

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013023\
 Data File : BP013666.D
 Acq On : 31 Jan 2023 03:09
 Operator : CG/JU
 Sample : 01322-01DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-1-26-2023DL

Quant Time: Jan 31 04:47:27 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	283549	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	1090080	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	700339	20.000	ng	0.00
64) Phenanthrene-d10	17.534	188	1598423	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1596794	20.000	ng	-0.01
86) Perylene-d12	24.186	264	1839043	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	293911	18.574	ng	0.00
7) Phenol-d6	7.287	99	390457	18.267	ng	-0.01
23) Nitrobenzene-d5	9.316	82	151328	7.628	ng	-0.01
42) 2,4,6-Tribromophenol	16.263	330	158859	14.899	ng	-0.01
45) 2-Fluorobiphenyl	13.404	172	545859	11.132	ng	0.00
79) Terphenyl-d14	20.057	244	914363	10.105	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.504	152	221352	3.370	ng	97
58) Fluorene	15.822	166	160073	3.179	ng	99
71) Phenanthrene	17.575	178	1976497	24.110	ng	100
72) Anthracene	17.663	178	501811	6.058	ng	99
75) Fluoranthene	19.522	202	1352166	13.224	ng	98
78) Pyrene	19.875	202	2292538	18.551	ng	99
81) Benzo(a)anthracene	21.592	228	970256	8.629	ng	97
83) Chrysene	21.645	228	891668	8.440	ng	99
87) Indeno(1,2,3-cd)pyrene	26.898	276	439347	3.398	ng	98
88) Benzo(b)fluoranthene	23.392	252	762603	6.459	ng	# 97
89) Benzo(k)fluoranthene	23.433	252	297933m	2.542	ng	
90) Benzo(a)pyrene	24.068	252	705016	6.344	ng	97
92) Benzo(g,h,i)perylene	27.739	276	549626	5.189	ng	95

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

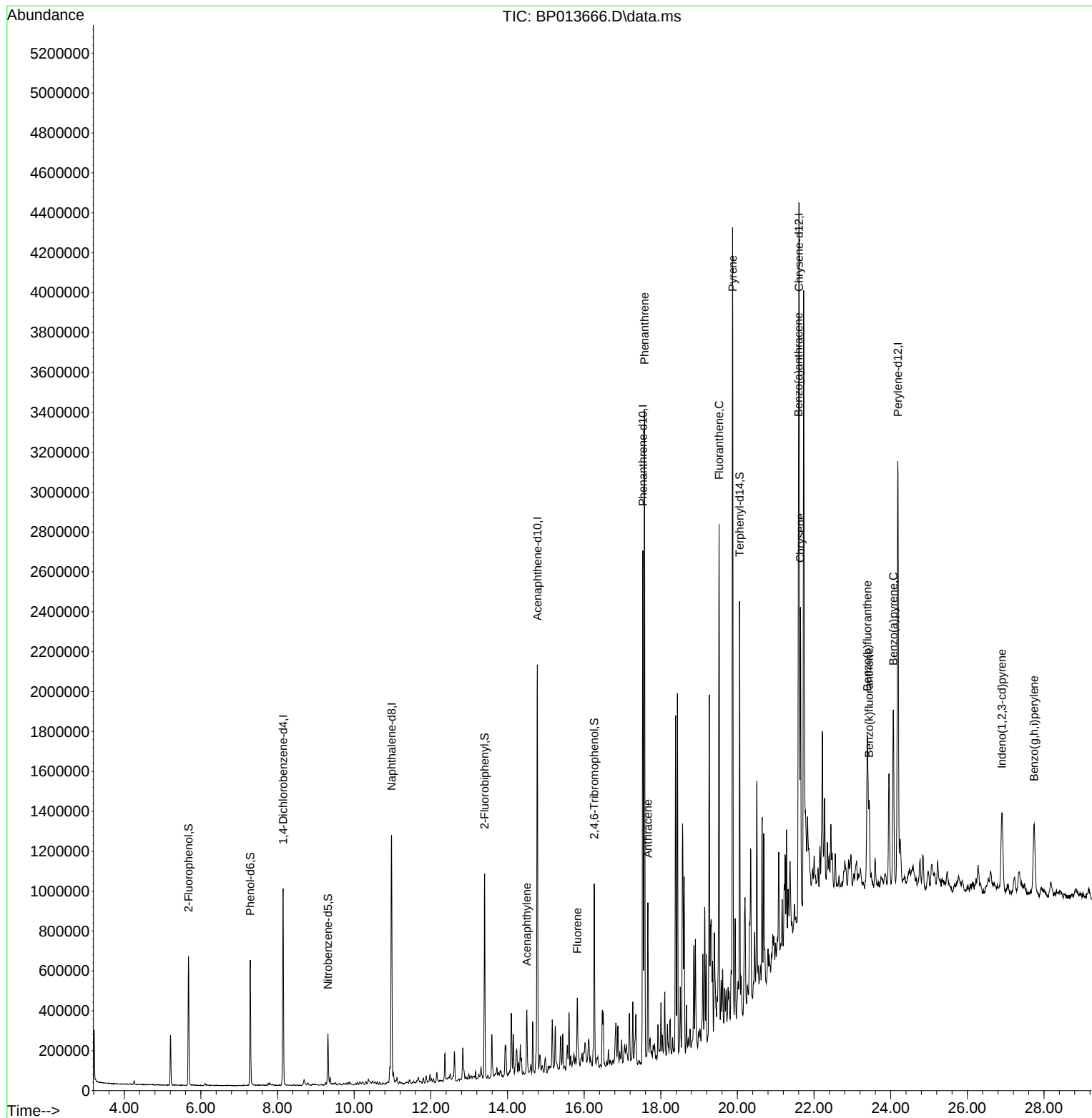
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013023\
Data File : BP013666.D
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Sample : 01322-01DL 5X
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ALS Vial : 20 Sample Multiplier: 1

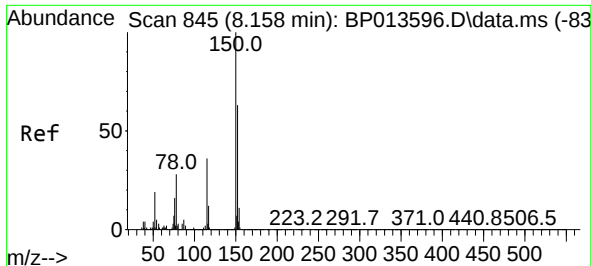
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BNA_P
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EO-01-1-26-2023DL

Quant Time: Jan 31 04:47:27 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
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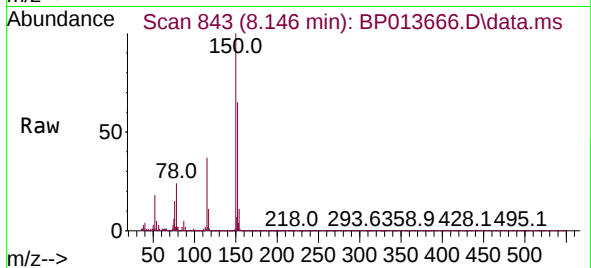
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

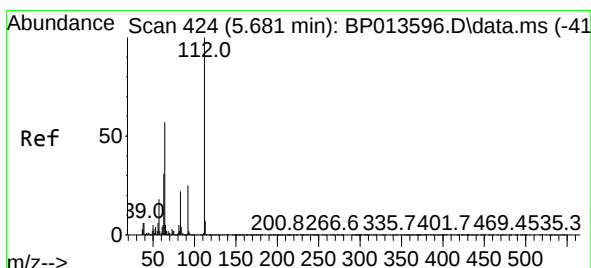
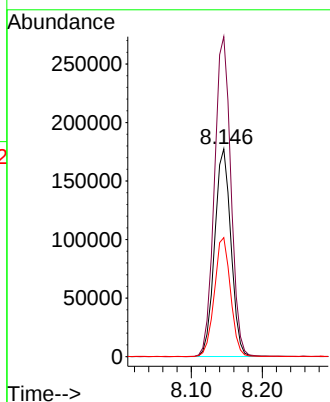
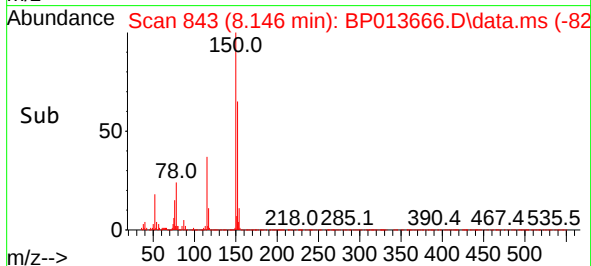
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BNA_P
ClientSampleId :
EO-01-1-26-2023DL



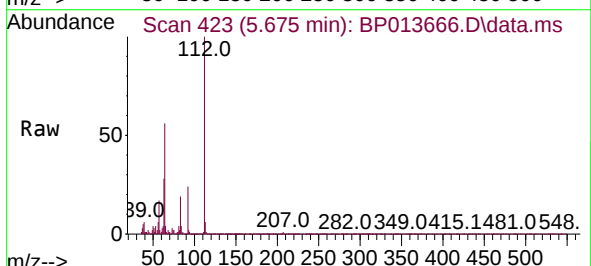
Tgt Ion:152 Resp: 283549
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 57.2 45.1 67.7

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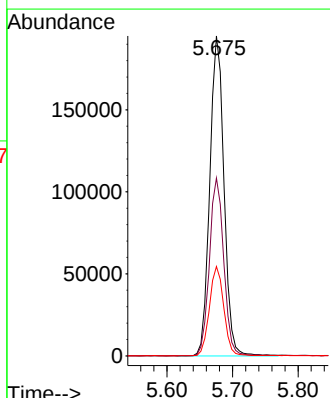
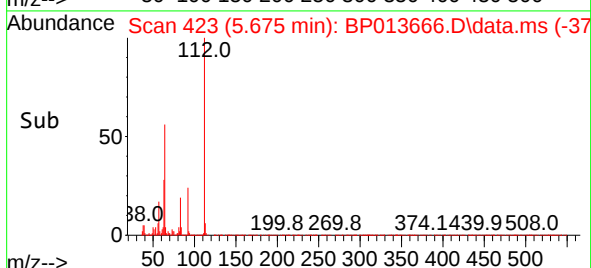
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

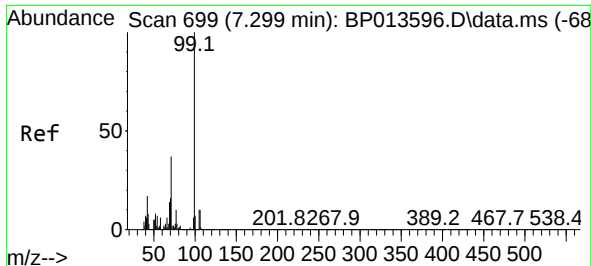


#5
2-Fluorophenol
Concen: 18.574 ng
RT: 5.675 min Scan# 423
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09



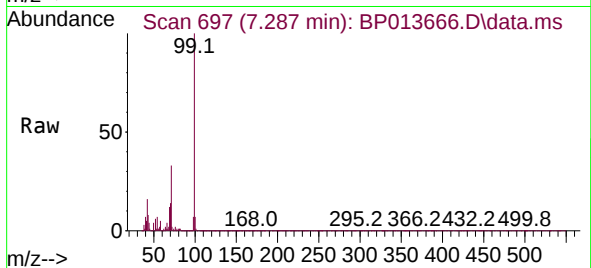
Tgt Ion:112 Resp: 293911
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 27.9 25.1 37.7





#7
Phenol-d6
Concen: 18.267 ng
RT: 7.287 min Scan# 699
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

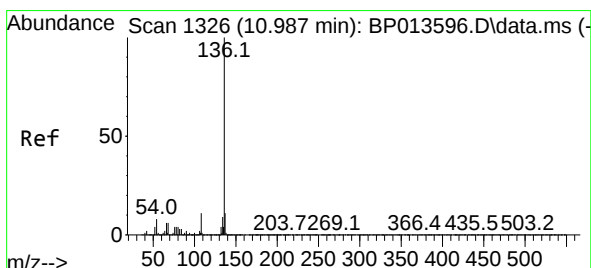
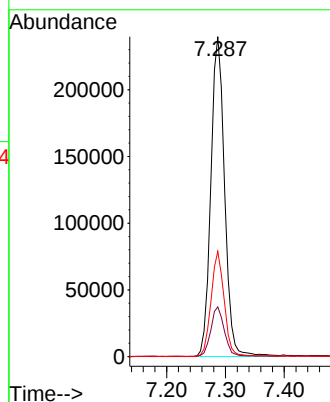
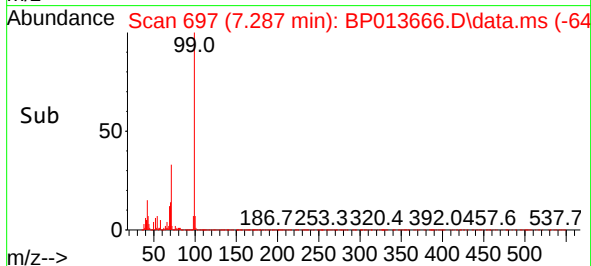
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL



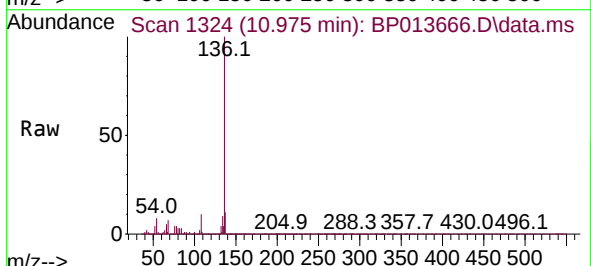
Tgt Ion: 99 Resp: 390452
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.2
71 32.9 29.9 44.9

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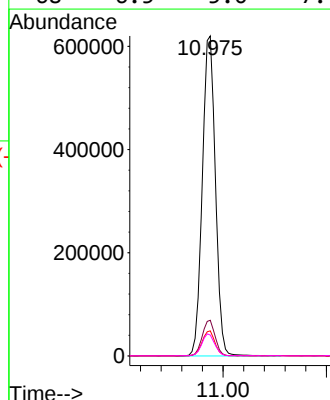
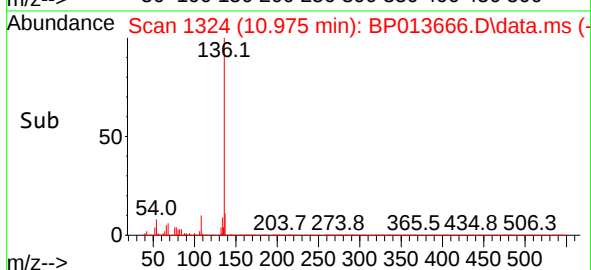
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

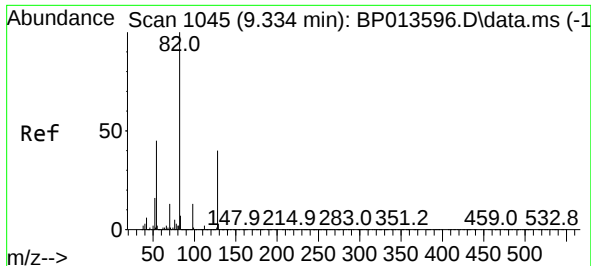


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09



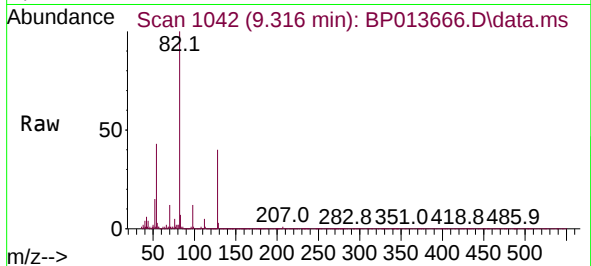
Tgt Ion:136 Resp: 1090080
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.8 6.1 9.1
68 6.5 5.0 7.4





#23
Nitrobenzene-d5
Concen: 7.628 ng
RT: 9.316 min Scan# 1042
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

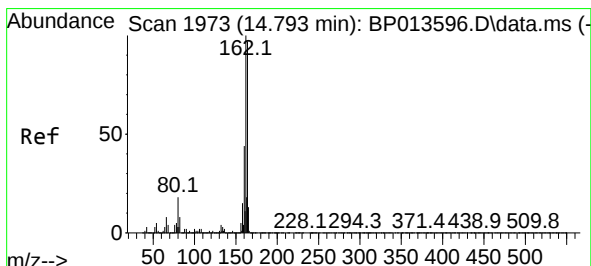
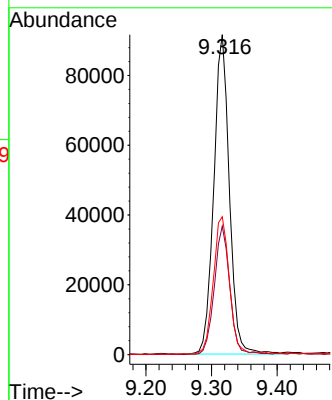
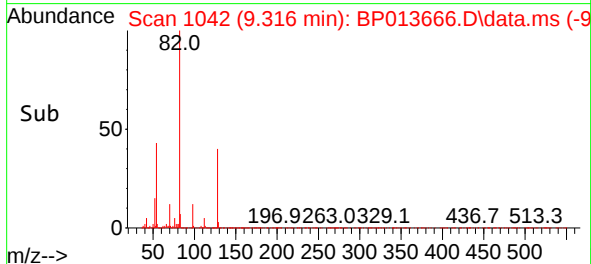
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL



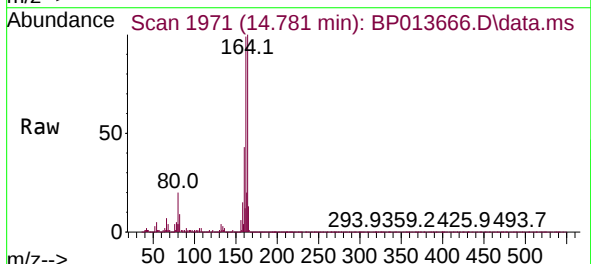
Tgt Ion: 82 Resp: 151328
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.8
54 43.1 36.2 54.2

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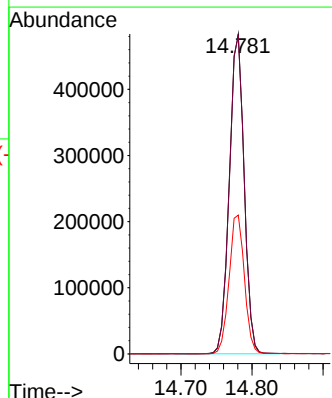
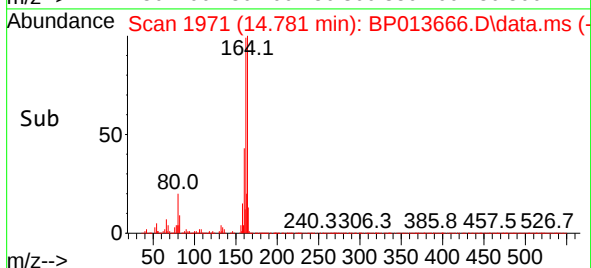
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

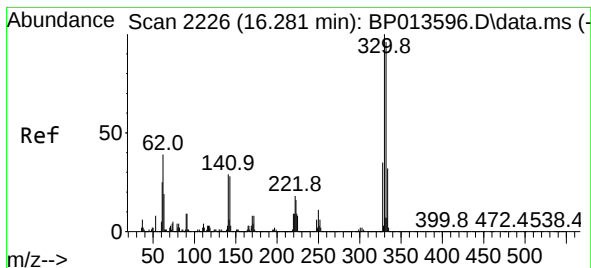


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09



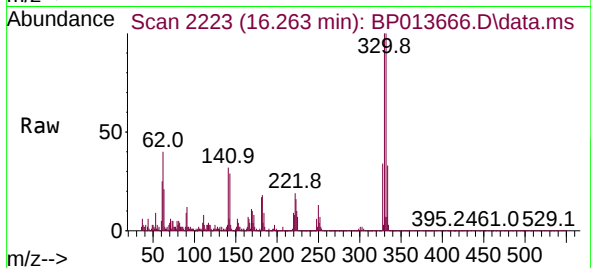
Tgt Ion:164 Resp: 700339
Ion Ratio Lower Upper
164 100
162 99.2 82.3 123.5
160 43.4 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 14.899 ng
RT: 16.263 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

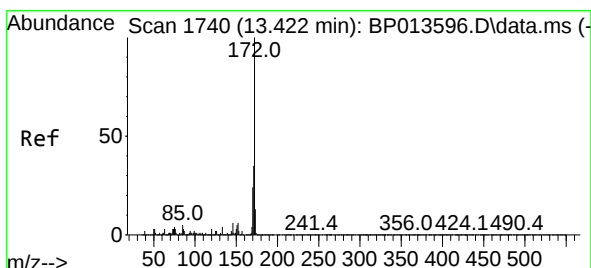
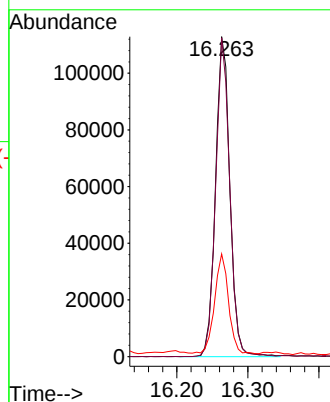
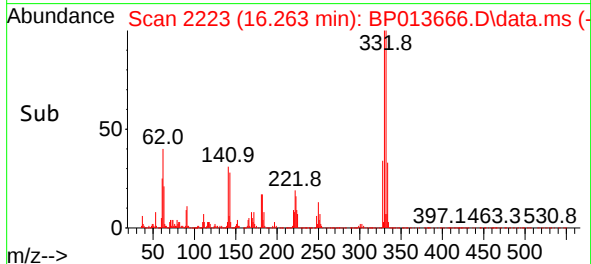
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL



Tgt Ion: 330 Resp: 158859
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 31.3 23.3 34.9

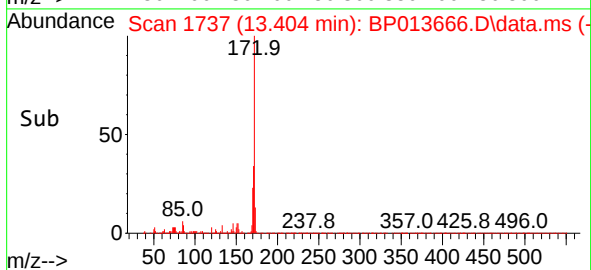
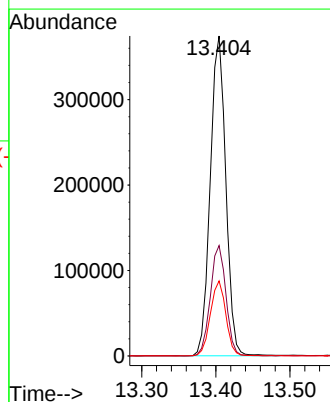
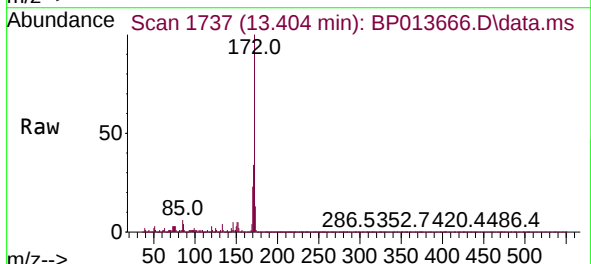
Manual Integrations
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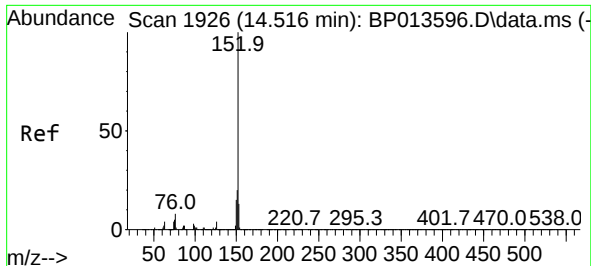
Reviewed By : Christian Giraldo 01/31/2023
Supervised By : Jagrut Upadhyay 01/31/2023



#45
2-Fluorobiphenyl
Concen: 11.132 ng
RT: 13.404 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

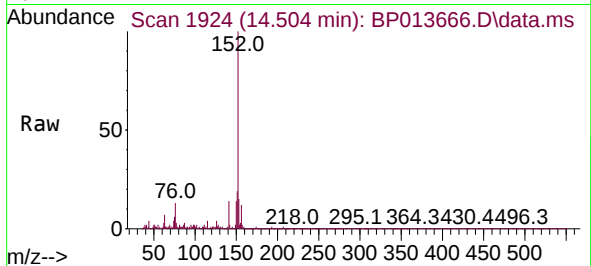
Tgt Ion: 172 Resp: 545859
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.4 19.1 28.7





#49
Acenaphthylene
Concen: 3.370 ng
RT: 14.504 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

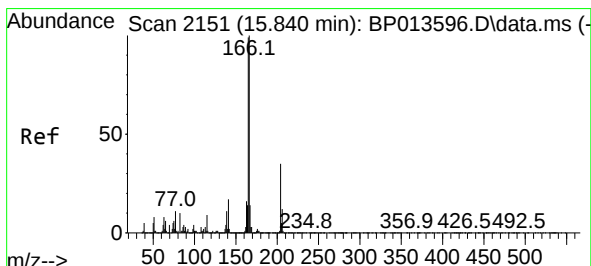
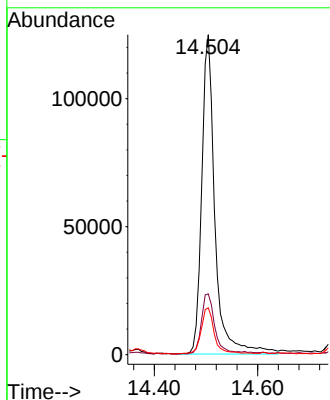
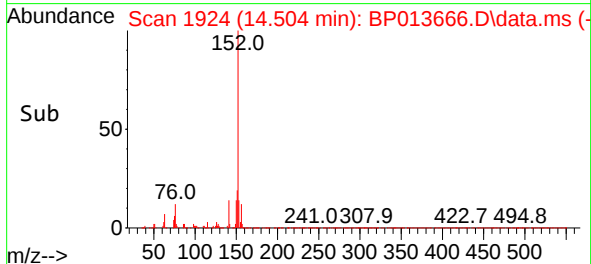
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EO-01-1-26-2023DL



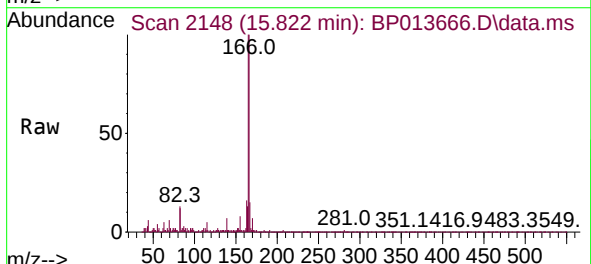
Tgt Ion:152 Resp: 221352
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 14.6 10.6 16.0

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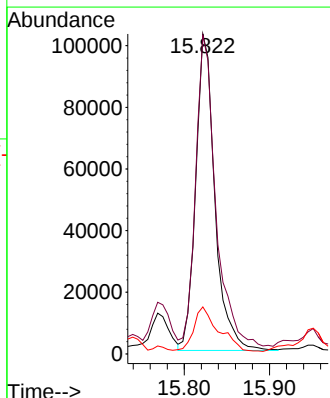
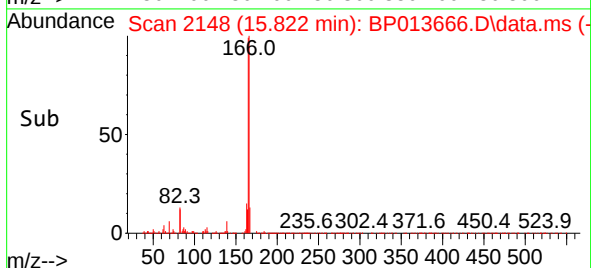
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

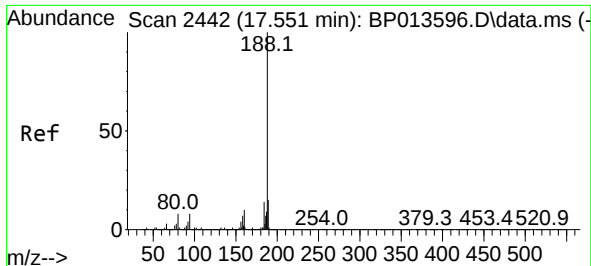


#58
Fluorene
Concen: 3.179 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09



Tgt Ion:166 Resp: 160073
Ion Ratio Lower Upper
166 100
165 99.5 79.4 119.0
167 14.7 10.9 16.3





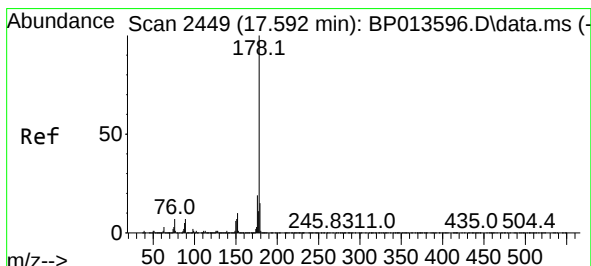
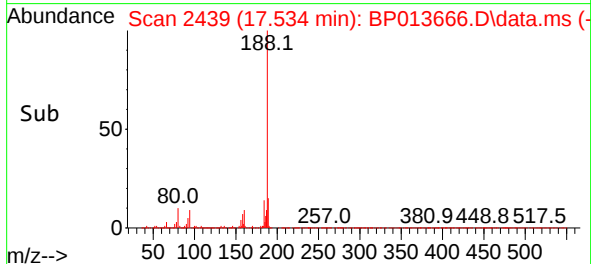
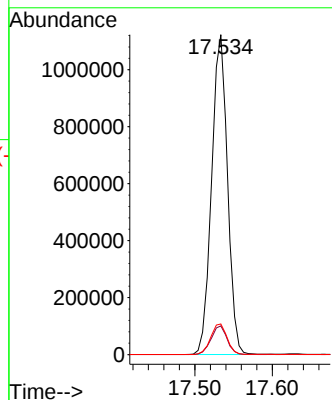
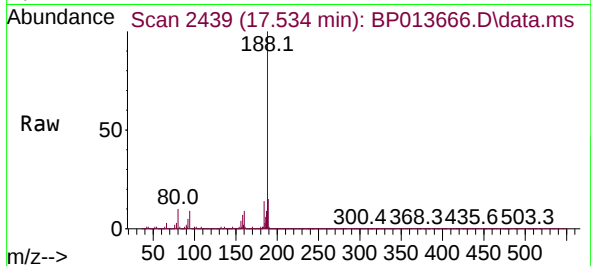
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.534 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL

Tgt Ion:188 Resp: 1598423
Ion Ratio Lower Upper
188 100
94 9.0 6.1 9.1
80 9.6 6.6 10.0

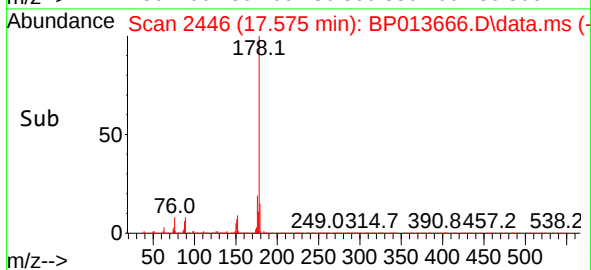
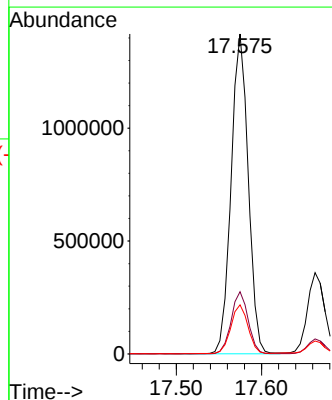
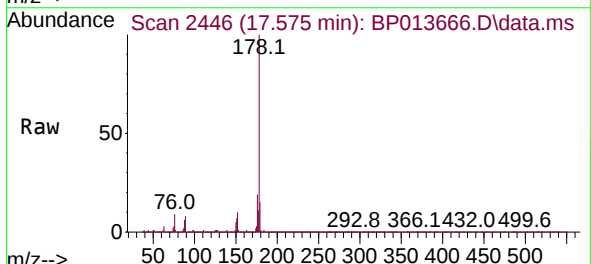
Manual Integrations
APPROVED

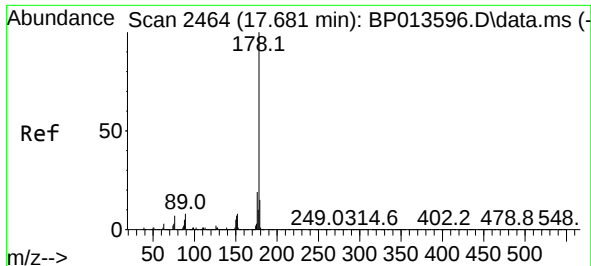
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#71
Phenanthrene
Concen: 24.110 ng
RT: 17.575 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

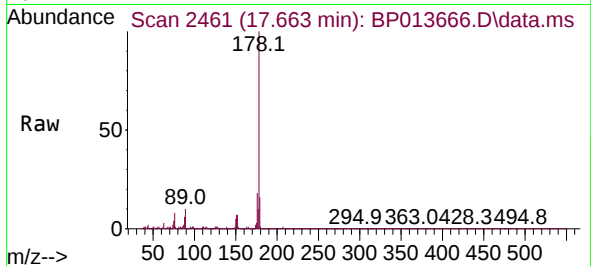
Tgt Ion:178 Resp: 1976497
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 6.058 ng
 RT: 17.663 min Scan# 2464
 Delta R.T. -0.012 min
 Lab File: BP013666.D
 Acq: 31 Jan 2023 03:09

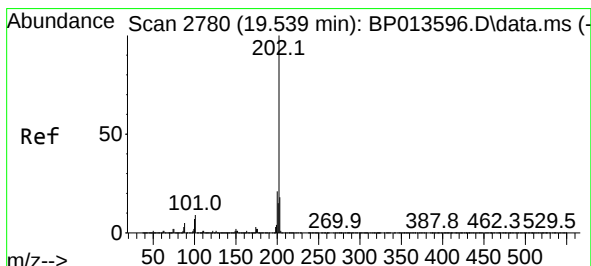
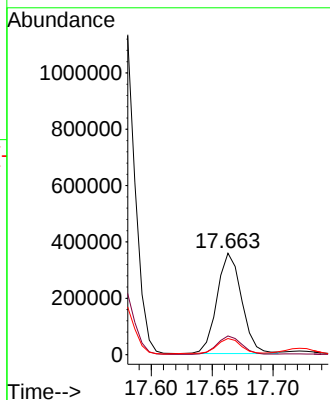
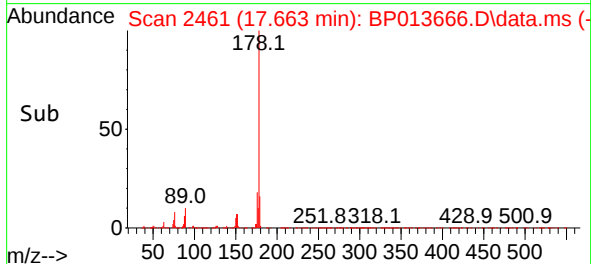
Instrument :
 BNA_P
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 EO-01-1-26-2023DL



Tgt Ion:178 Resp: 501811
 Ion Ratio Lower Upper
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 176 18.4 15.0 22.4
 179 15.9 12.3 18.5

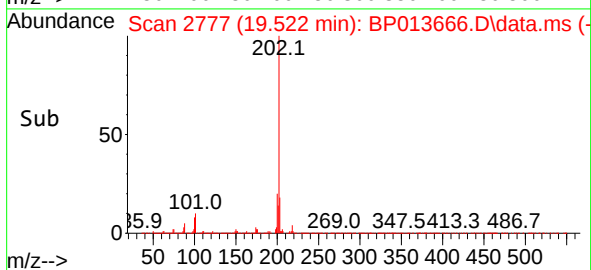
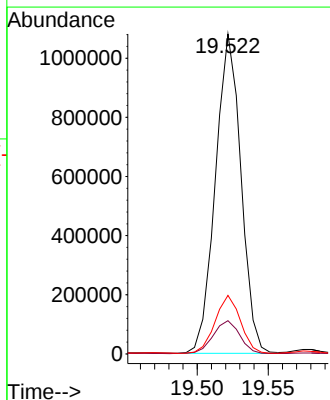
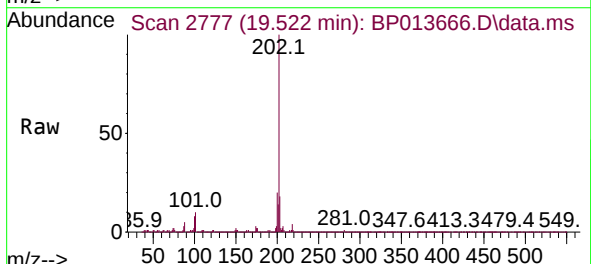
Manual Integrations
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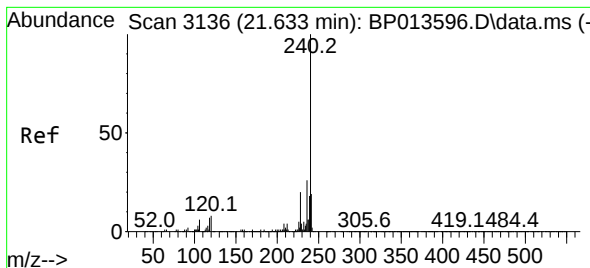
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#75
 Fluoranthene
 Concen: 13.224 ng
 RT: 19.522 min Scan# 2777
 Delta R.T. -0.012 min
 Lab File: BP013666.D
 Acq: 31 Jan 2023 03:09

Tgt Ion:202 Resp: 1352166
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 28.9
 203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

Tgt Ion:240 Resp: 1596794

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

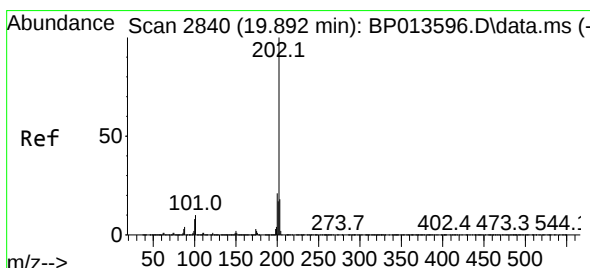
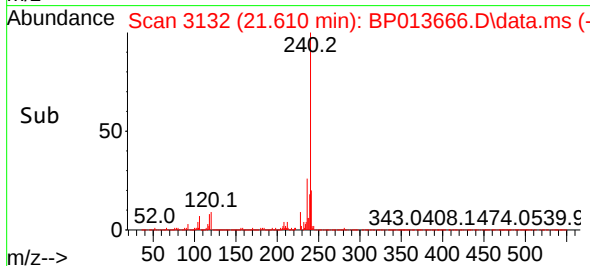
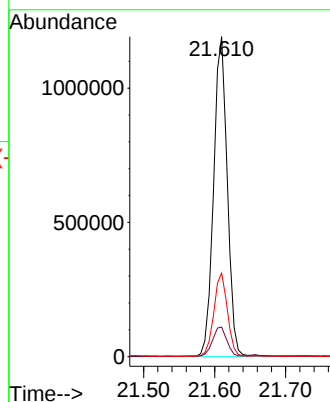
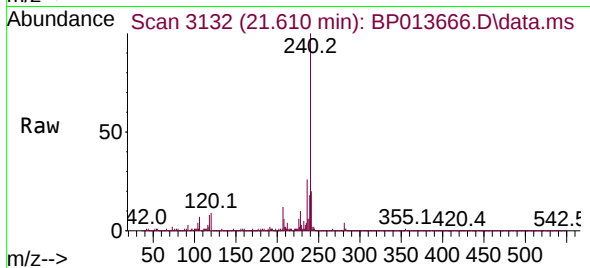
236 26.1 20.7 31.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#78

Pyrene

Concen: 18.551 ng

RT: 19.875 min Scan# 2837

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

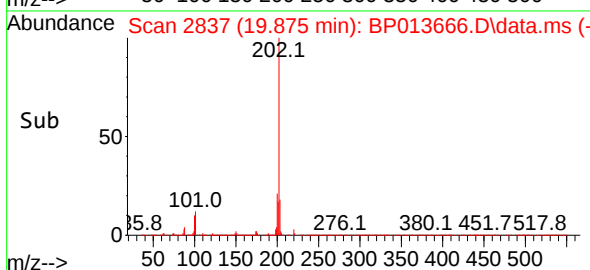
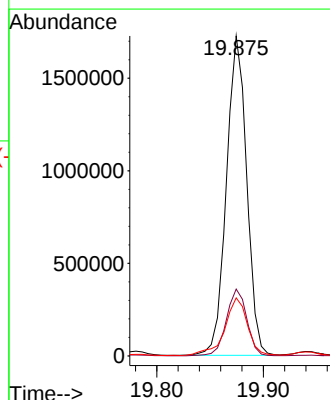
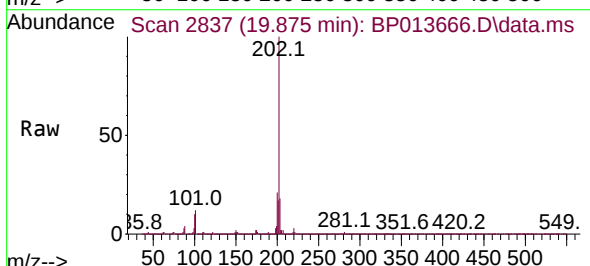
Tgt Ion:202 Resp: 2292538

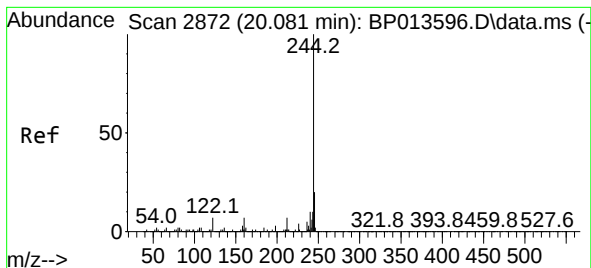
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 10.105 ng

RT: 20.057 min Scan# 2868

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

Tgt Ion:244 Resp: 914363

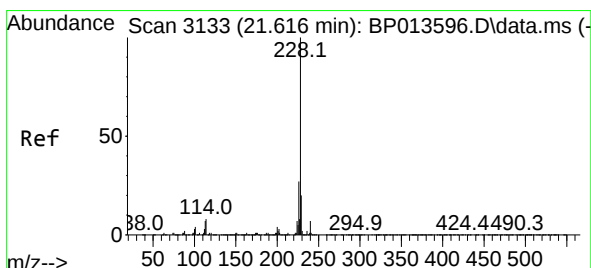
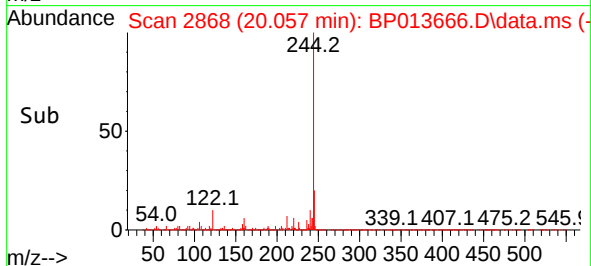
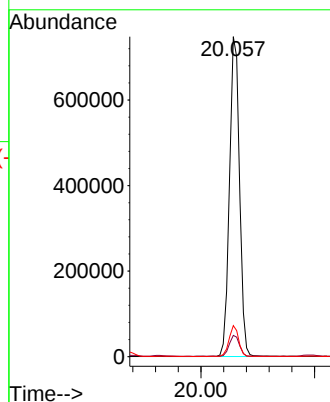
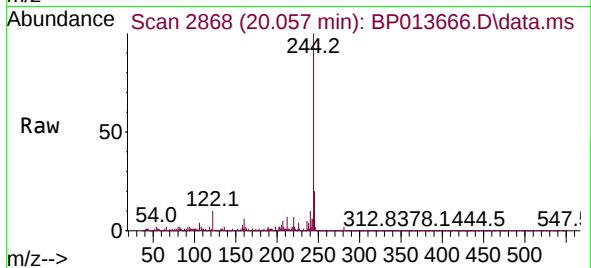
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	9.7	5.3	7.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/31/2023



#81

Benzo(a)anthracene

Concen: 8.629 ng

RT: 21.592 min Scan# 3129

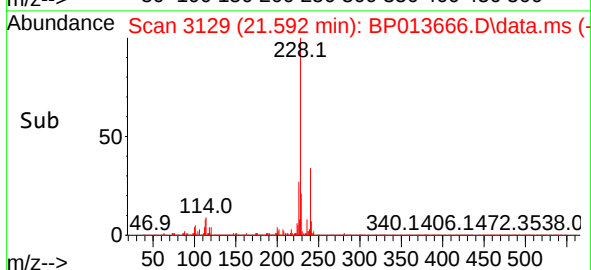
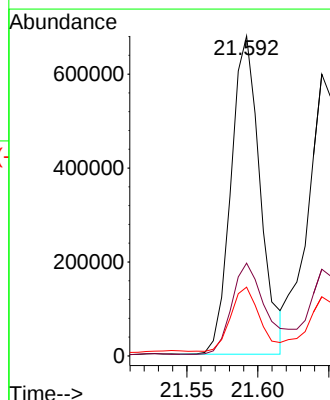
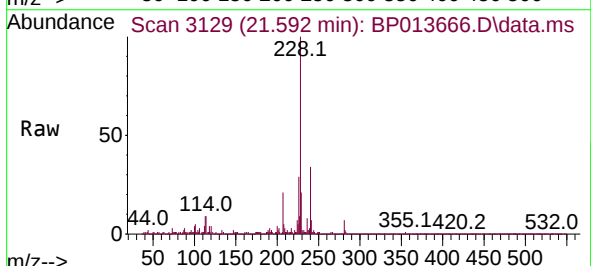
Delta R.T. -0.012 min

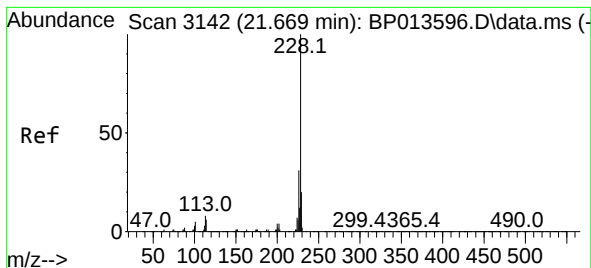
Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Tgt Ion:228 Resp: 970256

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.0	33.0
229	21.5	15.9	23.9





#83

Chrysene

Concen: 8.440 ng

RT: 21.645 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

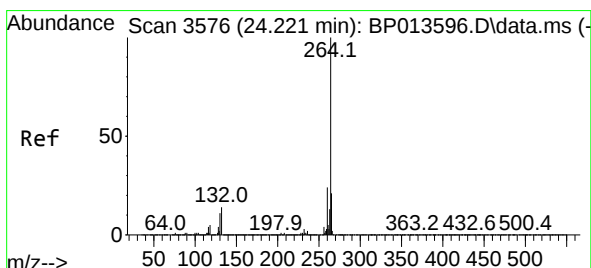
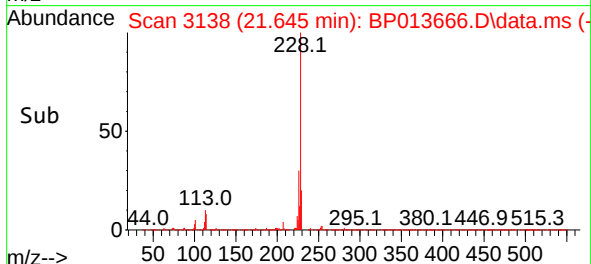
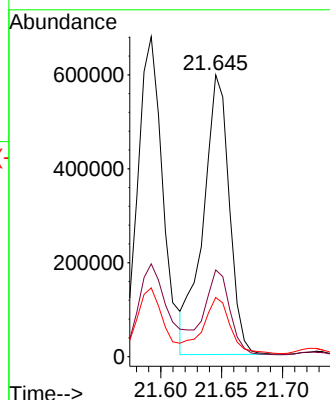
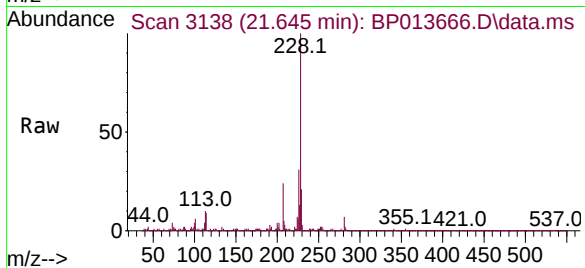
EO-01-1-26-2023DL

Tgt Ion:228	Resp: 891668
Ion Ratio	Lower Upper
228 100	
226 30.7	24.8 37.2
229 21.0	15.8 23.8

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

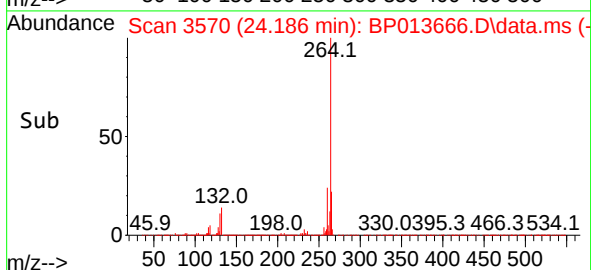
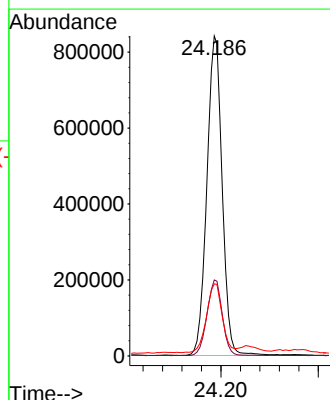
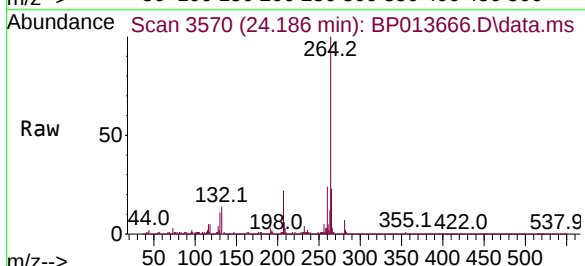
RT: 24.186 min Scan# 3570

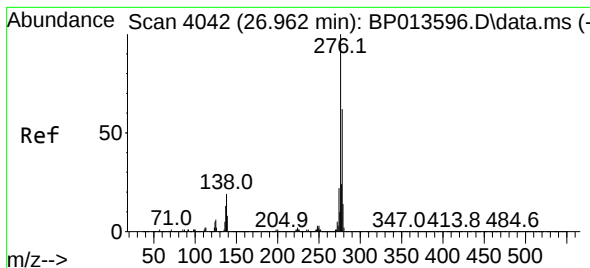
Delta R.T. -0.018 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Tgt Ion:264	Resp: 1839043
Ion Ratio	Lower Upper
264 100	
260 23.7	18.8 28.2
265 22.5	17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.398 ng

RT: 26.898 min Scan# 4042

Delta R.T. -0.047 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

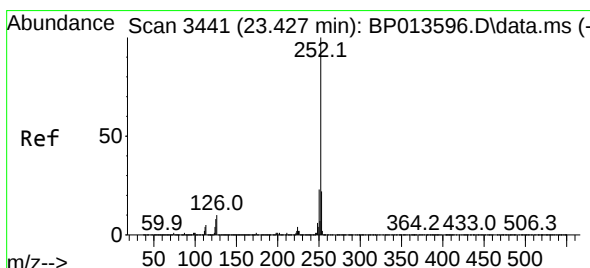
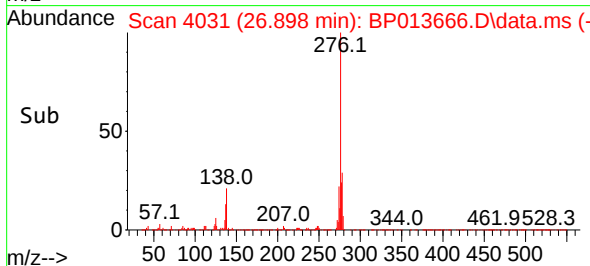
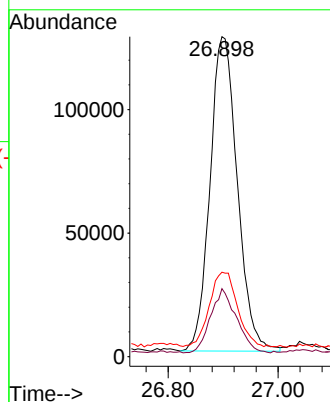
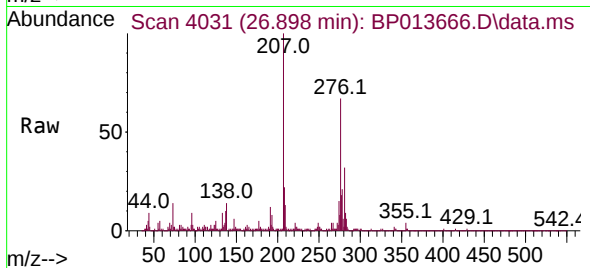
Tgt Ion:	276	Resp:	43934
Ion Ratio	Lower	Upper	
276	100		
138	19.3	16.4	24.6
277	24.4	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#88

Benzo(b)fluoranthene

Concen: 6.459 ng

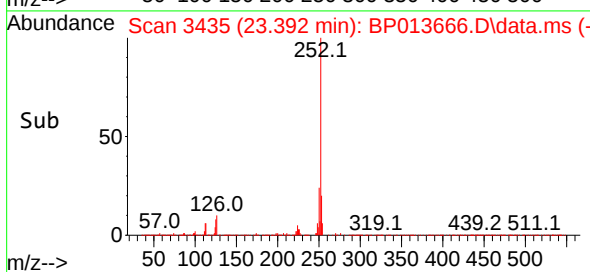
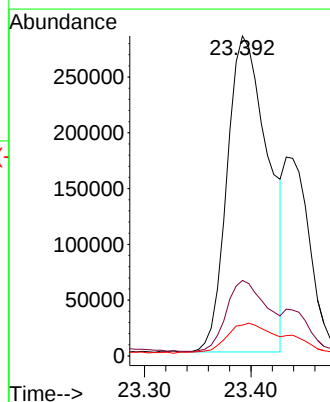
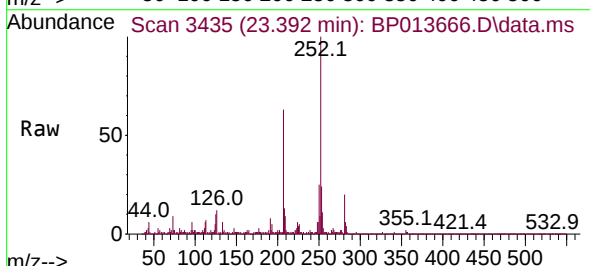
RT: 23.392 min Scan# 3435

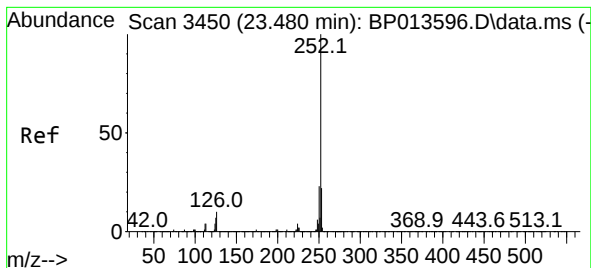
Delta R.T. -0.018 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Tgt Ion:	252	Resp:	762603
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	9.6	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 2.542 ng m

RT: 23.433 min Scan# 34

Delta R.T. -0.030 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

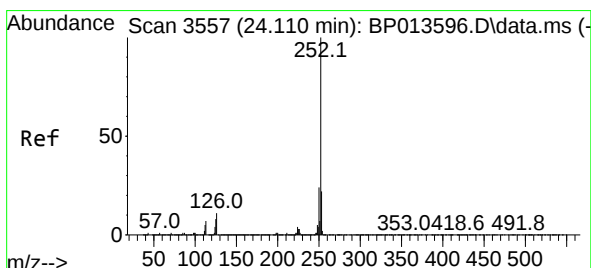
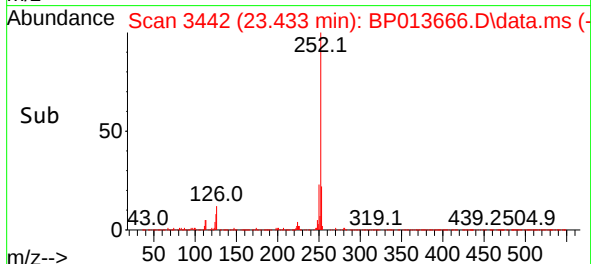
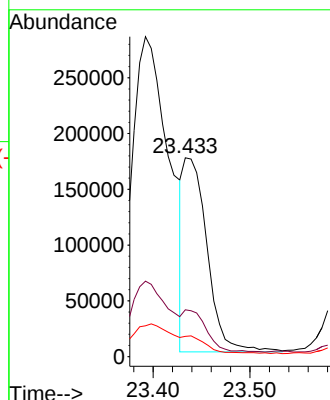
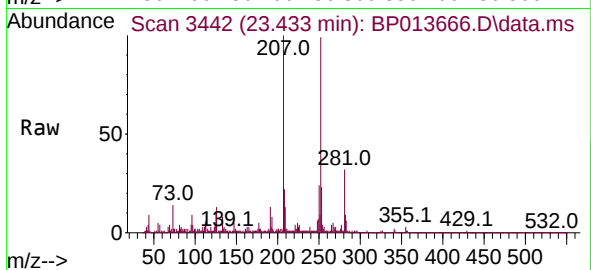
Tgt Ion:252 Resp: 297933

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	10.2	5.9	8.9

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 6.344 ng

RT: 24.068 min Scan# 3550

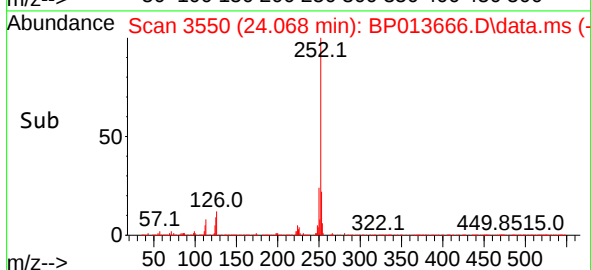
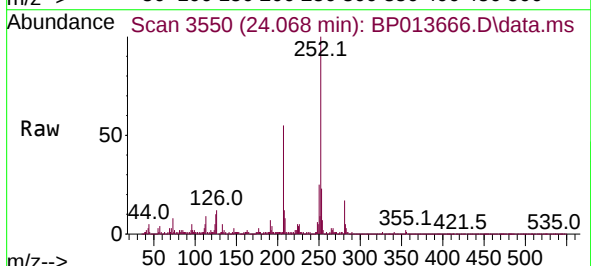
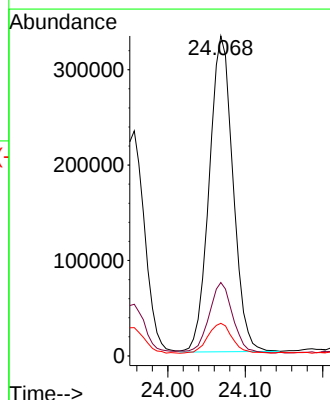
Delta R.T. -0.024 min

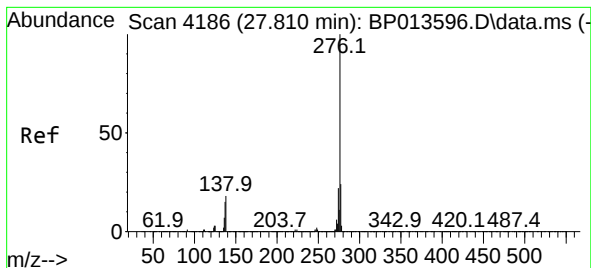
Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Tgt Ion:252 Resp: 705016

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	10.2	6.8	10.2





#92

Benzo(g,h,i)perylene

Concen: 5.189 ng

RT: 27.739 min Scan# 41

Delta R.T. -0.047 min

Lab File: BP013666.D

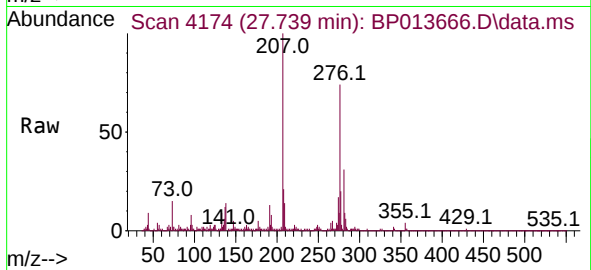
Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL



Tgt Ion:276 Resp: 549626

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 19.3 14.3 21.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023

