

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
 Data File : BM036175.D
 Acq On : 09 Aug 2022 15:00
 Operator : CG/JU
 Sample : N3963-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-209

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 03:33:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	252506	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1013357	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	558724	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1089791	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1078063	20.000	ng	-0.01
86) Perylene-d12	23.768	264	1185527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1374637	88.261	ng	0.00
7) Phenol-d6	7.051	99	1701738	85.870	ng	-0.01
23) Nitrobenzene-d5	9.010	82	1052964	58.165	ng	-0.01
42) 2,4,6-Tribromophenol	15.974	330	602777	91.963	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	2262742	59.795	ng	-0.01
79) Terphenyl-d14	19.850	244	3226097	59.025	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.957	122	28408m	2.882	ng	
71) Phenanthrene	17.268	178	258517	4.656	ng	99
75) Fluoranthene	19.286	202	915626	14.733	ng	98
78) Pyrene	19.645	202	931946	13.941	ng	100
81) Benzo(a)anthracene	21.397	228	638237	9.612	ng	99
83) Chrysene	21.450	228	769101	12.185	ng	98
87) Indeno(1,2,3-cd)pyrene	26.215	276	721922	8.665	ng	97
88) Benzo(b)fluoranthene	23.050	252	1267007	18.241	ng	# 95
89) Benzo(k)fluoranthene	23.091	252	470942m	6.713	ng	
90) Benzo(a)pyrene	23.662	252	907322	15.569	ng	96
92) Benzo(g,h,i)perylene	26.973	276	758838	11.240	ng	99

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

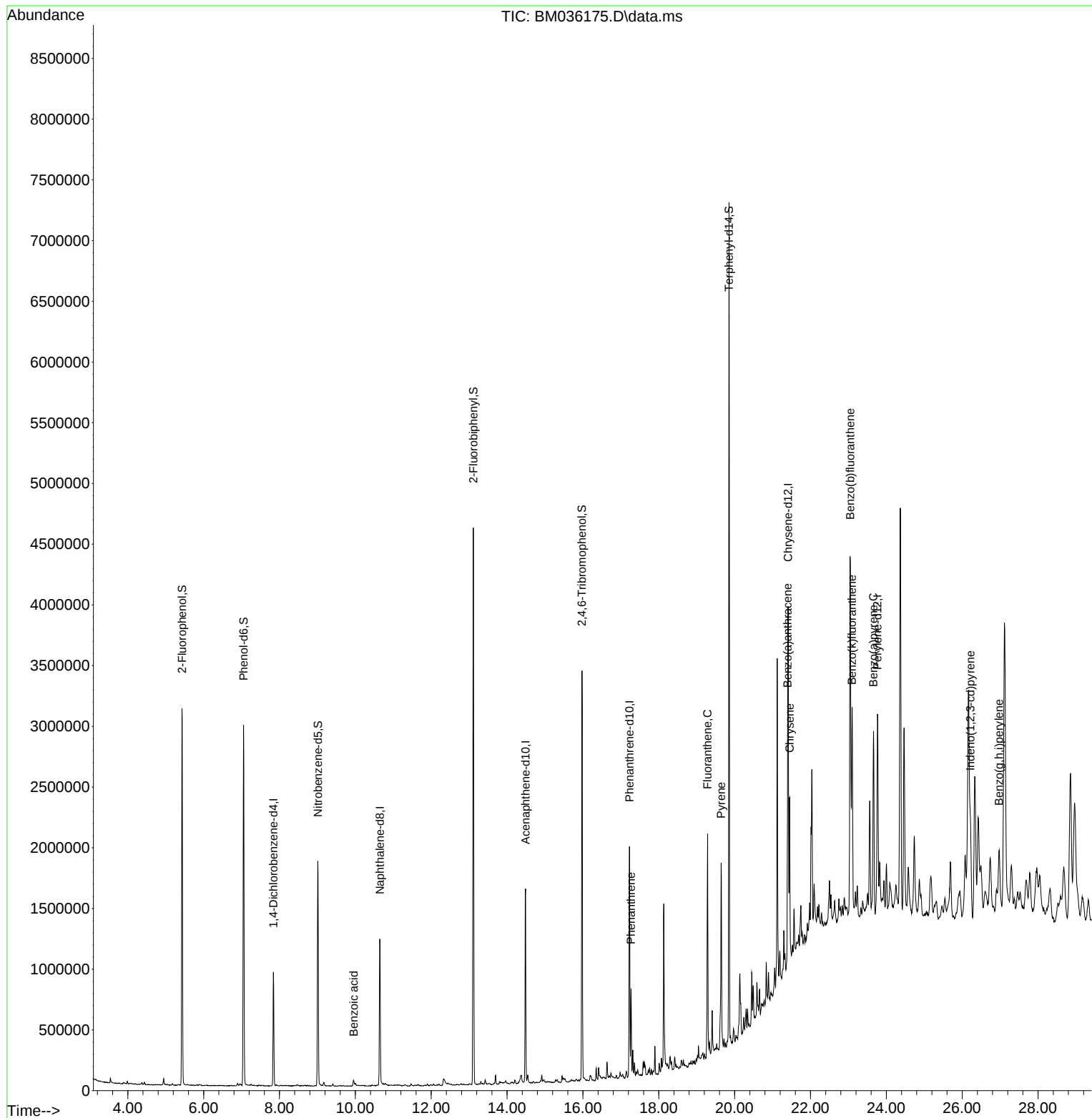
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Data File : BM036175.D
Acq On : 09 Aug 2022 15:00
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ALS Vial : 9 Sample Multiplier: 1

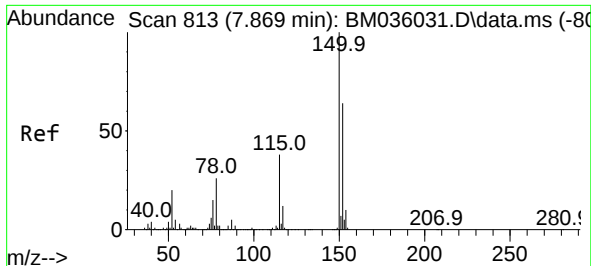
Instrument :
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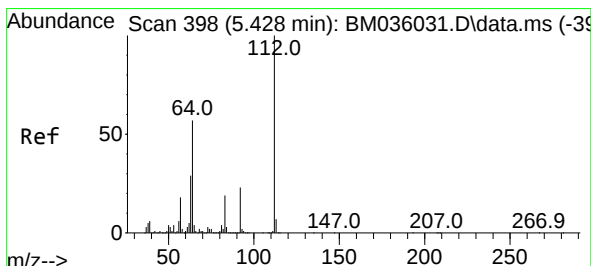
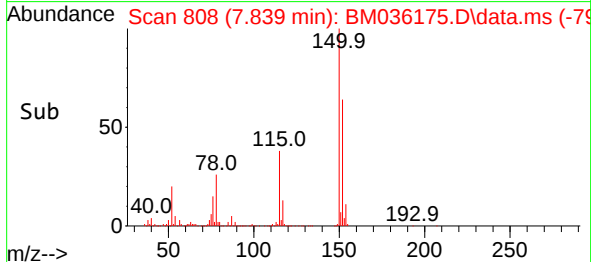
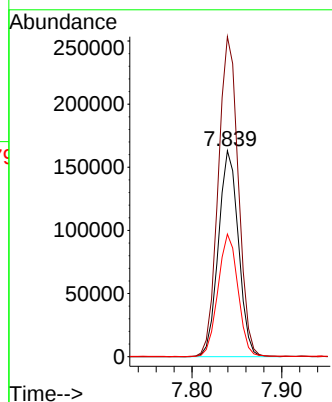
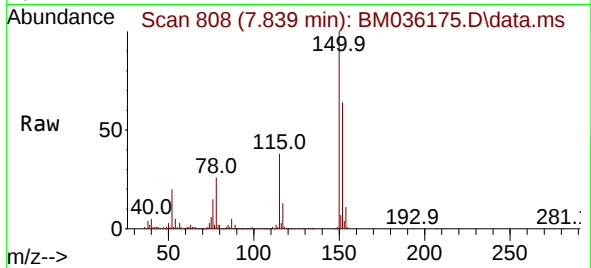
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

Instrument :
BNA_M
ClientSampleId :
RVE-209

Tgt Ion:152 Resp: 252500
Ion Ratio Lower Upper
152 100
150 155.4 124.9 187.3
115 59.5 47.9 71.9

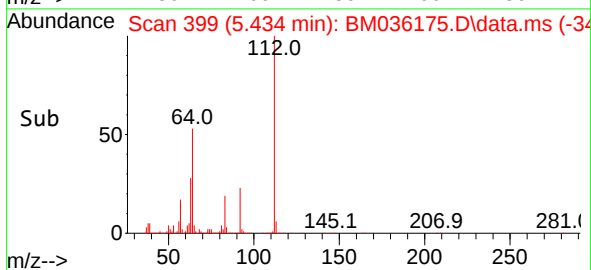
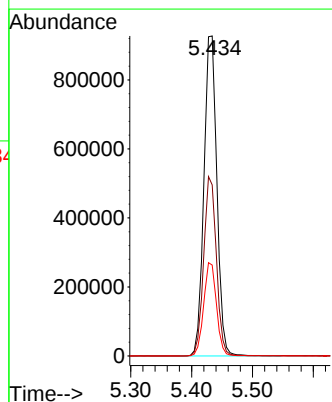
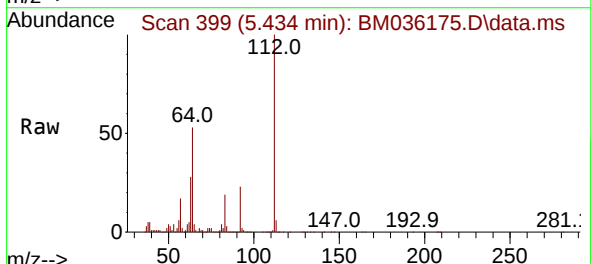
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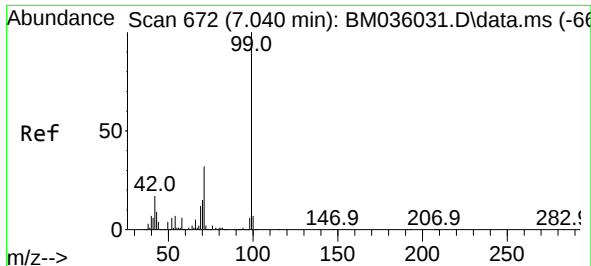
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 88.261 ng
RT: 5.434 min Scan# 399
Delta R.T. 0.000 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

Tgt Ion:112 Resp: 1374637
Ion Ratio Lower Upper
112 100
64 53.4 47.8 71.6
63 28.4 26.6 40.0





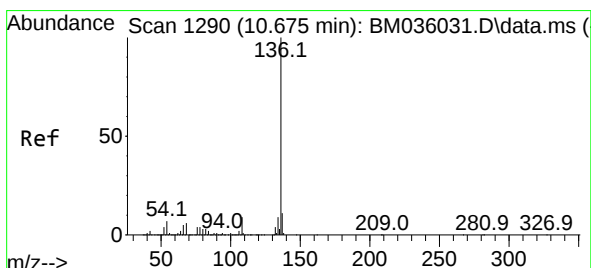
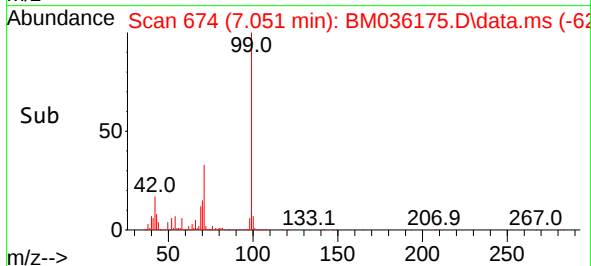
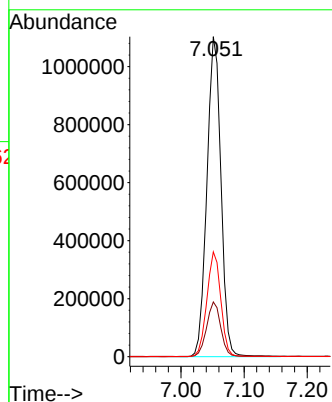
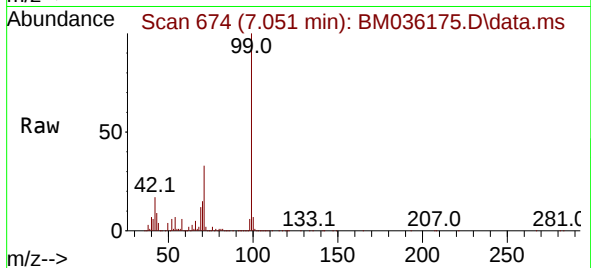
#7
Phenol-d6
Concen: 85.870 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

Instrument :
BNA_M
ClientSampleId :
RVE-209

Tgt Ion: 99 Resp: 1701738
Ion Ratio Lower Upper
99 100
42 17.1 18.8 28.2
71 32.8 30.2 45.2

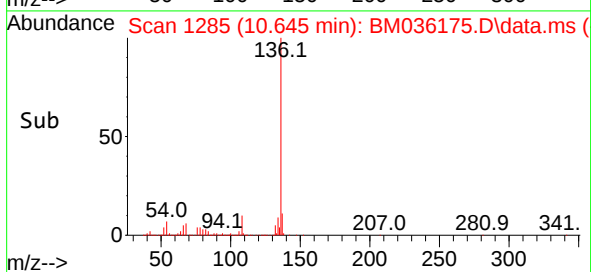
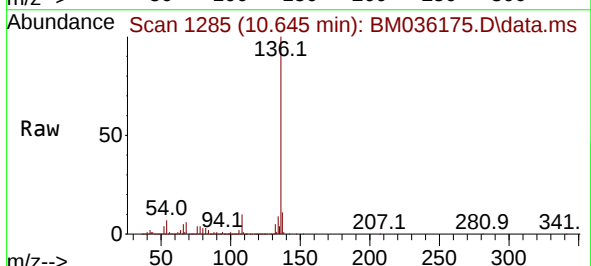
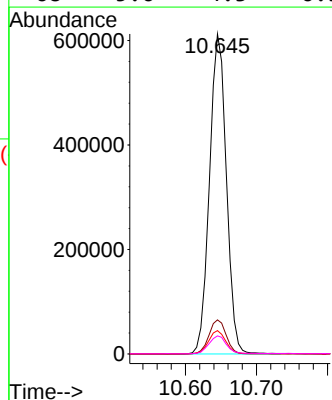
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

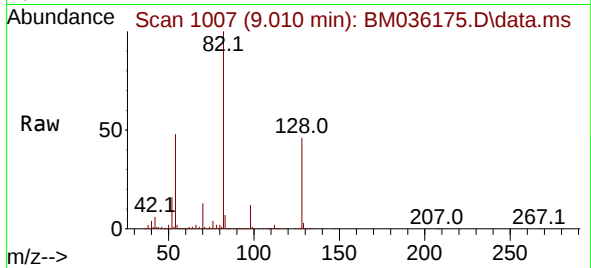
Tgt Ion:136 Resp: 1013357
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.3 7.0 10.4
68 5.6 4.3 6.5





#23
Nitrobenzene-d5
Concen: 58.165 ng
RT: 9.010 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

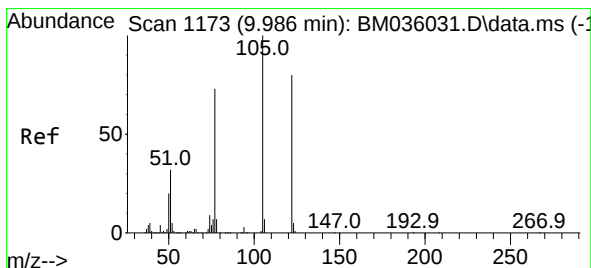
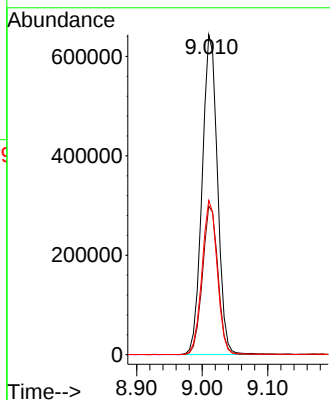
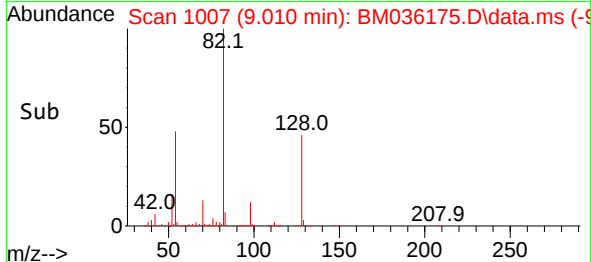
Instrument :
BNA_M
ClientSampleId :
RVE-209



Tgt Ion: 82 Resp: 1052964
Ion Ratio Lower Upper
82 100
128 46.5 33.7 50.5
54 48.2 43.2 64.8

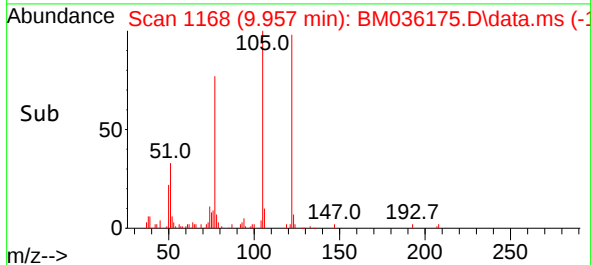
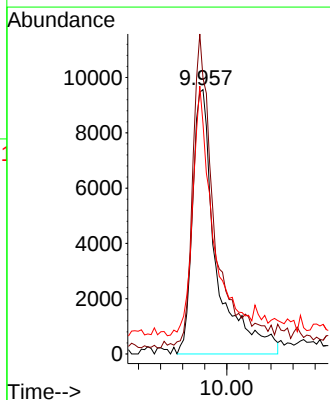
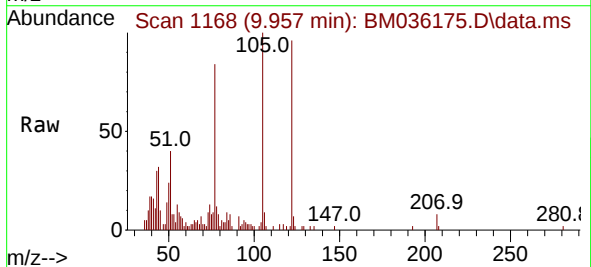
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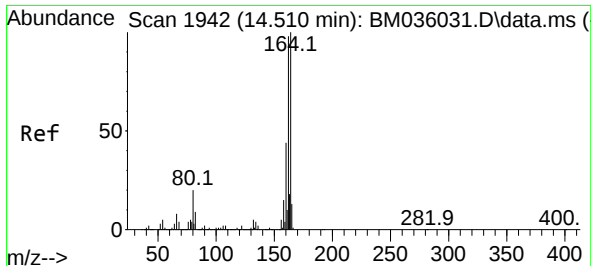
Reviewed By :Christian Giraldo 08/10/2022
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#32
Benzoic acid
Concen: 2.882 ng m
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

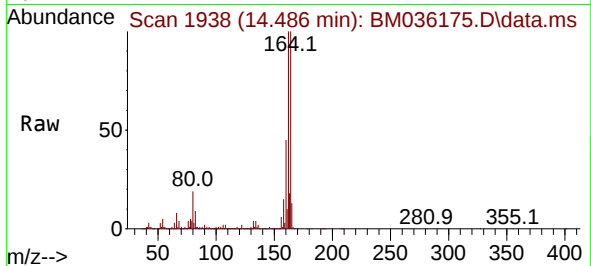
Tgt Ion:122 Resp: 28408
Ion Ratio Lower Upper
122 100
105 104.3 105.7 145.7#
77 87.2 80.0 120.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

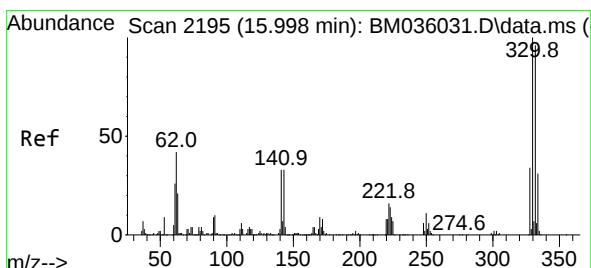
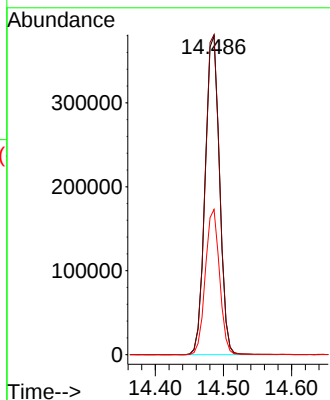
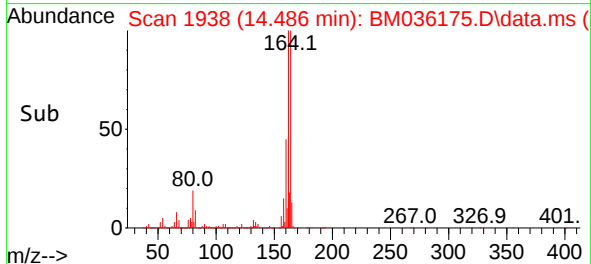
Instrument :
BNA_M
ClientSampleId :
RVE-209



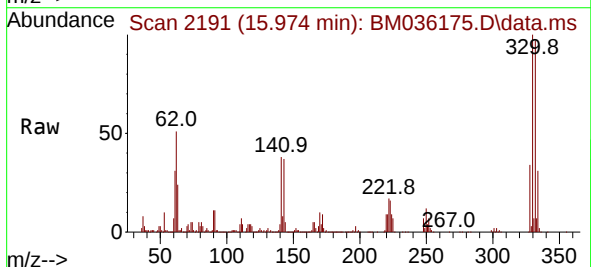
Tgt Ion:164 Resp: 558724
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 45.6 37.0 55.4

Manual Integrations
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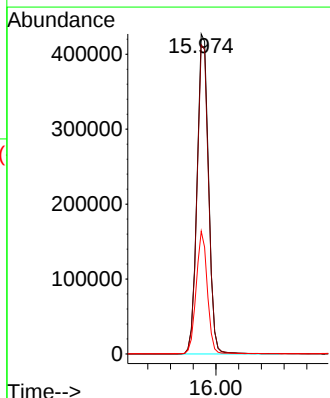
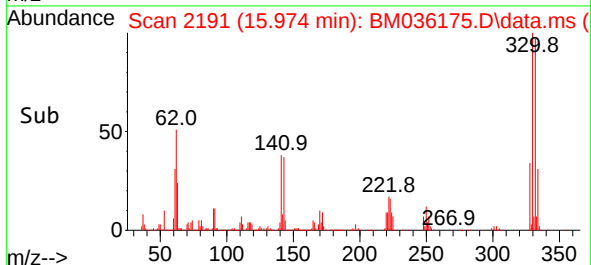
Reviewed By :Christian Giraldo 08/10/2022
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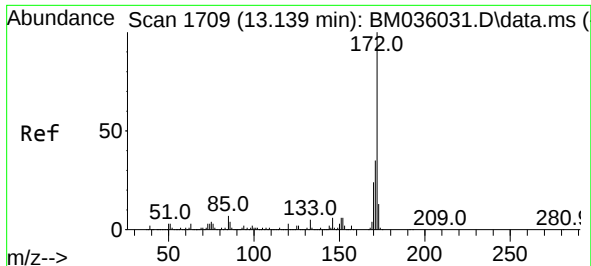


#42
2,4,6-Tribromophenol
Concen: 91.963 ng
RT: 15.974 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00



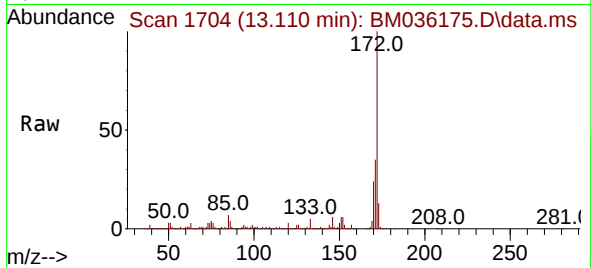
Tgt Ion:330 Resp: 602777
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.4
141 36.9 35.3 52.9





#45
2-Fluorobiphenyl
Concen: 59.795 ng
RT: 13.110 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

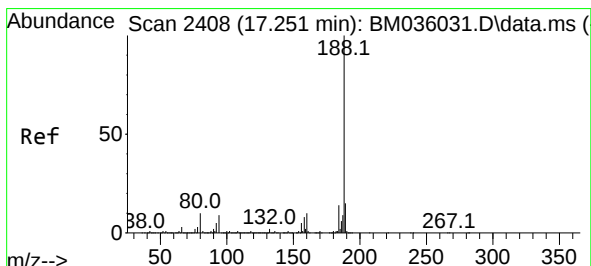
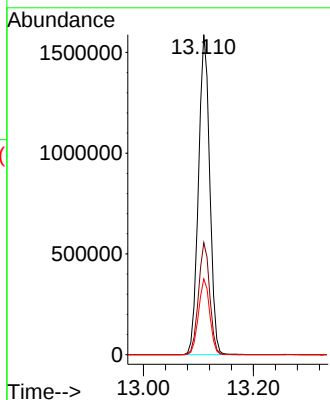
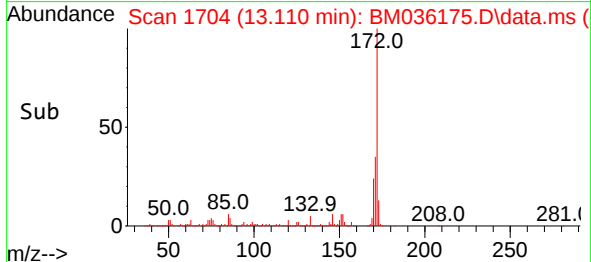
Instrument :
BNA_M
ClientSampleId :
RVE-209



Tgt Ion:172 Resp: 226274
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.7 18.7 28.1

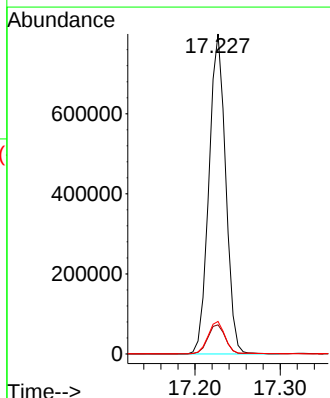
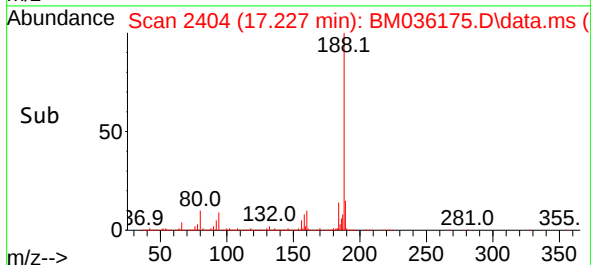
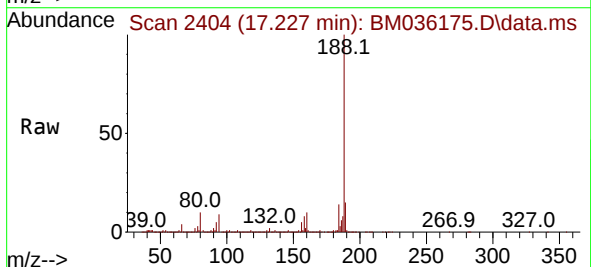
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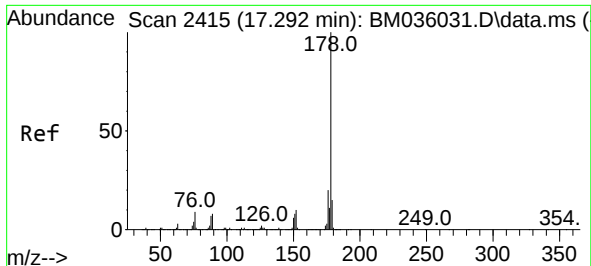
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

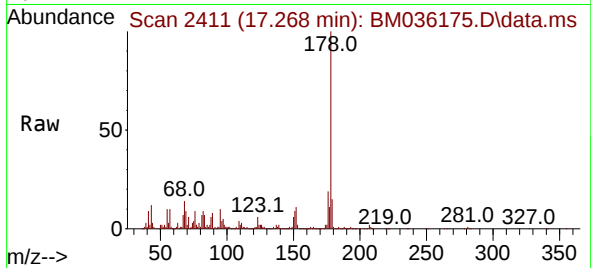
Tgt Ion:188 Resp: 1089791
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.2 7.6 11.4





#71
Phenanthrene
Concen: 4.656 ng
RT: 17.268 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

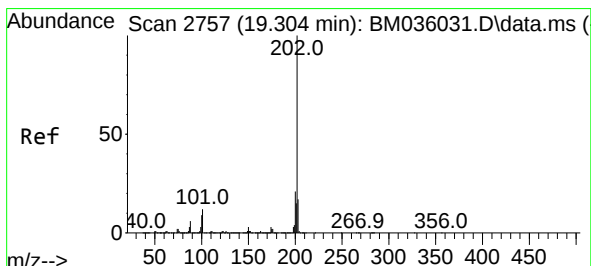
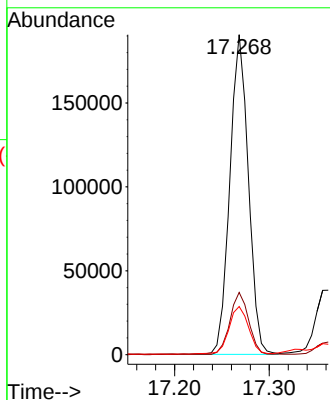
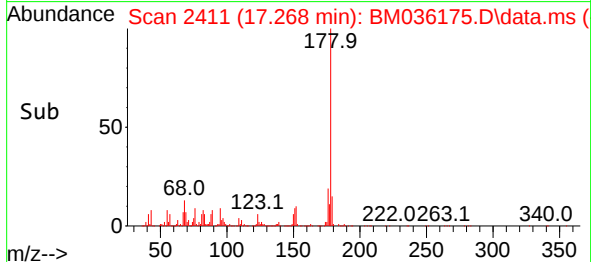
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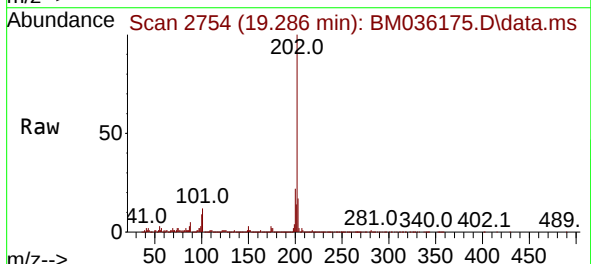
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Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.1 12.4 18.6

Manual Integrations
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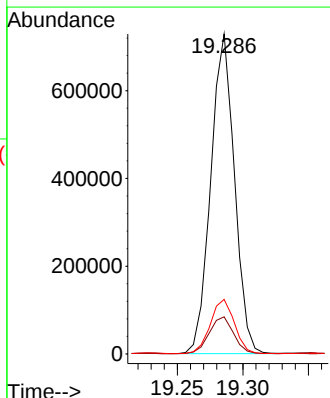
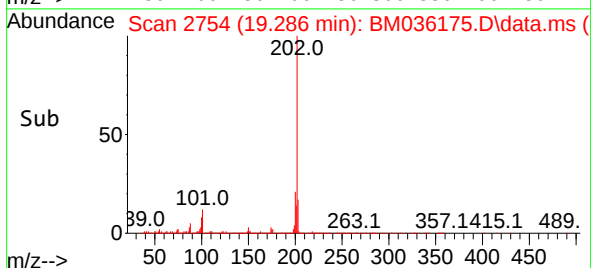
Reviewed By :Christian Giraldo 08/10/2022
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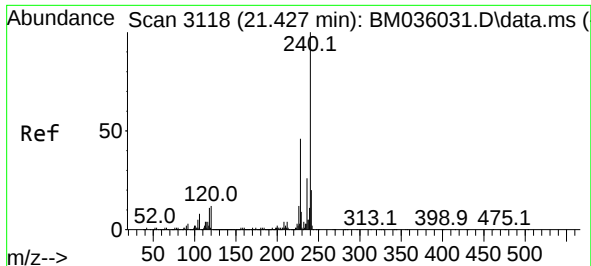


#75
Fluoranthene
Concen: 14.733 ng
RT: 19.286 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00



Tgt Ion:202 Resp: 915626
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.6
203 17.1 0.0 37.4





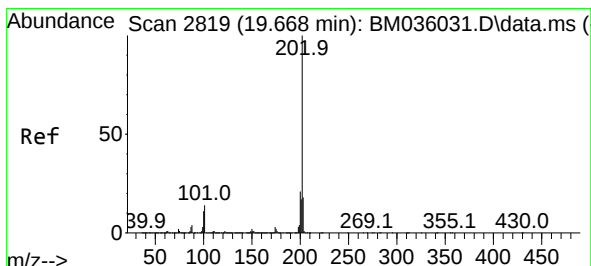
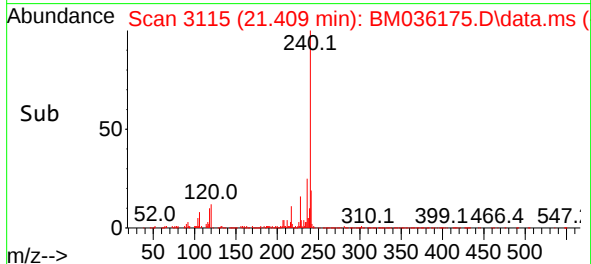
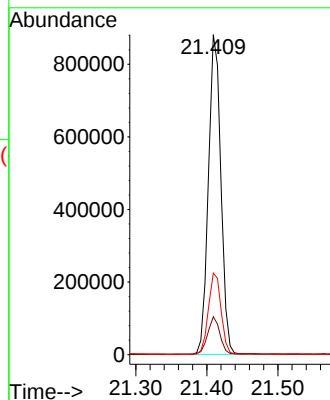
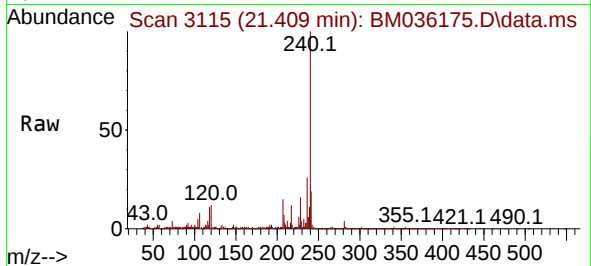
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

Instrument :
BNA_M
ClientSampleId :
RVE-209

Tgt Ion:240 Resp: 107806
Ion Ratio Lower Upper
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120 11.8 9.4 14.0
236 25.5 20.6 30.8

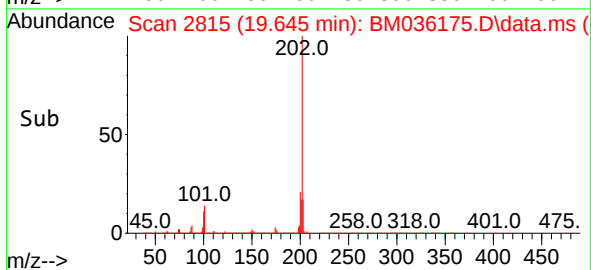
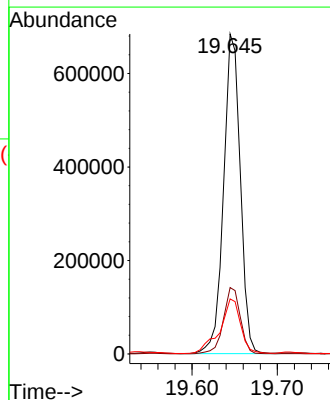
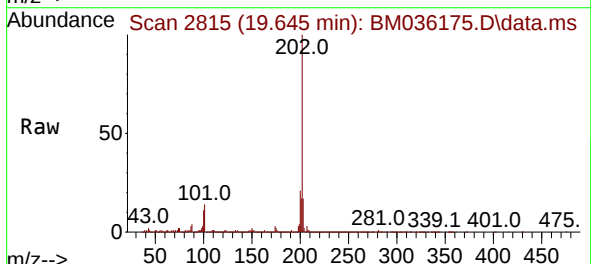
Manual Integrations
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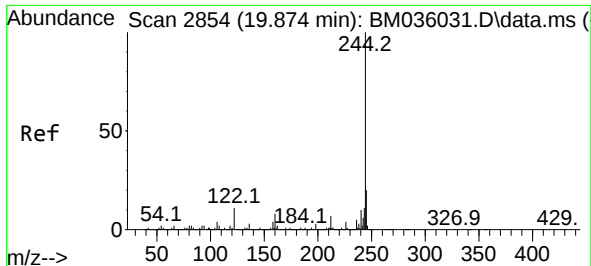
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#78
Pyrene
Concen: 13.941 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

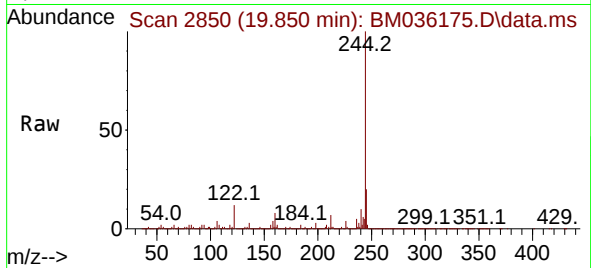
Tgt Ion:202 Resp: 931946
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.2 13.9 20.9





#79
 Terphenyl-d14
 Concen: 59.025 ng
 RT: 19.850 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM036175.D
 Acq: 09 Aug 2022 15:00

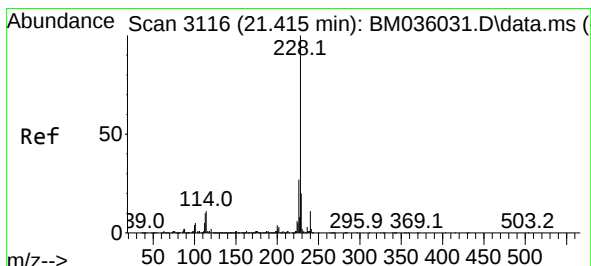
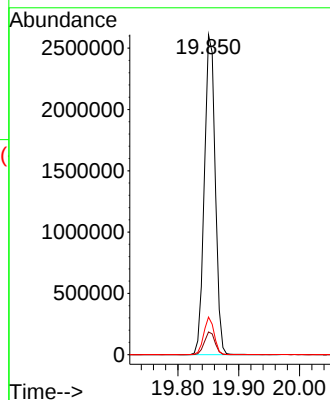
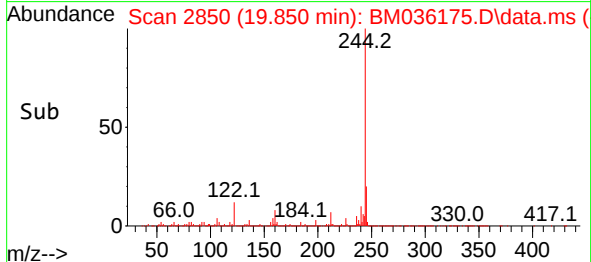
Instrument :
 BNA_M
 ClientSampleId :
 RVE-209



Tgt Ion:244 Resp: 322609
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 11.7 8.3 12.5

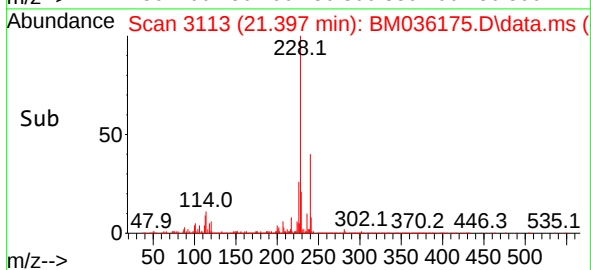
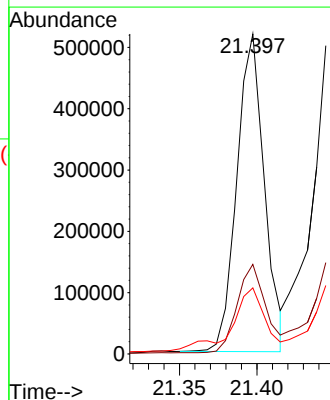
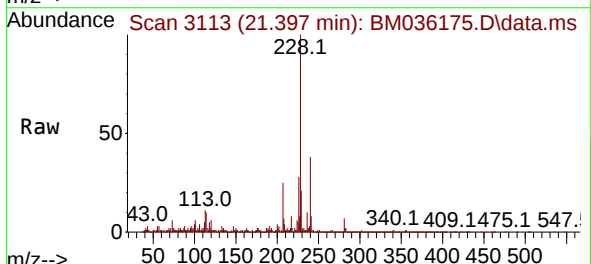
Manual Integrations
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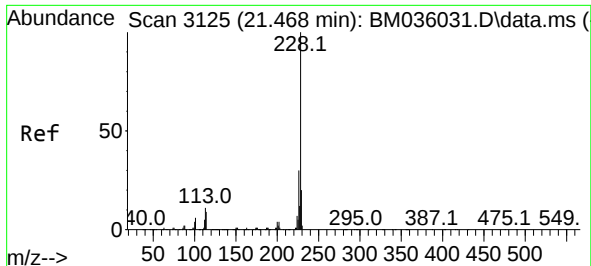
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#81
 Benzo(a)anthracene
 Concen: 9.612 ng
 RT: 21.397 min Scan# 3113
 Delta R.T. -0.006 min
 Lab File: BM036175.D
 Acq: 09 Aug 2022 15:00

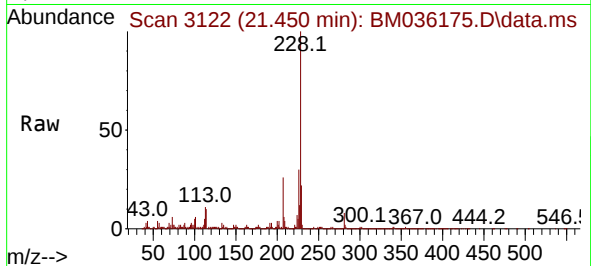
Tgt Ion:228 Resp: 638237
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.3 33.5
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 12.185 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

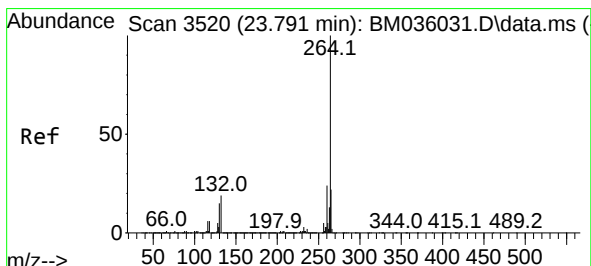
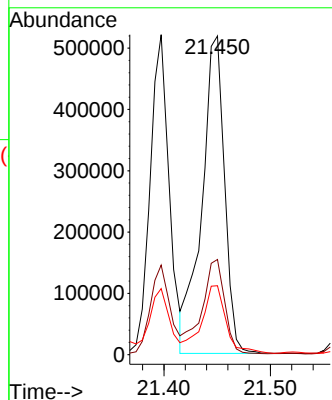
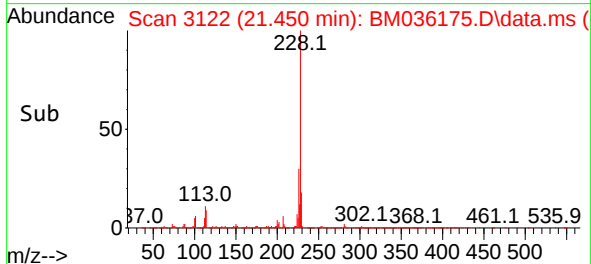
Instrument :
BNA_M
ClientSampleId :
RVE-209



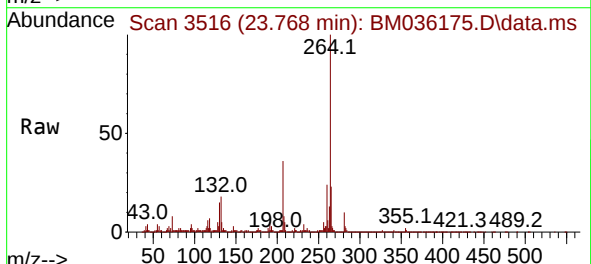
Tgt Ion:228 Resp: 76910
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.7 15.8 23.8

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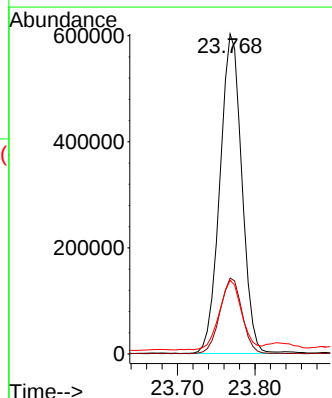
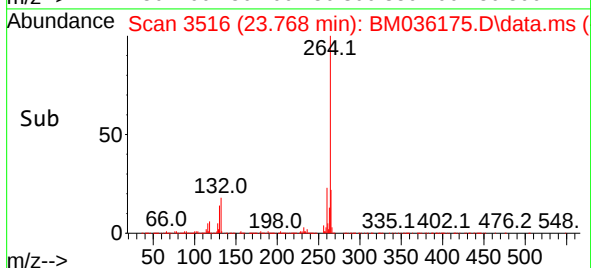
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

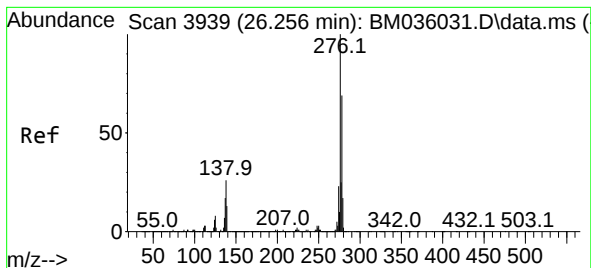


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00



Tgt Ion:264 Resp: 1185527
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 23.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.665 ng

RT: 26.215 min Scan# 3932

Delta R.T. -0.018 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

Instrument :

BNA_M

ClientSampleId :

RVE-209

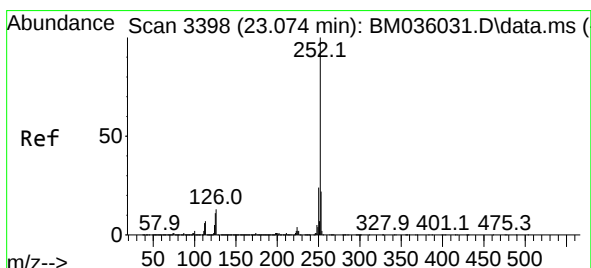
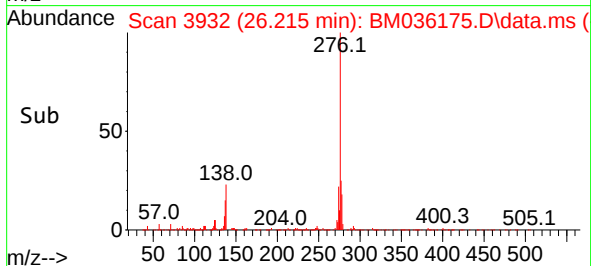
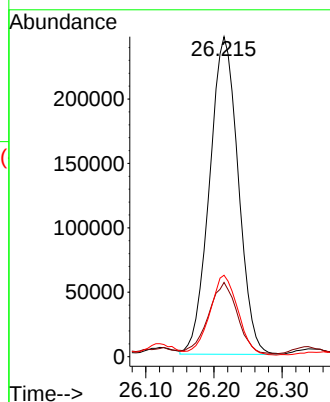
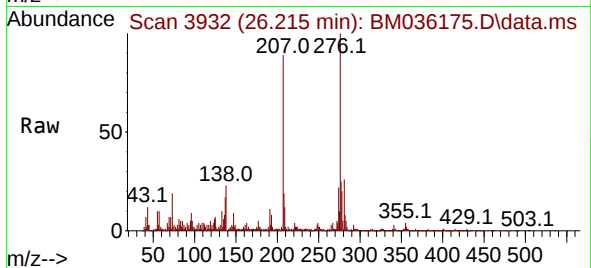
Tgt Ion:	276	Resp:	72192
Ion Ratio	Lower	Upper	
276	100		
138	22.5	20.2	30.4
277	24.8	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022



#88

Benzo(b)fluoranthene

Concen: 18.241 ng

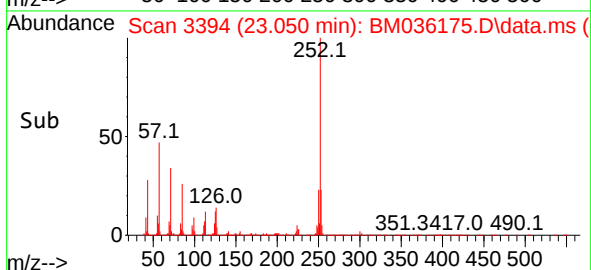
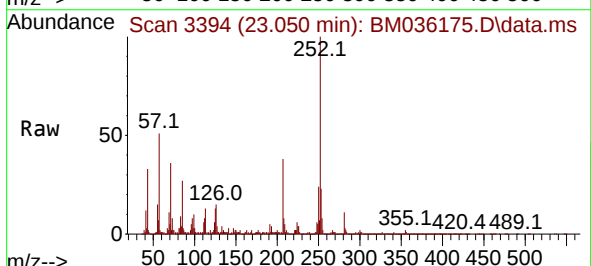
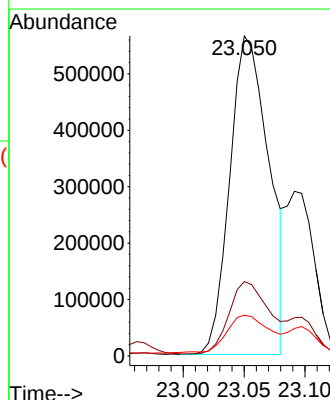
RT: 23.050 min Scan# 3394

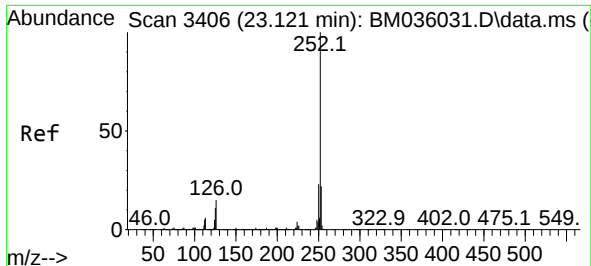
Delta R.T. -0.012 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

Tgt Ion:	252	Resp:	1267007
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	12.8	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 6.713 ng m

RT: 23.091 min Scan# 3406

Delta R.T. -0.018 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

Instrument :

BNA_M

ClientSampleId :

RVE-209

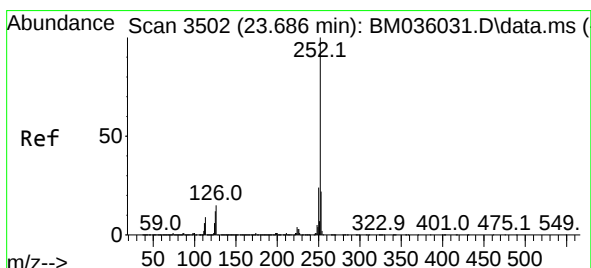
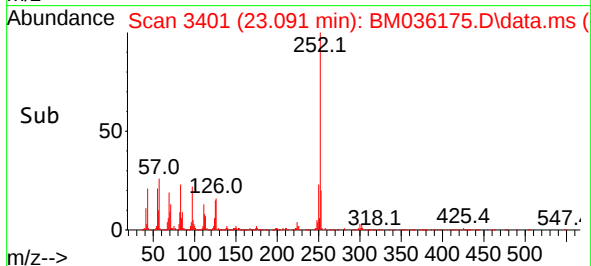
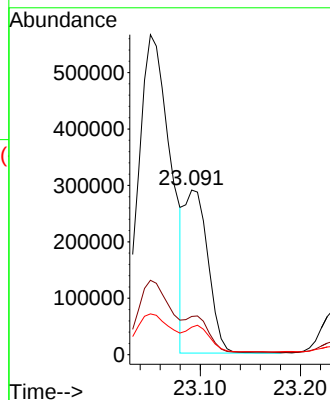
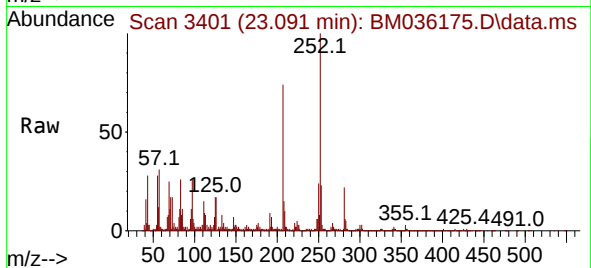
Tgt Ion:	252	Resp:	47094
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	16.8	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022



#90

Benzo(a)pyrene

Concen: 15.569 ng

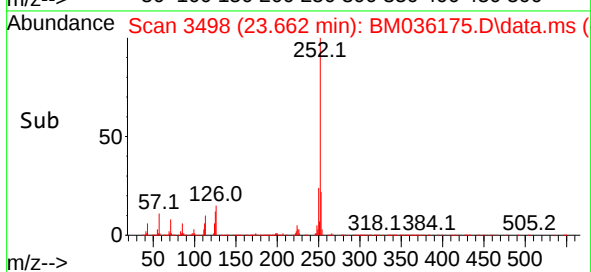
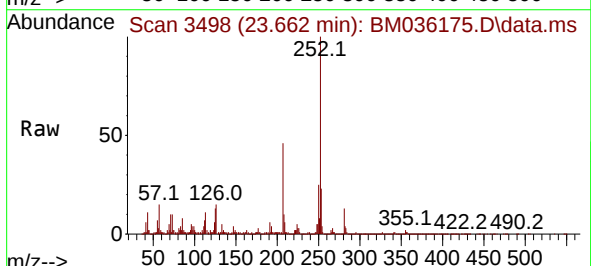
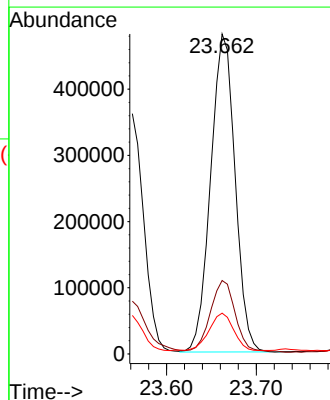
RT: 23.662 min Scan# 3498

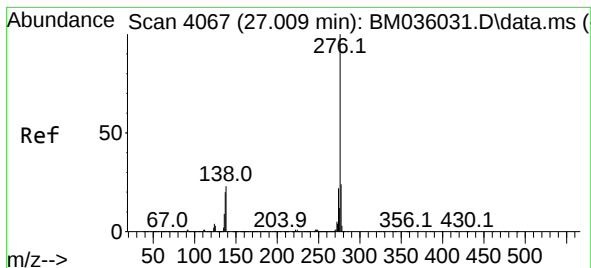
Delta R.T. -0.012 min

Lab File: BM036175.D

Acq: 09 Aug 2022 15:00

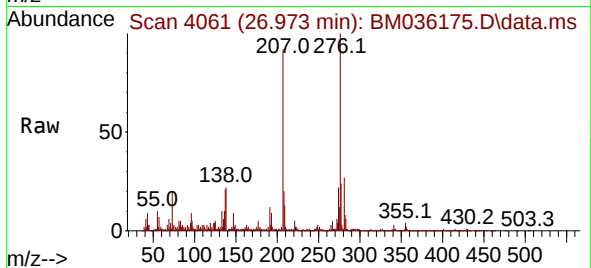
Tgt Ion:	252	Resp:	907322
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	12.7	8.7	13.1





#92
Benzo(g,h,i)perylene
Concen: 11.240 ng
RT: 26.973 min Scan# 4061
Delta R.T. -0.018 min
Lab File: BM036175.D
Acq: 09 Aug 2022 15:00

Instrument :
BNA_M
ClientSampleId :
RVE-209



Tgt Ion: 276 Resp: 758838
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 22.1 17.6 26.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022

