

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014128.D
 Acq On : 17 Mar 2023 19:19
 Operator : CG/JU
 Sample : 01954-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SV-TP5-0316

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/20/2023
 Supervised By : Jagrut Upadhyay 03/20/2023

Quant Time: Mar 18 00:27:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 00:19:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	115764	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	440319	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	279853	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	658480	20.000	ng	0.00
76) Chrysene-d12	21.545	240	686421	20.000	ng	0.00
86) Perylene-d12	24.086	264	797354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	582397	81.588	ng	0.00
7) Phenol-d6	7.216	99	765564	81.687	ng	0.00
23) Nitrobenzene-d5	9.234	82	492674	51.140	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	403064	88.831	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1018426	47.148	ng	0.00
79) Terphenyl-d14	20.004	244	1749840	42.035	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.428	152	123247	4.469	ng	100
71) Phenanthrene	17.504	178	846279	23.006	ng	99
72) Anthracene	17.598	178	162051	4.311	ng	99
75) Fluoranthene	19.463	202	1195046	27.179	ng	98
78) Pyrene	19.816	202	1165173	22.116	ng	99
81) Benzo(a)anthracene	21.527	228	542246	10.766	ng	98
83) Chrysene	21.586	228	593812	12.450	ng	98
87) Indeno(1,2,3-cd)pyrene	26.745	276	317030	5.146	ng	97
88) Benzo(b)fluoranthene	23.304	252	634080	12.145	ng	# 97
89) Benzo(k)fluoranthene	23.351	252	199967m	3.863	ng	
90) Benzo(a)pyrene	23.968	252	467862	9.395	ng	# 96
92) Benzo(g,h,i)perylene	27.574	276	317114	6.247	ng	99

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

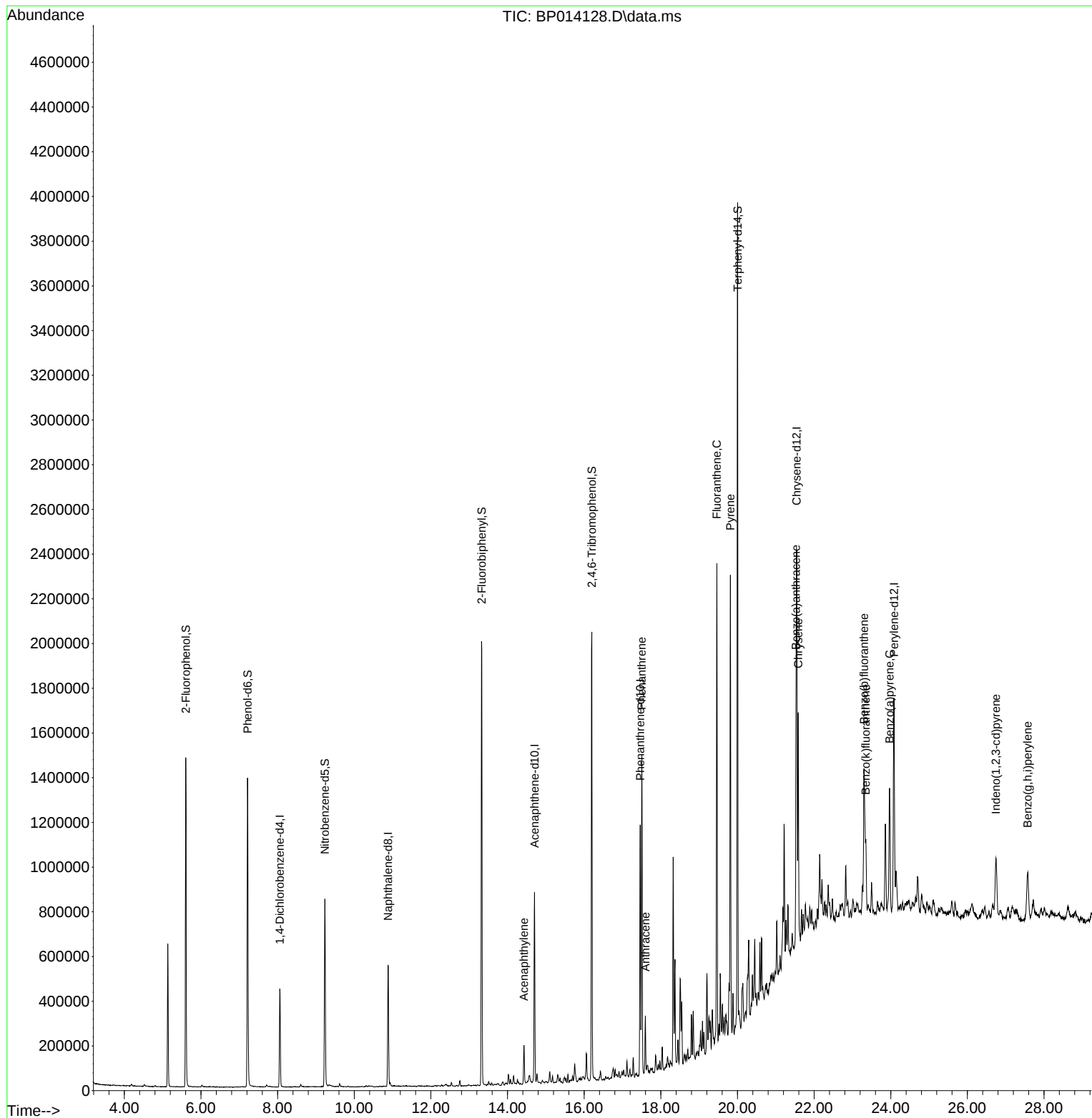
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Data File : BP014128.D
Acq On : 17 Mar 2023 19:19
Operator : CG/JU
Sample : 01954-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

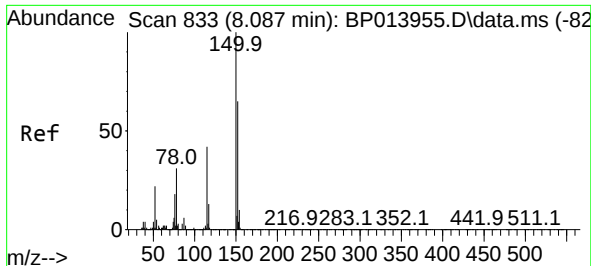
Instrument :
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SV-TP5-0316

Quant Time: Mar 18 00:27:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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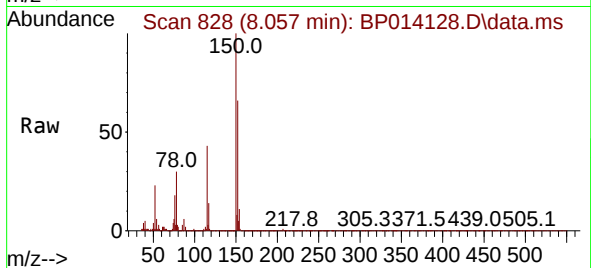
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.057 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

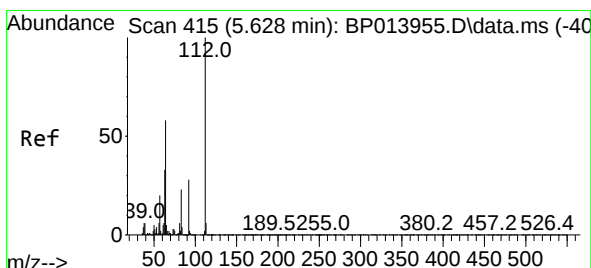
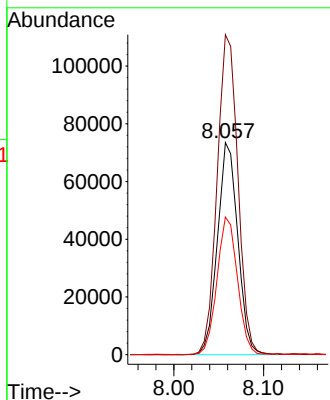
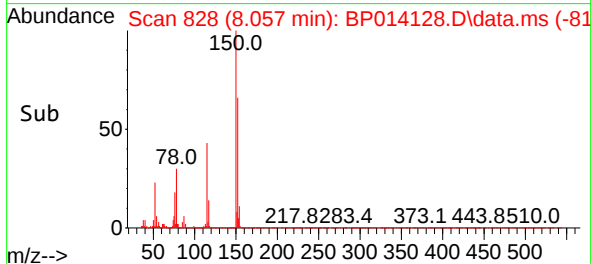
Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316



Tgt Ion:152 Resp: 115764
Ion Ratio Lower Upper
152 100
150 150.8 122.3 183.5
115 64.8 51.6 77.4

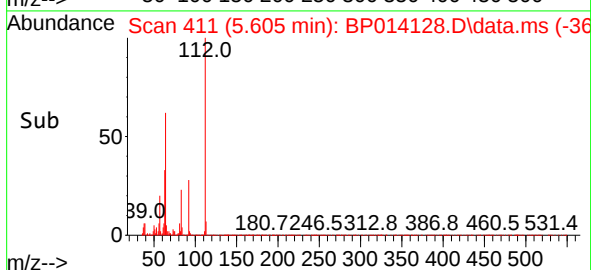
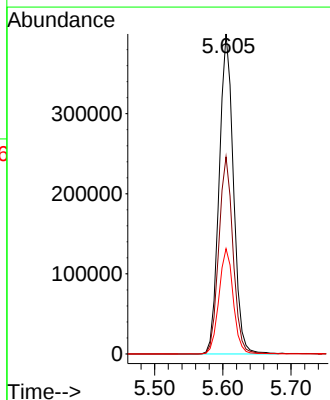
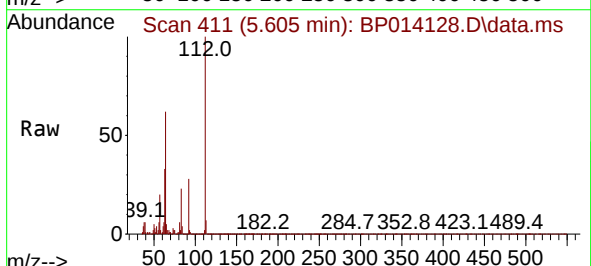
Manual Integrations
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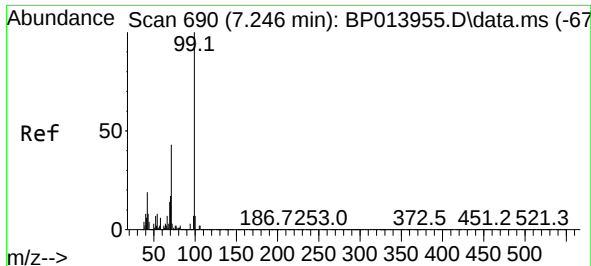
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#5
2-Fluorophenol
Concen: 81.588 ng
RT: 5.605 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

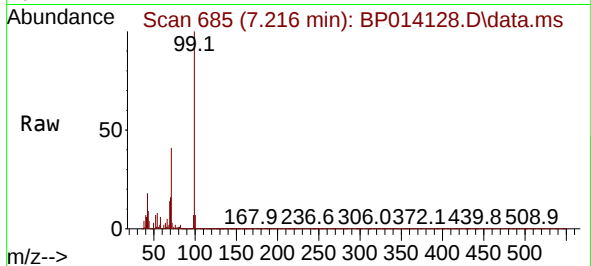
Tgt Ion:112 Resp: 582397
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 32.9 26.6 40.0





#7
Phenol-d6
Concen: 81.687 ng
RT: 7.216 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

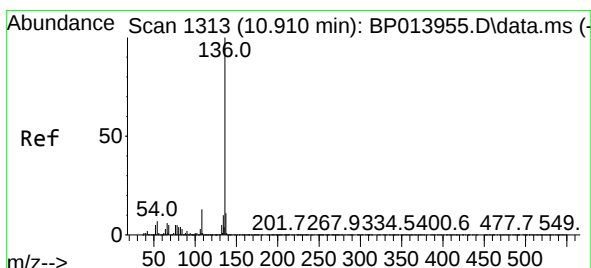
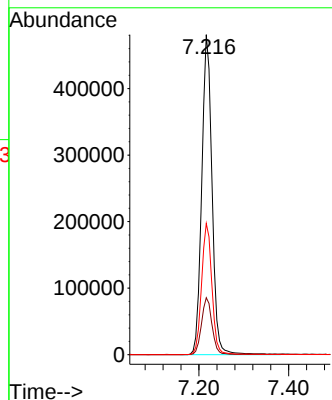
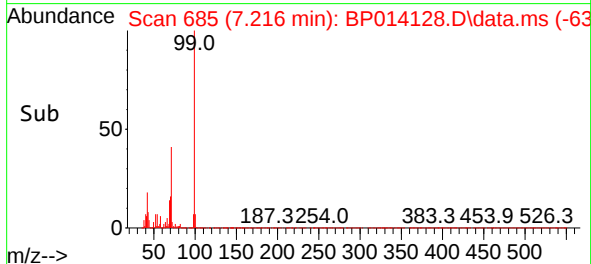
Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316



Tgt Ion: 99 Resp: 765564
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.6
71 41.0 34.3 51.5

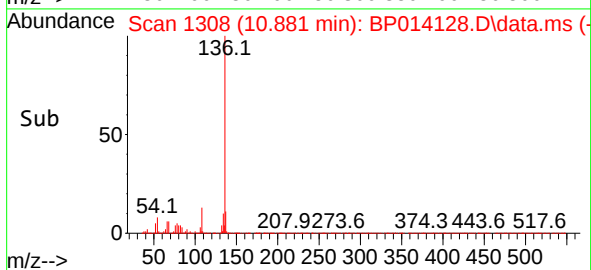
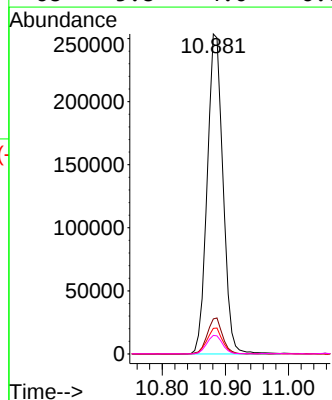
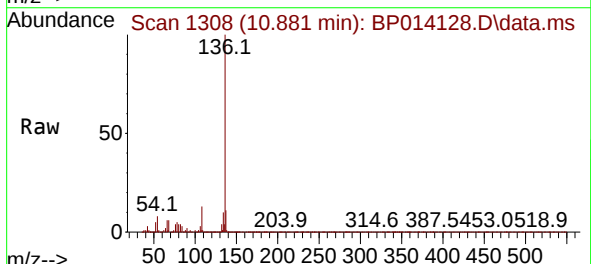
Manual Integrations
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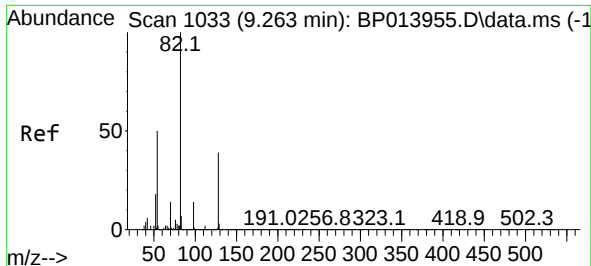
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Tgt Ion:136 Resp: 440319
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.0 5.8 8.8
68 5.8 4.0 6.0





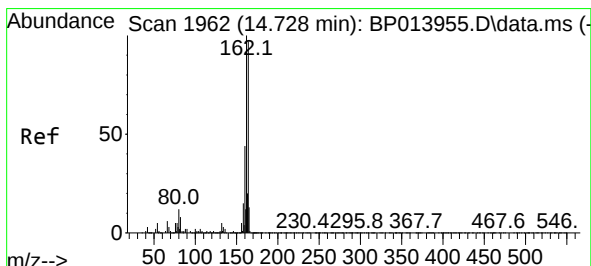
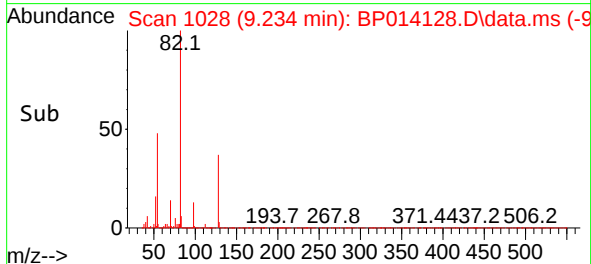
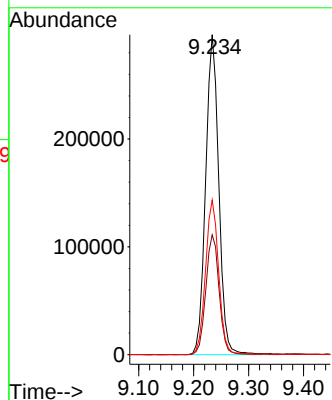
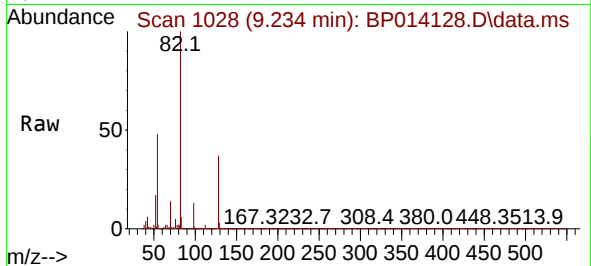
#23
Nitrobenzene-d5
Concen: 51.140 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316

Tgt Ion: 82 Resp: 492674
Ion Ratio Lower Upper
82 100
128 37.5 31.1 46.7
54 48.3 40.0 60.0

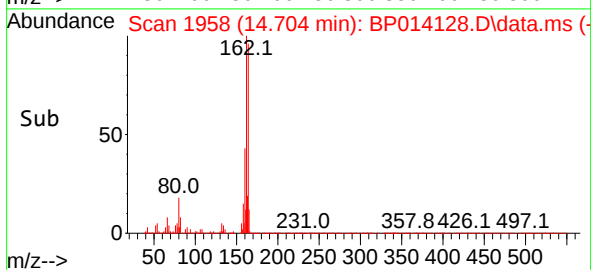
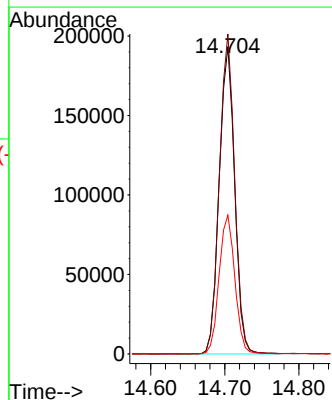
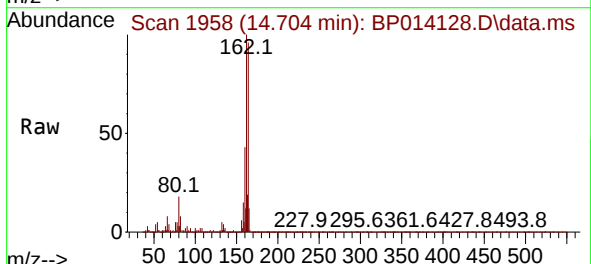
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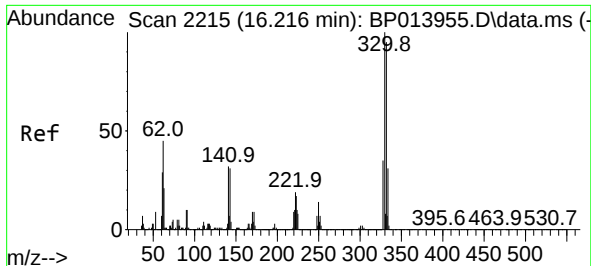
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

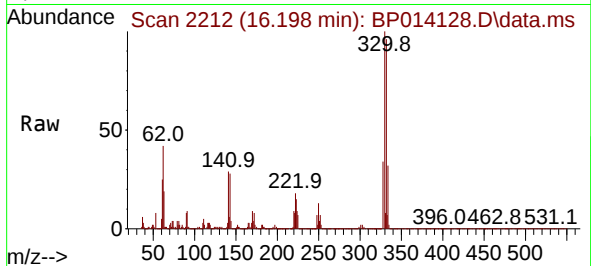
Tgt Ion:164 Resp: 279853
Ion Ratio Lower Upper
164 100
162 104.1 82.1 123.1
160 45.1 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 88.831 ng
RT: 16.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

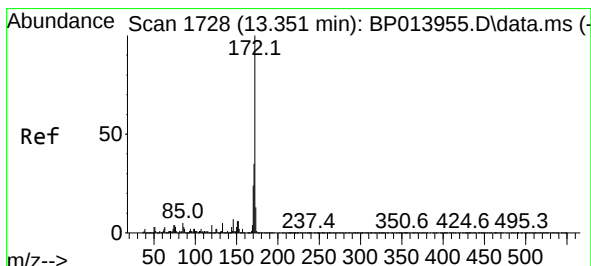
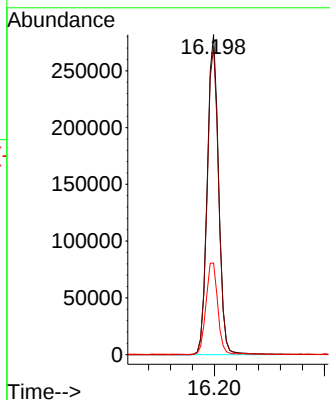
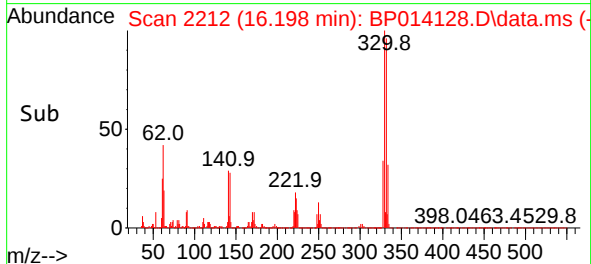
Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316



Tgt Ion:330 Resp: 403064
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 29.6 25.6 38.4

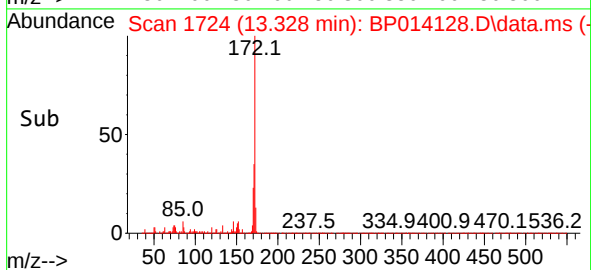
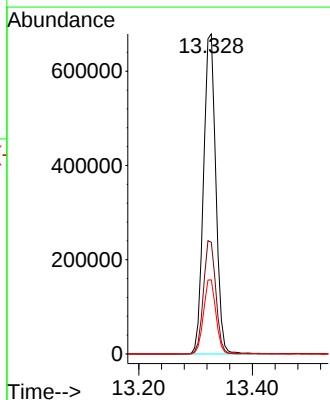
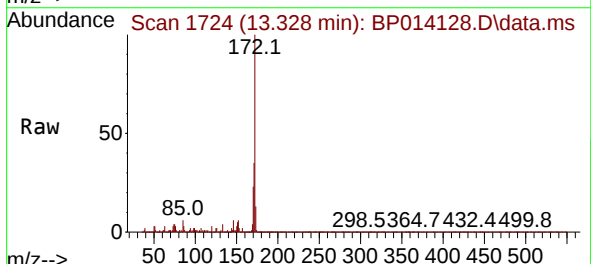
Manual Integrations
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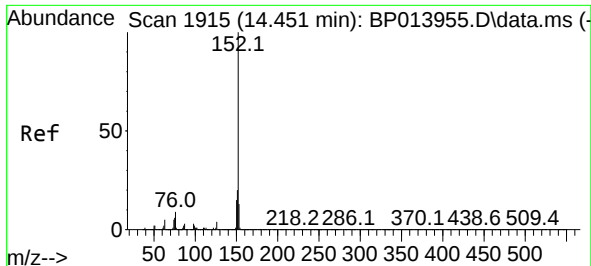
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#45
2-Fluorobiphenyl
Concen: 47.148 ng
RT: 13.328 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Tgt Ion:172 Resp: 1018426
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.2 19.0 28.4





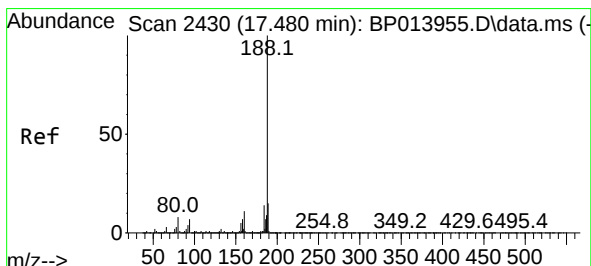
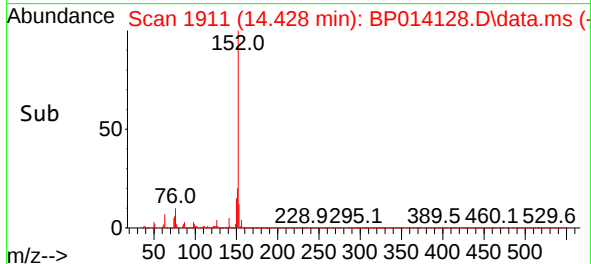
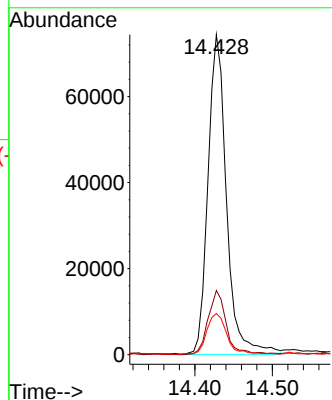
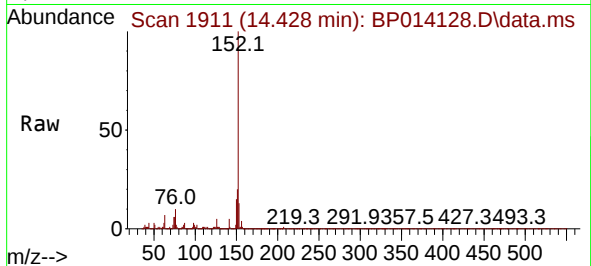
#49
Acenaphthylene
Concen: 4.469 ng
RT: 14.428 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316

Tgt Ion:152 Resp: 12324
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 12.8 10.4 15.6

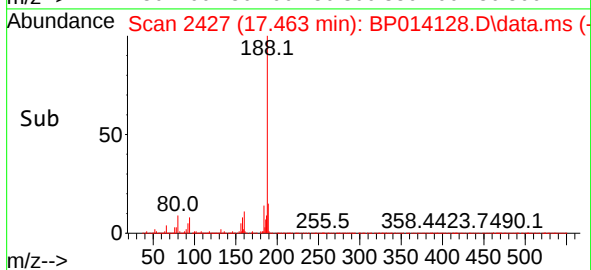
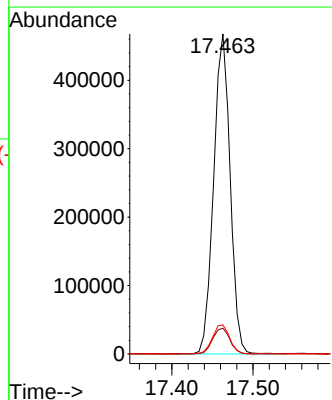
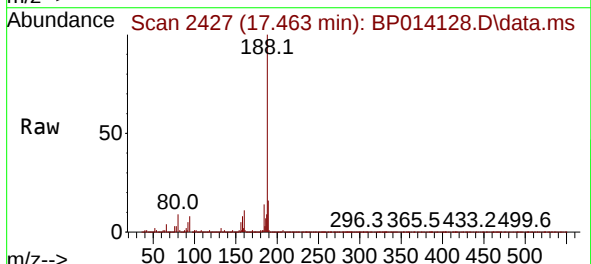
Manual Integrations
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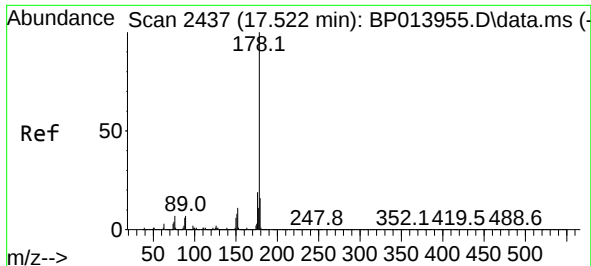
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Tgt Ion:188 Resp: 658480
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 9.1 6.6 9.8





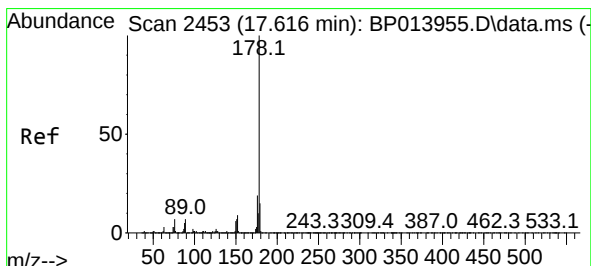
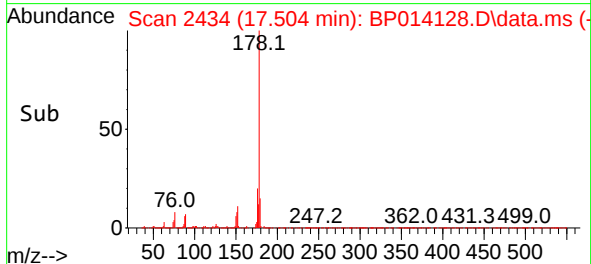
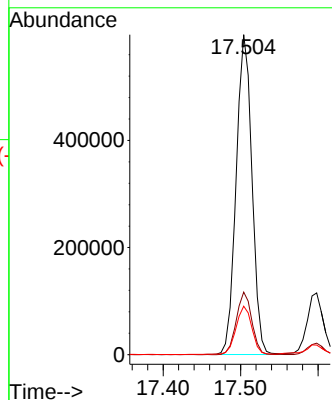
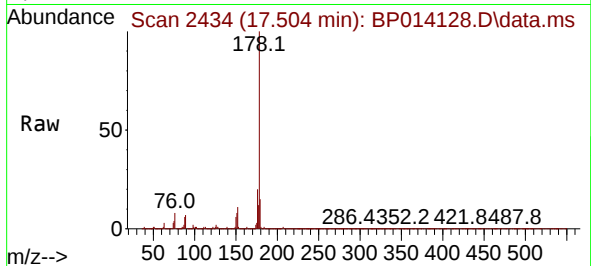
#71
Phenanthrene
Concen: 23.006 ng
RT: 17.504 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316

Tgt Ion:178 Resp: 846279
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.2 12.6 19.0

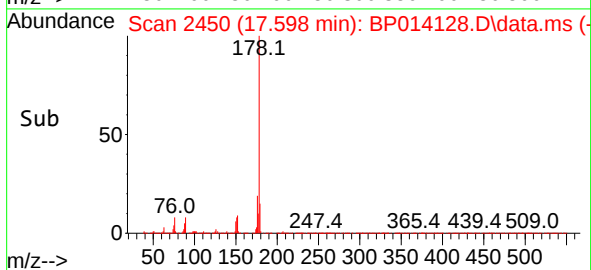
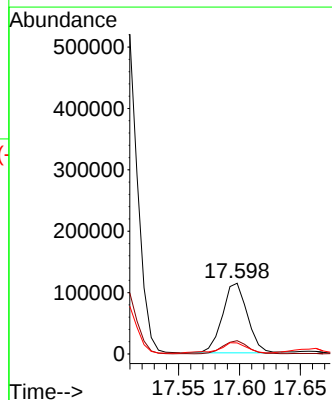
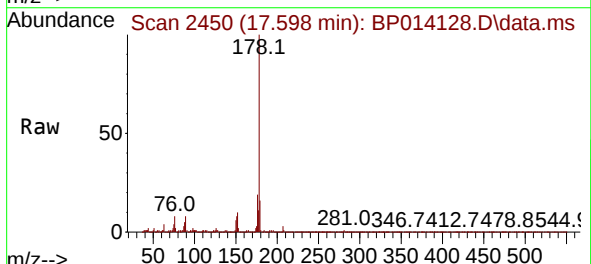
Manual Integrations
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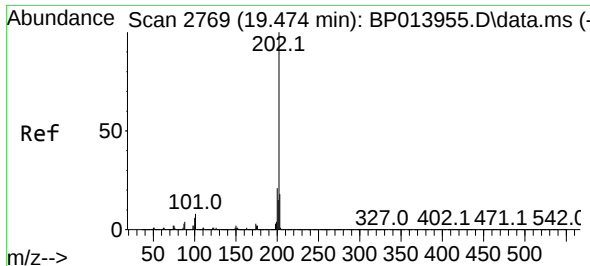
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#72
Anthracene
Concen: 4.311 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

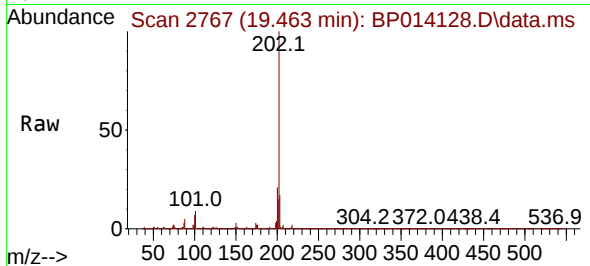
Tgt Ion:178 Resp: 162051
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.6 12.1 18.1





#75
Fluoranthene
Concen: 27.179 ng
RT: 19.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

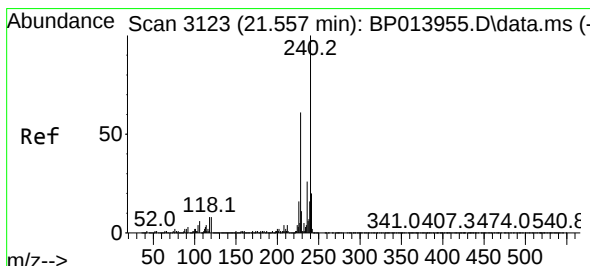
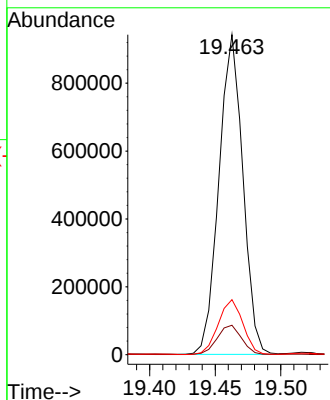
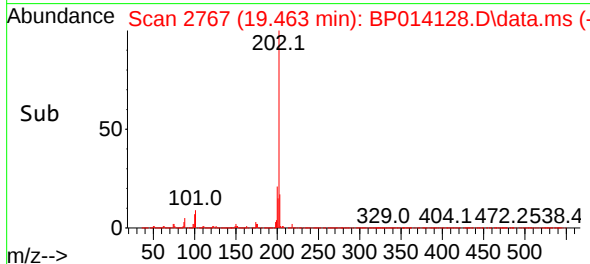
Instrument :
BNA_P
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SV-TP5-0316



Tgt Ion: 202 Resp: 1195040
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.9
203 17.2 0.0 37.7

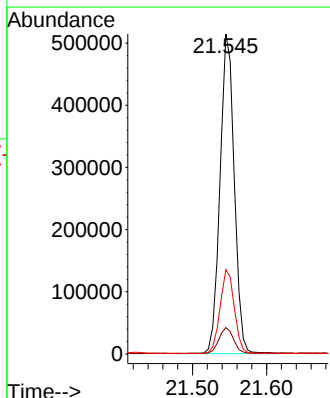
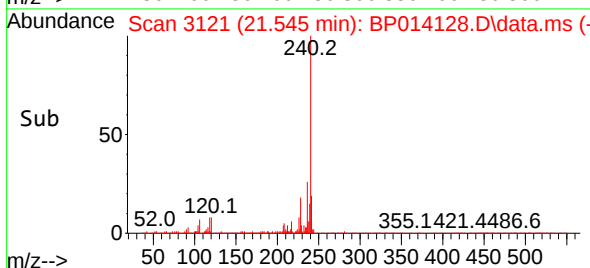
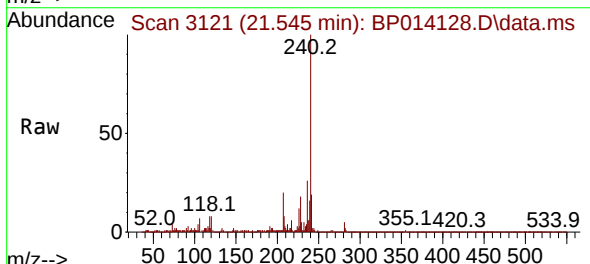
Manual Integrations
APPROVED

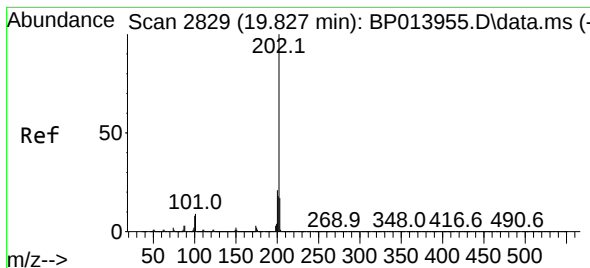
Reviewed By : Christian Giraldo 03/20/2023
Supervised By : Jagrut Upadhyay 03/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Tgt Ion: 240 Resp: 686421
Ion Ratio Lower Upper
240 100
120 8.3 6.4 9.6
236 26.4 21.2 31.8





#78

Pyrene

Concen: 22.116 ng

RT: 19.816 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Instrument :

BNA_P

ClientSampleId :

SV-TP5-0316

Tgt Ion:202 Resp: 116517

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

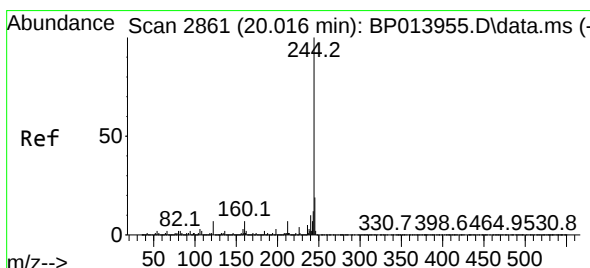
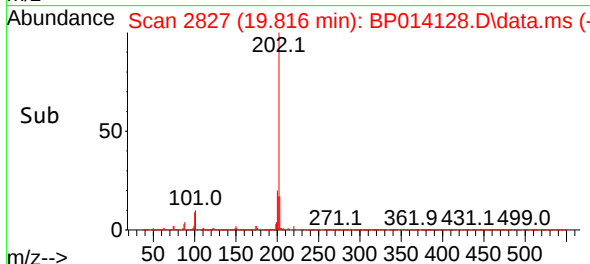
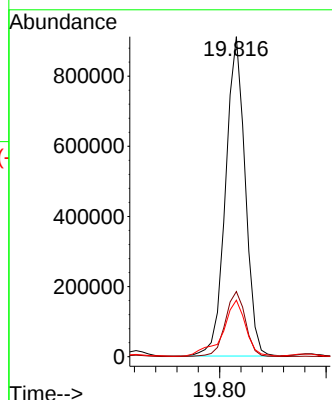
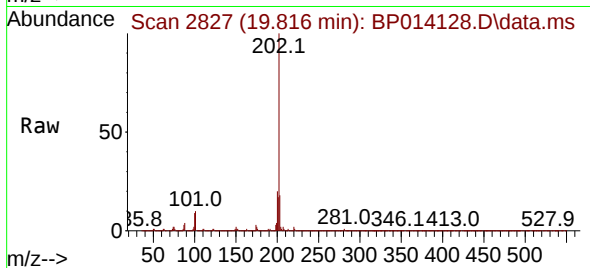
203 17.6 13.9 20.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#79

Terphenyl-d14

Concen: 42.035 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.000 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

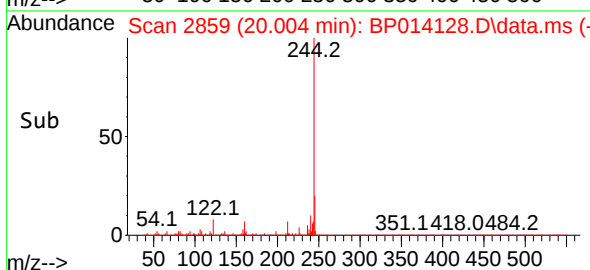
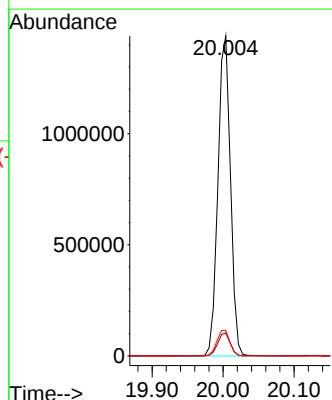
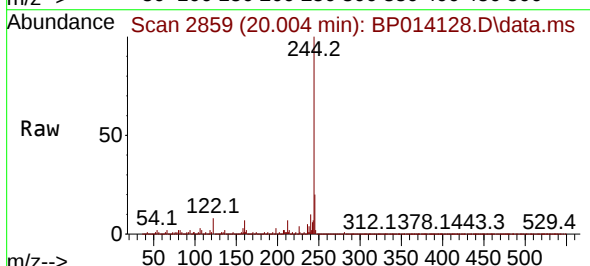
Tgt Ion:244 Resp: 1749840

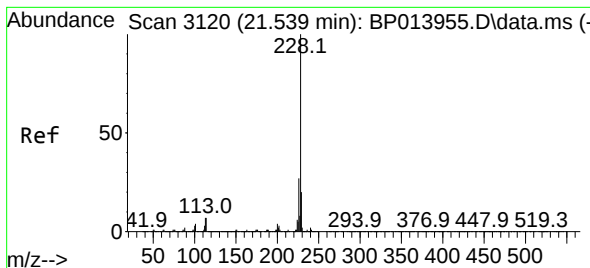
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.0 5.8 8.6





#81

Benzo(a)anthracene

Concen: 10.766 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Instrument :

BNA_P

ClientSampleId :

SV-TP5-0316

Tgt Ion:228 Resp: 542240

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

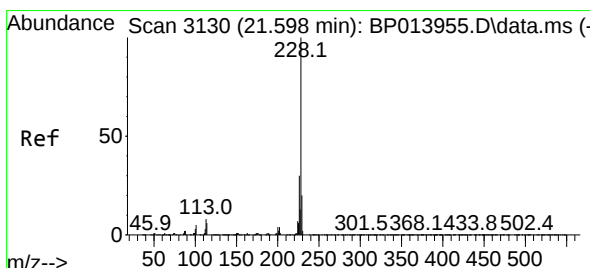
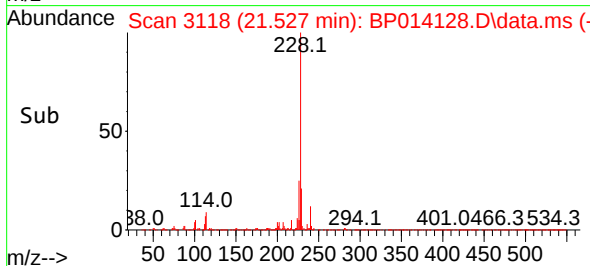
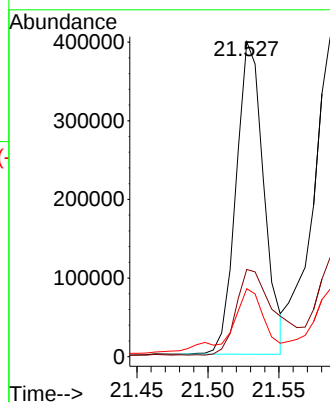
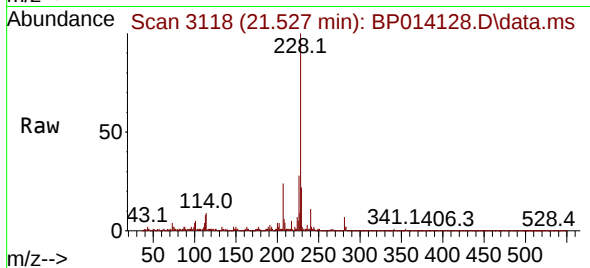
229 21.6 15.8 23.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#83

Chrysene

Concen: 12.450 ng

RT: 21.586 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

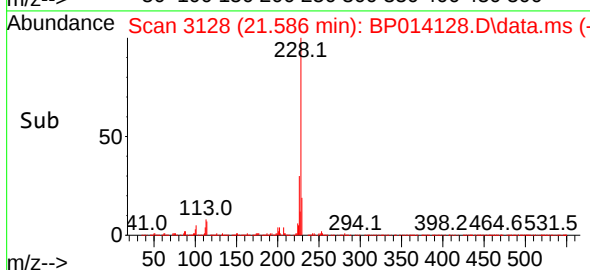
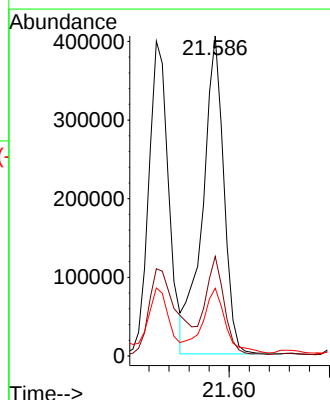
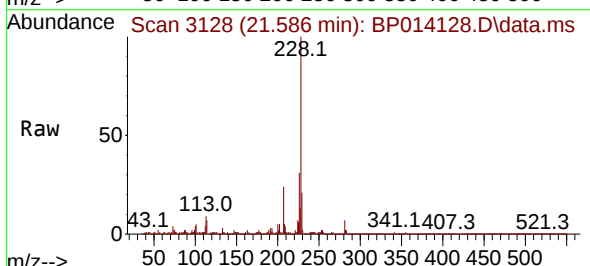
Tgt Ion:228 Resp: 593812

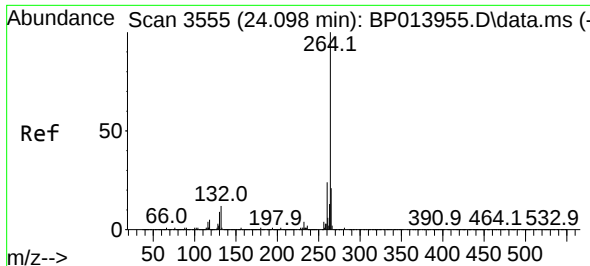
Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.4

229 21.1 15.8 23.8





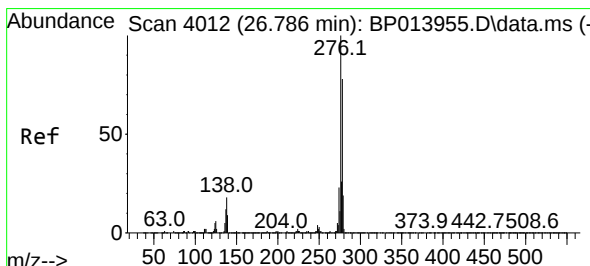
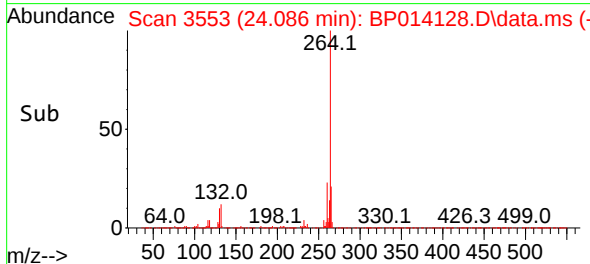
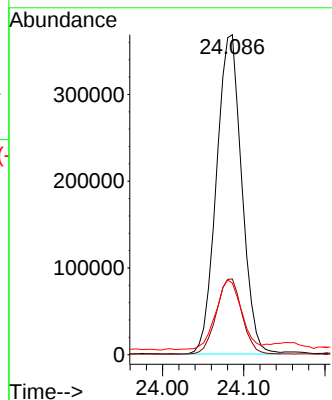
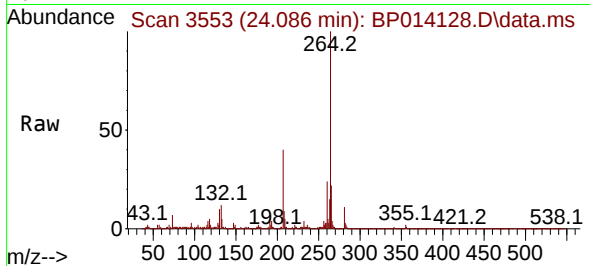
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Instrument :
BNA_P
ClientSampleId :
SV-TP5-0316

Tgt Ion:264 Resp: 797354
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.4 17.8 26.8

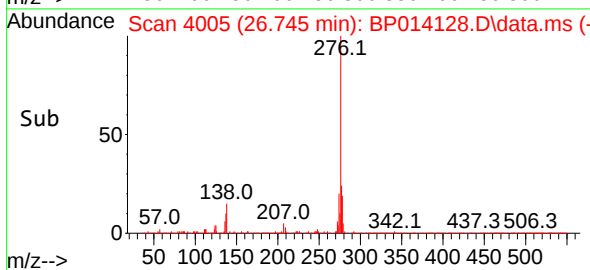
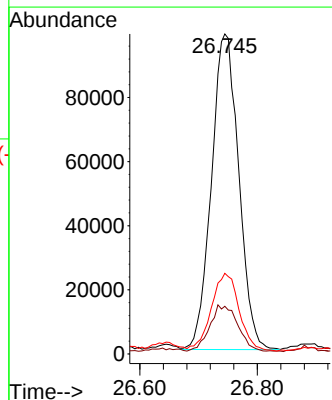
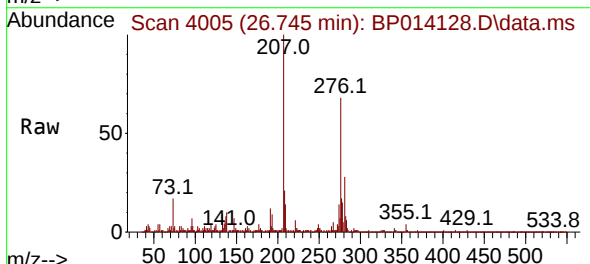
Manual Integrations
APPROVED

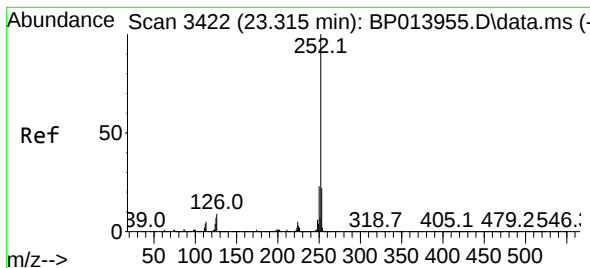
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.146 ng
RT: 26.745 min Scan# 4005
Delta R.T. -0.018 min
Lab File: BP014128.D
Acq: 17 Mar 2023 19:19

Tgt Ion:276 Resp: 317030
Ion Ratio Lower Upper
276 100
138 14.9 13.8 20.8
277 25.2 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.145 ng

RT: 23.304 min Scan# 3420

Delta R.T. -0.006 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Instrument :

BNA_P

ClientSampleId :

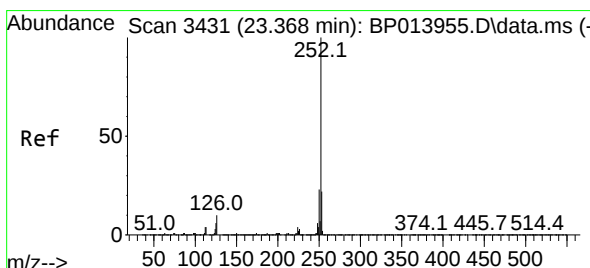
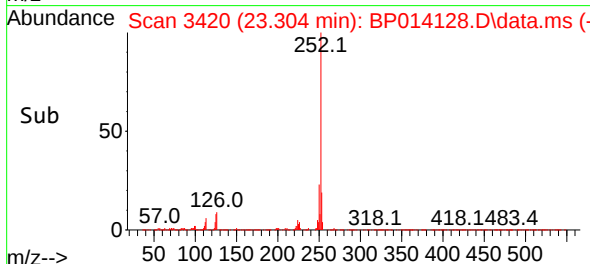
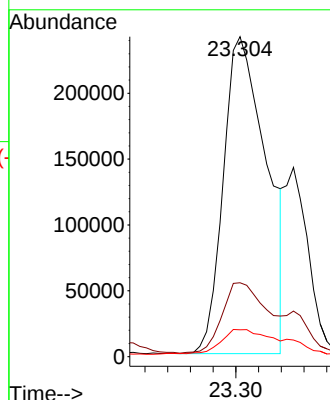
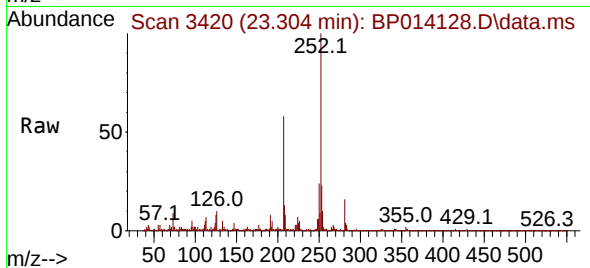
SV-TP5-0316

Tgt Ion:252 Resp: 634080
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.5 26.3
 125 8.4 5.6 8.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023
 Supervised By :Jagrut Upadhyay 03/20/2023



#89

Benzo(k)fluoranthene

Concen: 3.863 ng m

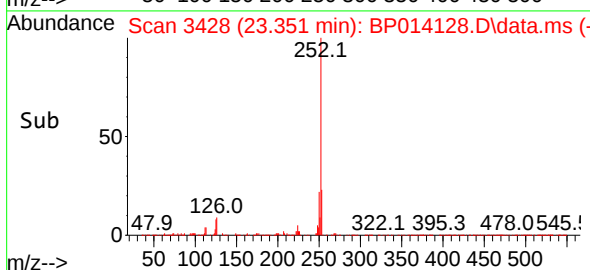
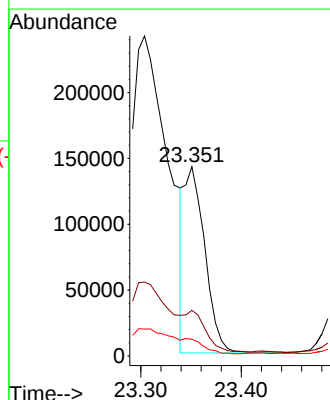
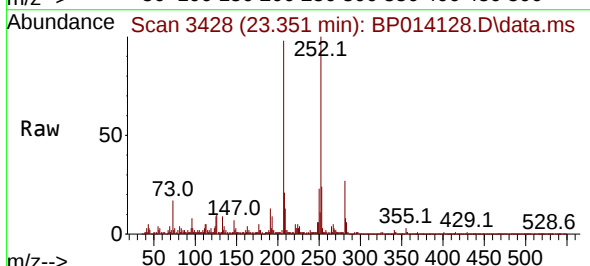
RT: 23.351 min Scan# 3428

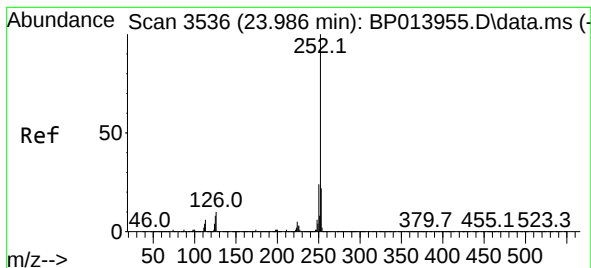
Delta R.T. -0.012 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Tgt Ion:252 Resp: 199967
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.4 26.0
 125 8.8 5.4 8.0





#90

Benzo(a)pyrene

Concen: 9.395 ng

RT: 23.968 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Instrument :

BNA_P

ClientSampleId :

SV-TP5-0316

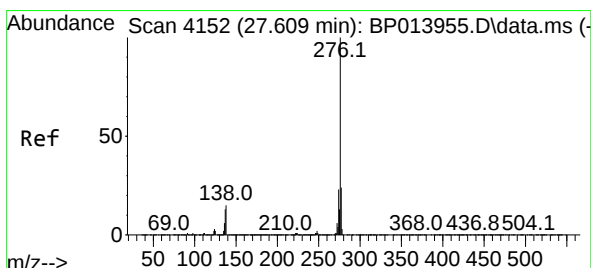
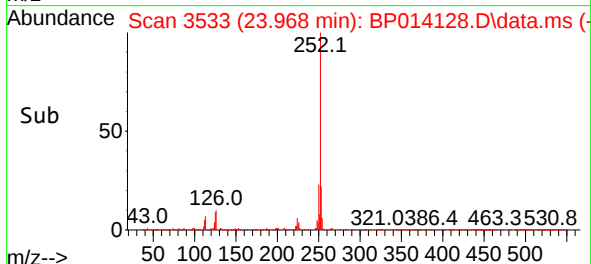
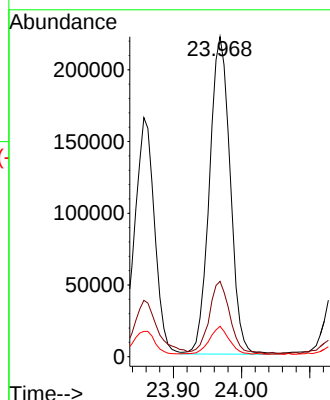
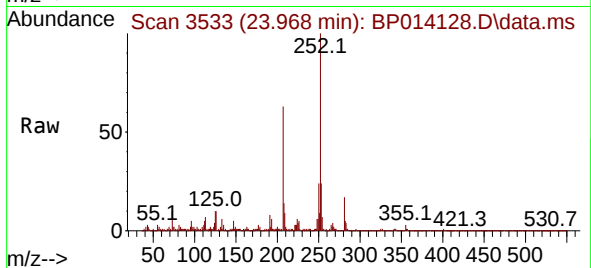
Tgt Ion:	252	Resp:	46786
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.2
125	9.5	6.2	9.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#92

Benzo(g,h,i)perylene

Concen: 6.247 ng

RT: 27.574 min Scan# 4146

Delta R.T. -0.012 min

Lab File: BP014128.D

Acq: 17 Mar 2023 19:19

Tgt Ion:	276	Resp:	317114
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.0
138	16.2	12.2	18.4

