

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111222\
 Data File : BP012644.D
 Acq On : 13 Nov 2022 05:22
 Operator : CG/JU
 Sample : N5531-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-30

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/14/2022
 Supervised By : Jagrut Upadhyay 11/14/2022

Quant Time: Nov 14 03:27:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 13 22:44:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	346280	20.000	ng	-0.01
21) Naphthalene-d8	10.504	136	1480071	20.000	ng	-0.01
39) Acenaphthene-d10	14.369	164	940654	20.000	ng	-0.01
64) Phenanthrene-d10	17.128	188	1806227	20.000	ng	-0.02
76) Chrysene-d12	21.233	240	1215151	20.000	ng	-0.01
86) Perylene-d12	23.574	264	1335740	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	3105913	167.016	ng	0.00
7) Phenol-d6	6.899	99	4088426	158.387	ng	-0.01
23) Nitrobenzene-d5	8.881	82	2582968	96.819	ng	-0.01
42) 2,4,6-Tribromophenol	15.869	330	1973093	153.653	ng	-0.02
45) 2-Fluorobiphenyl	12.987	172	5579358	90.043	ng	-0.01
79) Terphenyl-d14	19.704	244	6396559	106.644	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.169	178	199669	2.005	ng	99
75) Fluoranthene	19.151	202	988237	8.469	ng	99
78) Pyrene	19.504	202	1756618	20.955	ng	99
81) Benzo(a)anthracene	21.216	228	733917	9.032	ng	98
83) Chrysene	21.269	228	971447m	12.543	ng	
87) Indeno(1,2,3-cd)pyrene	25.992	276	484440	5.118	ng	97
88) Benzo(b)fluoranthene	22.863	252	810051m	9.427	ng	
89) Benzo(k)fluoranthene	22.904	252	254514m	3.035	ng	
90) Benzo(a)pyrene	23.468	252	757550	10.795	ng	98
92) Benzo(g,h,i)perylene	26.739	276	631058	8.168	ng	99

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

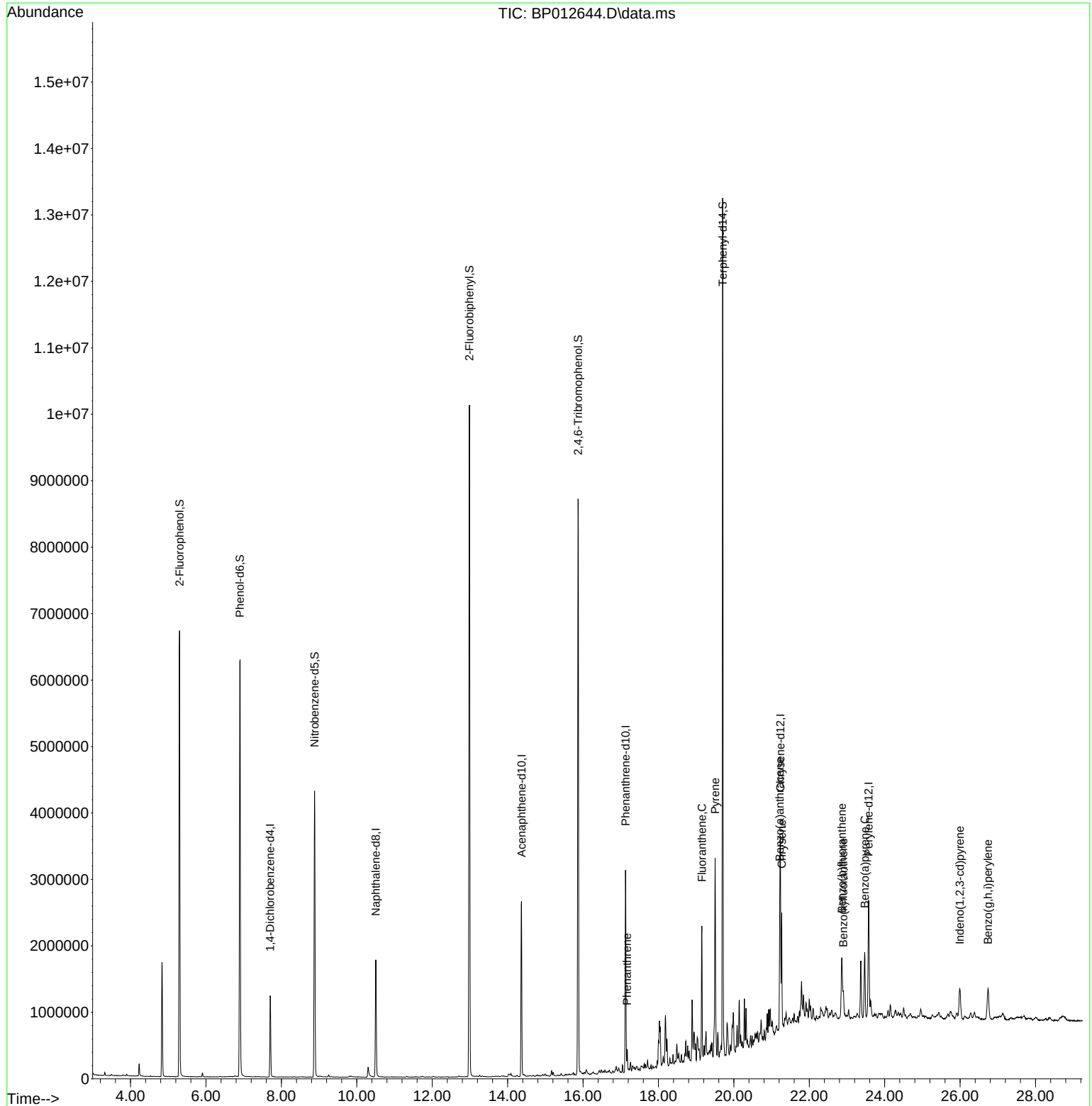
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Data File : BP012644.D
Acq On : 13 Nov 2022 05:22
Operator : CG/JU
Sample : N5531-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

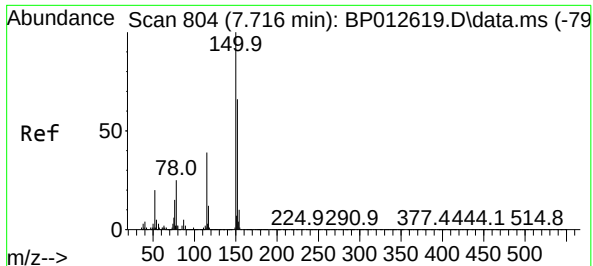
Instrument :
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ClientSampleId :
SB-30

Quant Time: Nov 14 03:27:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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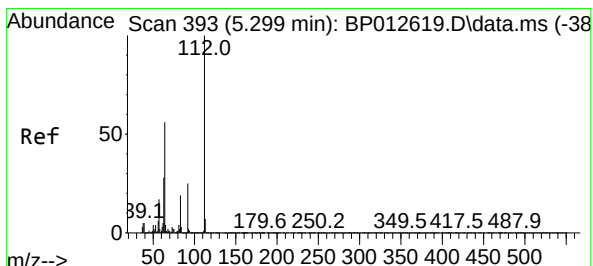
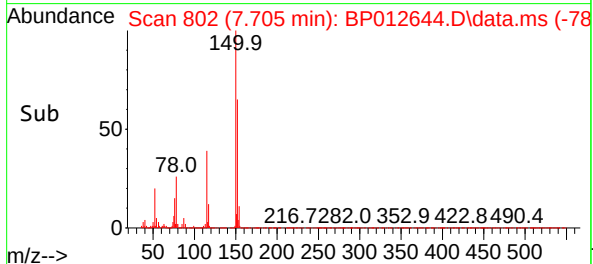
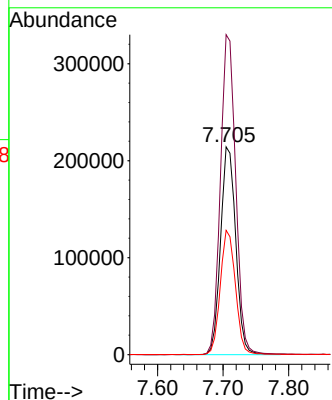
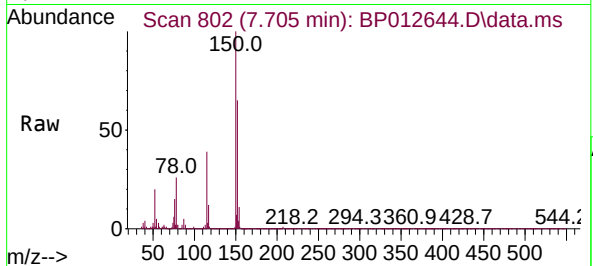
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 804
Delta R.T. -0.011 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Instrument :
BNA_P
Client SampleId :
SB-30

Tgt Ion:152 Resp: 346280
Ion Ratio Lower Upper
152 100
150 154.0 122.1 183.1
115 59.8 47.3 70.9

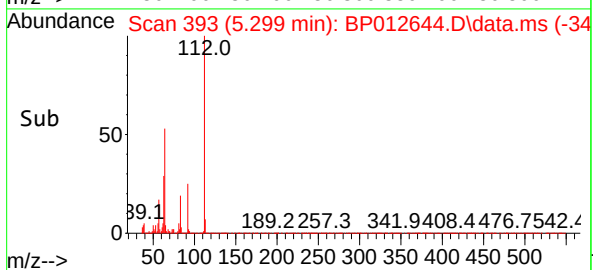
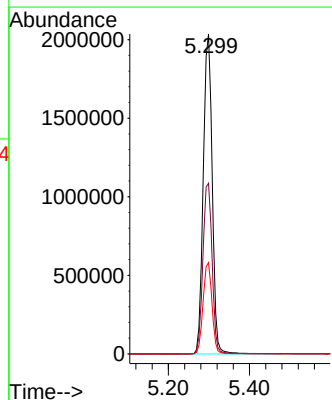
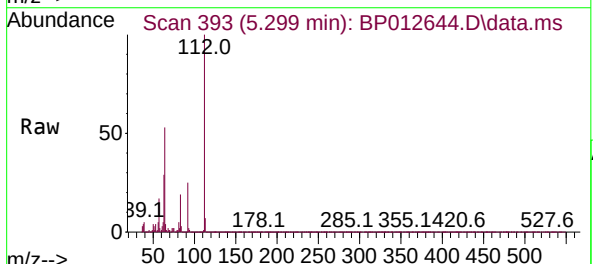
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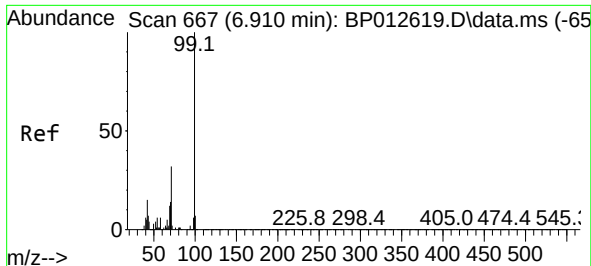
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#5
2-Fluorophenol
Concen: 167.016 ng
RT: 5.299 min Scan# 393
Delta R.T. -0.000 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Tgt Ion:112 Resp: 3105913
Ion Ratio Lower Upper
112 100
64 53.3 44.6 67.0
63 28.5 22.8 34.2





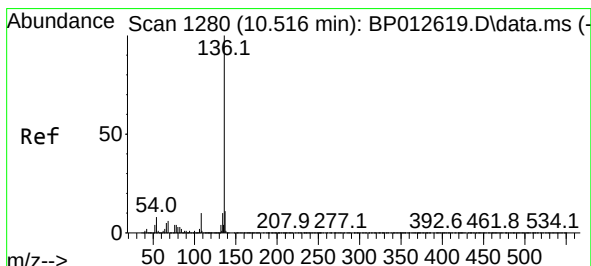
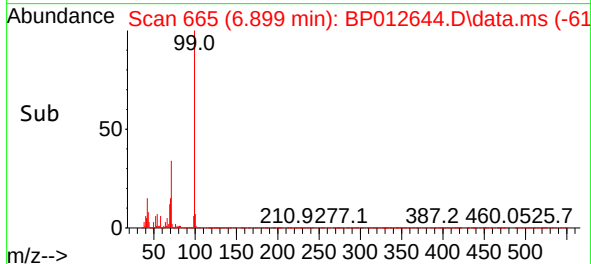
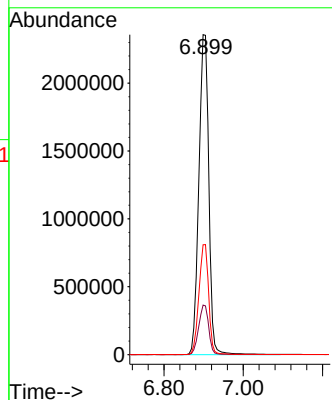
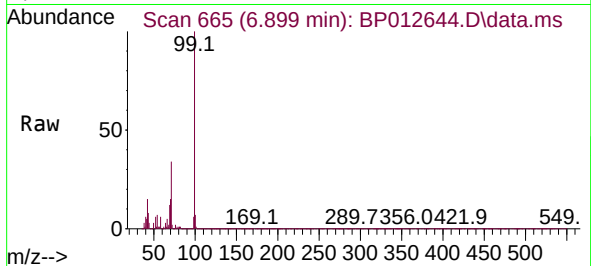
#7
Phenol-d6
Concen: 158.387 ng
RT: 6.899 min Scan# 60
Delta R.T. -0.011 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Instrument :
BNA_P
ClientSampleId :
SB-30

Tgt Ion: 99 Resp: 4088426
Ion Ratio Lower Upper
99 100
42 15.5 12.2 18.2
71 34.3 26.0 39.0

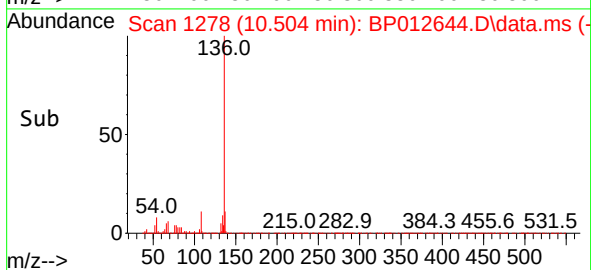
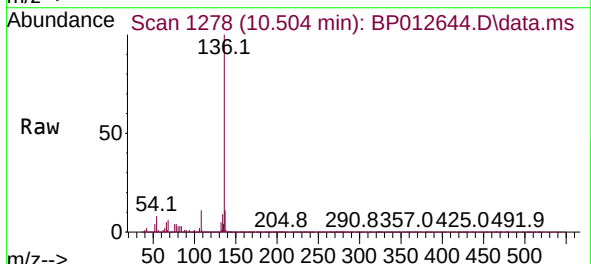
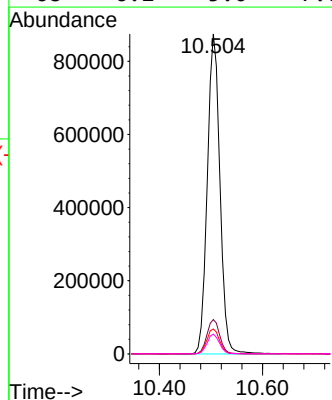
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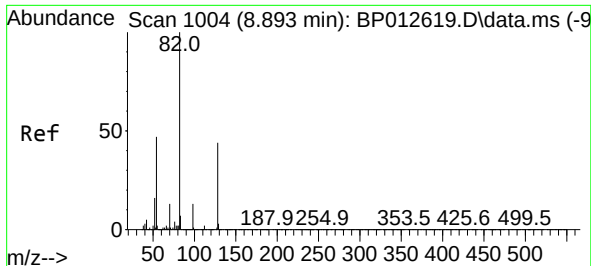
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Tgt Ion:136 Resp: 1480071
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 7.8 6.4 9.6
68 6.2 5.0 7.6





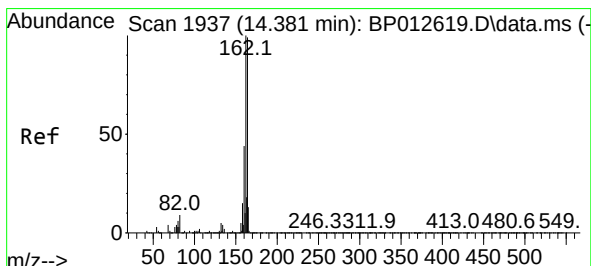
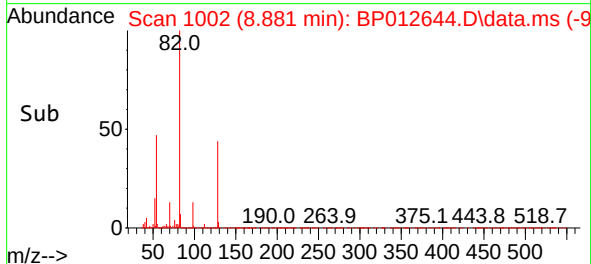
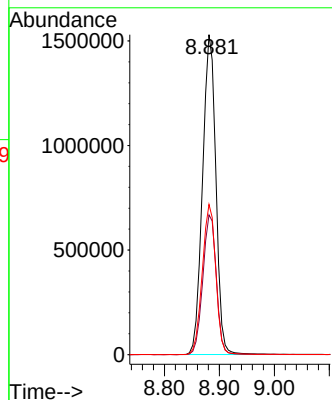
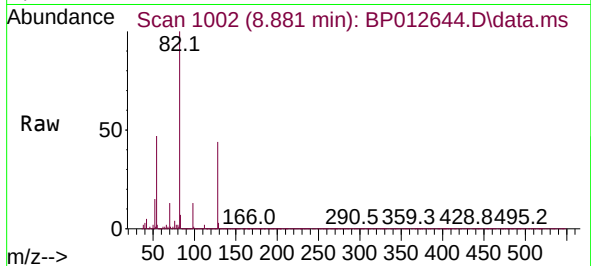
#23
Nitrobenzene-d5
Concen: 96.819 ng
RT: 8.881 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Instrument :
BNA_P
ClientSampleId :
SB-30

Tgt Ion: 82 Resp: 2582968
Ion Ratio Lower Upper
82 100
128 43.7 35.4 53.2
54 46.9 37.8 56.6

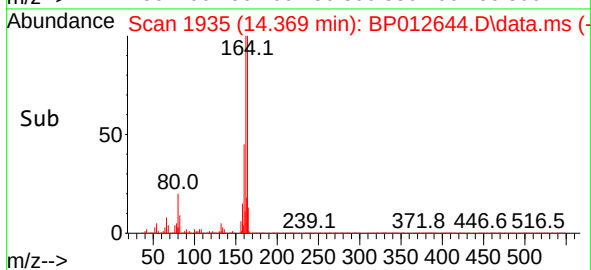
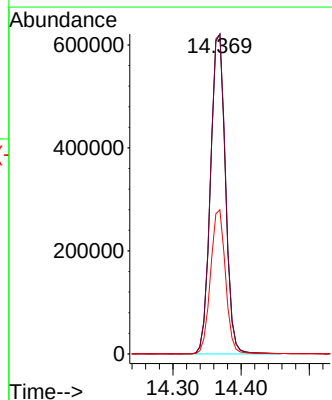
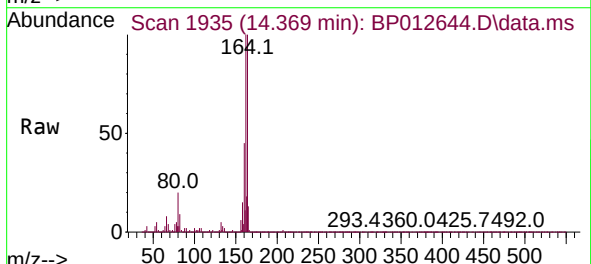
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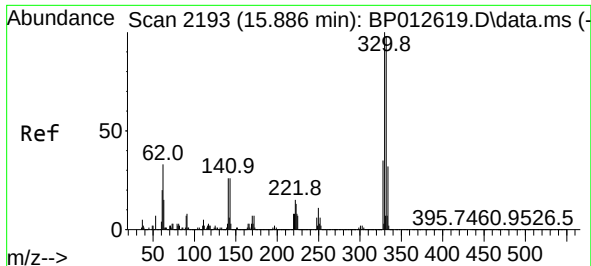
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

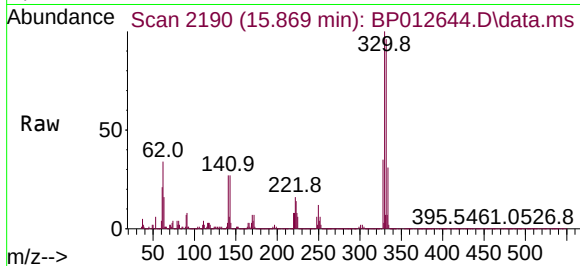
Tgt Ion:164 Resp: 940654
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.6
160 45.0 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 153.653 ng
RT: 15.869 min Scan# 2193
Delta R.T. -0.017 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

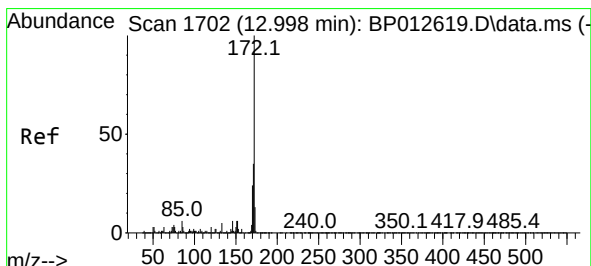
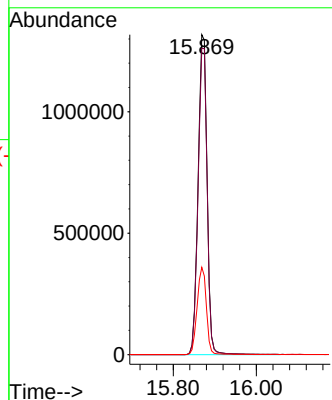
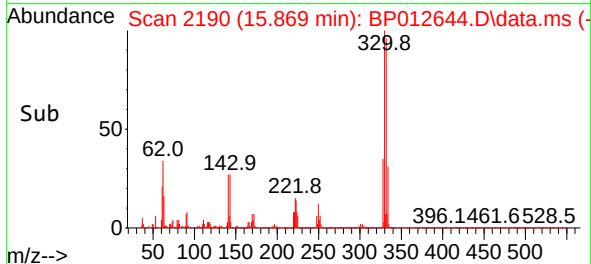
Instrument :
BNA_P
ClientSampleId :
SB-30



Tgt Ion:330 Resp: 1973093
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 27.9 23.7 35.5

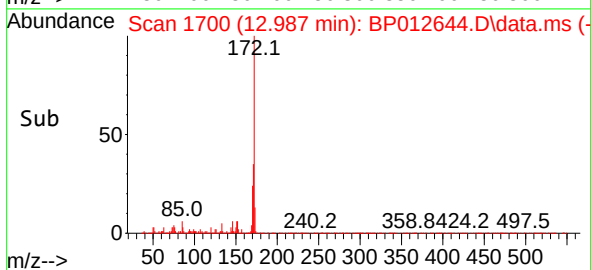
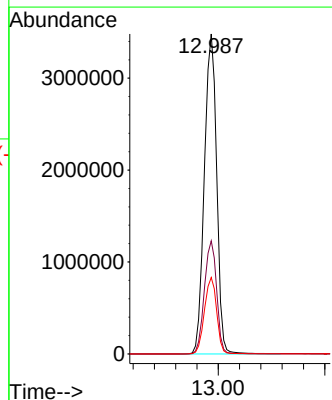
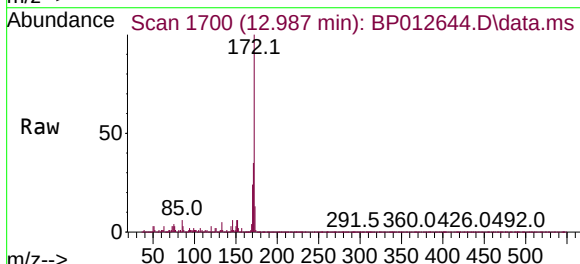
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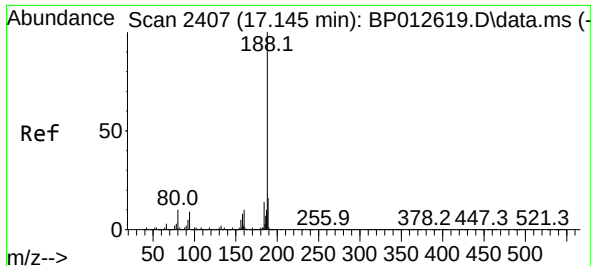
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#45
2-Fluorobiphenyl
Concen: 90.043 ng
RT: 12.987 min Scan# 1700
Delta R.T. -0.011 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Tgt Ion:172 Resp: 5579358
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.9 19.0 28.6





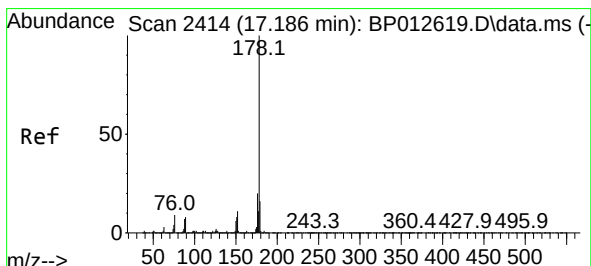
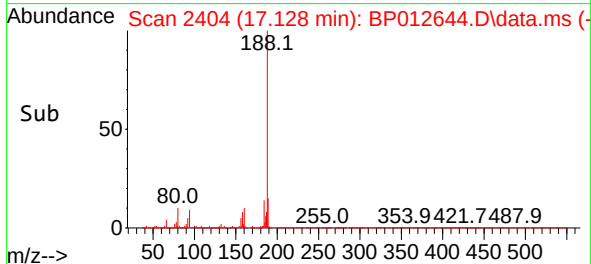
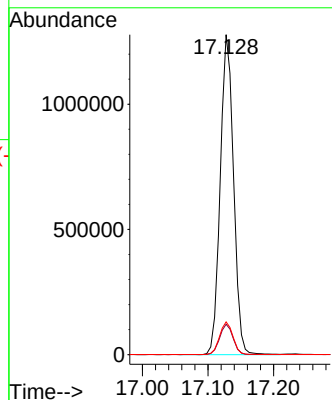
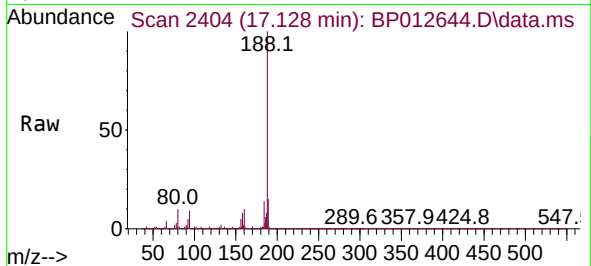
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.128 min Scan# 2404
Delta R.T. -0.018 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Instrument :
BNA_P
ClientSampleId :
SB-30

Tgt Ion:188 Resp: 180622
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.2 8.2 12.2

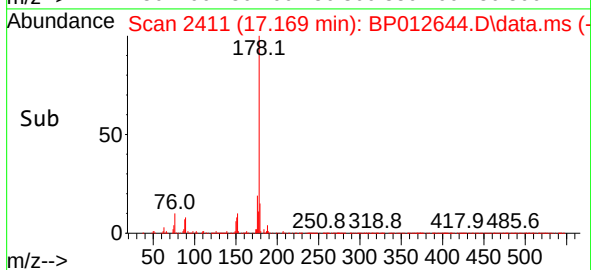
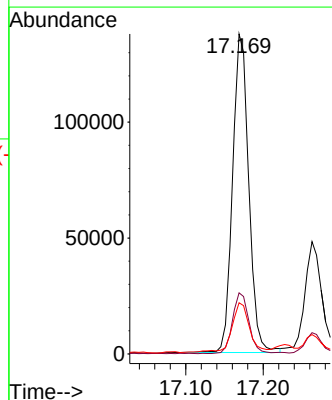
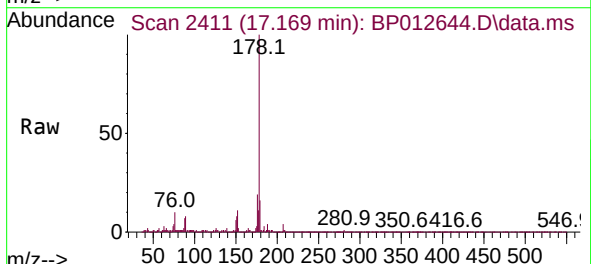
Manual Integrations
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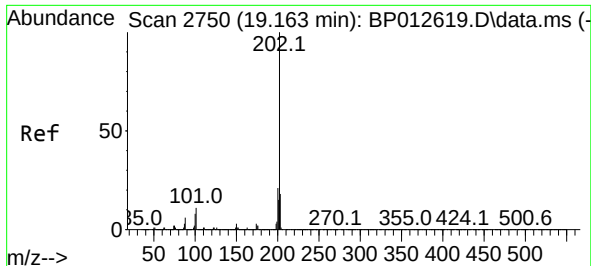
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#71
Phenanthrene
Concen: 2.005 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

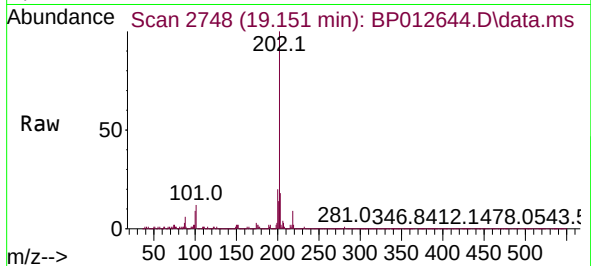
Tgt Ion:178 Resp: 199669
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 16.0 12.6 18.8





#75
Fluoranthene
Concen: 8.469 ng
RT: 19.151 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

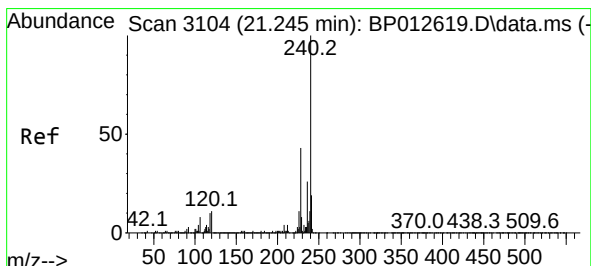
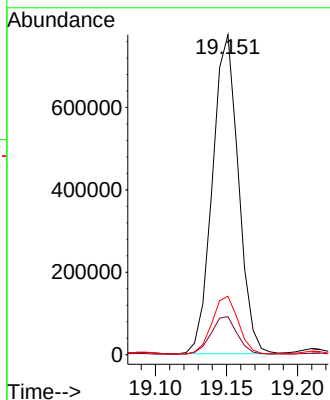
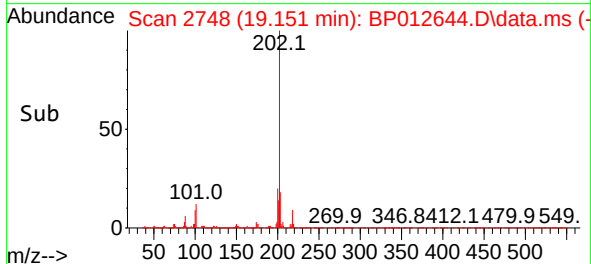
Instrument :
BNA_P
ClientSampleId :
SB-30



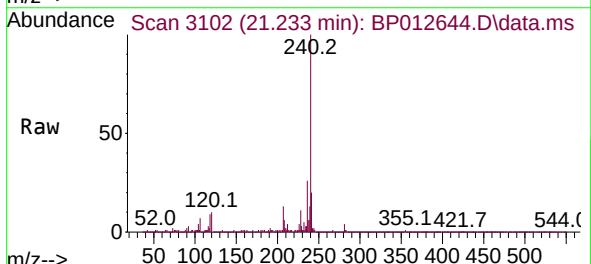
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Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.1
203 18.2 0.0 38.1

Manual Integrations
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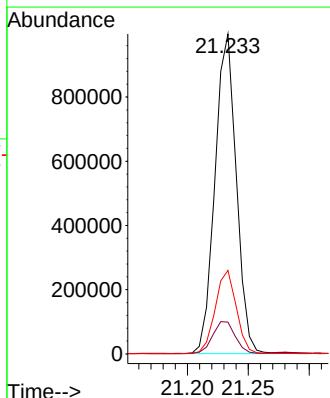
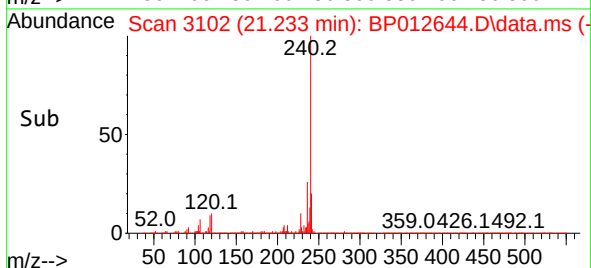
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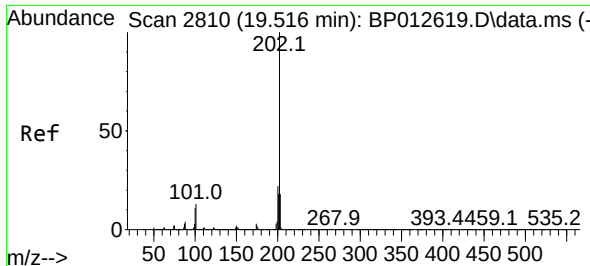


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.233 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22



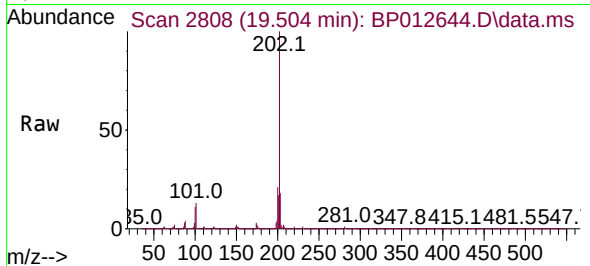
Tgt Ion:240 Resp: 1215151
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.1 20.8 31.2





#78
Pyrene
Concen: 20.955 ng
RT: 19.504 min Scan# 2808
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

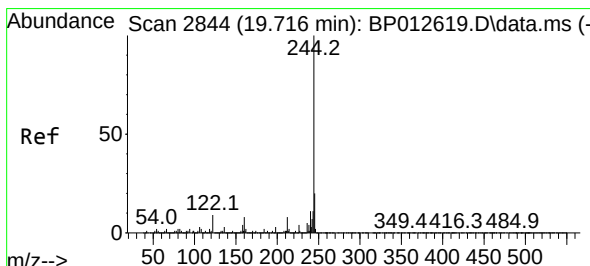
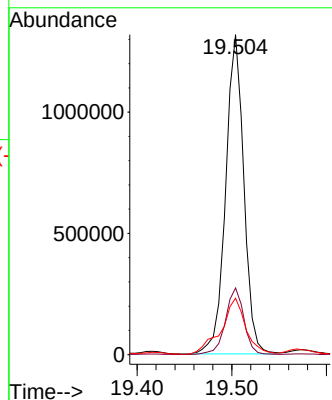
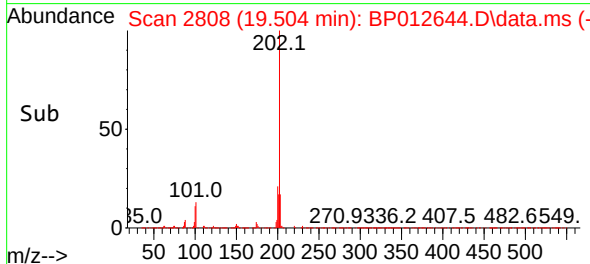
Instrument :
BNA_P
ClientSampleId :
SB-30



Tgt Ion:202 Resp: 1756618
Ion Ratio Lower Upper
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203 17.6 14.3 21.5

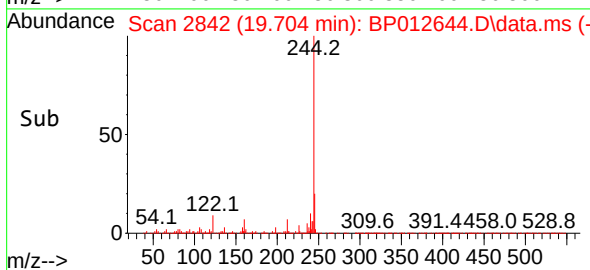
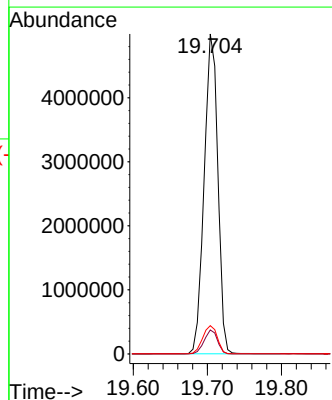
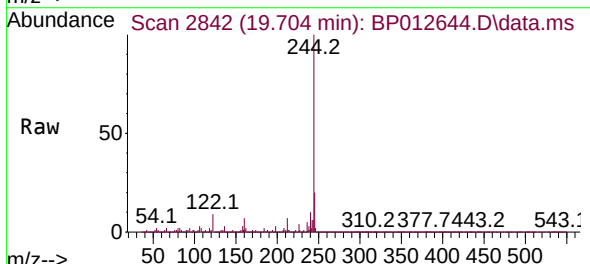
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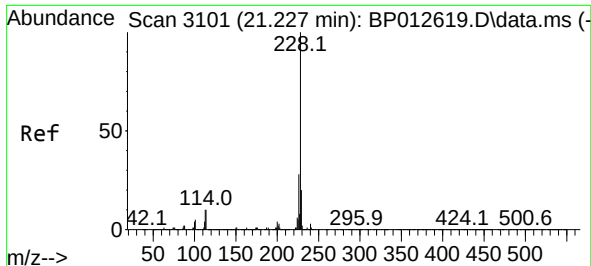
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#79
Terphenyl-d14
Concen: 106.644 ng
RT: 19.704 min Scan# 2842
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Tgt Ion:244 Resp: 6396559
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 8.8 7.0 10.4





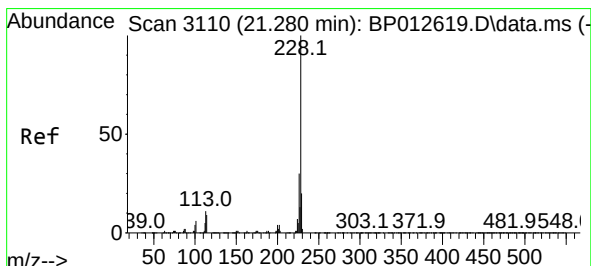
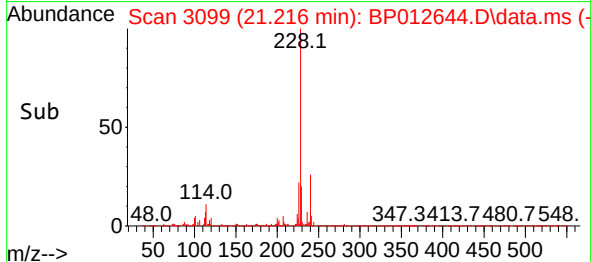
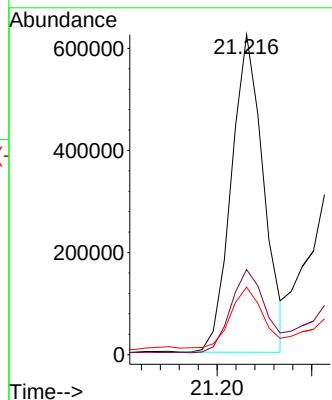
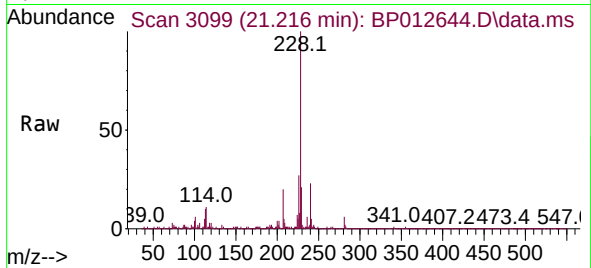
#81
Benzo(a)anthracene
Concen: 9.032 ng
RT: 21.216 min Scan# 30
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Instrument :
BNA_P
ClientSampleId :
SB-30

Tgt Ion:228 Resp: 733917
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 21.1 16.2 24.2

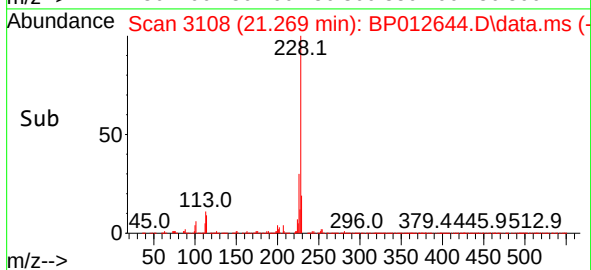
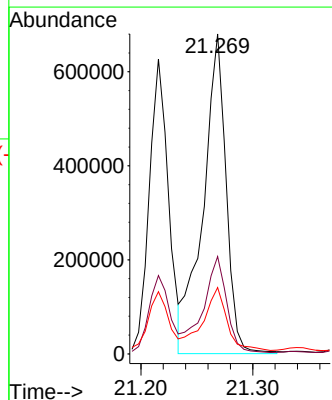
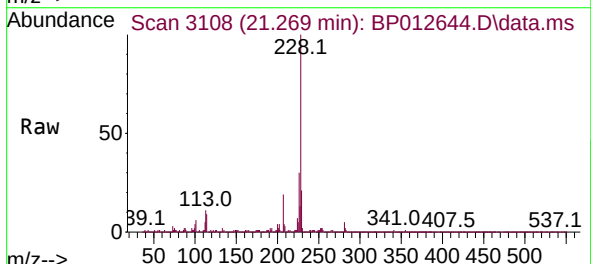
Manual Integrations
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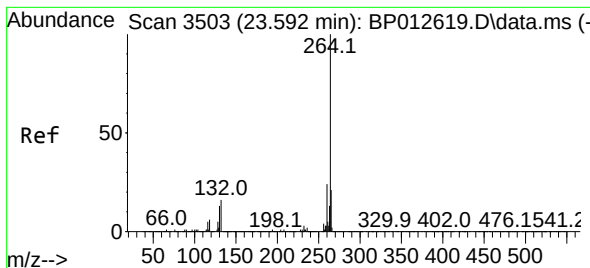
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#83
Chrysene
Concen: 12.543 ng m
RT: 21.269 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

Tgt Ion:228 Resp: 971447
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 20.7 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.574 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP012644.D

Acq: 13 Nov 2022 05:22

Instrument :

BNA_P

ClientSampleId :

SB-30

Tgt Ion:264 Resp: 1335740

Ion Ratio Lower Upper

264 100

260 24.7 18.9 28.3

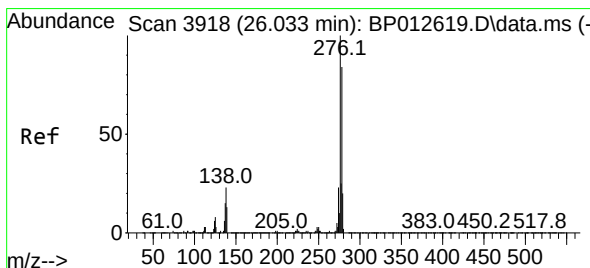
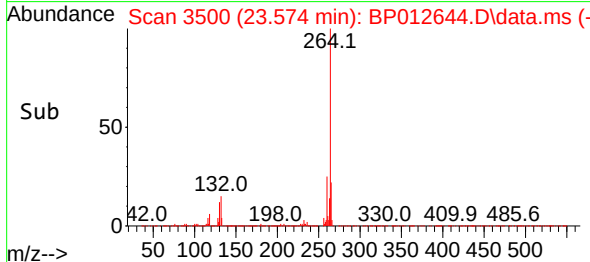
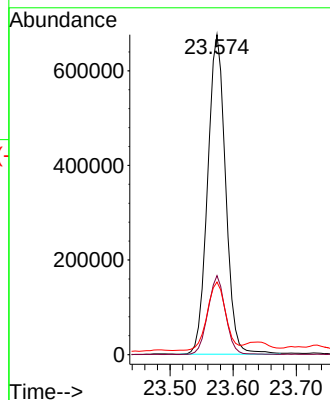
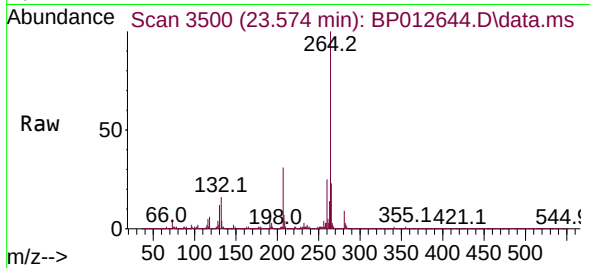
265 22.7 17.8 26.8

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Reviewed By :Christian Giraldo 11/14/2022

Supervised By :Jagrut Upadhyay 11/14/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.118 ng

RT: 25.992 min Scan# 3911

Delta R.T. -0.041 min

Lab File: BP012644.D

Acq: 13 Nov 2022 05:22

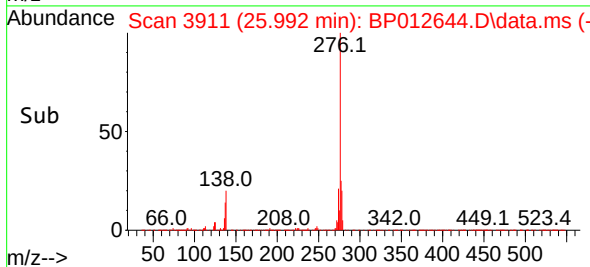
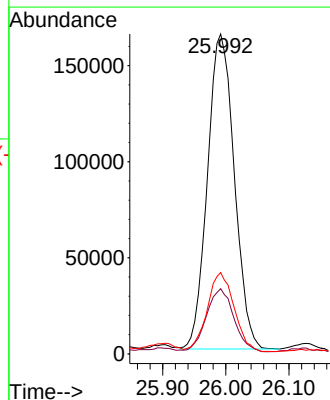
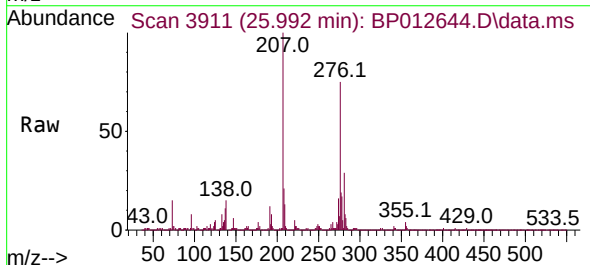
Tgt Ion:276 Resp: 484440

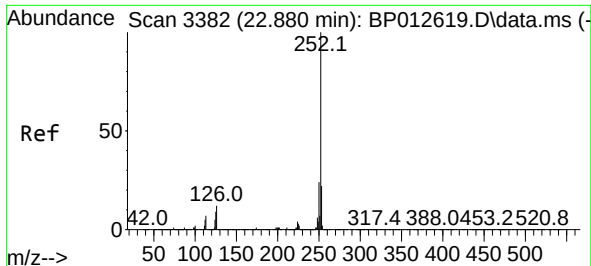
Ion Ratio Lower Upper

276 100

138 20.4 18.6 27.8

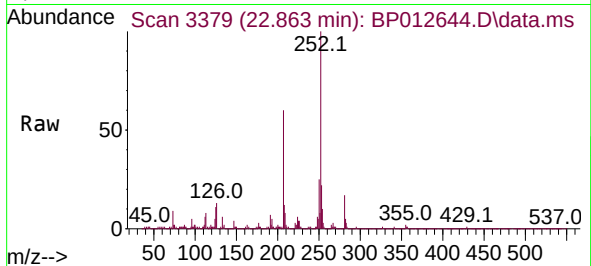
277 25.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 9.427 ng m
RT: 22.863 min Scan# 3382
Delta R.T. -0.018 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22

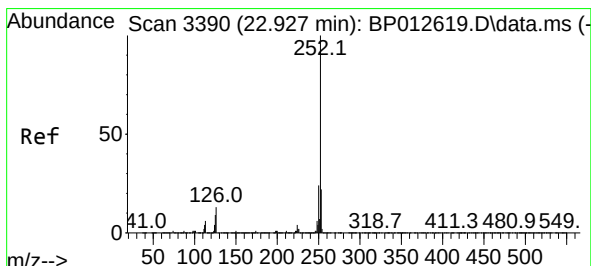
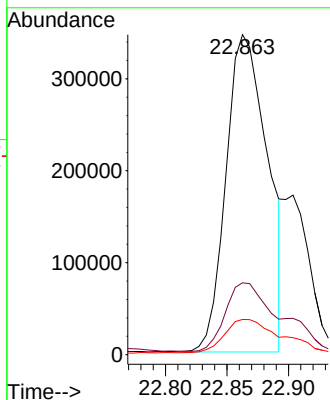
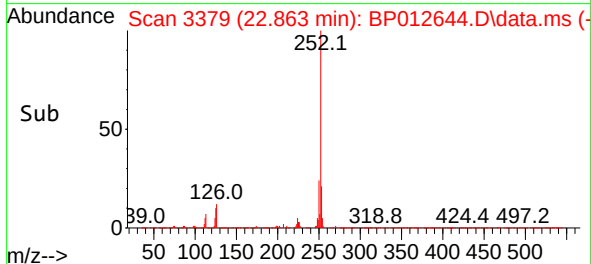
Instrument :
BNA_P
ClientSampleId :
SB-30



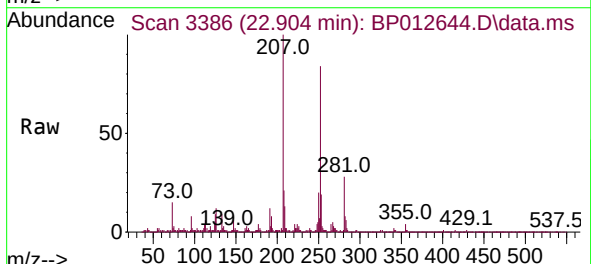
Tgt Ion:252 Resp: 810051
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.0 7.6 11.4

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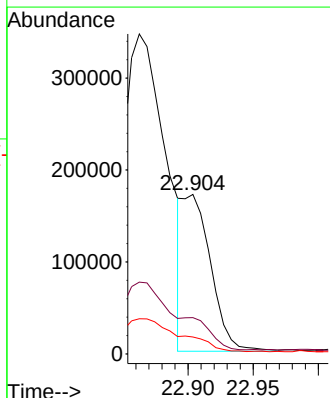
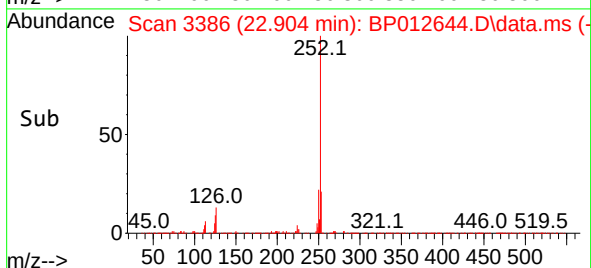
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

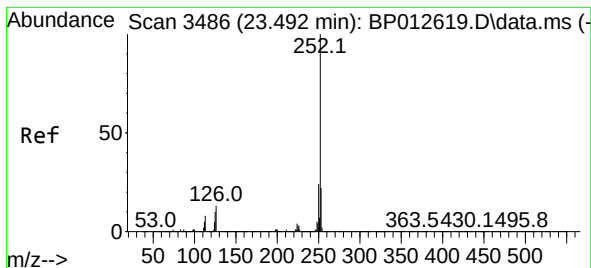


#89
Benzo(k)fluoranthene
Concen: 3.035 ng m
RT: 22.904 min Scan# 3386
Delta R.T. -0.024 min
Lab File: BP012644.D
Acq: 13 Nov 2022 05:22



Tgt Ion:252 Resp: 254514
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 10.6 7.7 11.5





#90

Benzo(a)pyrene

Concen: 10.795 ng

RT: 23.468 min Scan# 34

Delta R.T. -0.024 min

Lab File: BP012644.D

Acq: 13 Nov 2022 05:22

Instrument :

BNA_P

ClientSampleId :

SB-30

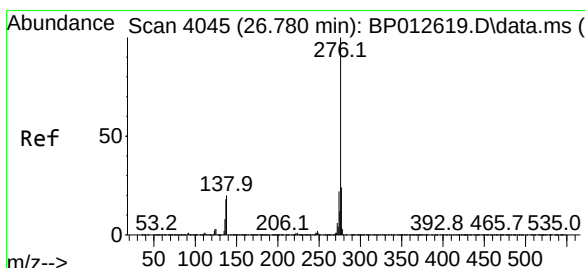
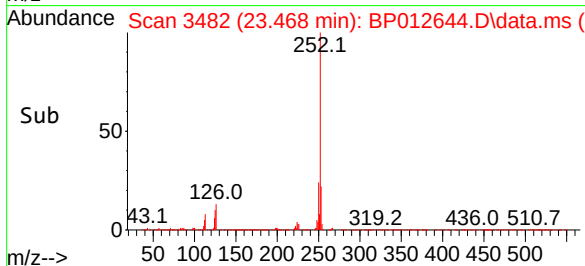
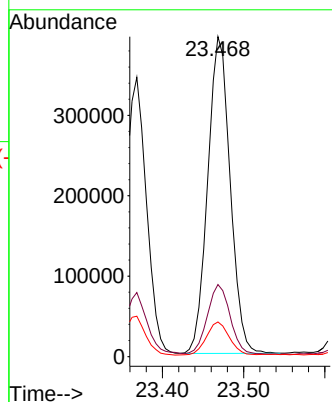
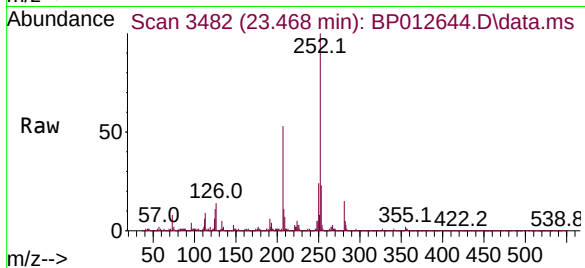
Tgt Ion:	252	Resp:	757550
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	10.8	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/14/2022

Supervised By :Jagrut Upadhyay 11/14/2022



#92

Benzo(g,h,i)perylene

Concen: 8.168 ng

RT: 26.739 min Scan# 4038

Delta R.T. -0.041 min

Lab File: BP012644.D

Acq: 13 Nov 2022 05:22

Tgt Ion:	276	Resp:	631058
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.4	29.2
138	19.5	16.2	24.4

