

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041223\
 Data File : BM039409.D
 Acq On : 12 Apr 2023 18:39
 Operator : CG/JU
 Sample : 02284-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-2-041123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/13/2023
 Supervised By : Jagrut Upadhyay 04/13/2023

Quant Time: Apr 13 01:49:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	254504	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1018115	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	597887	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	1194308	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1000795	20.000	ng	0.00
86) Perylene-d12	23.850	264	1035578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	649012	38.420	ng	0.02
7) Phenol-d6	7.069	99	830178	37.996	ng	0.04
23) Nitrobenzene-d5	9.034	82	494779	23.620	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	276081	36.376	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	1139130	25.815	ng	0.00
79) Terphenyl-d14	19.892	244	1578096	29.133	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.239	152	270711	4.607	ng	100
71) Phenanthrene	17.310	178	599668	9.168	ng	99
72) Anthracene	17.398	178	327717	4.914	ng	99
75) Fluoranthene	19.327	202	1271753	17.056	ng	100
78) Pyrene	19.692	202	1344458	18.871	ng	99
81) Benzo(a)anthracene	21.445	228	570698	8.086	ng	92
83) Chrysene	21.498	228	620696m	9.109	ng	
87) Indeno(1,2,3-cd)pyrene	26.333	276	392220	5.140	ng	95
88) Benzo(b)fluoranthene	23.121	252	776763m	12.259	ng	
89) Benzo(k)fluoranthene	23.162	252	222651m	3.450	ng	
90) Benzo(a)pyrene	23.745	252	592753	9.523	ng	# 92
92) Benzo(g,h,i)perylene	27.097	276	470556	7.468	ng	97

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

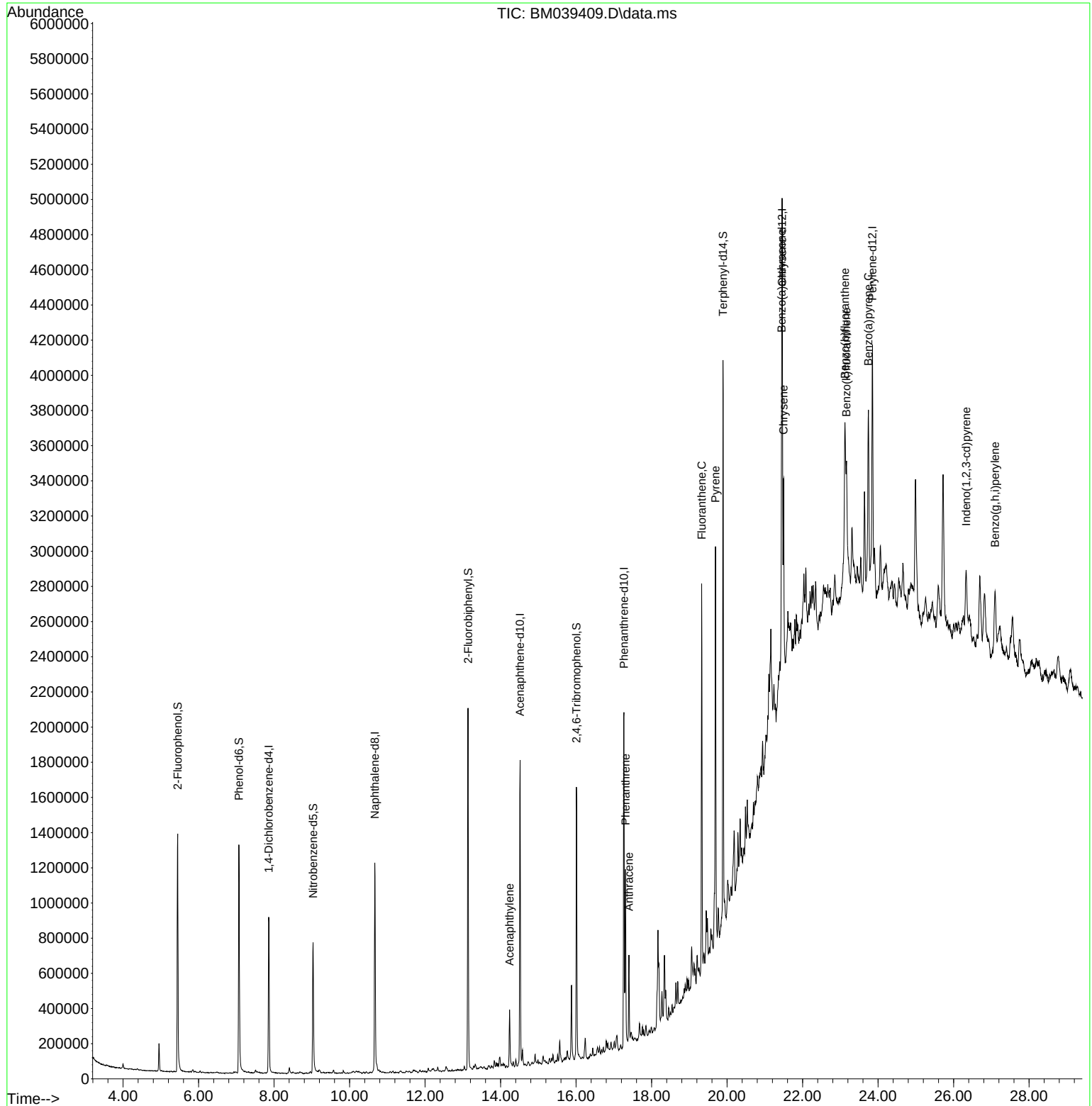
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041223\
Data File : BM039409.D
Acq On : 12 Apr 2023 18:39
Operator : CG/JU
Sample : 02284-01 2X
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ALS Vial : 9 Sample Multiplier: 1

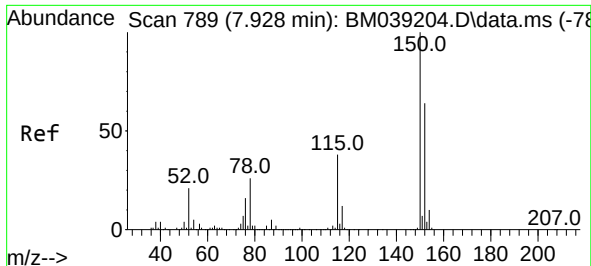
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Quant Time: Apr 13 01:49:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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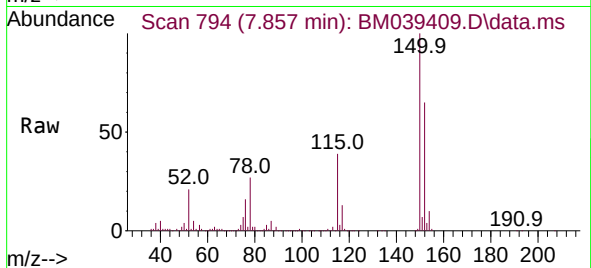
Reviewed By : Christian Giraldo 04/13/2023
Supervised By : Jagrut Upadhyay 04/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

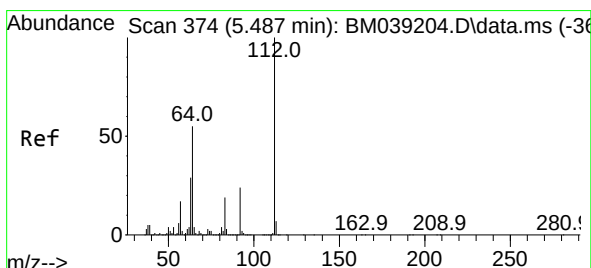
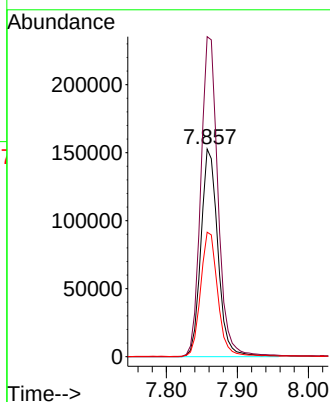
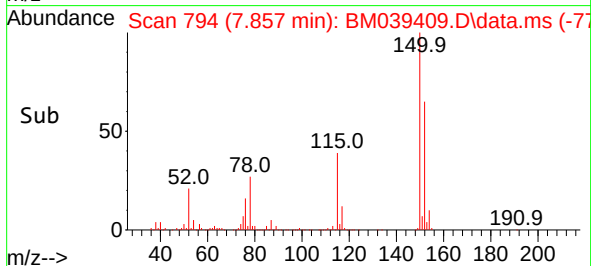
Instrument :
BNA_M
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OR-2-041123



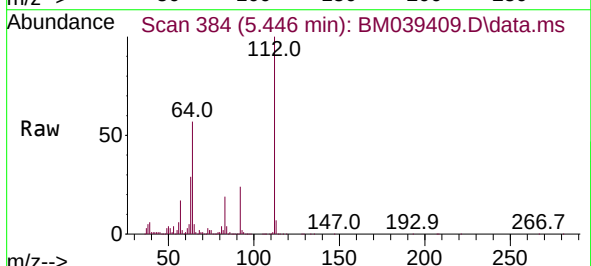
Tgt Ion:152 Resp: 254504
Ion Ratio Lower Upper
152 100
150 154.1 125.5 188.3
115 59.9 48.1 72.1

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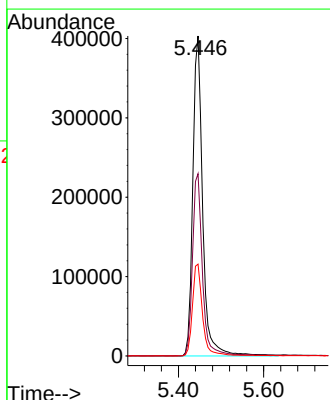
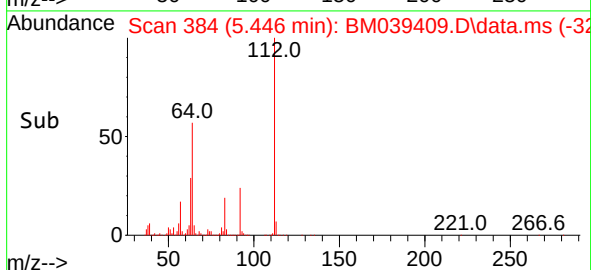
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023

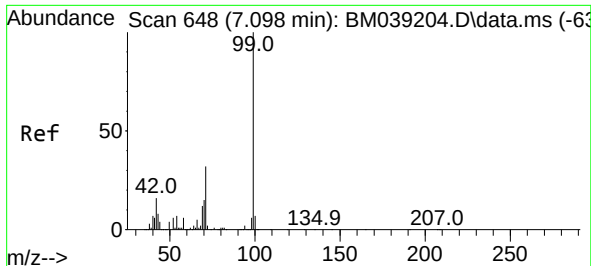


#5
2-Fluorophenol
Concen: 38.420 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.024 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39



Tgt Ion:112 Resp: 649012
Ion Ratio Lower Upper
112 100
64 57.0 44.3 66.5
63 28.7 23.0 34.6





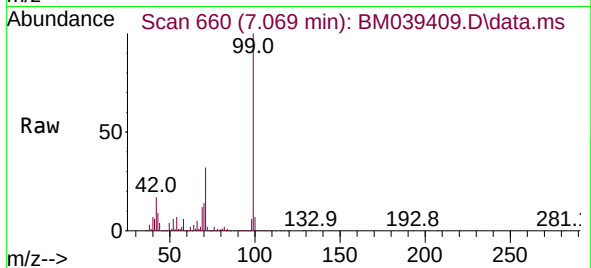
#7
Phenol-d6
Concen: 37.996 ng
RT: 7.069 min Scan# 60
Delta R.T. 0.036 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Instrument :

BNA_M

ClientSampleId :

OR-2-041123

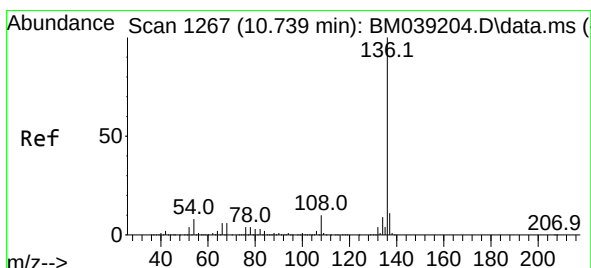
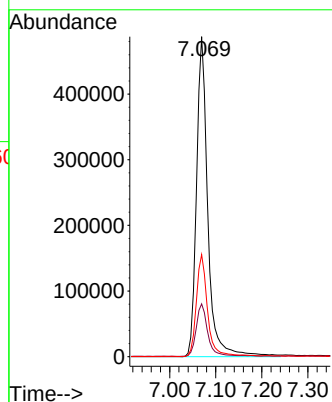
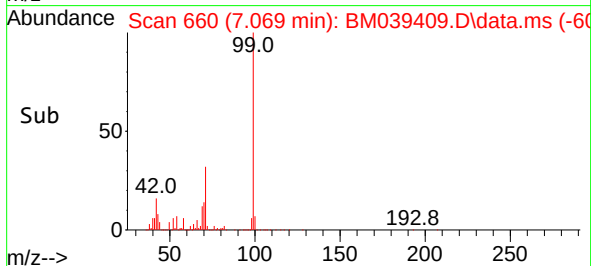


Tgt Ion: 99 Resp: 830178
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.6
71 31.9 25.5 38.3

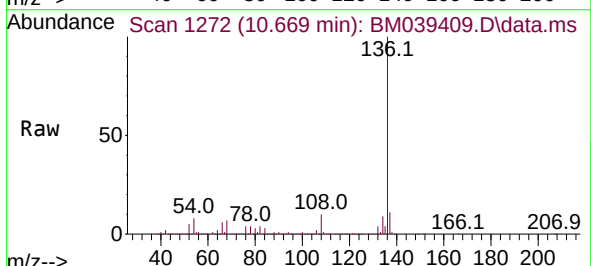
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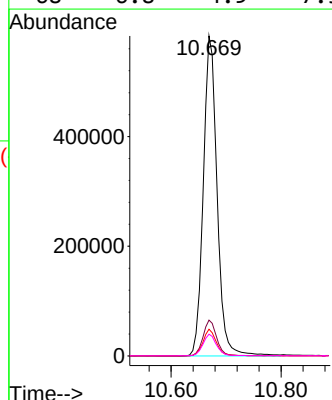
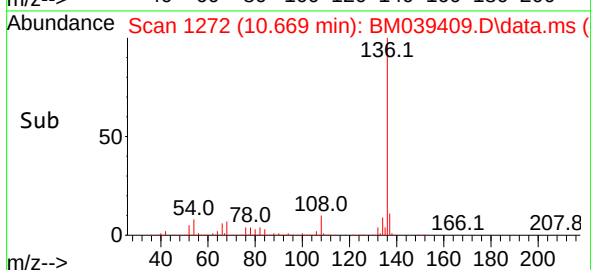
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023

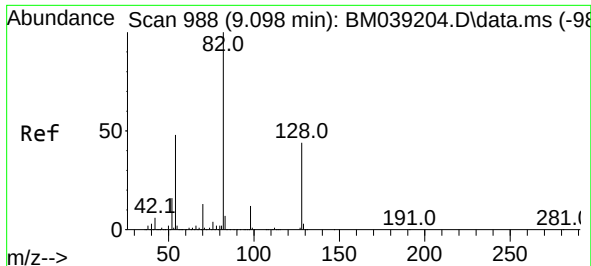


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39



Tgt Ion:136 Resp: 1018115
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.4 6.2 9.4
68 6.8 4.9 7.3





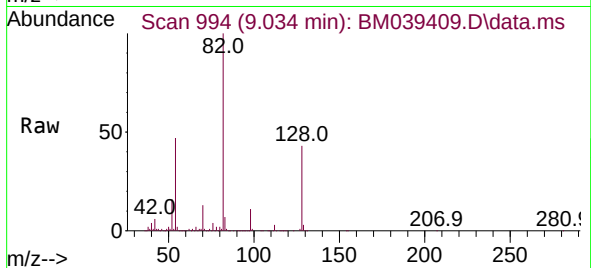
#23
Nitrobenzene-d5
Concen: 23.620 ng
RT: 9.034 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Instrument :

BNA_M

ClientSampleId :

OR-2-041123

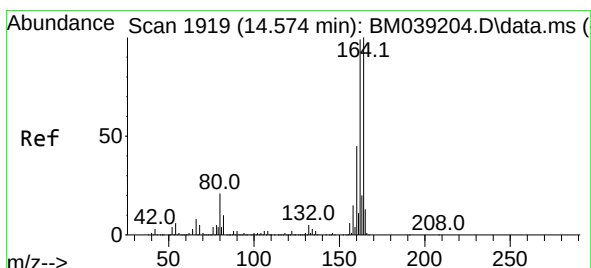
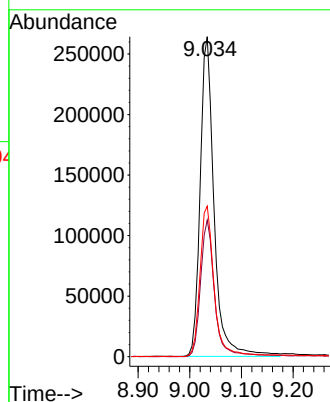
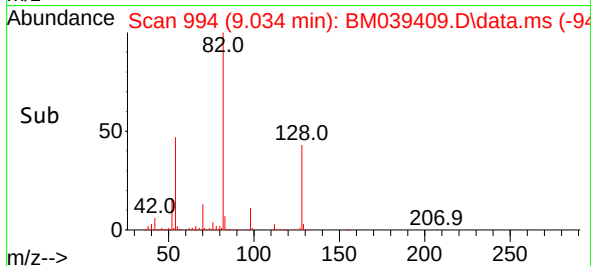


Tgt Ion: 82 Resp: 494779
Ion Ratio Lower Upper
82 100
128 42.7 35.1 52.7
54 47.1 38.5 57.7

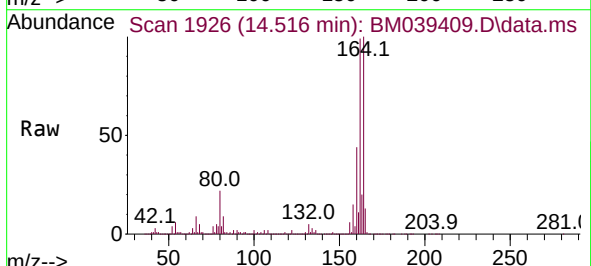
Manual Integrations

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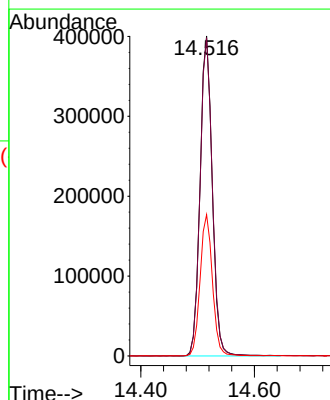
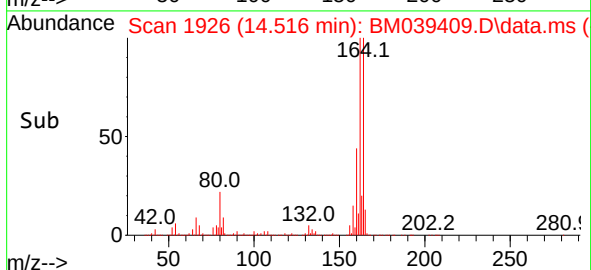
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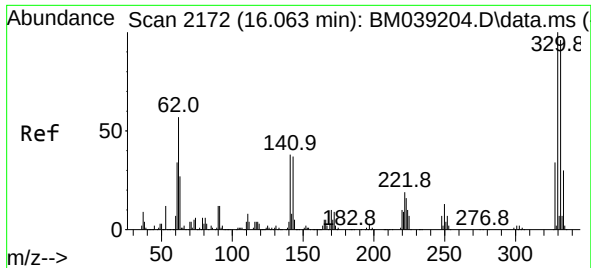


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39



Tgt Ion:164 Resp: 597887
Ion Ratio Lower Upper
164 100
162 99.5 79.1 118.7
160 44.1 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 36.376 ng
RT: 16.010 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Instrument :

BNA_M

ClientSampleId :

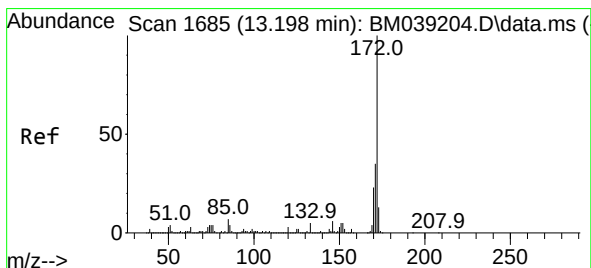
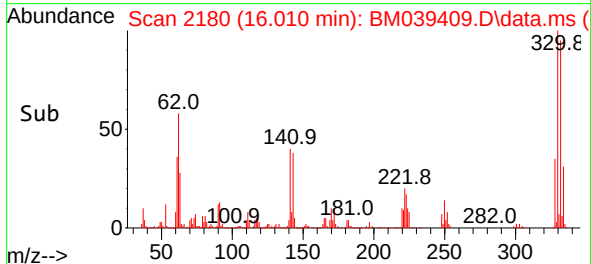
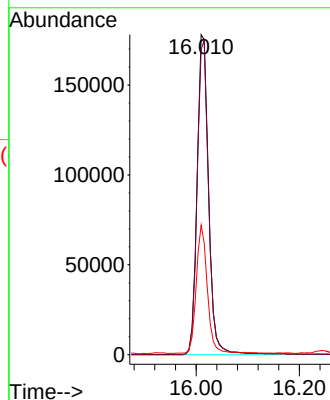
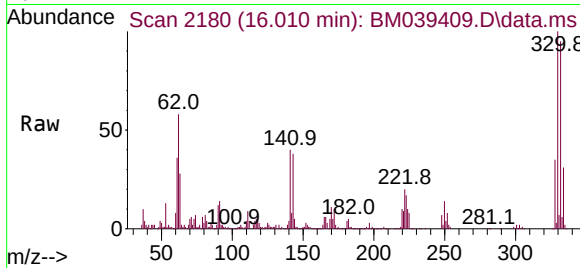
OR-2-041123

Tgt Ion:330 Resp: 27608
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 39.3 29.8 44.6

Manual Integrations

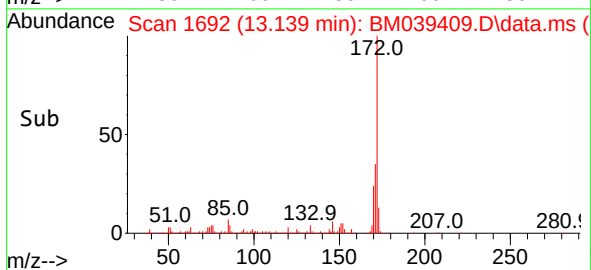
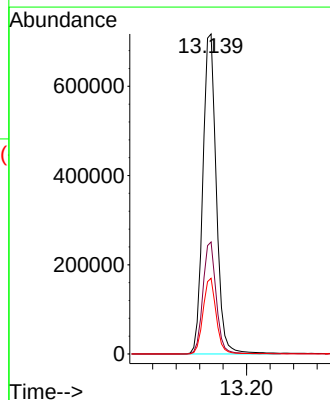
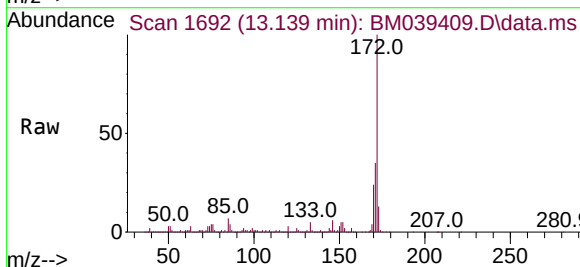
APPROVED

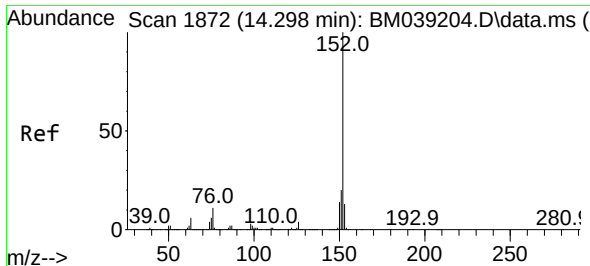
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#45
2-Fluorobiphenyl
Concen: 25.815 ng
RT: 13.139 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

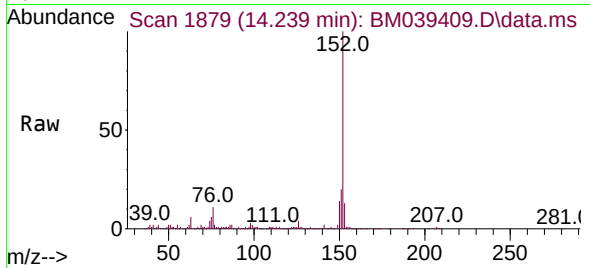
Tgt Ion:172 Resp: 1139130
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.6 18.7 28.1





#49
Acenaphthylene
Concen: 4.607 ng
RT: 14.239 min Scan# 1872
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

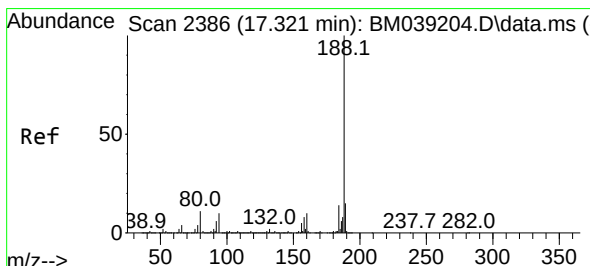
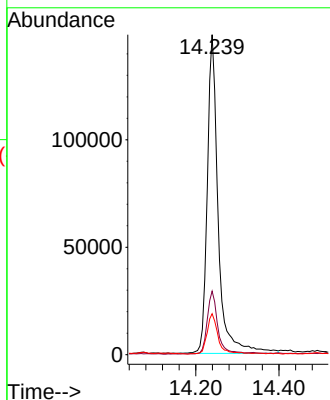
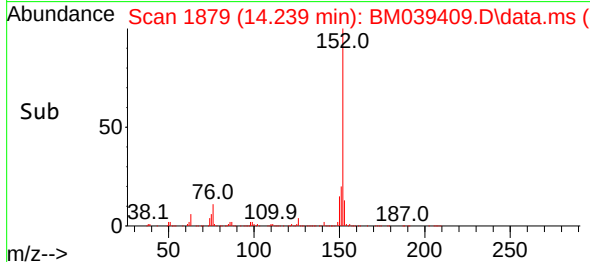
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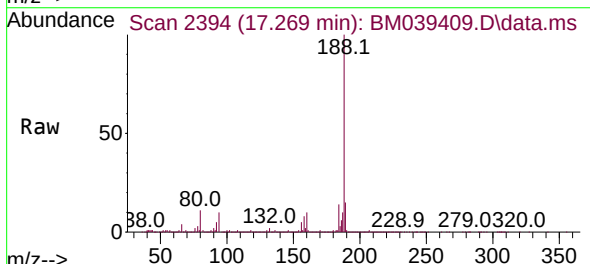
Tgt Ion:152 Resp: 27071
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.8 10.3 15.5

Manual Integrations
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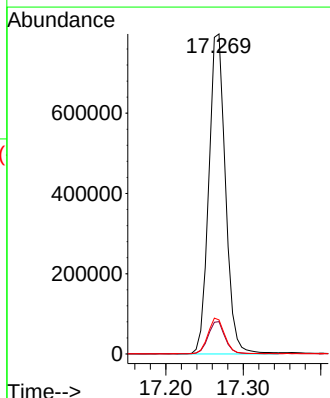
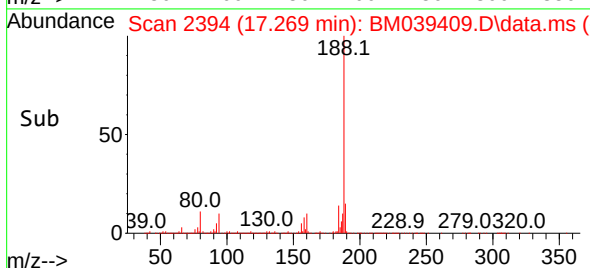
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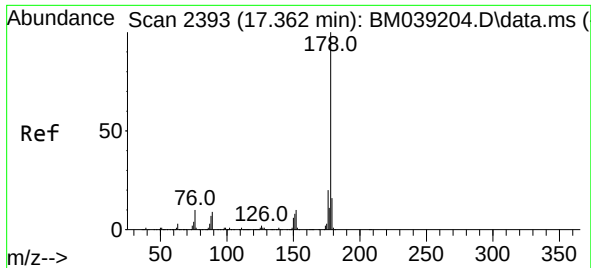


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39



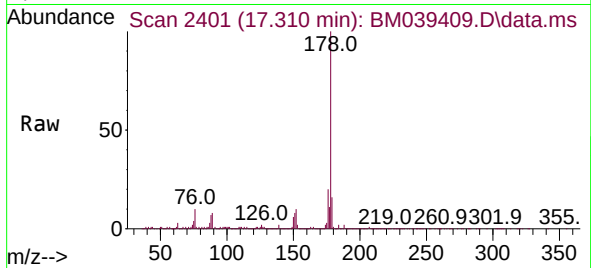
Tgt Ion:188 Resp: 1194308
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.4
80 10.7 8.9 13.3





#71
Phenanthrene
Concen: 9.168 ng
RT: 17.310 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

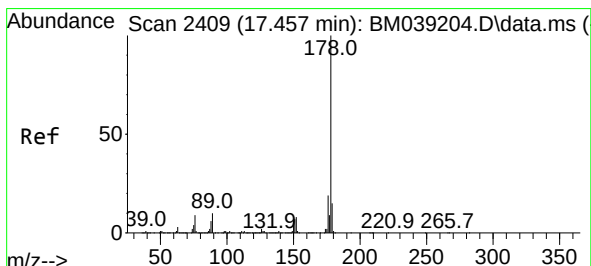
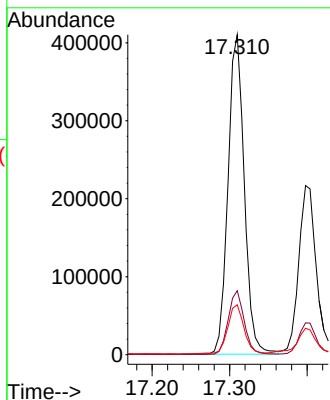
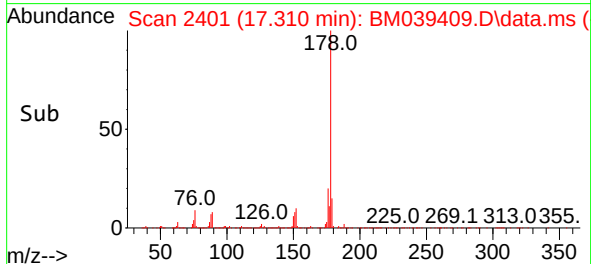
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ClientSampleId :
OR-2-041123



Tgt Ion:178 Resp: 599668
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.6 12.4 18.6

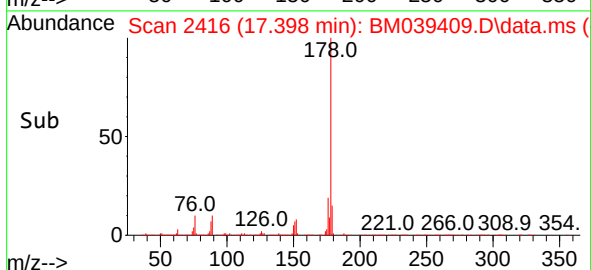
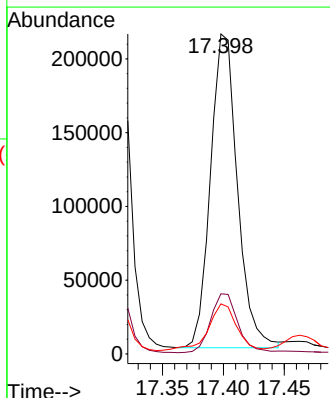
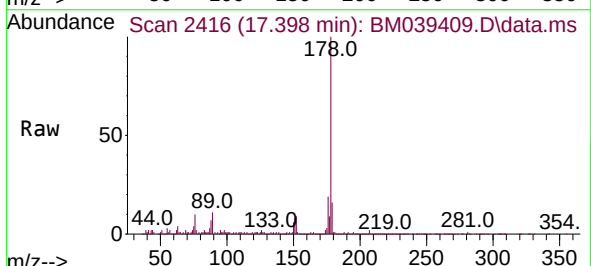
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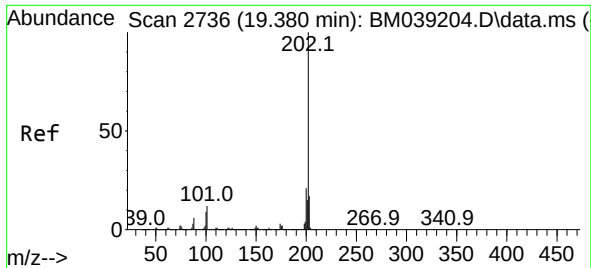
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#72
Anthracene
Concen: 4.914 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

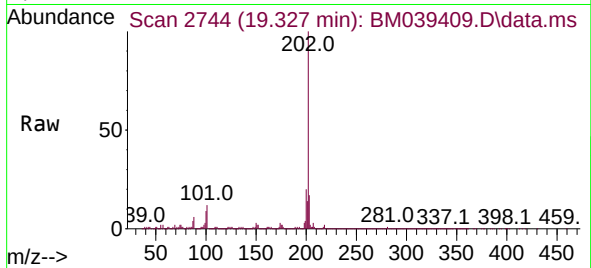
Tgt Ion:178 Resp: 327717
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.6 12.2 18.2





#75
Fluoranthene
Concen: 17.056 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

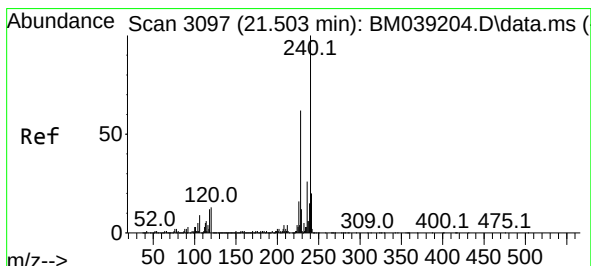
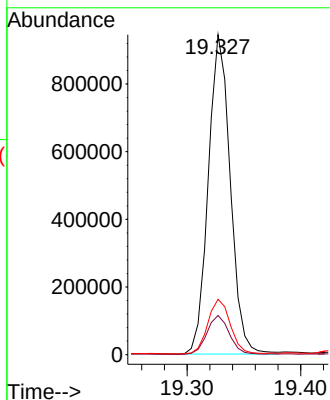
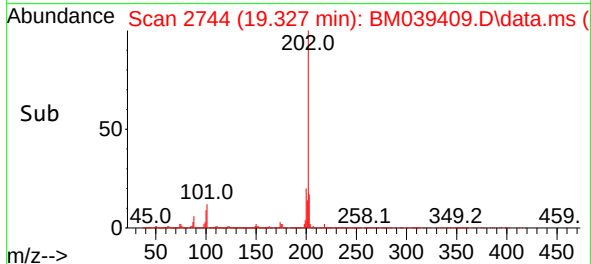
Instrument :
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Tgt Ion:202 Resp: 127175
Ion Ratio Lower Upper
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101 12.3 0.0 32.5
203 17.3 0.0 37.5

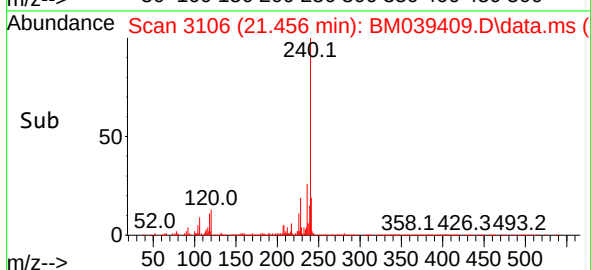
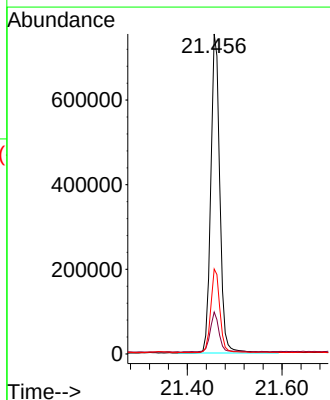
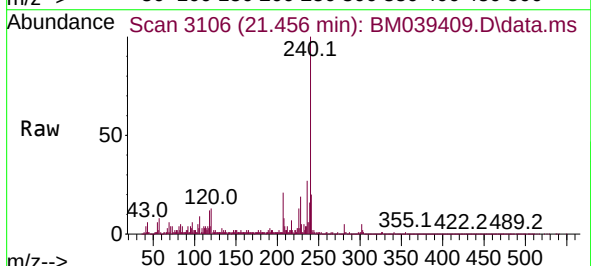
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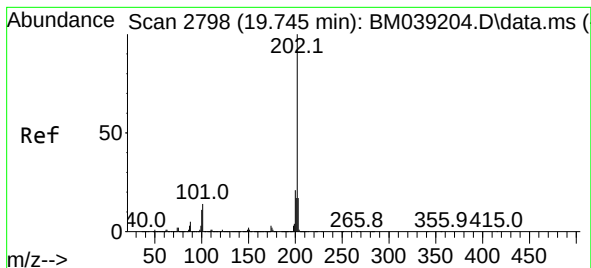
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Tgt Ion:240 Resp: 1000795
Ion Ratio Lower Upper
240 100
120 13.1 10.2 15.2
236 26.6 20.9 31.3





#78

Pyrene

Concen: 18.871 ng

RT: 19.692 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039409.D

Acq: 12 Apr 2023 18:39

Instrument :

BNA_M

ClientSampleId :

OR-2-041123

Tgt Ion:202 Resp: 1344458

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

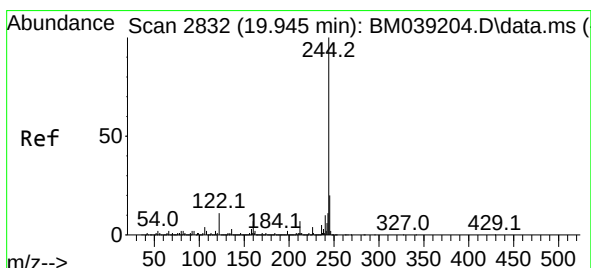
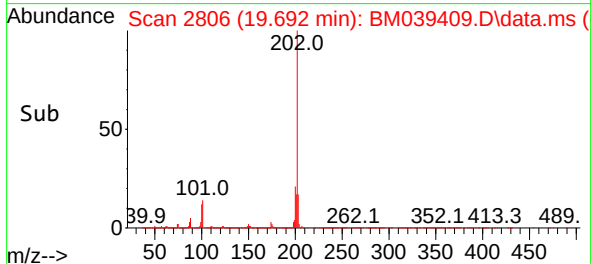
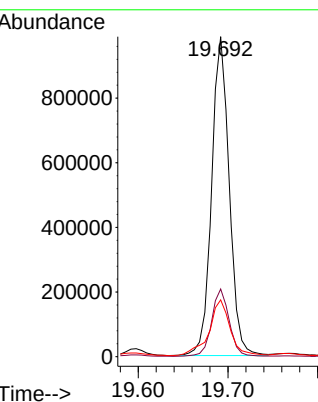
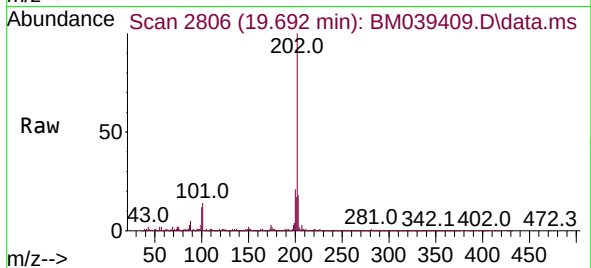
203 17.7 13.9 20.9

Manual Integrations

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Reviewed By :Christian Giraldo 04/13/2023

Supervised By :Jagrut Upadhyay 04/13/2023



#79

Terphenyl-d14

Concen: 29.133 ng

RT: 19.892 min Scan# 2840

Delta R.T. -0.006 min

Lab File: BM039409.D

Acq: 12 Apr 2023 18:39

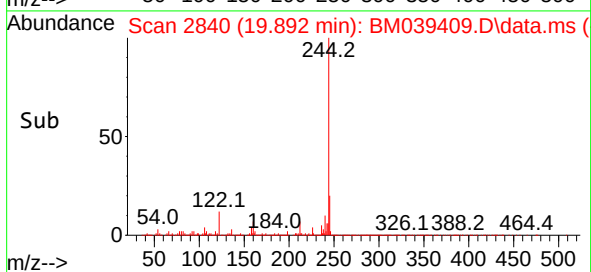
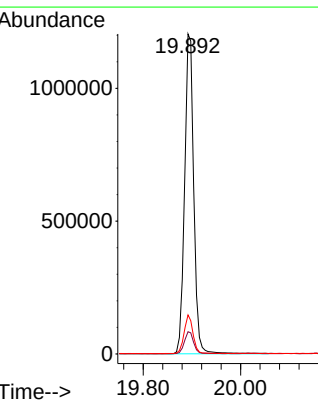
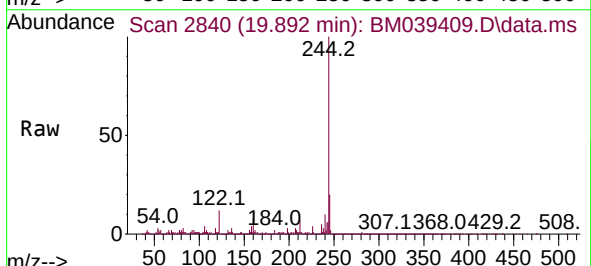
Tgt Ion:244 Resp: 1578096

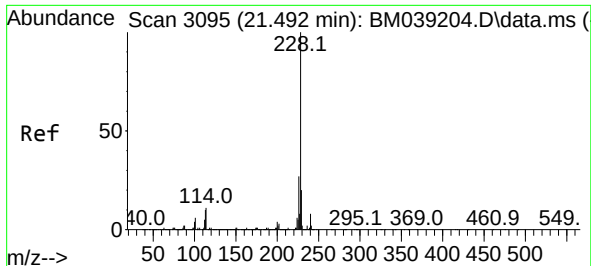
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.2 9.1 13.7





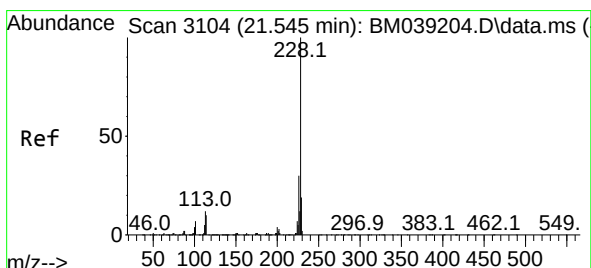
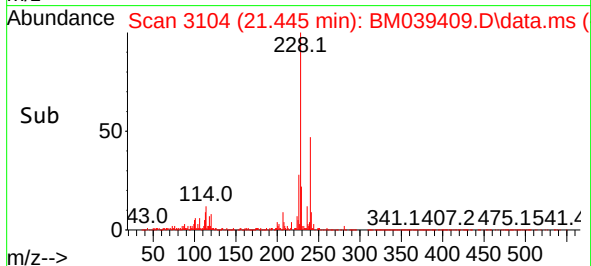
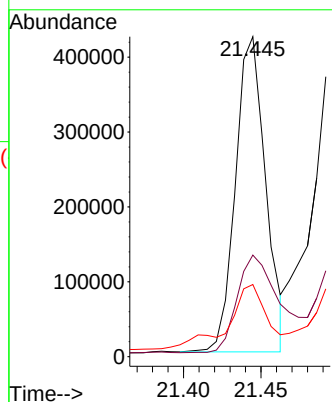
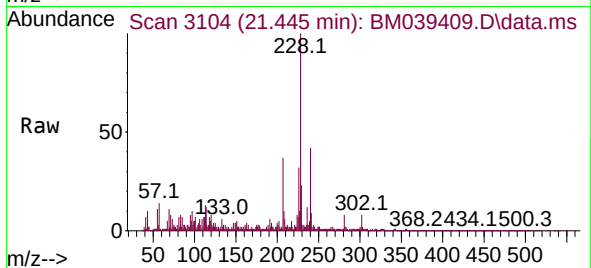
#81
Benzo(a)anthracene
Concen: 8.086 ng
RT: 21.445 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Instrument :
BNA_M
ClientSampleId :
OR-2-041123

Tgt Ion:228 Resp: 570698
Ion Ratio Lower Upper
228 100
226 31.8 21.9 32.9
229 22.6 15.8 23.6

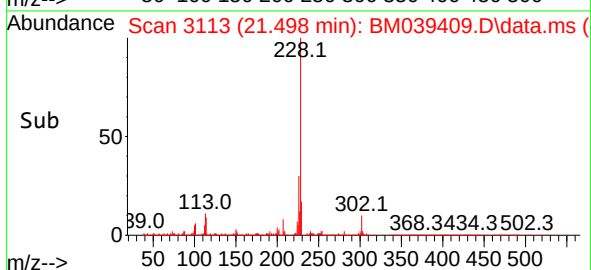
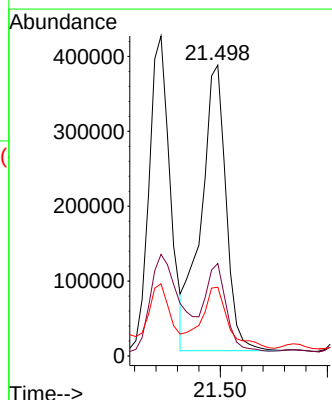
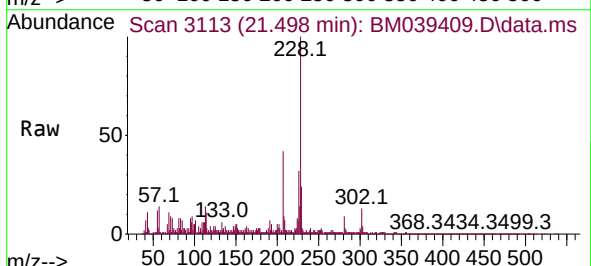
Manual Integrations
APPROVED

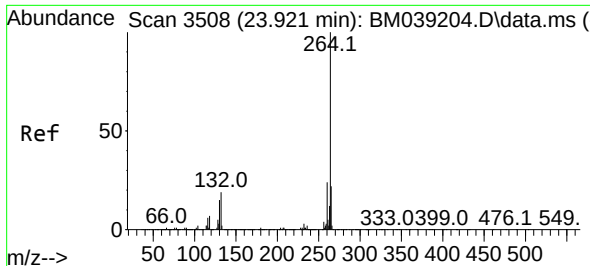
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#83
Chrysene
Concen: 9.109 ng m
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

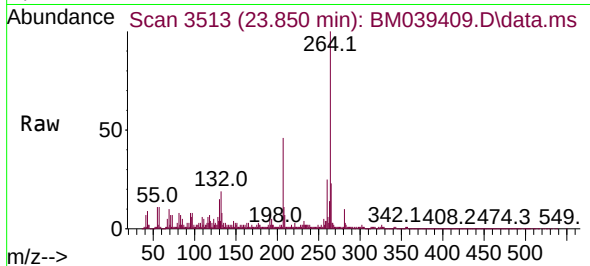
Tgt Ion:228 Resp: 620696
Ion Ratio Lower Upper
228 100
226 31.8 24.1 36.1
229 23.6 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.850 min Scan# 3508
Delta R.T. 0.000 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

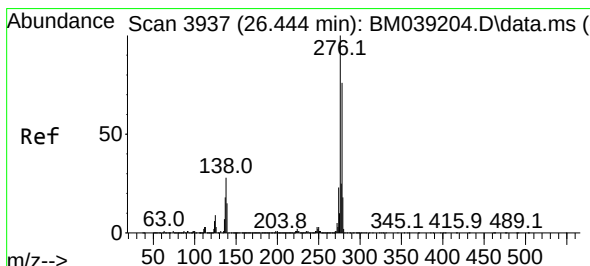
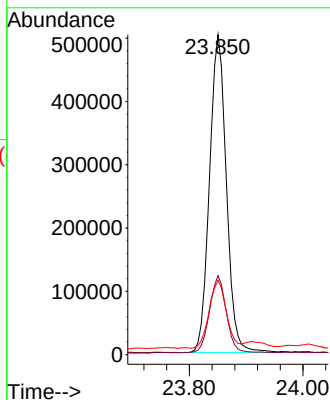
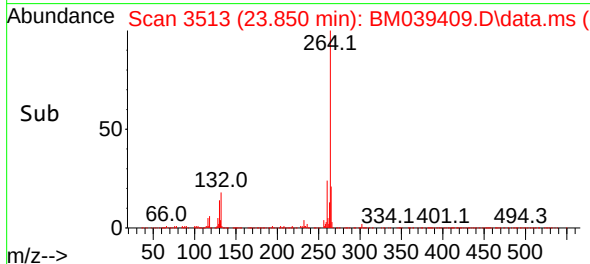
Instrument :
BNA_M
ClientSampleId :
OR-2-041123



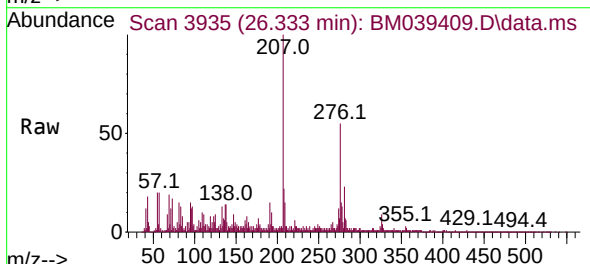
Tgt Ion: 264 Resp: 1035578
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 23.2 18.1 27.1

Manual Integrations
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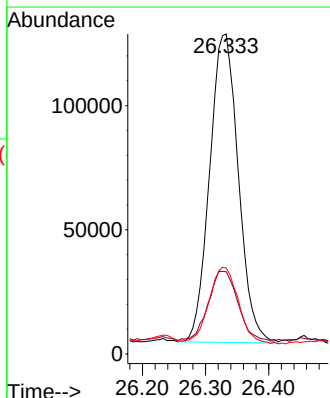
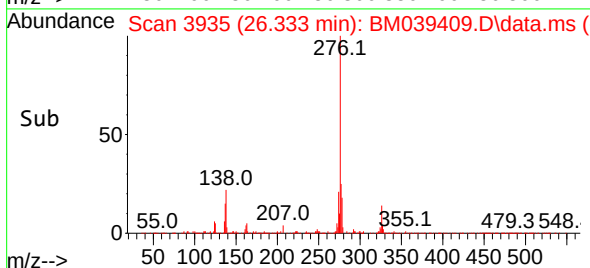
Reviewed By : Christian Giraldo 04/13/2023
Supervised By : Jagrut Upadhyay 04/13/2023

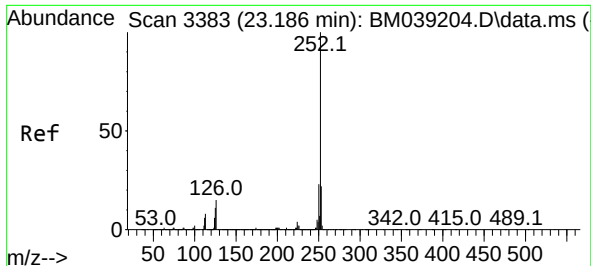


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.140 ng
RT: 26.333 min Scan# 3935
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39



Tgt Ion: 276 Resp: 392220
Ion Ratio Lower Upper
276 100
138 23.3 22.2 33.2
277 25.4 20.2 30.2





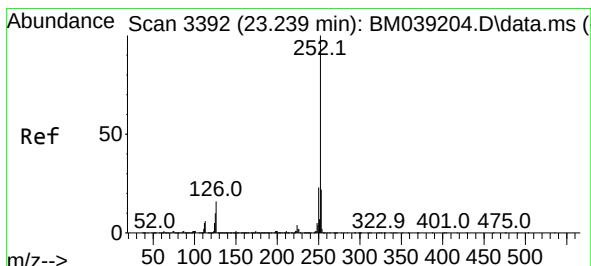
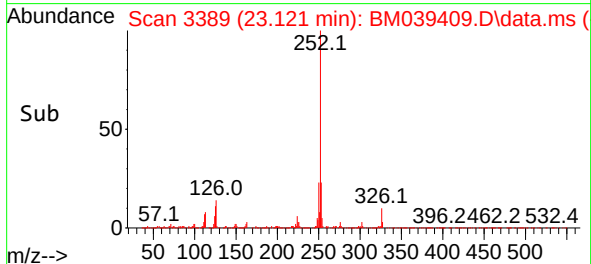
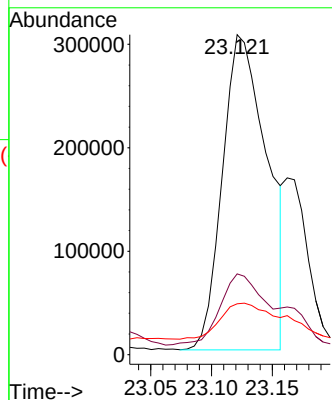
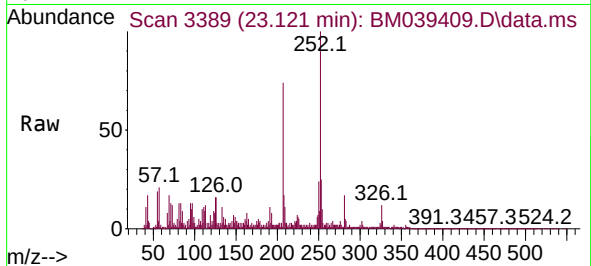
#88
Benzo(b)fluoranthene
Concen: 12.259 ng m
RT: 23.121 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Instrument :
BNA_M
ClientSampleId :
OR-2-041123

Tgt Ion:252 Resp: 77676
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 15.9 9.0 13.6

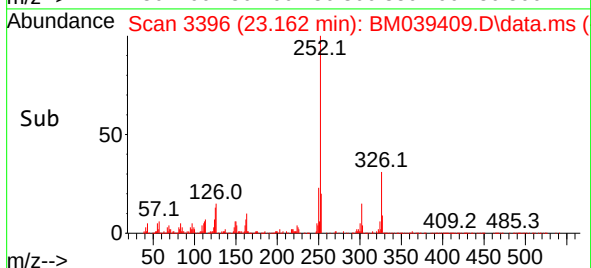
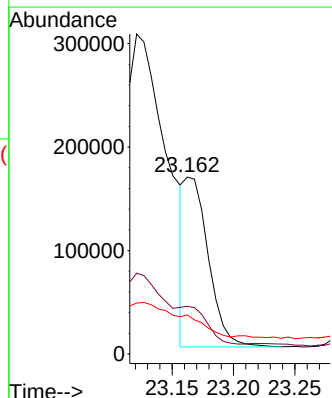
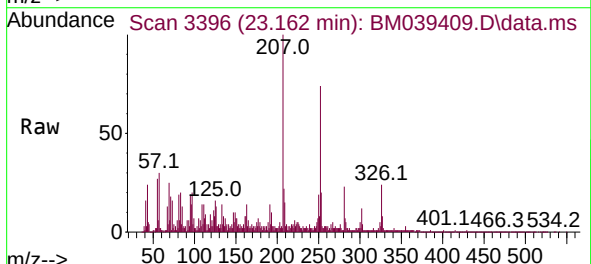
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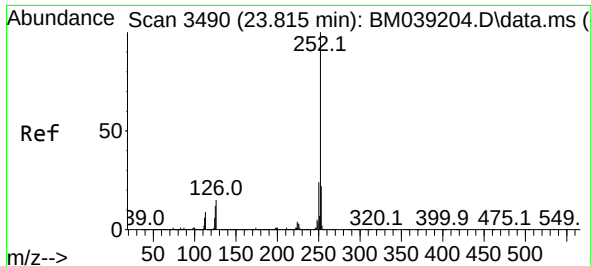
Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#89
Benzo(k)fluoranthene
Concen: 3.450 ng m
RT: 23.162 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

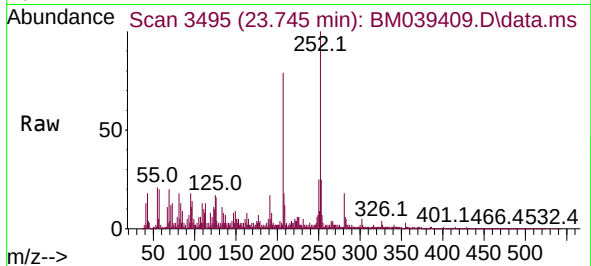
Tgt Ion:252 Resp: 222651
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.8#
125 22.1 8.5 12.7#





#90
Benzo(a)pyrene
Concen: 9.523 ng
RT: 23.745 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

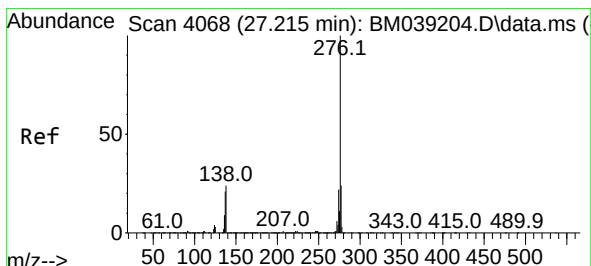
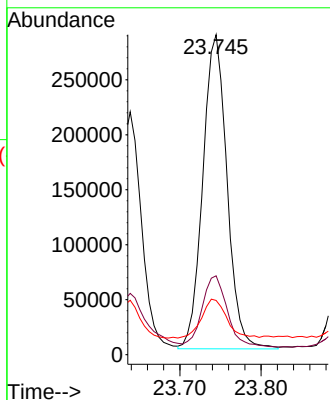
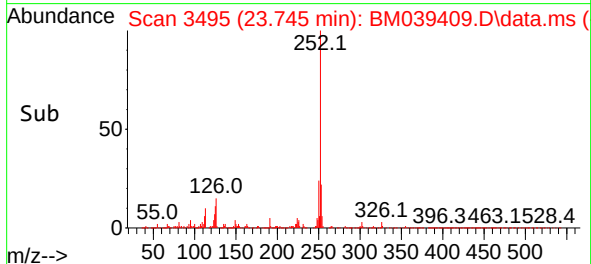
Instrument :
BNA_M
ClientSampleId :
OR-2-041123



Tgt Ion:252 Resp: 59275
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 17.0 9.8 14.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/13/2023
Supervised By :Jagrut Upadhyay 04/13/2023



#92
Benzo(g,h,i)perylene
Concen: 7.468 ng
RT: 27.097 min Scan# 4065
Delta R.T. -0.006 min
Lab File: BM039409.D
Acq: 12 Apr 2023 18:39

Tgt Ion:276 Resp: 470556
Ion Ratio Lower Upper
276 100
277 24.9 19.1 28.7
138 26.3 19.5 29.3

