

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013023\
 Data File : BP013665.D
 Acq On : 31 Jan 2023 02:35
 Operator : CG/JU
 Sample : 01329-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-6-BORING-2-7-14

Quant Time: Jan 31 04:47:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 31 04:38:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	277168	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	1011920	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	594013	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	1213792	20.000	ng	#-0.01
76) Chrysene-d12	21.604	240	1169983	20.000	ng	-0.02
86) Perylene-d12	24.180	264	1407738	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1735319	112.193	ng	0.00
7) Phenol-d6	7.287	99	2186549	104.647	ng	-0.01
23) Nitrobenzene-d5	9.316	82	1136768	61.727	ng	-0.01
42) 2,4,6-Tribromophenol	16.263	330	802753	88.763	ng	-0.01
45) 2-Fluorobiphenyl	13.404	172	3061848	73.618	ng	0.00
79) Terphenyl-d14	20.057	244	4187084	63.152	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.575	178	127839	2.054	ng	99
74) Di-n-butylphthalate	18.463	149	7290	3.700	ng	98
75) Fluoranthene	19.522	202	234707	3.023	ng	98
78) Pyrene	19.875	202	218738	2.416	ng	99
84) Bis(2-ethylhexyl)phtha...	21.492	149	11672	3.994	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.898	276	252885	2.555	ng	99
88) Benzo(b)fluoranthene	23.386	252	292237	3.233	ng	# 97
89) Benzo(k)fluoranthene	23.439	252	186694m	2.081	ng	
90) Benzo(a)pyrene	24.063	252	204451	2.403	ng	# 95
92) Benzo(g,h,i)perylene	27.727	276	285570	3.522	ng	95

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

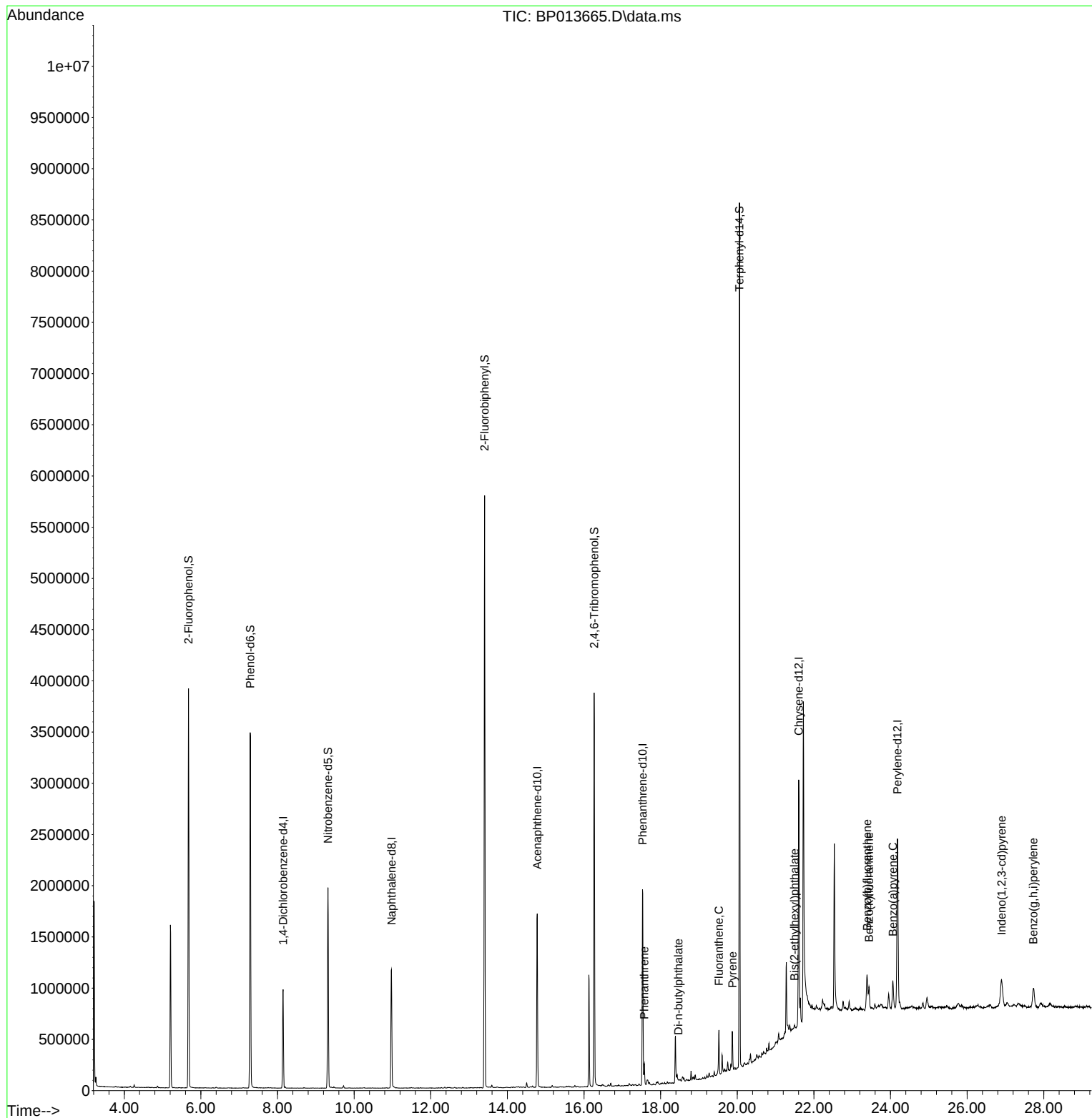
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013023\
Data File : BP013665.D
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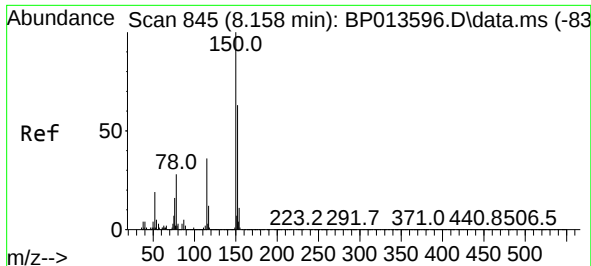
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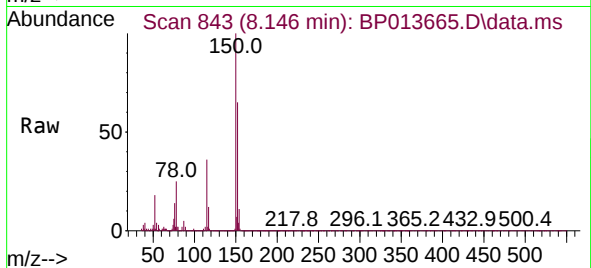
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

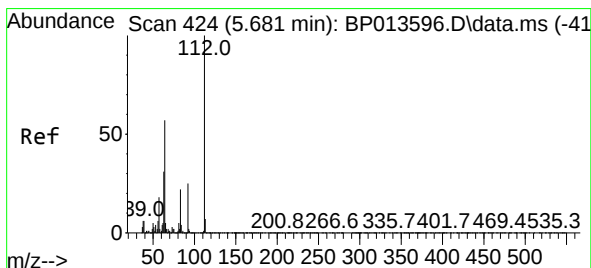
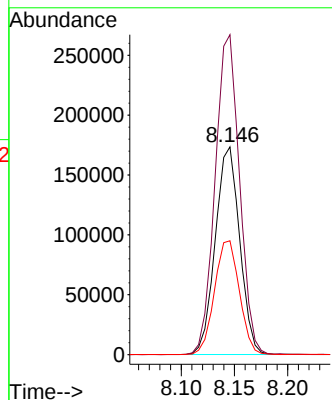
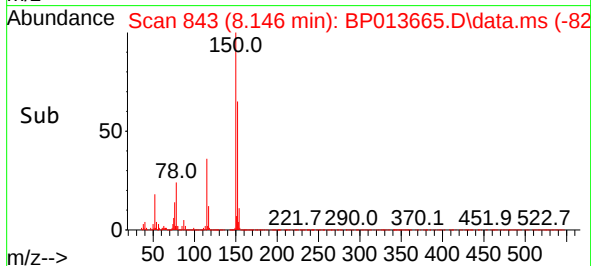
Instrument :
BNA_P
ClientSampleId :
COMP-6-BORING-2-7-14



Tgt Ion:152 Resp: 277168
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 54.8 45.1 67.7

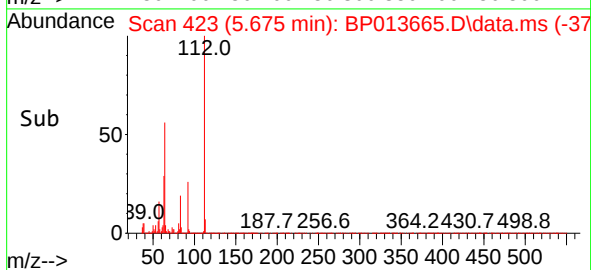
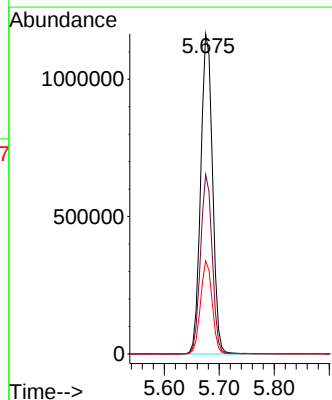
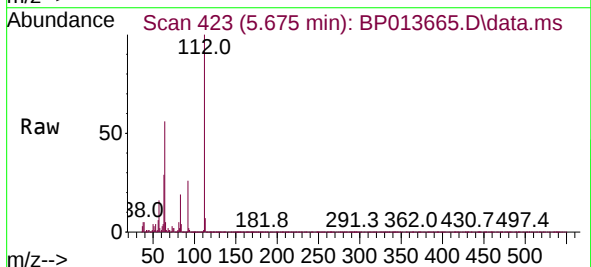
Manual Integrations
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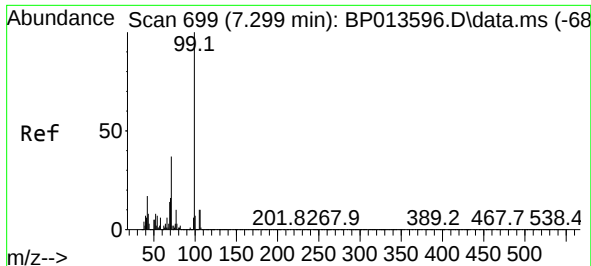
Reviewed By :Christian Giraldo 01/31/2023
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#5
2-Fluorophenol
Concen: 112.193 ng
RT: 5.675 min Scan# 423
Delta R.T. -0.006 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

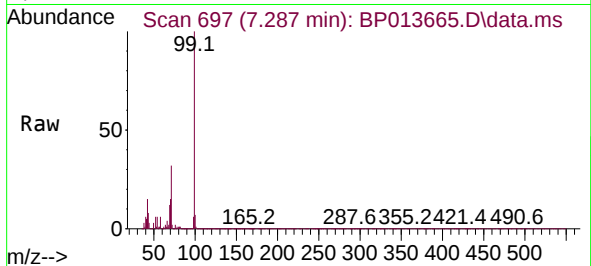
Tgt Ion:112 Resp: 1735319
Ion Ratio Lower Upper
112 100
64 56.0 45.5 68.3
63 29.1 25.1 37.7





#7
Phenol-d6
Concen: 104.647 ng
RT: 7.287 min Scan# 699
Delta R.T. -0.012 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

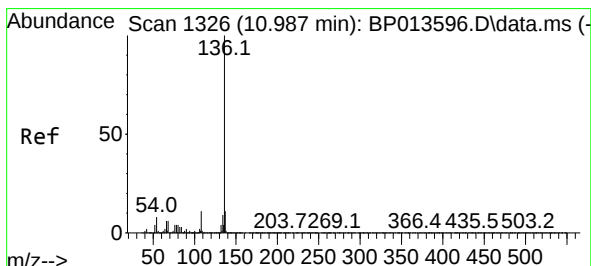
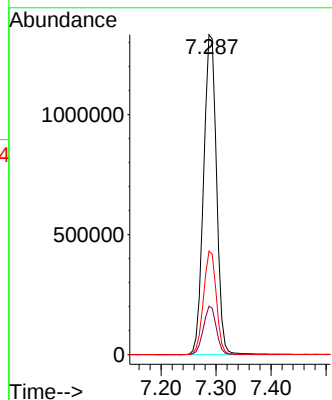
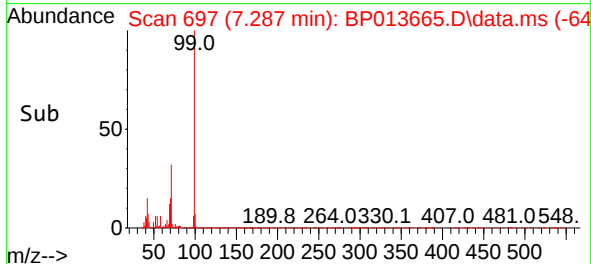
Instrument :
BNA_P
ClientSampleId :
COMP-6-BORING-2-7-14



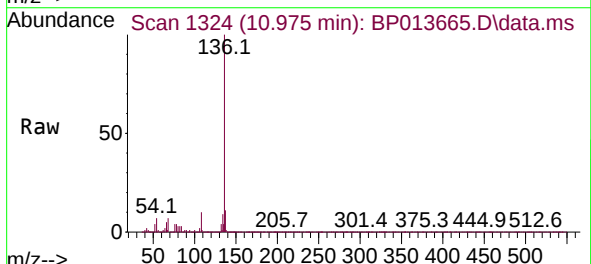
Tgt Ion: 99 Resp: 2186549
Ion Ratio Lower Upper
99 100
42 15.1 13.4 20.2
71 32.3 29.9 44.9

Manual Integrations
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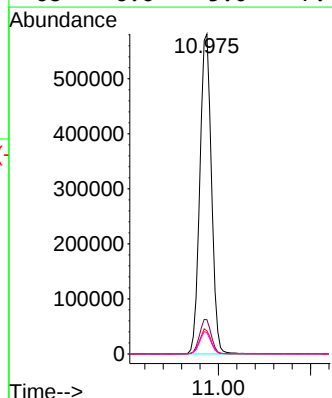
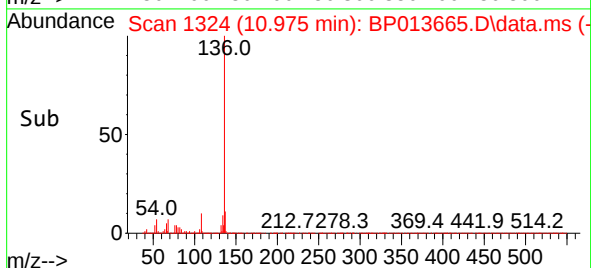
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

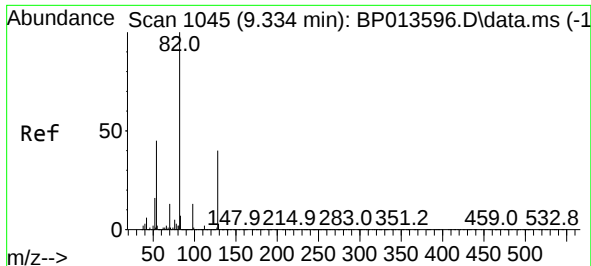


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35



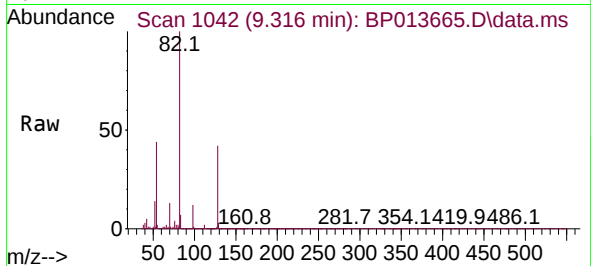
Tgt Ion:136 Resp: 1011920
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.2 6.1 9.1
68 6.6 5.0 7.4





#23
Nitrobenzene-d5
Concen: 61.727 ng
RT: 9.316 min Scan# 1042
Delta R.T. -0.012 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

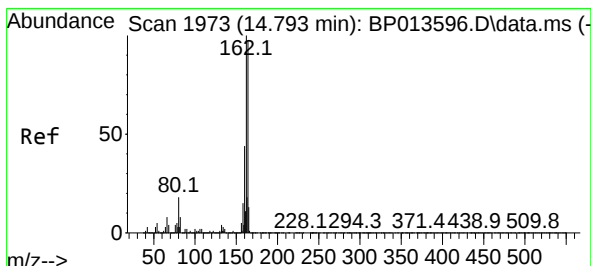
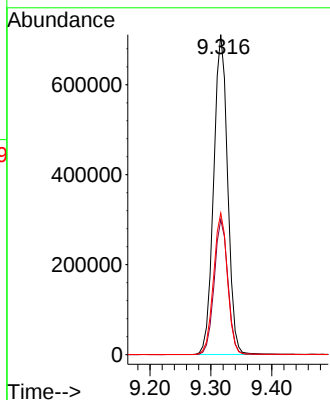
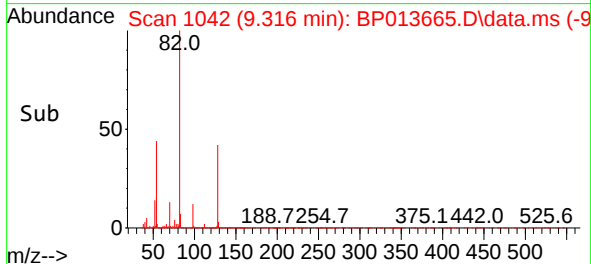
Instrument :
BNA_P
ClientSampleId :
COMP-6-BORING-2-7-14



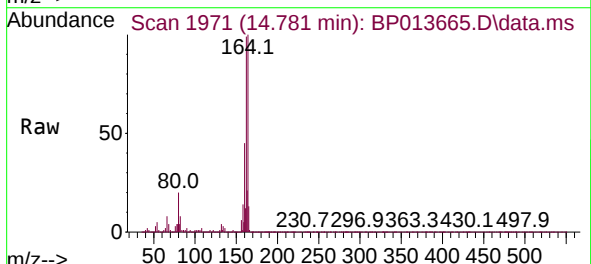
Tgt Ion: 82 Resp: 1136768
Ion Ratio Lower Upper
82 100
128 42.2 31.8 47.8
54 44.2 36.2 54.2

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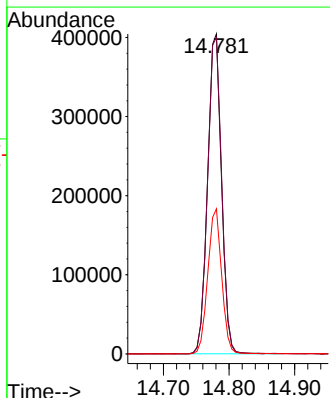
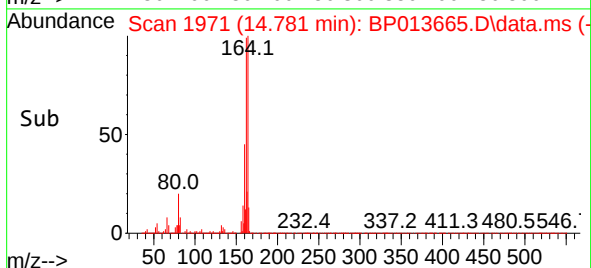
Reviewed By :Christian Giraldo 01/31/2023
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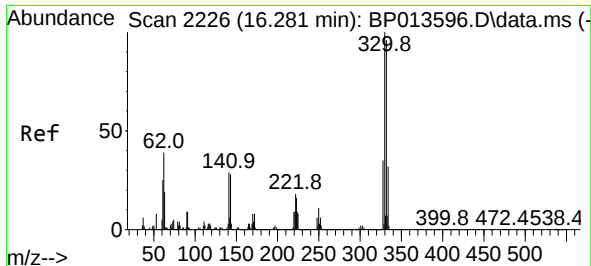


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35



Tgt Ion:164 Resp: 594013
Ion Ratio Lower Upper
164 100
162 98.9 82.3 123.5
160 45.3 36.6 54.8





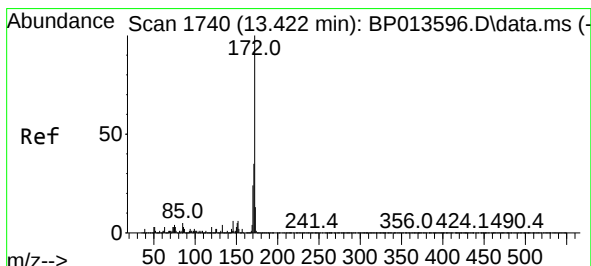
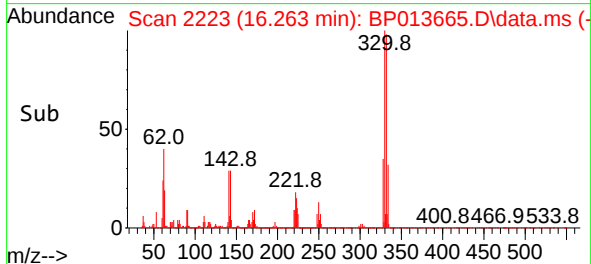
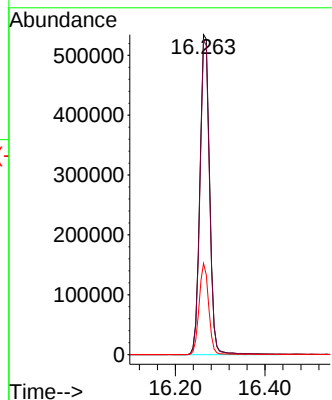
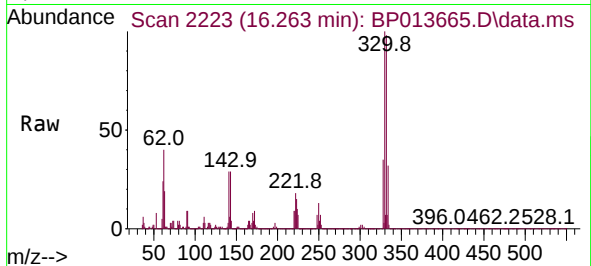
#42
2,4,6-Tribromophenol
Concen: 88.763 ng
RT: 16.263 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

Instrument :
BNA_P
ClientSampleId :
COMP-6-BORING-2-7-14

Tgt Ion:330 Resp: 802753
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 27.9 23.3 34.9

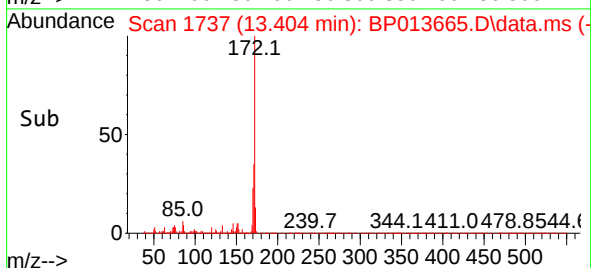
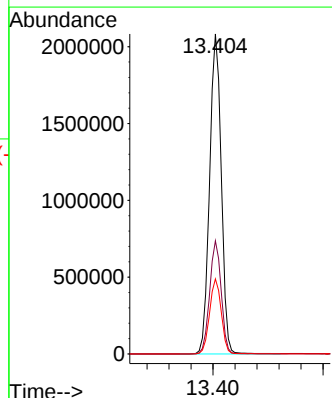
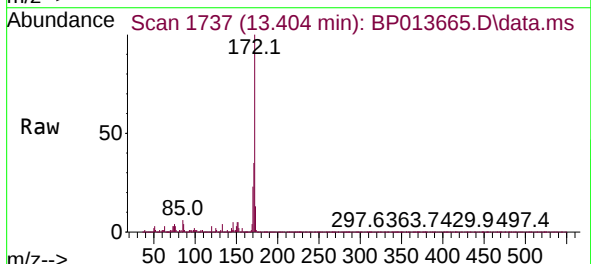
Manual Integrations
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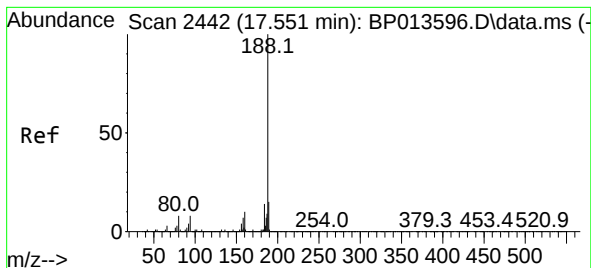
Reviewed By :Christian Giraldo 01/31/2023
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#45
2-Fluorobiphenyl
Concen: 73.618 ng
RT: 13.404 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

Tgt Ion:172 Resp: 3061848
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.4 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.528 min Scan# 24

Delta R.T. -0.012 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

COMP-6-BORING-2-7-14

Tgt Ion:188 Resp: 1213792

Ion Ratio Lower Upper

188 100

94 9.2 6.1 9.1

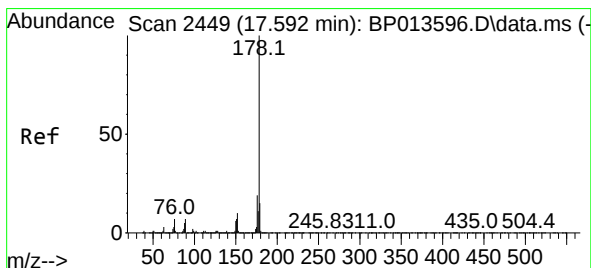
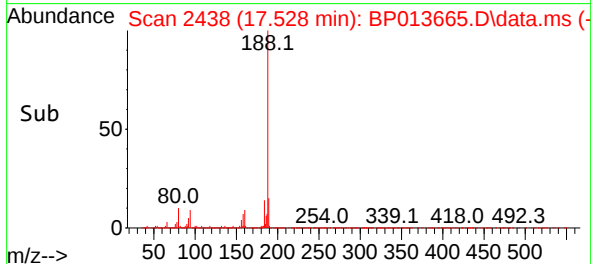
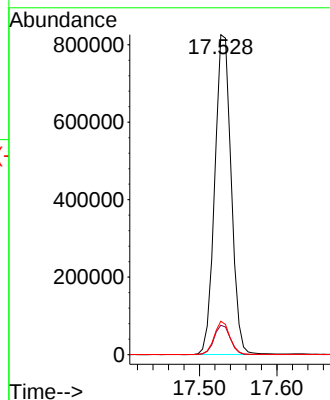
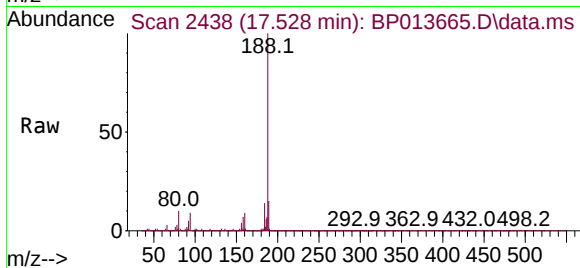
80 10.4 6.6 10.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/31/2023



#71

Phenanthrene

Concen: 2.054 ng

RT: 17.575 min Scan# 2446

Delta R.T. -0.012 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

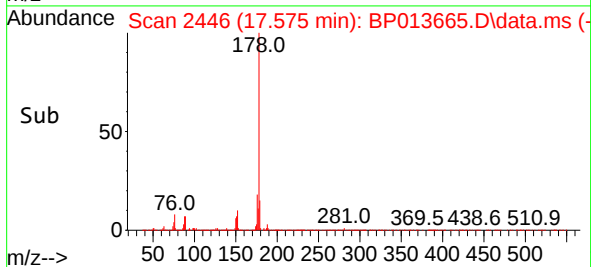
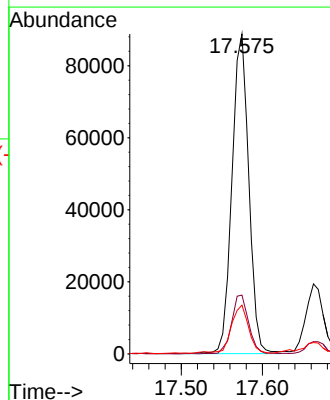
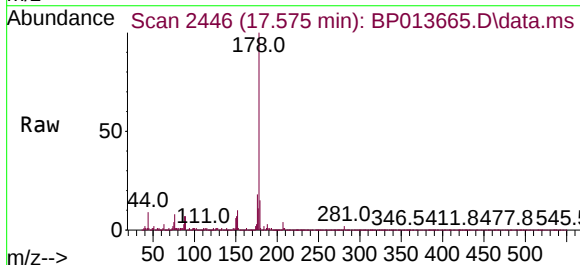
Tgt Ion:178 Resp: 127839

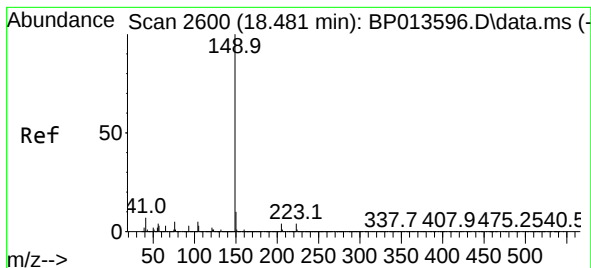
Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

179 15.2 12.2 18.4





#74

Di-n-butylphthalate

Concen: 3.700 ng

RT: 18.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013665.D

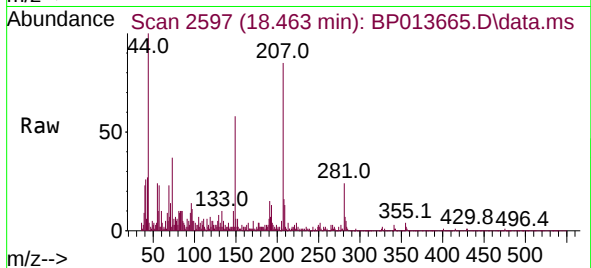
Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

COMP-6-BORING-2-7-14

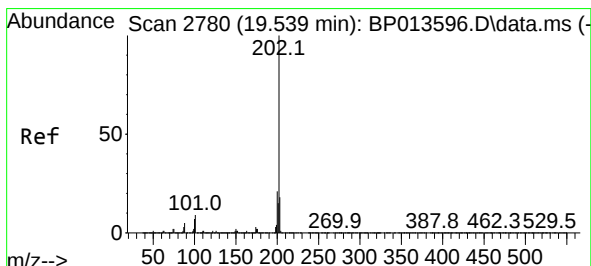
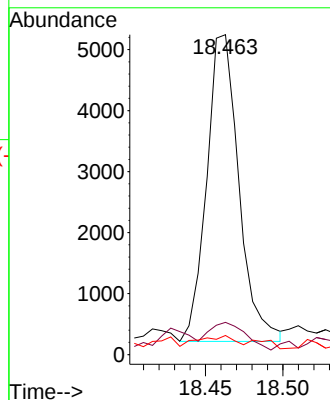
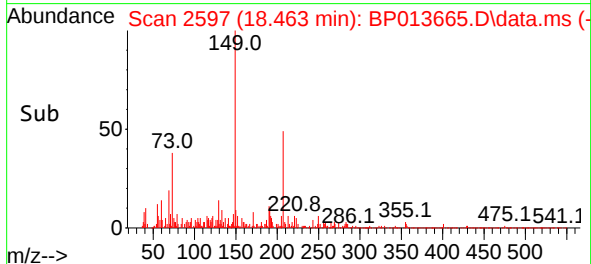


Tgt Ion:	149	Resp:	7290
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.6	11.4
104	6.0	4.4	6.6

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#75

Fluoranthene

Concen: 3.023 ng

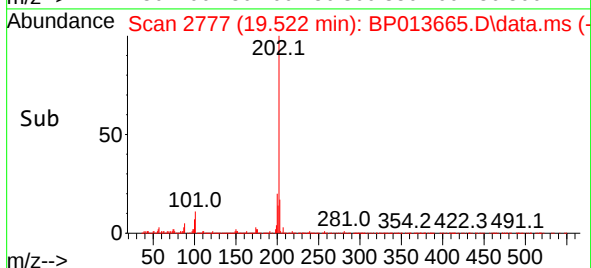
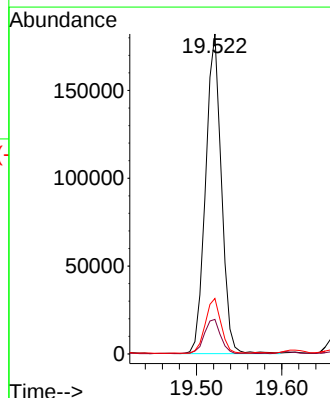
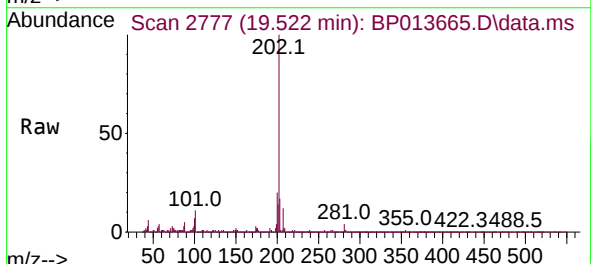
RT: 19.522 min Scan# 2777

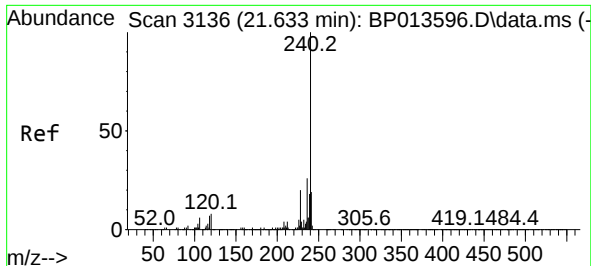
Delta R.T. -0.012 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

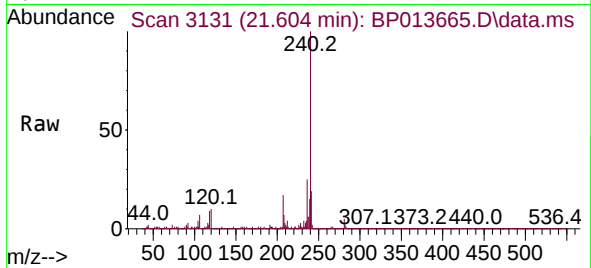
Tgt Ion:	202	Resp:	234707
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	28.9
203	17.3	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35

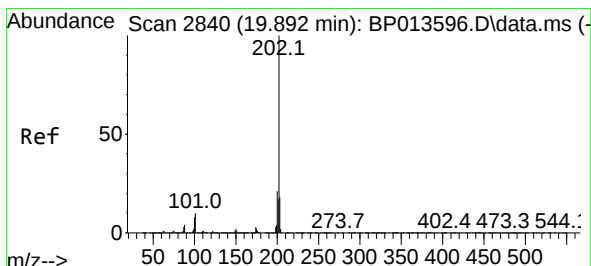
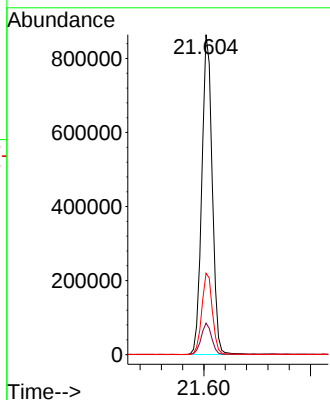
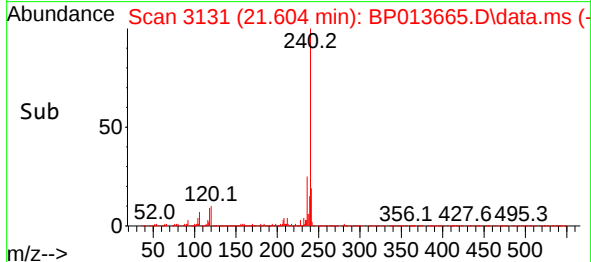
Instrument :
BNA_P
ClientSampleId :
COMP-6-BORING-2-7-14



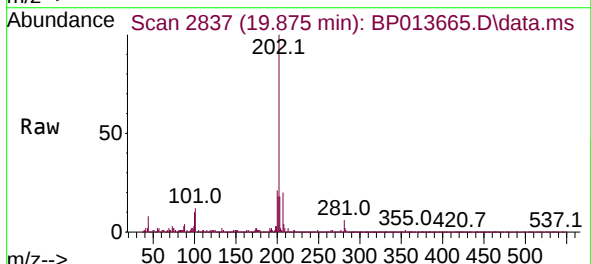
Tgt Ion:240 Resp: 1169983
Ion Ratio Lower Upper
240 100
120 9.8 6.7 10.1
236 25.4 20.7 31.1

Manual Integrations
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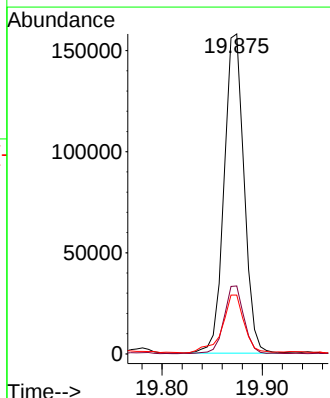
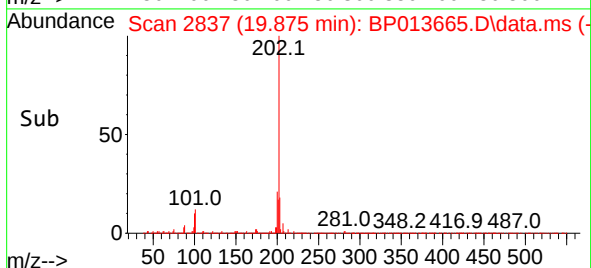
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

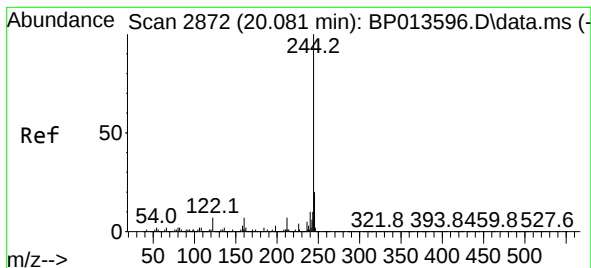


#78
Pyrene
Concen: 2.416 ng
RT: 19.875 min Scan# 2837
Delta R.T. -0.012 min
Lab File: BP013665.D
Acq: 31 Jan 2023 02:35



Tgt Ion:202 Resp: 218738
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 63.152 ng

RT: 20.057 min Scan# 2868

Delta R.T. -0.012 min

Lab File: BP013665.D

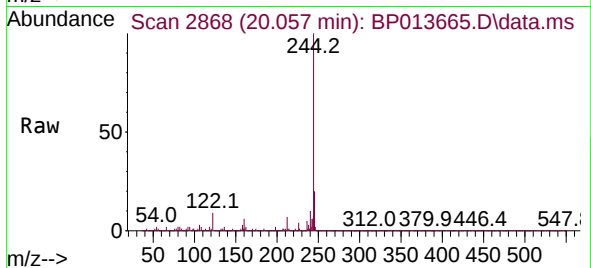
Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

COMP-6-BORING-2-7-14



Tgt Ion:244 Resp: 4187084

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

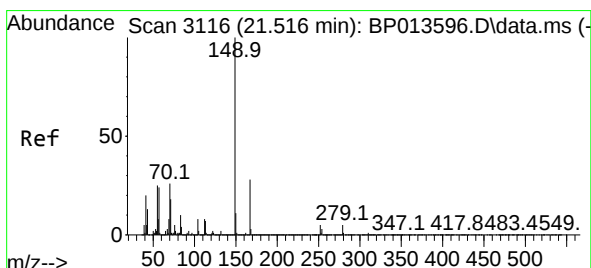
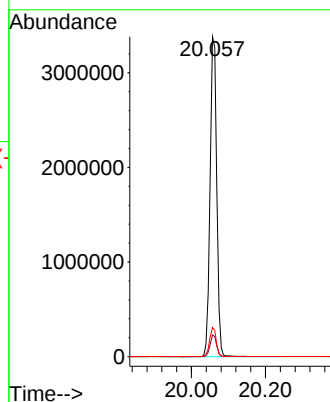
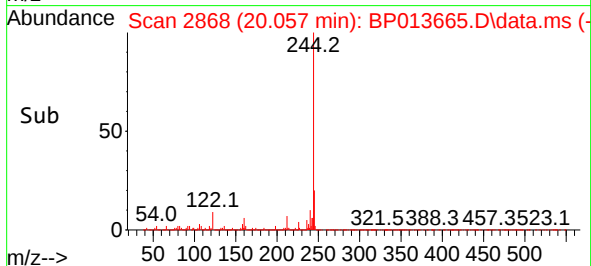
122 9.1 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.994 ng

RT: 21.492 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

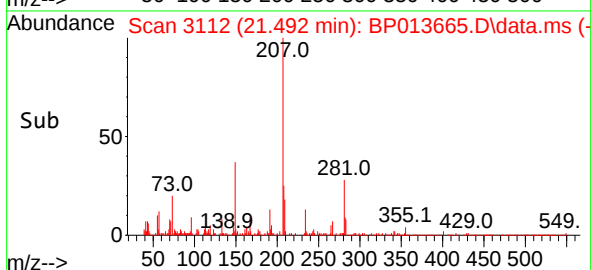
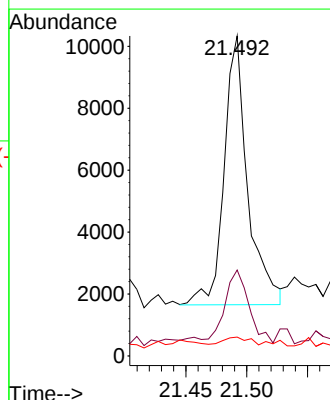
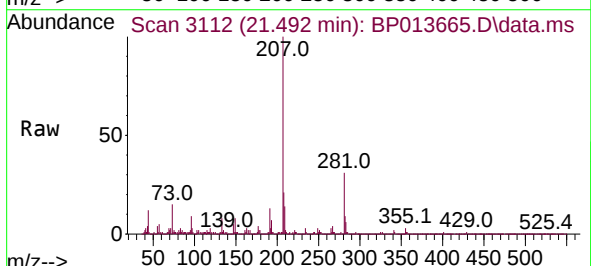
Tgt Ion:149 Resp: 11672

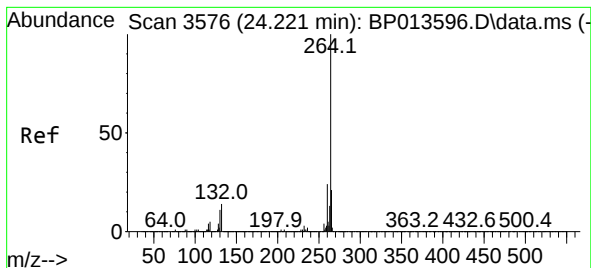
Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.4

279 5.9 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.180 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

COMP-6-BORING-2-7-14

Tgt Ion:264 Resp: 1407738

Ion Ratio Lower Upper

264 100

260 22.9 18.8 28.2

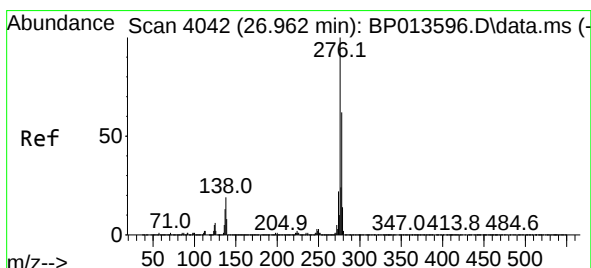
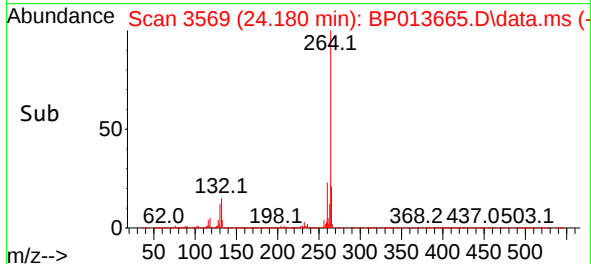
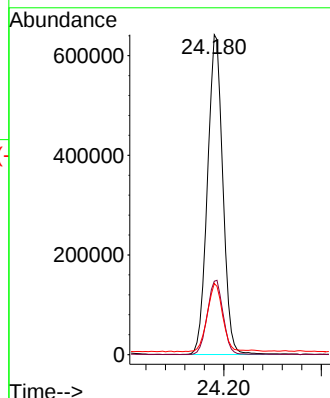
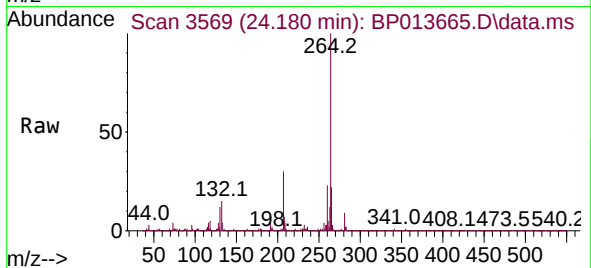
265 22.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.555 ng

RT: 26.898 min Scan# 4031

Delta R.T. -0.047 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

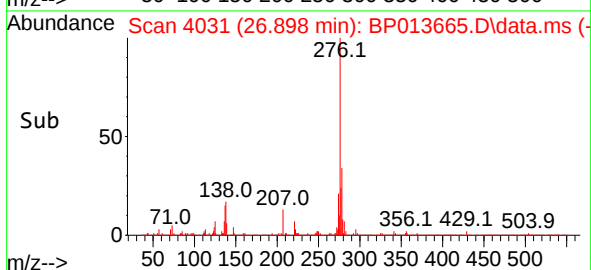
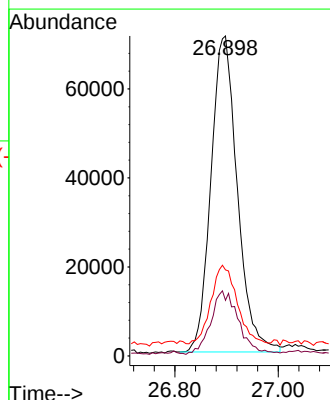
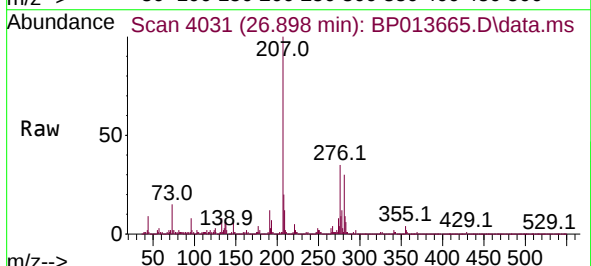
Tgt Ion:276 Resp: 252885

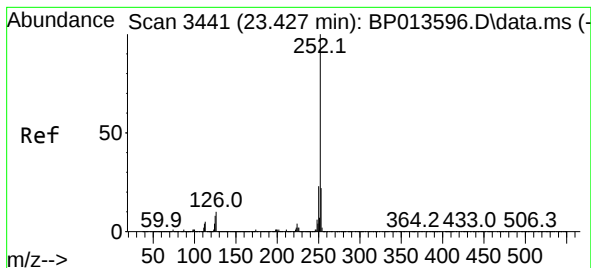
Ion Ratio Lower Upper

276 100

138 21.2 16.4 24.6

277 25.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 3.233 ng

RT: 23.386 min Scan# 3441

Delta R.T. -0.024 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

COMP-6-BORING-2-7-14

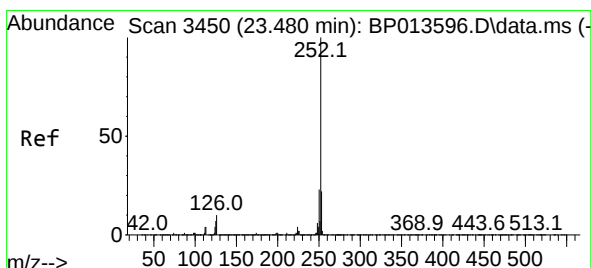
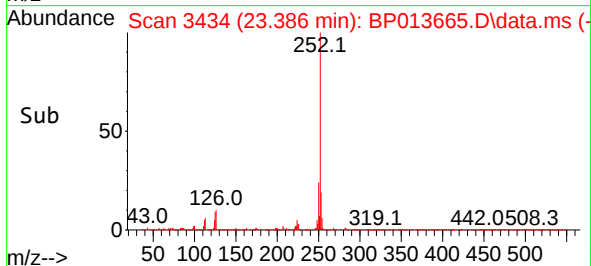
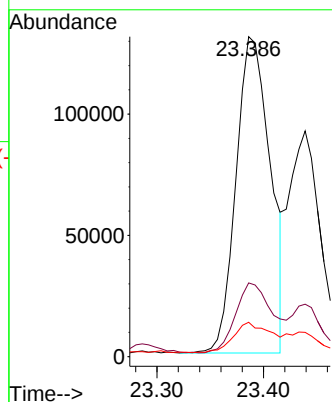
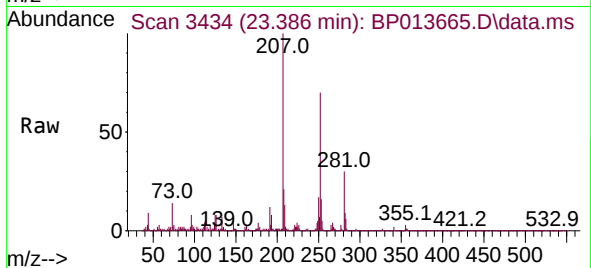
Tgt Ion:252 Resp: 292237
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 10.7 6.2 9.4

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#89

Benzo(k)fluoranthene

Concen: 2.081 ng m

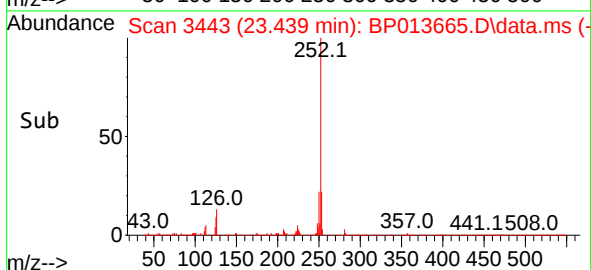
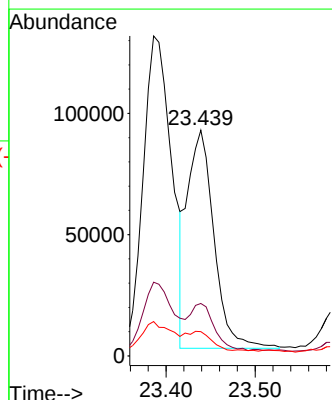
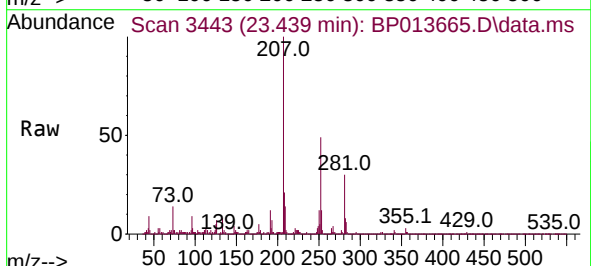
RT: 23.439 min Scan# 3443

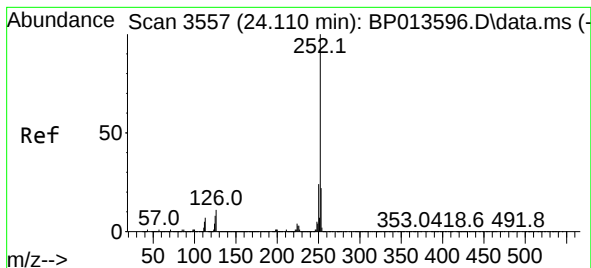
Delta R.T. -0.024 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Tgt Ion:252 Resp: 186694
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.6 26.4
 125 10.7 5.9 8.9





#90

Benzo(a)pyrene

Concen: 2.403 ng

RT: 24.063 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Instrument :

BNA_P

ClientSampleId :

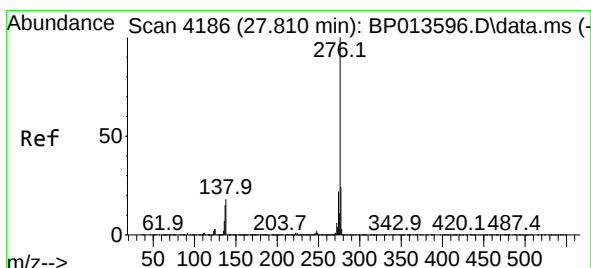
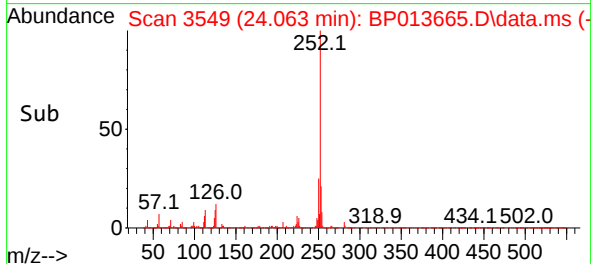
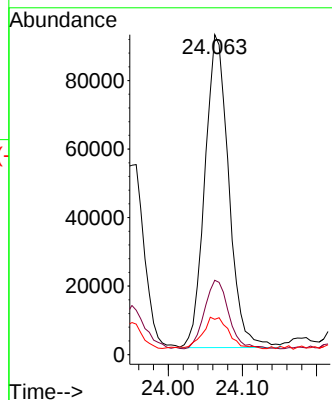
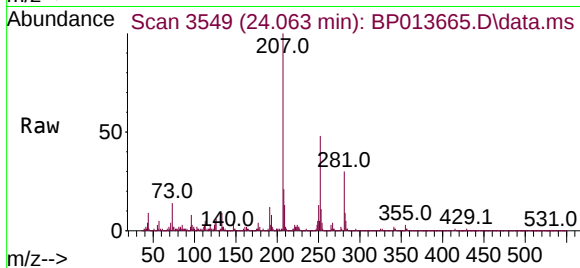
COMP-6-BORING-2-7-14

Tgt Ion:	252	Resp:	20445
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	11.0	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#92

Benzo(g,h,i)perylene

Concen: 3.522 ng

RT: 27.727 min Scan# 4172

Delta R.T. -0.059 min

Lab File: BP013665.D

Acq: 31 Jan 2023 02:35

Tgt Ion:	276	Resp:	285570
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.9	28.3
138	19.1	14.3	21.5

