

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
 Data File : BP009357.D
 Acq On : 10 Mar 2022 22:19
 Operator : CG/JU
 Sample : N1847-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CG-B3-030722-0-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 05:04:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	592750	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	2479350	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1563516	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	2982927	20.000	ng	0.00
76) Chrysene-d12	21.327	240	2155571	20.000	ng	0.00
86) Perylene-d12	23.739	264	2311438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1289768	31.761	ng	0.00
7) Phenol-d6	6.993	99	1672877	32.417	ng	0.00
23) Nitrobenzene-d5	8.969	82	1044540	23.204	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	750872	39.772	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	2556304	22.484	ng	0.00
79) Terphenyl-d14	19.792	244	3126383	27.370	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.263	178	2346058	13.685	ng	99
72) Anthracene	17.351	178	665763	3.902	ng	99
75) Fluoranthene	19.239	202	5035398	25.448	ng	99
78) Pyrene	19.592	202	4499718	30.918	ng	100
81) Benzo(a)anthracene	21.310	228	2346210	16.059	ng	98
83) Chrysene	21.363	228	2052693	14.471	ng	97
84) Bis(2-ethylhexyl)phtha...	21.251	149	384081	4.572	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.245	276	1539971	8.575	ng	# 93
88) Benzo(b)fluoranthene	23.010	252	3013195m	19.307	ng	
89) Benzo(k)fluoranthene	23.045	252	927997m	6.224	ng	
90) Benzo(a)pyrene	23.633	252	2215933	14.971	ng	98
91) Dibenzo(a,h)anthracene	26.251	278	408961	2.686	ng	# 87
92) Benzo(g,h,i)perylene	27.015	276	1554590	10.334	ng	96

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

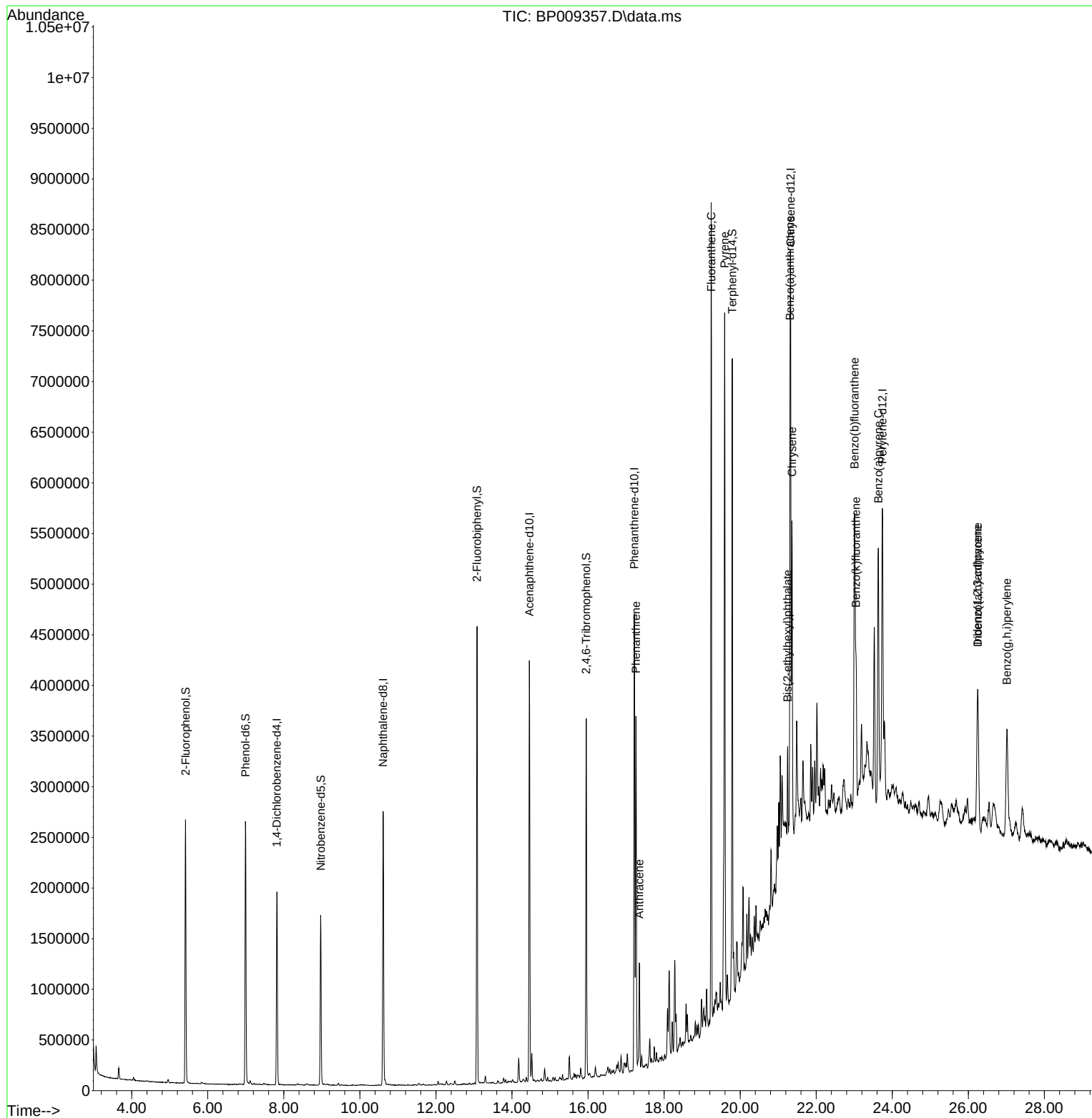
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Data File : BP009357.D
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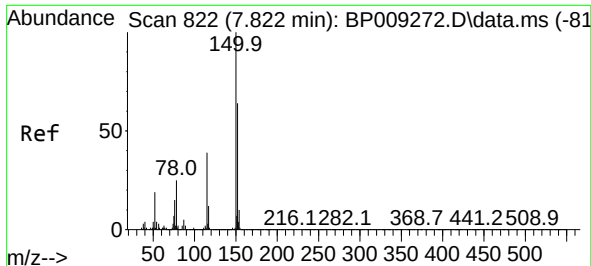
Instrument :
BNA_P
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CG-B3-030722-0-2

Quant Time: Mar 11 05:04:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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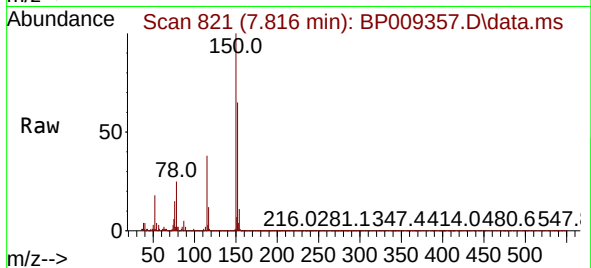
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

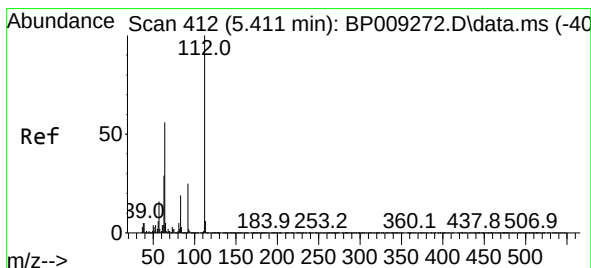
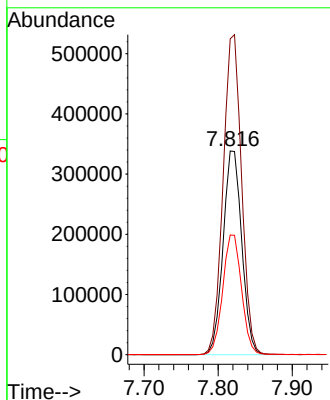
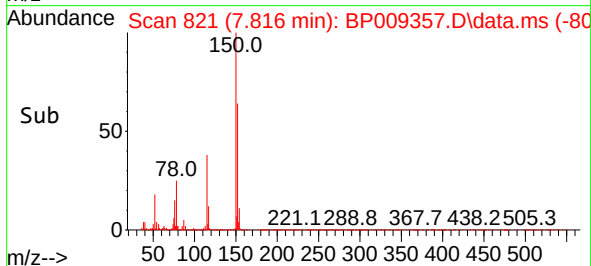
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion:152 Resp: 592750
Ion Ratio Lower Upper
152 100
150 155.0 124.5 186.7
115 58.8 48.2 72.4

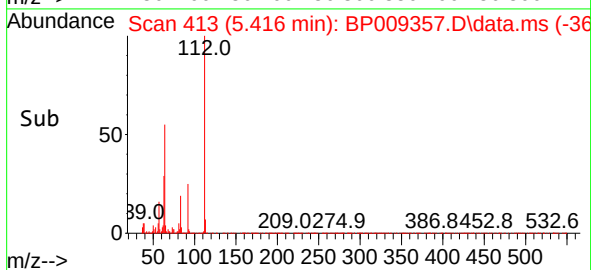
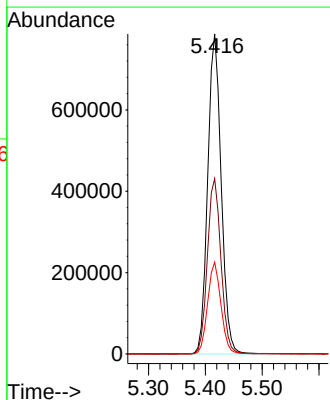
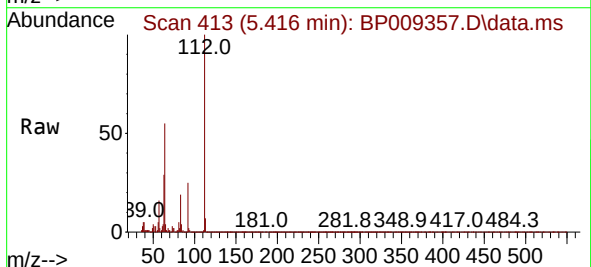
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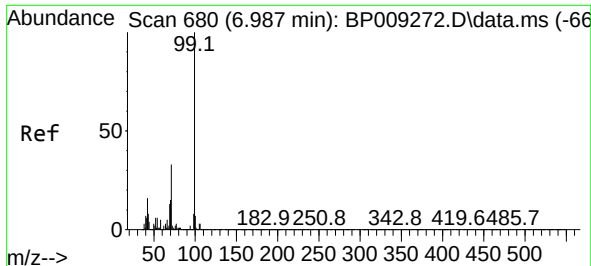
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#5
2-Fluorophenol
Concen: 31.761 ng
RT: 5.416 min Scan# 413
Delta R.T. 0.005 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

Tgt Ion:112 Resp: 1289768
Ion Ratio Lower Upper
112 100
64 54.8 45.0 67.4
63 28.7 23.0 34.6





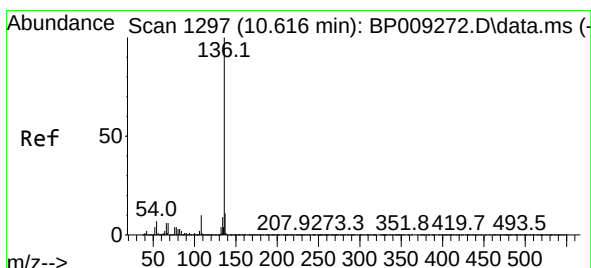
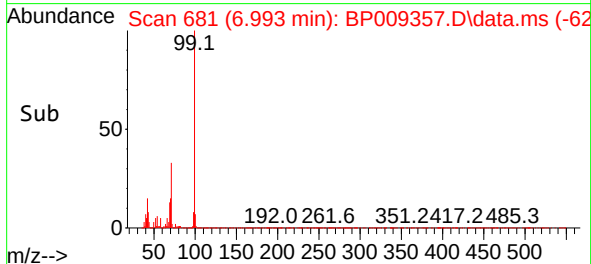
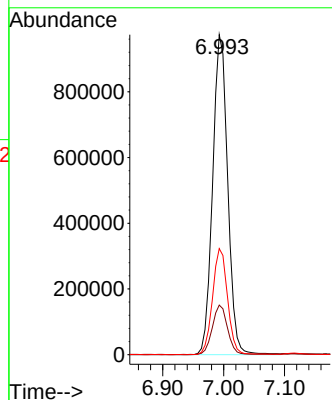
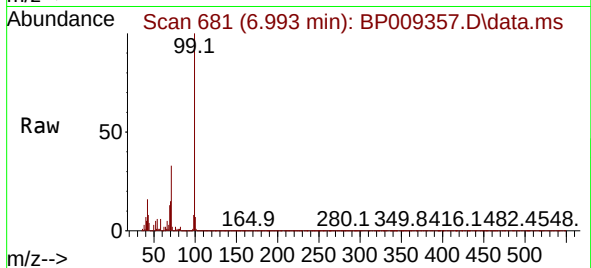
#7
Phenol-d6
Concen: 32.417 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2

Tgt Ion: 99 Resp: 167287
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.2 26.3 39.5

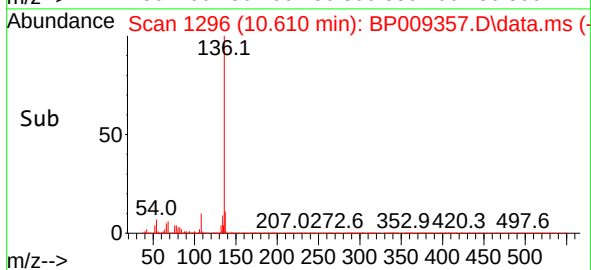
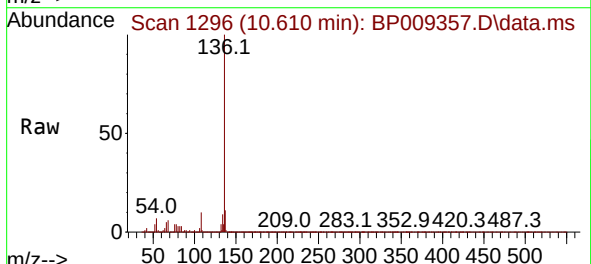
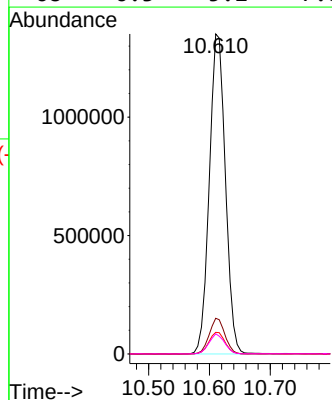
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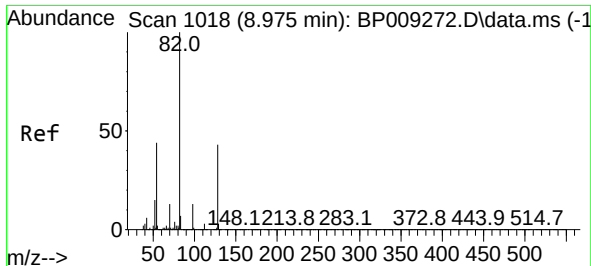
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

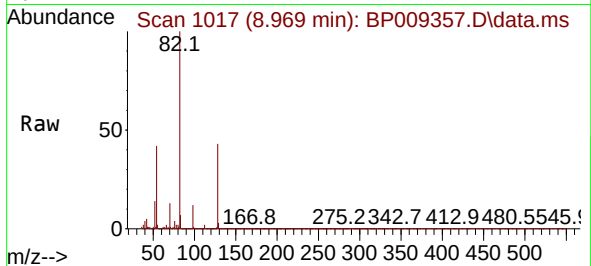
Tgt Ion:136 Resp: 2479350
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.8 5.8 8.8
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 23.204 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

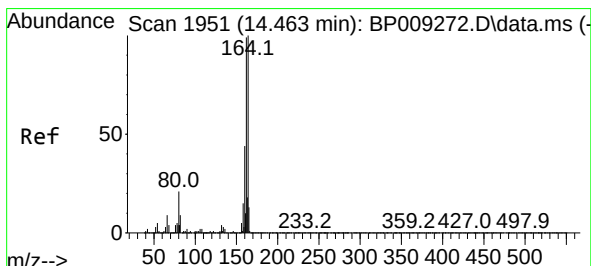
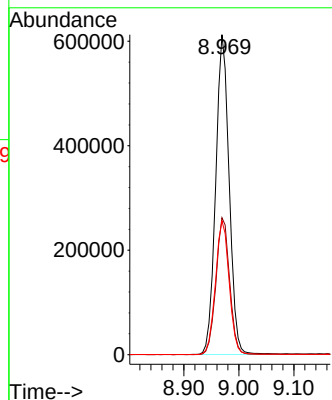
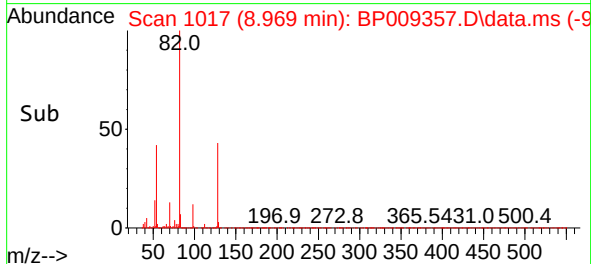
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion: 82 Resp: 1044540
Ion Ratio Lower Upper
82 100
128 42.8 34.2 51.4
54 41.8 34.7 52.1

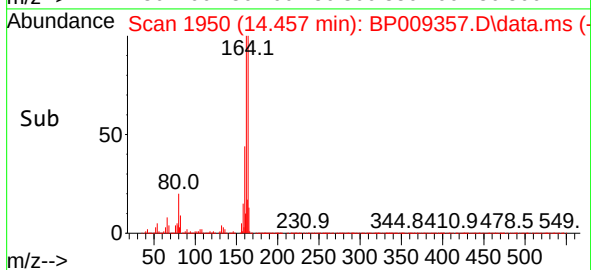
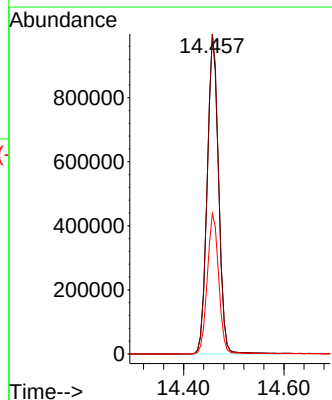
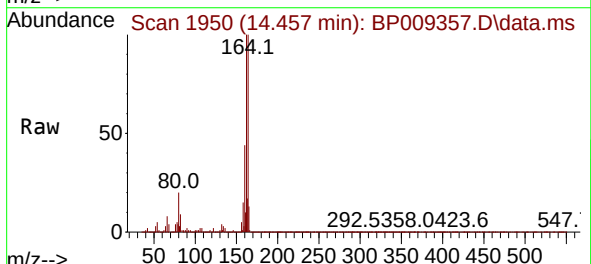
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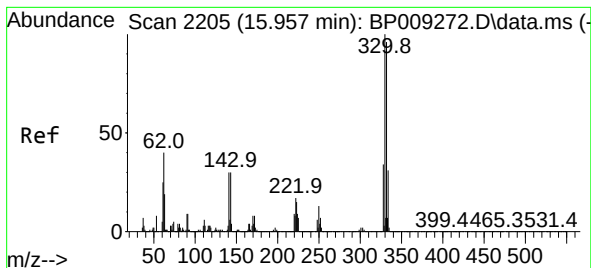
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

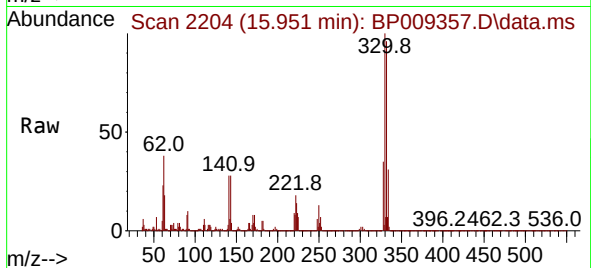
Tgt Ion:164 Resp: 1563516
Ion Ratio Lower Upper
164 100
162 100.2 79.1 118.7
160 44.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 39.772 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

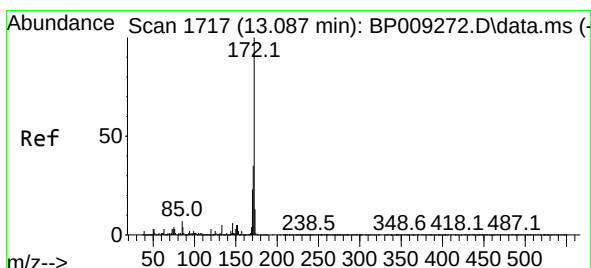
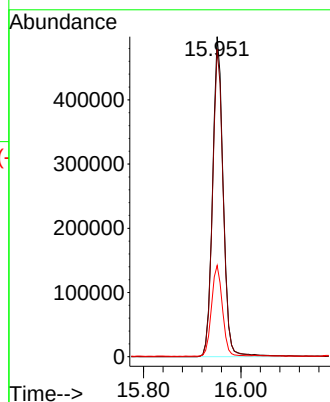
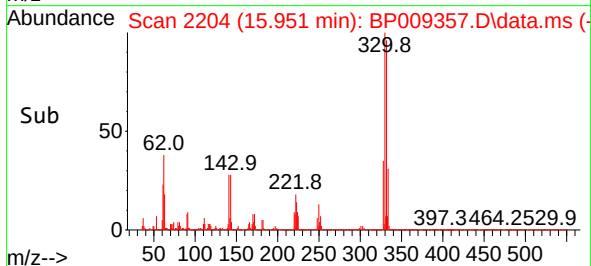
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion: 330 Resp: 750872
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 29.3 27.6 41.4

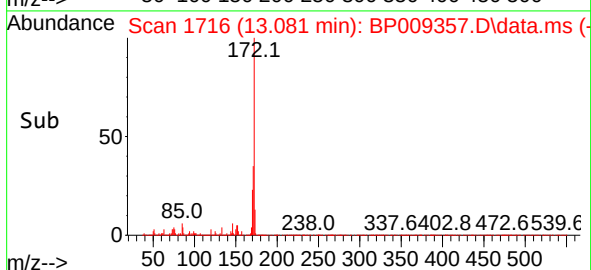
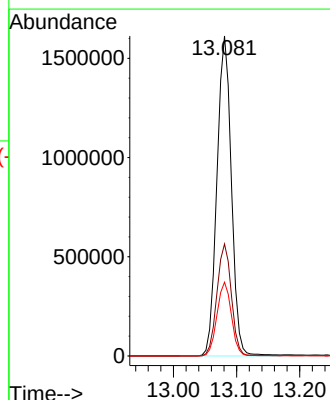
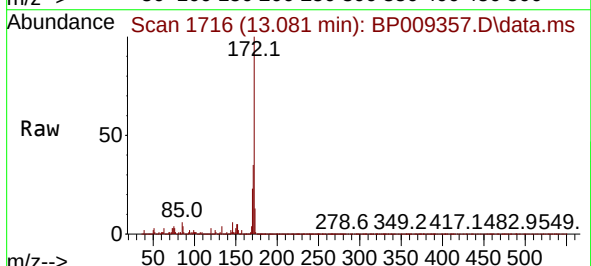
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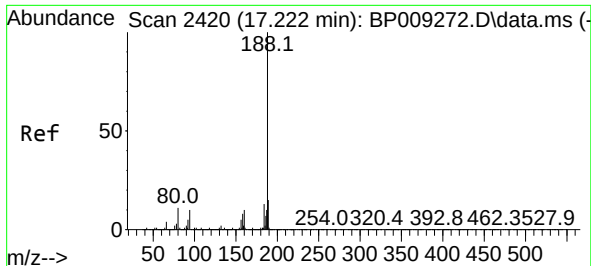
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022



#45
2-Fluorobiphenyl
Concen: 22.484 ng
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

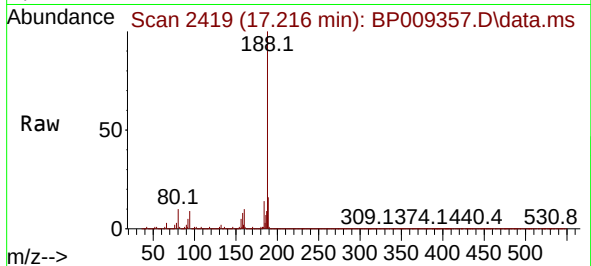
Tgt Ion: 172 Resp: 2556304
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.1 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

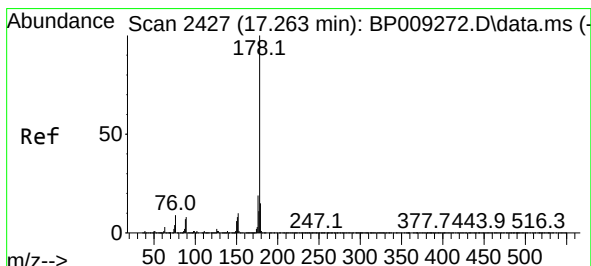
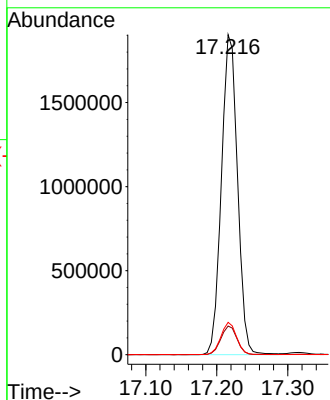
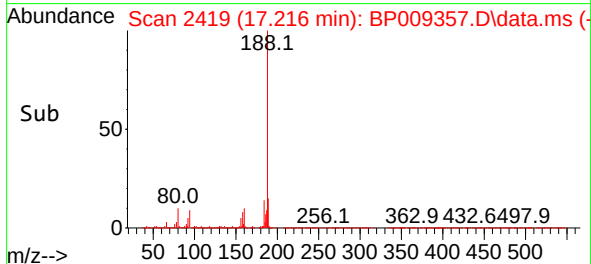
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion:188 Resp: 298292
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 10.1 8.8 13.2

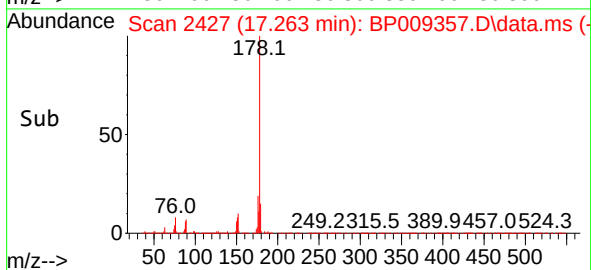
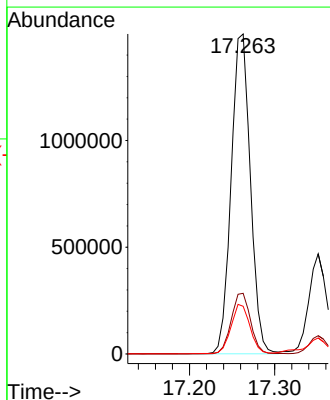
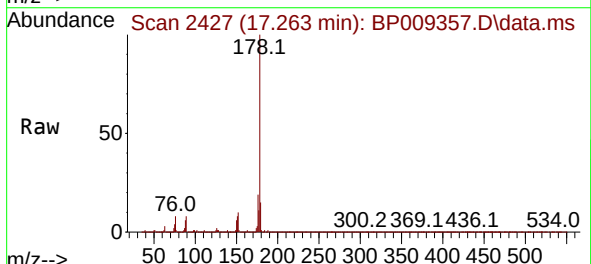
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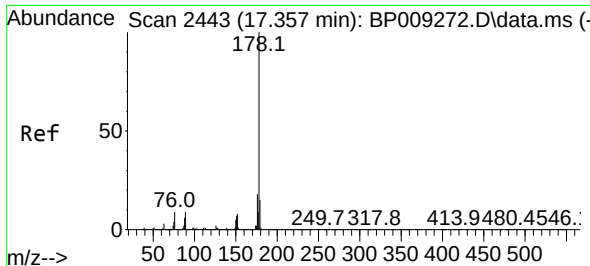
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#71
Phenanthrene
Concen: 13.685 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

Tgt Ion:178 Resp: 2346058
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 14.9 12.3 18.5





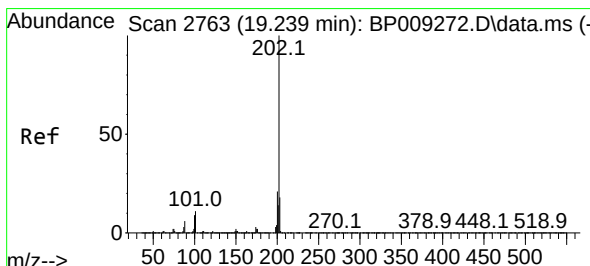
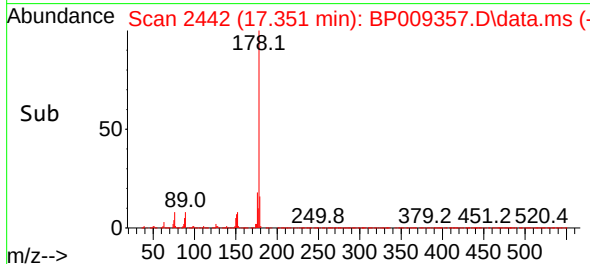
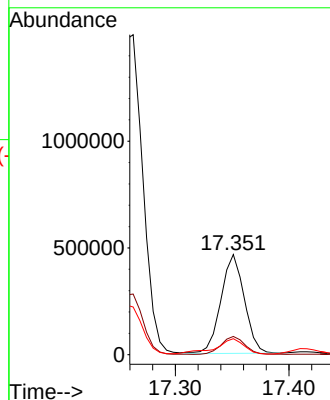
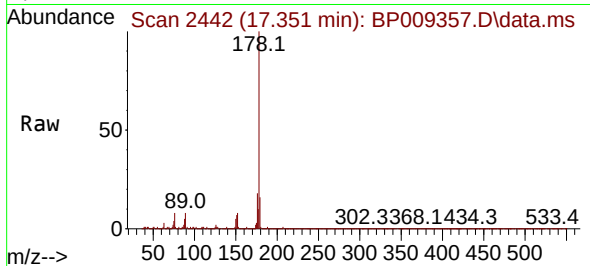
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 Anthracene
 Concen: 3.902 ng
 RT: 17.351 min Scan# 2443
 Delta R.T. -0.006 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

Instrument :
 BNA_P
 ClientSampleId :
 CG-B3-030722-0-2

Tgt Ion:178 Resp: 66576
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.0 12.2 18.4

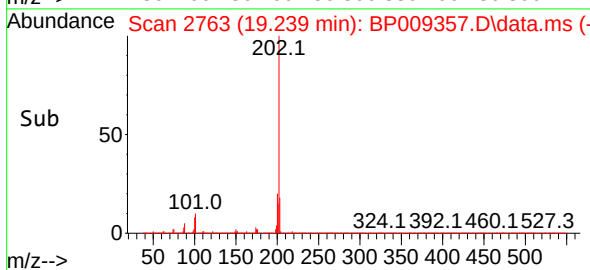
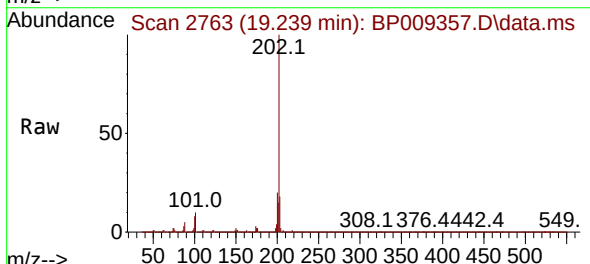
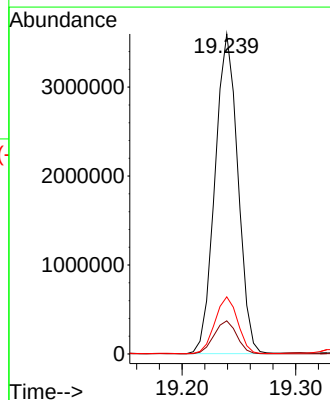
Manual Integrations
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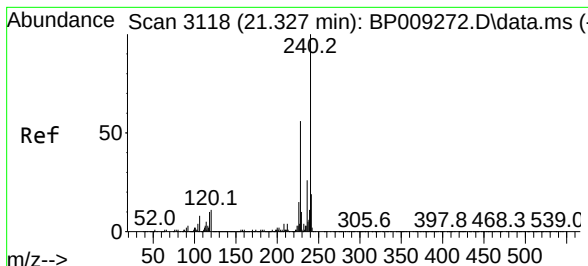
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#75
 Fluoranthene
 Concen: 25.448 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.000 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

Tgt Ion:202 Resp: 5035398
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.5
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.327 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BP009357.D

Acq: 10 Mar 2022 22:19

Instrument :

BNA_P

ClientSampleId :

CG-B3-030722-0-2

Tgt Ion:240 Resp: 215557

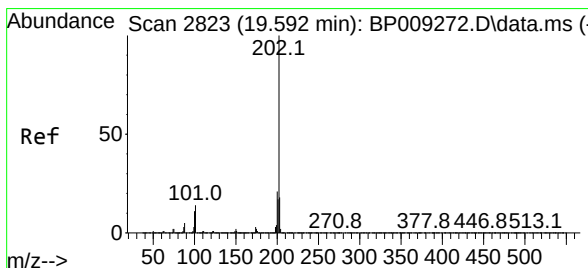
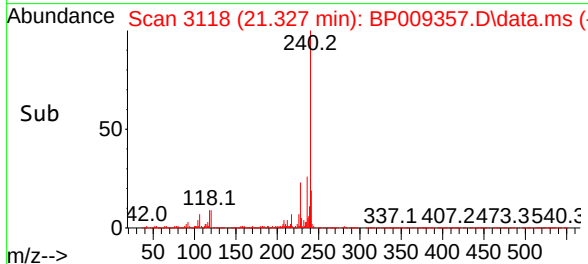
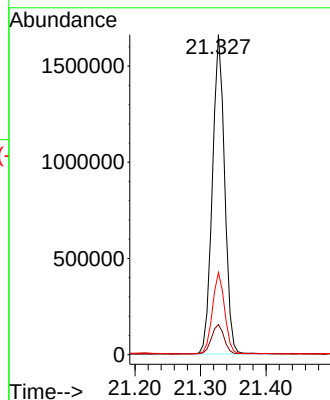
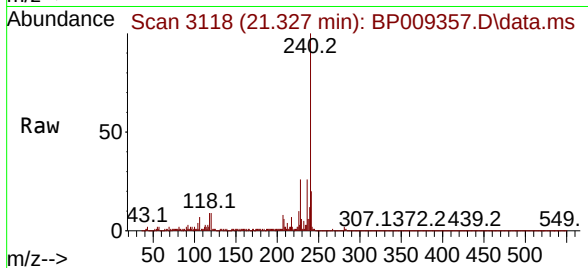
Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.0	13.4
236	25.7	20.6	30.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/11/2022



#78

Pyrene

Concen: 30.918 ng

RT: 19.592 min Scan# 2823

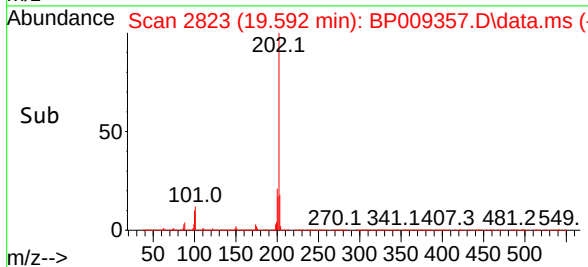
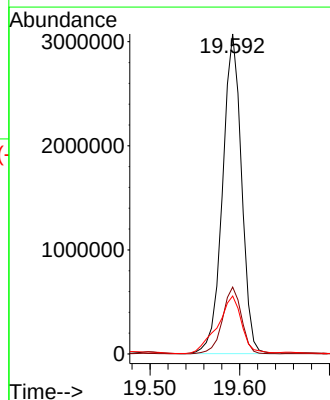
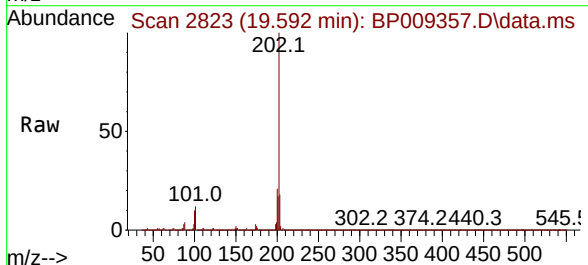
Delta R.T. -0.000 min

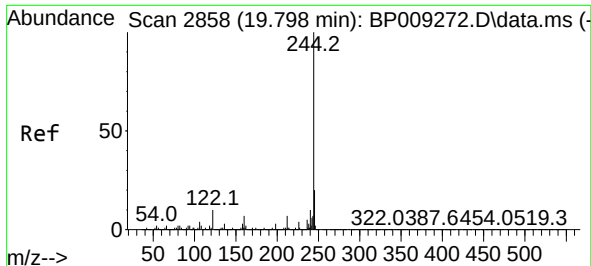
Lab File: BP009357.D

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Tgt Ion:202 Resp: 4499718

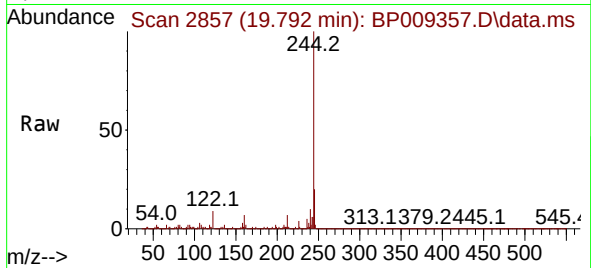
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.1	14.2	21.4





#79
 Terphenyl-d14
 Concen: 27.370 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

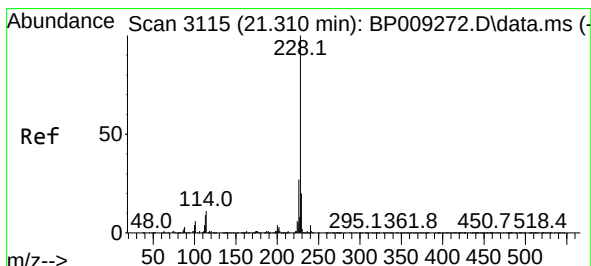
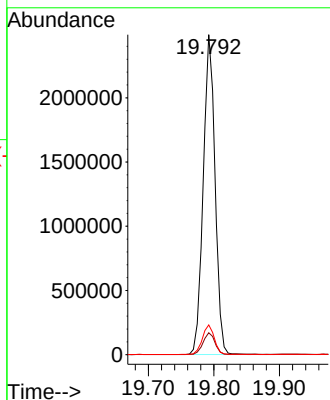
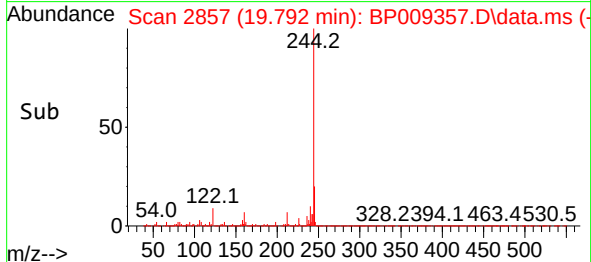
Instrument :
 BNA_P
 ClientSampleId :
 CG-B3-030722-0-2



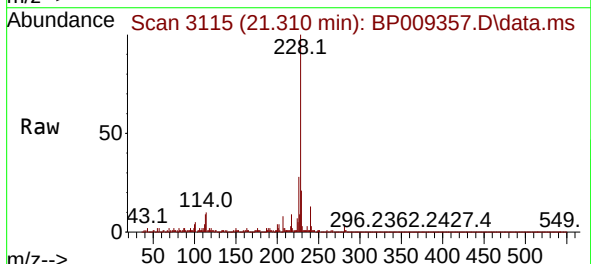
Tgt Ion:244 Resp: 312638
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.3 8.3 12.5

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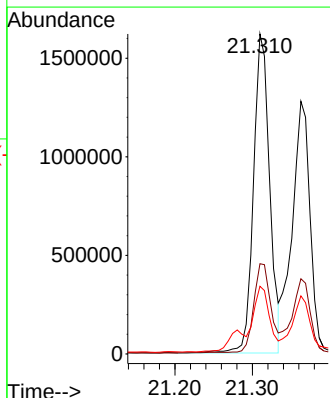
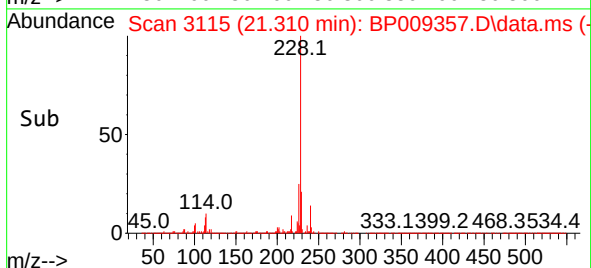
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022

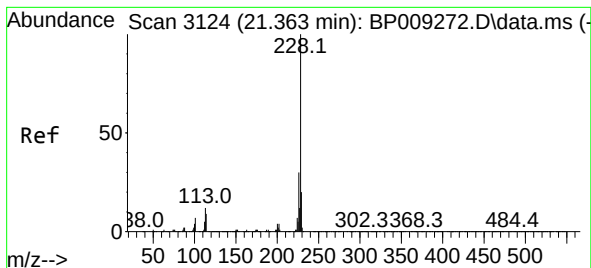


#81
 Benzo(a)anthracene
 Concen: 16.059 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. -0.000 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19



Tgt Ion:228 Resp: 2346210
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.0 33.0
 229 21.1 16.1 24.1





#83

Chrysene

Concen: 14.471 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.000 min

Lab File: BP009357.D

Acq: 10 Mar 2022 22:19

Instrument :

BNA_P

ClientSampleId :

CG-B3-030722-0-2

Tgt Ion: 228 Resp: 205269

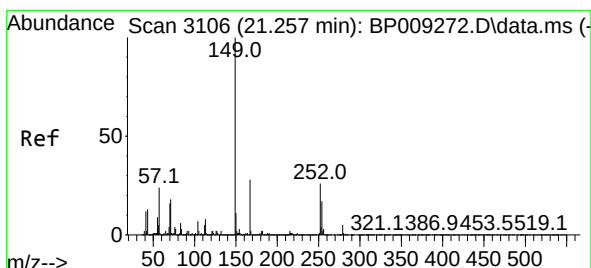
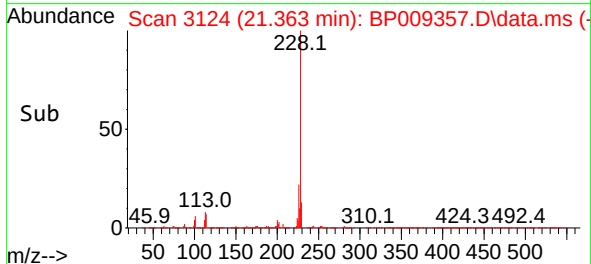
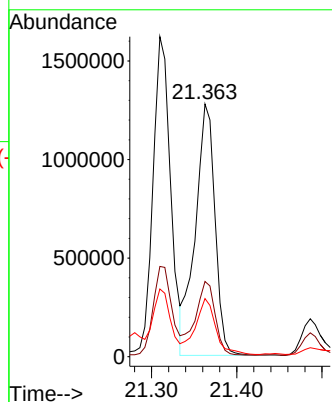
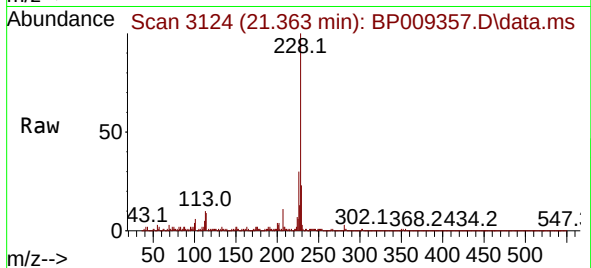
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	23.0	16.1	24.1

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Reviewed By : Christian Giraldo 03/11/2022

Supervised By : Jagrut Upadhyay 03/11/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.572 ng

RT: 21.251 min Scan# 3105

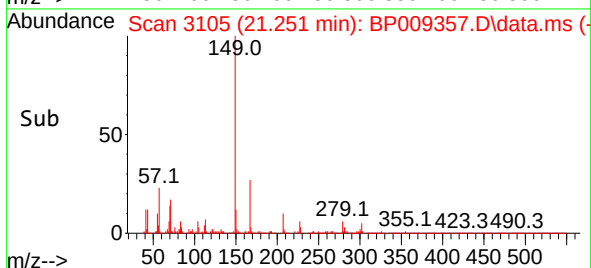
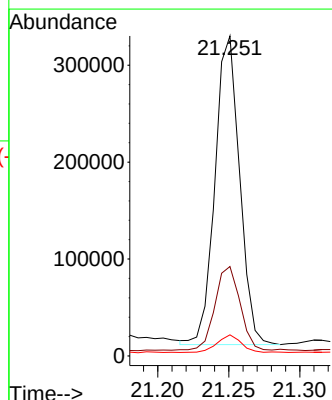
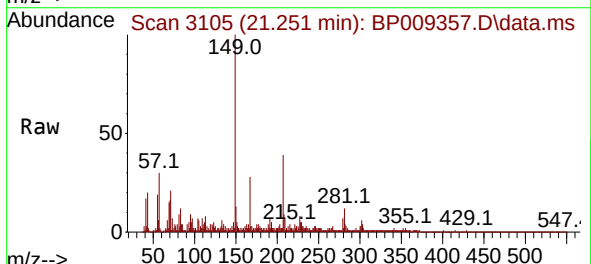
Delta R.T. -0.006 min

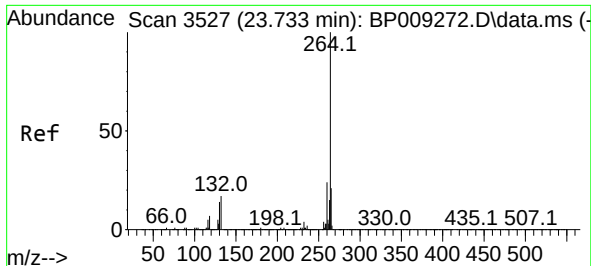
Lab File: BP009357.D

Acq: 10 Mar 2022 22:19

Tgt Ion: 149 Resp: 384081

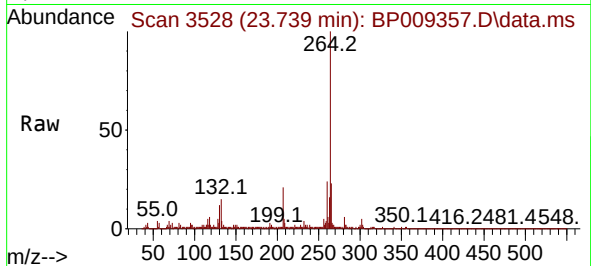
Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	6.6	3.8	5.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.739 min Scan# 3527
 Delta R.T. 0.006 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

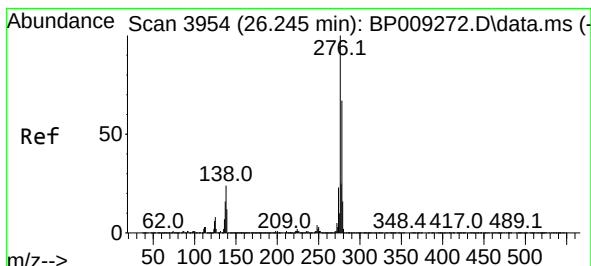
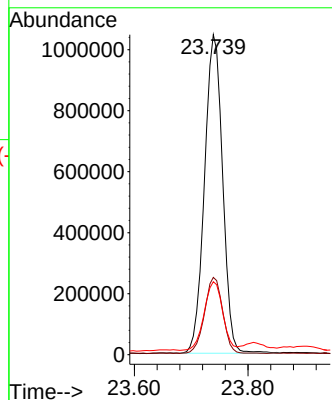
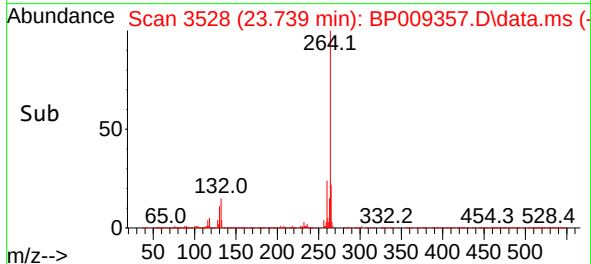
Instrument :
 BNA_P
 ClientSampleId :
 CG-B3-030722-0-2



Tgt Ion:264 Resp: 2311438
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.0
 265 22.8 17.2 25.8

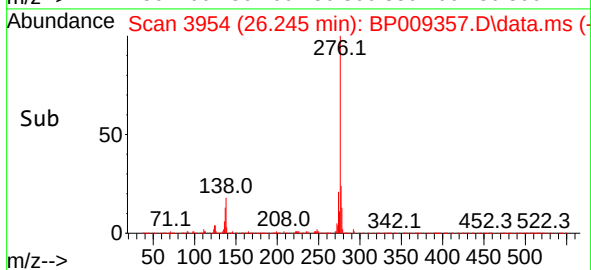
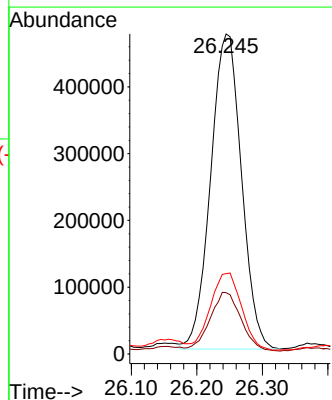
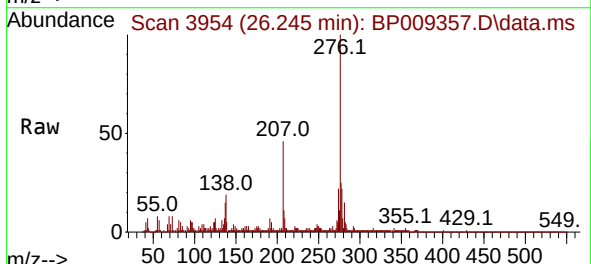
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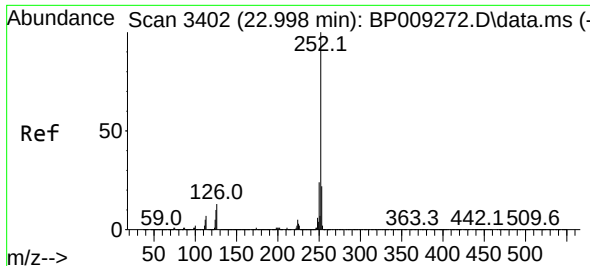
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.575 ng
 RT: 26.245 min Scan# 3954
 Delta R.T. -0.000 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

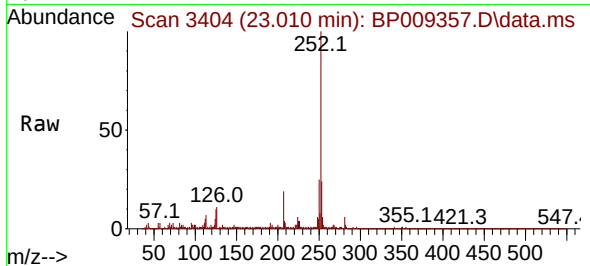
Tgt Ion:276 Resp: 1539971
 Ion Ratio Lower Upper
 276 100
 138 18.8 20.5 30.7#
 277 25.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 19.307 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

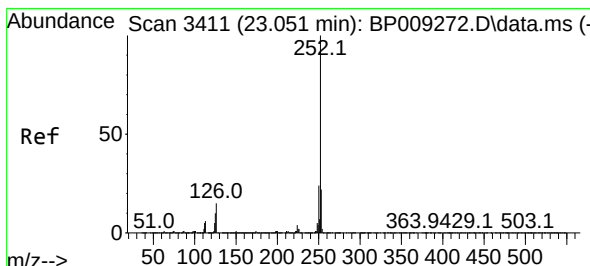
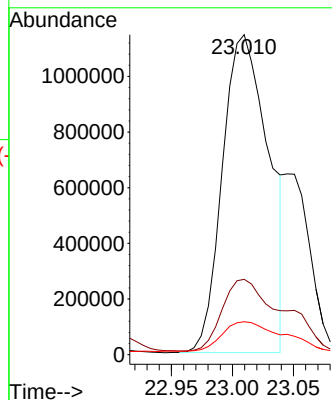
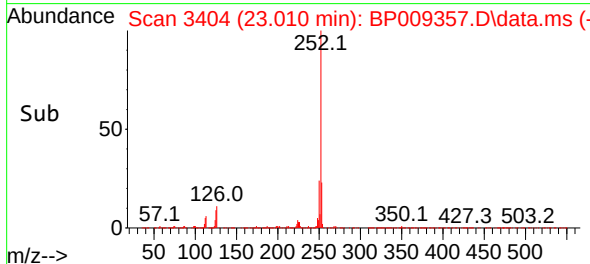
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion:252 Resp: 301319
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.3 8.1 12.1

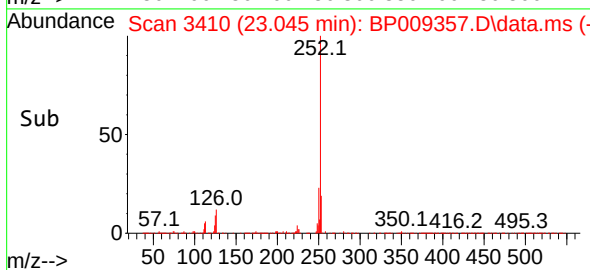
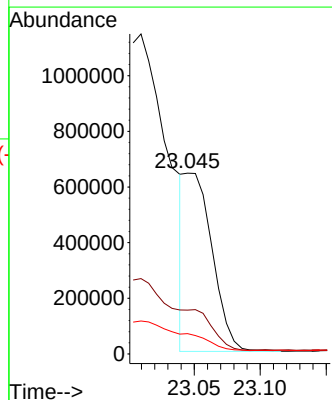
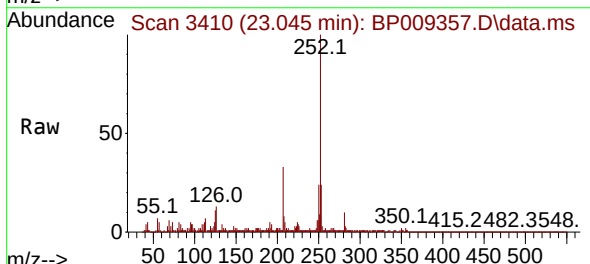
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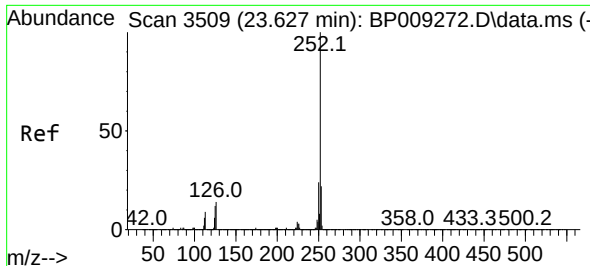
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#89
Benzo(k)fluoranthene
Concen: 6.224 ng m
RT: 23.045 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

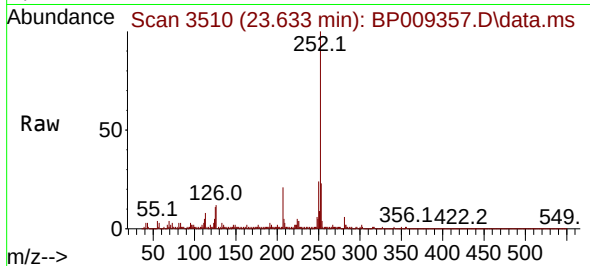
Tgt Ion:252 Resp: 927997
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 11.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 14.971 ng
RT: 23.633 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

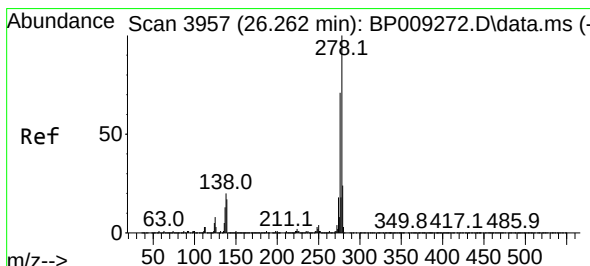
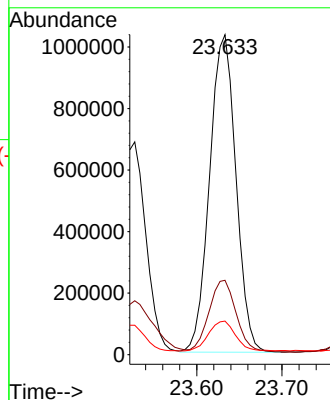
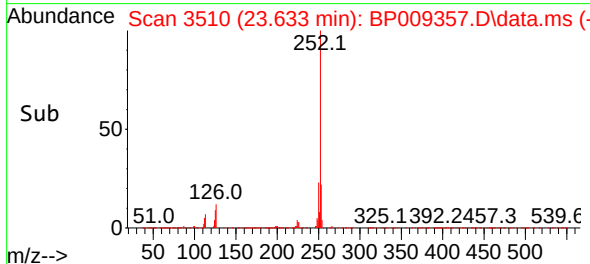
Instrument :
BNA_P
ClientSampleId :
CG-B3-030722-0-2



Tgt Ion: 252 Resp: 221593
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.5 9.3 13.9

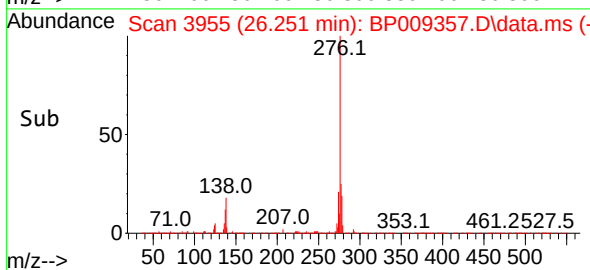
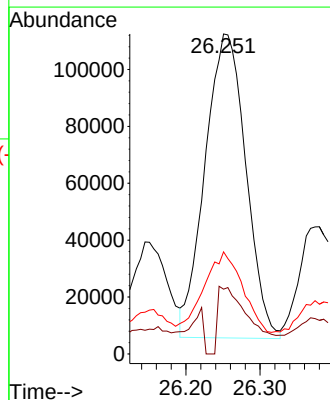
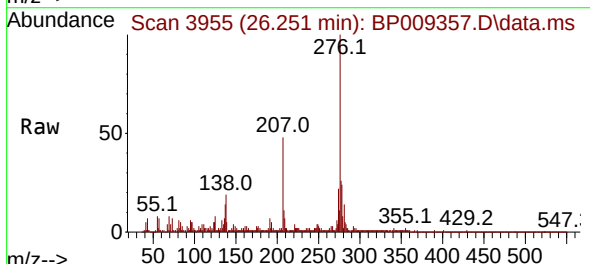
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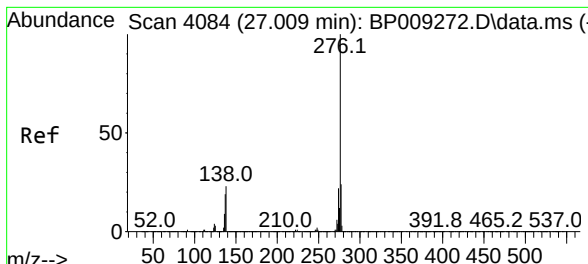
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.686 ng
RT: 26.251 min Scan# 3955
Delta R.T. -0.012 min
Lab File: BP009357.D
Acq: 10 Mar 2022 22:19

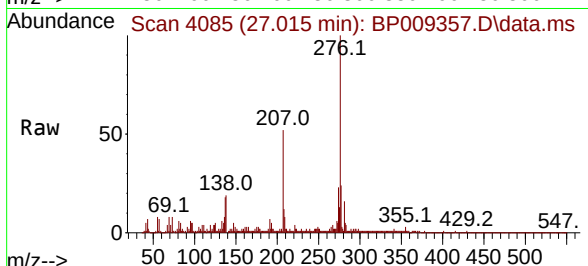
Tgt Ion: 278 Resp: 408961
Ion Ratio Lower Upper
278 100
139 20.3 13.2 19.8#
279 31.9 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 10.334 ng
 RT: 27.015 min Scan# 4085
 Delta R.T. 0.006 min
 Lab File: BP009357.D
 Acq: 10 Mar 2022 22:19

Instrument :
 BNA_P
 ClientSampleId :
 CG-B3-030722-0-2



Tgt Ion:276 Resp: 1554590
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.2 28.8
 138 18.6 18.0 27.0

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 Supervised By :Jagrut Upadhyay 03/11/2022

