

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/03/2023
 Supervised By : Jagrut Upadhyay 04/03/2023

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
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	291336m	4.854	ng	
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
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

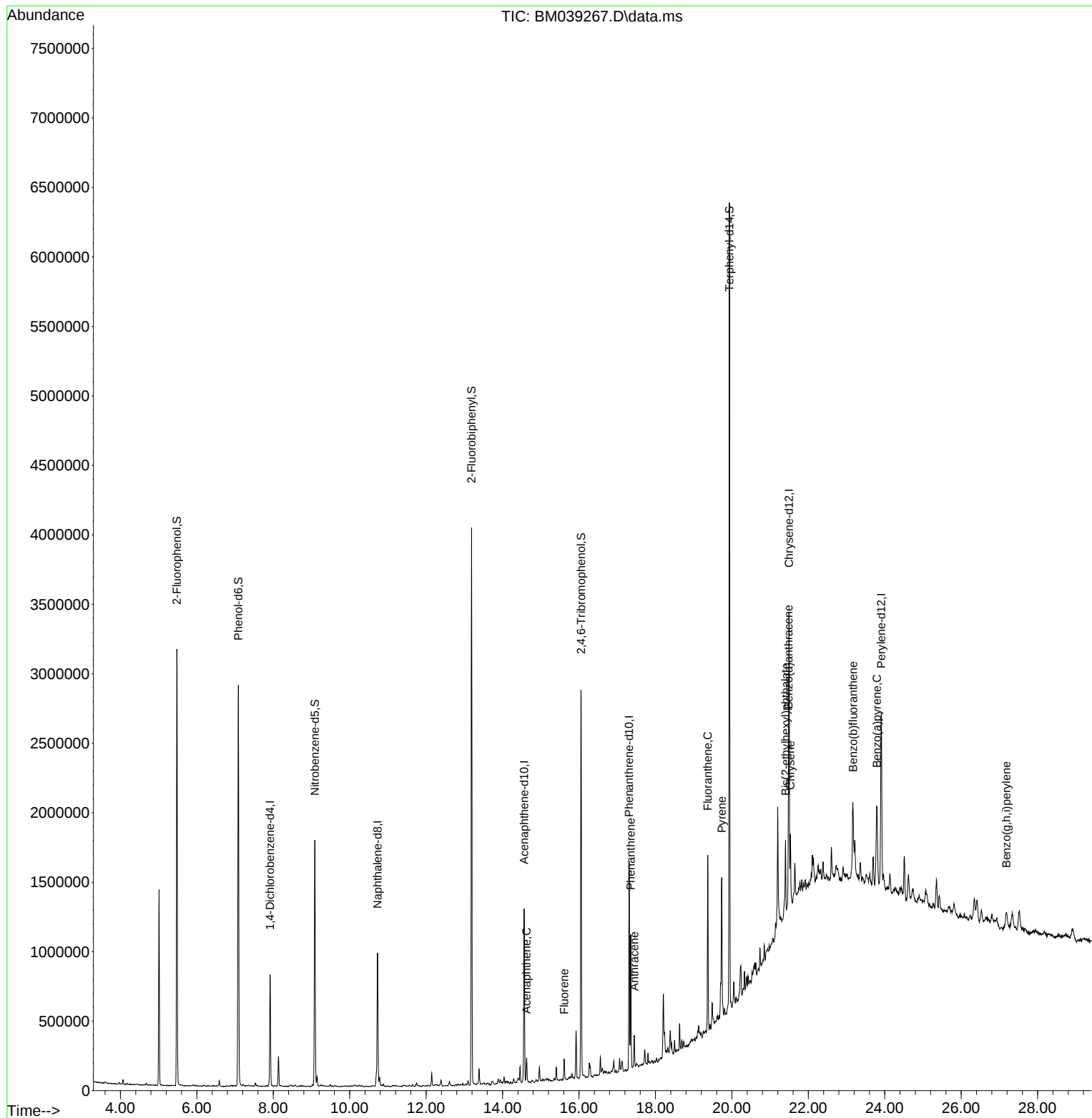
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
Data File : BM039267.D
Acq On : 31 Mar 2023 23:41
Operator : CG/JU
Sample : 02104-01
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ALS Vial : 15 Sample Multiplier: 1

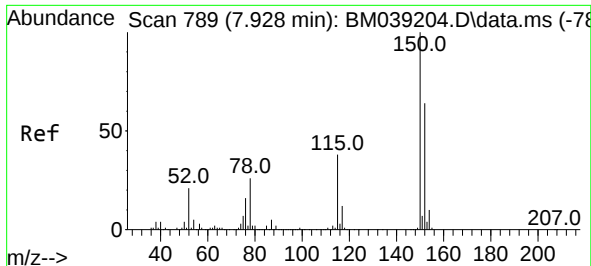
Instrument :
BNA_M
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B-37-SB01

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
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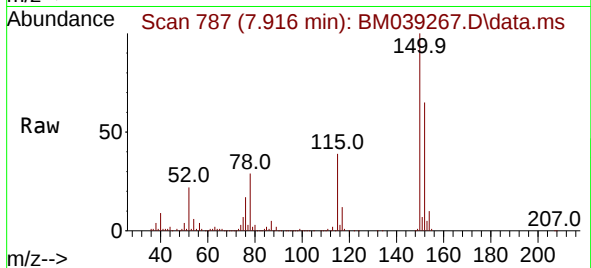
Reviewed By : Christian Giraldo 04/03/2023
Supervised By : Jagrut Upadhyay 04/03/2023





#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

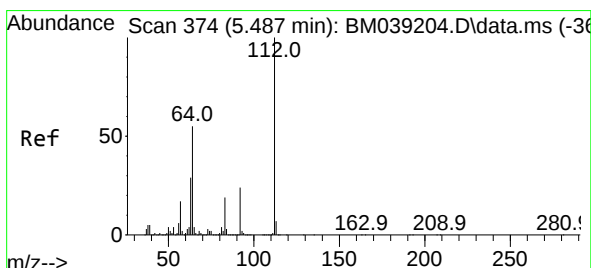
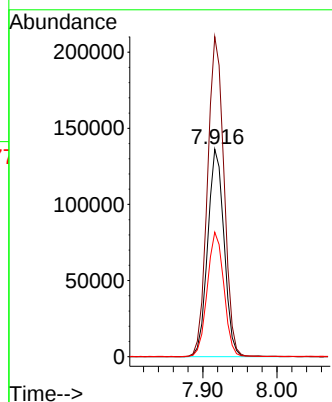
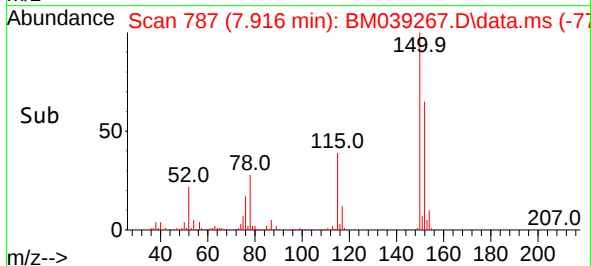
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



Tgt Ion:152 Resp: 20934
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 60.0 48.1 72.1

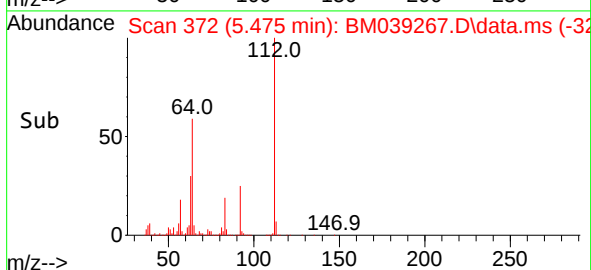
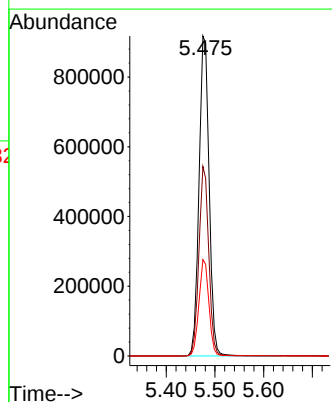
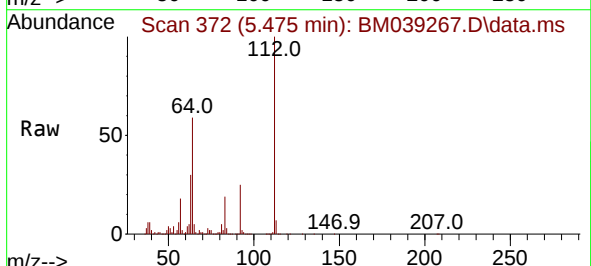
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Supervised By :Jagrut Upadhyay 04/03/2023



#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

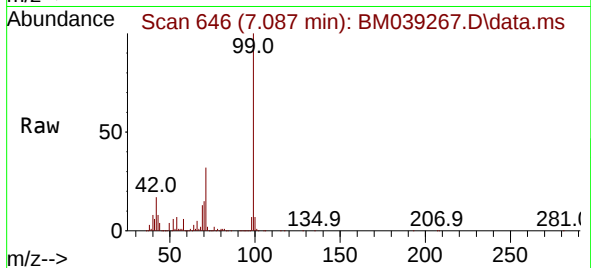
Tgt Ion:112 Resp: 1330935
Ion Ratio Lower Upper
112 100
64 59.2 44.3 66.5
63 30.1 23.0 34.6





#7
Phenol-d6
Concen: 91.287 ng
RT: 7.087 min Scan# 648
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

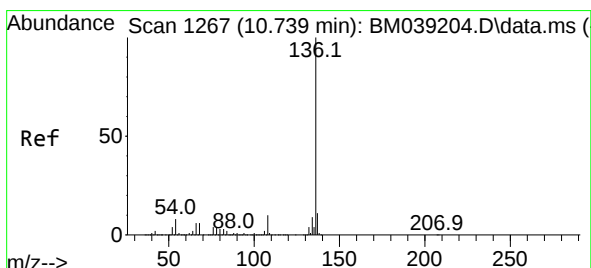
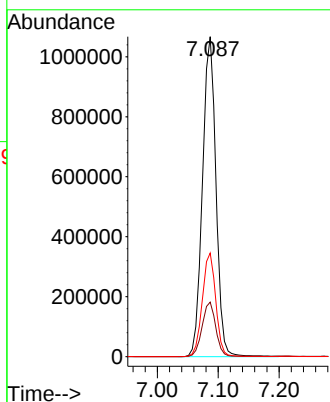
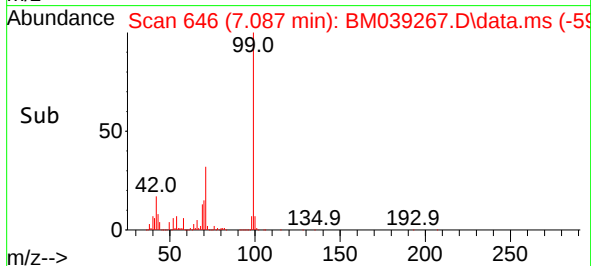
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



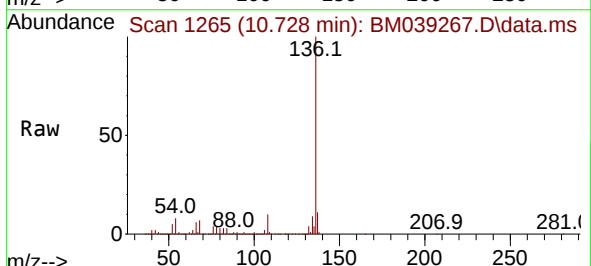
Tgt Ion: 99 Resp: 164062
Ion Ratio Lower Upper
99 100
42 17.1 13.0 19.6
71 32.4 25.5 38.3

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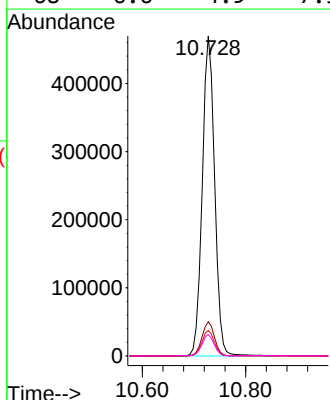
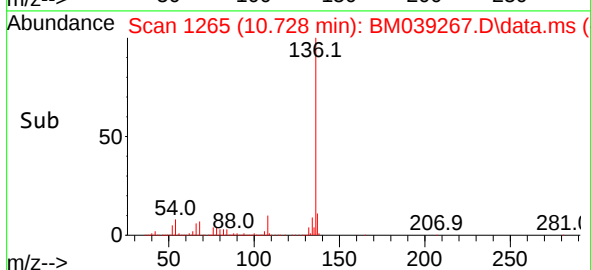
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#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



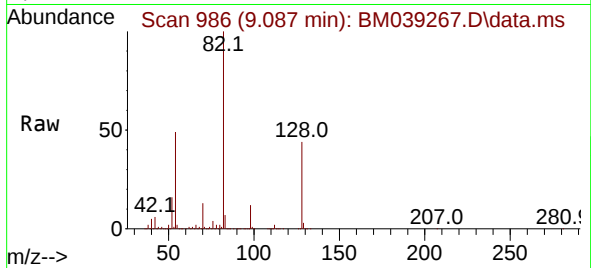
Tgt Ion:136 Resp: 779443
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.0 6.2 9.4
68 6.6 4.9 7.3





#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

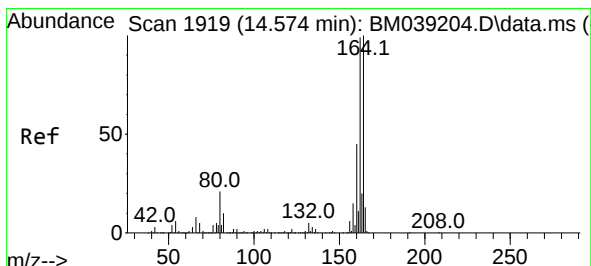
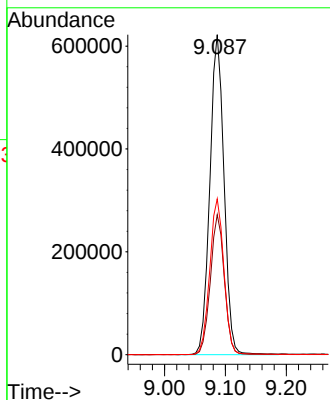
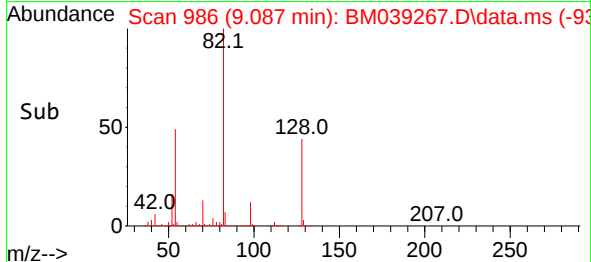
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



Tgt Ion: 82 Resp: 100544
Ion Ratio Lower Upper
82 100
128 43.8 35.1 52.7
54 48.7 38.5 57.7

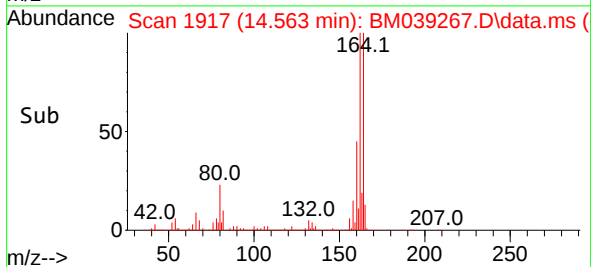
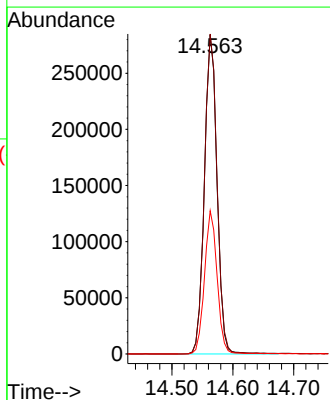
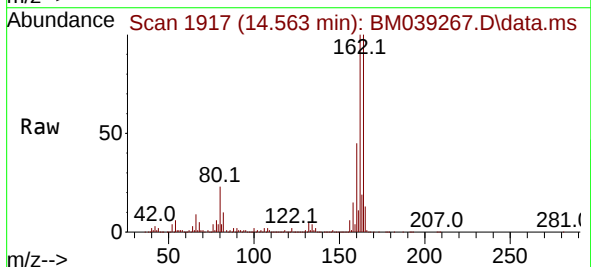
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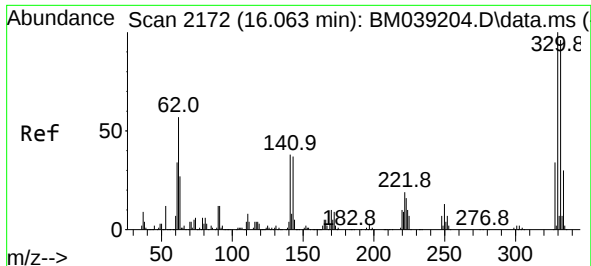
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

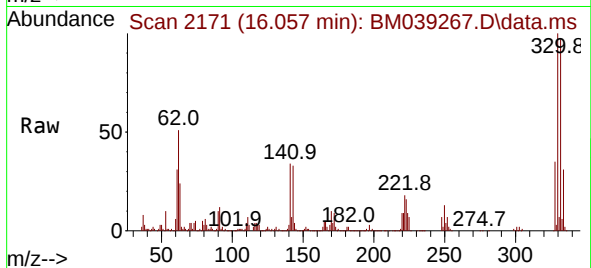
Tgt Ion:164 Resp: 409894
Ion Ratio Lower Upper
164 100
162 100.2 79.1 118.7
160 44.9 35.8 53.8





#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

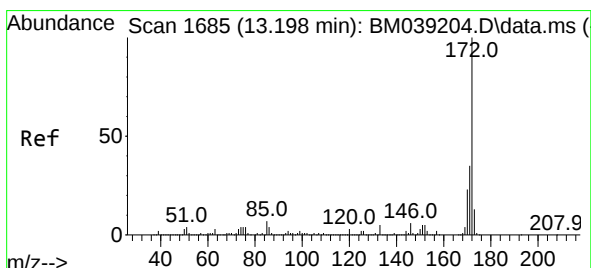
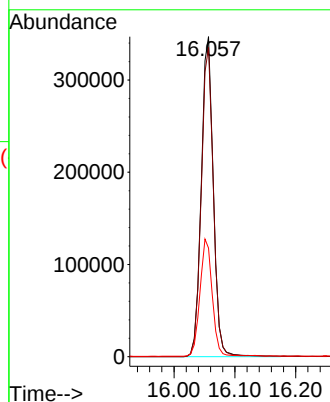
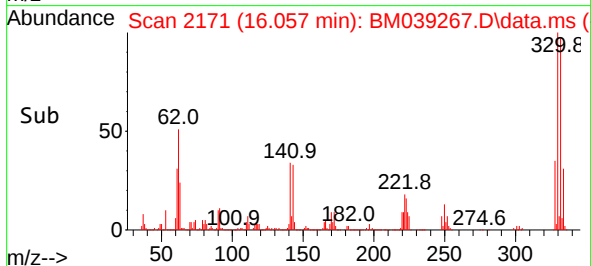
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



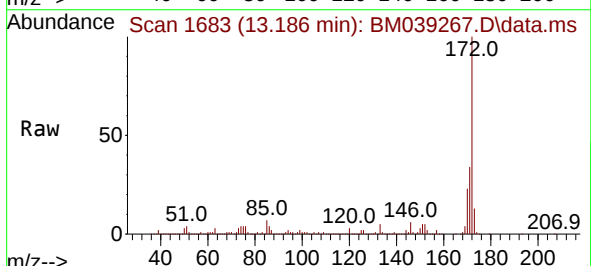
Tgt Ion:330 Resp: 477452
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.2 29.8 44.6

Manual Integrations
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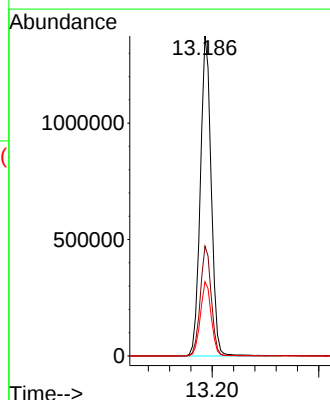
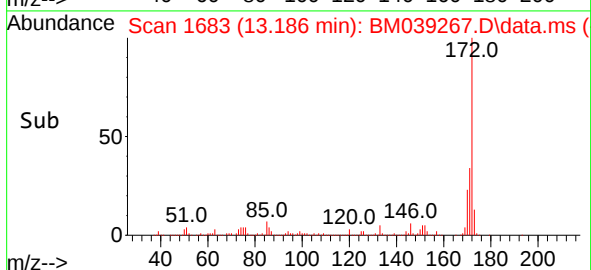
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

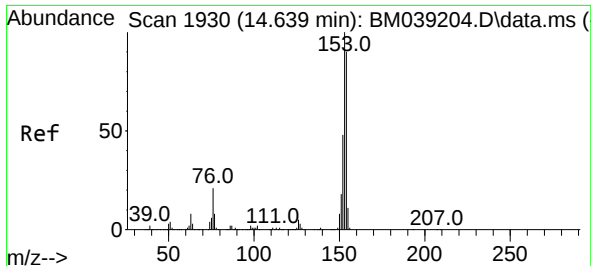


#45
2-Fluorobiphenyl
Concen: 64.432 ng
RT: 13.186 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41



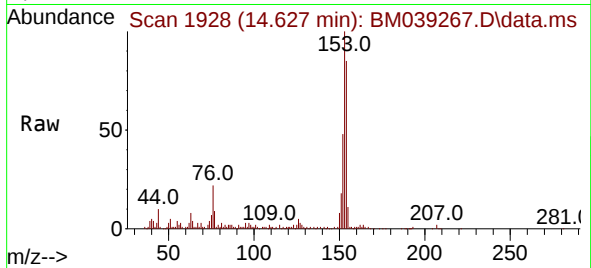
Tgt Ion:172 Resp: 1949235
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 23.2 18.7 28.1





#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

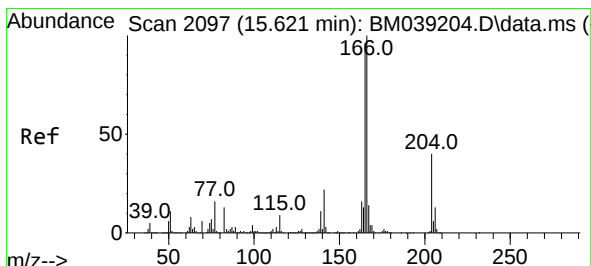
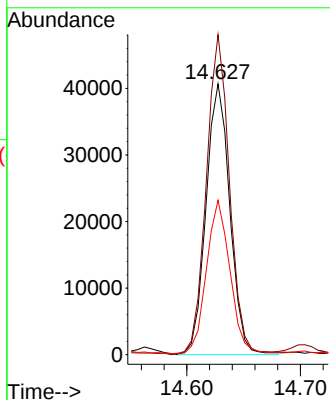
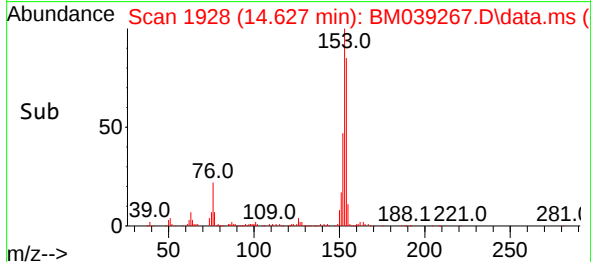
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



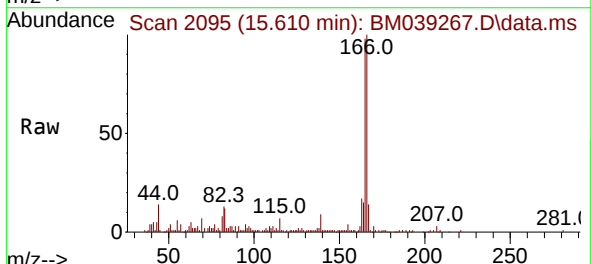
Tgt Ion:154 Resp: 59290
Ion Ratio Lower Upper
154 100
153 118.2 89.1 133.7
152 57.1 42.6 64.0

Manual Integrations
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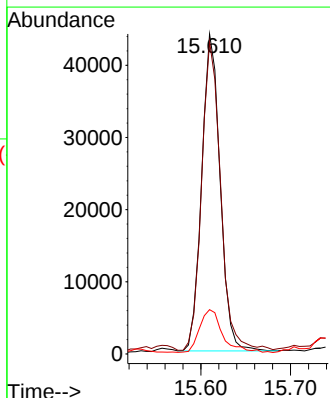
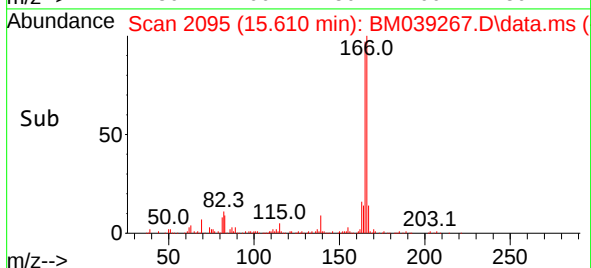
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

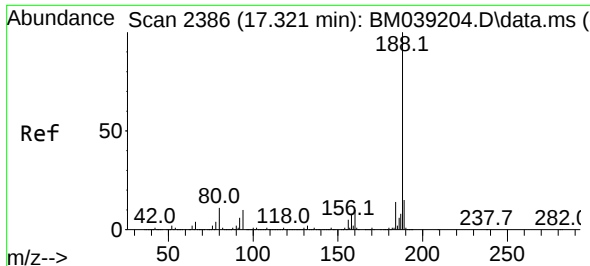


#58
Fluorene
Concen: 2.069 ng
RT: 15.610 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41



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





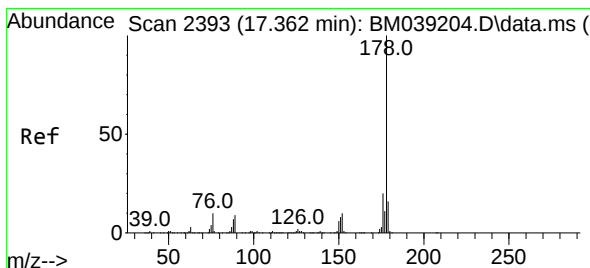
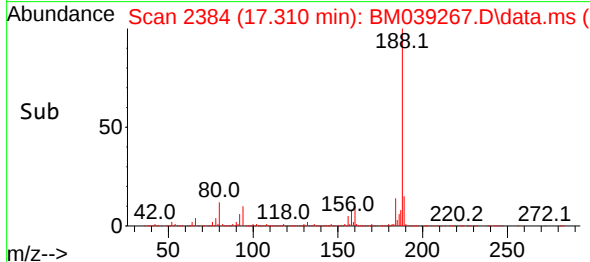
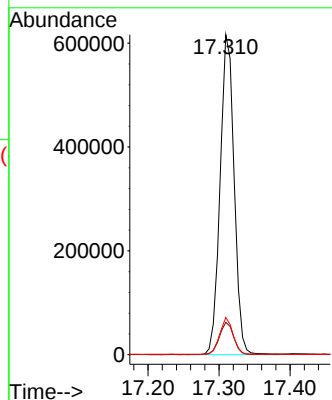
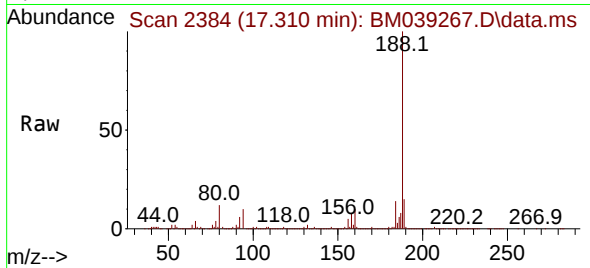
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Instrument :
BNA_M
ClientSampleId :
B-37-SB01

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

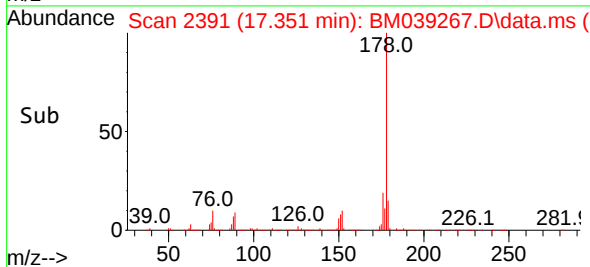
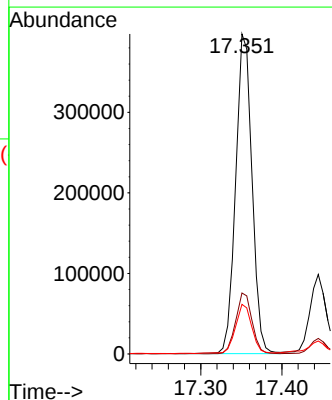
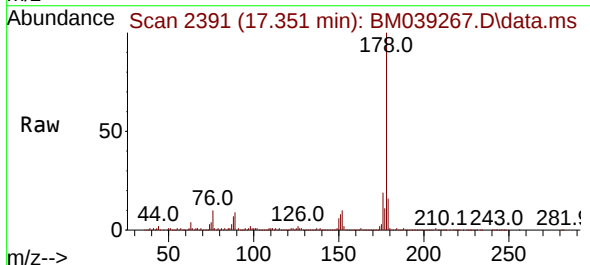
Manual Integrations
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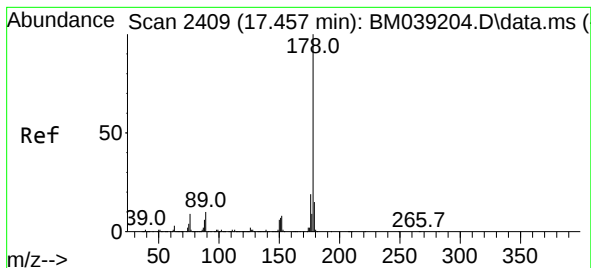
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#71
Phenanthrene
Concen: 11.973 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

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# 2409

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:178 Resp: 133040

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

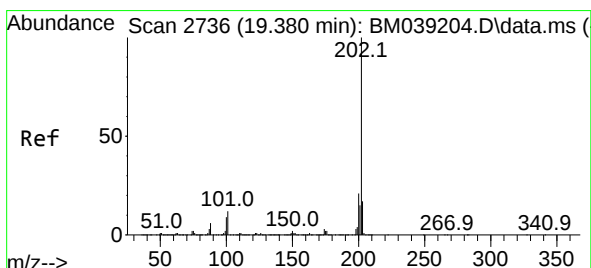
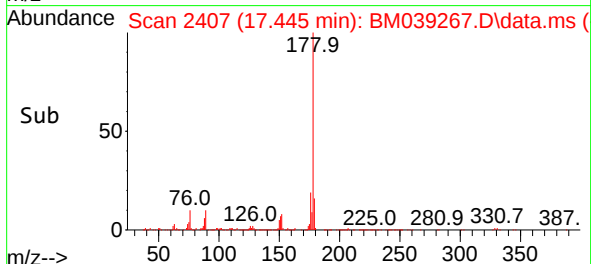
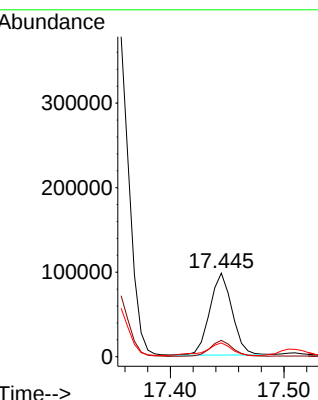
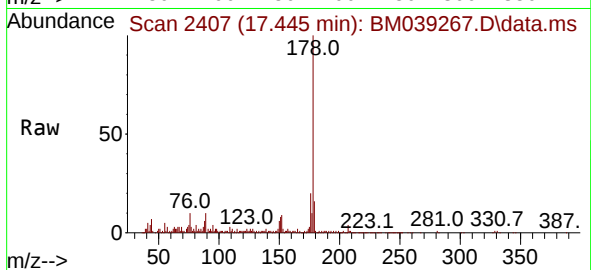
179 16.4 12.2 18.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

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#75

Fluoranthene

Concen: 13.354 ng

RT: 19.368 min Scan# 2734

Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

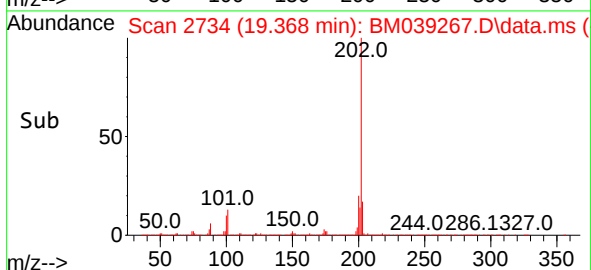
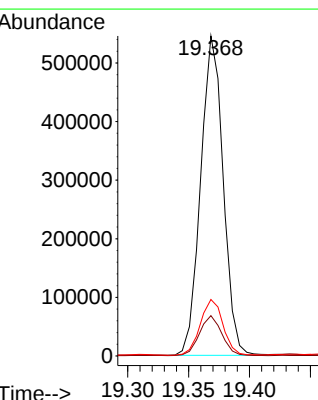
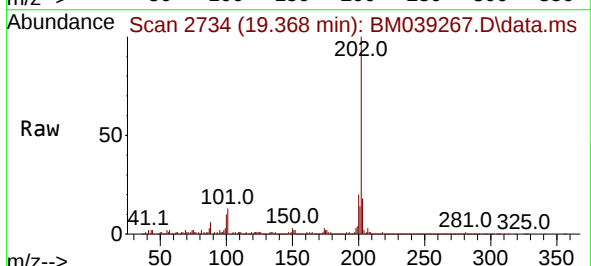
Tgt Ion:202 Resp: 703712

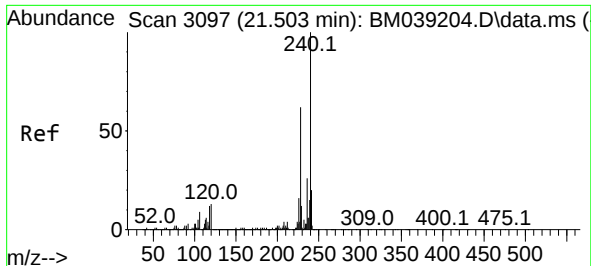
Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.5

203 17.6 0.0 37.5





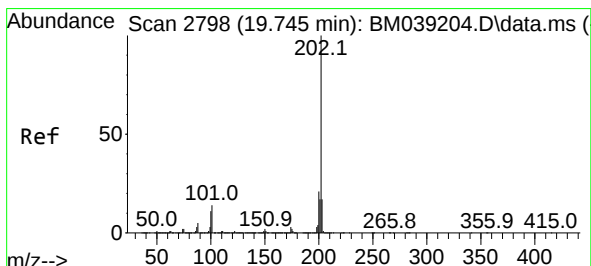
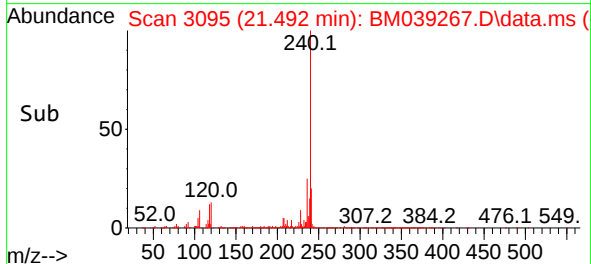
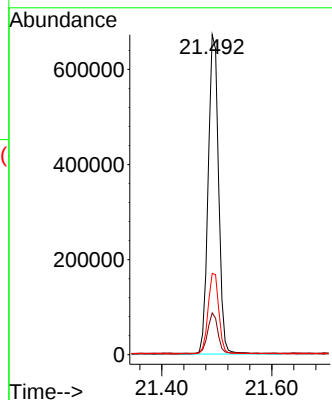
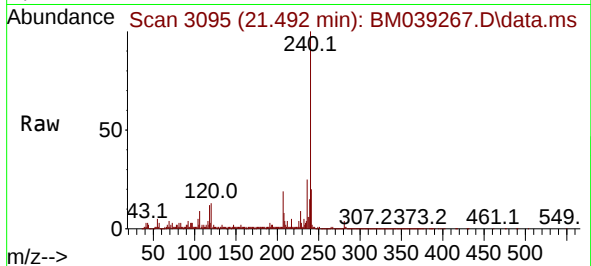
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.492 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

Instrument :
BNA_M
ClientSampleId :
B-37-SB01

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

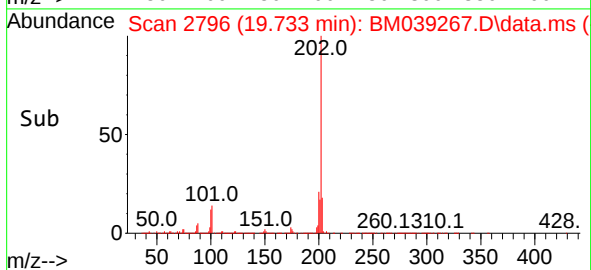
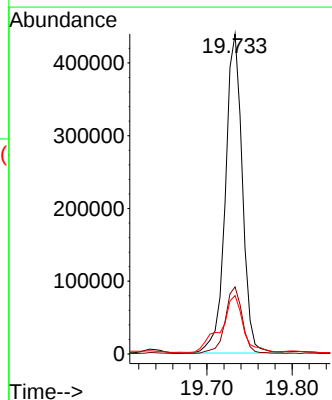
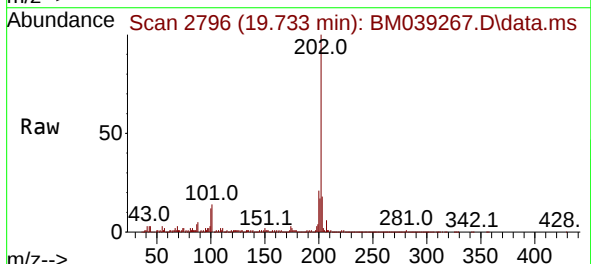
Manual Integrations
APPROVED

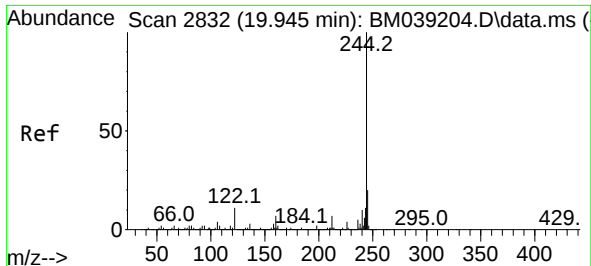
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#78
Pyrene
Concen: 9.659 ng
RT: 19.733 min Scan# 2796
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

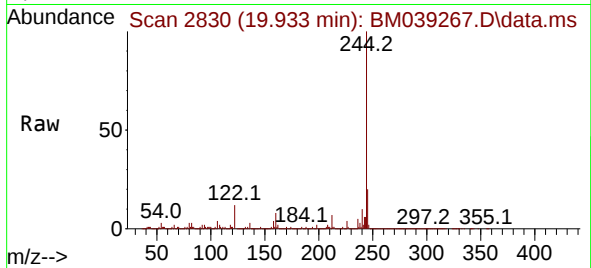
Tgt Ion:202 Resp: 606100
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.2 13.9 20.9





#79
 Terphenyl-d14
 Concen: 56.169 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039267.D
 Acq: 31 Mar 2023 23:41

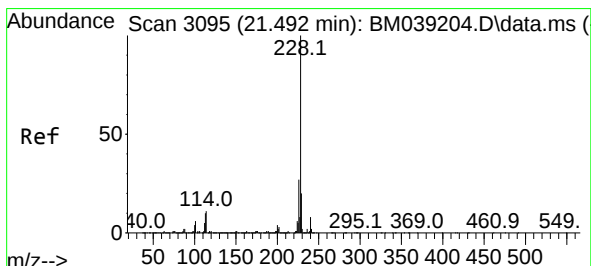
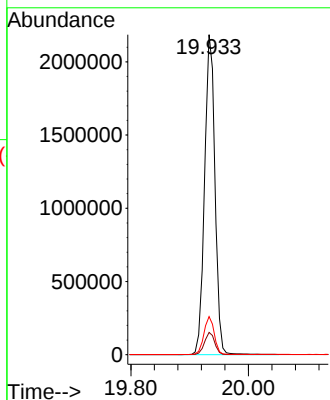
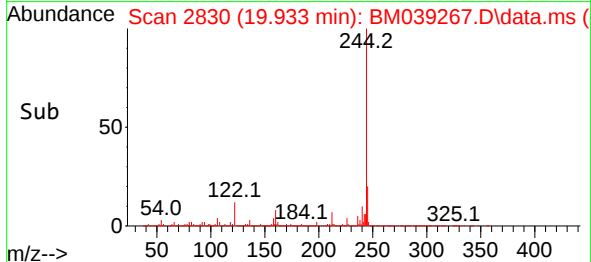
Instrument :
 BNA_M
 ClientSampleId :
 B-37-SB01



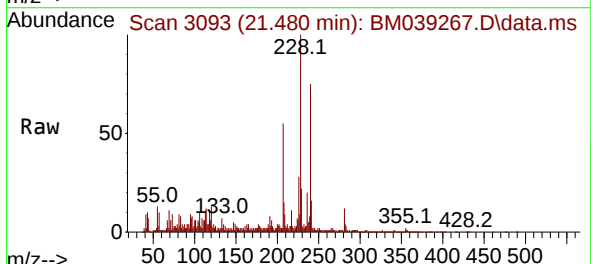
Tgt Ion:244 Resp: 267985
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.9 9.1 13.7

Manual Integrations
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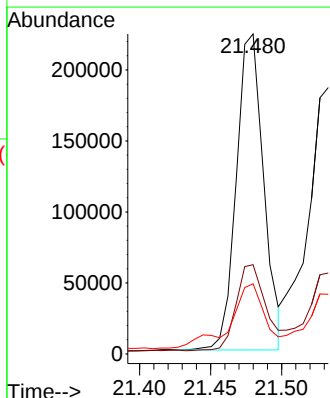
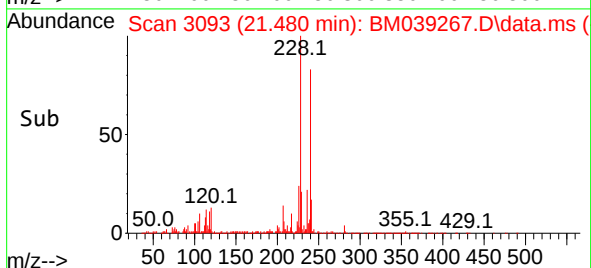
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

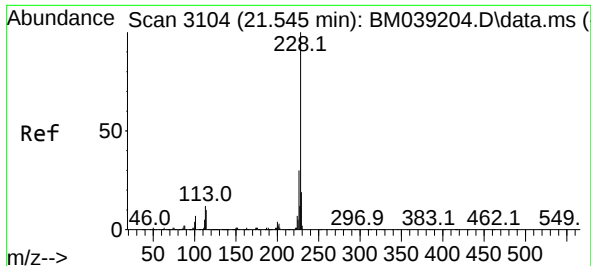


#81
 Benzo(a)anthracene
 Concen: 4.796 ng
 RT: 21.480 min Scan# 3093
 Delta R.T. -0.000 min
 Lab File: BM039267.D
 Acq: 31 Mar 2023 23:41



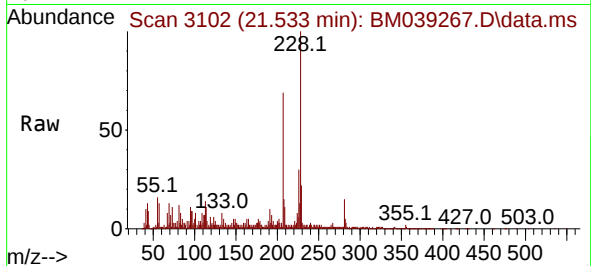
Tgt Ion:228 Resp: 298140
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.9 32.9
 229 22.0 15.8 23.6





#83
Chrysene
Concen: 4.854 ng m
RT: 21.533 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BM039267.D
Acq: 31 Mar 2023 23:41

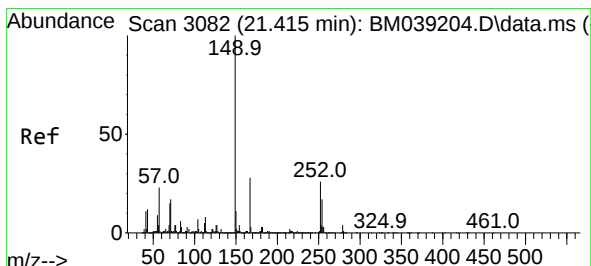
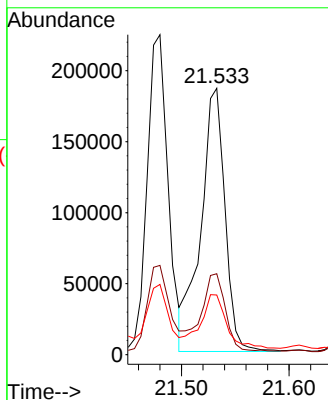
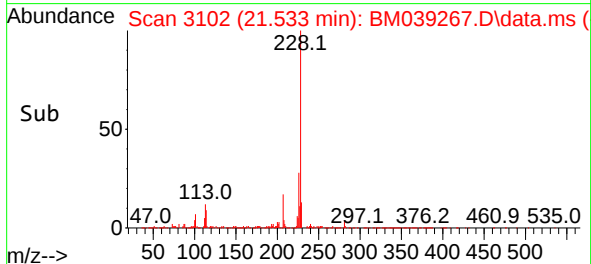
Instrument :
BNA_M
ClientSampleId :
B-37-SB01



Tgt Ion:228 Resp: 291330
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 22.4 15.5 23.3

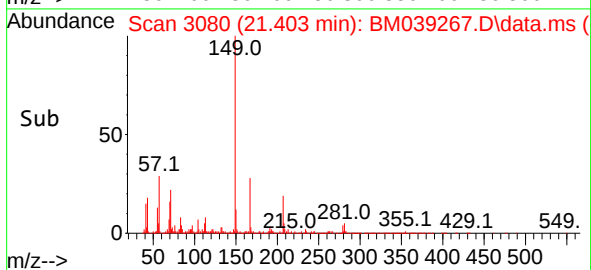
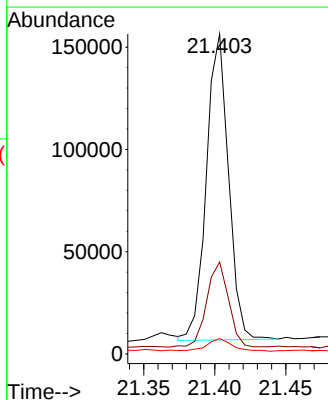
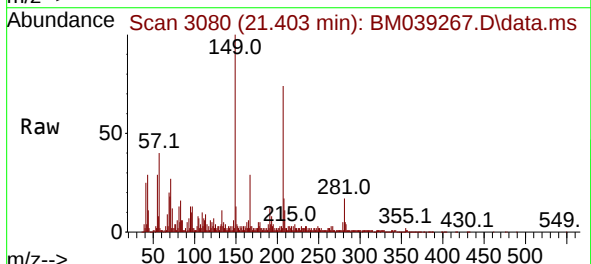
Manual Integrations
APPROVED

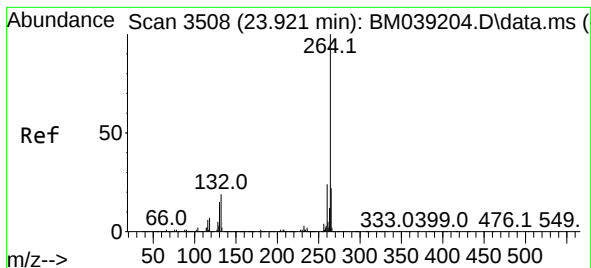
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#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

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

Instrument :

BNA_M

ClientSampleId :

B-37-SB01

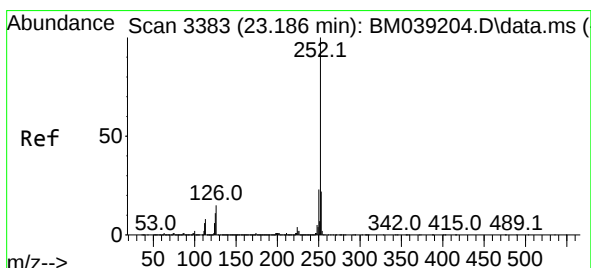
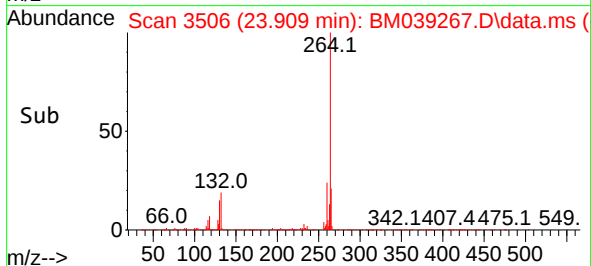
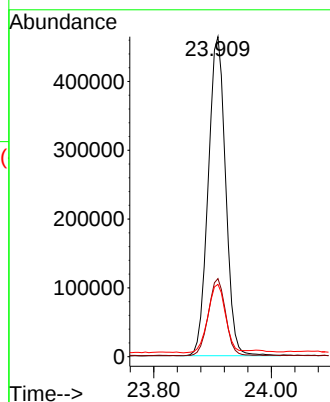
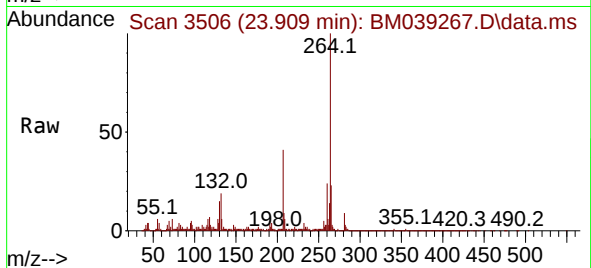
Tgt Ion:	264	Resp:	954728
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.0	28.6
265	22.6	18.1	27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#88

Benzo(b)fluoranthene

Concen: 5.333 ng

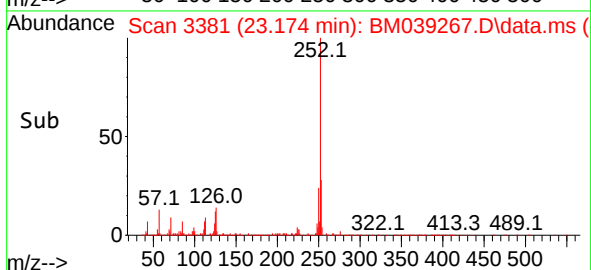
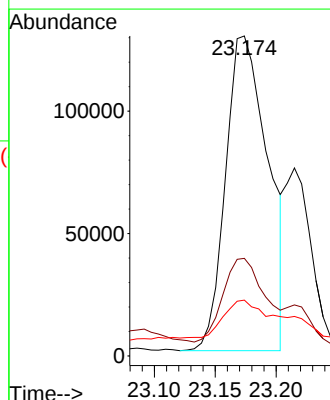
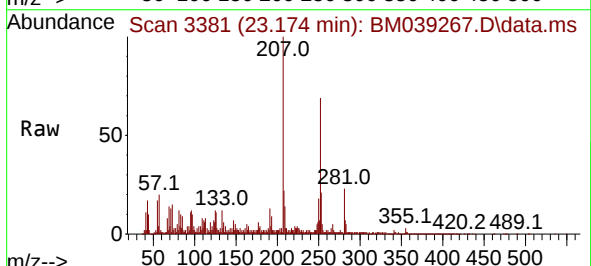
RT: 23.174 min Scan# 3381

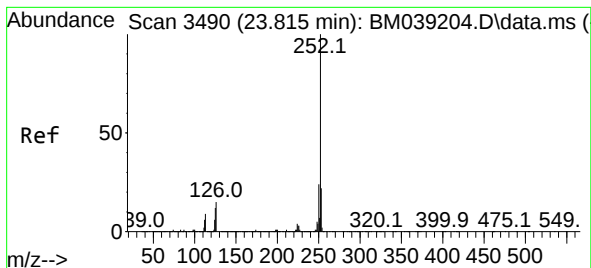
Delta R.T. -0.000 min

Lab File: BM039267.D

Acq: 31 Mar 2023 23:41

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





#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 :

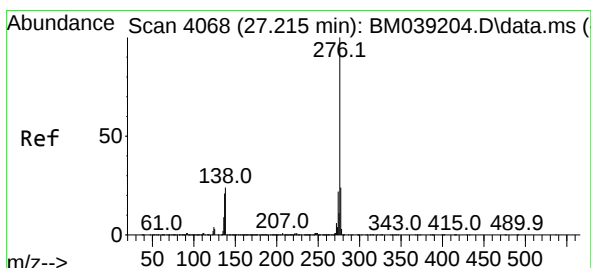
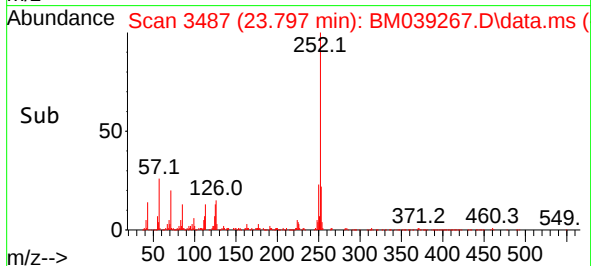
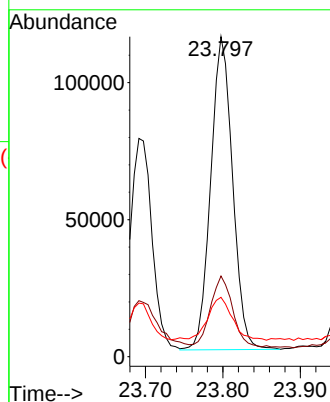
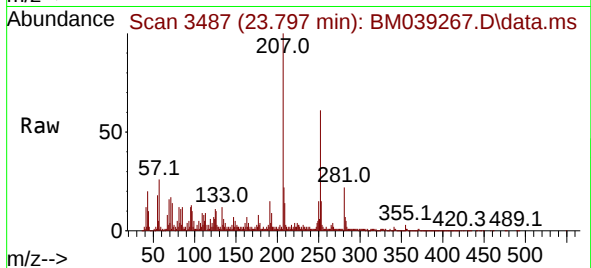
B-37-SB01

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

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#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

