

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009606.D
 Acq On : 29 Mar 2022 21:53
 Operator : CG/JU
 Sample : N2157-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MHD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

Quant Time: Mar 30 04:11:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	239353	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	938714	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	590326	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1245240	20.000	ng	0.00
76) Chrysene-d12	21.286	240	1394829	20.000	ng	0.00
86) Perylene-d12	23.680	264	1551547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2242947	163.609	ng	0.00
7) Phenol-d6	6.951	99	2849559	153.700	ng	0.00
23) Nitrobenzene-d5	8.916	82	1773085	100.374	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1298268	133.273	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	4123961	96.845	ng	0.00
79) Terphenyl-d14	19.751	244	6838385	87.998	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.128	152	164461	3.073	ng	99
75) Fluoranthene	19.198	202	353145	4.376	ng	98
78) Pyrene	19.551	202	444409	4.835	ng	99
81) Benzo(a)anthracene	21.274	228	490114	5.348	ng	94
83) Chrysene	21.327	228	446664	5.147	ng	98
87) Indeno(1,2,3-cd)pyrene	26.162	276	550047	4.673	ng	# 93
88) Benzo(b)fluoranthene	22.956	252	968648	10.458	ng	99
89) Benzo(k)fluoranthene	22.998	252	508613m	5.608	ng	
90) Benzo(a)pyrene	23.574	252	777389	9.810	ng	99
92) Benzo(g,h,i)perylene	26.933	276	568238	5.888	ng	94

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

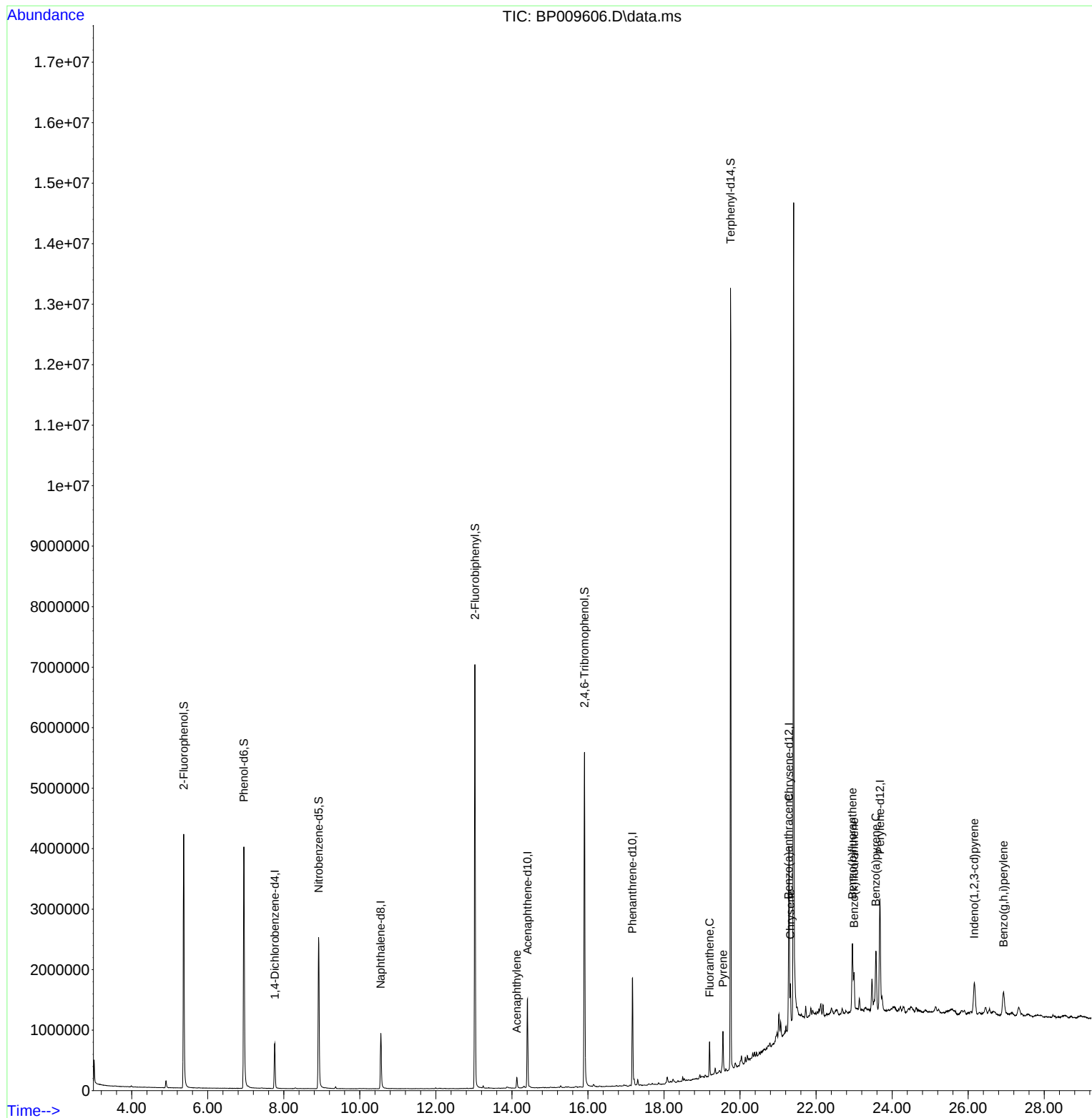
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009606.D
Acq On : 29 Mar 2022 21:53
Operator : CG/JU
Sample : N2157-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

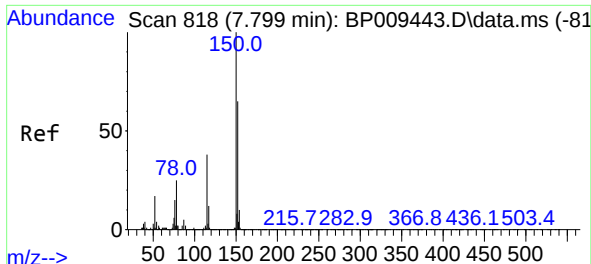
Instrument :
BNA_P
ClientSampleId :
MHD

Quant Time: Mar 30 04:11:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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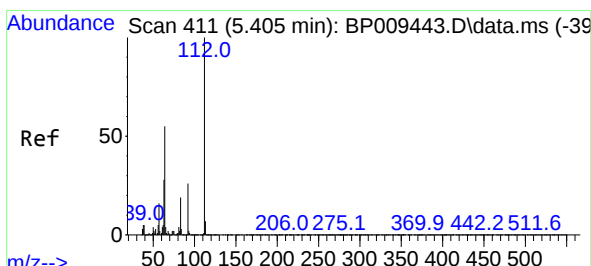
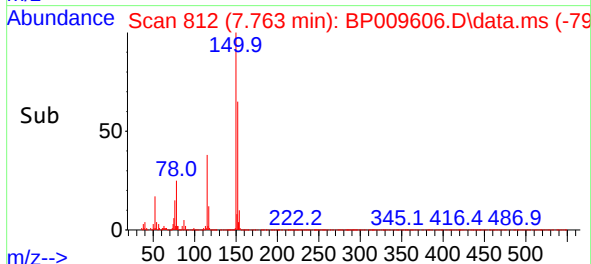
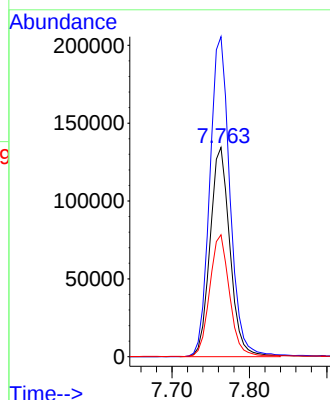
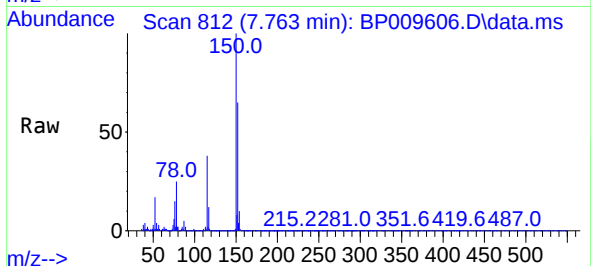
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
MHD

Tgt Ion:152 Resp: 23935
Ion Ratio Lower Upper
152 100
150 153.0 124.5 186.7
115 58.3 48.2 72.4

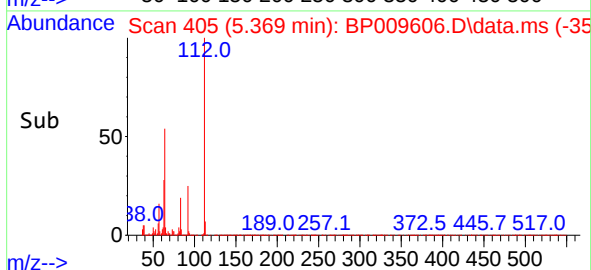
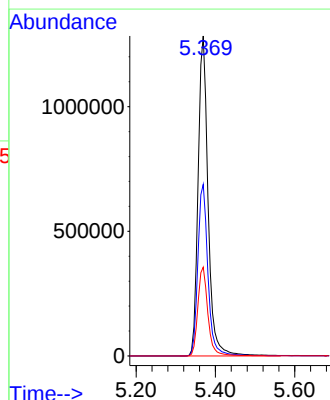
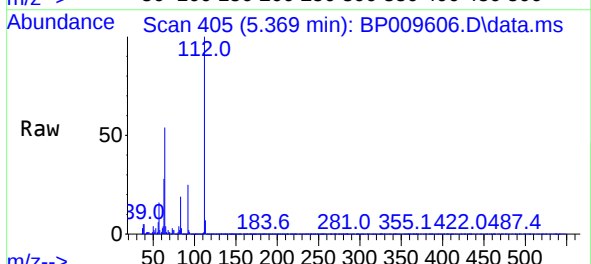
Manual Integrations
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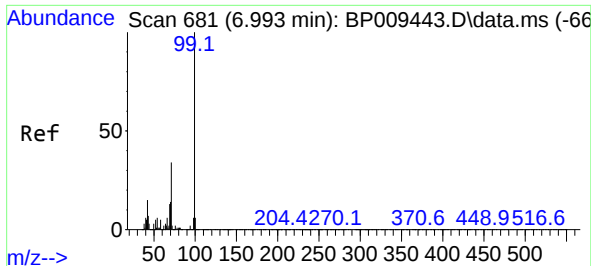
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#5
2-Fluorophenol
Concen: 163.609 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.000 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

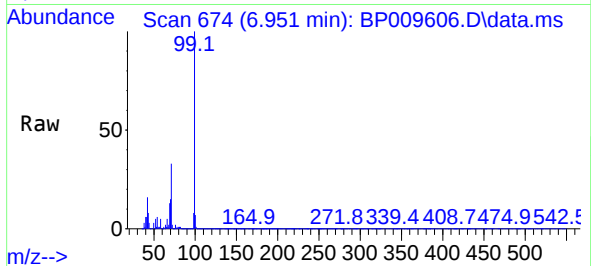
Tgt Ion:112 Resp: 2242947
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 27.8 23.0 34.6





#7
Phenol-d6
Concen: 153.700 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

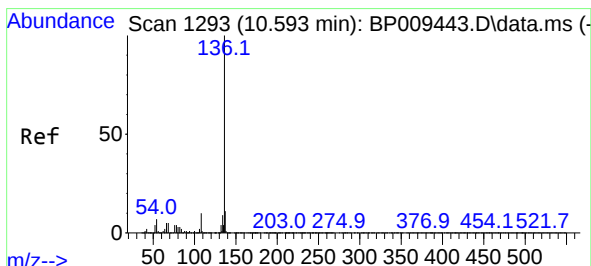
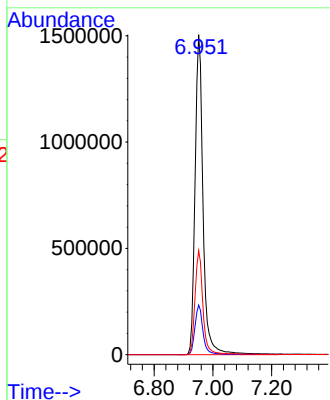
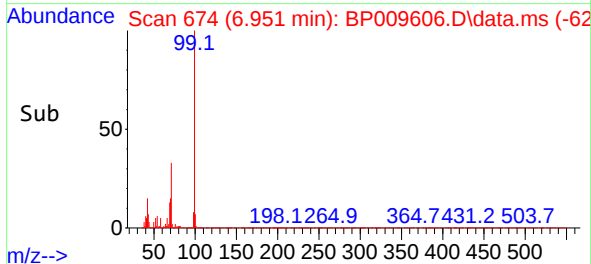
Instrument :
BNA_P
ClientSampleId :
MHD



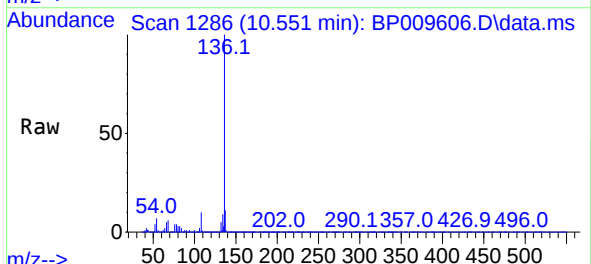
Tgt Ion: 99 Resp: 284955
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.5 26.3 39.5

Manual Integrations
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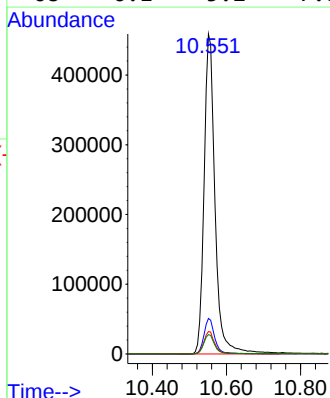
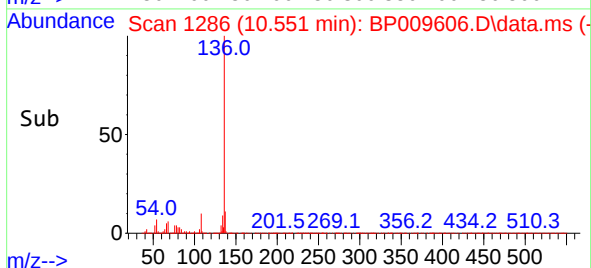
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

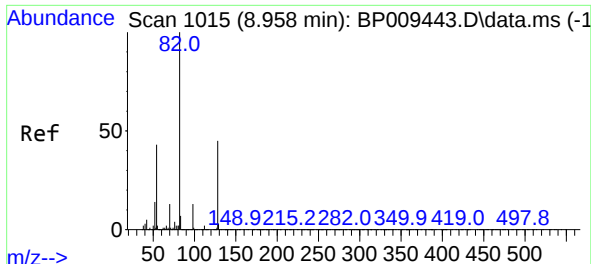


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53



Tgt Ion:136 Resp: 938714
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 7.0 5.8 8.8
68 6.1 5.2 7.8





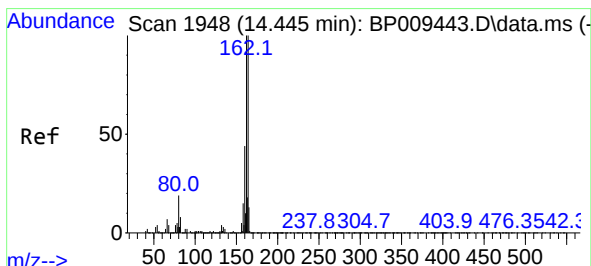
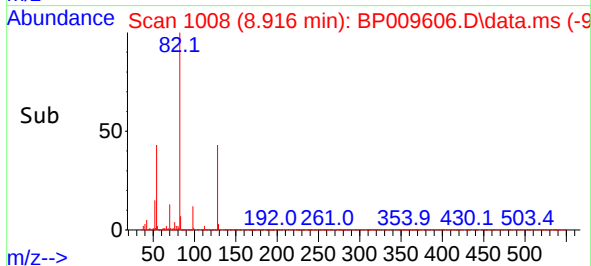
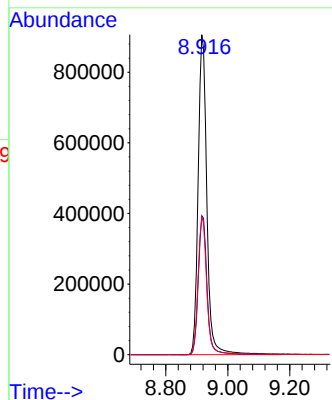
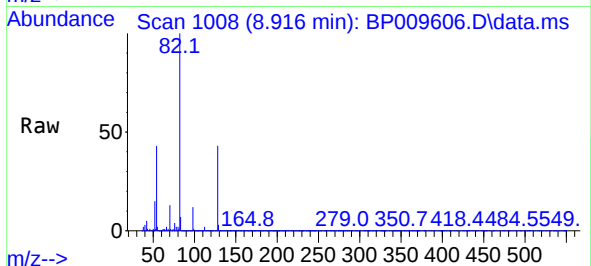
#23
Nitrobenzene-d5
Concen: 100.374 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
MHD

Tgt Ion: 82 Resp: 177308
Ion Ratio Lower Upper
82 100
128 43.4 34.2 51.4
54 43.1 34.7 52.1

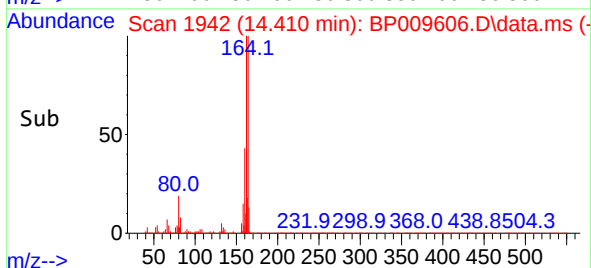
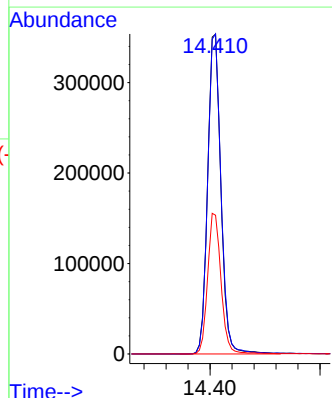
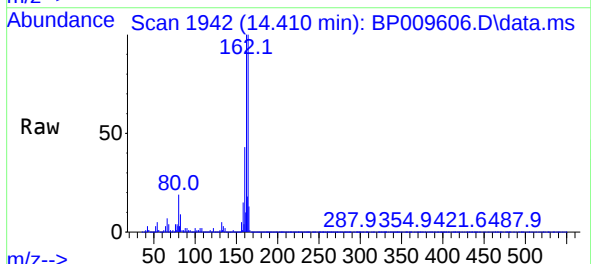
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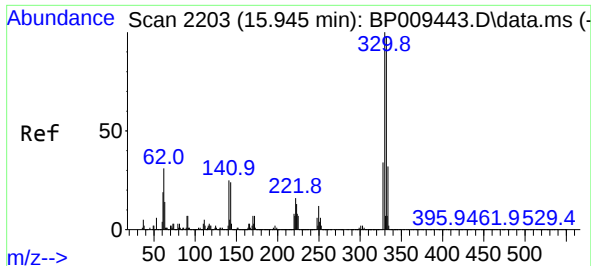
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

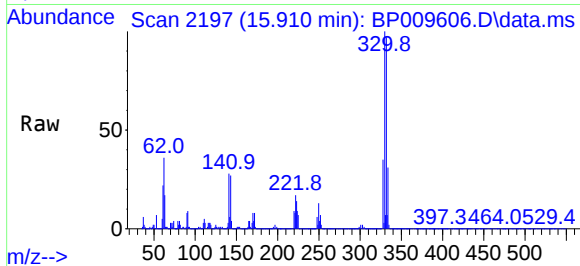
Tgt Ion:164 Resp: 590326
Ion Ratio Lower Upper
164 100
162 100.1 79.1 118.7
160 43.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 133.273 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

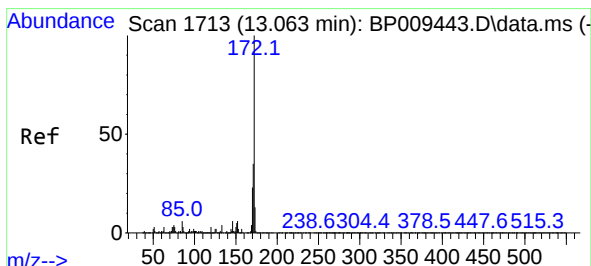
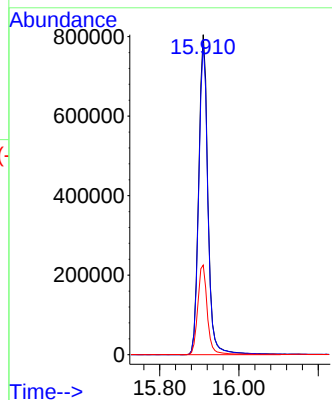
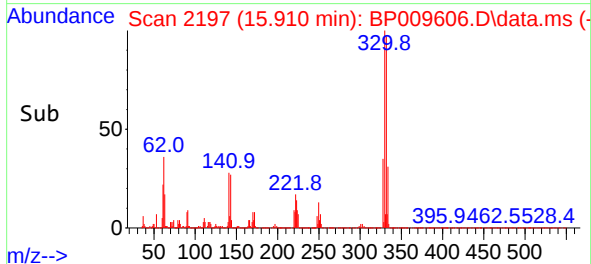
Instrument :
BNA_P
ClientSampleId :
MHD



Tgt Ion:330 Resp: 129826
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 28.9 27.6 41.4

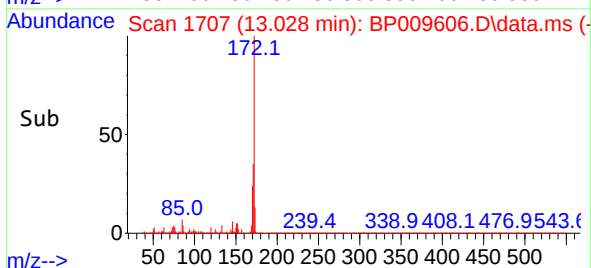
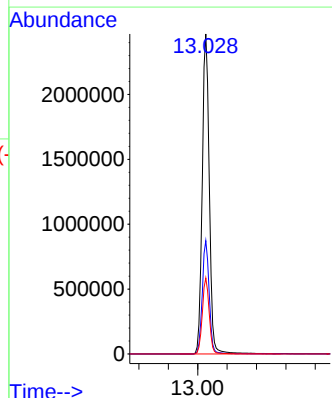
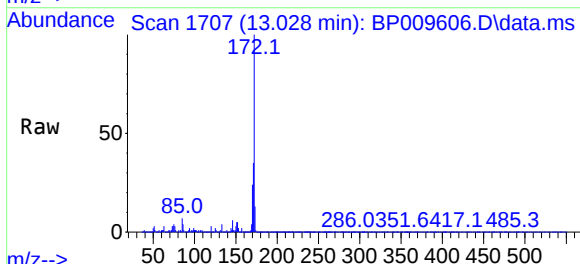
Manual Integrations
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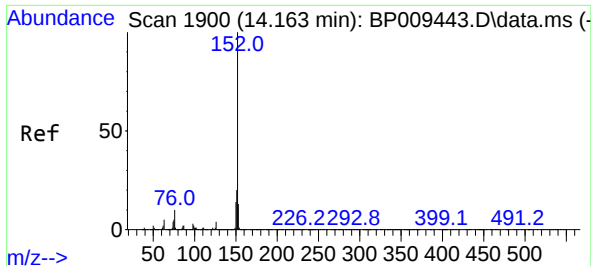
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#45
2-Fluorobiphenyl
Concen: 96.845 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

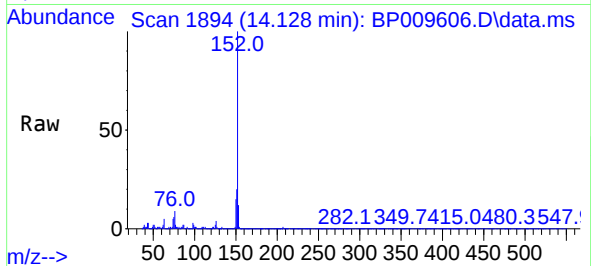
Tgt Ion:172 Resp: 4123961
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.8 18.6 27.8





#49
Acenaphthylene
Concen: 3.073 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

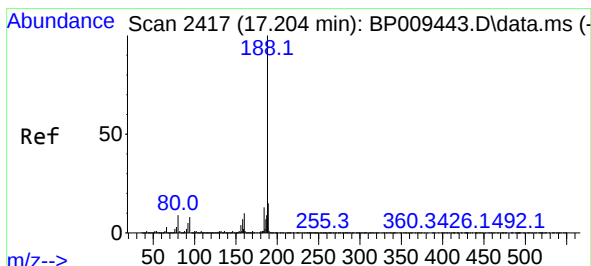
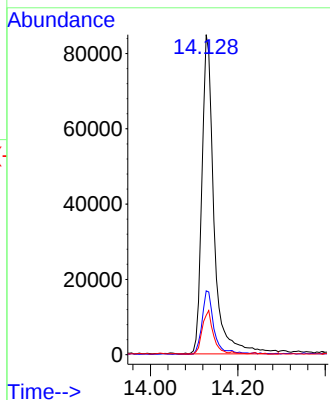
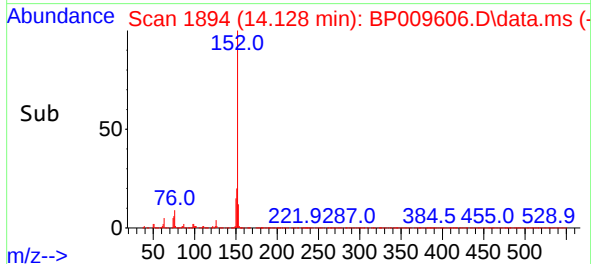
Instrument :
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MHD



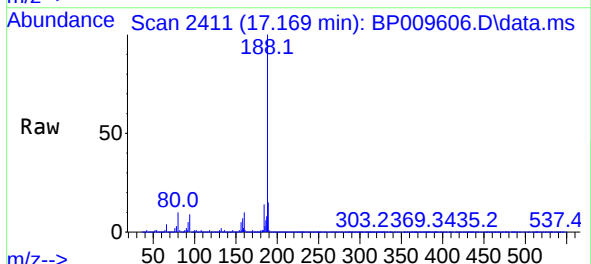
Tgt Ion:152 Resp: 16446
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 12.3 10.7 16.1

Manual Integrations
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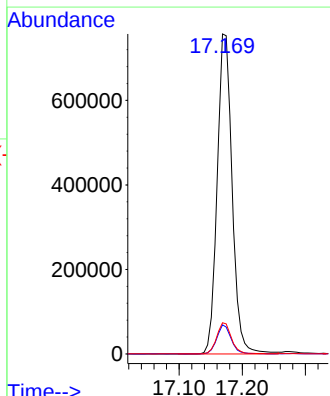
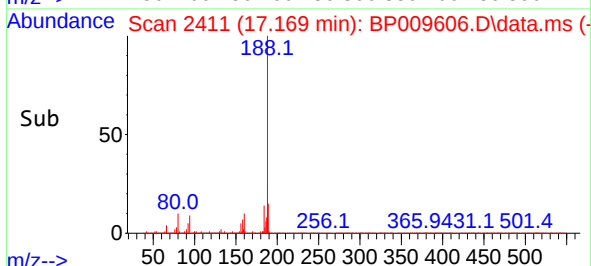
Reviewed By :Christian Giraldo 03/30/2022
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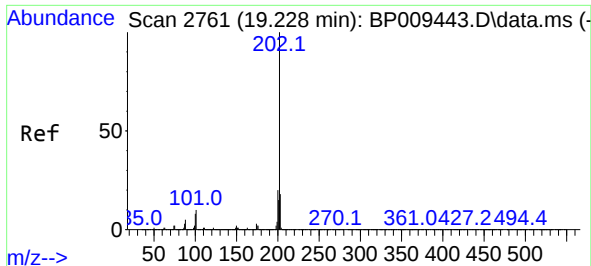


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53



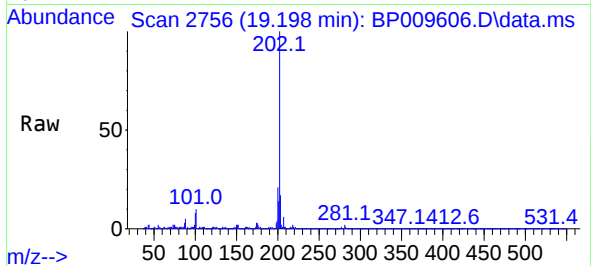
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Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 9.8 8.8 13.2





#75
Fluoranthene
Concen: 4.376 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

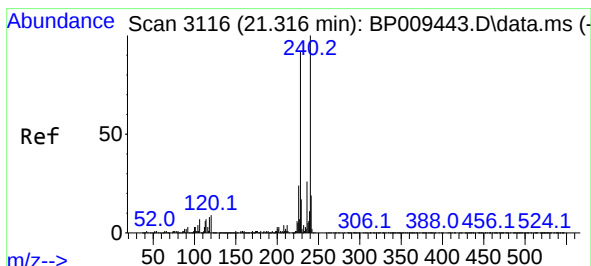
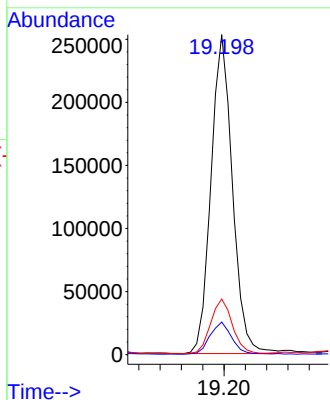
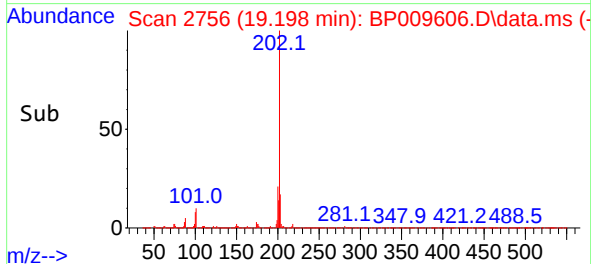
Instrument :
BNA_P
ClientSampleId :
MHD



Tgt Ion:202 Resp: 35314
Ion Ratio Lower Upper
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101 10.2 0.0 31.5
203 17.4 0.0 37.8

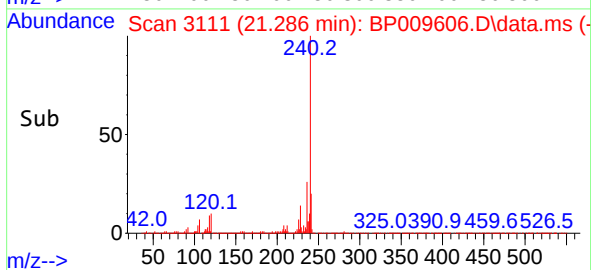
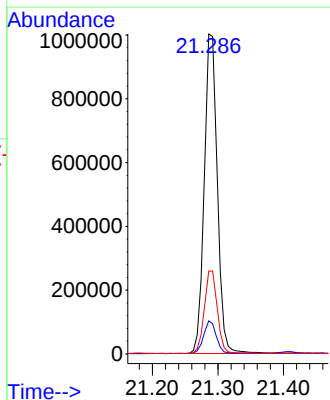
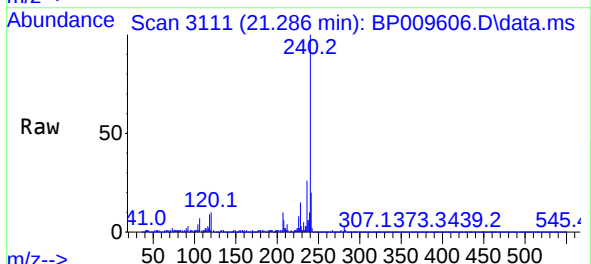
Manual Integrations
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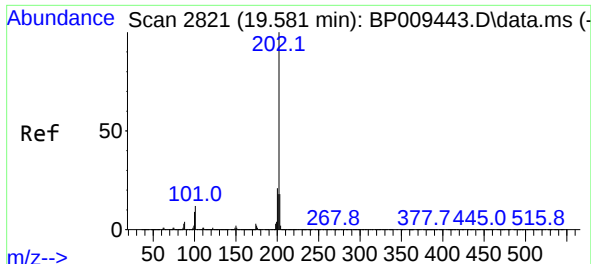
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

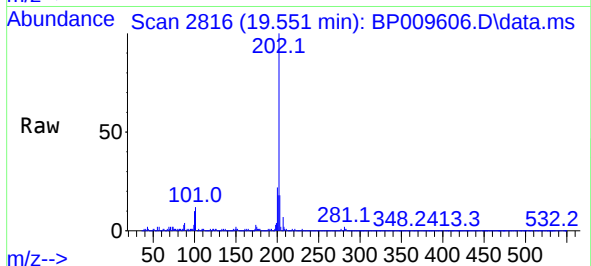
Tgt Ion:240 Resp: 1394829
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.4
236 25.9 20.6 30.8





#78
 Pyrene
 Concen: 4.835 ng
 RT: 19.551 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009606.D
 Acq: 29 Mar 2022 21:53

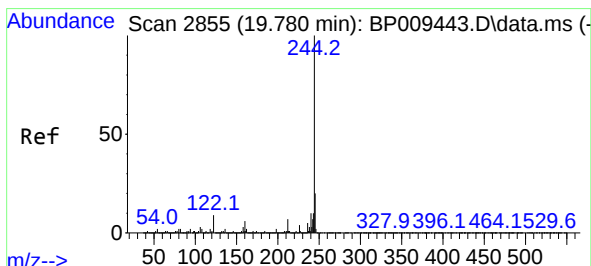
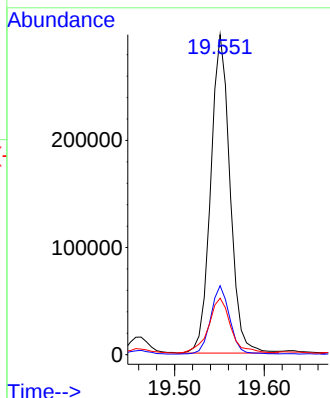
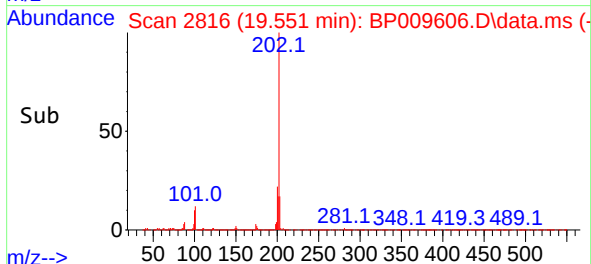
Instrument :
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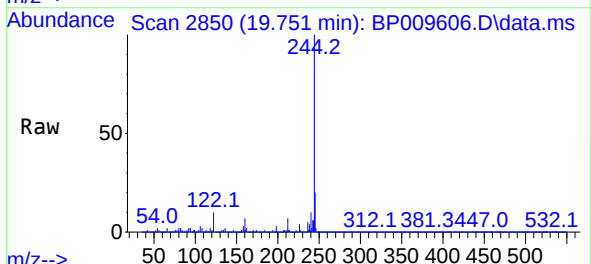
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 Ion Ratio Lower Upper
 202 100
 200 21.6 16.8 25.2
 203 17.7 14.2 21.4

Manual Integrations
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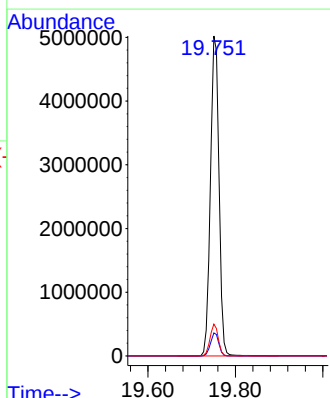
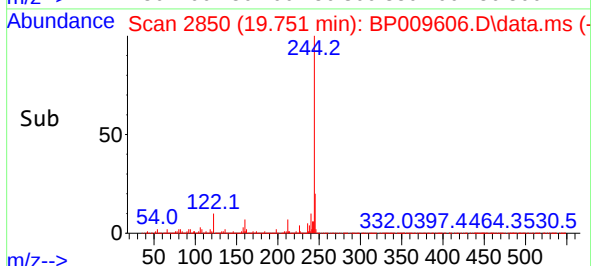
Reviewed By : Christian Giraldo 03/30/2022
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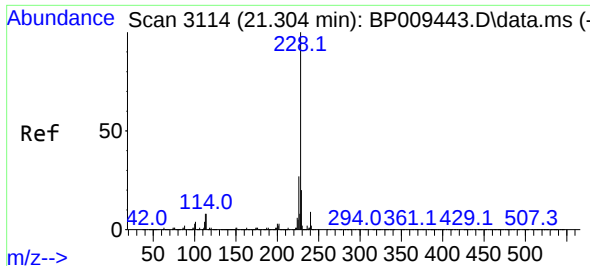


#79
 Terphenyl-d14
 Concen: 87.998 ng
 RT: 19.751 min Scan# 2850
 Delta R.T. -0.006 min
 Lab File: BP009606.D
 Acq: 29 Mar 2022 21:53



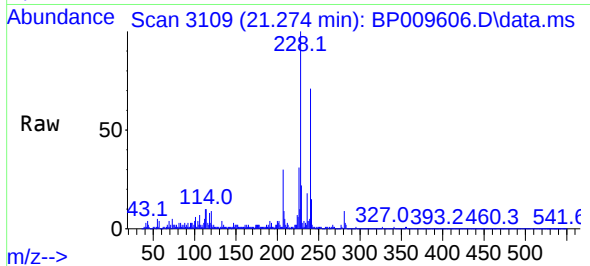
Tgt Ion: 244 Resp: 6838385
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 10.0 8.3 12.5





#81
Benzo(a)anthracene
Concen: 5.348 ng
RT: 21.274 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

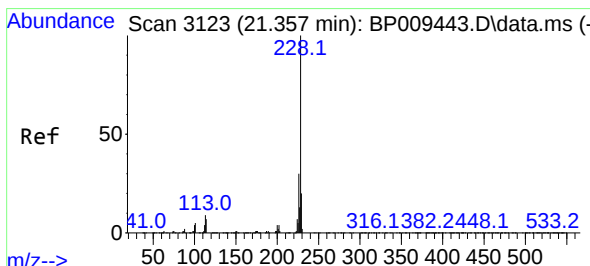
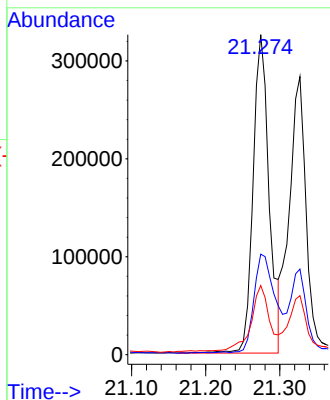
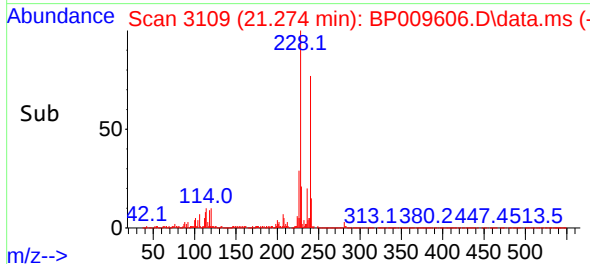
Instrument :
BNA_P
ClientSampleId :
MHD



Tgt Ion:228 Resp: 490114
Ion Ratio Lower Upper
228 100
226 31.4 22.0 33.0
229 21.6 16.1 24.1

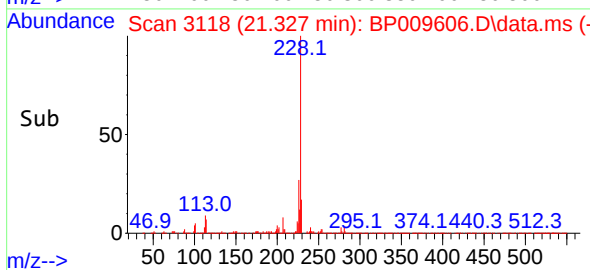
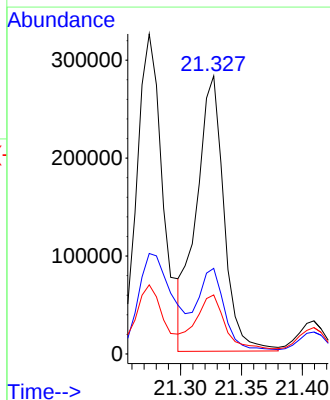
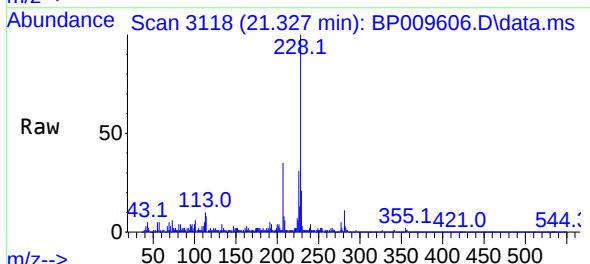
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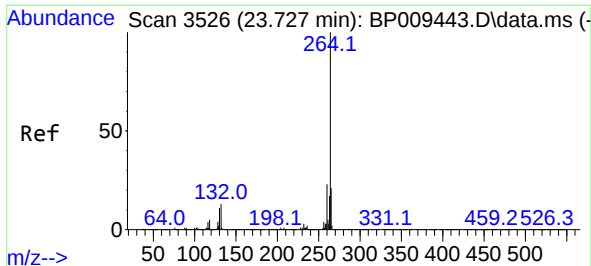
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#83
Chrysene
Concen: 5.147 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Tgt Ion:228 Resp: 446664
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 21.3 16.1 24.1





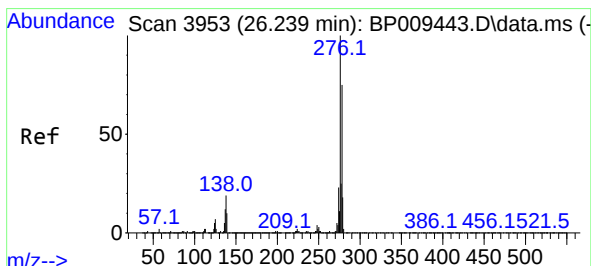
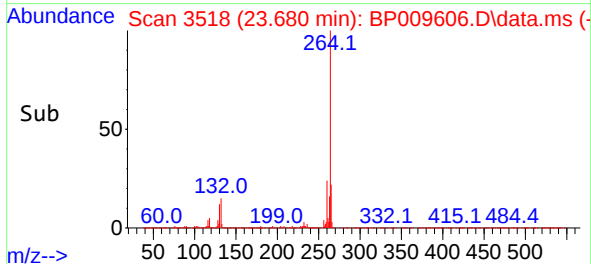
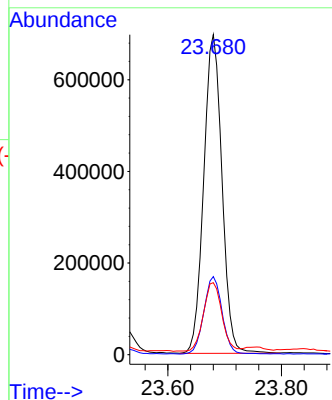
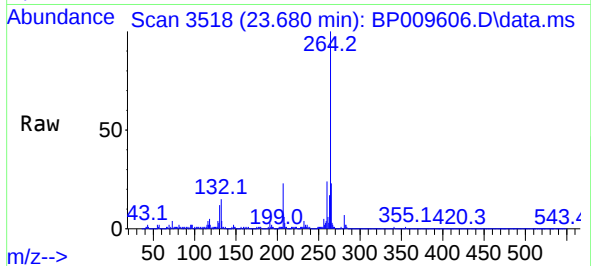
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.680 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
MHD

Tgt Ion:264 Resp: 155154
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 22.5 17.2 25.8

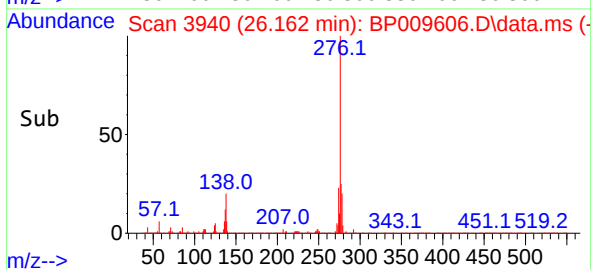
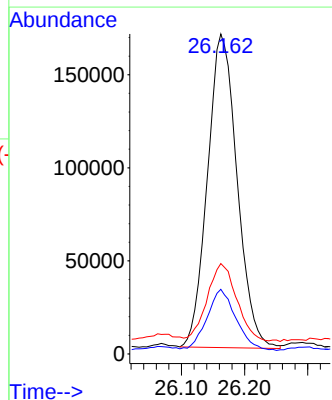
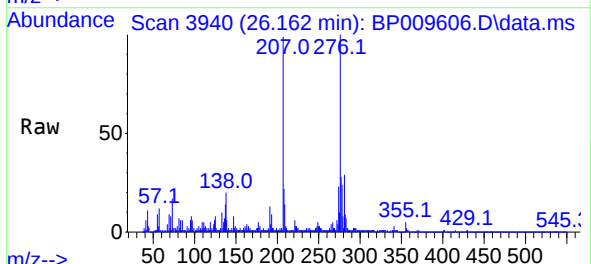
Manual Integrations
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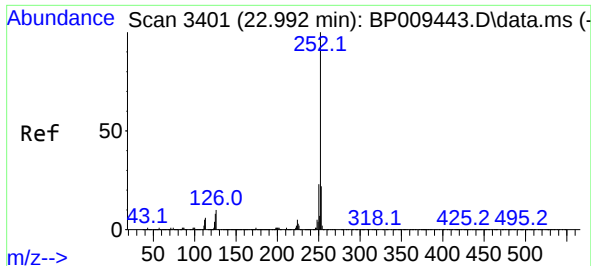
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.673 ng
RT: 26.162 min Scan# 3940
Delta R.T. -0.018 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Tgt Ion:276 Resp: 550047
Ion Ratio Lower Upper
276 100
138 19.1 20.5 30.7#
277 24.4 20.4 30.6





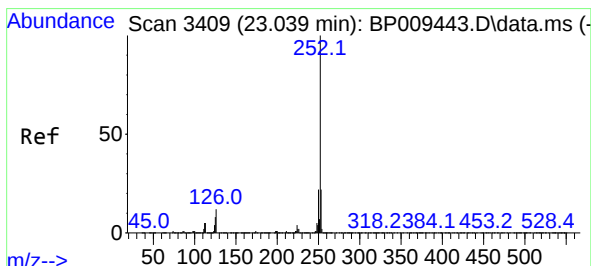
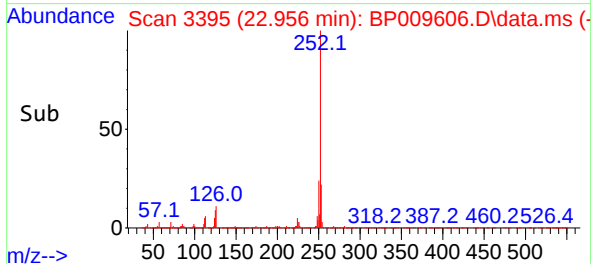
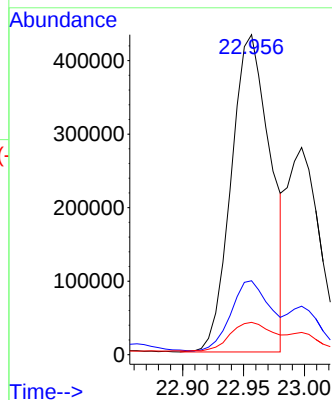
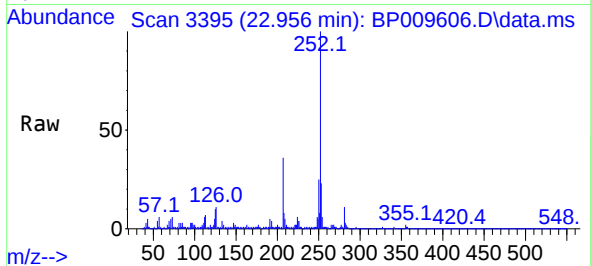
#88
Benzo(b)fluoranthene
Concen: 10.458 ng
RT: 22.956 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
MHD

Tgt Ion:252 Resp: 96864
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.1 8.1 12.1

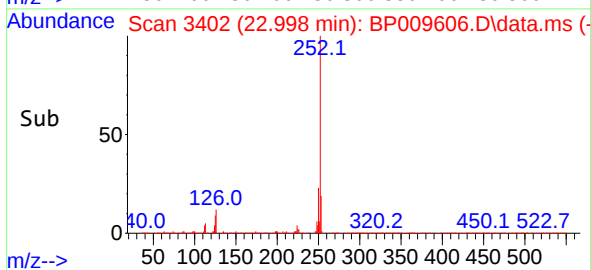
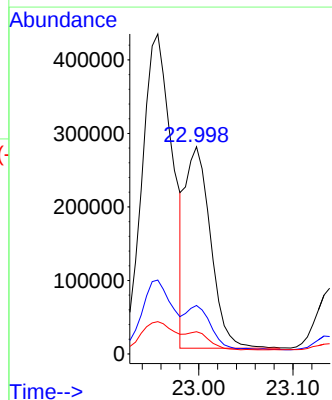
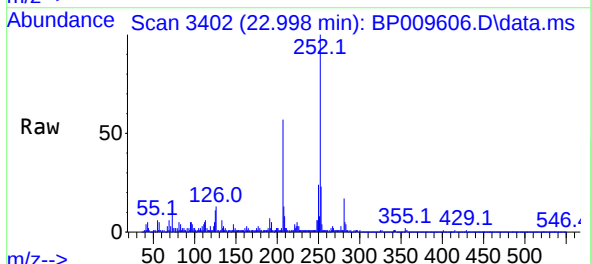
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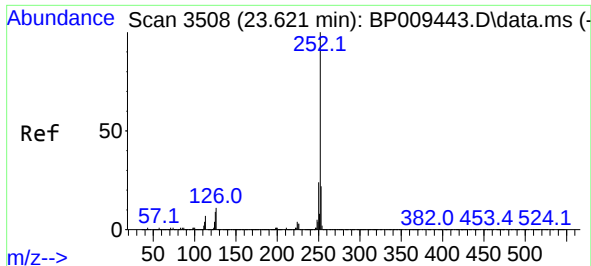
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#89
Benzo(k)fluoranthene
Concen: 5.608 ng m
RT: 22.998 min Scan# 3402
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Tgt Ion:252 Resp: 508613
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.8 8.3 12.5





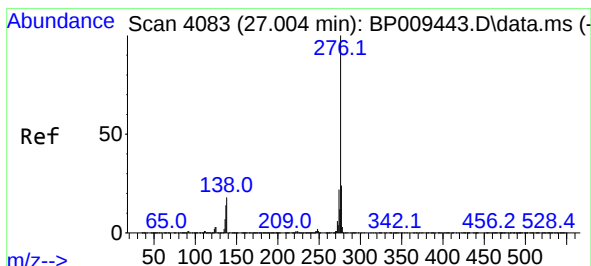
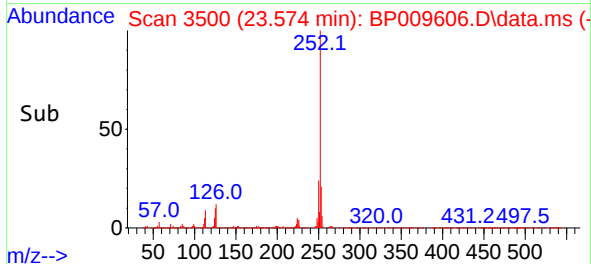
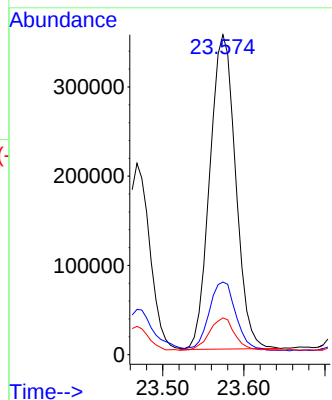
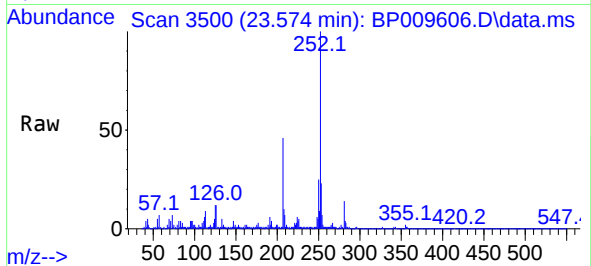
#90
Benzo(a)pyrene
Concen: 9.810 ng
RT: 23.574 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
MHD

Tgt Ion:252 Resp: 777389
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.5 9.3 13.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#92
Benzo(g,h,i)perylene
Concen: 5.888 ng
RT: 26.933 min Scan# 4071
Delta R.T. -0.012 min
Lab File: BP009606.D
Acq: 29 Mar 2022 21:53

Tgt Ion:276 Resp: 568238
Ion Ratio Lower Upper
276 100
277 27.2 19.2 28.8
138 19.4 18.0 27.0

