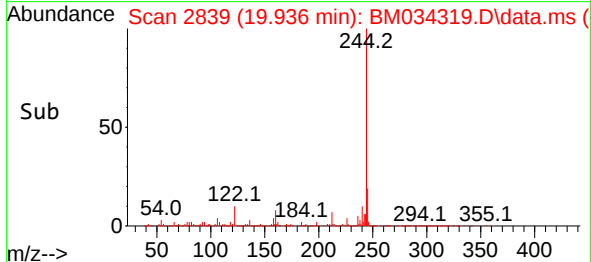
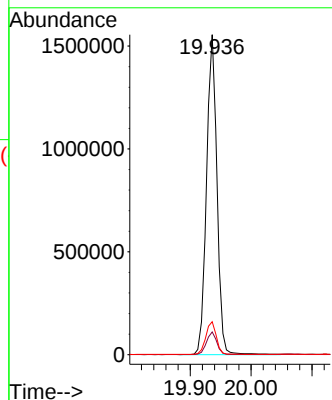
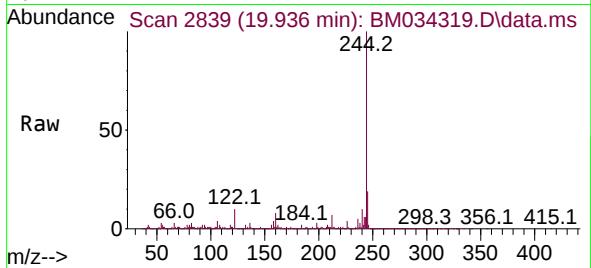




#79
 Terphenyl-d14
 Concen: 41.745 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM034319.D
 Acq: 22 Mar 2022 20:39

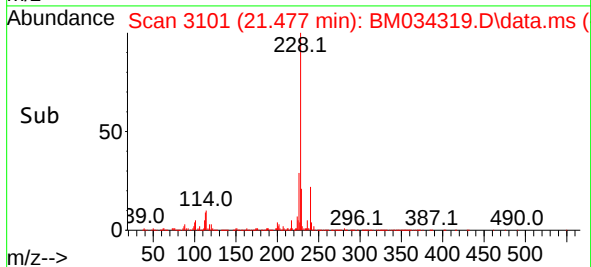
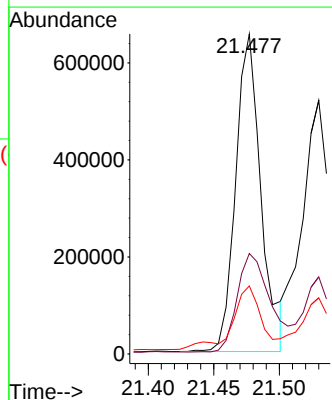
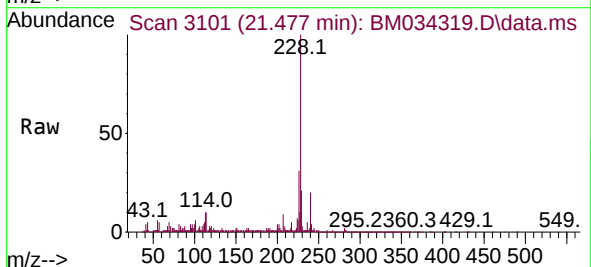
Instrument :
 BNA_M
 ClientSampleId :
 SB-14-20220315-15.0-16.0

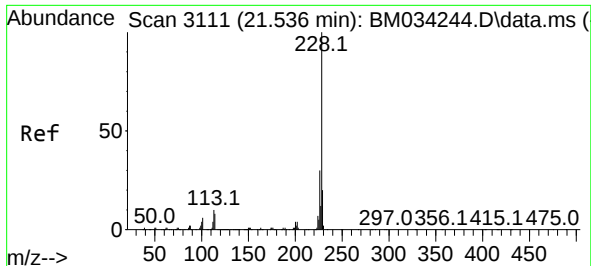
Tgt Ion:244 Resp: 1850696
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.3 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 18.070 ng
 RT: 21.477 min Scan# 3101
 Delta R.T. -0.006 min
 Lab File: BM034319.D
 Acq: 22 Mar 2022 20:39

Tgt Ion:228 Resp: 878603
 Ion Ratio Lower Upper
 228 100
 226 31.4 21.6 32.4
 229 21.2 15.8 23.6

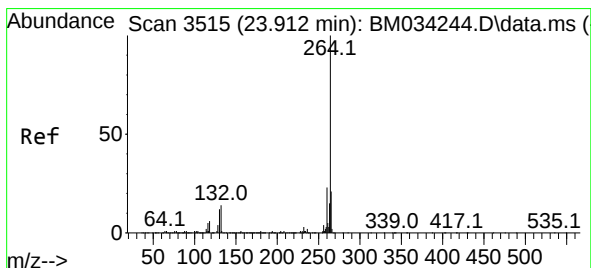
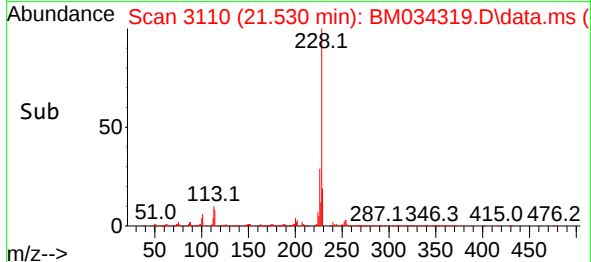
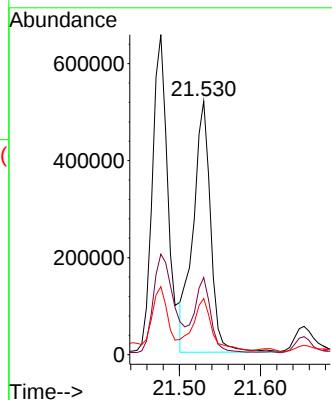
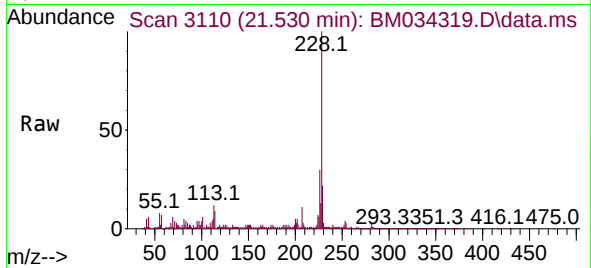




#83
Chrysene
Concen: 15.669 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

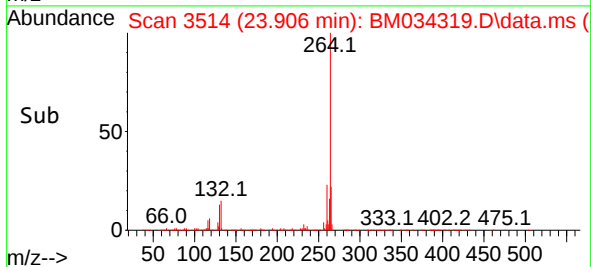
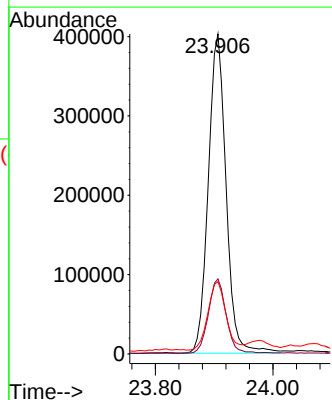
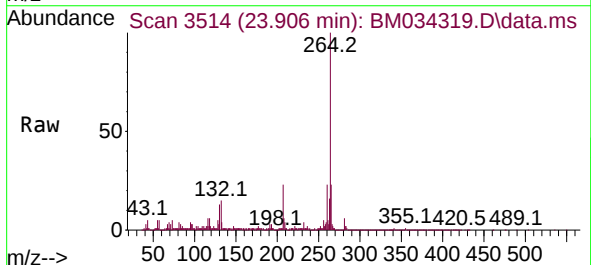
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

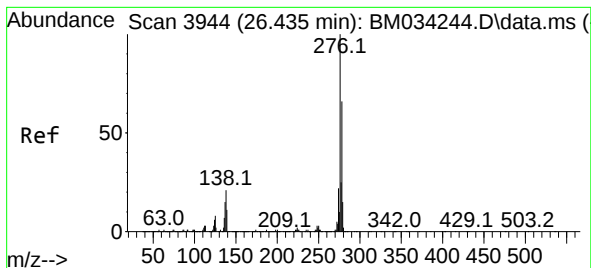
Tgt Ion:	228	Resp:	777996
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	22.2	15.6	23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:	264	Resp:	847330
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.6	28.0
265	22.6	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.192 ng

RT: 26.412 min Scan# 3944

Delta R.T. -0.023 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

Instrument :

BNA_M

ClientSampleId :

SB-14-20220315-15.0-16.0

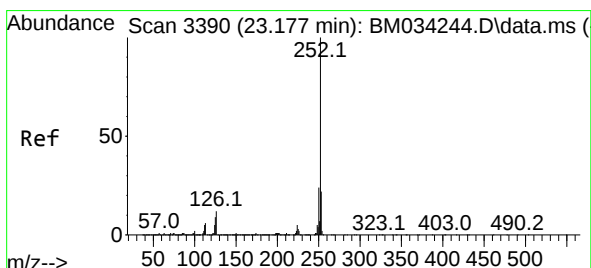
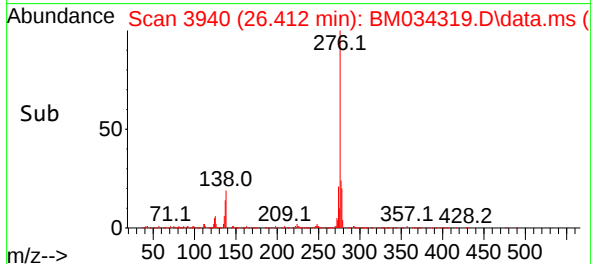
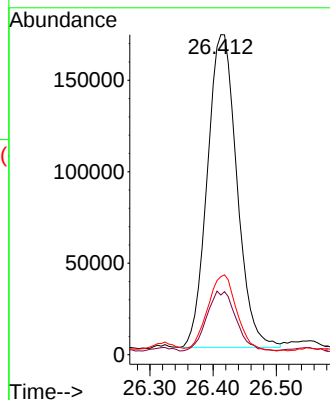
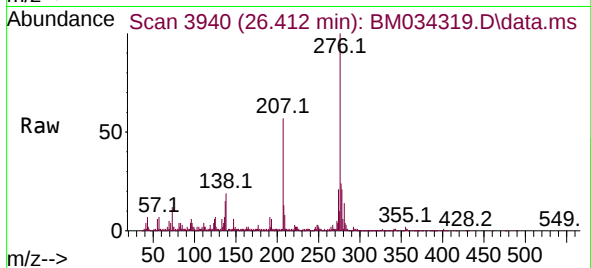
Tgt Ion:276 Resp: 555522

Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 27.801 ng

RT: 23.171 min Scan# 3389

Delta R.T. -0.006 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

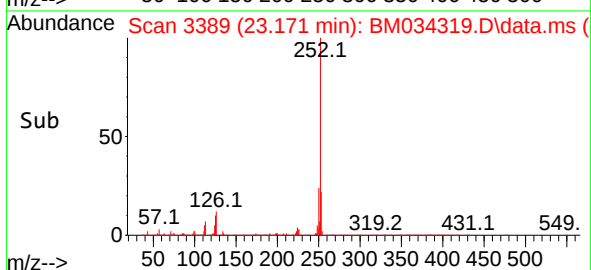
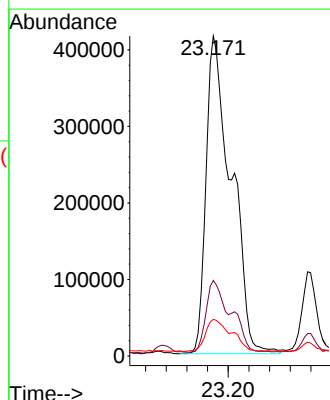
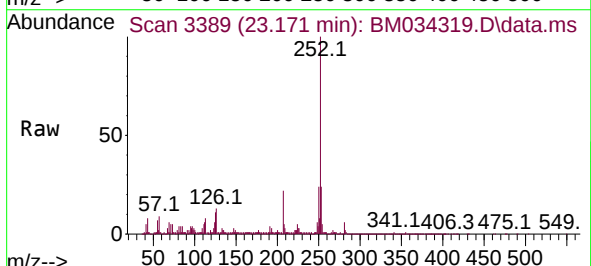
Tgt Ion:252 Resp: 1408626

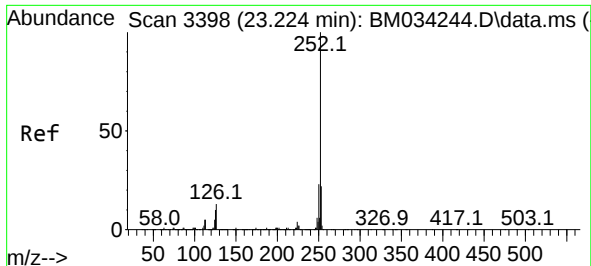
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.5 7.2 10.8#

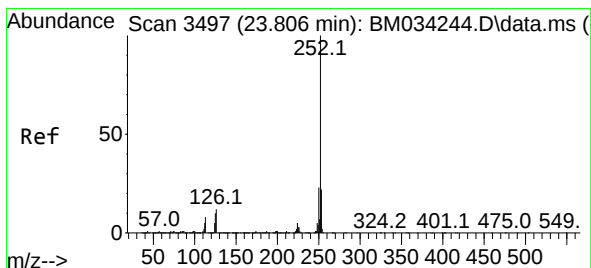
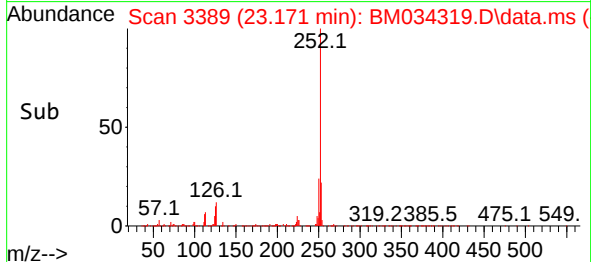
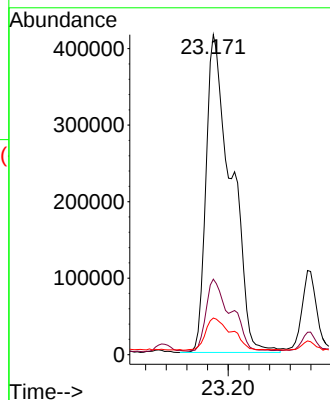
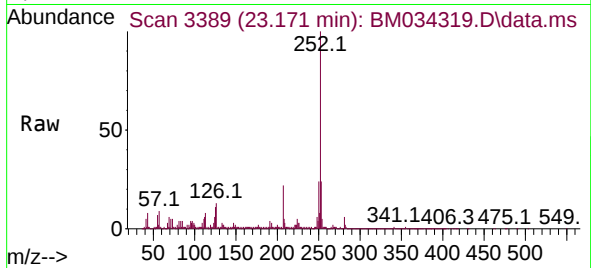




#89
Benzo(k)fluoranthene
Concen: 26.244 ng
RT: 23.171 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

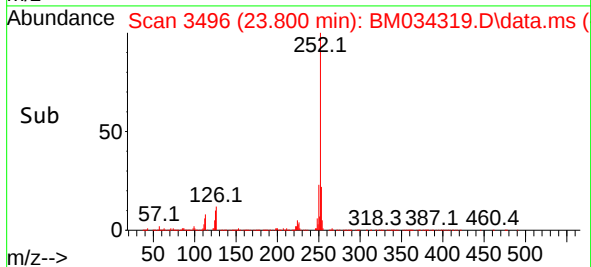
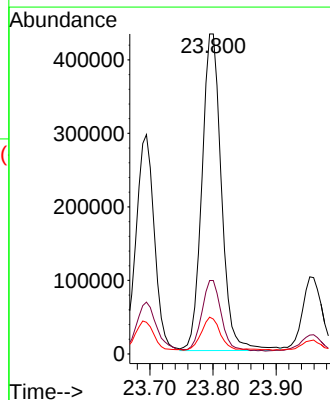
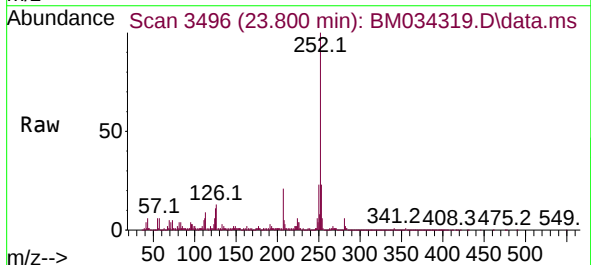
Instrument :
BNA_M
ClientSampleId :
SB-14-20220315-15.0-16.0

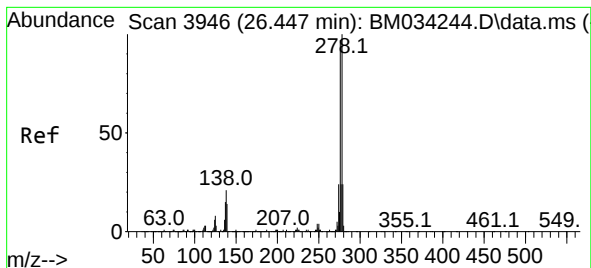
Tgt Ion:252 Resp: 1408626
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 11.5 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 21.493 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034319.D
Acq: 22 Mar 2022 20:39

Tgt Ion:252 Resp: 923218
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.9 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 2.906 ng

RT: 26.424 min Scan# 3946

Delta R.T. -0.023 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

Instrument :

BNA_M

ClientSampleId :

SB-14-20220315-15.0-16.0

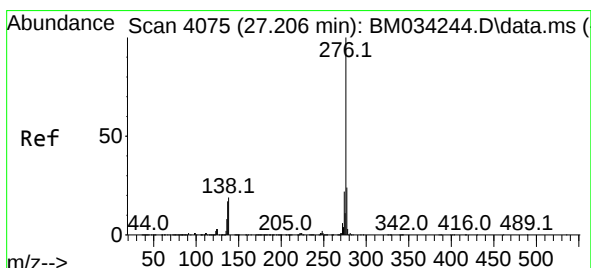
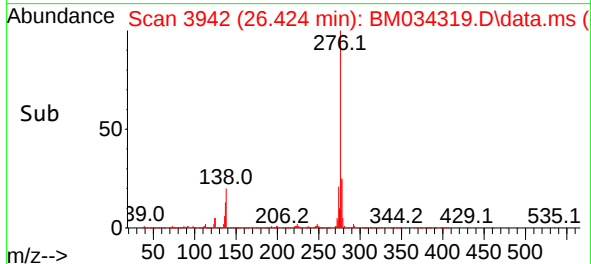
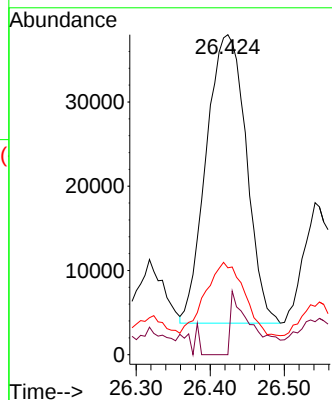
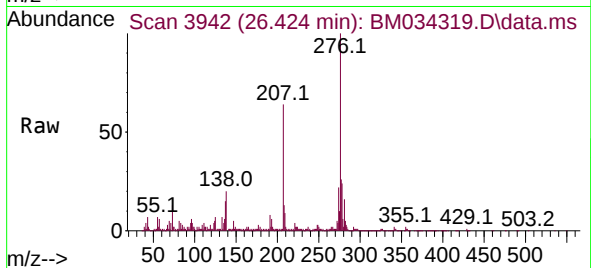
Tgt Ion:278 Resp: 128446

Ion Ratio Lower Upper

278 100

139 0.0 11.2 16.8#

279 27.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 13.556 ng

RT: 27.183 min Scan# 4071

Delta R.T. -0.023 min

Lab File: BM034319.D

Acq: 22 Mar 2022 20:39

Tgt Ion:276 Resp: 620123

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 19.6 15.6 23.4

