

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014132.D
 Acq On : 17 Mar 2023 21:38
 Operator : CG/JU
 Sample : 01964-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MAPLE-4

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 00:28:22 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	8.058	152	132269	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	526858	20.000	ng	# 0.00
39) Acenaphthene-d10	14.704	164	339044	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	765037	20.000	ng	0.00
76) Chrysene-d12	21.545	240	709666	20.000	ng	0.00
86) Perylene-d12	24.080	264	834847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	816757	100.142	ng	0.00
7) Phenol-d6	7.222	99	1092719	102.045	ng	0.00
23) Nitrobenzene-d5	9.234	82	720333	62.490	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	555027	100.967	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1554146	59.388	ng	0.00
79) Terphenyl-d14	20.004	244	2485518	57.752	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.504	178	358377	8.385	ng	99
75) Fluoranthene	19.463	202	933943	18.283	ng	99
78) Pyrene	19.816	202	800600	14.698	ng	99
81) Benzo(a)anthracene	21.528	228	466052	8.950	ng	99
83) Chrysene	21.586	228	439213	8.907	ng	98
87) Indeno(1,2,3-cd)pyrene	26.745	276	321401	4.982	ng	98
88) Benzo(b)fluoranthene	23.304	252	652236	11.931	ng	97
89) Benzo(k)fluoranthene	23.351	252	189057m	3.488	ng	
90) Benzo(a)pyrene	23.969	252	452107	8.671	ng	96
92) Benzo(g,h,i)perylene	27.574	276	311192	5.855	ng	97

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

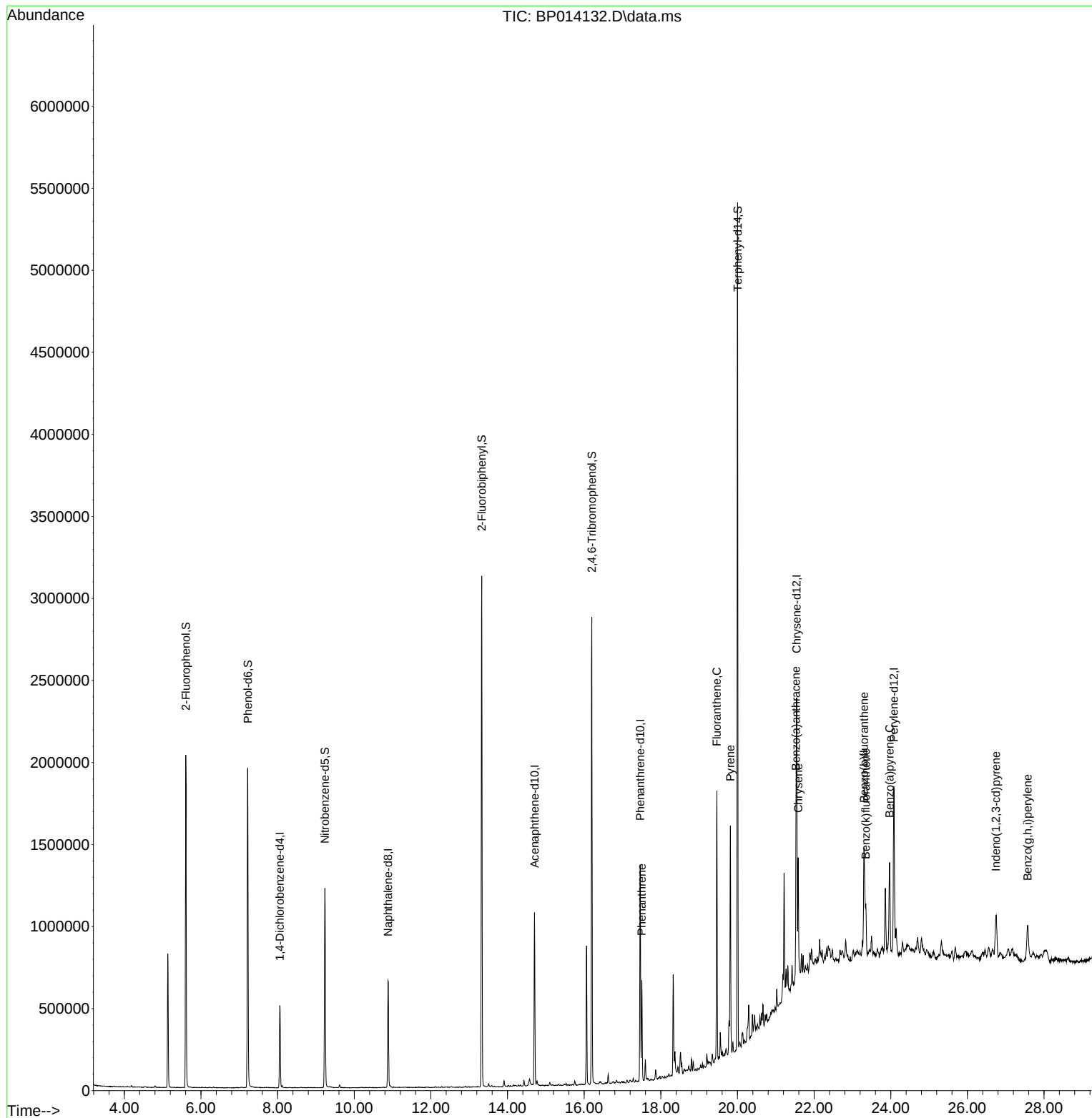
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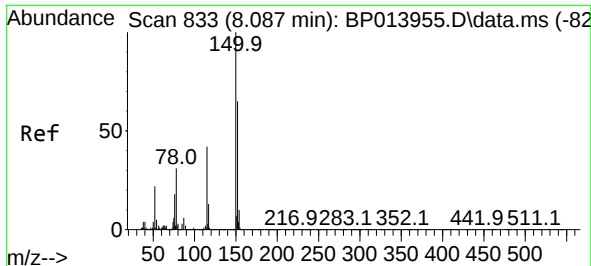
Instrument :
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Quant Time: Mar 18 00:28:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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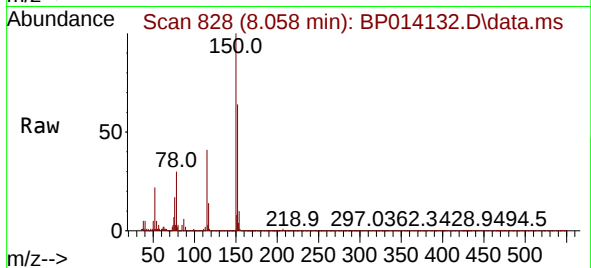
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

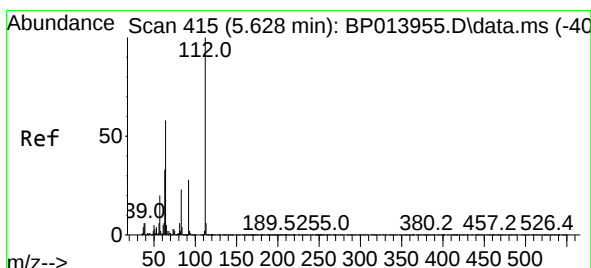
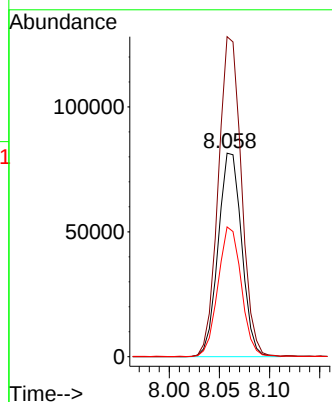
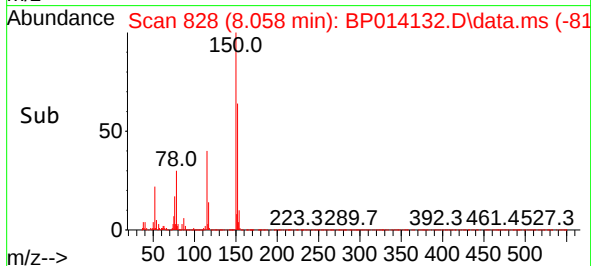
Instrument :
BNA_P
ClientSampleId :
MAPLE-4



Tgt Ion:152 Resp: 132269
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 63.8 51.6 77.4

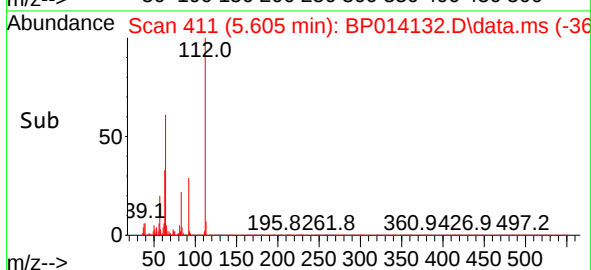
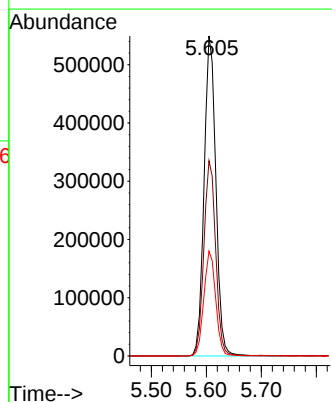
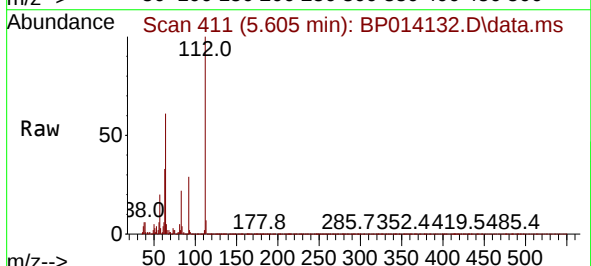
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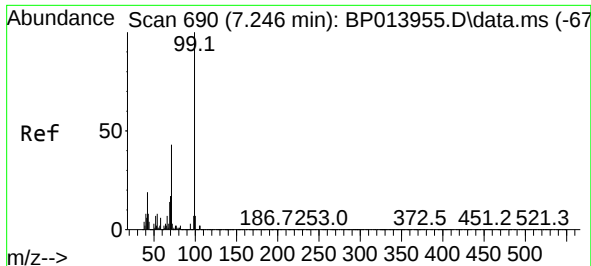
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#5
2-Fluorophenol
Concen: 100.142 ng
RT: 5.605 min Scan# 411
Delta R.T. 0.000 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

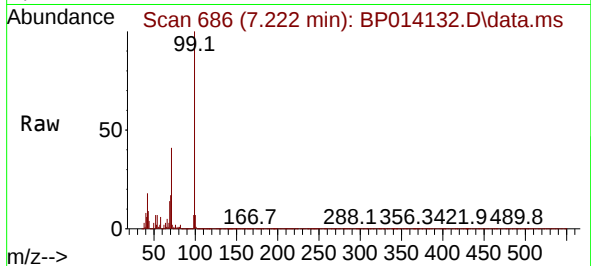
Tgt Ion:112 Resp: 816757
Ion Ratio Lower Upper
112 100
64 61.0 46.7 70.1
63 32.8 26.6 40.0





#7
Phenol-d6
Concen: 102.045 ng
RT: 7.222 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

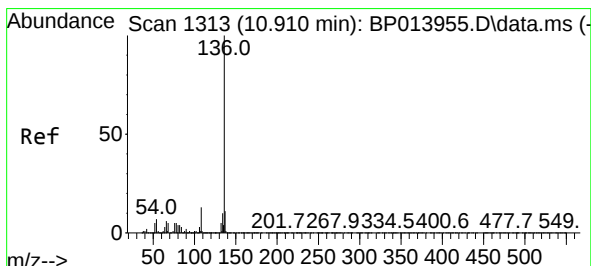
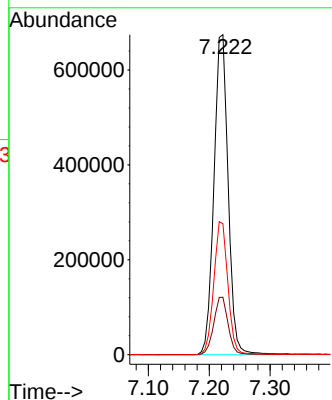
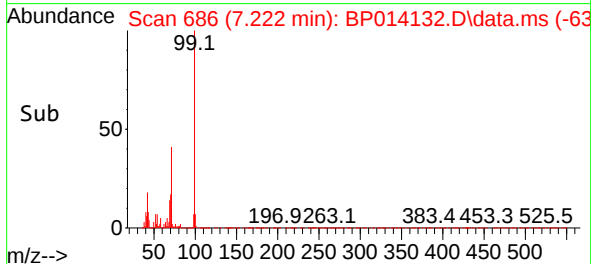
Instrument :
BNA_P
ClientSampleId :
MAPLE-4



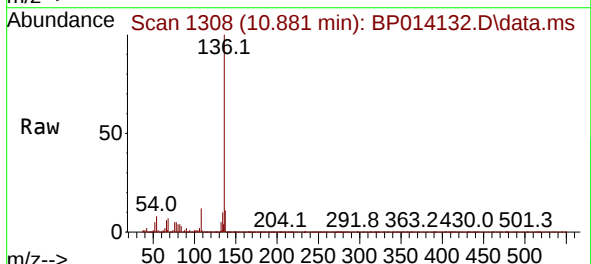
Tgt Ion: 99 Resp: 1092719
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 41.0 34.3 51.5

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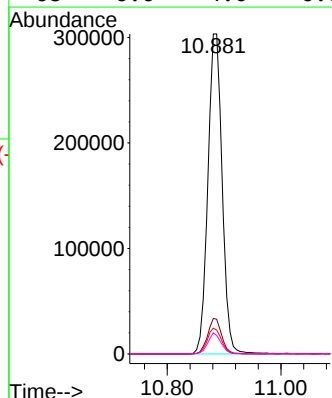
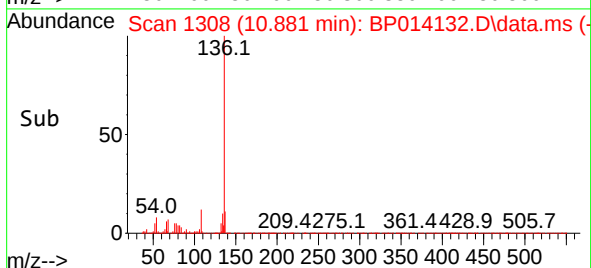
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

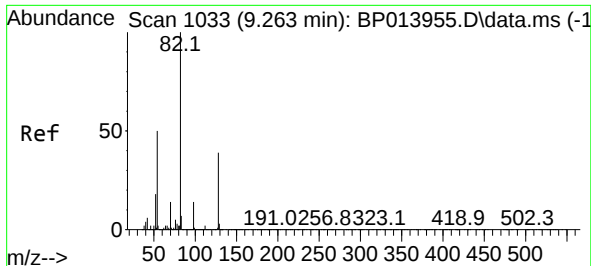


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38



Tgt Ion:136 Resp: 526858
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 5.8 8.8
68 6.6 4.0 6.0#





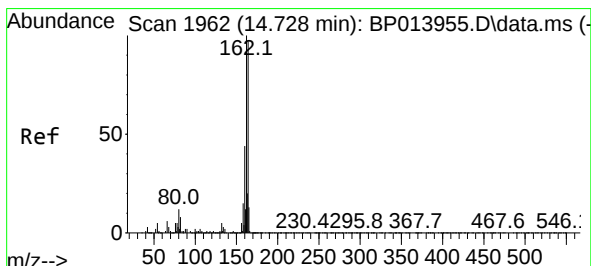
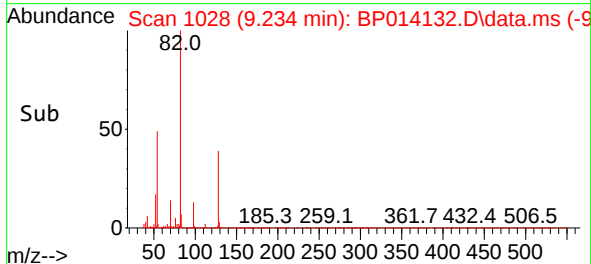
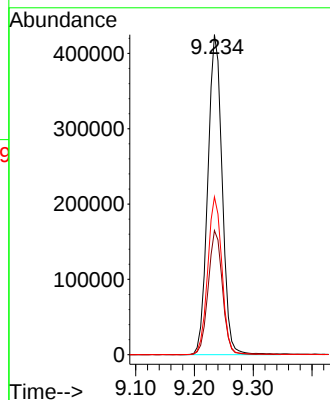
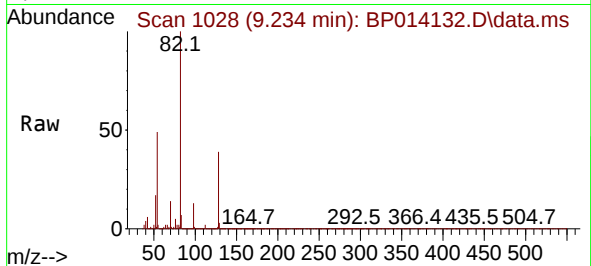
#23
Nitrobenzene-d5
Concen: 62.490 ng
RT: 9.234 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Instrument :
BNA_P
ClientSampleId :
MAPLE-4

Tgt Ion: 82 Resp: 72033
Ion Ratio Lower Upper
82 100
128 38.8 31.1 46.7
54 49.3 40.0 60.0

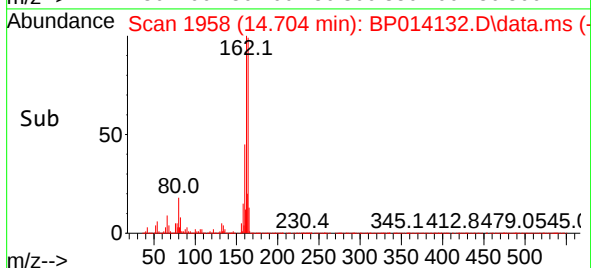
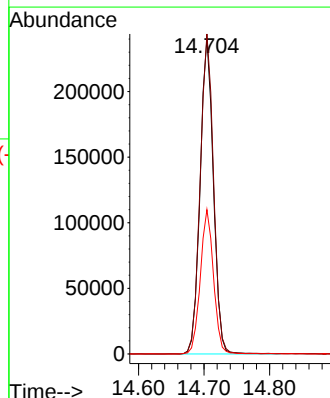
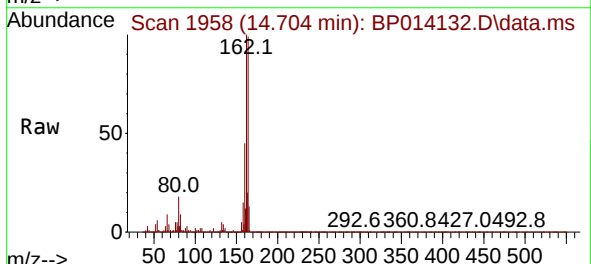
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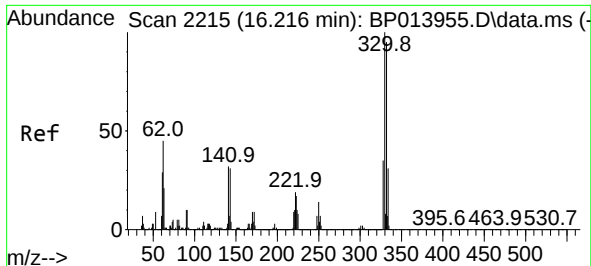
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:164 Resp: 339044
Ion Ratio Lower Upper
164 100
162 101.4 82.1 123.1
160 45.7 36.2 54.2





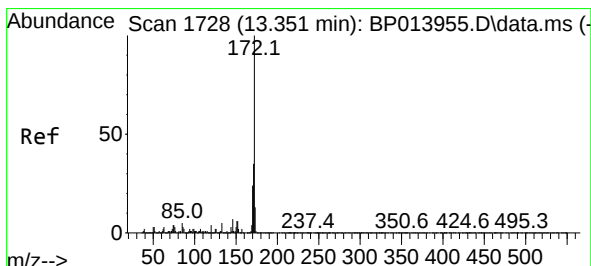
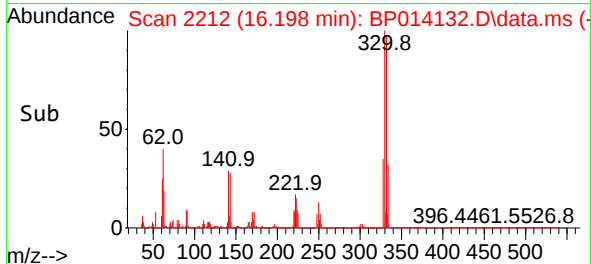
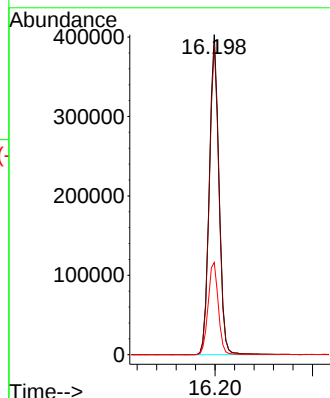
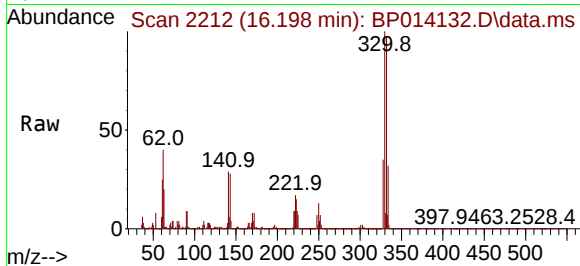
#42
2,4,6-Tribromophenol
Concen: 100.967 ng
RT: 16.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Instrument :
BNA_P
ClientSampleId :
MAPLE-4

Tgt Ion:330 Resp: 55502
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 29.9 25.6 38.4

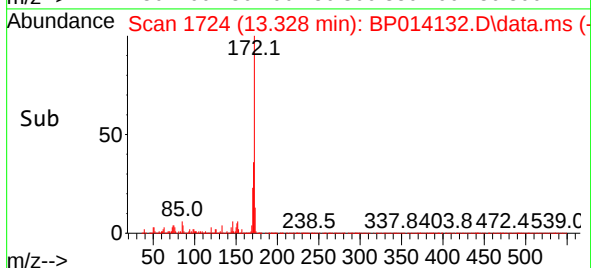
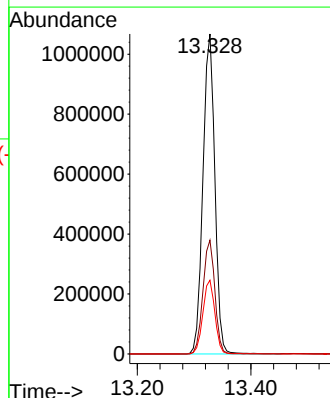
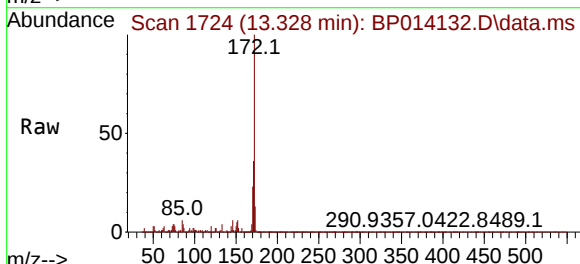
Manual Integrations
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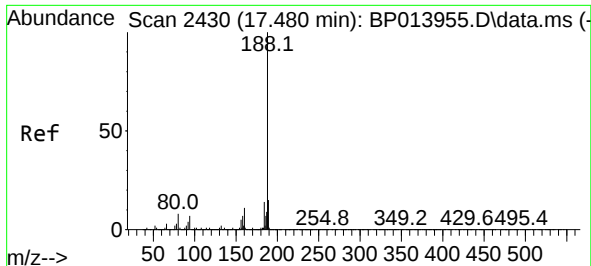
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#45
2-Fluorobiphenyl
Concen: 59.388 ng
RT: 13.328 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:172 Resp: 1554146
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.1 19.0 28.4





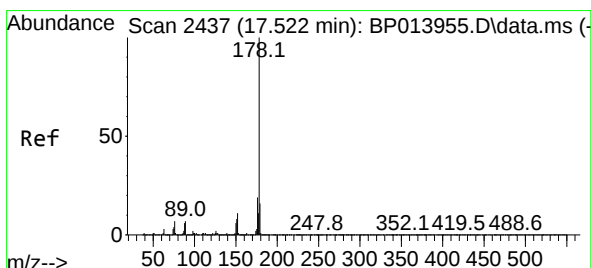
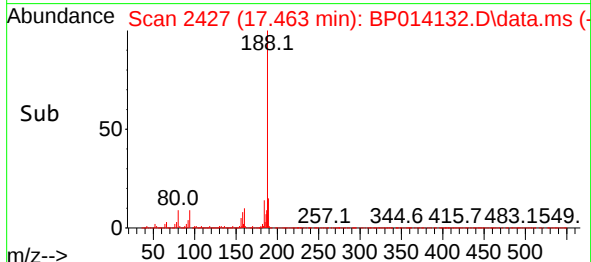
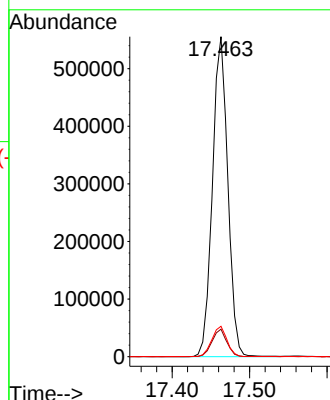
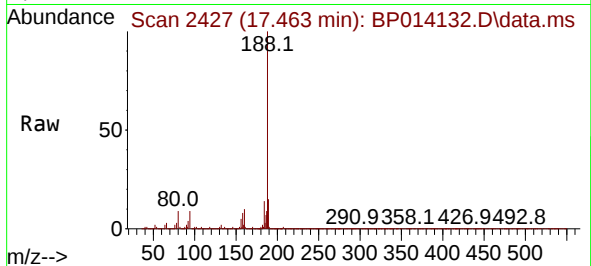
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Instrument :
BNA_P
ClientSampleId :
MAPLE-4

Tgt Ion:188 Resp: 76503
Ion Ratio Lower Upper
188 100
94 8.6 5.8 8.6
80 9.5 6.6 9.8

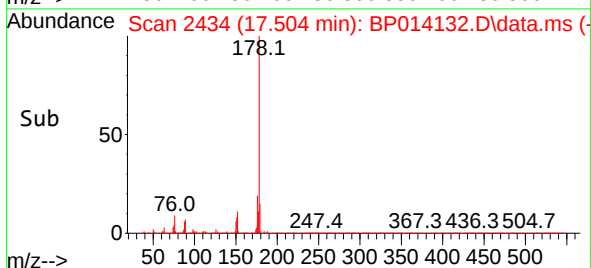
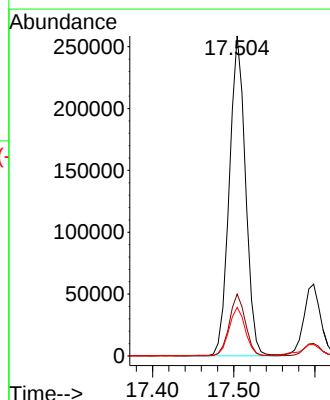
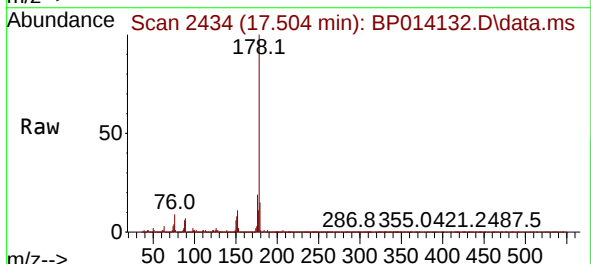
Manual Integrations
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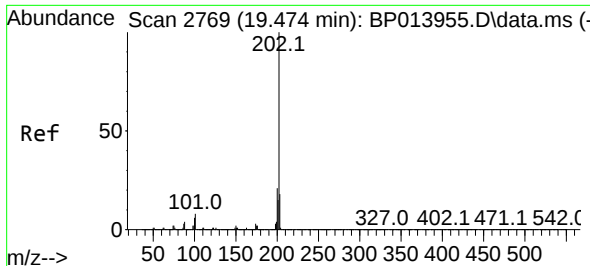
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#71
Phenanthrene
Concen: 8.385 ng
RT: 17.504 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

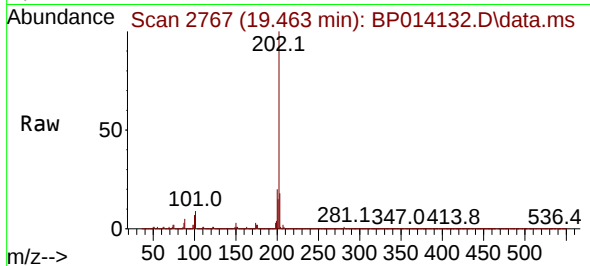
Tgt Ion:178 Resp: 358377
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 18.283 ng
RT: 19.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

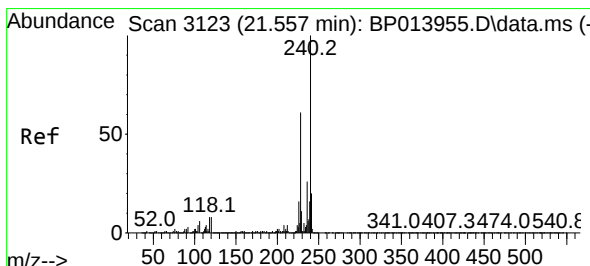
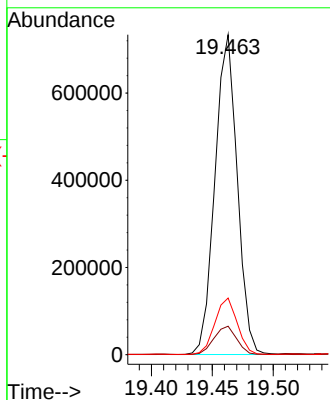
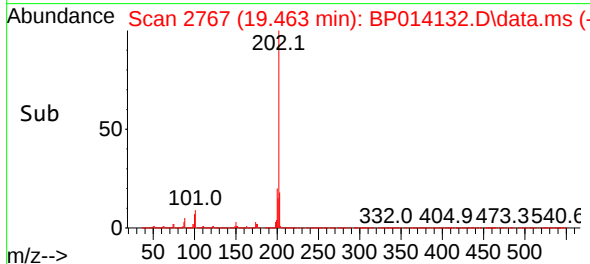
Instrument :
BNA_P
ClientSampleId :
MAPLE-4



Tgt Ion:202 Resp: 93394
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.9
203 17.7 0.0 37.7

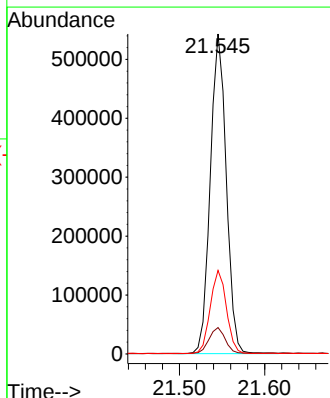
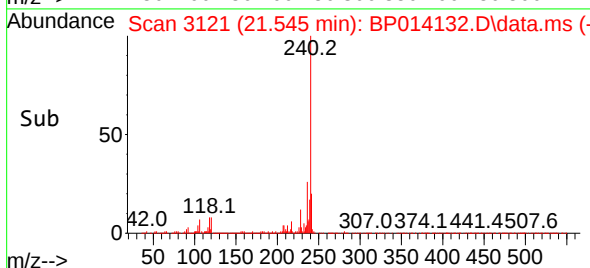
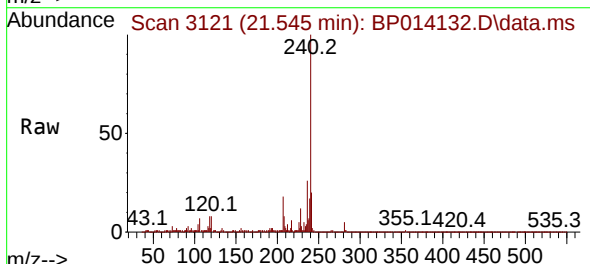
Manual Integrations
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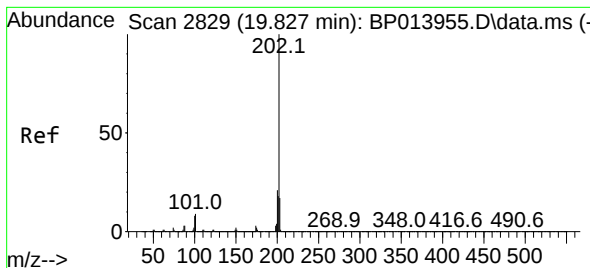
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:240 Resp: 709666
Ion Ratio Lower Upper
240 100
120 8.3 6.4 9.6
236 26.1 21.2 31.8





#78

Pyrene

Concen: 14.698 ng

RT: 19.816 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

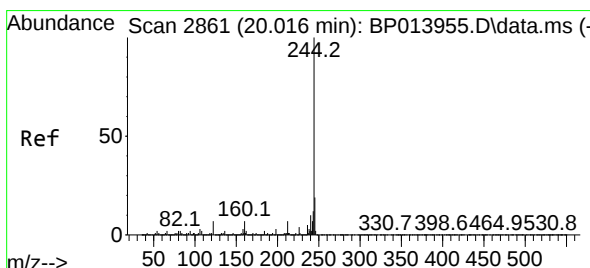
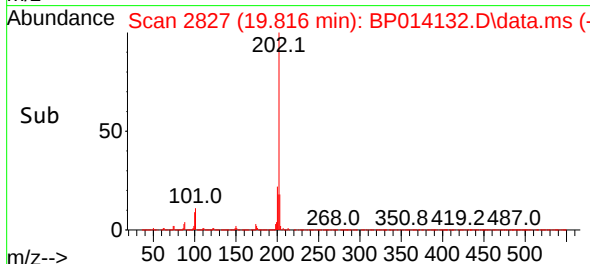
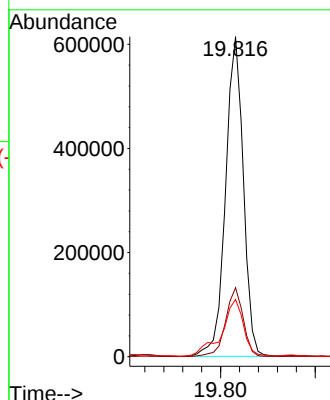
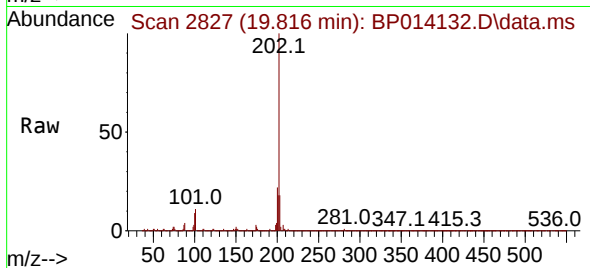
Tgt Ion:	202	Resp:	800600
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.9	25.3
203	17.9	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#79

Terphenyl-d14

Concen: 57.752 ng

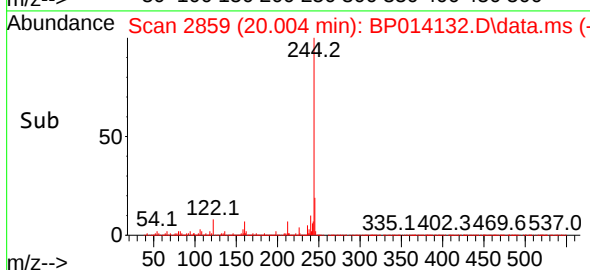
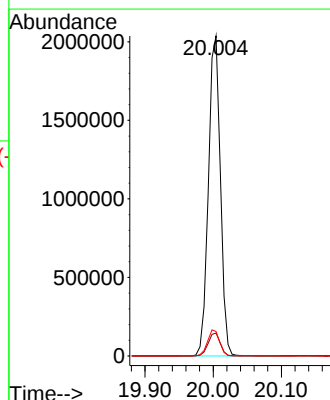
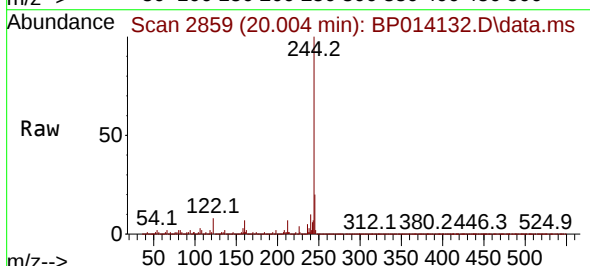
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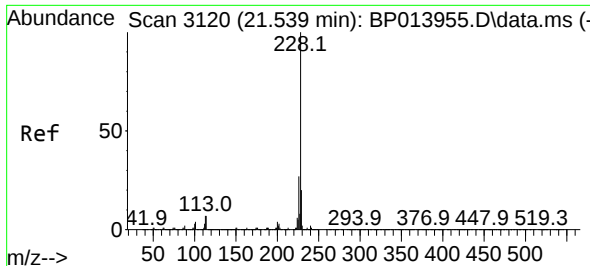
Delta R.T. 0.000 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Tgt Ion:	244	Resp:	2485518
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	7.6	5.8	8.6





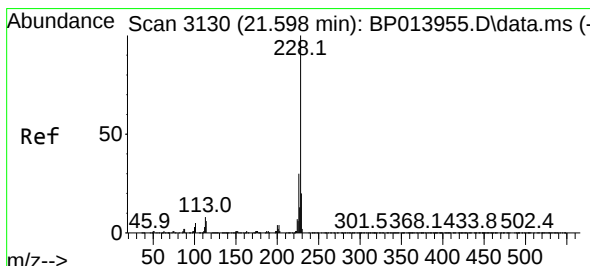
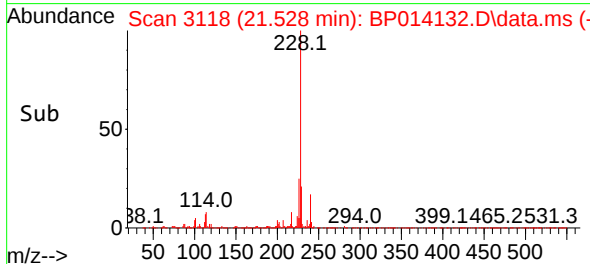
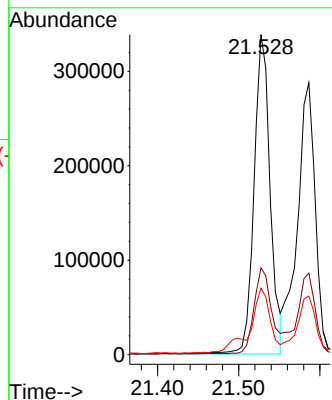
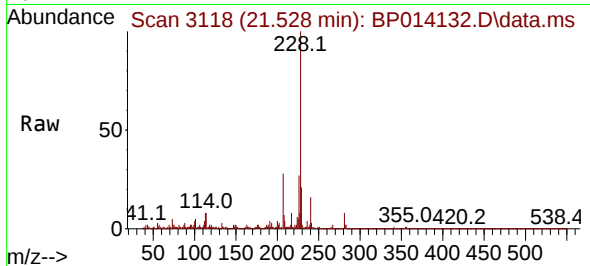
#81
Benzo(a)anthracene
Concen: 8.950 ng
RT: 21.528 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Instrument :
BNA_P
ClientSampleId :
MAPLE-4

Tgt Ion:228 Resp: 466052
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 20.8 15.8 23.6

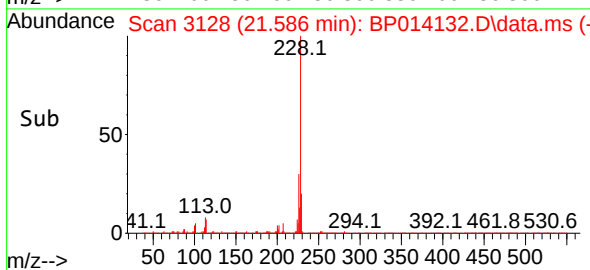
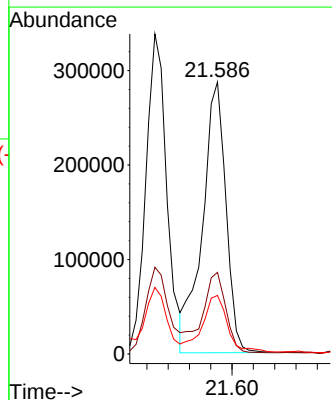
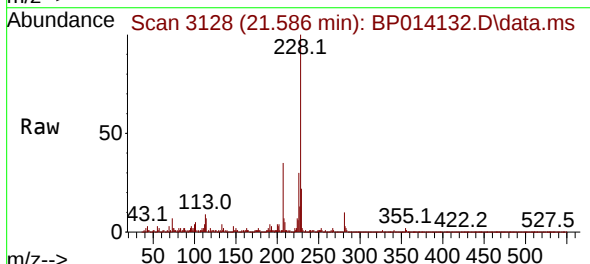
Manual Integrations
APPROVED

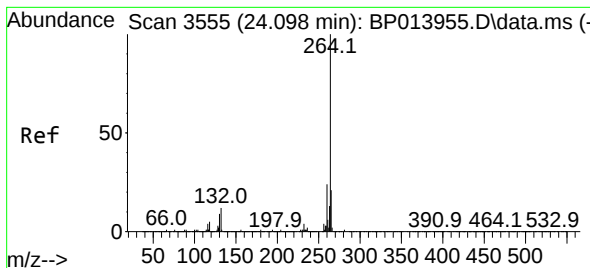
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#83
Chrysene
Concen: 8.907 ng
RT: 21.586 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:228 Resp: 439213
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.080 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

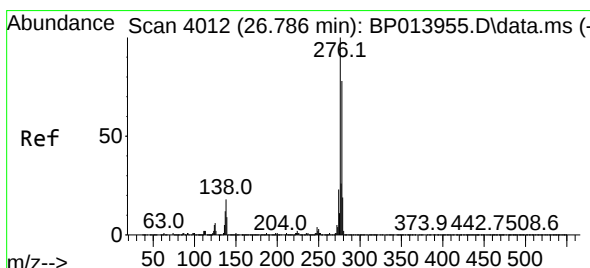
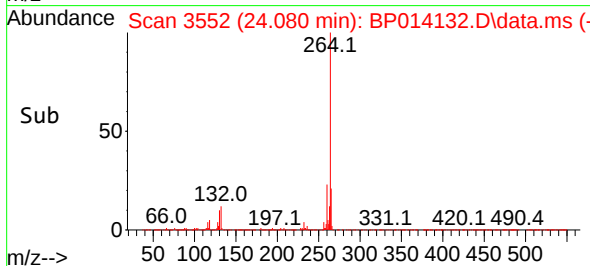
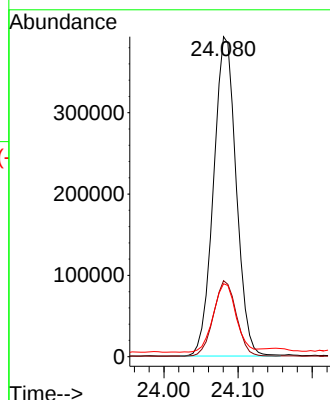
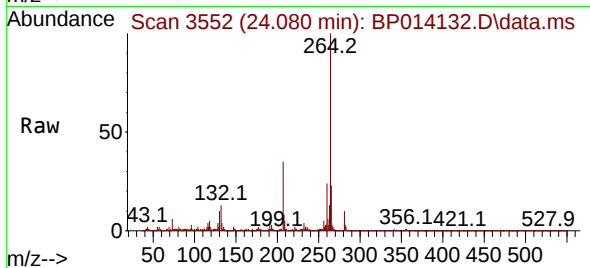
Tgt Ion:	264	Resp:	83484
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.4	29.2
265	22.8	17.8	26.8

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: 4.982 ng

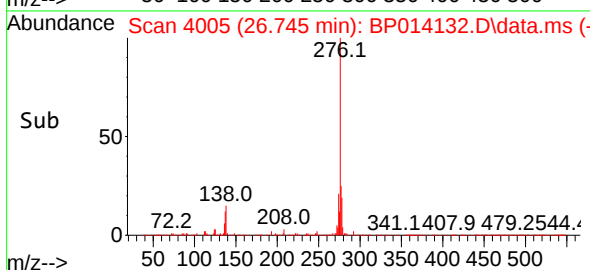
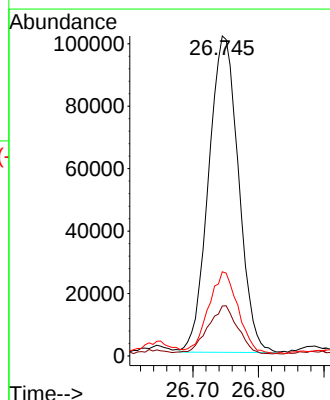
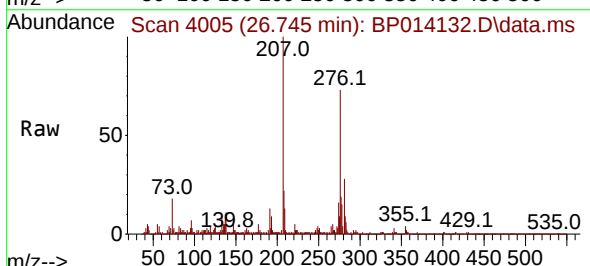
RT: 26.745 min Scan# 4005

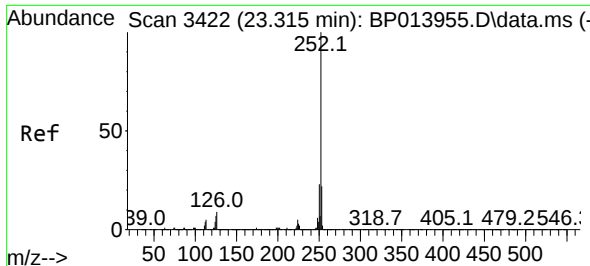
Delta R.T. -0.018 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Tgt Ion:	276	Resp:	321401
Ion Ratio	Lower	Upper	
276	100		
138	15.2	13.8	20.8
277	25.3	20.4	30.6





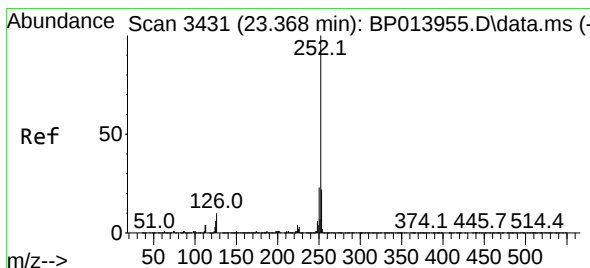
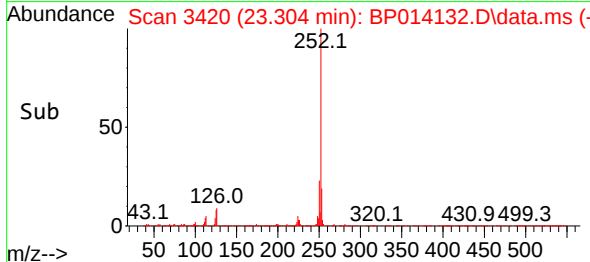
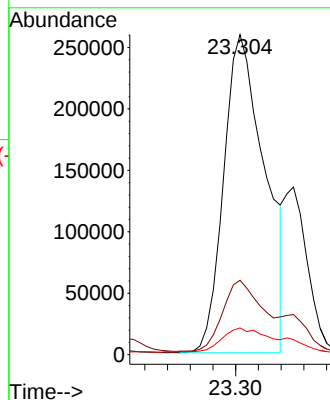
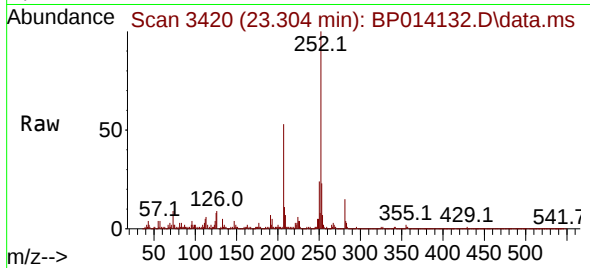
#88
Benzo(b)fluoranthene
Concen: 11.931 ng
RT: 23.304 min Scan# 3422
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Instrument :
BNA_P
ClientSampleId :
MAPLE-4

Tgt Ion:252 Resp: 652230
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.3 5.6 8.4

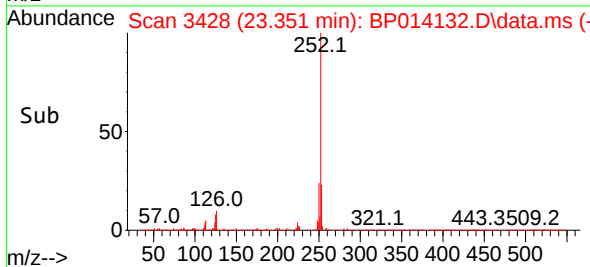
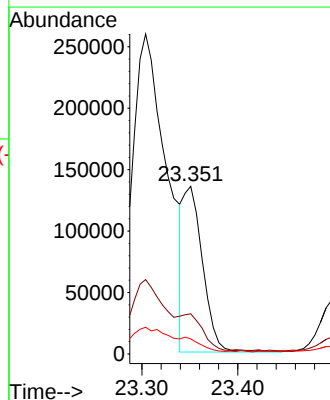
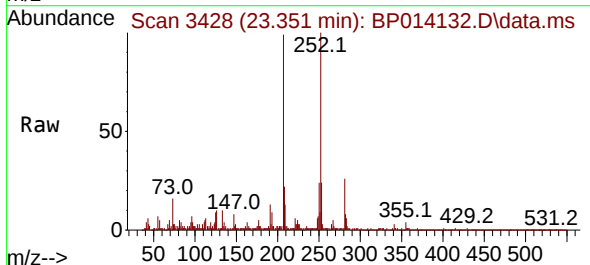
Manual Integrations
APPROVED

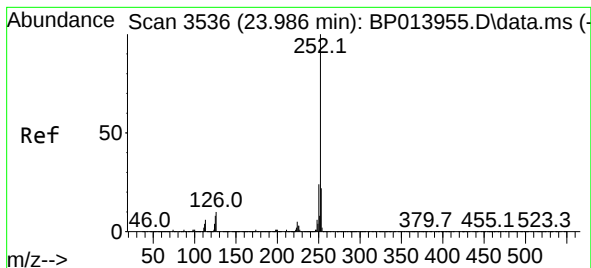
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.488 ng m
RT: 23.351 min Scan# 3428
Delta R.T. -0.012 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:252 Resp: 189057
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 9.0 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 8.671 ng

RT: 23.969 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

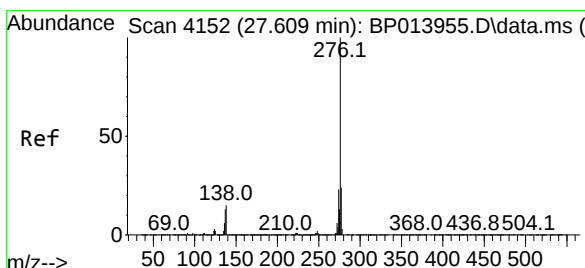
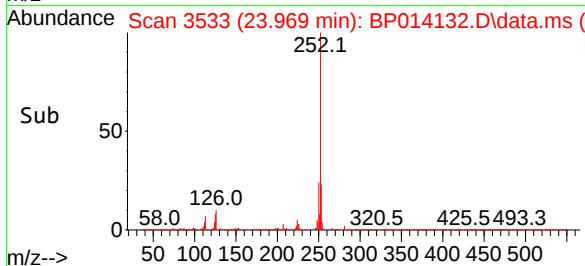
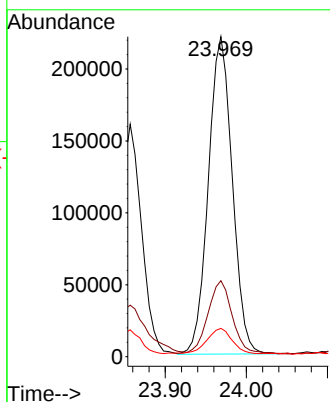
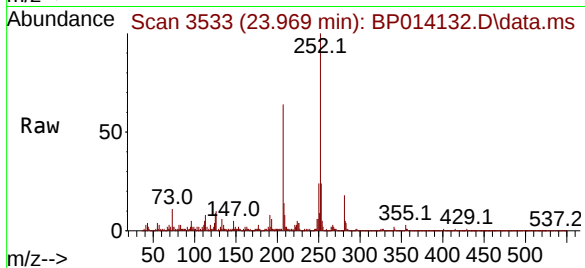
MAPLE-4

Tgt Ion:	252	Resp:	45210
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.2
125	8.8	6.2	9.4

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.855 ng

RT: 27.574 min Scan# 4146

Delta R.T. -0.012 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Tgt Ion:	276	Resp:	311192
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.4	29.0
138	15.5	12.2	18.4

