

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039267.D
 Acq On : 31 Mar 2023 23:41
 Operator : CG/JU
 Sample : 02104-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-37-SB01

Quant Time: Apr 01 05:22:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

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

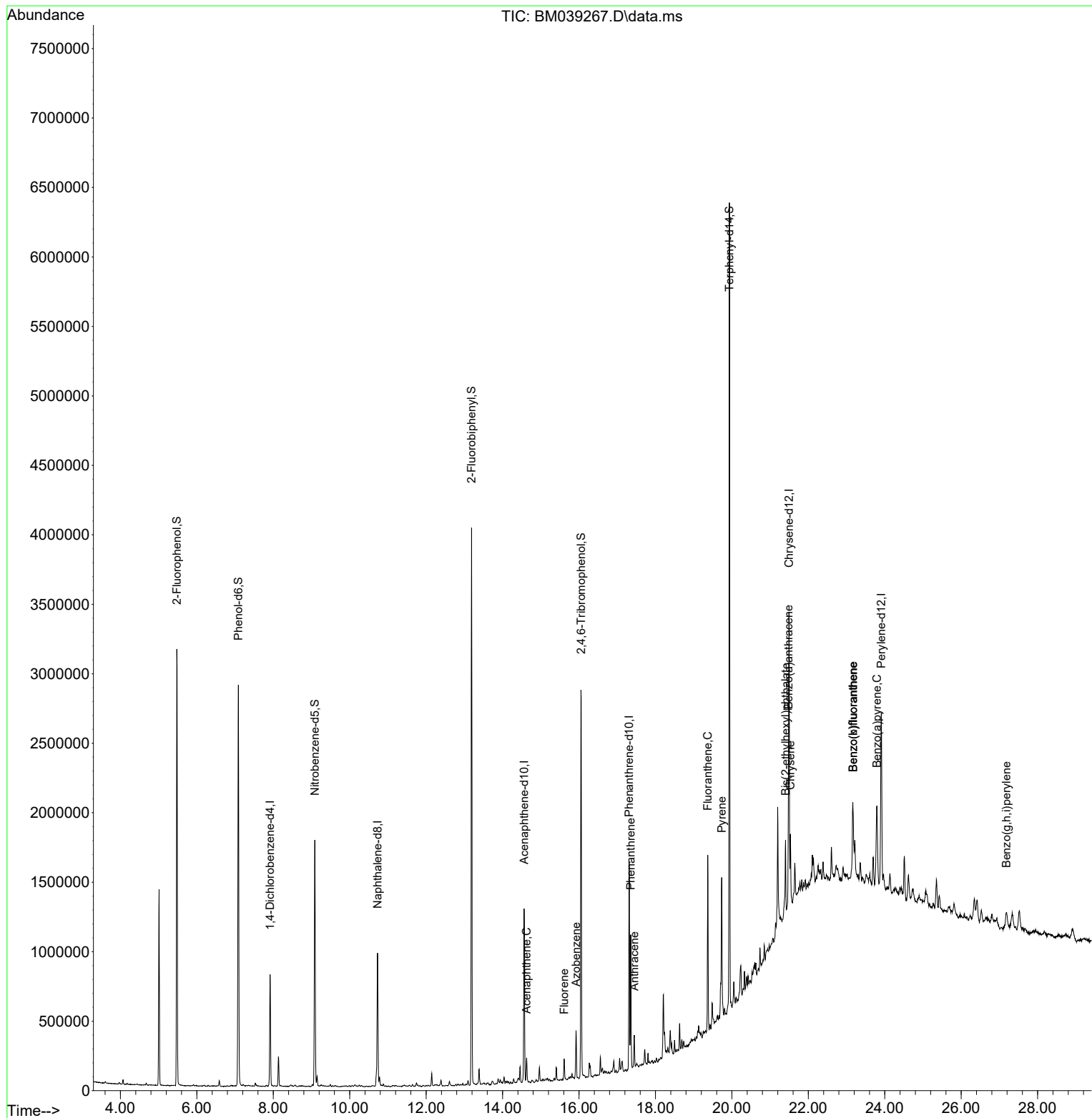
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	209343	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	779443	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	409894	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	844078	20.000	ng	0.00
76) Chrysene-d12	21.492	240	881480	20.000	ng	0.00
86) Perylene-d12	23.909	264	954728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1330935	95.785	ng	0.00
7) Phenol-d6	7.087	99	1640622	91.287	ng	0.00
23) Nitrobenzene-d5	9.087	82	1005444	62.695	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	477452	91.761	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	1949235	64.432	ng	0.00
79) Terphenyl-d14	19.933	244	2679859	56.169	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.627	154	59296	2.493	ng	94
58) Fluorene	15.610	166	62730	2.069	ng	99
63) Azobenzene	15.921	77	99797	3.133	ng	# 1
71) Phenanthrene	17.351	178	553499	11.973	ng	99
72) Anthracene	17.445	178	133040	2.822	ng	98
75) Fluoranthene	19.368	202	703712	13.354	ng	100
78) Pyrene	19.733	202	606100	9.659	ng	99
81) Benzo(a)anthracene	21.480	228	298140	4.796	ng	97
83) Chrysene	21.533	228	274150	4.568	ng	97
84) Bis(2-ethylhexyl)phtha...	21.403	149	162130	3.819	ng	98
88) Benzo(b)fluoranthene	23.174	252	311537	5.333	ng	# 83
89) Benzo(k)fluoranthene	23.174	252	311537	5.236	ng	# 82
90) Benzo(a)pyrene	23.797	252	223918	3.902	ng	# 90
92) Benzo(g,h,i)perylene	27.180	276	139370	2.399	ng	97

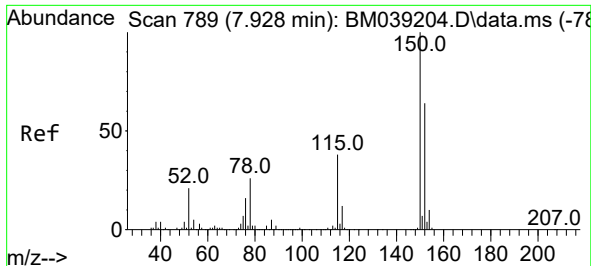
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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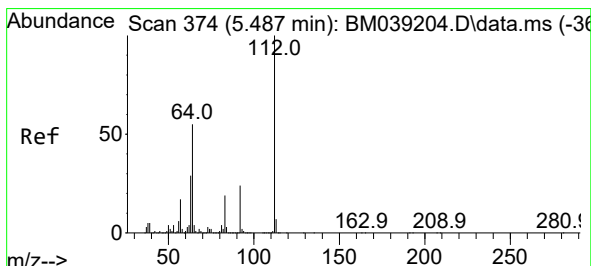
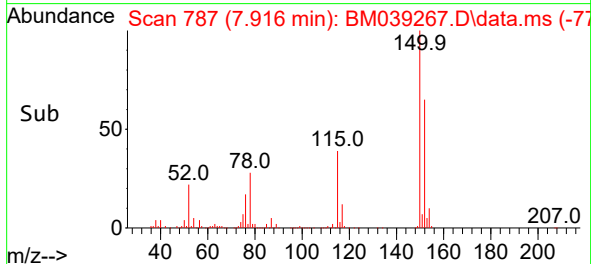
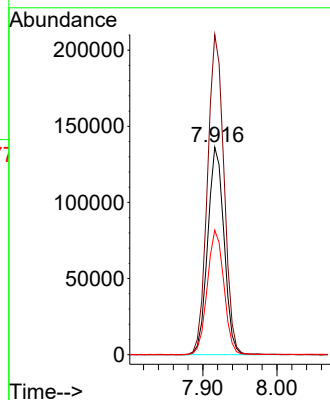
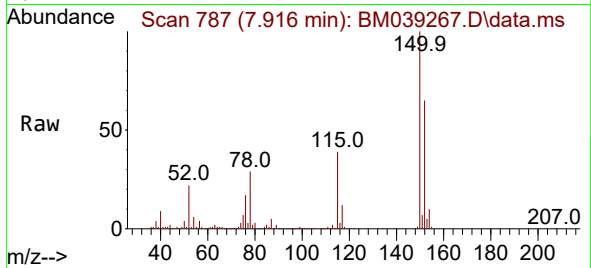




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

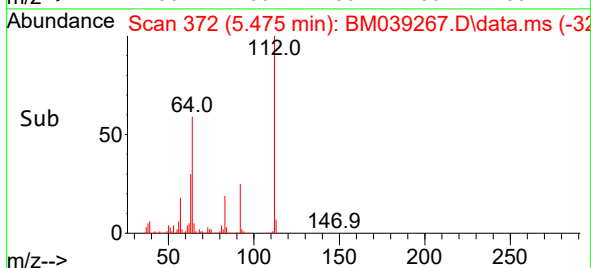
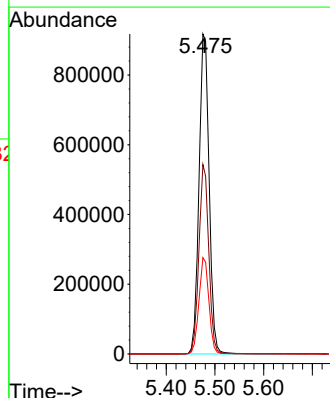
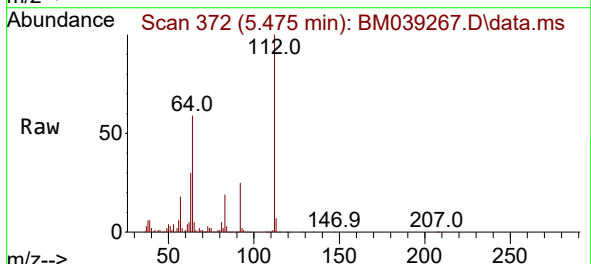
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BNA_M
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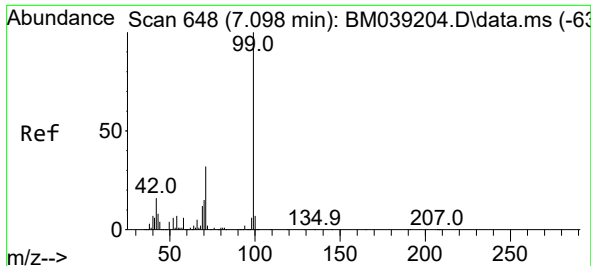
Tgt Ion:152 Resp: 209343
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 60.0 48.1 72.1



#5
2-Fluorophenol
Concen: 95.785 ng
RT: 5.475 min Scan# 372
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:112 Resp: 1330935
Ion Ratio Lower Upper
112 100
64 59.2 44.3 66.5
63 30.1 23.0 34.6

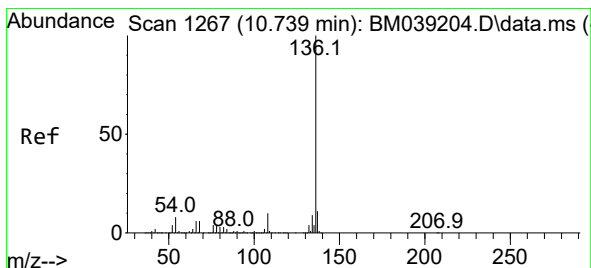
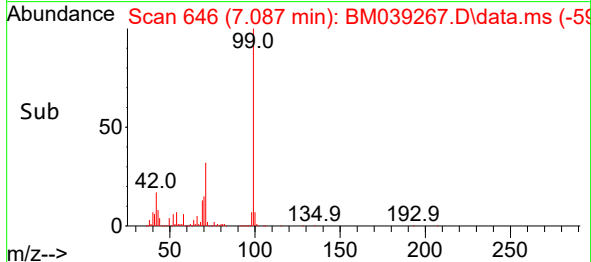
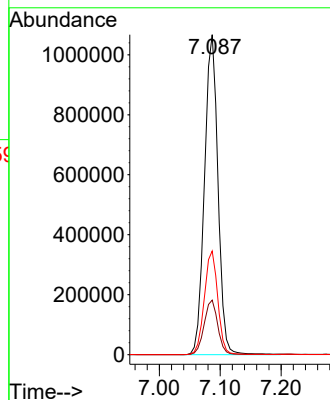
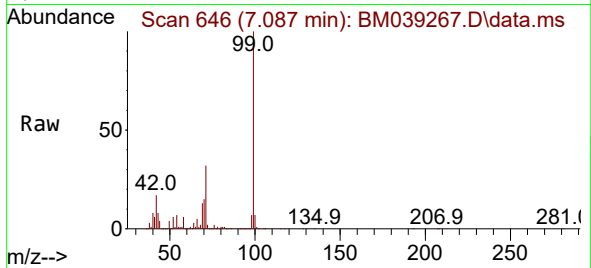




#7
Phenol-d6
Concen: 91.287 ng
RT: 7.087 min Scan# 64
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

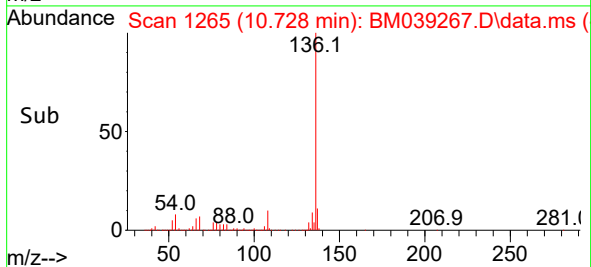
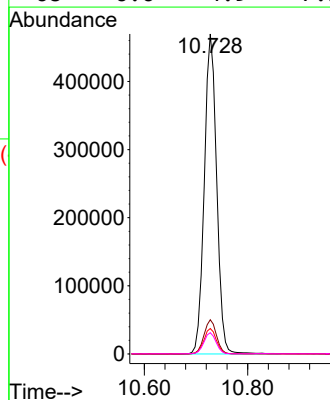
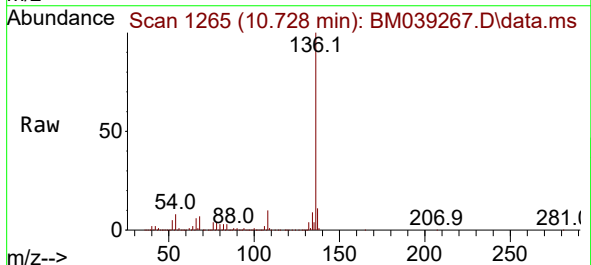
Instrument :
BNA_M
ClientSampleId :
B-37-SB01

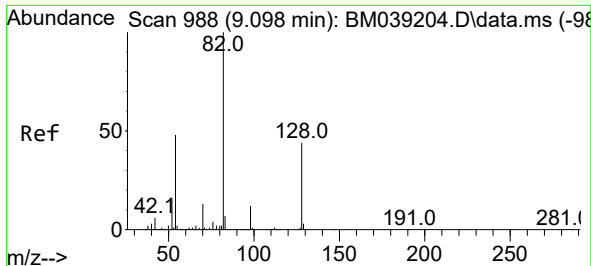
Tgt Ion: 99 Resp: 1640622
Ion Ratio Lower Upper
99 100
42 17.1 13.0 19.6
71 32.4 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion: 136 Resp: 779443
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.0 6.2 9.4
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 62.695 ng

RT: 9.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

Instrument :

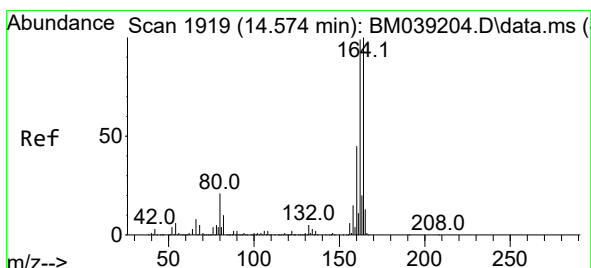
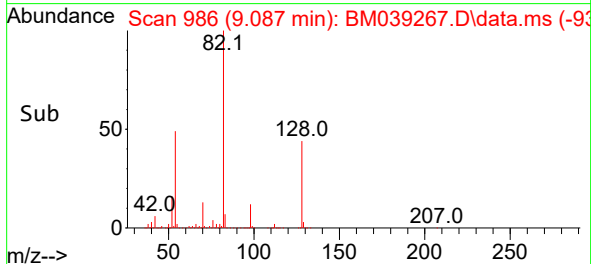
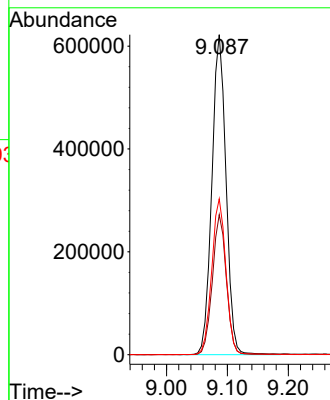
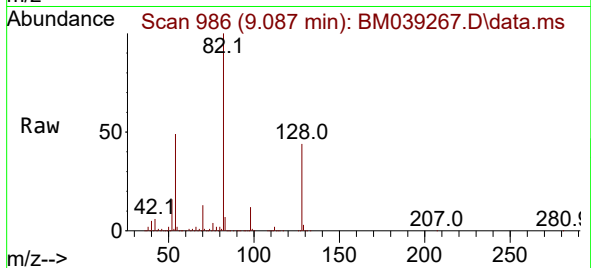
BNA_M

ClientSampleId :

B-37-SB01

Tgt Ion: 82 Resp: 1005444

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.1	52.7
54	48.7	38.5	57.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1917

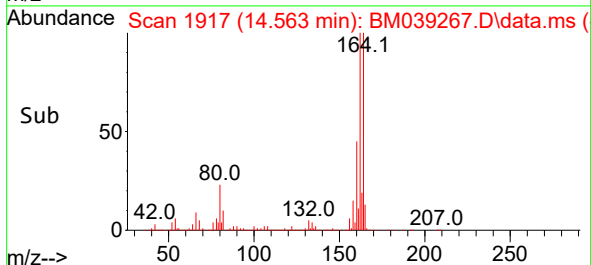
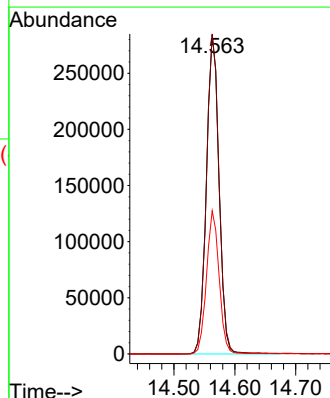
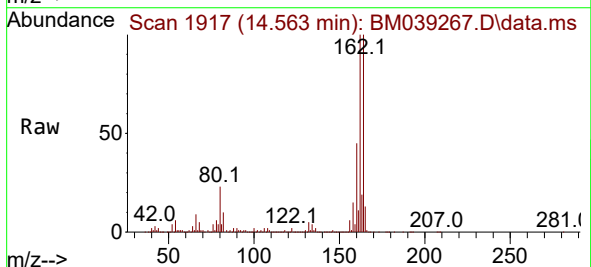
Delta R.T. -0.000 min

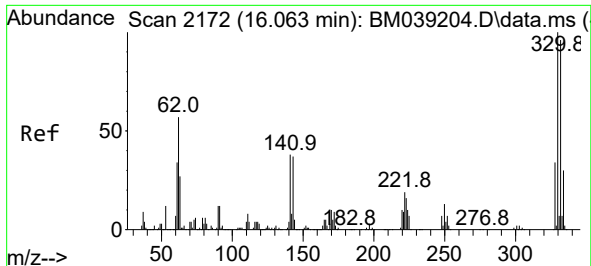
Lab File: BM039267.D

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Tgt Ion: 164 Resp: 409894

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.1	118.7
160	44.9	35.8	53.8

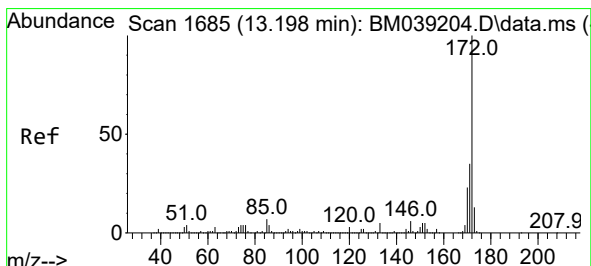
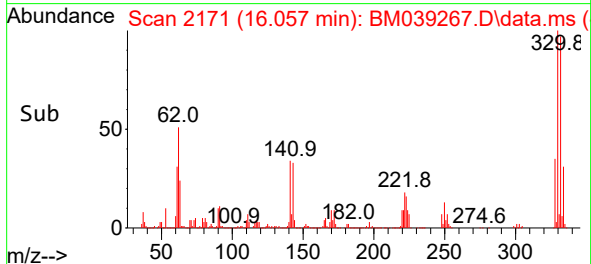
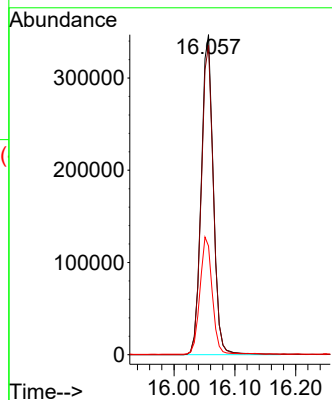
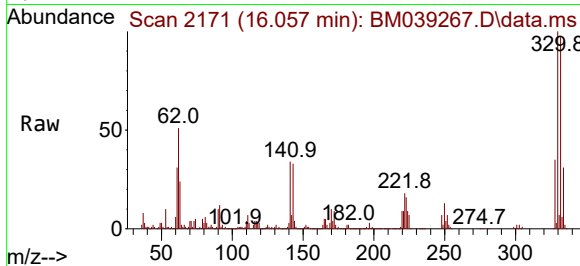




#42
2,4,6-Tribromophenol
Concen: 91.761 ng
RT: 16.057 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

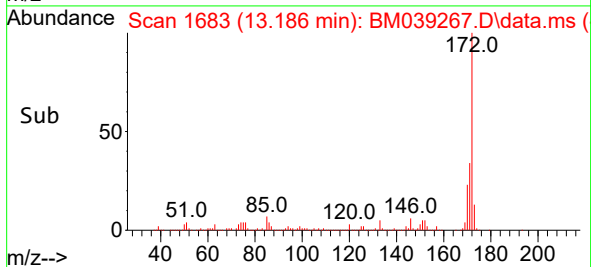
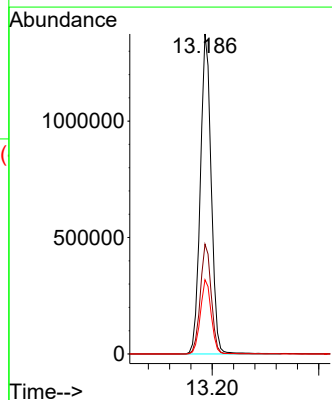
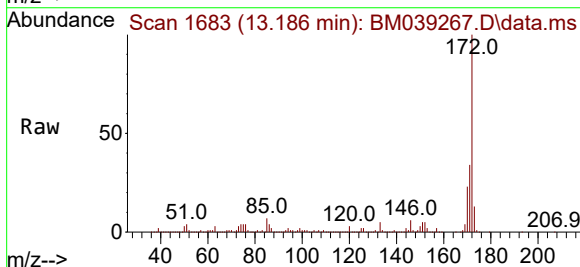
Instrument :
BNA_M
ClientSampleId :
B-37-SB01

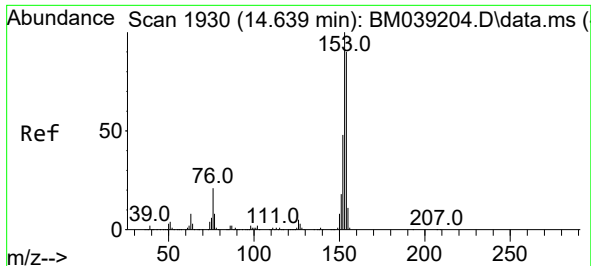
Tgt Ion:330 Resp: 477452
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.2 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 64.432 ng
RT: 13.186 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:172 Resp: 1949235
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 23.2 18.7 28.1

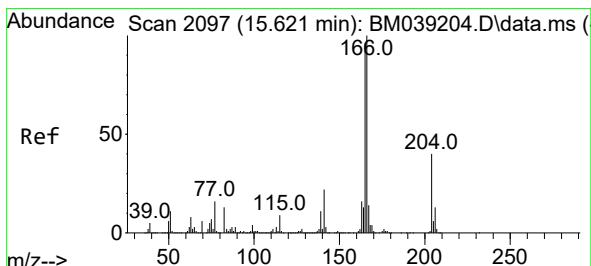
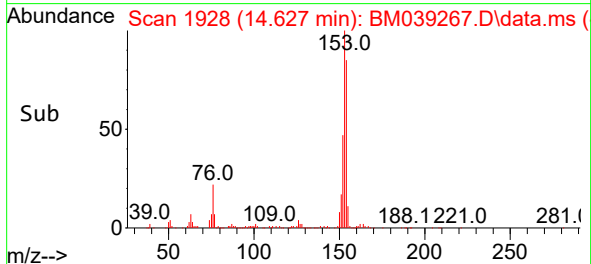
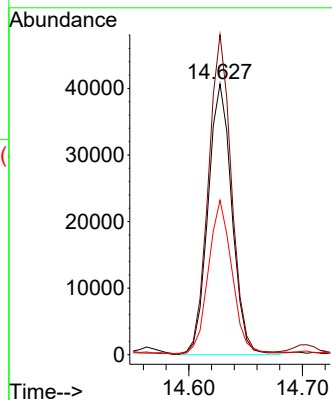
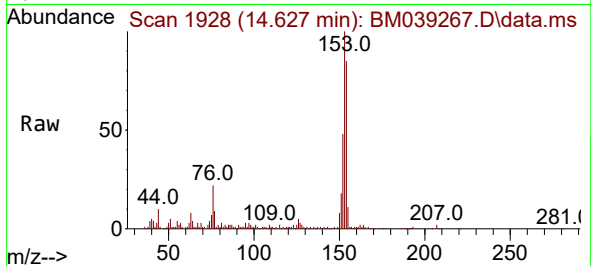




#52
Acenaphthene
Concen: 2.493 ng
RT: 14.627 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

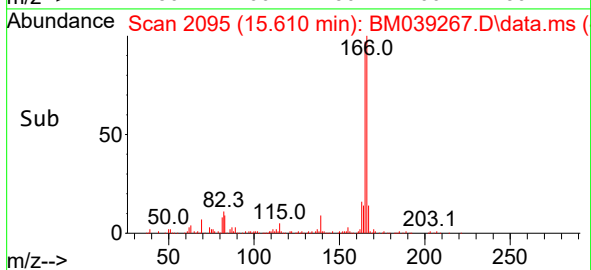
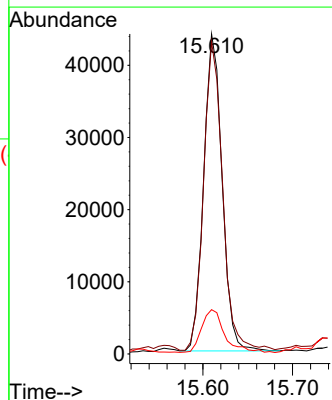
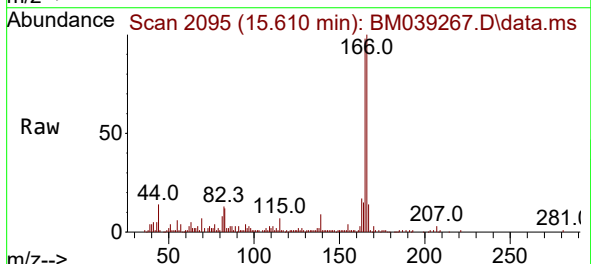
Instrument :
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ClientSampleId :
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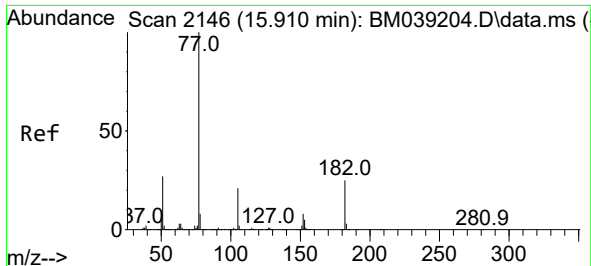
Tgt Ion:154 Resp: 59296
Ion Ratio Lower Upper
154 100
153 118.2 89.1 133.7
152 57.1 42.6 64.0



#58
Fluorene
Concen: 2.069 ng
RT: 15.610 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:166 Resp: 62730
Ion Ratio Lower Upper
166 100
165 97.7 76.9 115.3
167 13.8 10.8 16.2

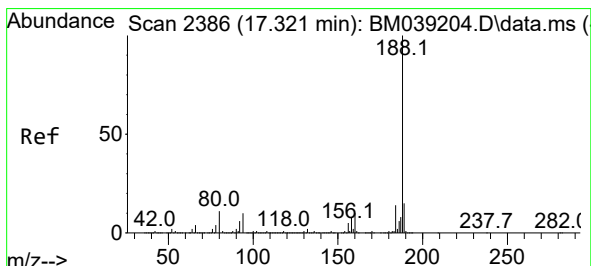
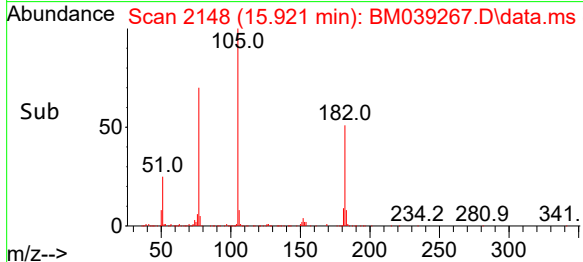
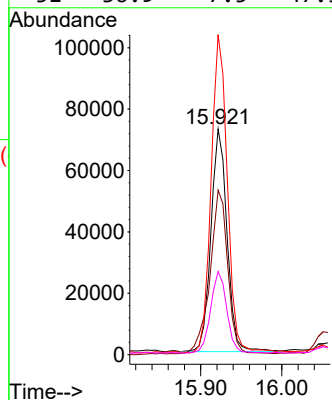
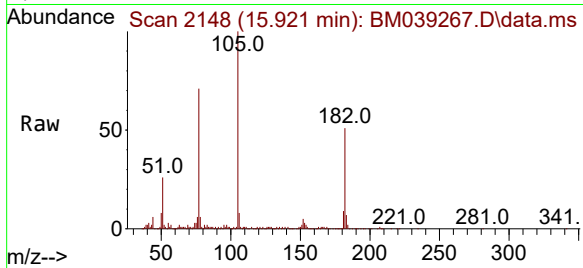




#63
Azobenzene
Concen: 3.133 ng
RT: 15.921 min Scan# 2146
Delta R.T. 0.023 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

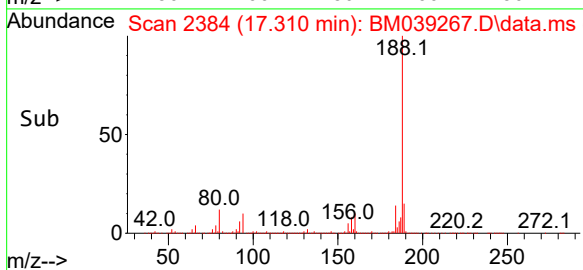
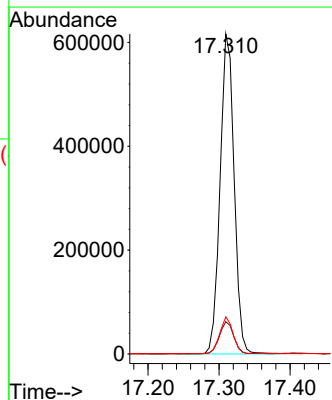
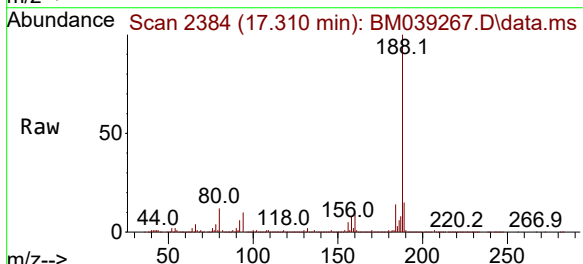
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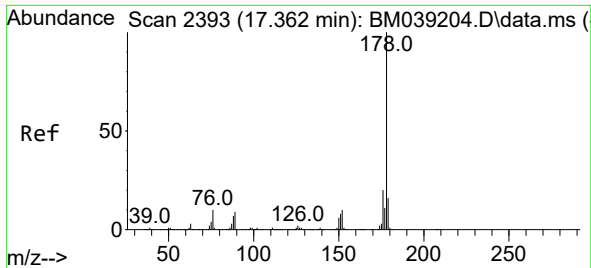
Tgt Ion: 77 Resp: 99797
Ion Ratio Lower Upper
77 100
182 72.9 4.8 44.8#
105 141.8 1.4 41.4#
51 36.9 7.5 47.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion: 188 Resp: 844078
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.4
80 11.6 8.9 13.3

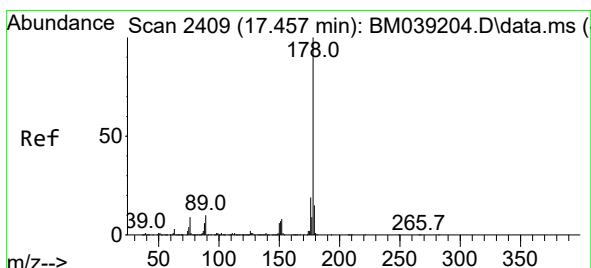
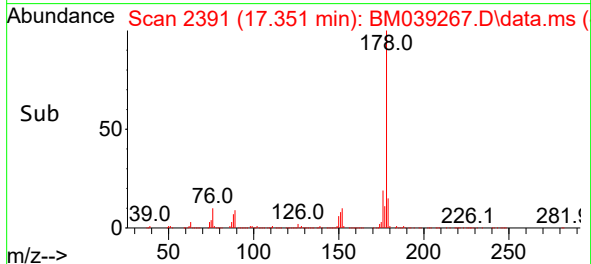
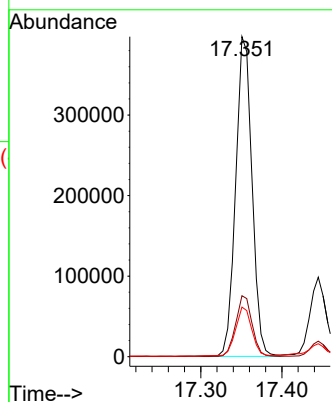
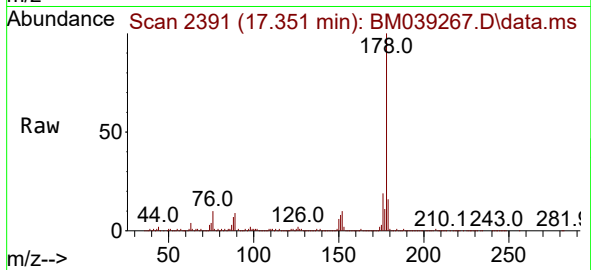




#71
Phenanthrene
Concen: 11.973 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

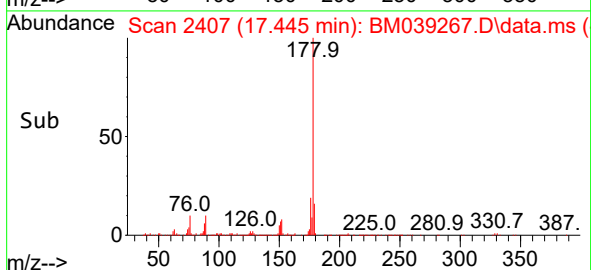
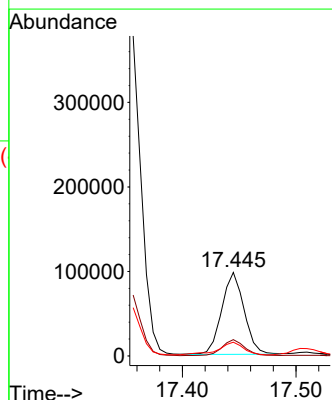
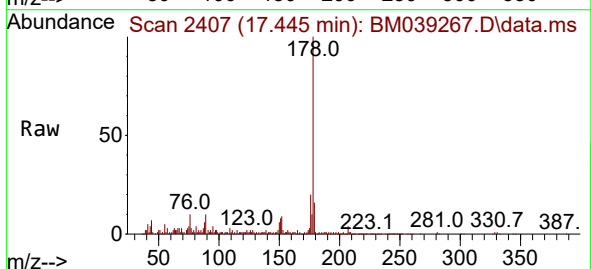
Instrument :
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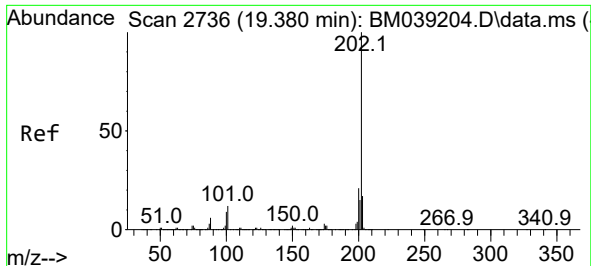
Tgt Ion:178 Resp: 553499
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.5 12.4 18.6



#72
Anthracene
Concen: 2.822 ng
RT: 17.445 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:178 Resp: 133040
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 16.4 12.2 18.2

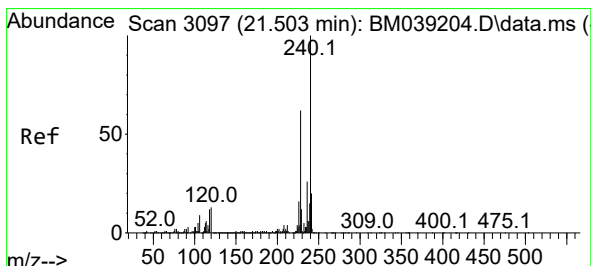
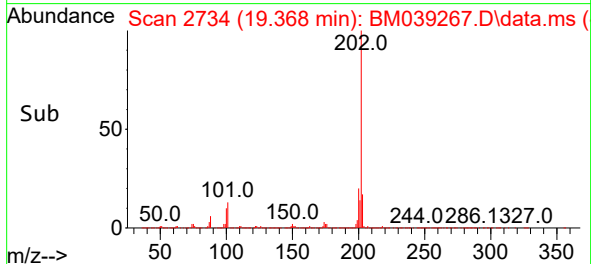
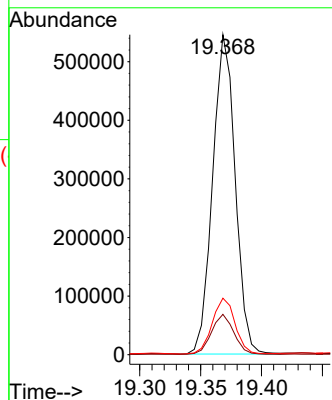
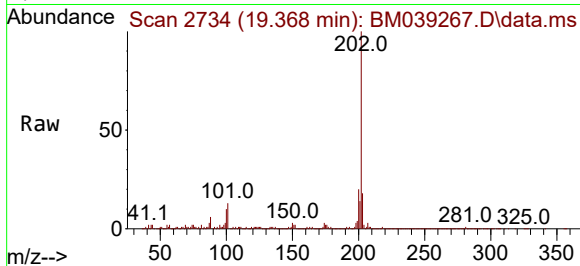




#75
Fluoranthene
Concen: 13.354 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

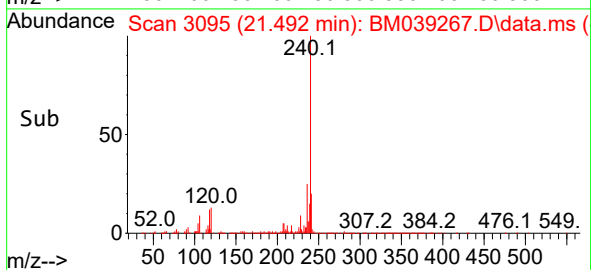
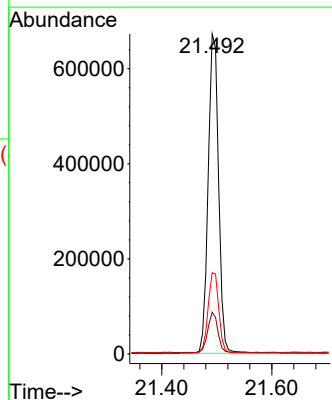
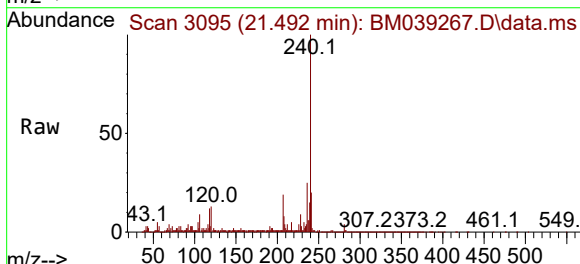
Instrument :
BNA_M
ClientSampleId :
B-37-SB01

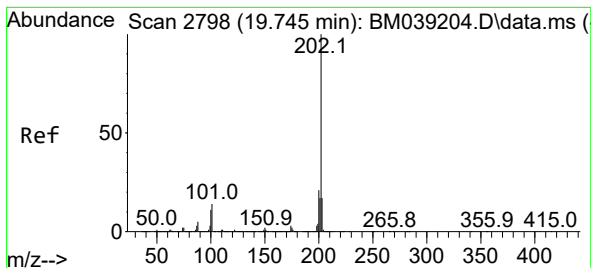
Tgt Ion:202 Resp: 703712
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.5
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.492 min Scan# 3095
Delta R.T. -0.006 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:240 Resp: 881480
Ion Ratio Lower Upper
240 100
120 13.1 10.2 15.2
236 25.4 20.9 31.3





#78

Pyrene

Concen: 9.659 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

Instrument :

BNA_M

ClientSampleId :

B-37-SB01

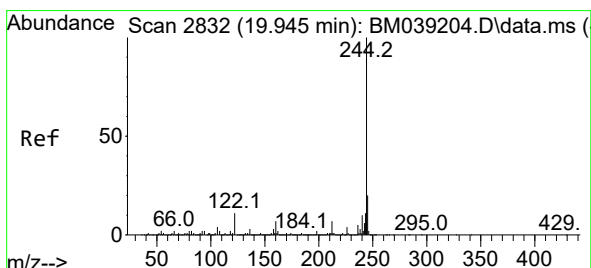
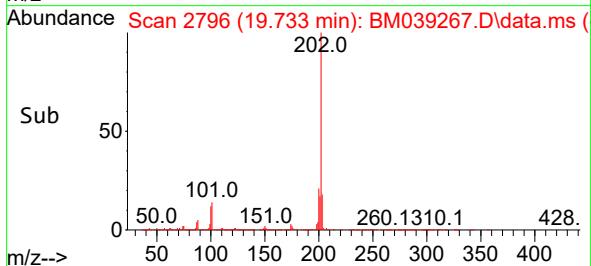
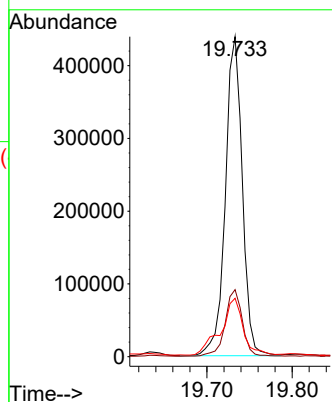
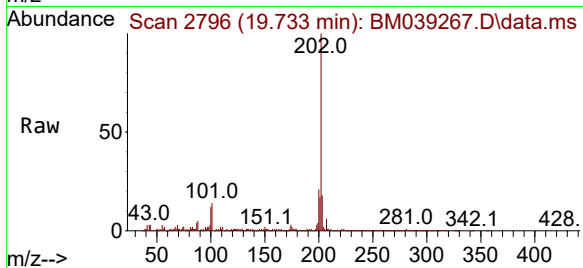
Tgt Ion:202 Resp: 606100

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.2 13.9 20.9



#79

Terphenyl-d14

Concen: 56.169 ng

RT: 19.933 min Scan# 2830

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

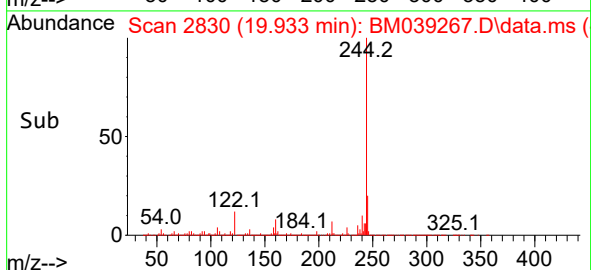
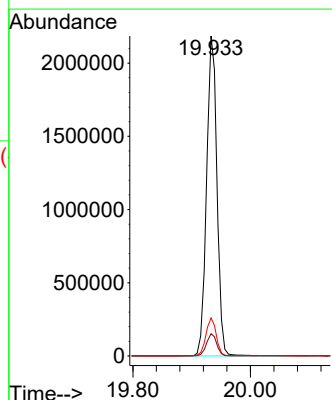
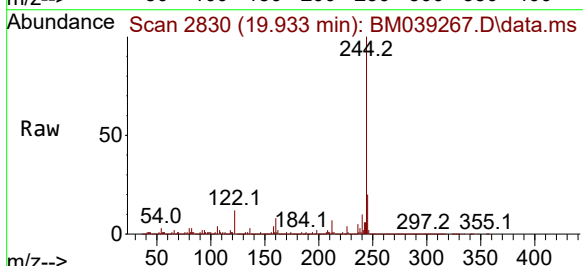
Tgt Ion:244 Resp: 2679859

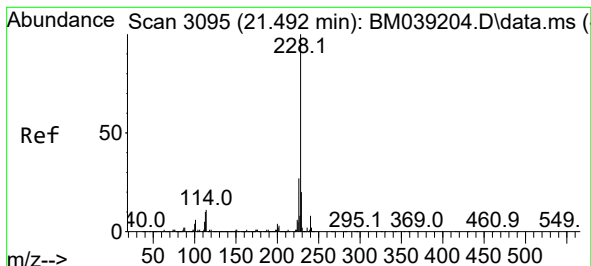
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.9 9.1 13.7





#81

Benzo(a)anthracene

Concen: 4.796 ng

RT: 21.480 min Scan# 3095

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

Instrument :

BNA_M

ClientSampleId :

B-37-SB01

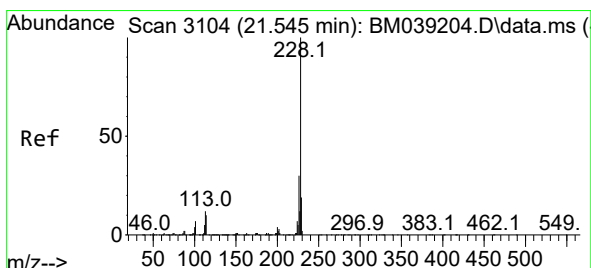
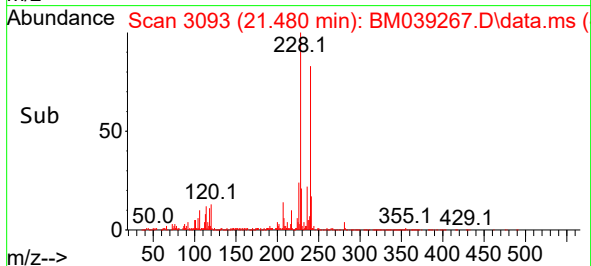
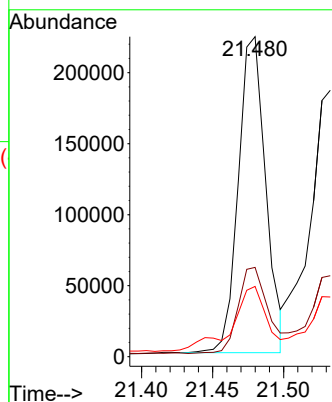
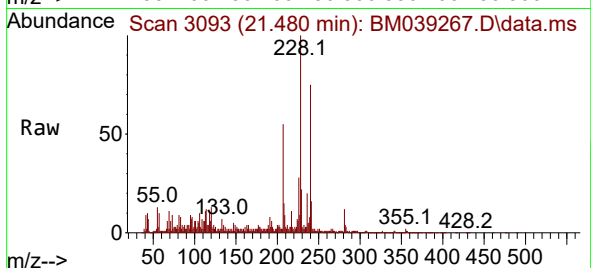
Tgt Ion:228 Resp: 298140

Ion Ratio Lower Upper

228 100

226 27.9 21.9 32.9

229 22.0 15.8 23.6



#83

Chrysene

Concen: 4.568 ng

RT: 21.533 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

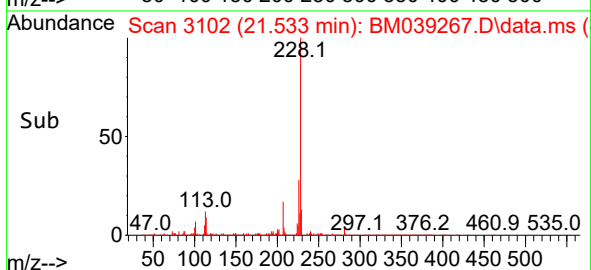
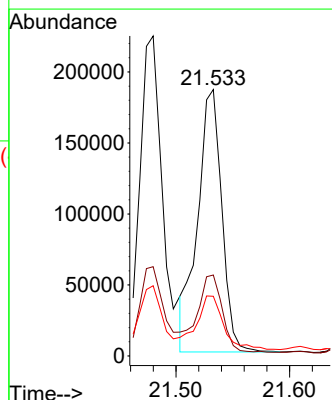
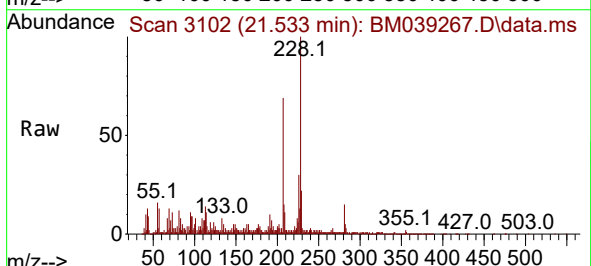
Tgt Ion:228 Resp: 274150

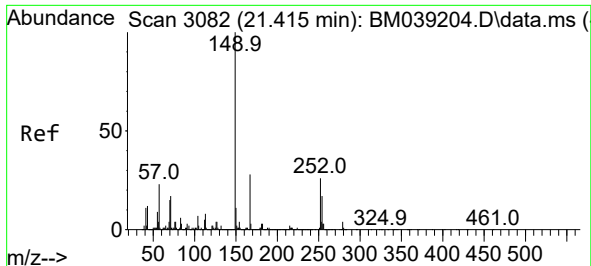
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 22.4 15.5 23.3

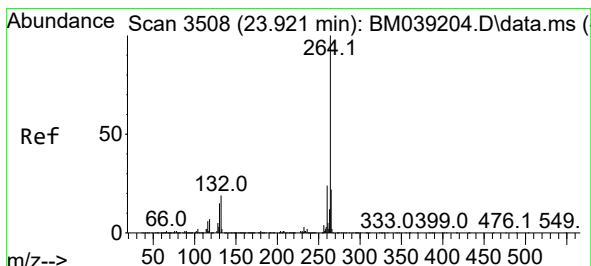
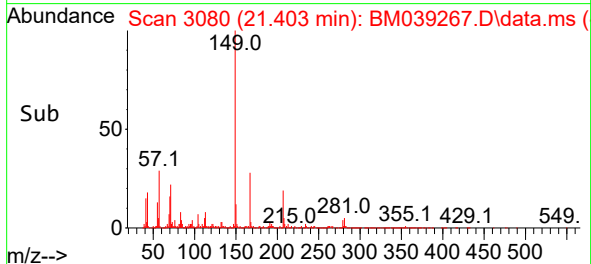
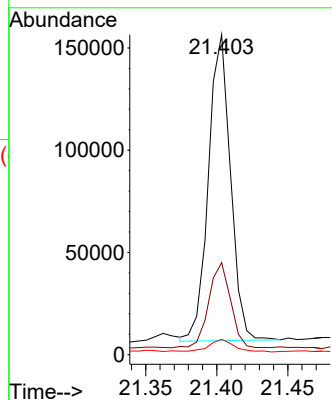
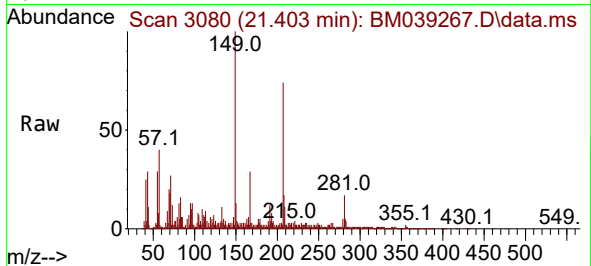




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.819 ng
RT: 21.403 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

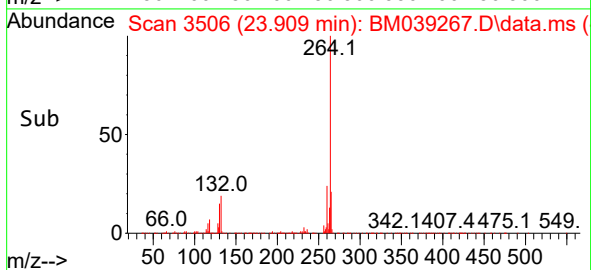
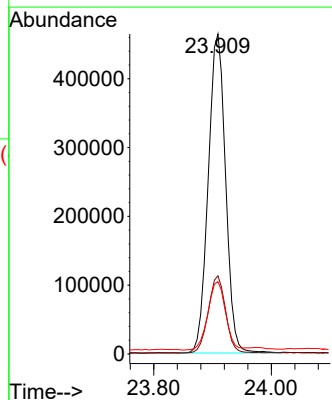
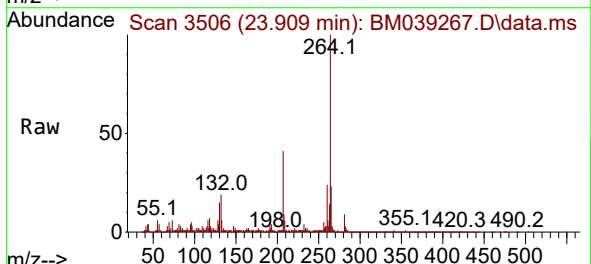
Instrument :
BNA_M
ClientSampleId :
B-37-SB01

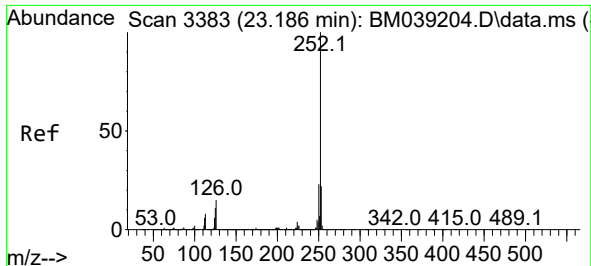
Tgt Ion:149 Resp: 162130
Ion Ratio Lower Upper
149 100
167 28.8 22.3 33.5
279 4.8 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.909 min Scan# 3506
Delta R.T. 0.006 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:264 Resp: 954728
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.6 18.1 27.1

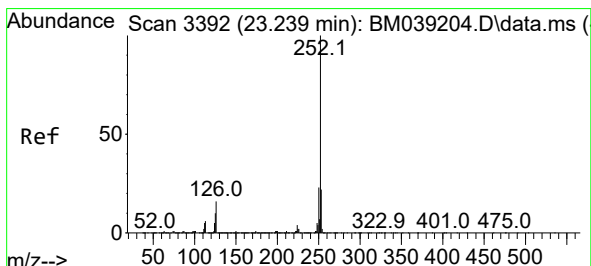
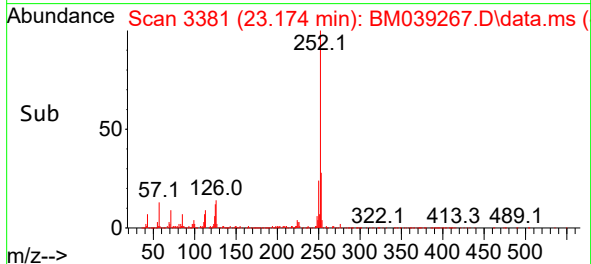
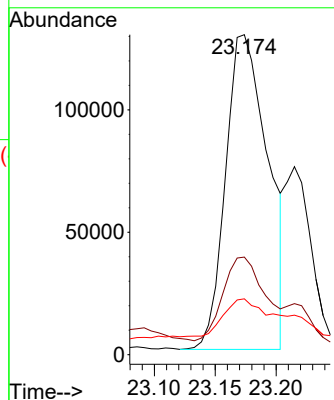
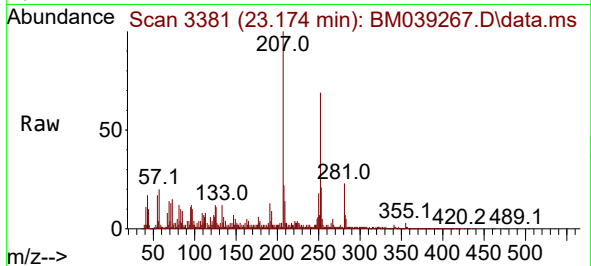




#88
Benzo(b)fluoranthene
Concen: 5.333 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

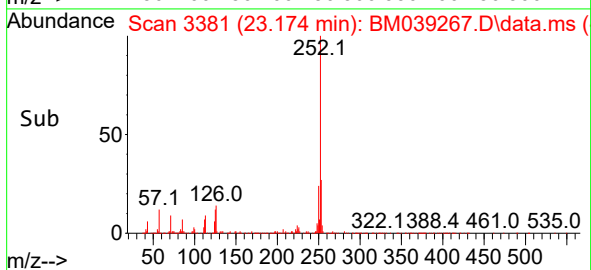
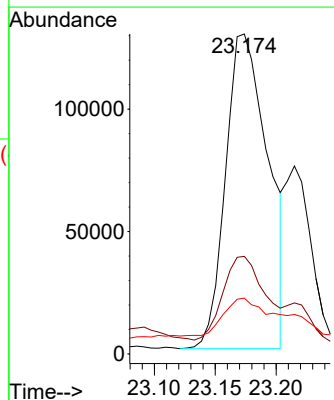
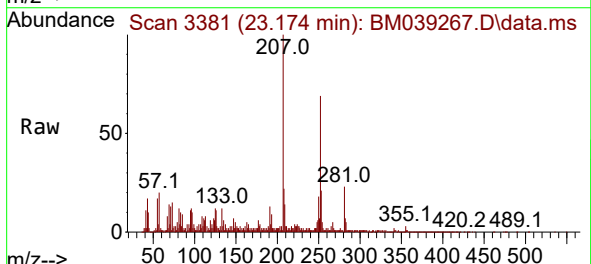
Instrument :
BNA_M
ClientSampleId :
B-37-SB01

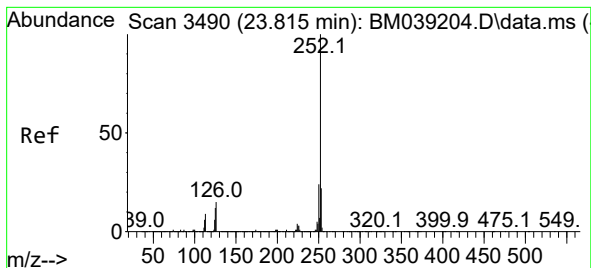
Tgt Ion:252 Resp: 311537
Ion Ratio Lower Upper
252 100
253 30.5 17.6 26.4#
125 17.5 9.0 13.6#



#89
Benzo(k)fluoranthene
Concen: 5.236 ng
RT: 23.174 min Scan# 3381
Delta R.T. -0.047 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Tgt Ion:252 Resp: 311537
Ion Ratio Lower Upper
252 100
253 30.5 17.8 26.8#
125 17.5 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 3.902 ng

RT: 23.797 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

Instrument :

BNA_M

ClientSampleId :

B-37-SB01

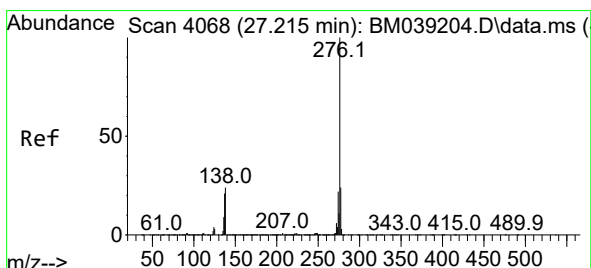
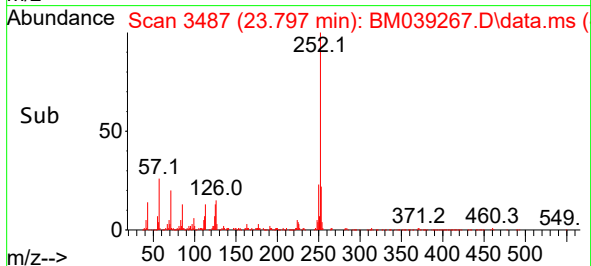
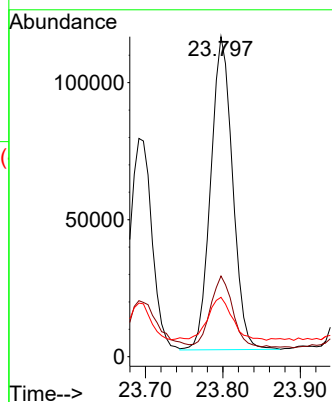
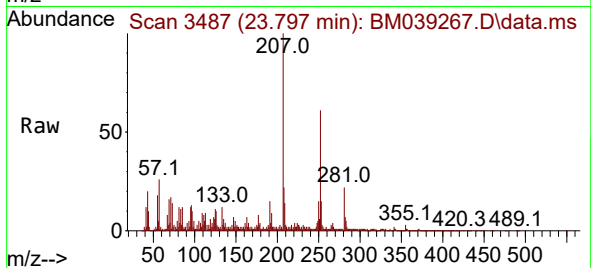
Tgt Ion:252 Resp: 223918

Ion Ratio Lower Upper

252 100

253 25.2 17.6 26.4

125 18.6 9.8 14.6#



#92

Benzo(g,h,i)perylene

Concen: 2.399 ng

RT: 27.180 min Scan# 4062

Delta R.T. -0.006 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

Tgt Ion:276 Resp: 139370

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 26.0 19.5 29.3

