

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020222\
 Data File : BP009018.D
 Acq On : 02 Feb 2022 21:37
 Operator : CG/JU
 Sample : N1356-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-PHC

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2022
 Supervised By : Jagrut Upadhyay 02/04/2022

Quant Time: Feb 03 06:27:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 03 06:20:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	198925	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	700498	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	427242	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	913664	20.000	ng	# 0.00
76) Chrysene-d12	21.309	240	1027750	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1135668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1302942	101.289	ng	0.00
7) Phenol-d6	7.004	99	1546272	99.266	ng	0.00
23) Nitrobenzene-d5	8.981	82	974033	78.943	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	738516	118.753	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2428145	74.948	ng	0.00
79) Terphenyl-d14	19.780	244	3871424	63.583	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.034	94	32281	2.033	ng	# 67
49) Acenaphthylene	14.186	152	159562	3.940	ng	98
71) Phenanthrene	17.263	178	1221399	23.743	ng	99
72) Anthracene	17.351	178	352949	6.839	ng	99
73) Carbazole	17.633	167	108561	2.447	ng	99
75) Fluoranthene	19.233	202	2827475	49.426	ng	96
78) Pyrene	19.586	202	2637007	36.772	ng	97
81) Benzo(a)anthracene	21.298	228	1508178	21.813	ng	100
83) Chrysene	21.345	228	1275828	19.035	ng	99
87) Indeno(1,2,3-cd)pyrene	26.227	276	900061	9.618	ng	# 95
88) Benzo(b)fluoranthene	22.986	252	1882786m	24.825	ng	
89) Benzo(k)fluoranthene	23.027	252	490492m	6.681	ng	
90) Benzo(a)pyrene	23.609	252	1291063	17.636	ng	98
91) Dibenzo(a,h)anthracene	26.227	278	252071m	3.168	ng	
92) Benzo(g,h,i)perylene	26.991	276	846022	10.889	ng	98

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

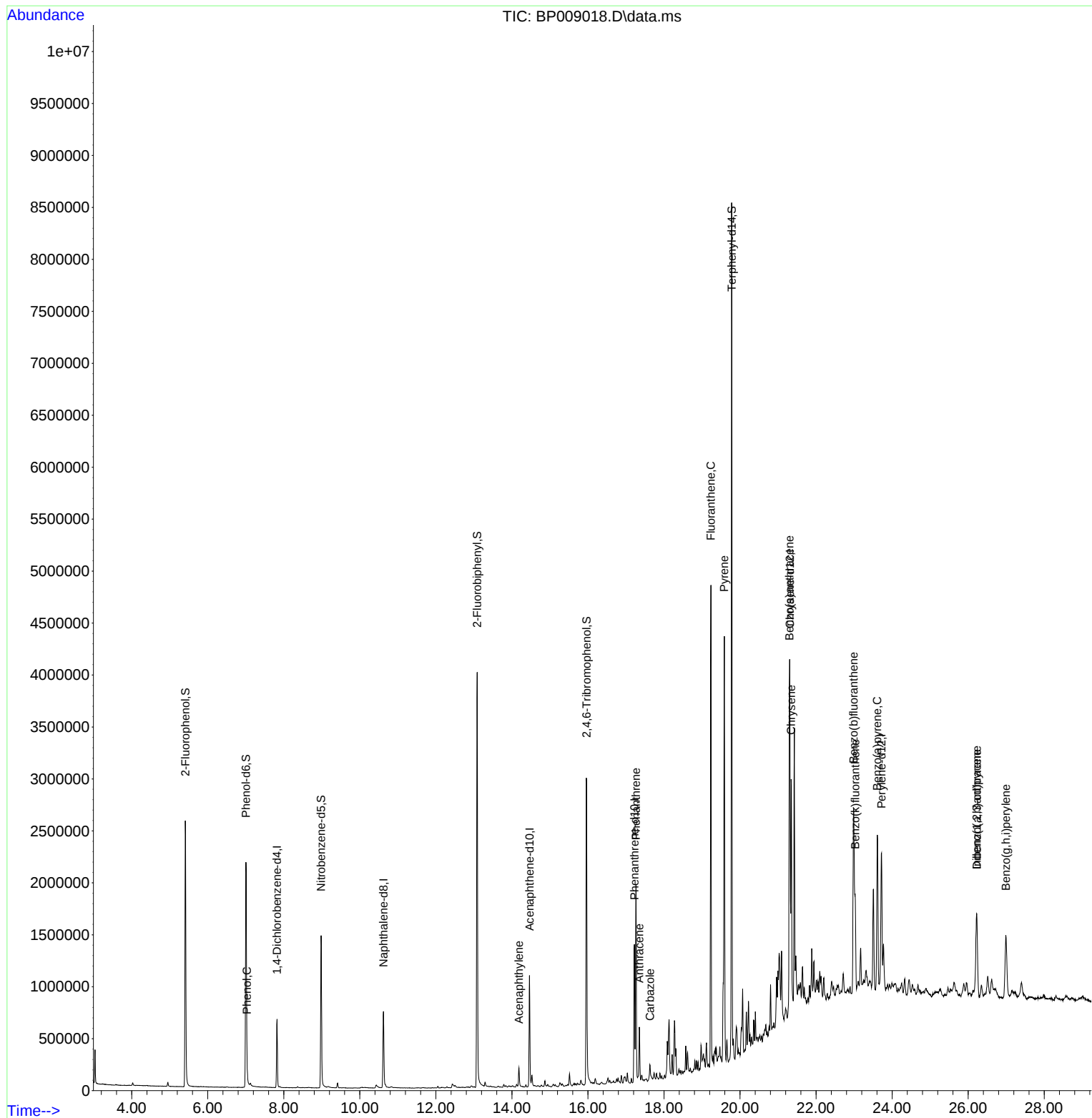
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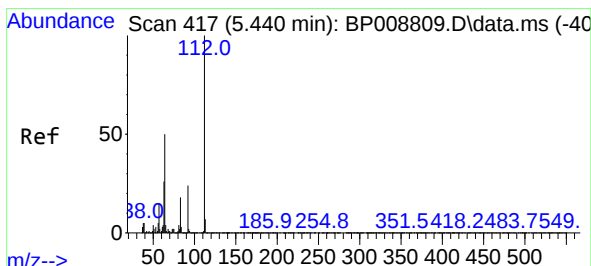
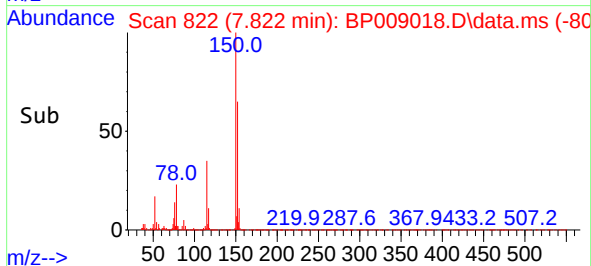
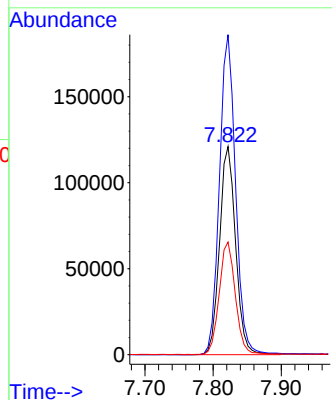
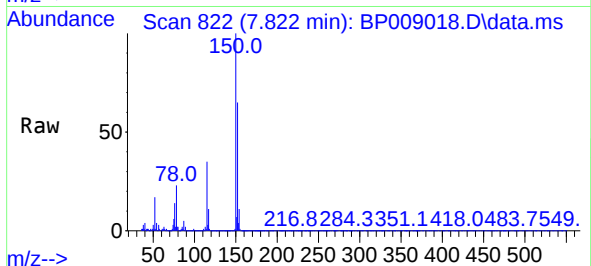
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC

Tgt Ion:152 Resp: 198925
Ion Ratio Lower Upper
152 100
150 153.7 127.0 190.6
115 54.1 43.7 65.5

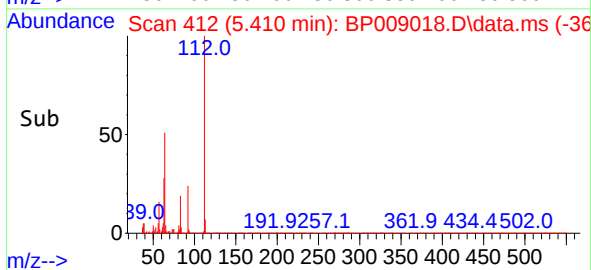
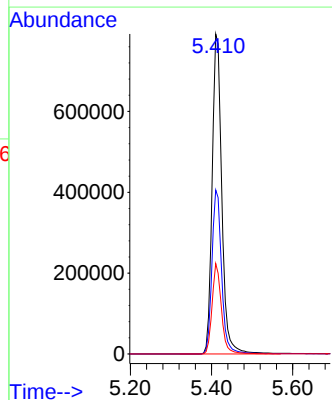
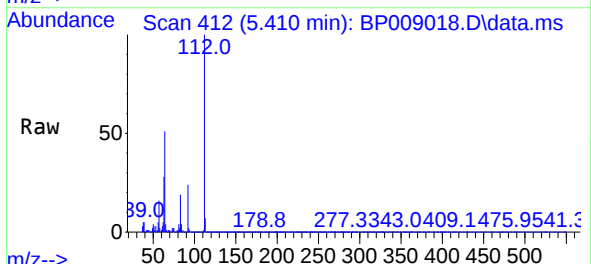
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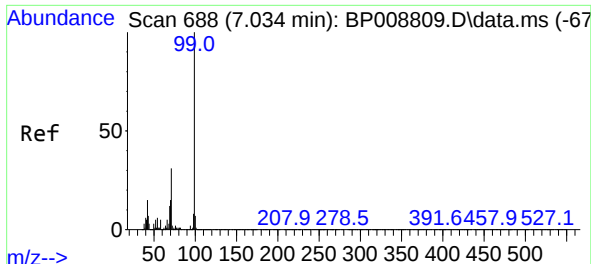
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Supervised By :Jagrut Upadhyay 02/04/2022



#5
2-Fluorophenol
Concen: 101.289 ng
RT: 5.410 min Scan# 412
Delta R.T. -0.000 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion:112 Resp: 1302942
Ion Ratio Lower Upper
112 100
64 51.2 39.7 59.5
63 28.3 20.0 30.0





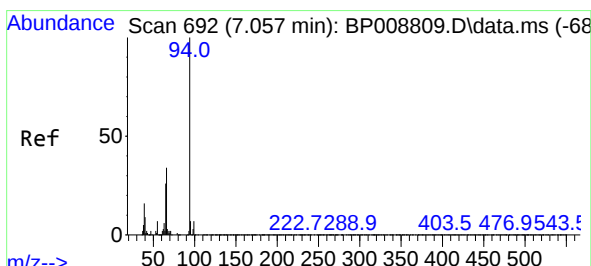
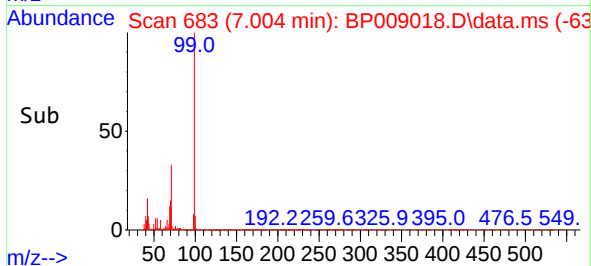
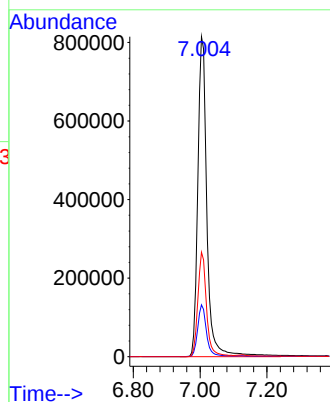
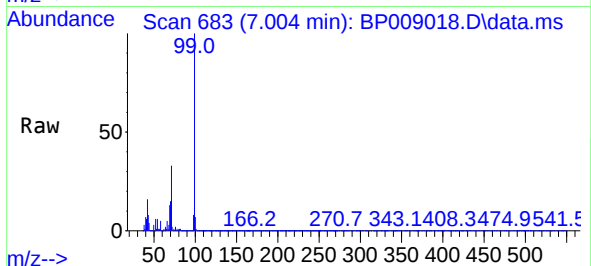
#7
Phenol-d6
Concen: 99.266 ng
RT: 7.004 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
Client SampleId :
B-PHC

Tgt Ion: 99 Resp: 154627
Ion Ratio Lower Upper
99 100
42 16.2 10.8 16.2
71 32.7 23.8 35.6

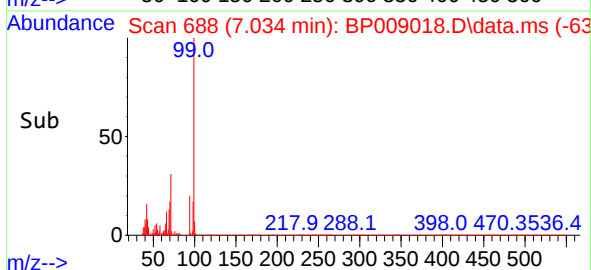
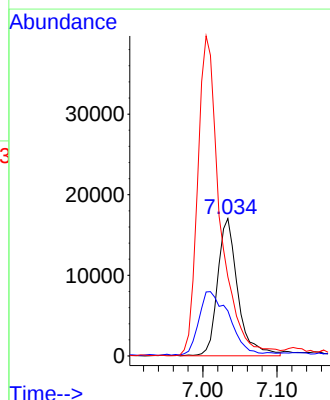
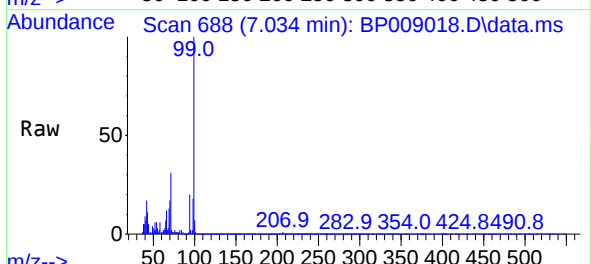
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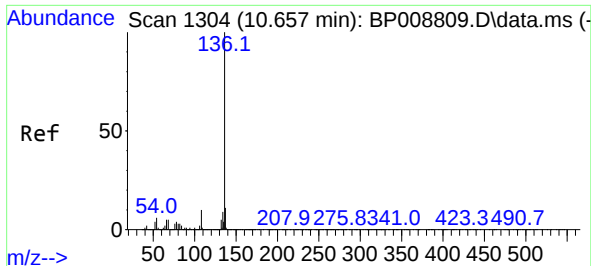
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#10
Phenol
Concen: 2.033 ng
RT: 7.034 min Scan# 688
Delta R.T. -0.000 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion: 94 Resp: 32281
Ion Ratio Lower Upper
94 100
65 32.9 4.1 44.1
66 57.5 12.4 52.4





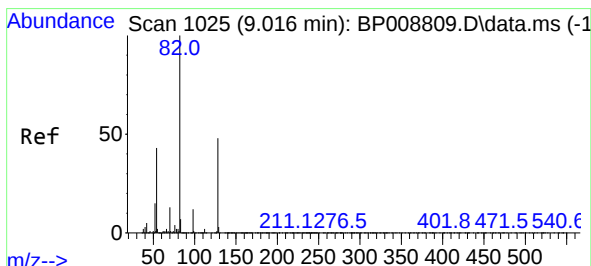
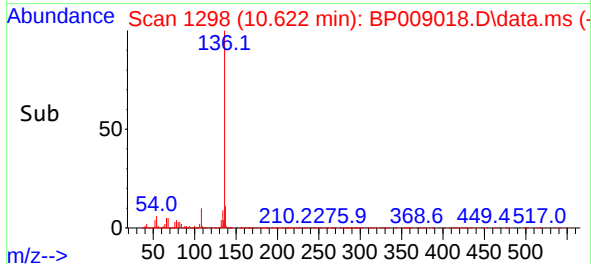
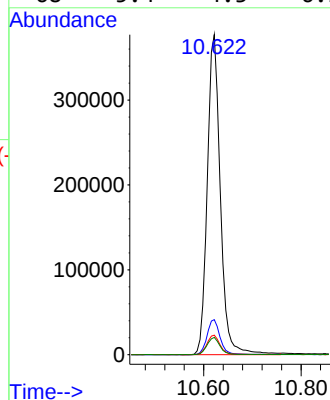
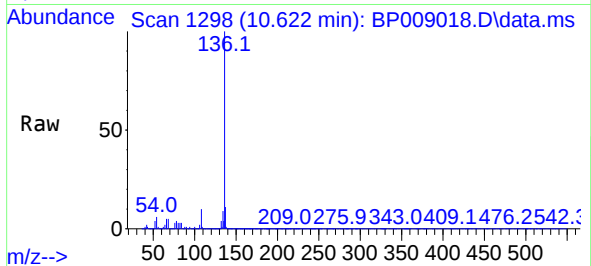
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC

Tgt Ion:	136	Resp:	700498
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	6.1	4.9	7.3
68	5.4	4.3	6.5

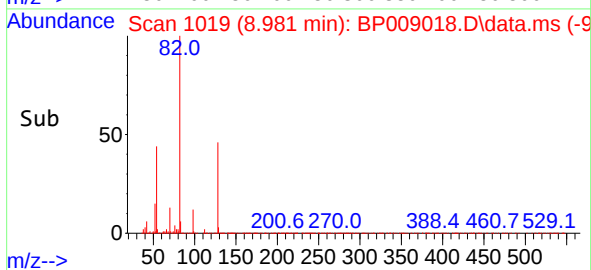
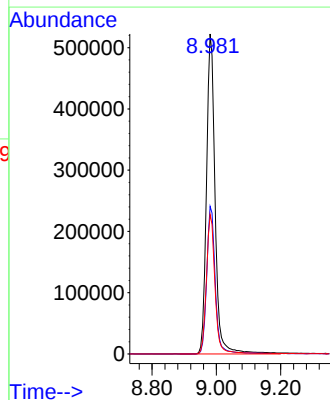
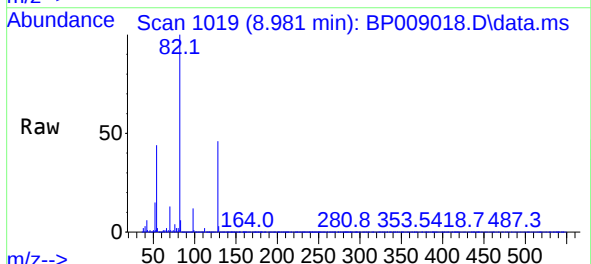
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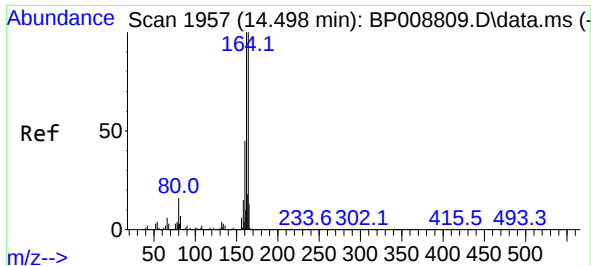
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#23
Nitrobenzene-d5
Concen: 78.943 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

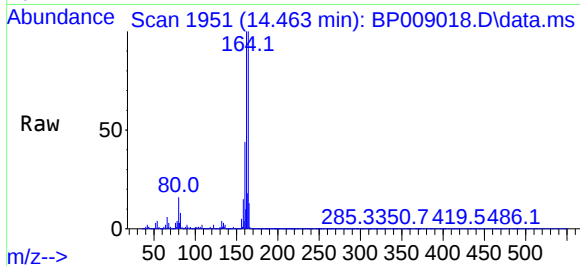
Tgt Ion:	82	Resp:	974033
Ion Ratio	Lower	Upper	
82	100		
128	46.1	39.4	59.2
54	43.5	32.6	48.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

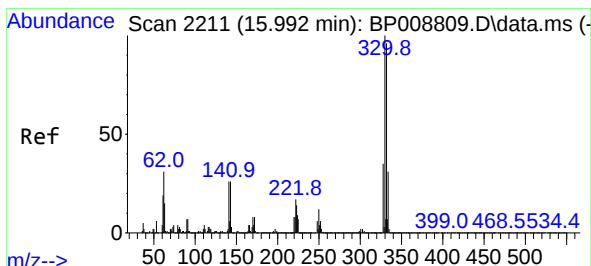
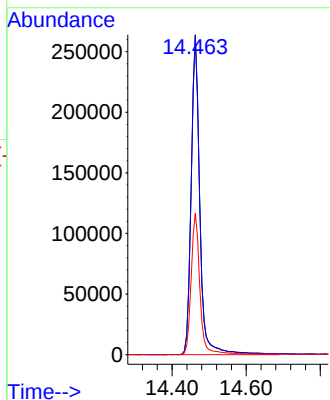
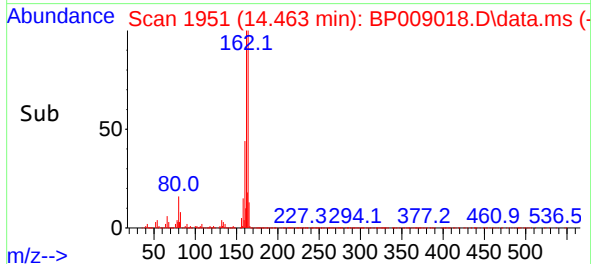
Instrument :
BNA_P
ClientSampleId :
B-PHC



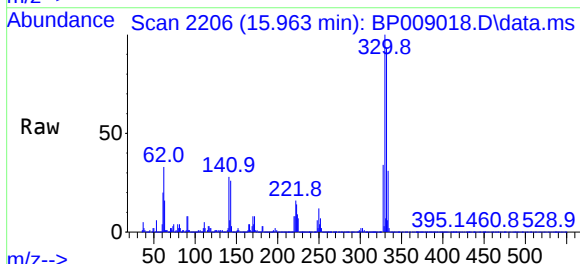
Tgt Ion:164 Resp: 42724
Ion Ratio Lower Upper
164 100
162 100.5 79.9 119.9
160 44.5 35.5 53.3

Manual Integrations
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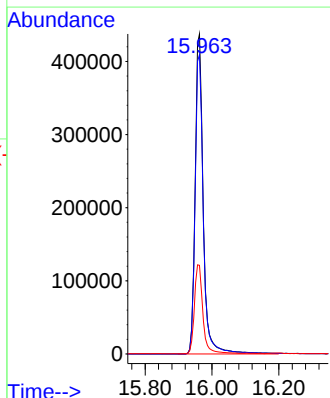
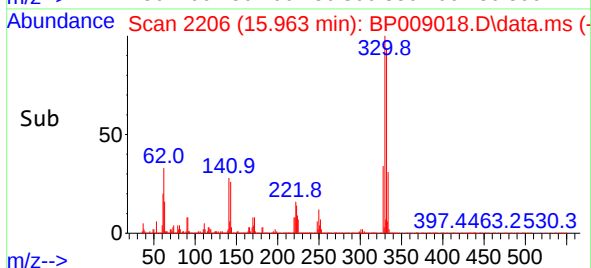
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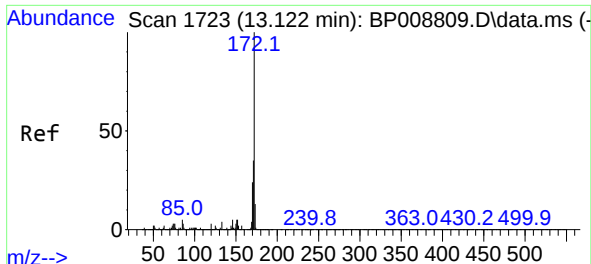


#42
2,4,6-Tribromophenol
Concen: 118.753 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37



Tgt Ion:330 Resp: 738516
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.4
141 29.3 21.3 31.9





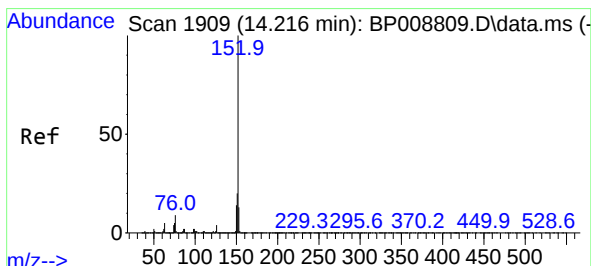
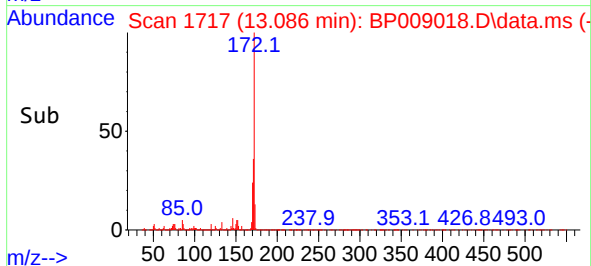
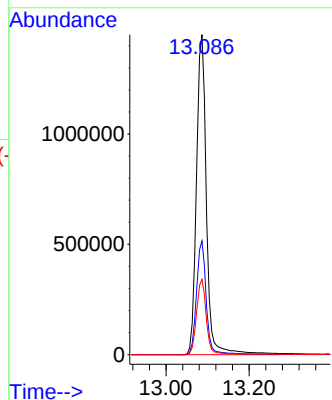
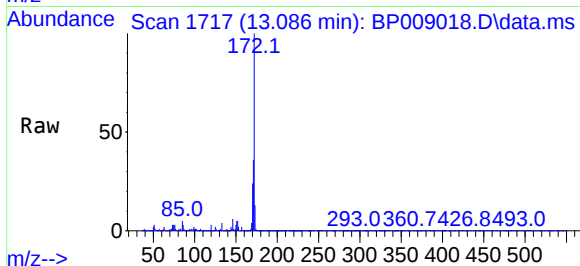
#45
2-Fluorobiphenyl
Concen: 74.948 ng
RT: 13.086 min Scan# 172
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC

Tgt Ion:172 Resp: 242814
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.5 19.5 29.3

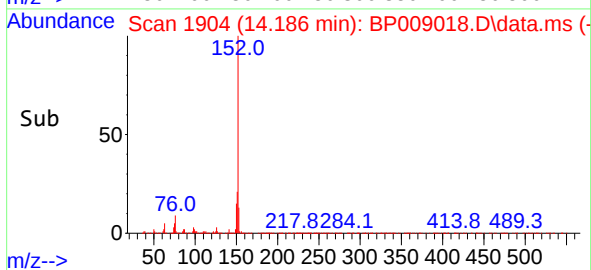
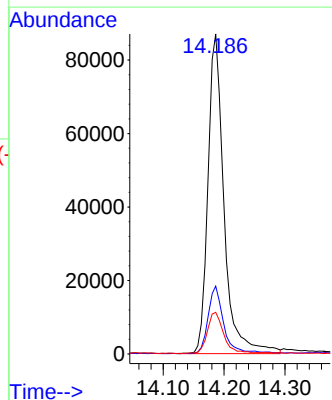
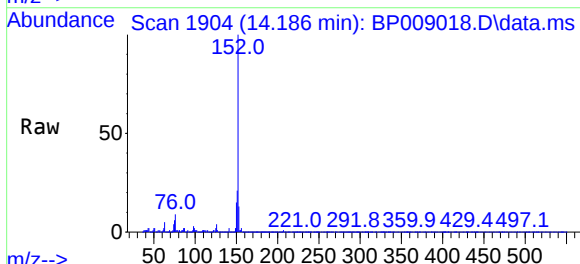
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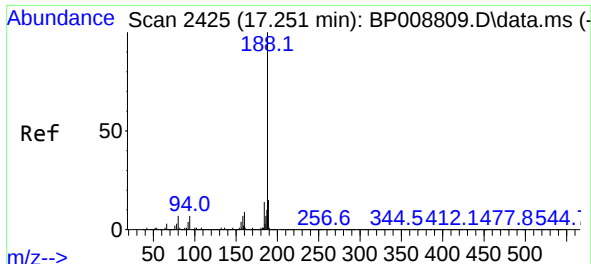
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#49
Acenaphthylene
Concen: 3.940 ng
RT: 14.186 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion:152 Resp: 159562
Ion Ratio Lower Upper
152 100
151 21.2 16.1 24.1
153 13.0 10.6 16.0





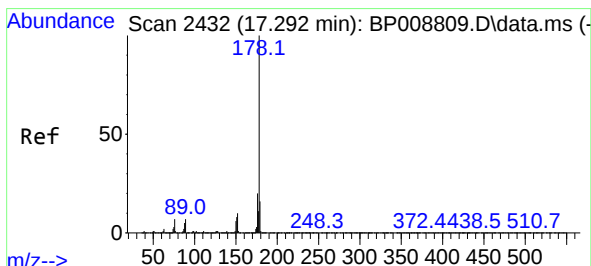
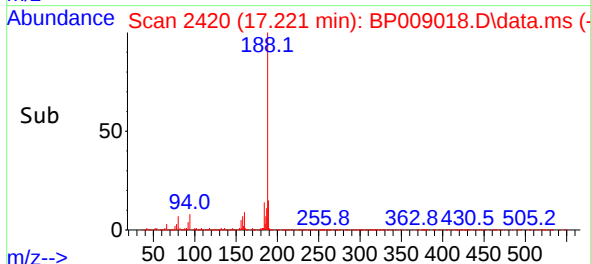
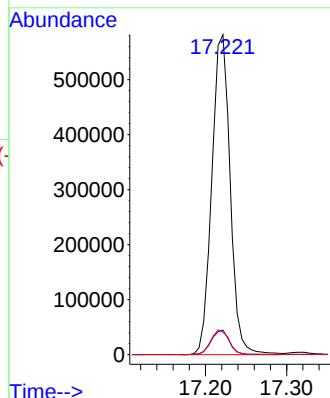
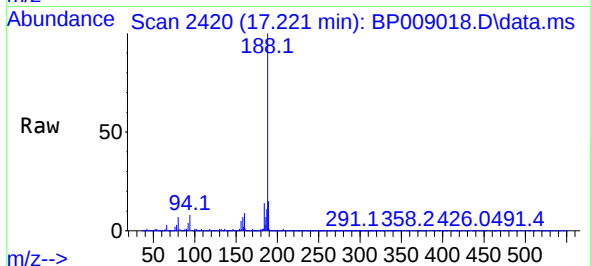
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC

Tgt Ion:188 Resp: 913664
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 7.1 7.2 10.8

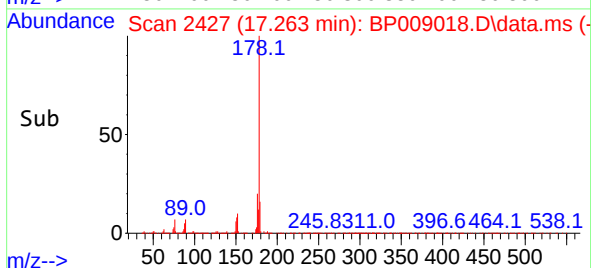
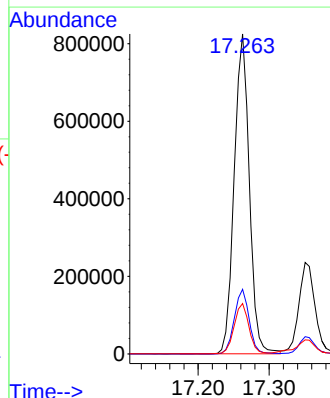
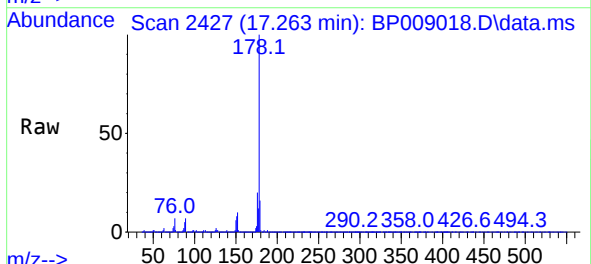
Manual Integrations
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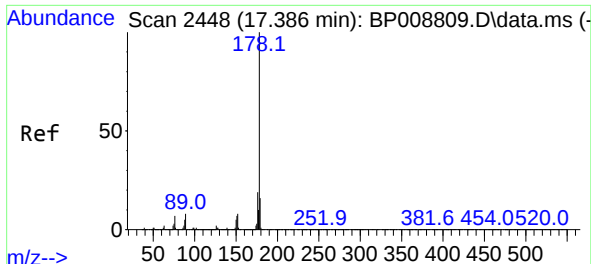
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#71
Phenanthrene
Concen: 23.743 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion:178 Resp: 1221399
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.7 13.0 19.4





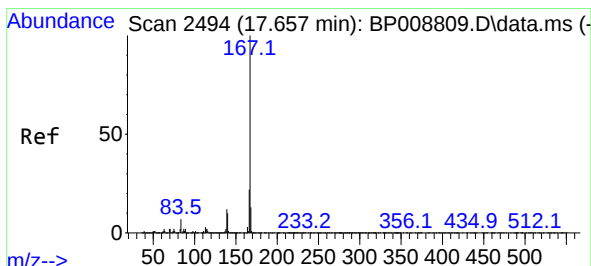
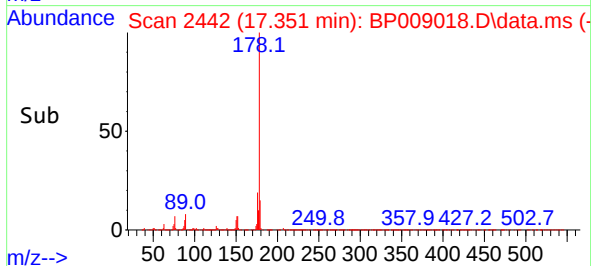
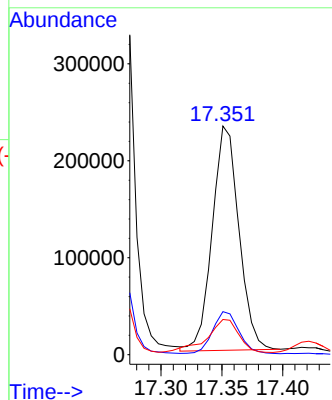
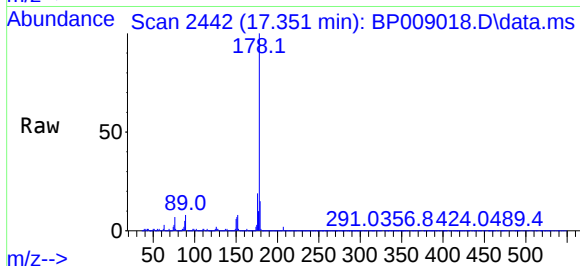
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 Anthracene
 Concen: 6.839 ng
 RT: 17.351 min Scan# 2442
 Delta R.T. -0.006 min
 Lab File: BP009018.D
 Acq: 02 Feb 2022 21:37

Instrument :
 BNA_P
 ClientSampleId :
 B-PHC

Tgt Ion:178 Resp: 352949
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.4 12.8 19.2

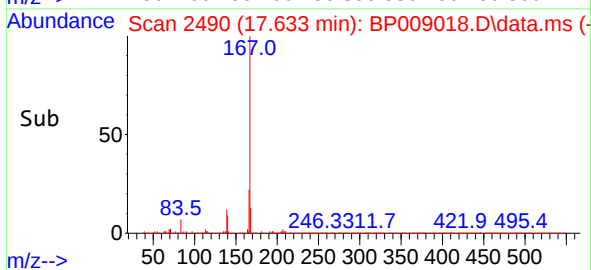
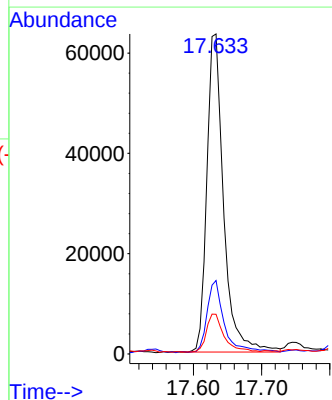
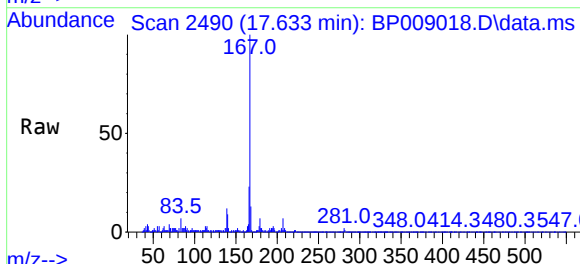
Manual Integrations
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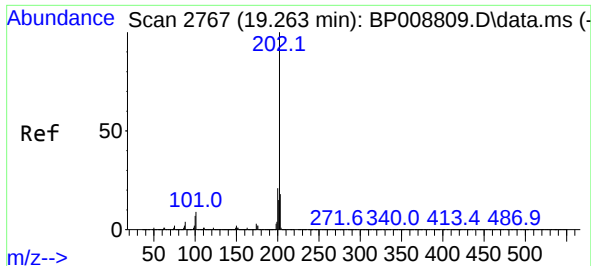
Reviewed By :Christian Giraldo 02/03/2022
 Supervised By :Jagrut Upadhyay 02/04/2022



#73
 Carbazole
 Concen: 2.447 ng
 RT: 17.633 min Scan# 2490
 Delta R.T. -0.000 min
 Lab File: BP009018.D
 Acq: 02 Feb 2022 21:37

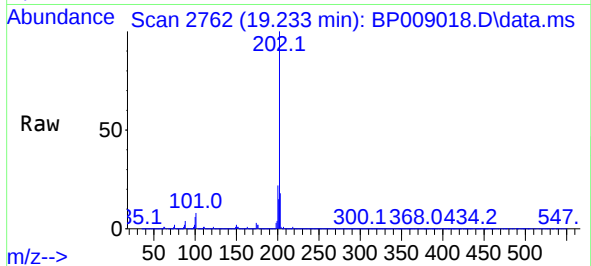
Tgt Ion:167 Resp: 108561
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.7 26.5
 139 12.4 9.8 14.6





#75
Fluoranthene
Concen: 49.426 ng
RT: 19.233 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

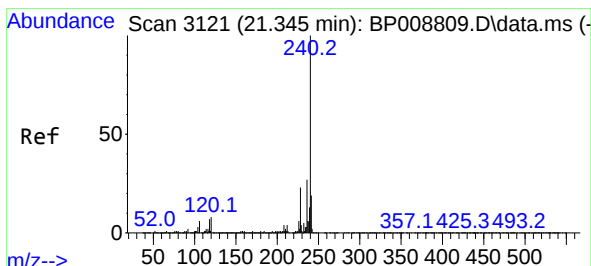
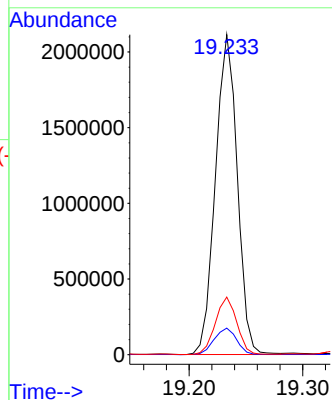
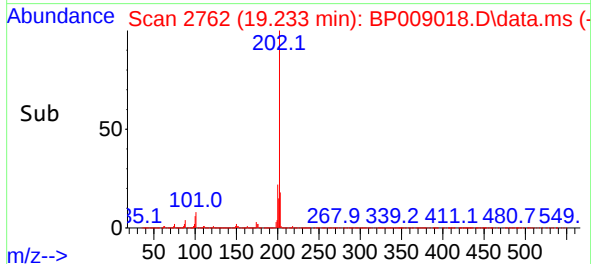
Instrument :
BNA_P
ClientSampleId :
B-PHC



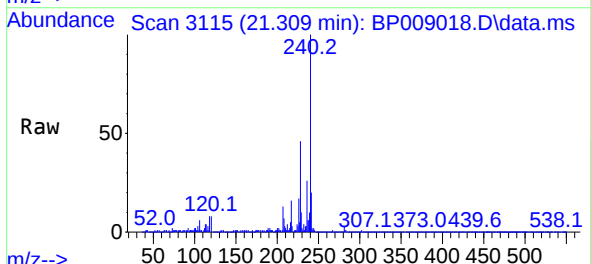
Tgt Ion:202 Resp: 2827475
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.7
203 18.0 0.0 38.9

Manual Integrations
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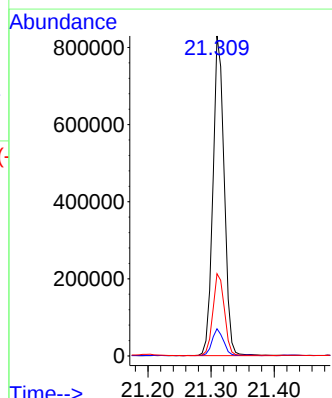
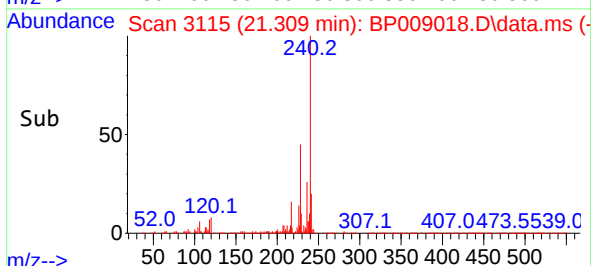
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

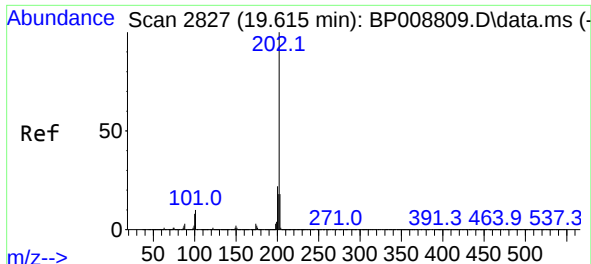


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37



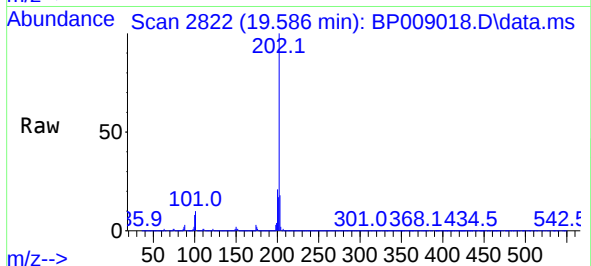
Tgt Ion:240 Resp: 1027750
Ion Ratio Lower Upper
240 100
120 8.5 7.7 11.5
236 25.7 21.2 31.8





#78
 Pyrene
 Concen: 36.772 ng
 RT: 19.586 min Scan# 2822
 Delta R.T. -0.006 min
 Lab File: BP009018.D
 Acq: 02 Feb 2022 21:37

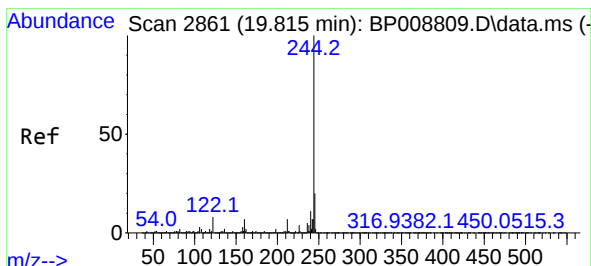
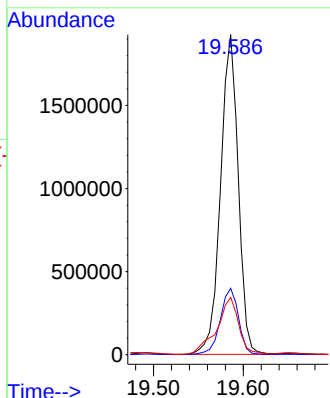
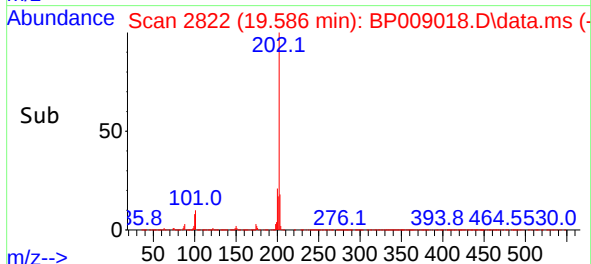
Instrument :
 BNA_P
 ClientSampleId :
 B-PHC



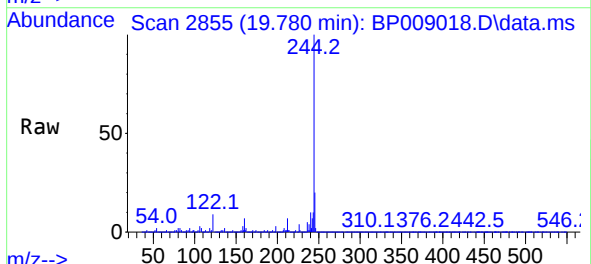
Tgt Ion:202 Resp: 263700
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.0 27.0
 203 17.9 15.0 22.6

Manual Integrations
 APPROVED

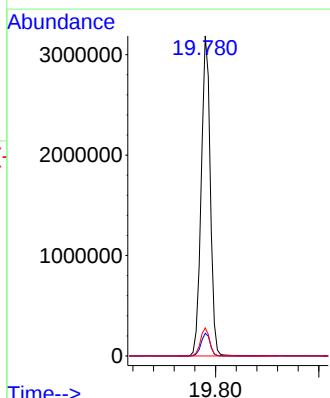
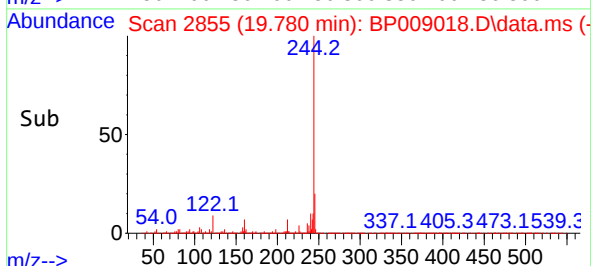
Reviewed By :Christian Giraldo 02/03/2022
 Supervised By :Jagrut Upadhyay 02/04/2022

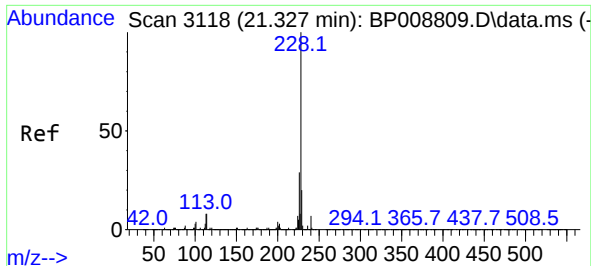


#79
 Terphenyl-d14
 Concen: 63.583 ng
 RT: 19.780 min Scan# 2855
 Delta R.T. -0.006 min
 Lab File: BP009018.D
 Acq: 02 Feb 2022 21:37



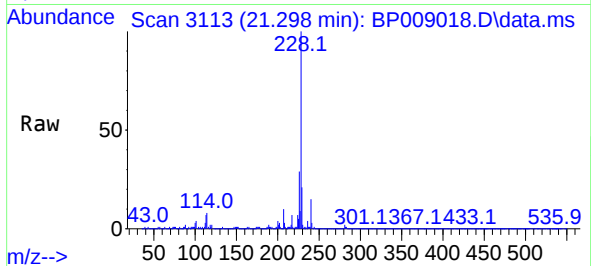
Tgt Ion:244 Resp: 3871424
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 8.8 9.2 13.8





#81
Benzo(a)anthracene
Concen: 21.813 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

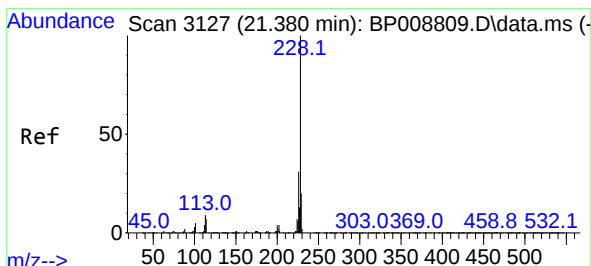
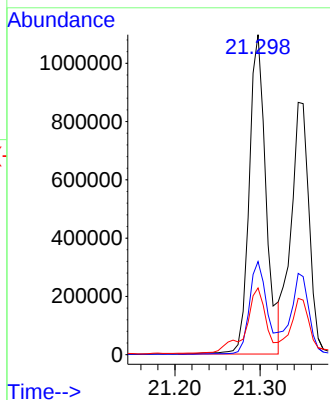
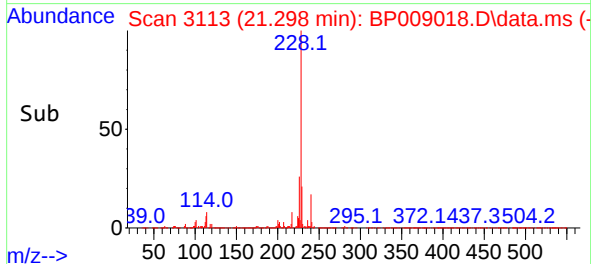
Instrument :
BNA_P
ClientSampleId :
B-PHC



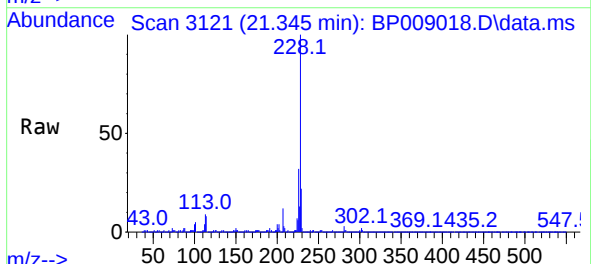
Tgt Ion:228 Resp: 1508178
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 20.9 17.0 25.6

Manual Integrations
APPROVED

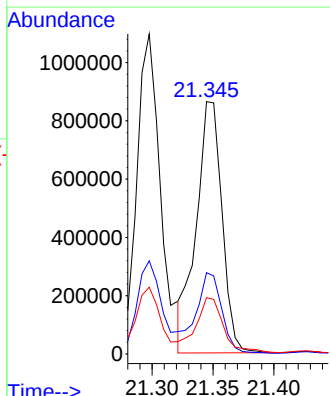
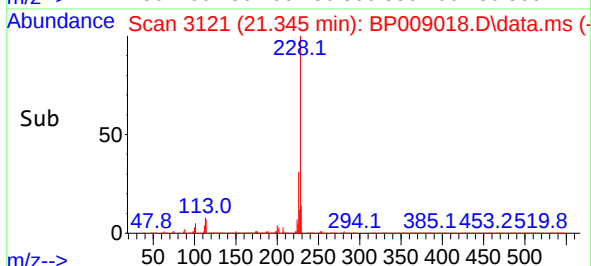
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

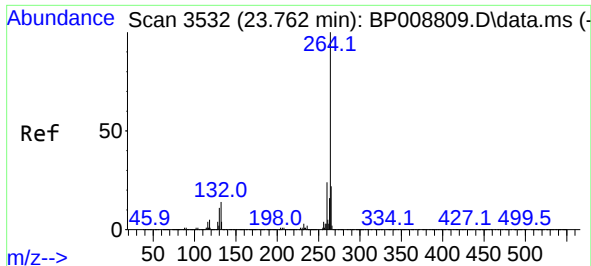


#83
Chrysene
Concen: 19.035 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37



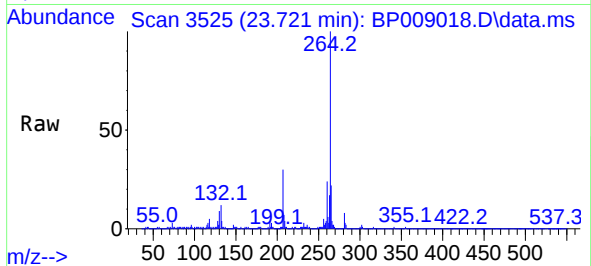
Tgt Ion:228 Resp: 1275828
Ion Ratio Lower Upper
228 100
226 32.2 26.0 39.0
229 22.4 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

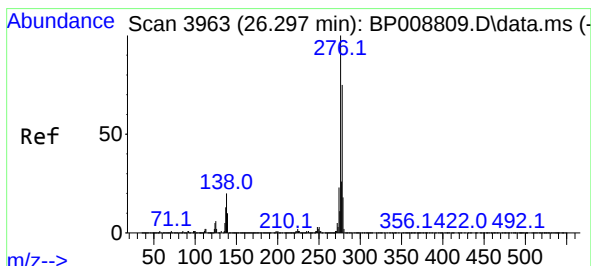
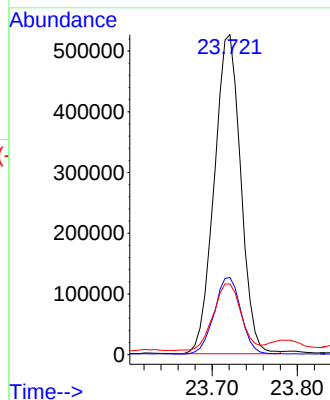
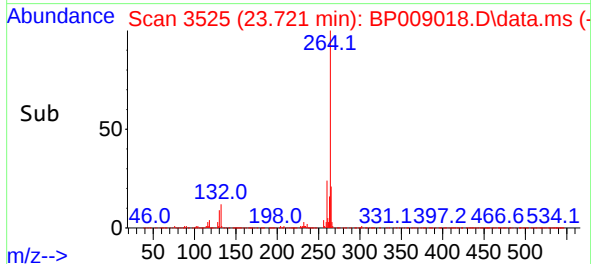
Instrument :
BNA_P
ClientSampleId :
B-PHC



Tgt Ion:264 Resp: 113566
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 22.1 17.1 25.7

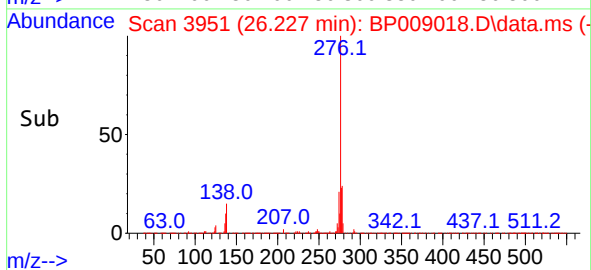
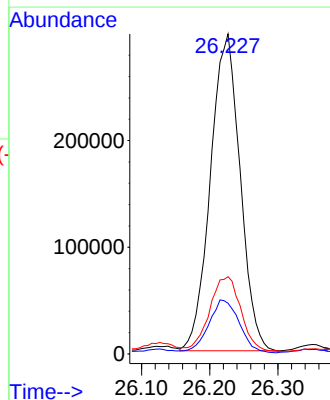
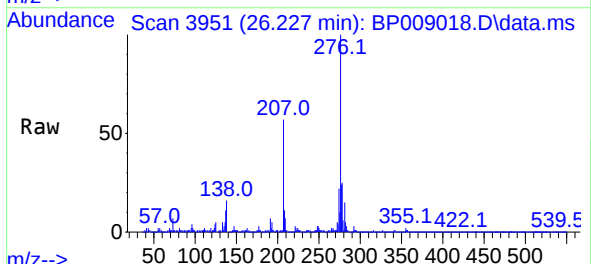
Manual Integrations
APPROVED

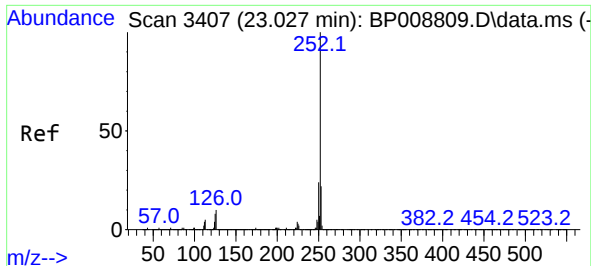
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.618 ng
RT: 26.227 min Scan# 3951
Delta R.T. -0.018 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion:276 Resp: 900061
Ion Ratio Lower Upper
276 100
138 17.2 17.8 26.6#
277 25.0 20.4 30.6





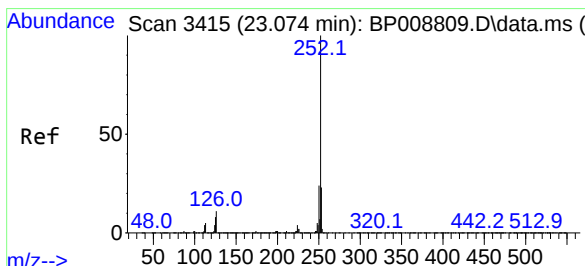
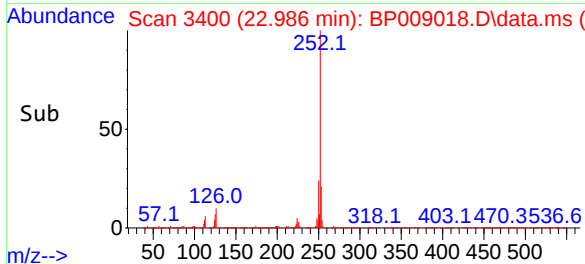
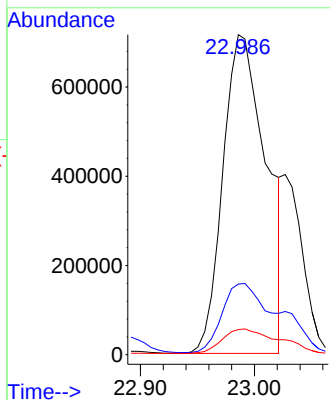
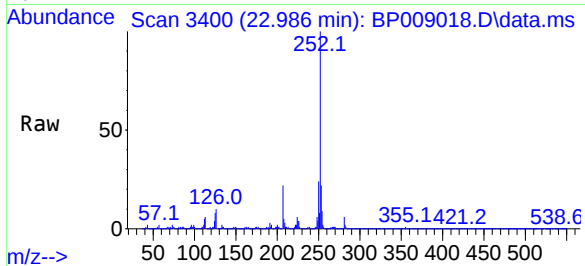
#88
Benzo(b)fluoranthene
Concen: 24.825 ng m
RT: 22.986 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC

Tgt Ion:252 Resp: 1882780
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 7.9 6.9 10.3

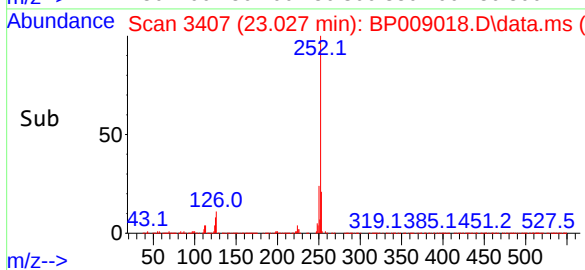
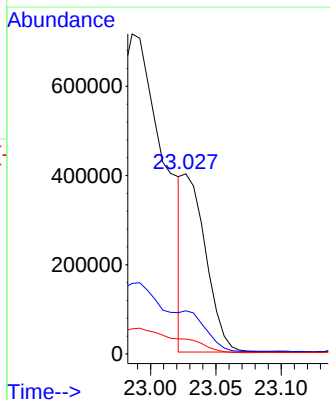
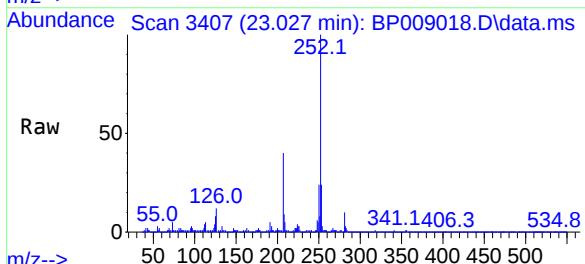
Manual Integrations
APPROVED

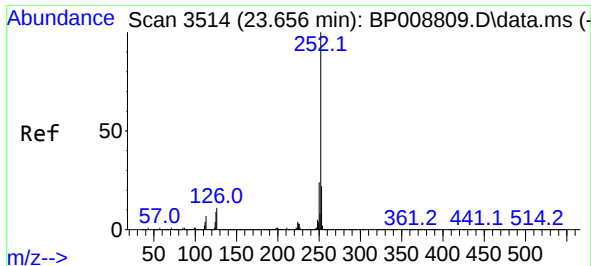
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#89
Benzo(k)fluoranthene
Concen: 6.681 ng m
RT: 23.027 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Tgt Ion:252 Resp: 490492
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 8.3 7.3 10.9





#90
Benzo(a)pyrene
Concen: 17.636 ng
RT: 23.609 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :

BNA_P

ClientSampleId :

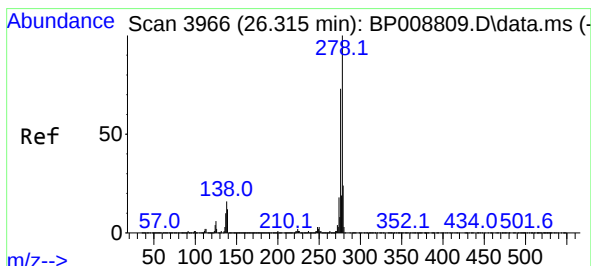
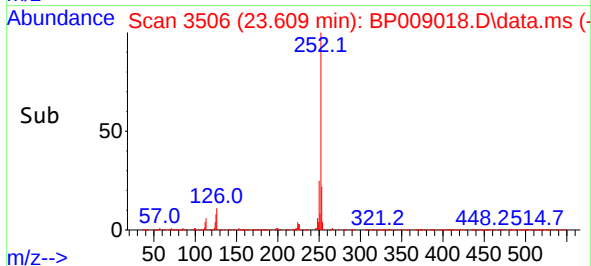
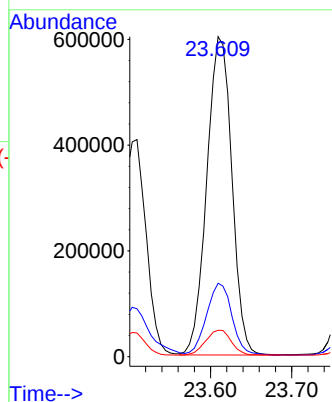
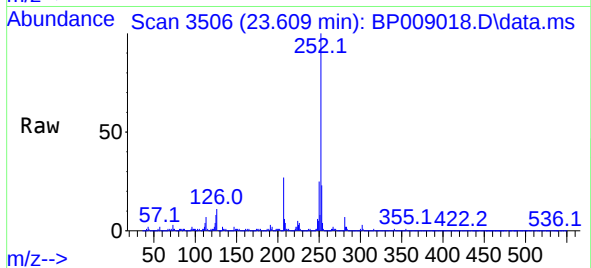
B-PHC

Tgt Ion:252 Resp: 129106
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 8.3 7.8 11.6

Manual Integrations

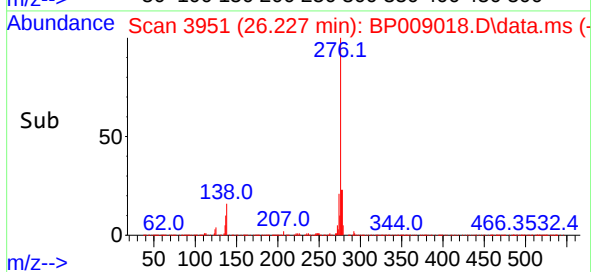
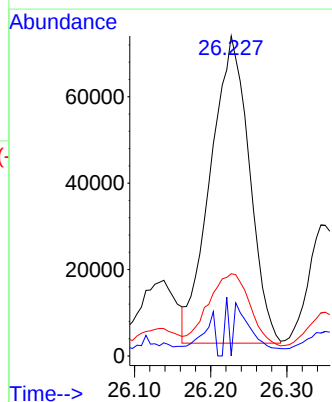
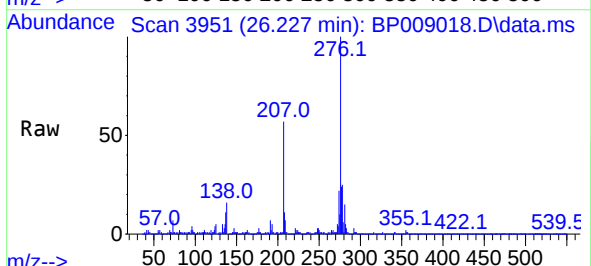
APPROVED

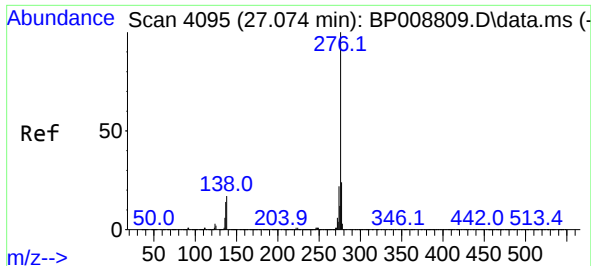
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.168 ng m
RT: 26.227 min Scan# 3951
Delta R.T. -0.030 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

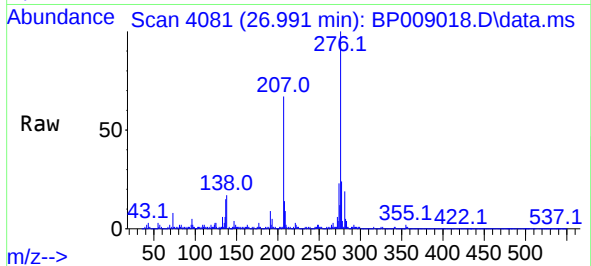
Tgt Ion:278 Resp: 252071
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3#
279 25.7 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 10.889 ng
RT: 26.991 min Scan# 40
Delta R.T. -0.024 min
Lab File: BP009018.D
Acq: 02 Feb 2022 21:37

Instrument :
BNA_P
ClientSampleId :
B-PHC



Tgt Ion: 276 Resp: 84602
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 17.5 15.0 22.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

