

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012723\
 Data File : BP013633.D
 Acq On : 27 Jan 2023 23:58
 Operator : CG/JU
 Sample : 01190-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PE-2

Quant Time: Jan 29 23:56:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 27 03:27:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/30/2023
 Supervised By :Jagrut Upadhyay 01/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	203167	20.000	ng	0.00
21) Naphthalene-d8	11.004	136	443324	20.000	ng	# 0.02
39) Acenaphthene-d10	14.828	164	467627	20.000	ng	0.04
64) Phenanthrene-d10	17.580	188	689027	20.000	ng	# 0.03
76) Chrysene-d12	21.633	240	751330	20.000	ng	0.00
86) Perylene-d12	24.221	264	956404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1167453	102.971	ng	0.00
7) Phenol-d6	7.305	99	1073014	70.059	ng	0.00
23) Nitrobenzene-d5	9.340	82	1070817	132.722	ng	0.00
42) 2,4,6-Tribromophenol	16.316	330	377349	53.002	ng	0.04
45) 2-Fluorobiphenyl	13.445	172	1656162	50.582	ng	0.02
79) Terphenyl-d14	20.098	244	2416472	56.755	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	11.063	128	2651984	117.723	ng	# 84
37) 2-Methylnaphthalene	12.669	142	5368383	311.814	ng	98
38) 1-Methylnaphthalene	12.881	142	3101737	192.488	ng	# 97
46) 1,1'-Biphenyl	13.657	154	1295651	37.182	ng	95
52) Acenaphthene	14.886	154	221826	7.902	ng	# 70
58) Fluorene	15.875	166	775533	23.066	ng	# 83
71) Phenanthrene	17.622	178	941830	26.652	ng	# 90
72) Anthracene	17.669	178	111732m	3.129	ng	
78) Pyrene	19.916	202	719676	12.377	ng	# 94

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

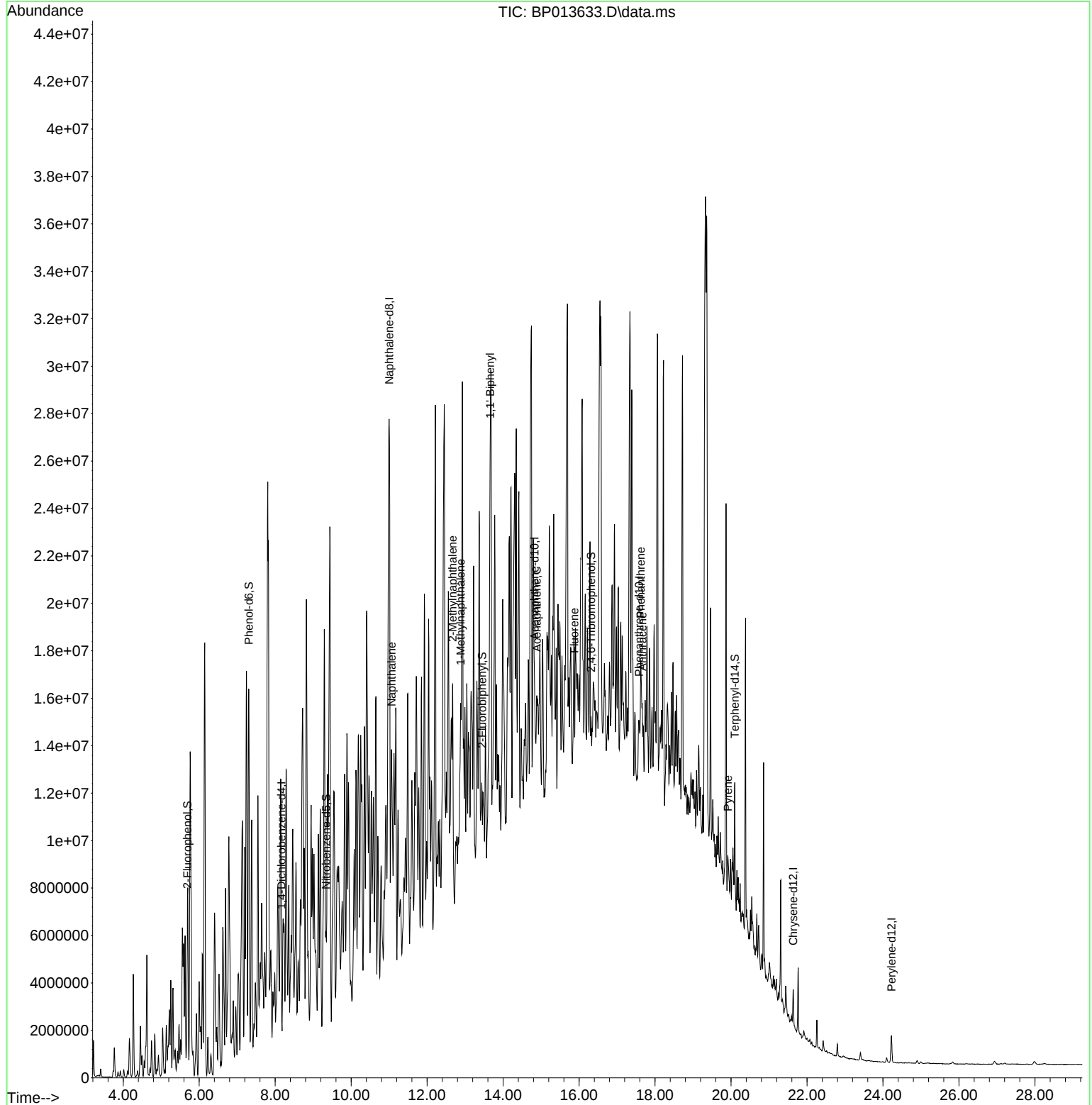
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012723\
Data File : BP013633.D
Acq On : 27 Jan 2023 23:58
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ALS Vial : 16 Sample Multiplier: 1

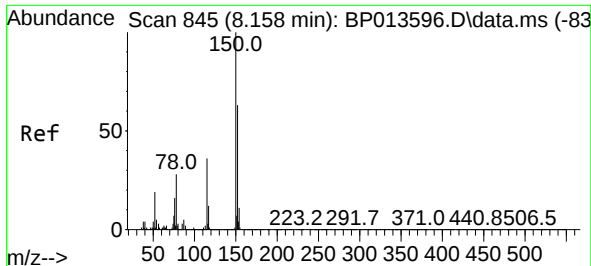
Instrument :
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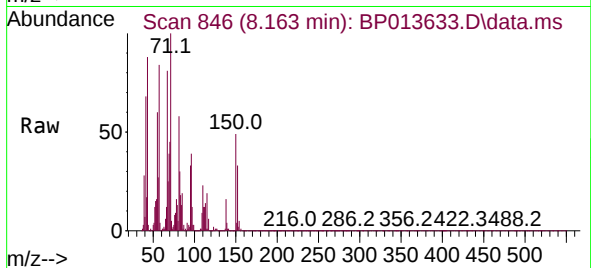
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 845
Delta R.T. 0.005 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

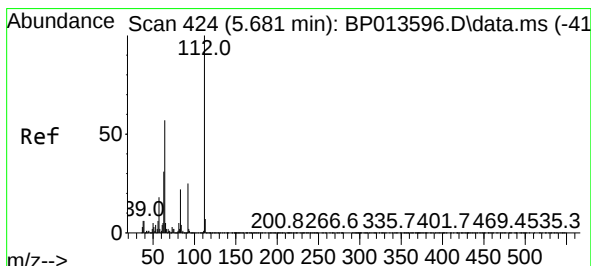
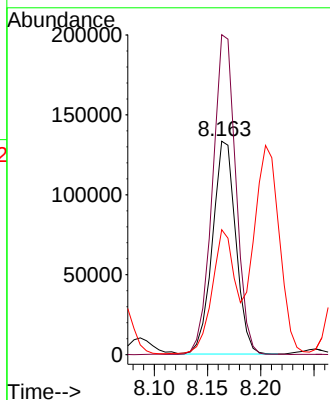
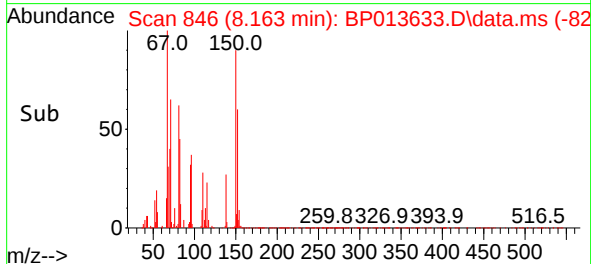
Instrument :
BNA_P
ClientSampleId :
PE-2



Tgt Ion:152 Resp: 203162
Ion Ratio Lower Upper
152 100
150 149.9 126.2 189.2
115 58.5 45.1 67.7

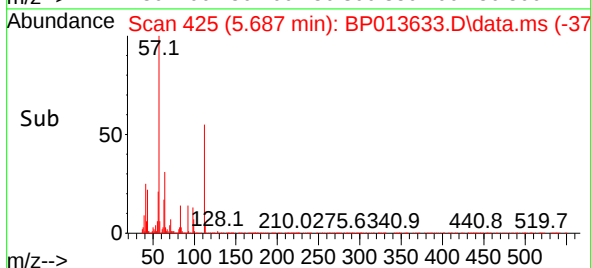
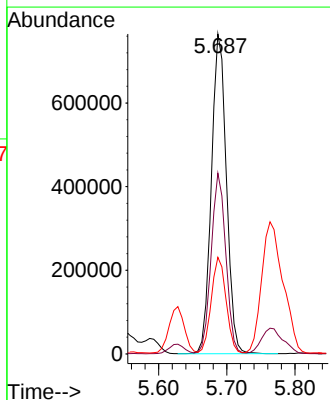
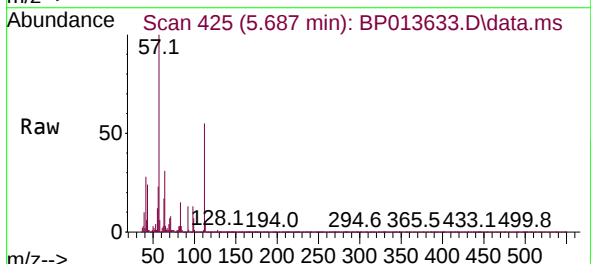
Manual Integrations
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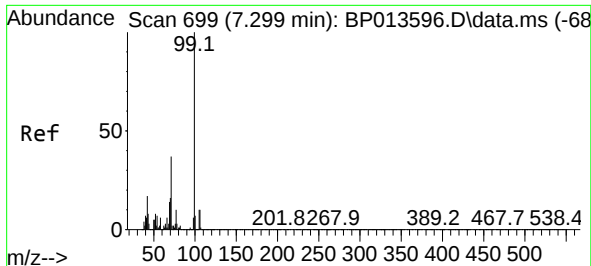
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#5
2-Fluorophenol
Concen: 102.971 ng
RT: 5.687 min Scan# 425
Delta R.T. 0.006 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

Tgt Ion:112 Resp: 1167453
Ion Ratio Lower Upper
112 100
64 56.5 45.5 68.3
63 30.2 25.1 37.7





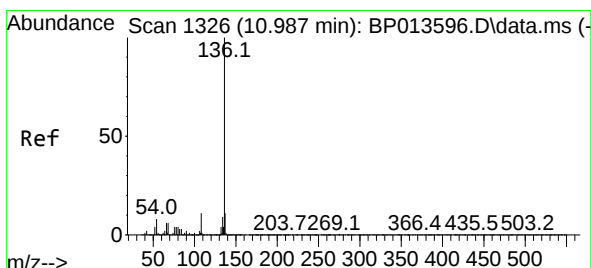
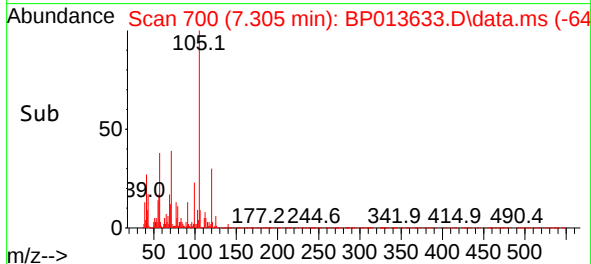
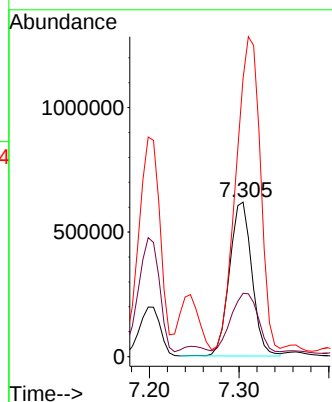
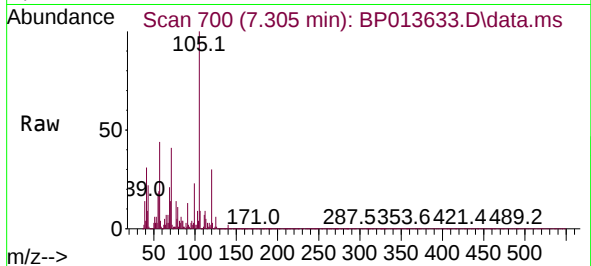
#7
Phenol-d6
Concen: 70.059 ng
RT: 7.305 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

Instrument :
BNA_P
ClientSampleId :
PE-2

Tgt Ion: 99 Resp: 1073014
Ion Ratio Lower Upper
99 100
42 41.0 13.4 20.2#
71 180.2 29.9 44.9#

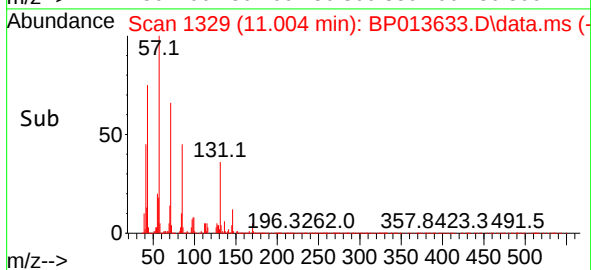
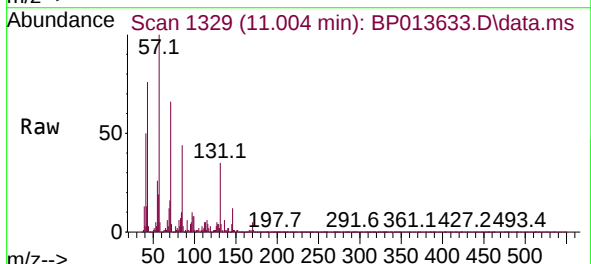
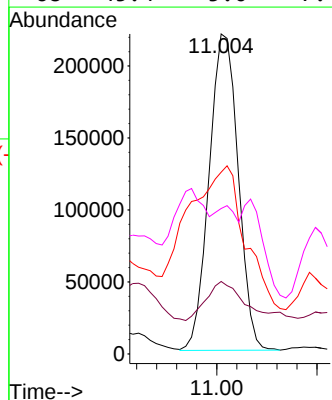
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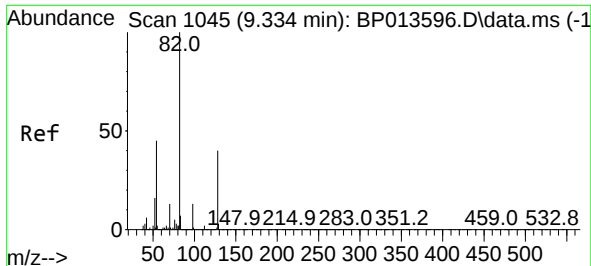
Reviewed By :Christian Giraldo 01/30/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.004 min Scan# 1329
Delta R.T. 0.017 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

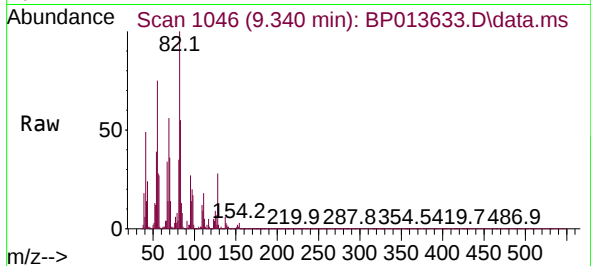
Tgt Ion:136 Resp: 443324
Ion Ratio Lower Upper
136 100
137 22.6 8.6 13.0#
54 56.8 6.1 9.1#
68 45.4 5.0 7.4#





#23
Nitrobenzene-d5
Concen: 132.722 ng
RT: 9.340 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

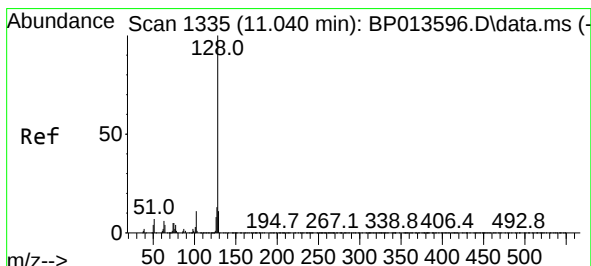
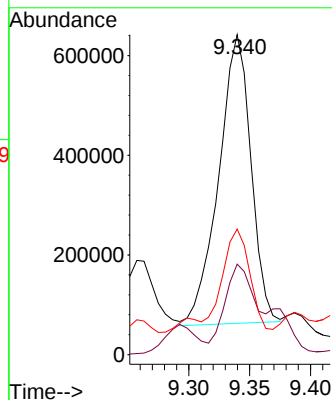
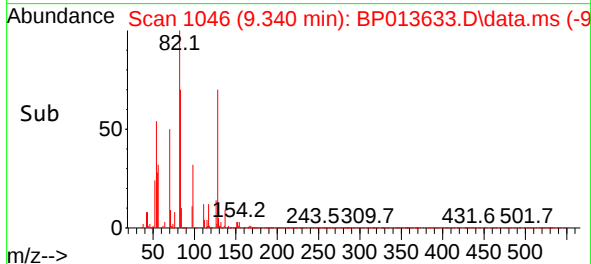
Instrument :
BNA_P
ClientSampleId :
PE-2



Tgt Ion: 82 Resp: 1070817
Ion Ratio Lower Upper
82 100
128 28.3 31.8 47.8#
54 39.2 36.2 54.2

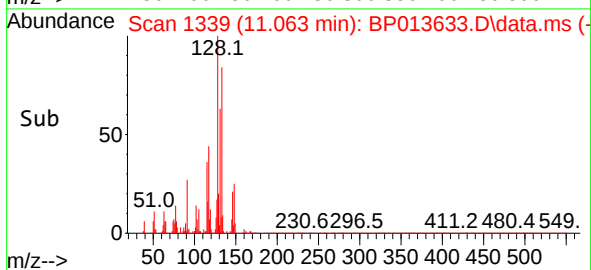
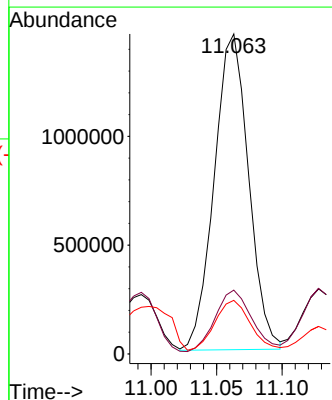
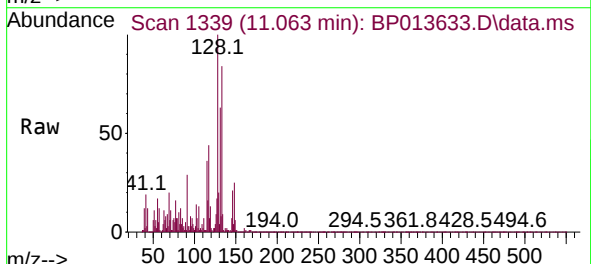
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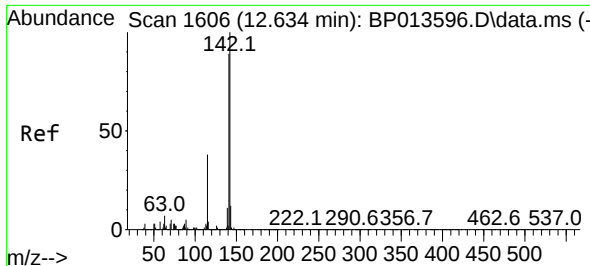
Reviewed By :Christian Giraldo 01/30/2023
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#31
Naphthalene
Concen: 117.723 ng
RT: 11.063 min Scan# 1339
Delta R.T. 0.023 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

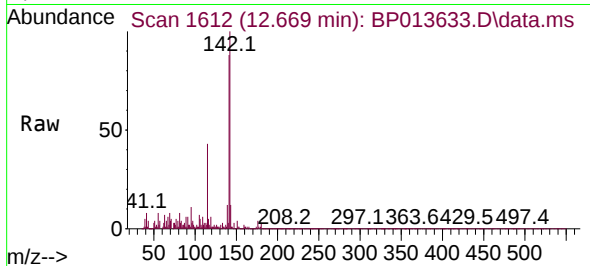
Tgt Ion:128 Resp: 2651984
Ion Ratio Lower Upper
128 100
129 19.9 8.9 13.3#
127 16.8 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 311.814 ng
RT: 12.669 min Scan# 1612
Delta R.T. 0.035 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

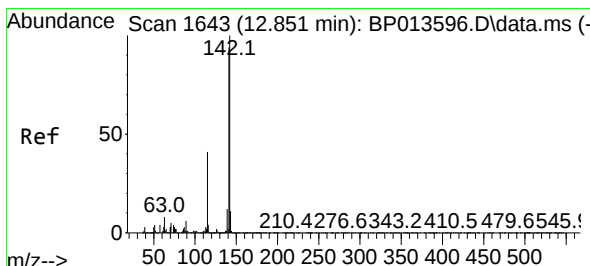
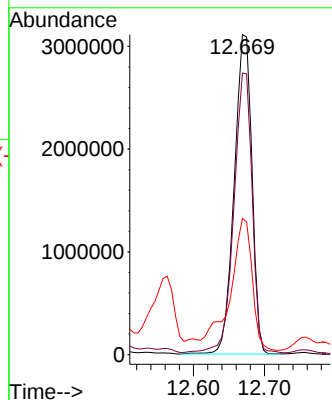
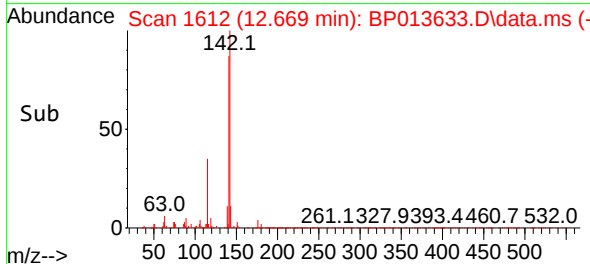
Instrument :
BNA_P
ClientSampleId :
PE-2



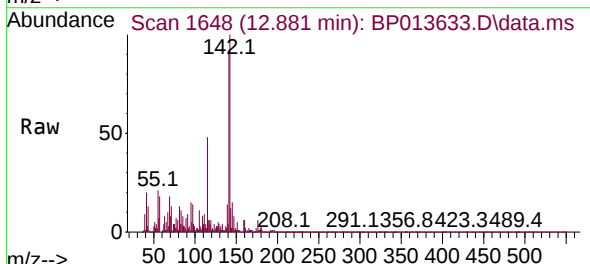
Tgt Ion:142 Resp: 536838
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
115 42.6 30.6 46.0

Manual Integrations
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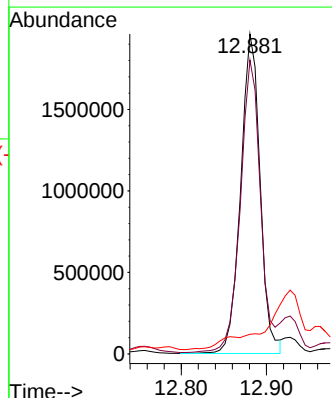
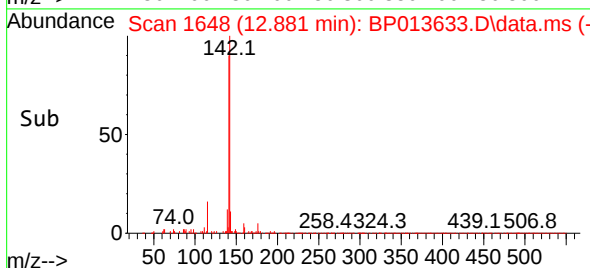
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

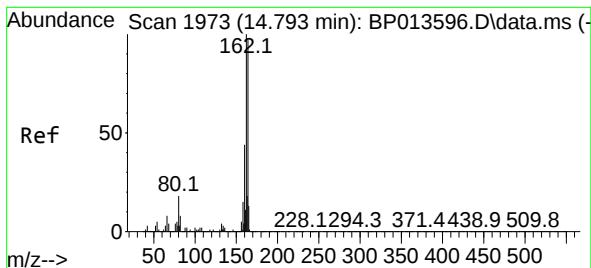


#38
1-Methylnaphthalene
Concen: 192.488 ng
RT: 12.881 min Scan# 1648
Delta R.T. 0.030 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58



Tgt Ion:142 Resp: 3101737
Ion Ratio Lower Upper
142 100
141 91.8 75.5 113.3
116 6.1 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.828 min Scan# 1973

Delta R.T. 0.035 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Instrument :

BNA_P

ClientSampleId :

PE-2

Tgt Ion:164 Resp: 46762

Ion Ratio Lower Upper

164 100

162 89.0 82.3 123.5

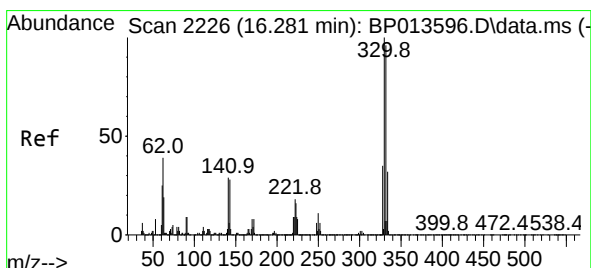
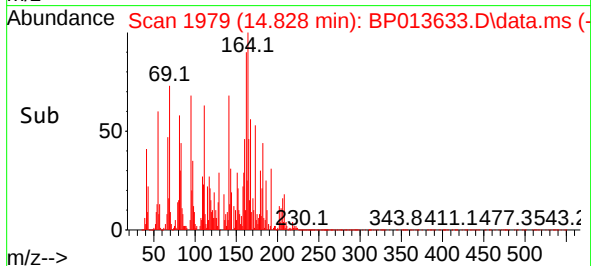
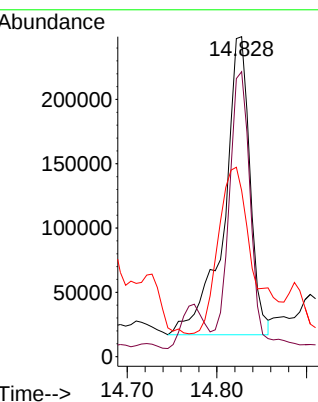
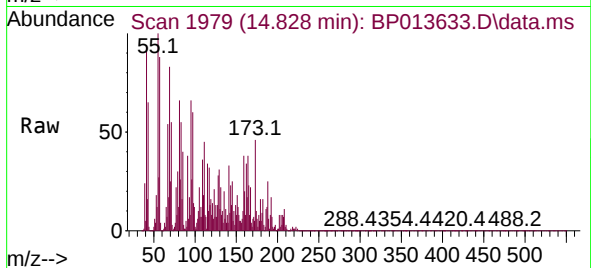
160 51.9 36.6 54.8

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 53.002 ng

RT: 16.316 min Scan# 2232

Delta R.T. 0.035 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

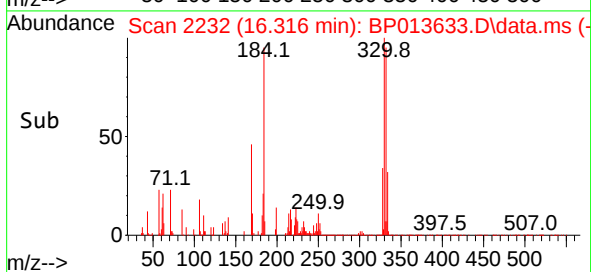
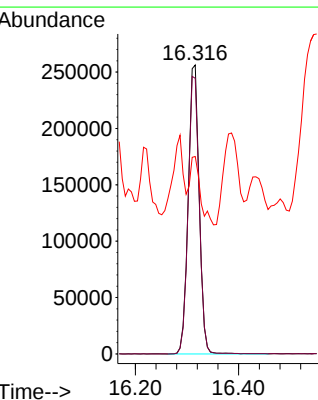
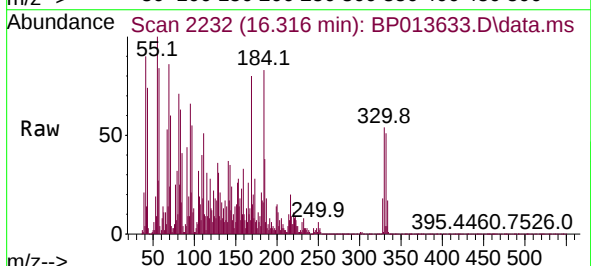
Tgt Ion:330 Resp: 377349

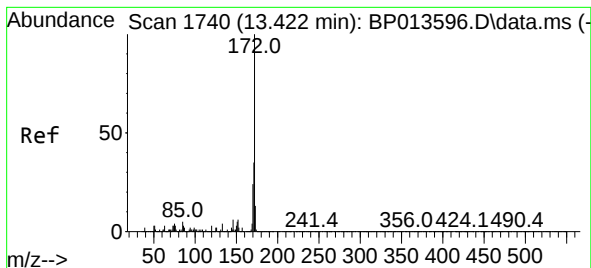
Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.4

141 22.7 23.3 34.9#





#45

2-Fluorobiphenyl

Concen: 50.582 ng

RT: 13.445 min Scan# 1744

Delta R.T. 0.023 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Instrument :

BNA_P

ClientSampleId :

PE-2

Tgt Ion:172 Resp: 1656162

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

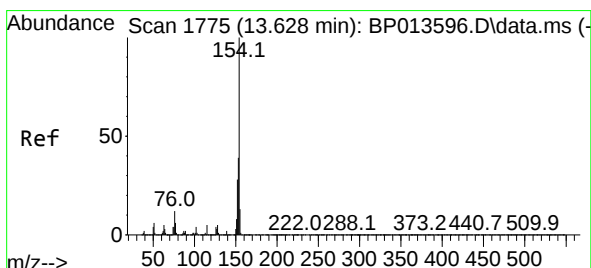
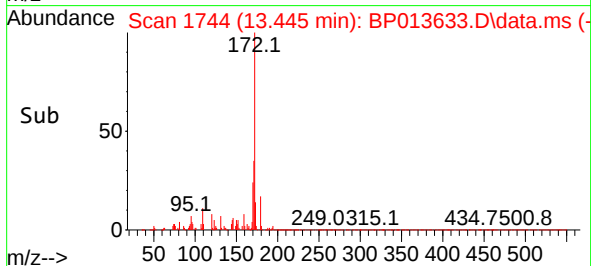
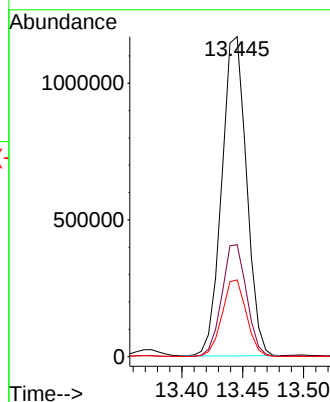
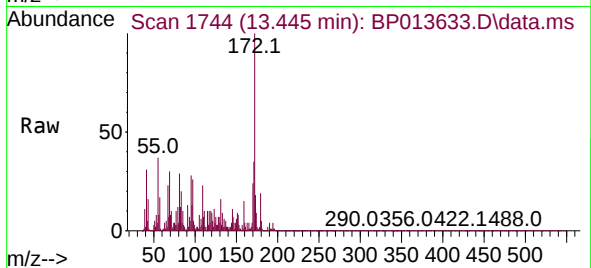
170 24.0 19.1 28.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/30/2023



#46

1,1'-Biphenyl

Concen: 37.182 ng

RT: 13.657 min Scan# 1780

Delta R.T. 0.029 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

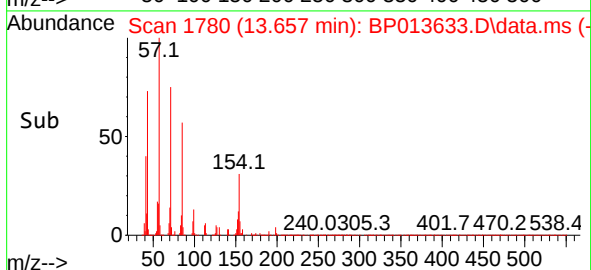
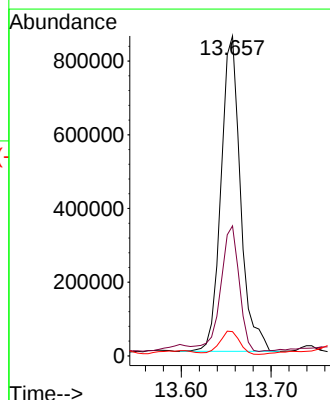
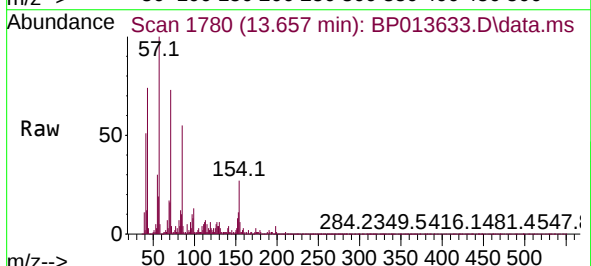
Tgt Ion:154 Resp: 1295651

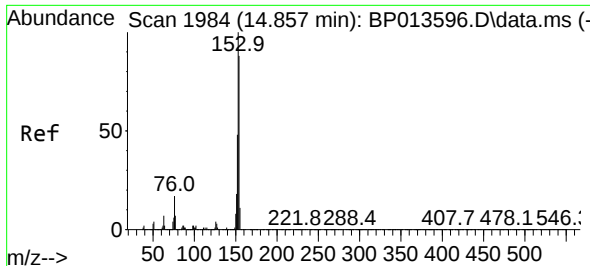
Ion Ratio Lower Upper

154 100

153 40.6 18.9 58.9

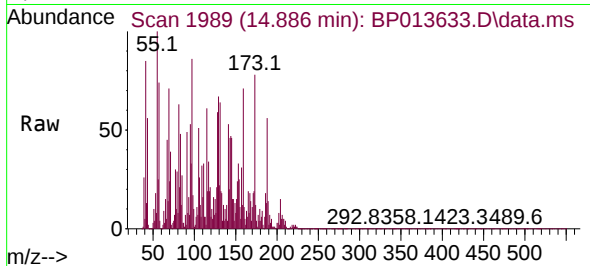
76 7.6 0.0 32.1





#52
Acenaphthene
Concen: 7.902 ng
RT: 14.886 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

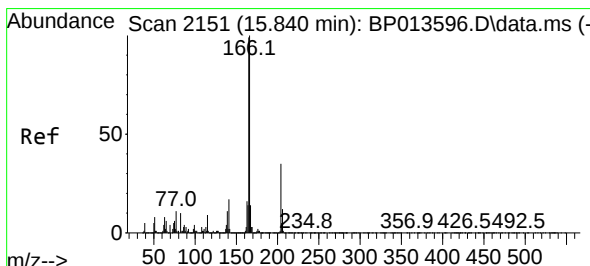
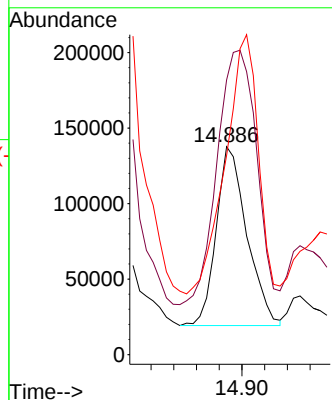
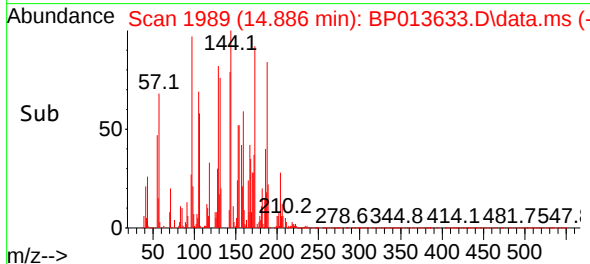
Instrument :
BNA_P
ClientSampleId :
PE-2



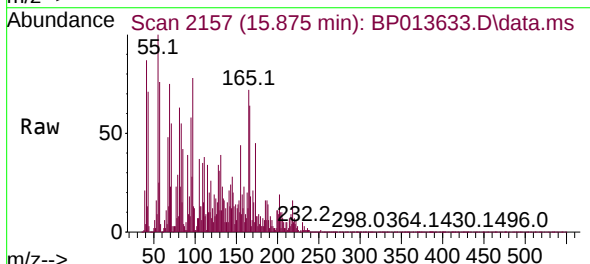
Tgt Ion:154 Resp: 221826
Ion Ratio Lower Upper
154 100
153 132.1 91.0 136.6
152 95.8 44.0 66.0

Manual Integrations
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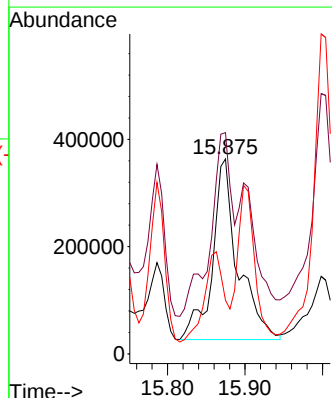
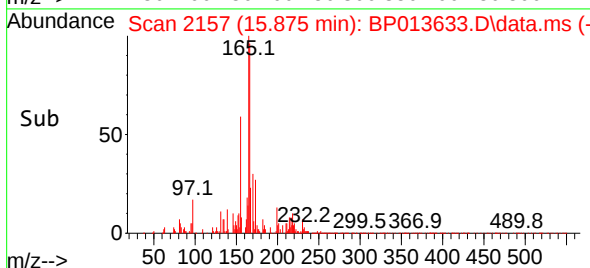
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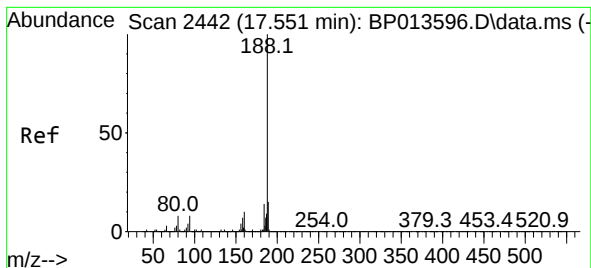


#58
Fluorene
Concen: 23.066 ng
RT: 15.875 min Scan# 2157
Delta R.T. 0.035 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58



Tgt Ion:166 Resp: 775533
Ion Ratio Lower Upper
166 100
165 113.4 79.4 119.0
167 27.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.580 min Scan# 2442

Delta R.T. 0.029 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Instrument :

BNA_P

ClientSampleId :

PE-2

Tgt Ion:188 Resp: 68902

Ion Ratio Lower Upper

188 100

94 13.2 6.1 9.1

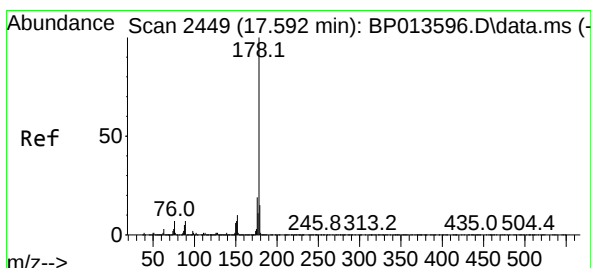
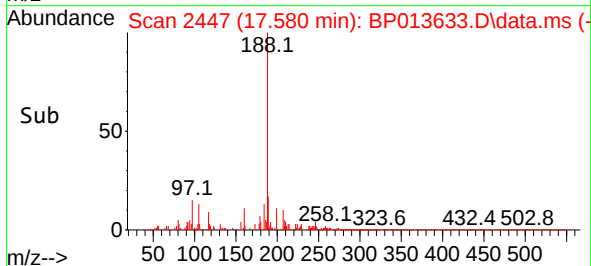
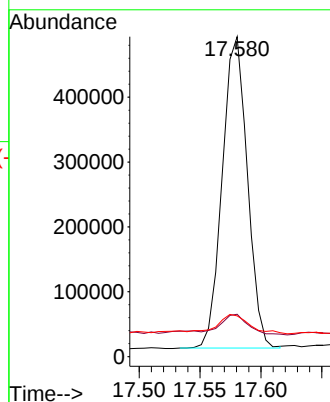
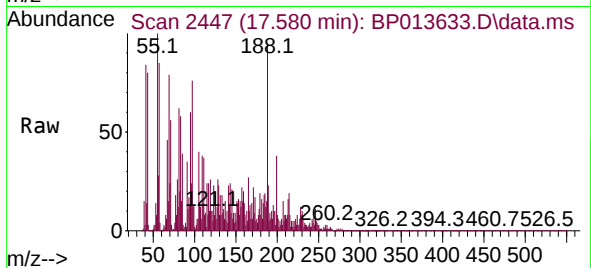
80 12.7 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/30/2023

Supervised By :Jagrut Upadhyay 01/30/2023



#71

Phenanthrene

Concen: 26.652 ng

RT: 17.622 min Scan# 2454

Delta R.T. 0.029 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

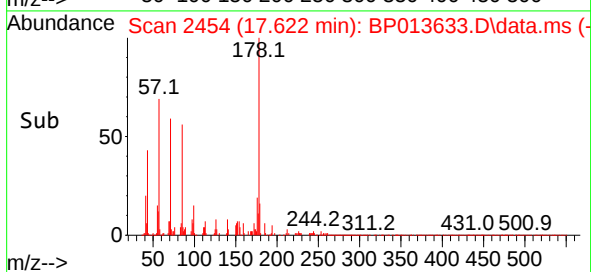
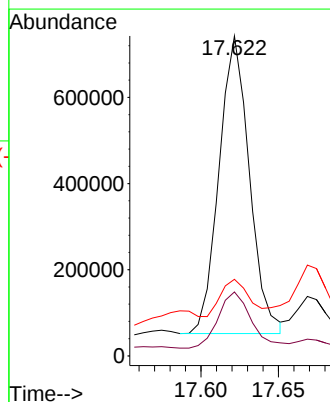
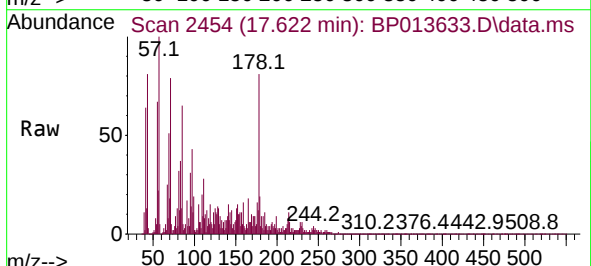
Tgt Ion:178 Resp: 941830

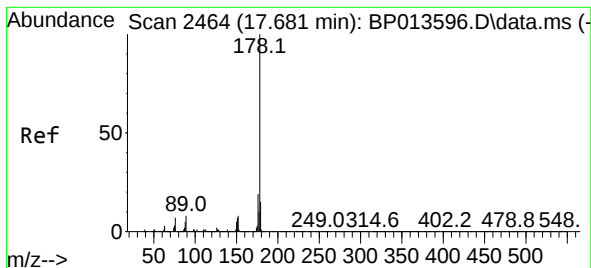
Ion Ratio Lower Upper

178 100

176 20.0 15.3 22.9

179 23.9 12.2 18.4





#72

Anthracene

Concen: 3.129 ng m

RT: 17.669 min Scan# 2464

Delta R.T. -0.012 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Instrument :

BNA_P

ClientSampleId :

PE-2

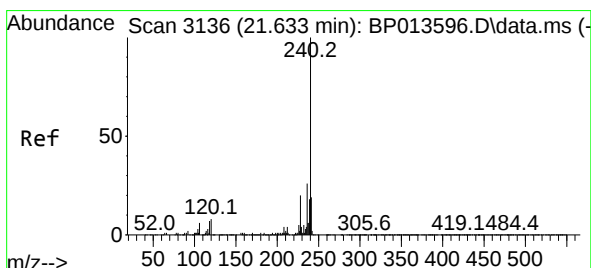
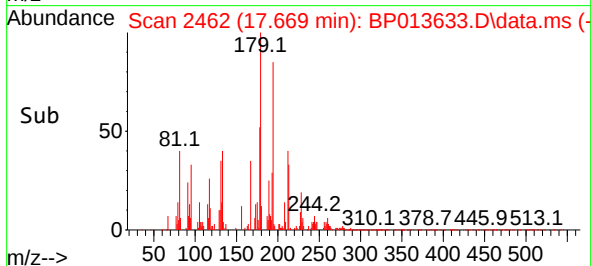
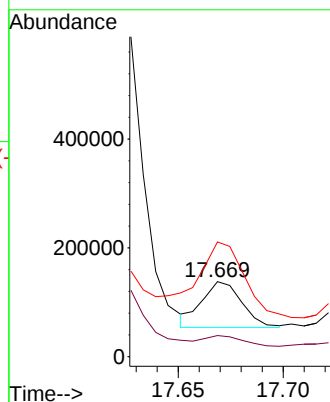
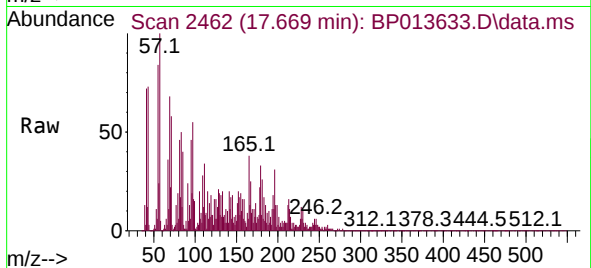
Tgt Ion:178 Resp: 111732

Ion	Ratio	Lower	Upper
178	100		
176	28.1	15.0	22.4
179	152.9	12.3	18.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.633 min Scan# 3136

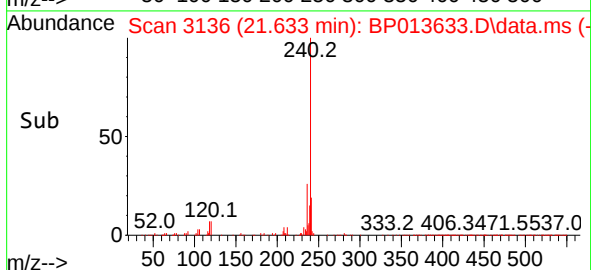
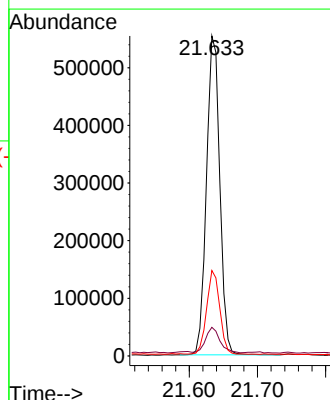
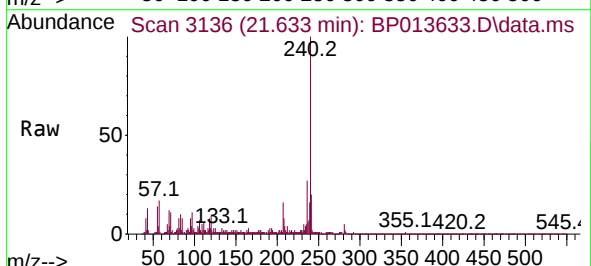
Delta R.T. -0.000 min

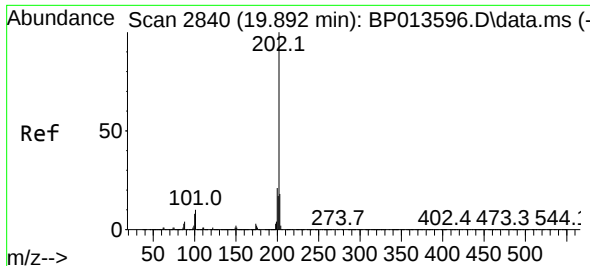
Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Tgt Ion:240 Resp: 751330

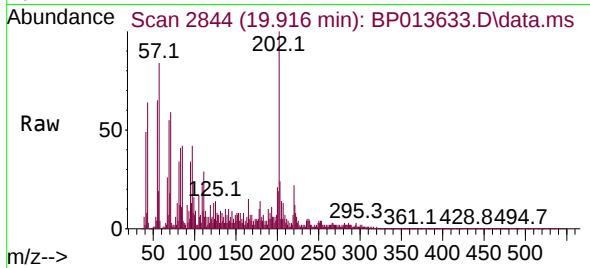
Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.7	10.1
236	26.7	20.7	31.1





#78
Pyrene
Concen: 12.377 ng
RT: 19.916 min Scan# 2844
Delta R.T. 0.023 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

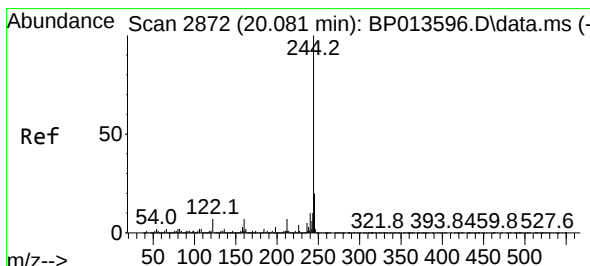
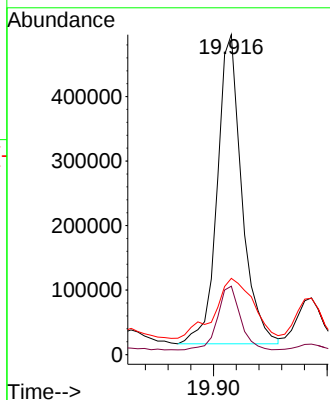
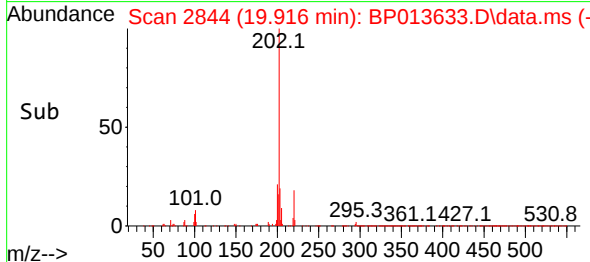
Instrument :
BNA_P
ClientSampleId :
PE-2



Tgt Ion:202 Resp: 719676
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 23.8 14.2 21.2

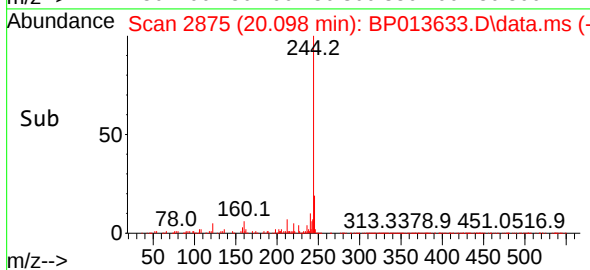
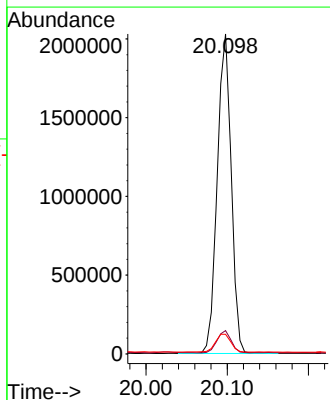
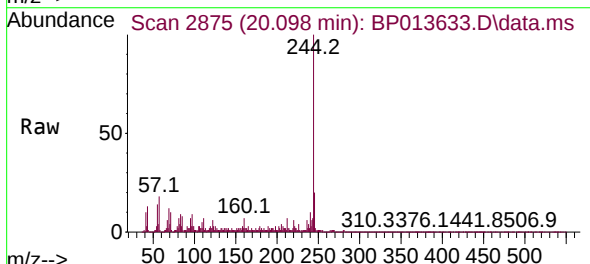
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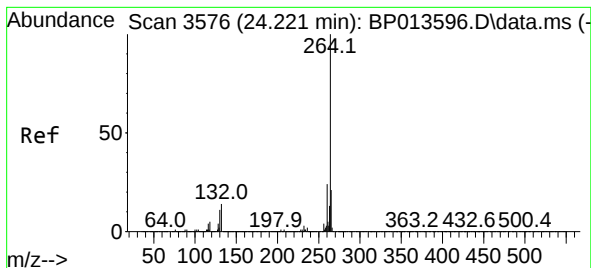
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#79
Terphenyl-d14
Concen: 56.755 ng
RT: 20.098 min Scan# 2875
Delta R.T. 0.017 min
Lab File: BP013633.D
Acq: 27 Jan 2023 23:58

Tgt Ion:244 Resp: 2416472
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 6.1 5.3 7.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.221 min Scan# 3576

Delta R.T. -0.000 min

Lab File: BP013633.D

Acq: 27 Jan 2023 23:58

Instrument :

BNA_P

ClientSampleId :

PE-2

Tgt Ion:264 Resp: 956404

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.4 17.4 26.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023

Supervised By :Jagrut Upadhyay 01/30/2023

