

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009609.D
 Acq On : 29 Mar 2022 23:33
 Operator : CG/JU
 Sample : N2095-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-03-5.0-6.0

Quant Time: Mar 30 04:11:47 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	226053	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	913990	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	581007	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1196753	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1175531	20.000	ng	0.00
86) Perylene-d12	23.686	264	1294476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1525205	117.800	ng	0.00
7) Phenol-d6	6.952	99	2006547	114.598	ng	0.00
23) Nitrobenzene-d5	8.922	82	1254315	72.927	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	926265	96.611	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3017918	72.008	ng	0.00
79) Terphenyl-d14	19.757	244	4439118	67.780	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.216	178	203323	3.174	ng	99
75) Fluoranthene	19.198	202	337915	4.357	ng	98
78) Pyrene	19.551	202	291146	3.759	ng	98
81) Benzo(a)anthracene	21.274	228	193809	2.509	ng	95
83) Chrysene	21.327	228	176793m	2.417	ng	
88) Benzo(b)fluoranthene	22.957	252	354485	4.587	ng	# 90
89) Benzo(k)fluoranthene	23.004	252	211203	2.791	ng	# 85
90) Benzo(a)pyrene	23.580	252	243238	3.679	ng	# 87
92) Benzo(g,h,i)perylene	26.945	276	168101	2.088	ng	# 88

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

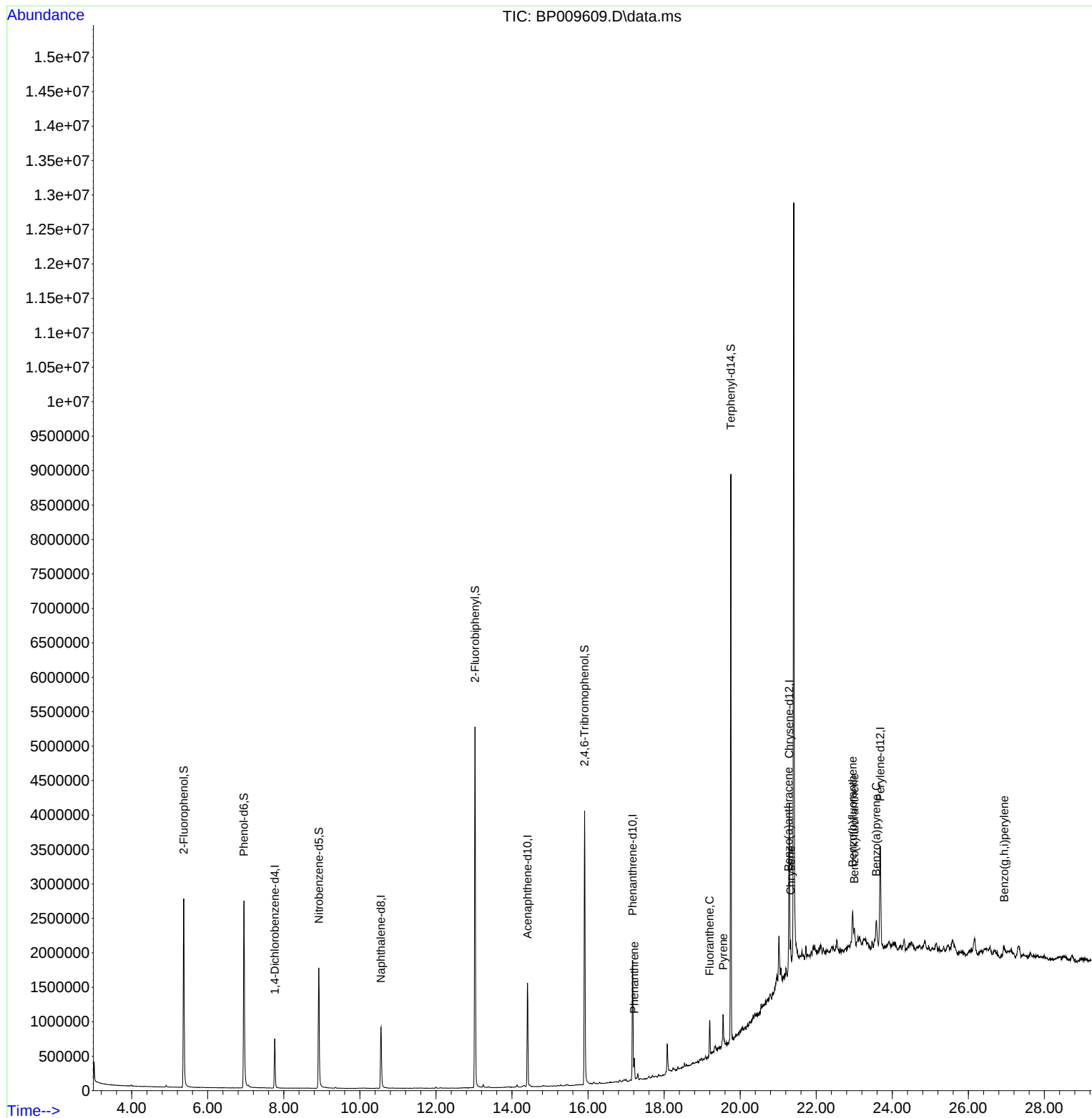
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009609.D
Acq On : 29 Mar 2022 23:33
Operator : CG/JU
Sample : N2095-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

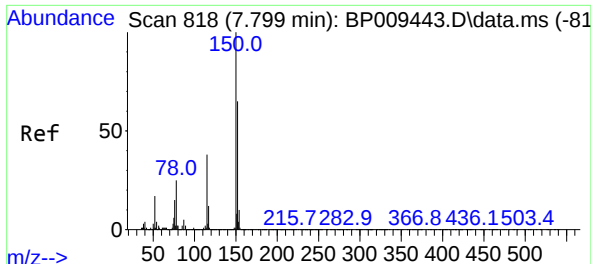
Instrument :
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ClientSampleId :
SB-03-5.0-6.0

Quant Time: Mar 30 04:11:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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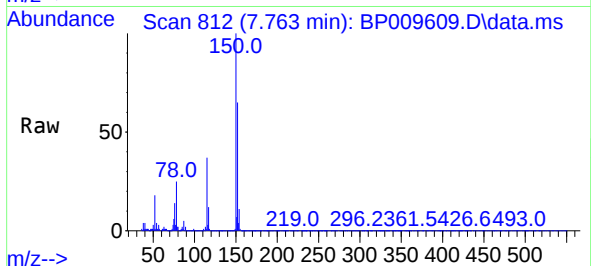
Reviewed By :Christian Giraldo 03/30/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

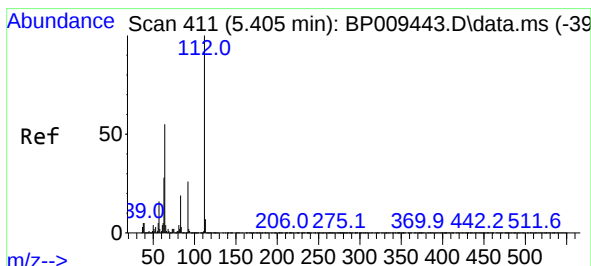
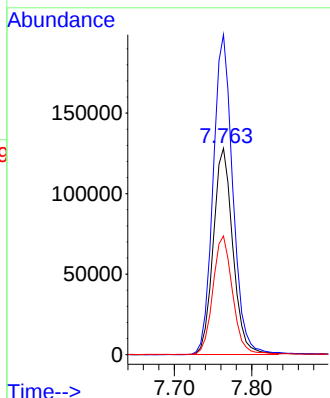
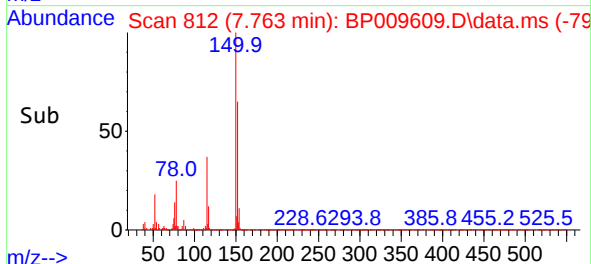
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BNA_P
ClientSampleId :
SB-03-5.0-6.0



Tgt Ion:152 Resp: 22605
Ion Ratio Lower Upper
152 100
150 155.0 124.5 186.7
115 57.5 48.2 72.4

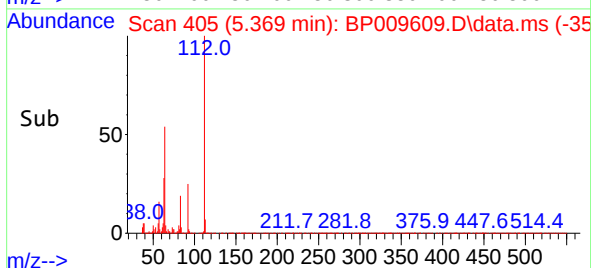
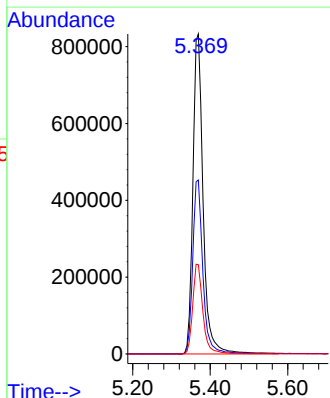
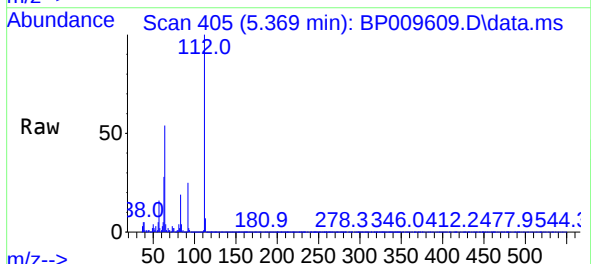
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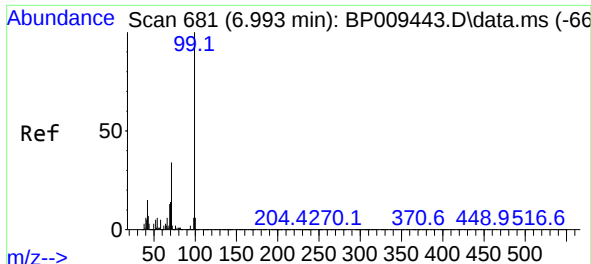
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#5
2-Fluorophenol
Concen: 117.800 ng
RT: 5.369 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

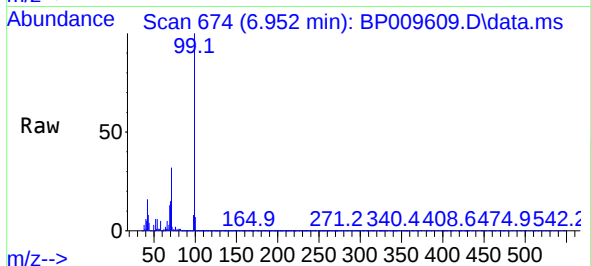
Tgt Ion:112 Resp: 1525205
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 27.9 23.0 34.6





Phenol-d6
Concen: 114.598 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

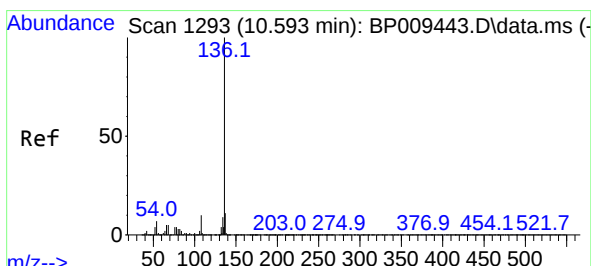
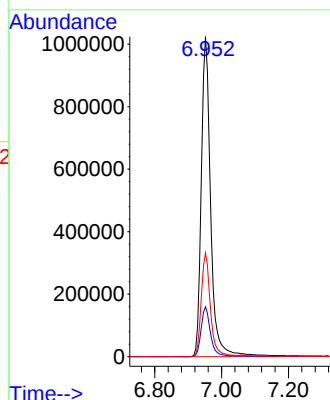
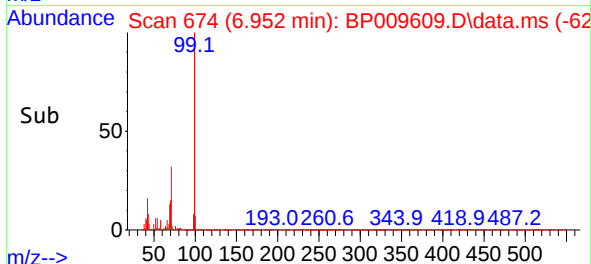
Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0



Tgt Ion: 99 Resp: 200654
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.4 26.3 39.5

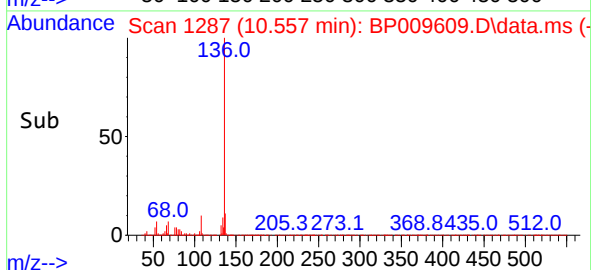
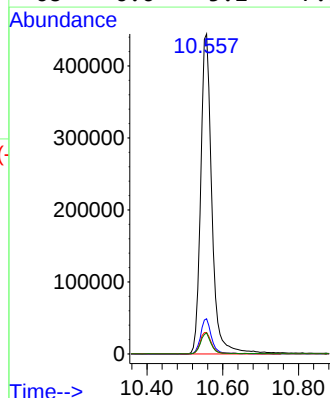
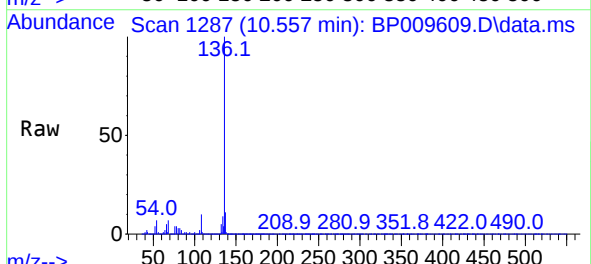
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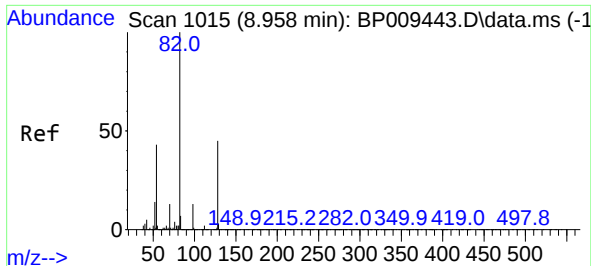
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Tgt Ion:136 Resp: 913990
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.7 5.8 8.8
68 6.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 72.927 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :

BNP_P

ClientSampleId :

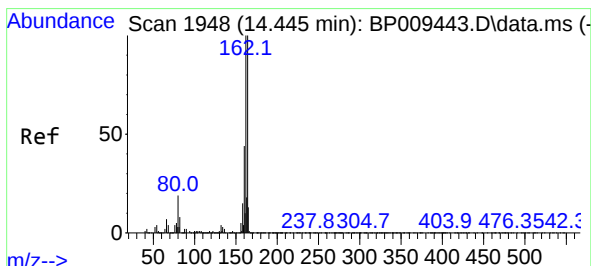
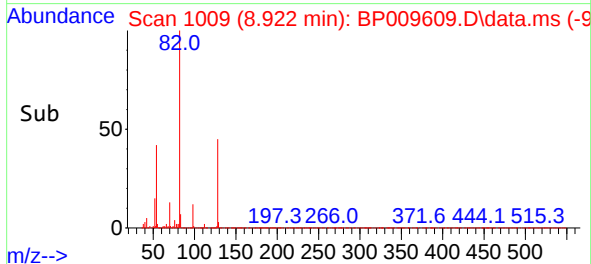
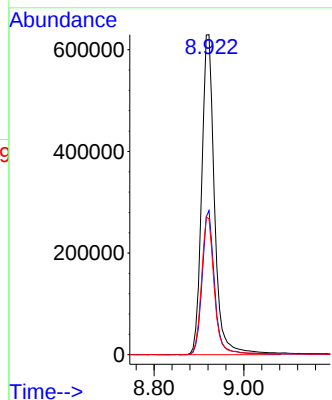
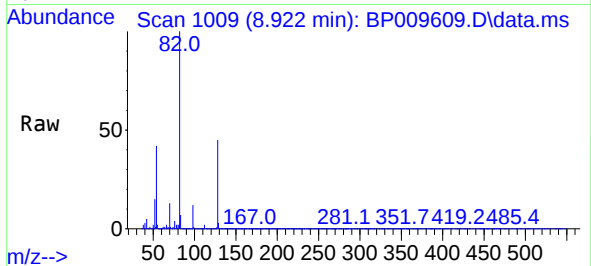
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Tgt Ion: 82 Resp: 125431
Ion Ratio Lower Upper
82 100
128 45.0 34.2 51.4
54 42.5 34.7 52.1

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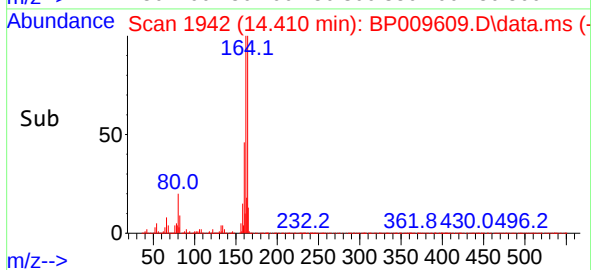
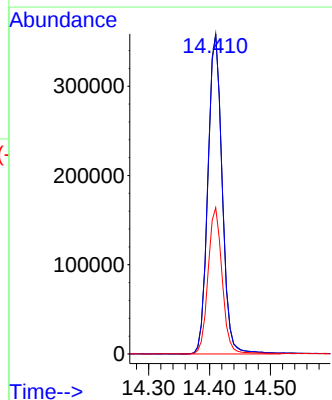
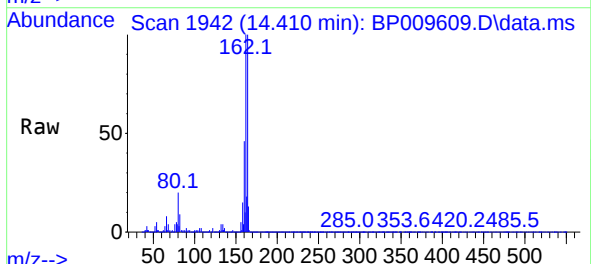
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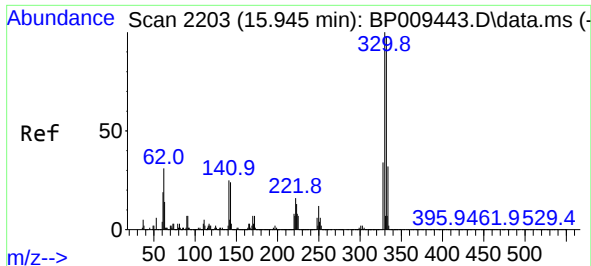
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Tgt Ion:164 Resp: 581007
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 45.7 34.9 52.3





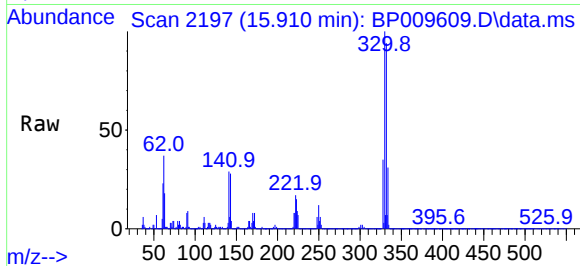
#42
2,4,6-Tribromophenol
Concen: 96.611 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :

BNA_P

ClientSampleId :

SB-03-5.0-6.0

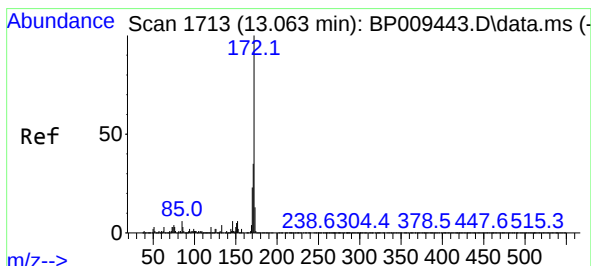
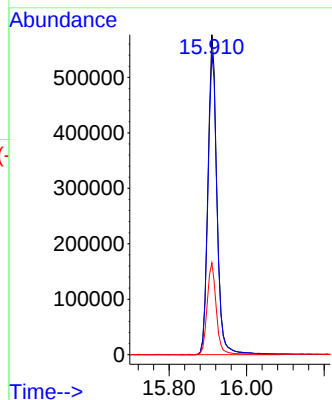
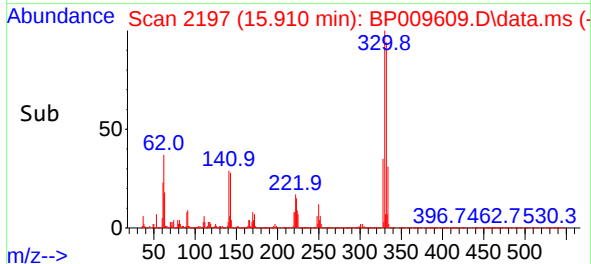


Tgt Ion:330 Resp: 92626
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 29.0 27.6 41.4

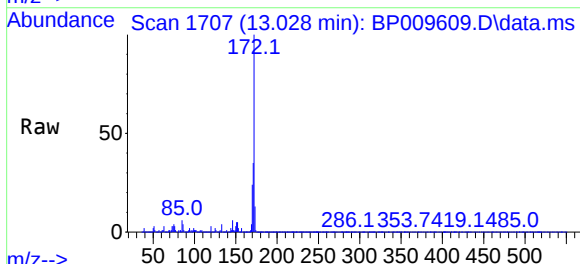
Manual Integrations

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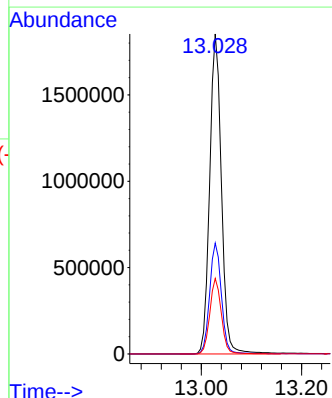
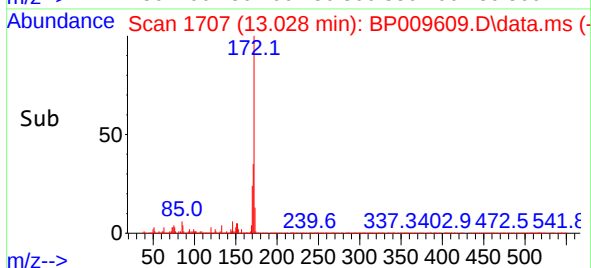
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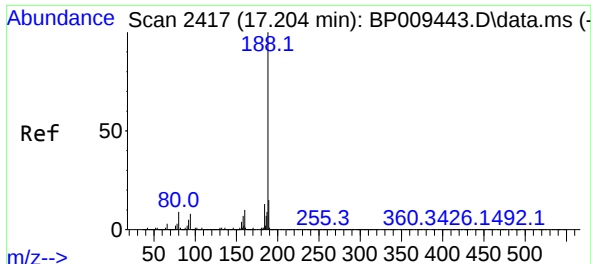


#45
2-Fluorobiphenyl
Concen: 72.008 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33



Tgt Ion:172 Resp: 3017918
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.6 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :

BNA_P

ClientSampleId :

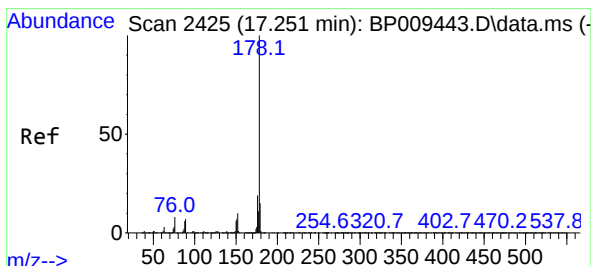
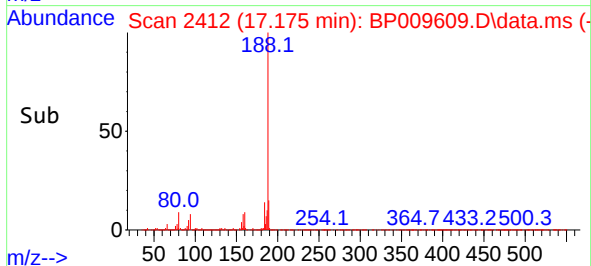
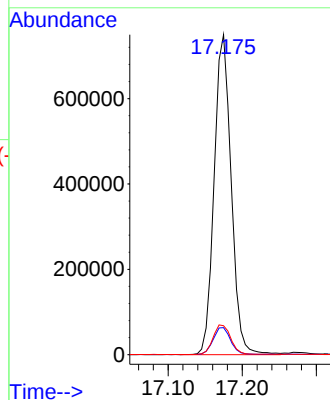
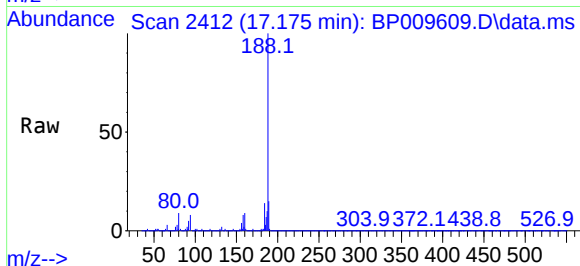
SB-03-5.0-6.0

Tgt Ion:188 Resp: 119675
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.1 8.8 13.2

Manual Integrations

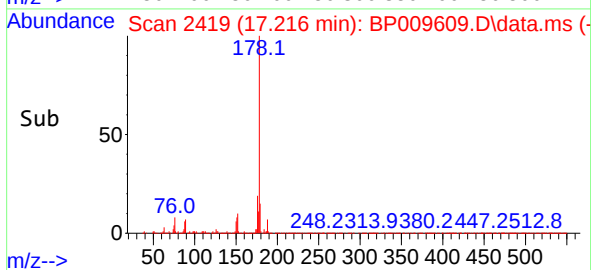
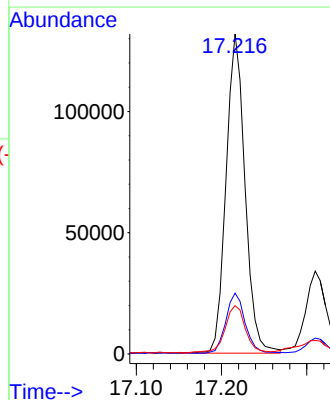
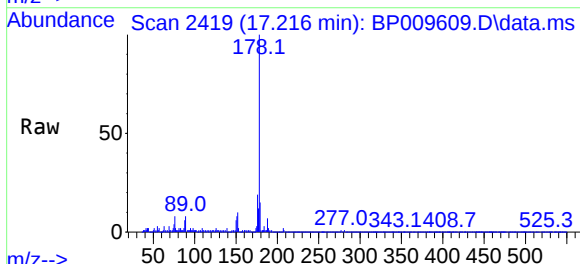
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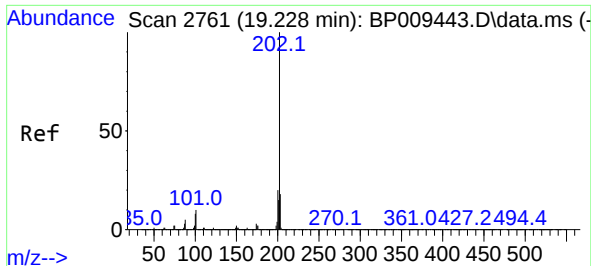
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#71
Phenanthrene
Concen: 3.174 ng
RT: 17.216 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Tgt Ion:178 Resp: 203323
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.1 12.3 18.5





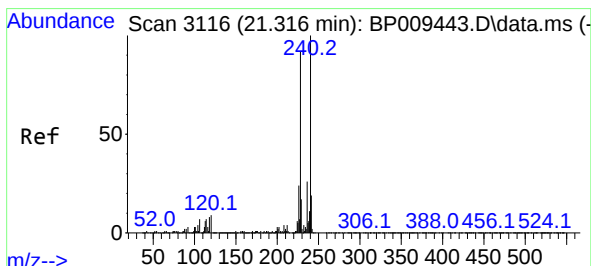
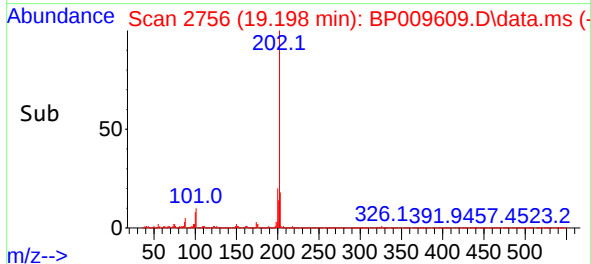
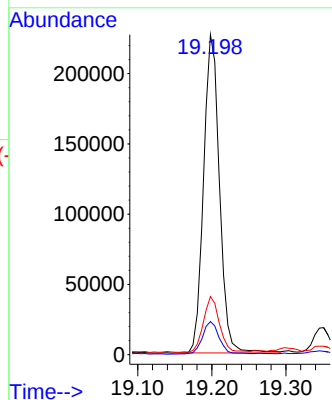
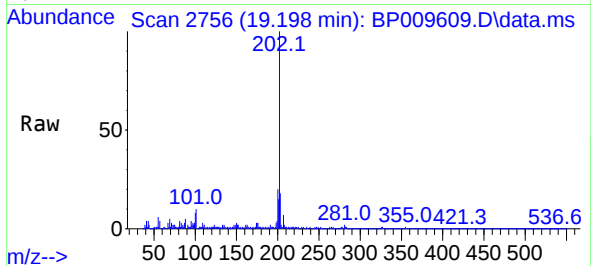
#75
Fluoranthene
Concen: 4.357 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0

Tgt Ion:202 Resp: 337915
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.5
203 18.2 0.0 37.8

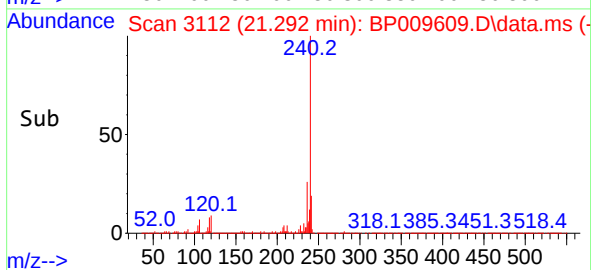
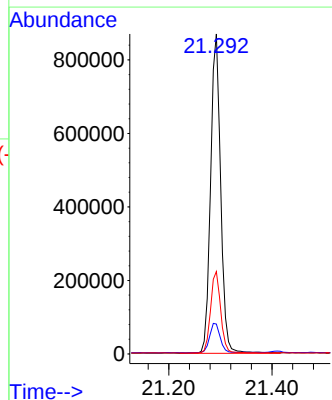
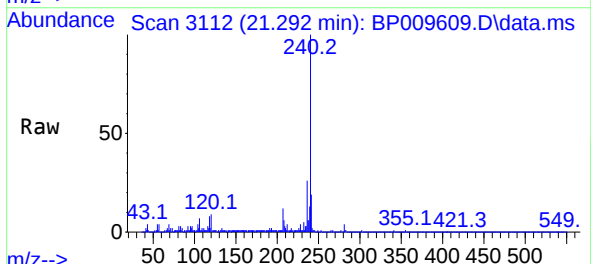
Manual Integrations
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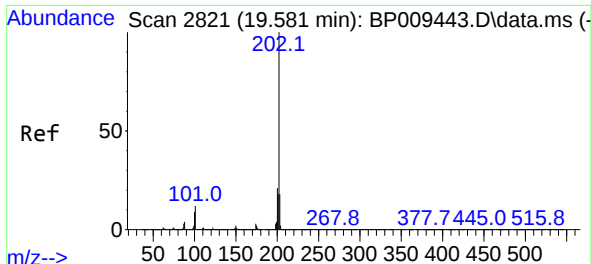
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Tgt Ion:240 Resp: 1175531
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 25.8 20.6 30.8





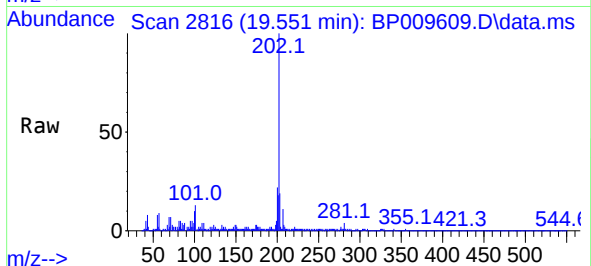
#78
Pyrene
Concen: 3.759 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :

BNA_P

ClientSampleId :

SB-03-5.0-6.0

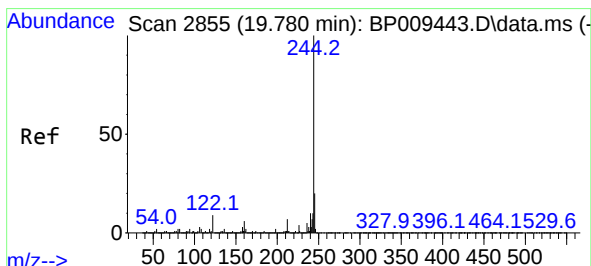
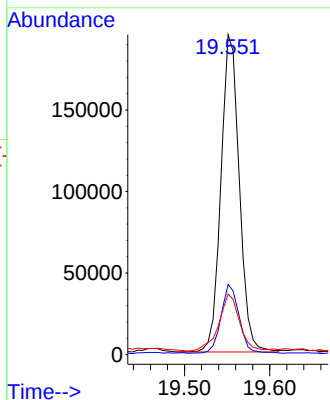
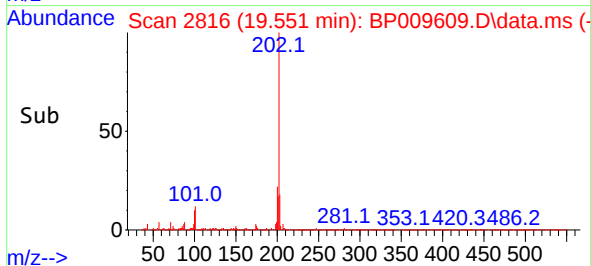


Tgt Ion:202 Resp: 291140
Ion Ratio Lower Upper
202 100
200 21.9 16.8 25.2
203 18.9 14.2 21.4

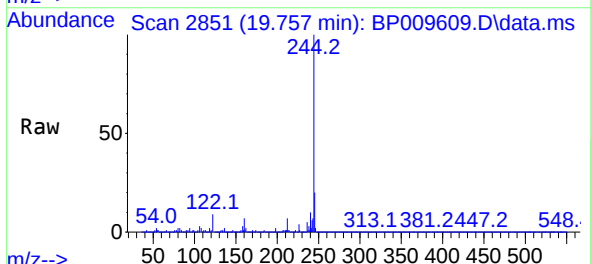
Manual Integrations

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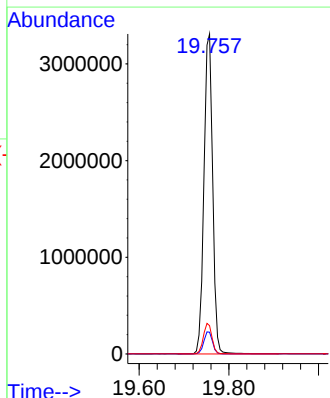
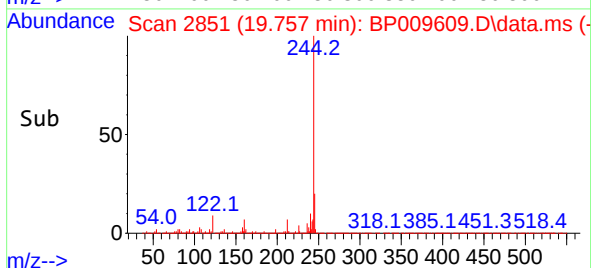
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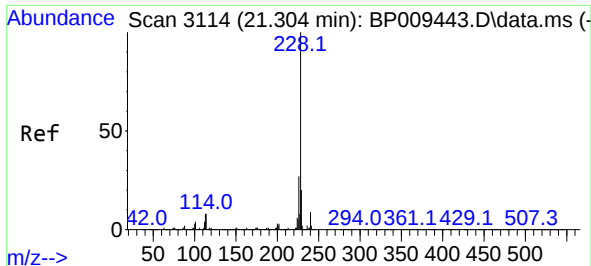


#79
Terphenyl-d14
Concen: 67.780 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33



Tgt Ion:244 Resp: 4439118
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 8.9 8.3 12.5





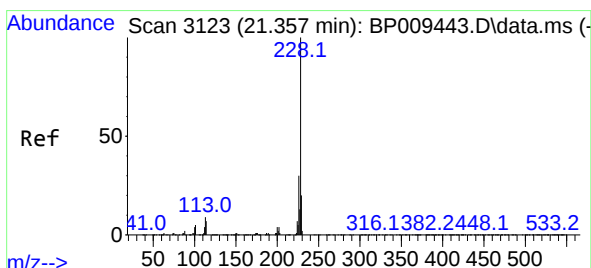
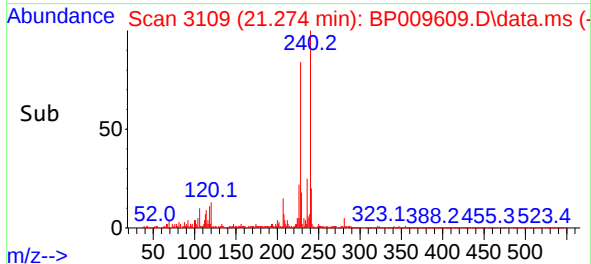
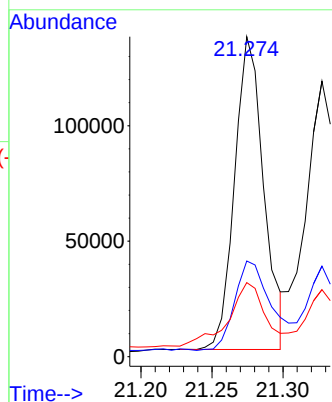
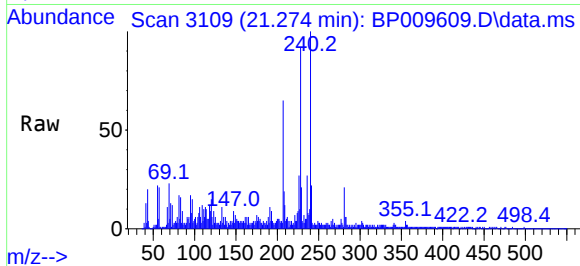
#81
Benzo(a)anthracene
Concen: 2.509 ng
RT: 21.274 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0

Tgt Ion:228 Resp: 193809
Ion Ratio Lower Upper
228 100
226 29.9 22.0 33.0
229 23.2 16.1 24.1

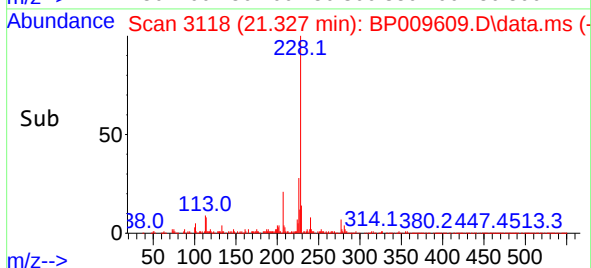
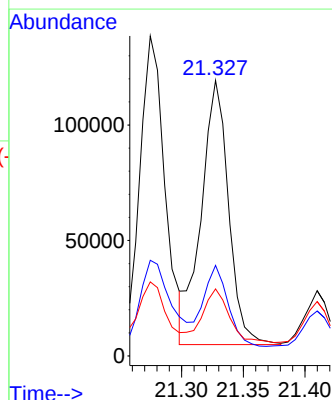
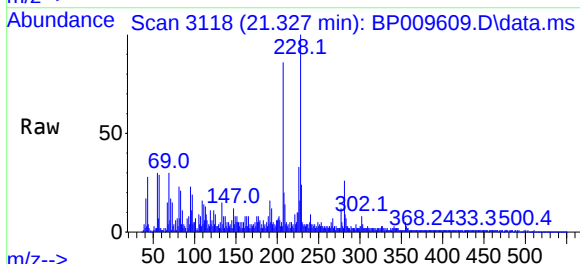
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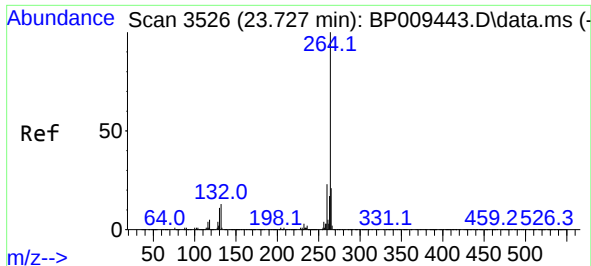
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#83
Chrysene
Concen: 2.417 ng m
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

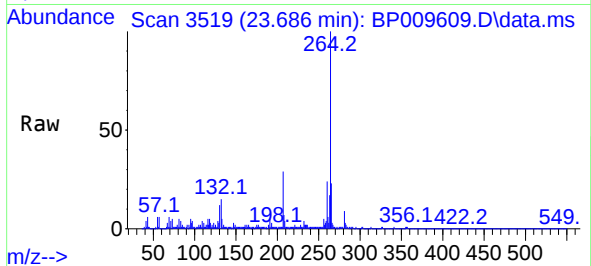
Tgt Ion:228 Resp: 176793
Ion Ratio Lower Upper
228 100
226 32.9 24.2 36.2
229 24.3 16.1 24.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

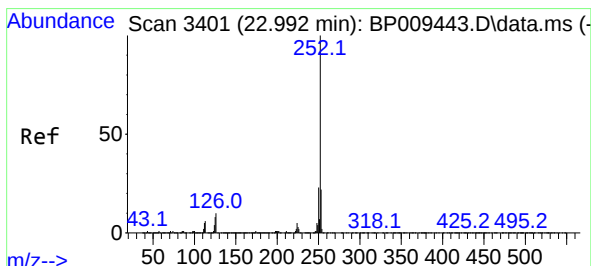
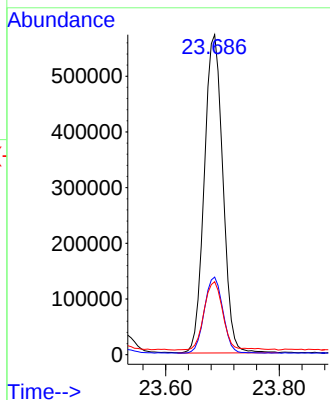
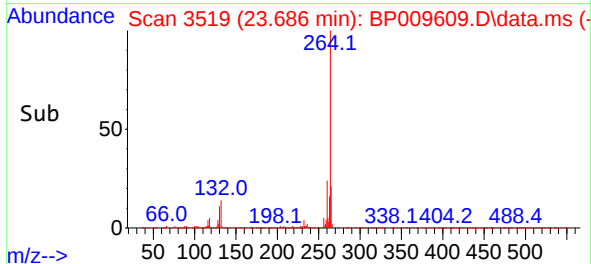
Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0



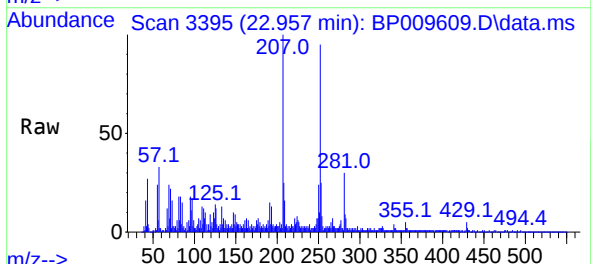
Tgt Ion:264 Resp: 1294470
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 22.8 17.2 25.8

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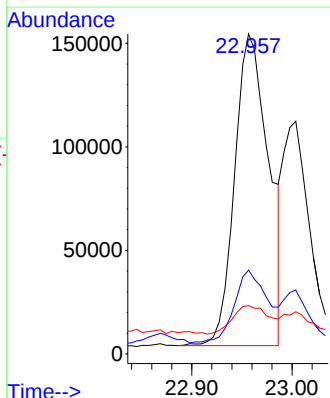
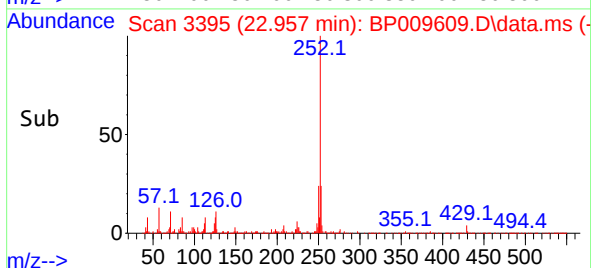
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

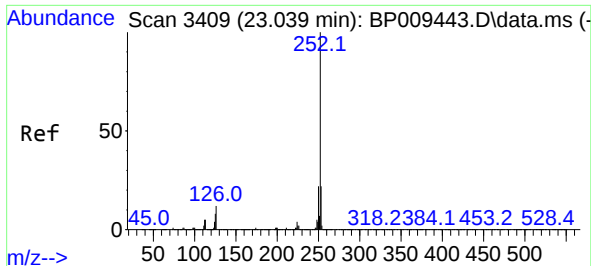


#88
Benzo(b)fluoranthene
Concen: 4.587 ng
RT: 22.957 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33



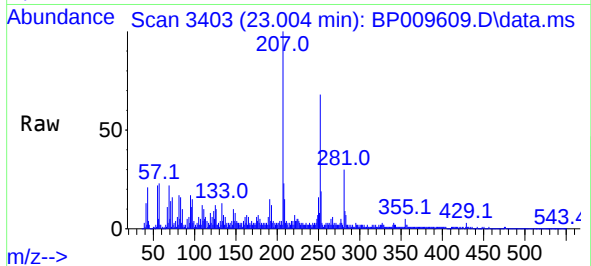
Tgt Ion:252 Resp: 354485
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.8
125 15.1 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.791 ng
RT: 23.004 min Scan# 3409
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

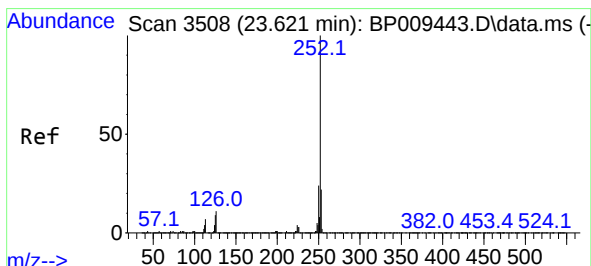
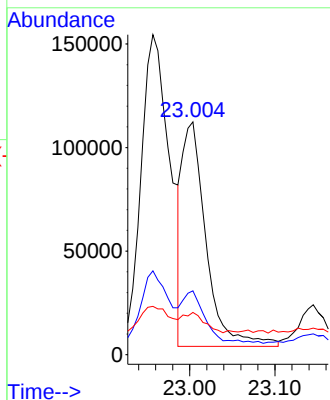
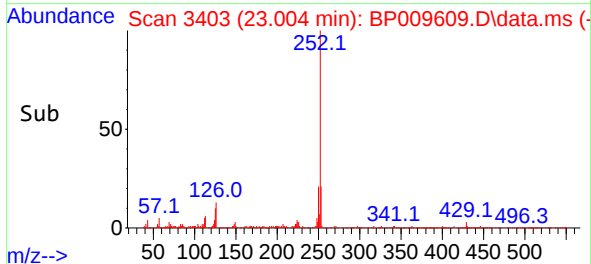
Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0



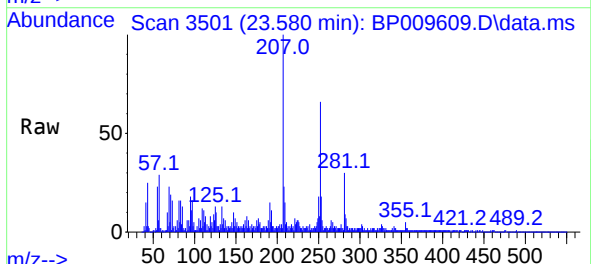
Tgt Ion:252 Resp: 211200
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 18.2 8.3 12.5#

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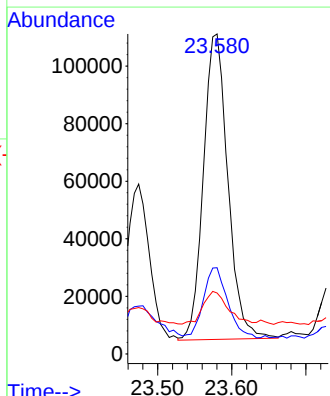
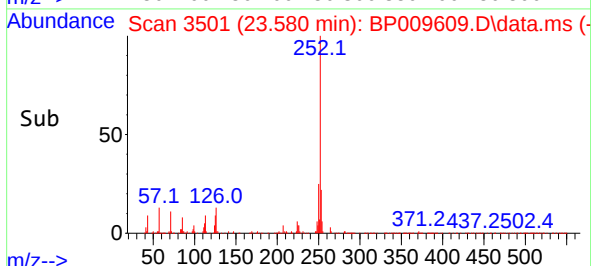
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

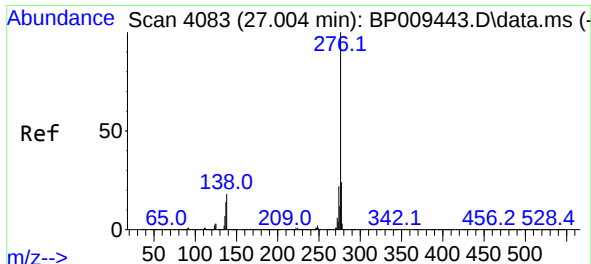


#90
Benzo(a)pyrene
Concen: 3.679 ng
RT: 23.580 min Scan# 3501
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33



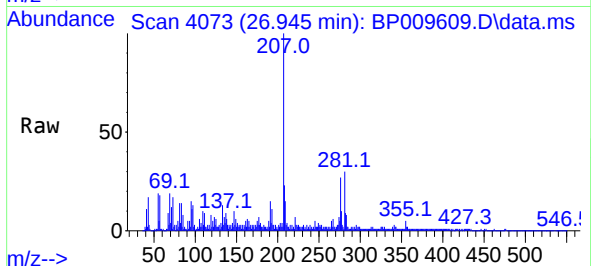
Tgt Ion:252 Resp: 243238
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.6#
125 19.0 9.3 13.9#





#92
Benzo(g,h,i)perylene
Concen: 2.088 ng
RT: 26.945 min Scan# 4083
Delta R.T. 0.000 min
Lab File: BP009609.D
Acq: 29 Mar 2022 23:33

Instrument :
BNA_P
ClientSampleId :
SB-03-5.0-6.0



Tgt Ion: 276 Resp: 16810
Ion Ratio Lower Upper
276 100
277 35.6 19.2 28.8
138 22.5 18.0 27.0

Manual Integrations
APPROVED

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

