

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
 Data File : BP009353.D
 Acq On : 10 Mar 2022 20:04
 Operator : CG/JU
 Sample : N1848-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CG-B4-030722-2-5

Quant Time: Mar 11 05:03:34 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	362499	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	1390396	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	852102	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1836558	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1844418	20.000	ng	0.00
86) Perylene-d12	23.733	264	2034850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	2485809	100.097	ng	0.00
7) Phenol-d6	6.993	99	3073341	97.384	ng	0.00
23) Nitrobenzene-d5	8.969	82	1977466	78.335	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1447494	140.681	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	4343158	70.094	ng	0.00
79) Terphenyl-d14	19.792	244	6770985	69.278	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.257	178	2064378	19.559	ng	100
72) Anthracene	17.345	178	609669	5.803	ng	98
73) Carbazole	17.622	167	196649	2.054	ng	97
75) Fluoranthene	19.239	202	5967137	48.981	ng	98
78) Pyrene	19.592	202	5616757	45.104	ng	99
81) Benzo(a)anthracene	21.310	228	3301941	26.413	ng	98
83) Chrysene	21.363	228	2882023	23.744	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	874872	12.170	ng	99
87) Indeno(1,2,3-cd)pyrene	26.239	276	2200486	13.919	ng	# 93
88) Benzo(b)fluoranthene	23.004	252	4478428m	32.596	ng	
89) Benzo(k)fluoranthene	23.045	252	1156772m	8.813	ng	
90) Benzo(a)pyrene	23.627	252	3195910	24.526	ng	97
91) Dibenzo(a,h)anthracene	26.257	278	578769	4.317	ng	96
92) Benzo(g,h,i)perylene	27.010	276	2214580	16.722	ng	96

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

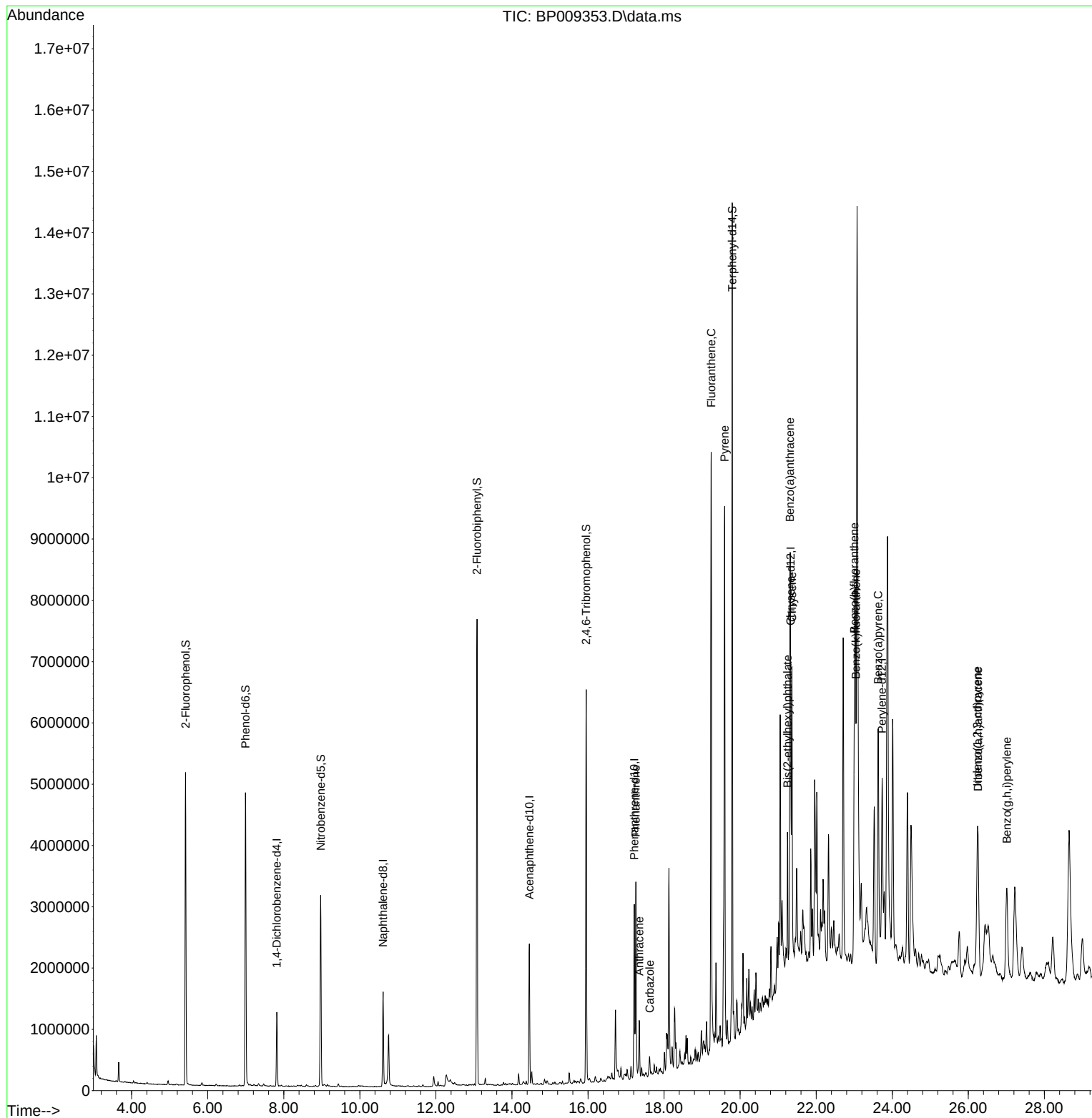
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009353.D
Acq On : 10 Mar 2022 20:04
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ALS Vial : 16 Sample Multiplier: 1

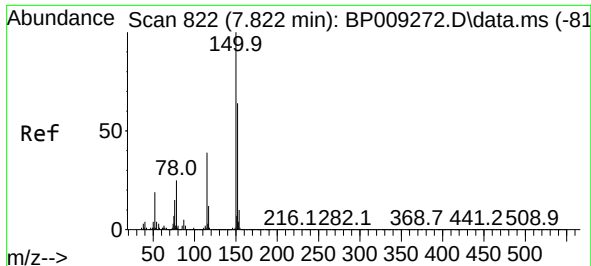
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5

Quant Time: Mar 11 05:03:34 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
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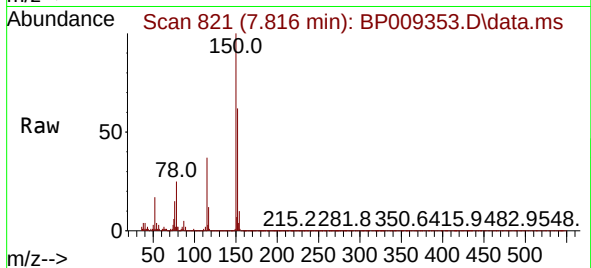
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

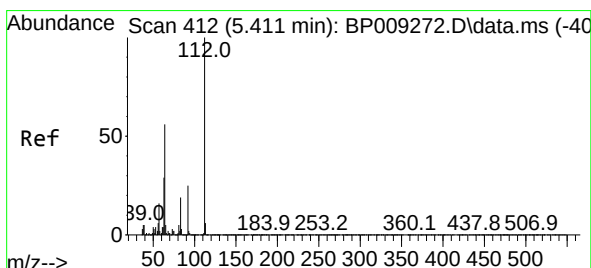
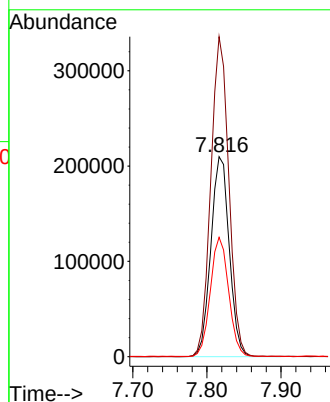
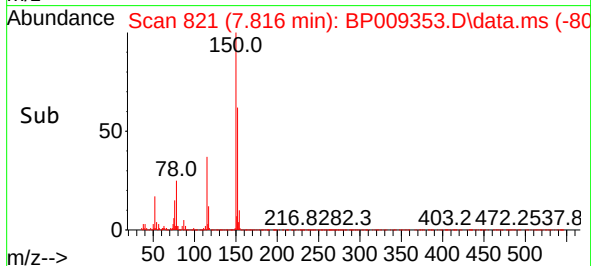
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion:152 Resp: 362499
Ion Ratio Lower Upper
152 100
150 160.0 124.5 186.7
115 59.7 48.2 72.4

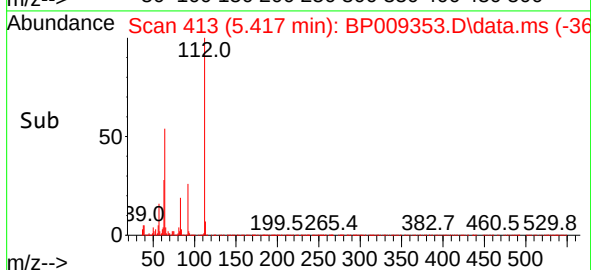
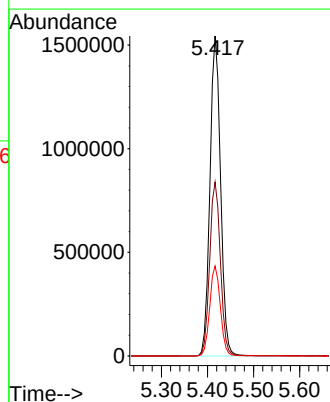
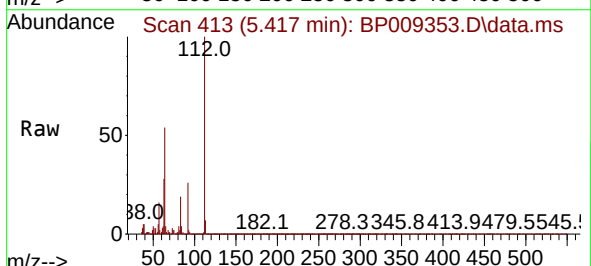
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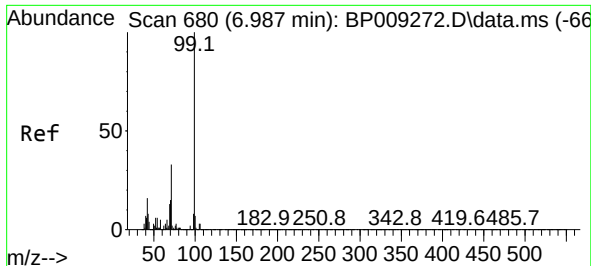
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#5
2-Fluorophenol
Concen: 100.097 ng
RT: 5.417 min Scan# 413
Delta R.T. 0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

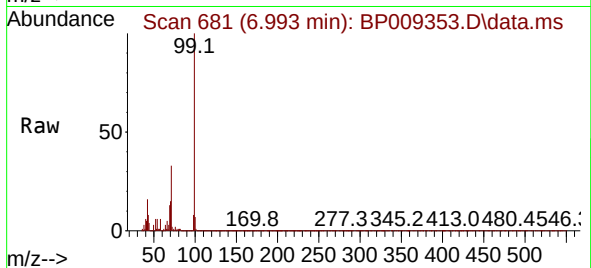
Tgt Ion:112 Resp: 2485809
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 28.1 23.0 34.6





#7
Phenol-d6
Concen: 97.384 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

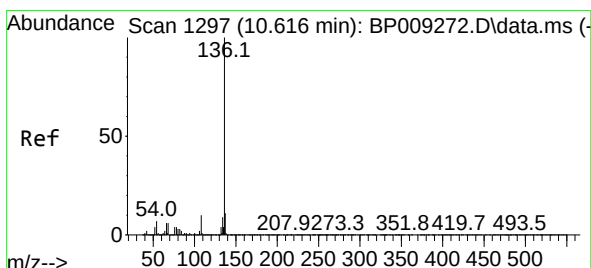
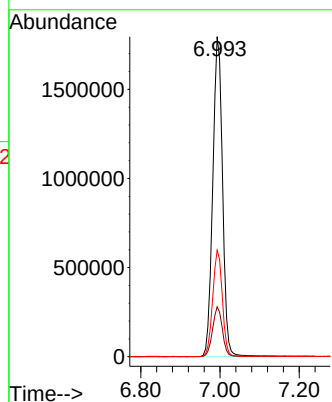
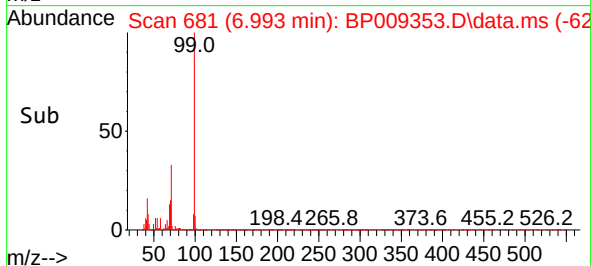
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion: 99 Resp: 307334
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 33.3 26.3 39.5

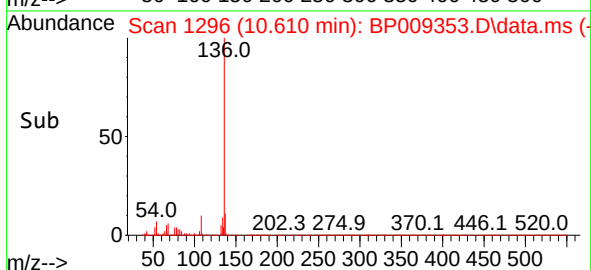
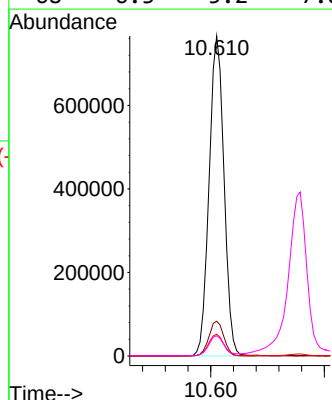
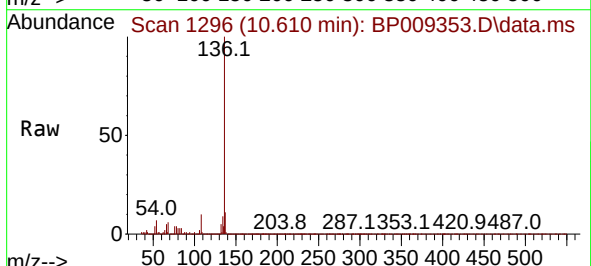
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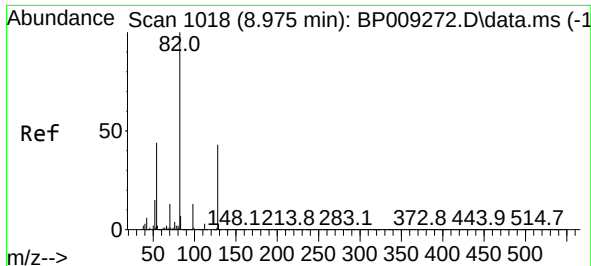
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

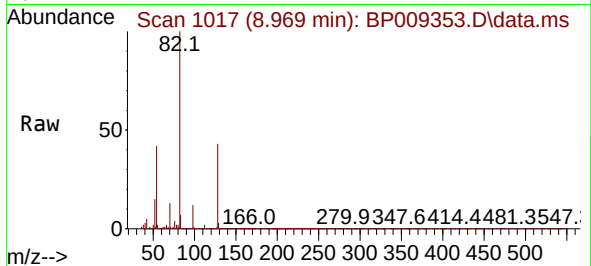
Tgt Ion:136 Resp: 1390396
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.8 5.8 8.8
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 78.335 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

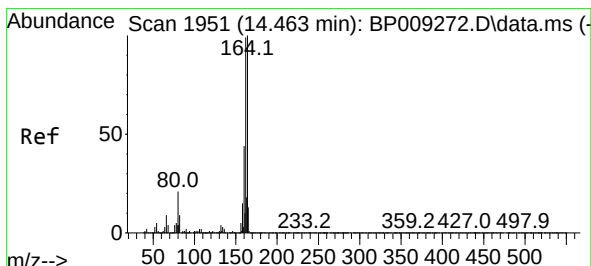
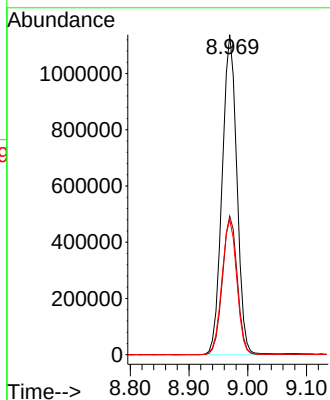
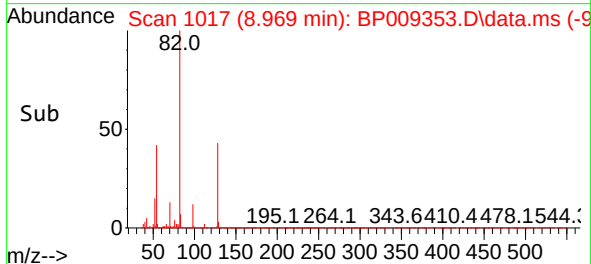
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion: 82 Resp: 1977460
Ion Ratio Lower Upper
82 100
128 43.3 34.2 51.4
54 42.2 34.7 52.1

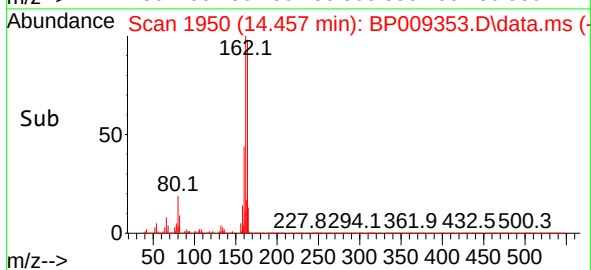
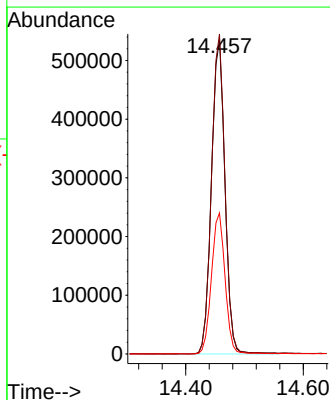
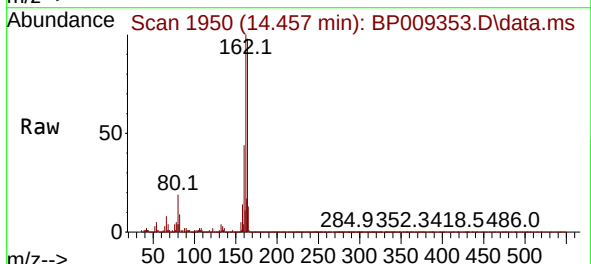
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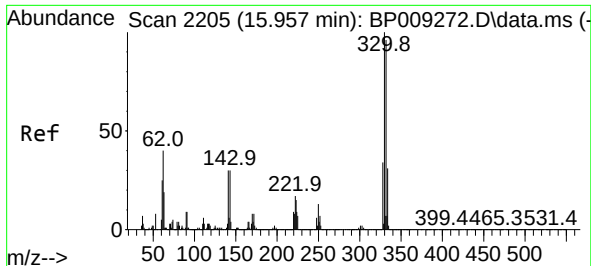
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

Tgt Ion:164 Resp: 852102
Ion Ratio Lower Upper
164 100
162 101.8 79.1 118.7
160 44.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 140.681 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009353.D

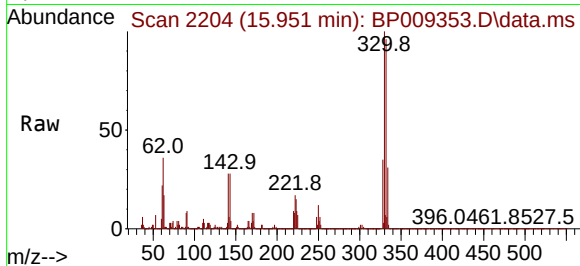
Acq: 10 Mar 2022 20:04

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-2-5



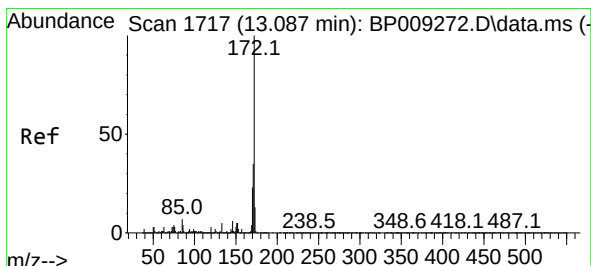
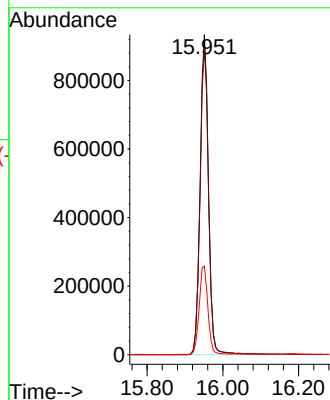
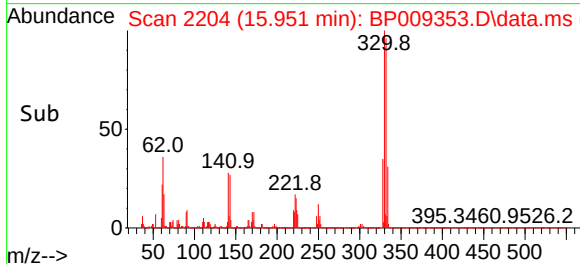
Tgt Ion	330	Resp	1447494
Ion Ratio	100		
Lower	77.0		
Upper	115.6		
Ratio	28.7	41.4	

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/11/2022



#45

2-Fluorobiphenyl

Concen: 70.094 ng

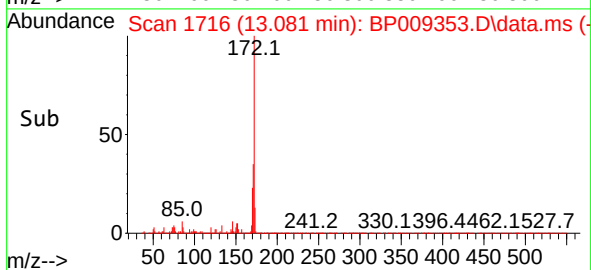
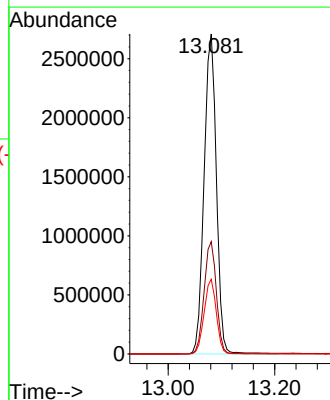
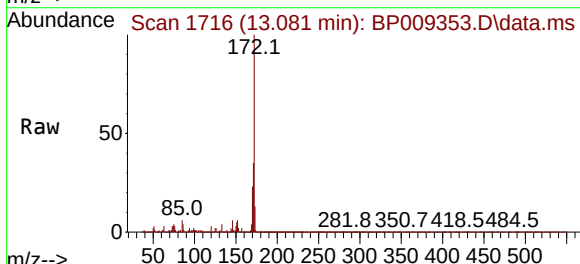
RT: 13.081 min Scan# 1716

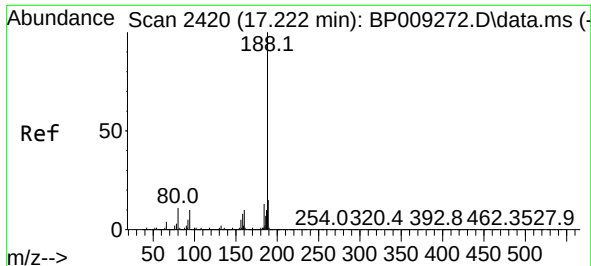
Delta R.T. -0.006 min

Lab File: BP009353.D

Acq: 10 Mar 2022 20:04

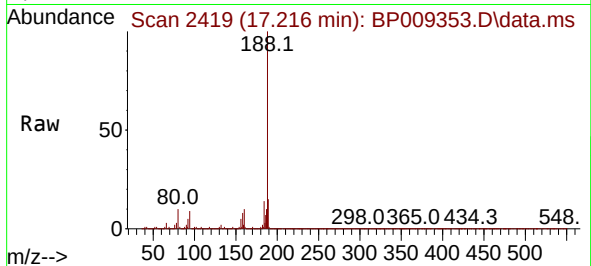
Tgt Ion	172	Resp	4343158
Ion Ratio	100		
Lower	28.0		
Upper	42.0		
Ratio	23.3	27.8	





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

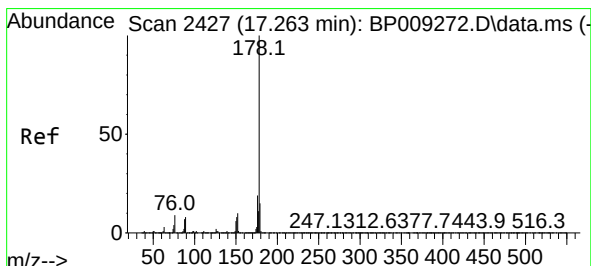
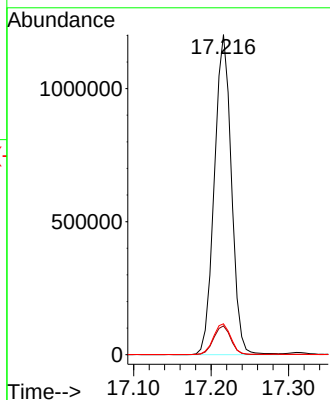
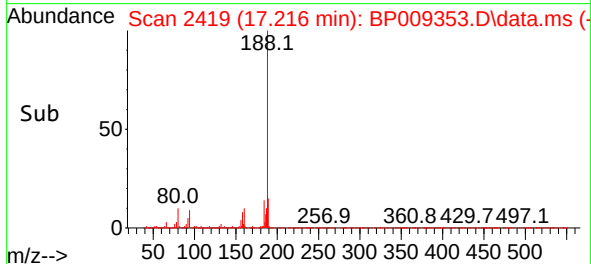
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion:188 Resp: 1836558
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.6 8.8 13.2

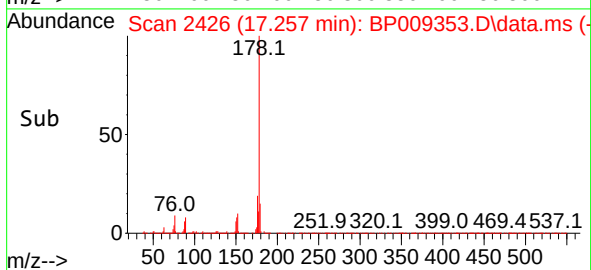
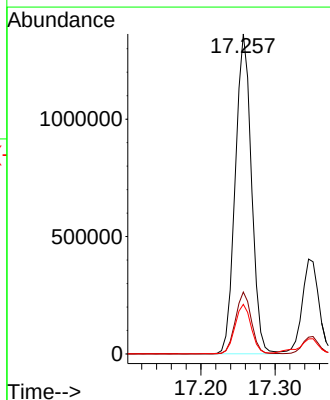
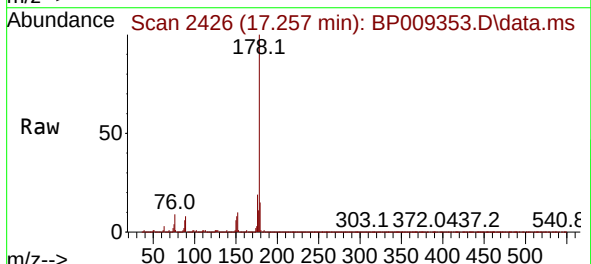
Manual Integrations
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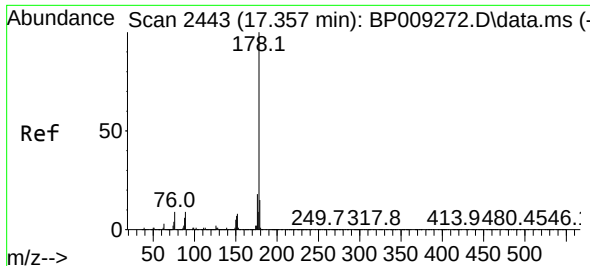
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#71
Phenanthrene
Concen: 19.559 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

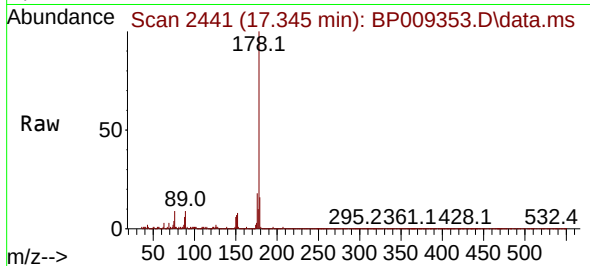
Tgt Ion:178 Resp: 2064378
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.3 18.5





#72
 Anthracene
 Concen: 5.803 ng
 RT: 17.345 min Scan# 2443
 Delta R.T. -0.012 min
 Lab File: BP009353.D
 Acq: 10 Mar 2022 20:04

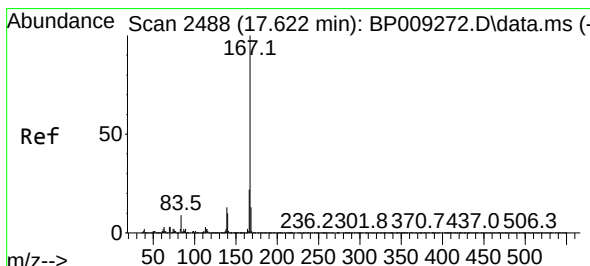
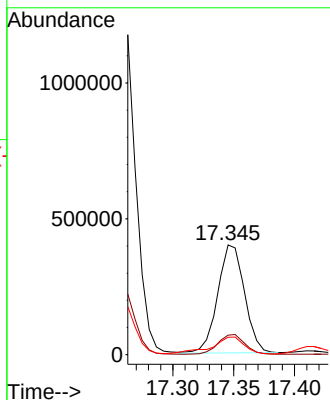
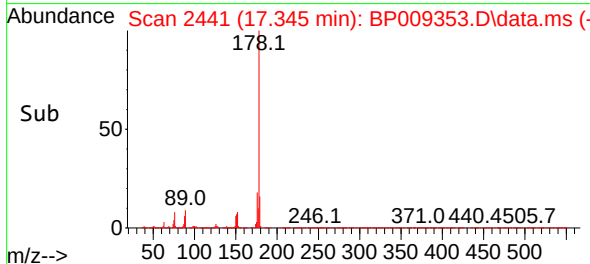
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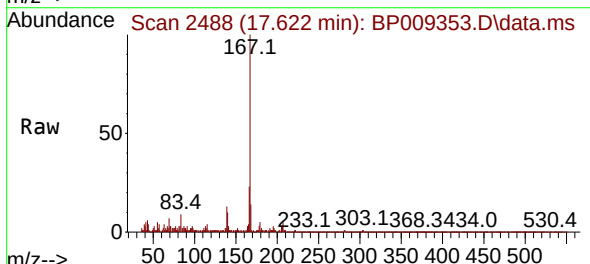
Tgt Ion:178 Resp: 609669
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 15.9 12.2 18.4

Manual Integrations
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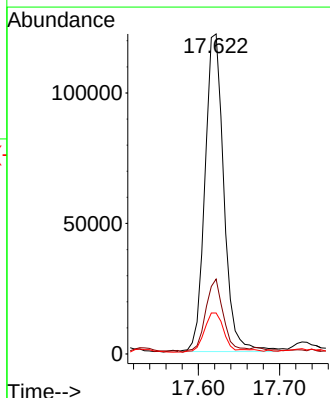
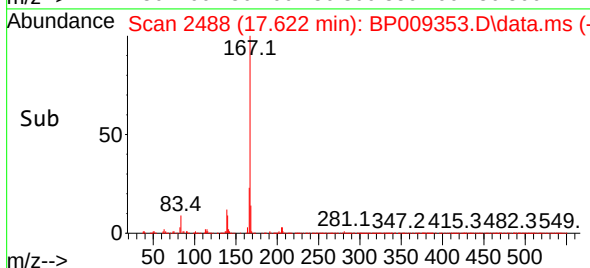
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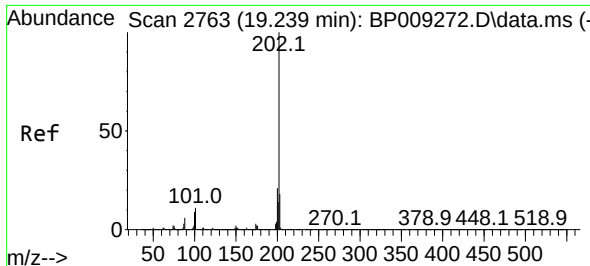


#73
 Carbazole
 Concen: 2.054 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BP009353.D
 Acq: 10 Mar 2022 20:04



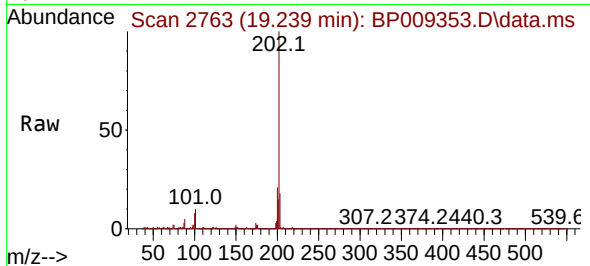
Tgt Ion:167 Resp: 196649
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.2 25.8
 139 12.8 10.3 15.5





#75
Fluoranthene
Concen: 48.981 ng
RT: 19.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

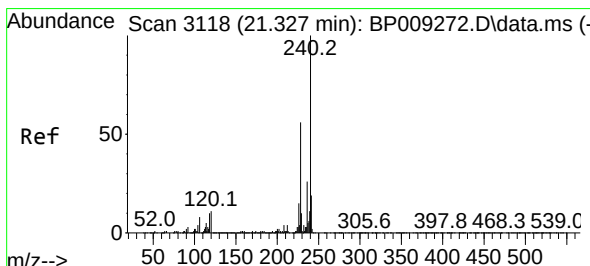
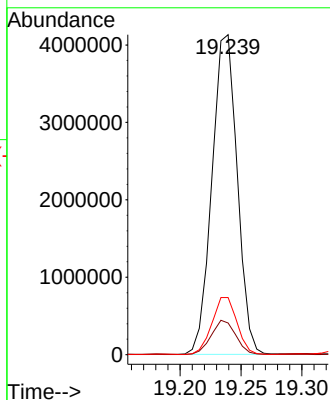
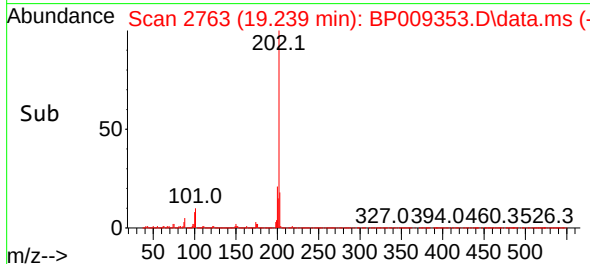
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion:202 Resp: 596713
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 17.9 0.0 37.8

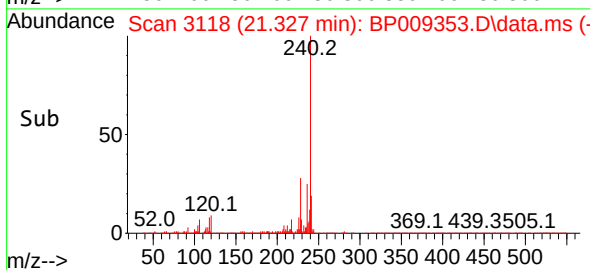
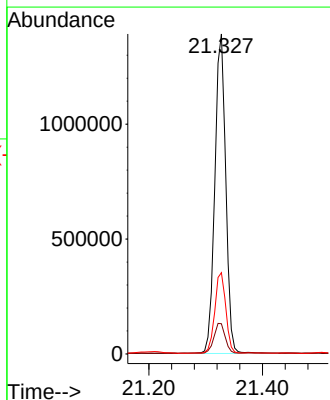
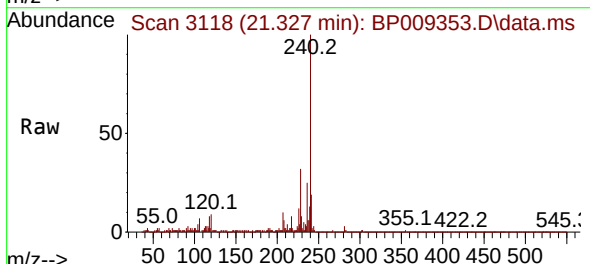
Manual Integrations
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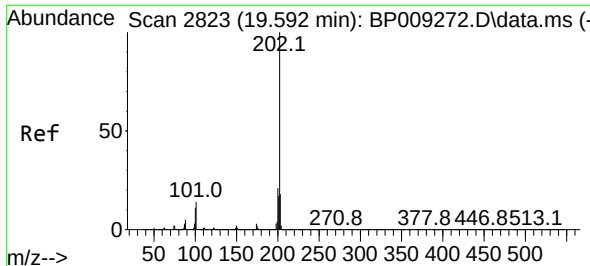
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

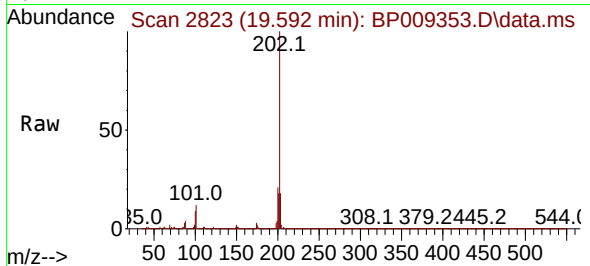
Tgt Ion:240 Resp: 1844418
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 25.4 20.6 30.8





#78
Pyrene
Concen: 45.104 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

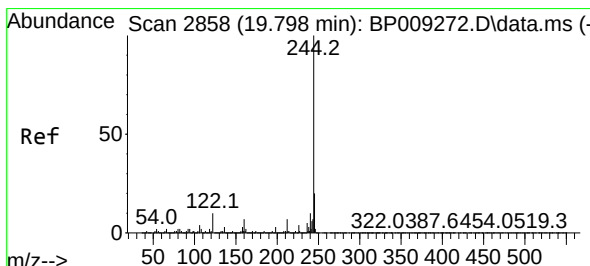
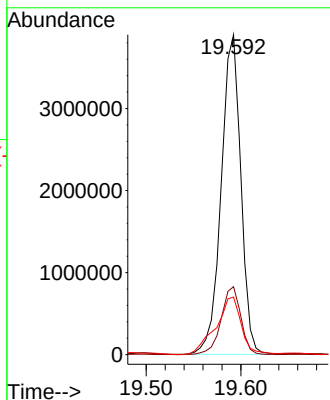
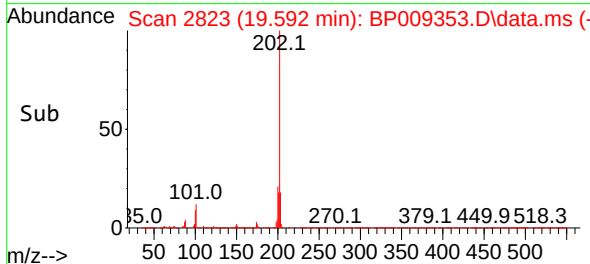
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion:202 Resp: 561675
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.0 14.2 21.4

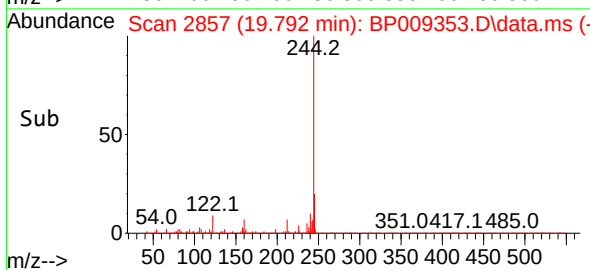
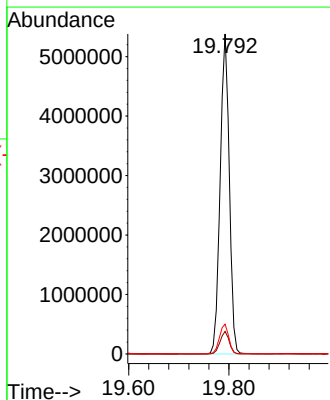
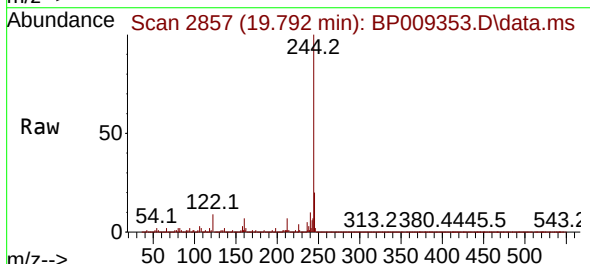
Manual Integrations
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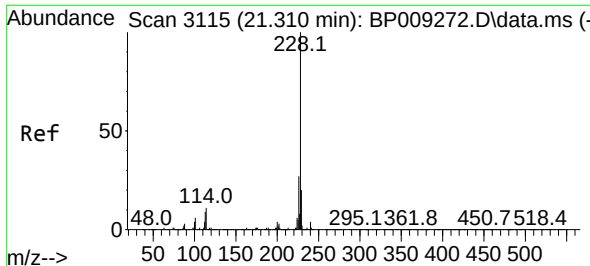
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#79
Terphenyl-d14
Concen: 69.278 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

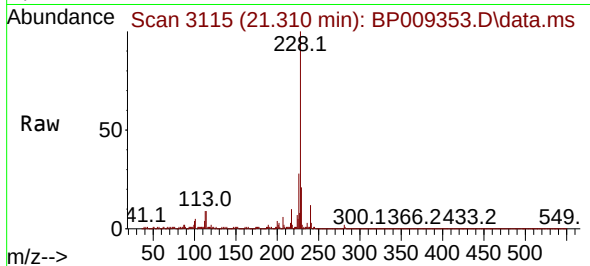
Tgt Ion:244 Resp: 6770985
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 9.3 8.3 12.5





#81
Benzo(a)anthracene
Concen: 26.413 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

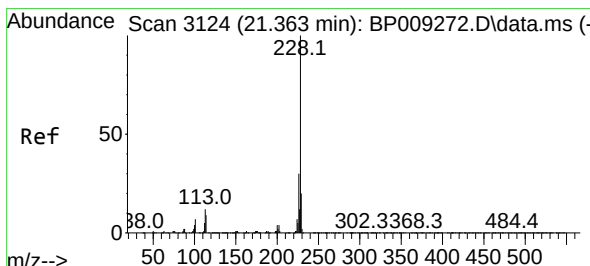
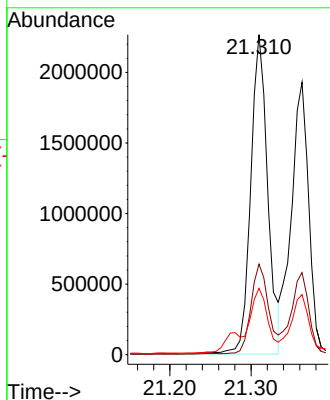
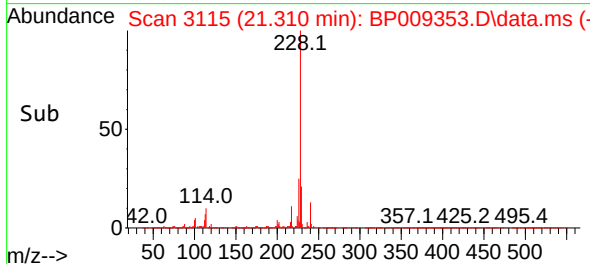
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



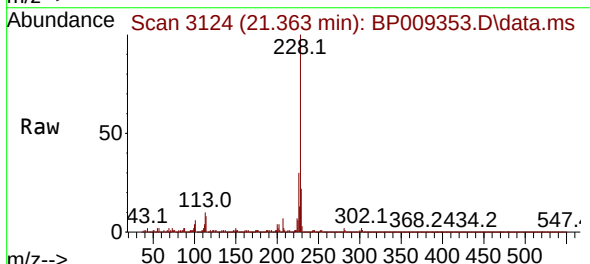
Tgt Ion:228 Resp: 330194
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 20.8 16.1 24.1

Manual Integrations
APPROVED

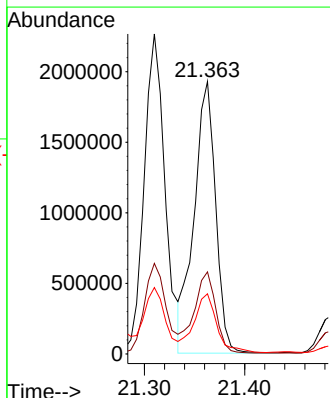
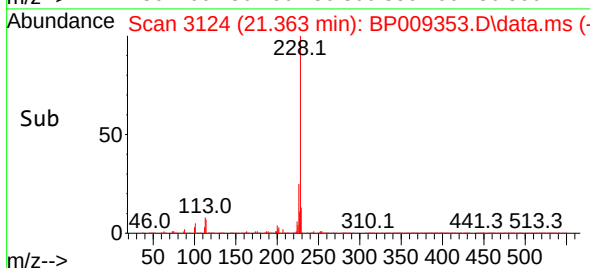
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

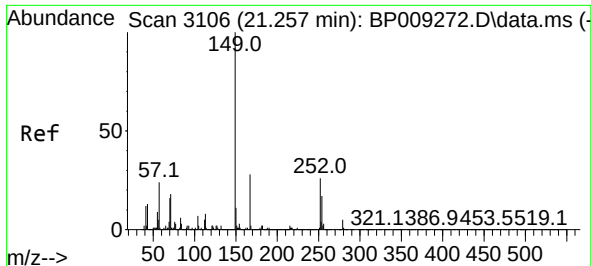


#83
Chrysene
Concen: 23.744 ng
RT: 21.363 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04



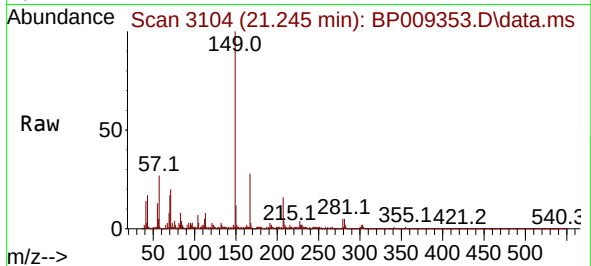
Tgt Ion:228 Resp: 2882023
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 22.1 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 12.170 ng
RT: 21.245 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

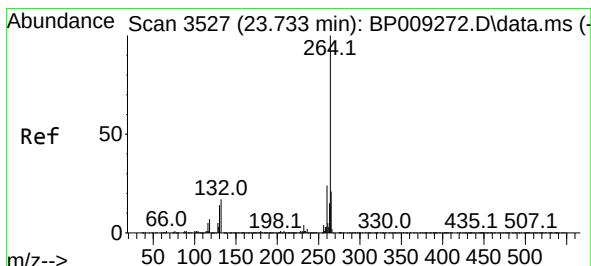
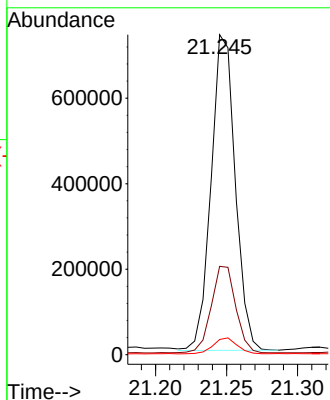
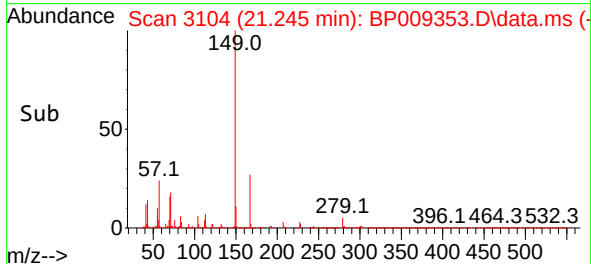
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5



Tgt Ion:149 Resp: 874872
Ion Ratio Lower Upper
149 100
167 27.6 22.6 33.8
279 4.8 3.8 5.6

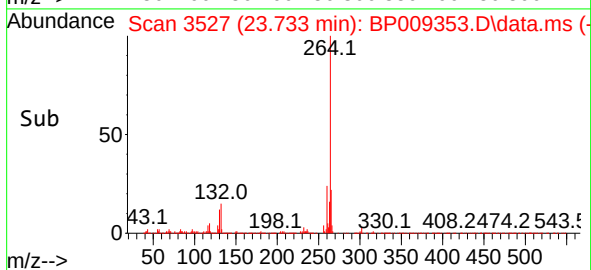
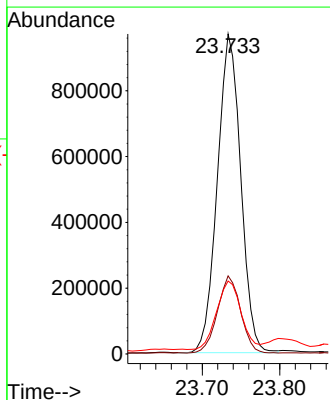
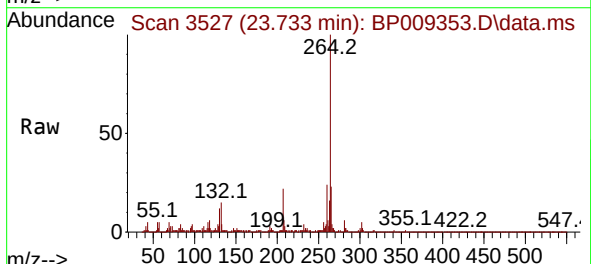
Manual Integrations
APPROVED

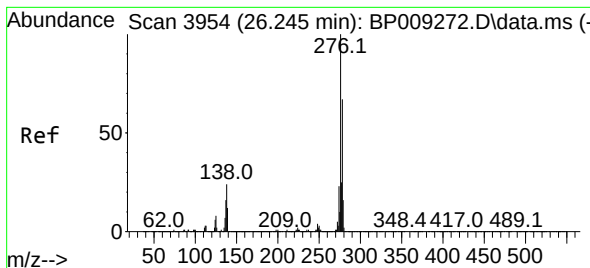
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3527
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

Tgt Ion:264 Resp: 2034850
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 22.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.919 ng

RT: 26.239 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP009353.D

Acq: 10 Mar 2022 20:04

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-2-5

Tgt Ion:276 Resp: 2200480

Ion Ratio Lower Upper

276 100

138 18.6 20.5 30.7

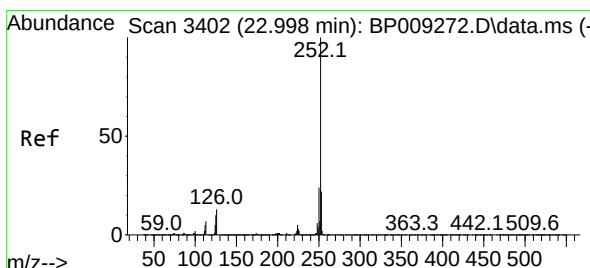
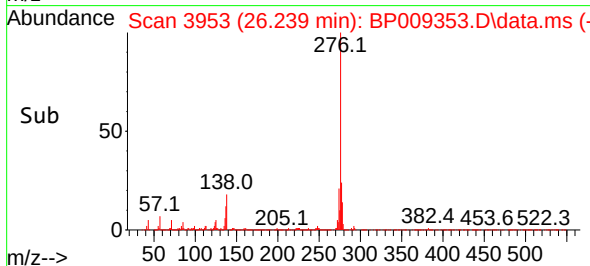
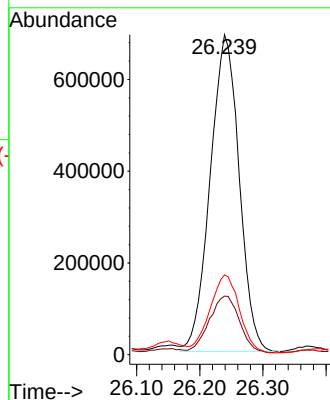
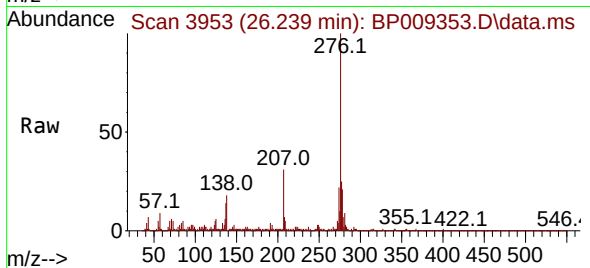
277 25.4 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/11/2022

Supervised By :Jagrut Upadhyay 03/11/2022



#88

Benzo(b)fluoranthene

Concen: 32.596 ng m

RT: 23.004 min Scan# 3403

Delta R.T. 0.006 min

Lab File: BP009353.D

Acq: 10 Mar 2022 20:04

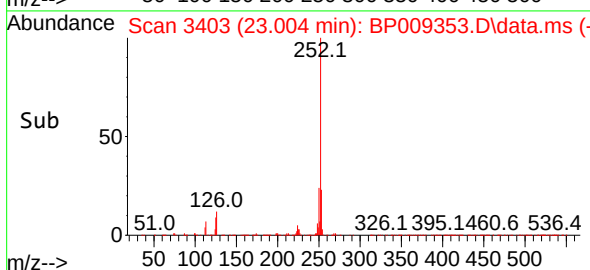
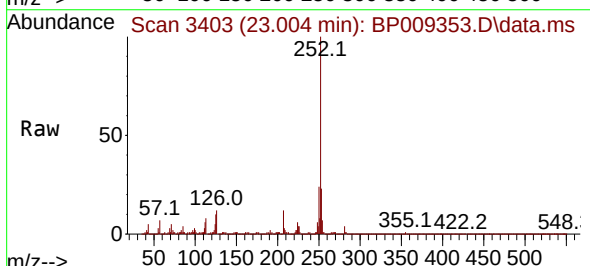
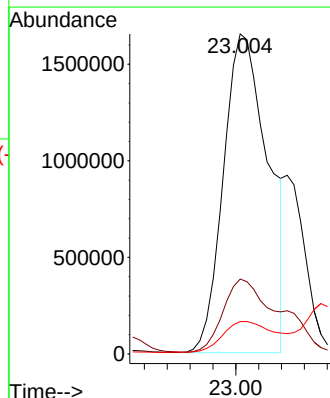
Tgt Ion:252 Resp: 4478428

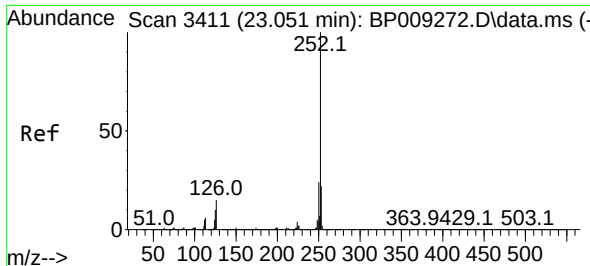
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 10.1 8.1 12.1





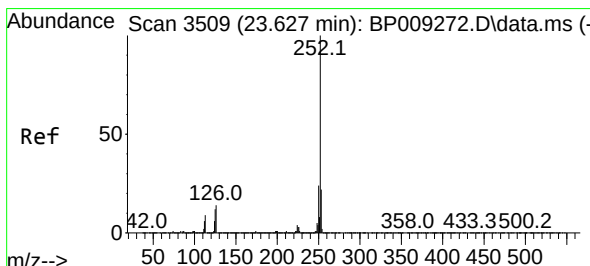
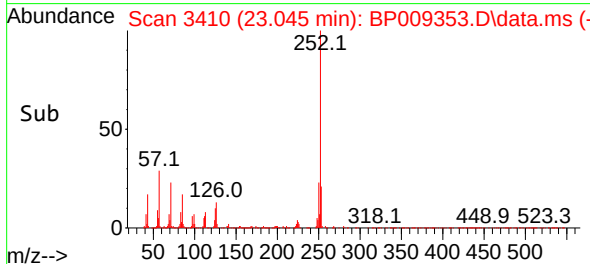
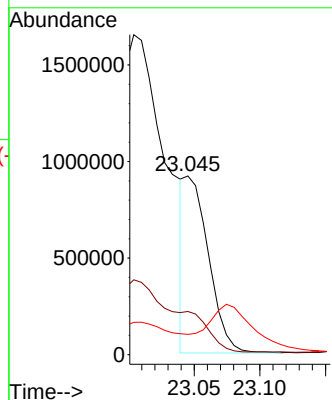
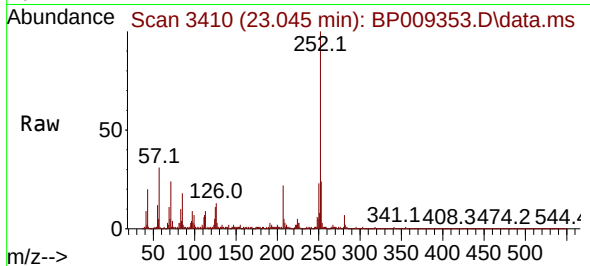
#89
Benzo(k)fluoranthene
Concen: 8.813 ng m
RT: 23.045 min Scan# 3411
Delta R.T. -0.006 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-2-5

Tgt Ion:252 Resp: 1156772
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 11.4 8.3 12.5

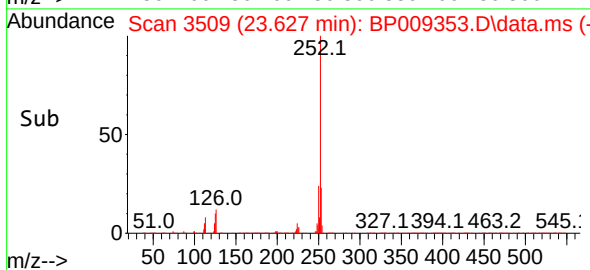
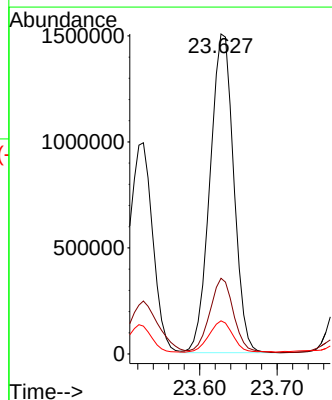
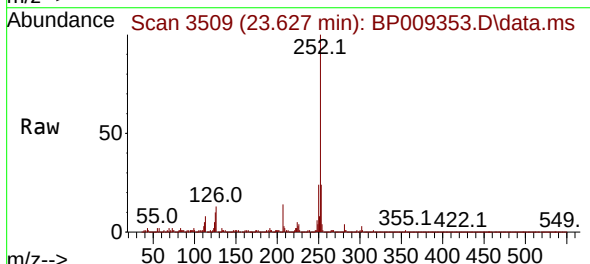
Manual Integrations
APPROVED

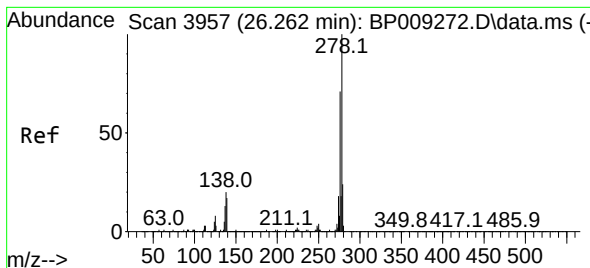
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#90
Benzo(a)pyrene
Concen: 24.526 ng
RT: 23.627 min Scan# 3509
Delta R.T. 0.000 min
Lab File: BP009353.D
Acq: 10 Mar 2022 20:04

Tgt Ion:252 Resp: 3195910
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.4 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 4.317 ng

RT: 26.257 min Scan# 3957

Delta R.T. -0.006 min

Lab File: BP009353.D

Acq: 10 Mar 2022 20:04

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-2-5

Tgt Ion:278 Resp: 578769

Ion Ratio Lower Upper

278 100

139 16.7 13.2 19.8

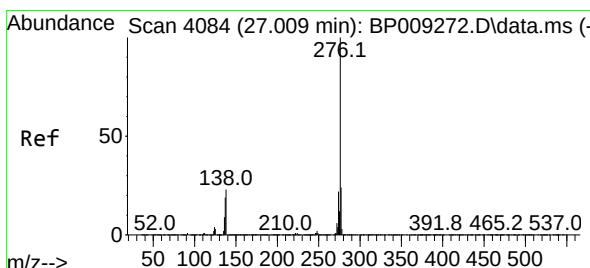
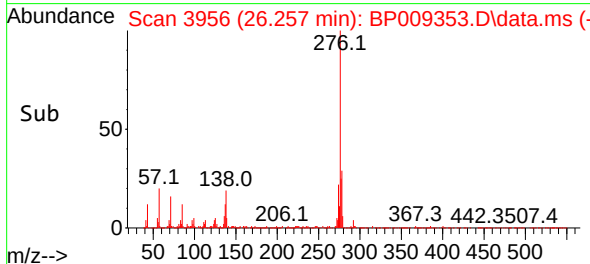
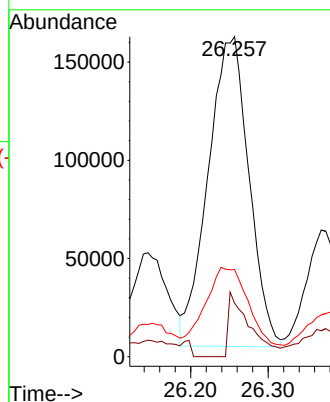
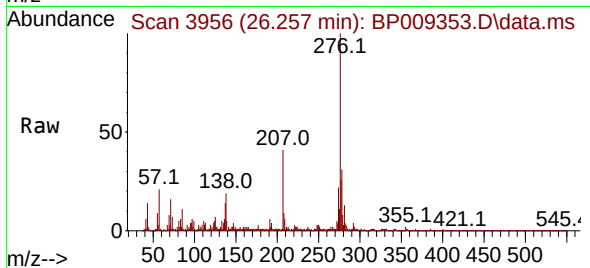
279 27.2 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/11/2022

Supervised By :Jagrut Upadhyay 03/11/2022



#92

Benzo(g,h,i)perylene

Concen: 16.722 ng

RT: 27.010 min Scan# 4084

Delta R.T. 0.000 min

Lab File: BP009353.D

Acq: 10 Mar 2022 20:04

Tgt Ion:276 Resp: 2214580

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 19.2 18.0 27.0

