

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013949.D
 Acq On : 03 Mar 2023 18:40
 Operator : CG/JU
 Sample : 01767-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CE-33-030123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 00:58:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	114391	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	403608	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	267732	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	612848	20.000	ng	0.00
76) Chrysene-d12	21.563	240	637632	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	743906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	577132	83.151	ng	0.00
7) Phenol-d6	7.246	99	788335	88.685	ng	0.00
23) Nitrobenzene-d5	9.263	82	523120	69.990	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	473876	121.591	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1227296	60.210	ng	0.00
79) Terphenyl-d14	20.016	244	2491276	75.172	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.528	178	107850	3.141	ng	97
75) Fluoranthene	19.475	202	301659	7.048	ng	98
78) Pyrene	19.833	202	296276	6.799	ng	98
81) Benzo(a)anthracene	21.545	228	172326	3.774	ng	97
83) Chrysene	21.598	228	154544m	3.494	ng	
87) Indeno(1,2,3-cd)pyrene	26.786	276	126958	2.194	ng	# 93
88) Benzo(b)fluoranthene	23.327	252	229978	4.888	ng	# 94
90) Benzo(a)pyrene	23.992	252	187321	4.118	ng	98
92) Benzo(g,h,i)perylene	27.615	276	134447	2.804	ng	# 94

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

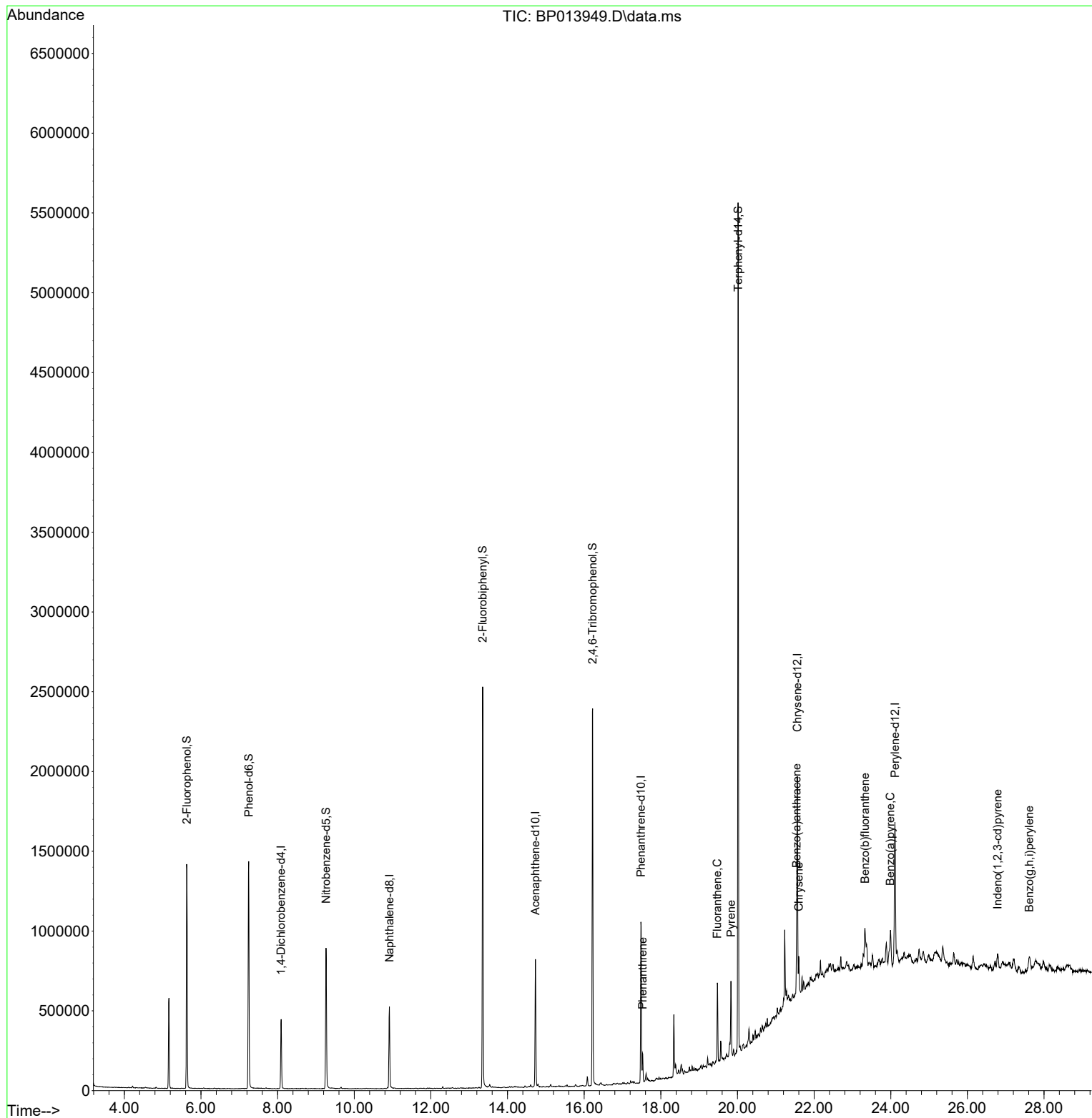
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
Data File : BP013949.D
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Sample : 01767-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

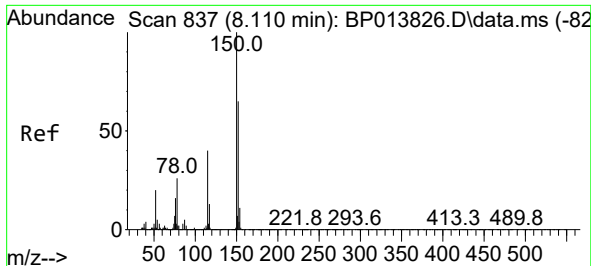
Instrument :
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Quant Time: Mar 04 00:58:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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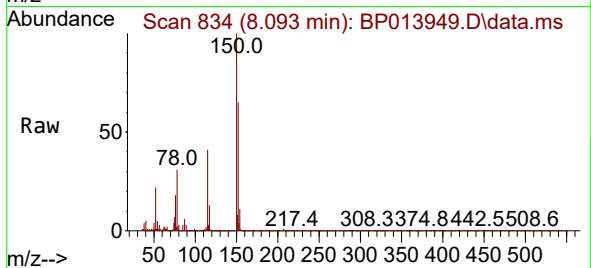
Reviewed By : Christian Giraldo 03/06/2023
Supervised By : Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

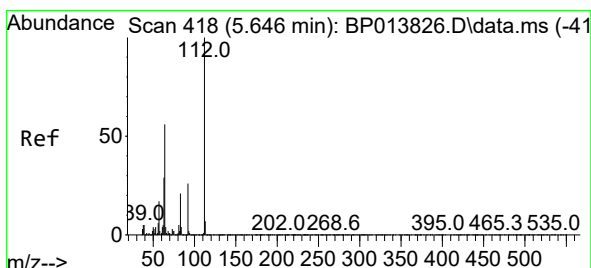
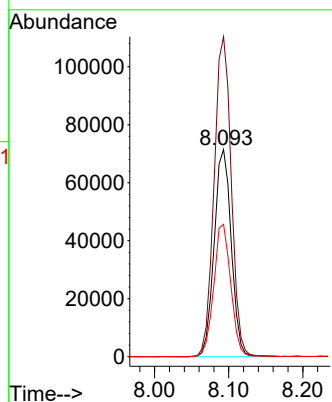
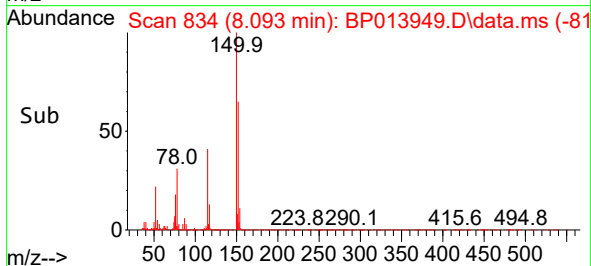
Instrument :
BNA_P
ClientSampleId :
CE-33-030123



Tgt Ion:152 Resp: 11439
Ion Ratio Lower Upper
152 100
150 154.4 122.8 184.2
115 63.9 49.0 73.6

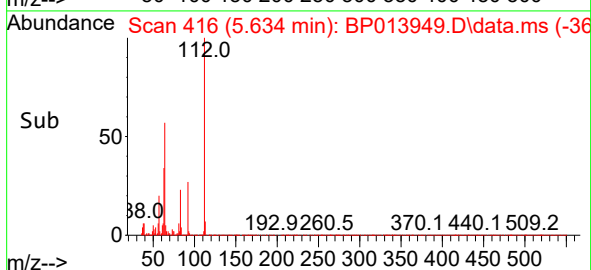
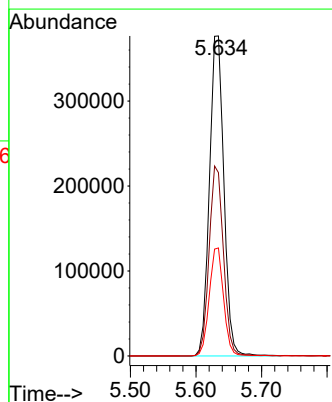
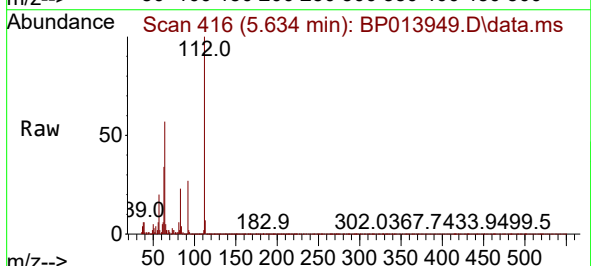
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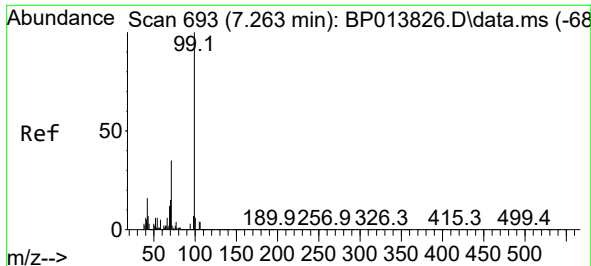
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 83.151 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:112 Resp: 577132
Ion Ratio Lower Upper
112 100
64 57.3 44.6 66.8
63 33.8 23.6 35.4





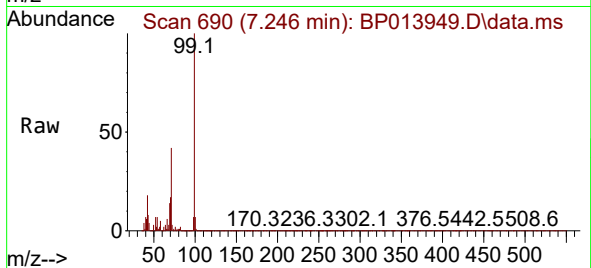
Phenol-d6
Concen: 88.685 ng
RT: 7.246 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

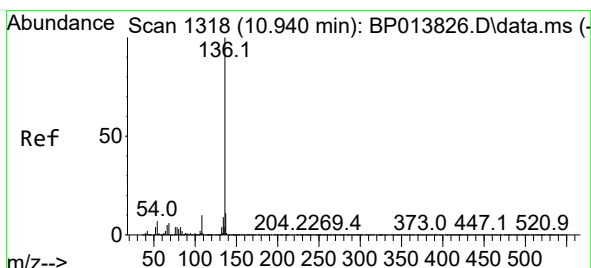
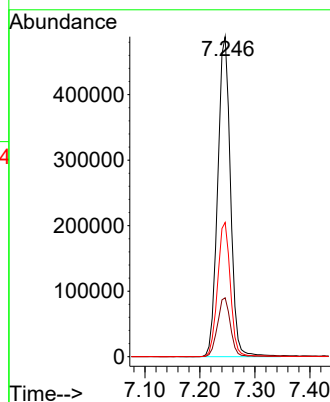
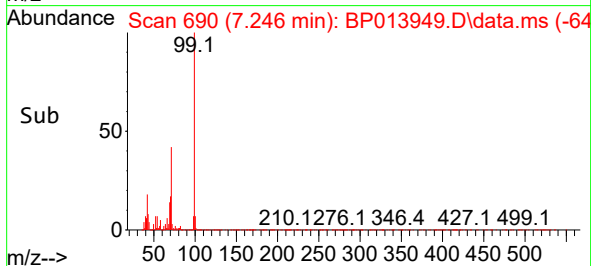
CE-33-030123



Tgt Ion: 99 Resp: 788335
Ion Ratio Lower Upper
99 100
42 18.4 12.5 18.7
71 42.0 27.8 41.8

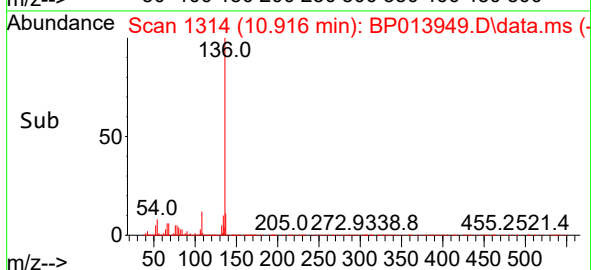
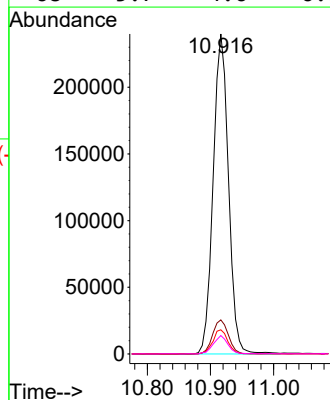
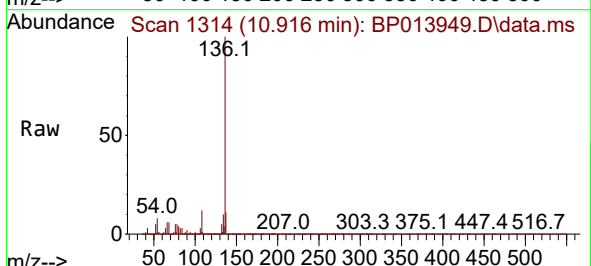
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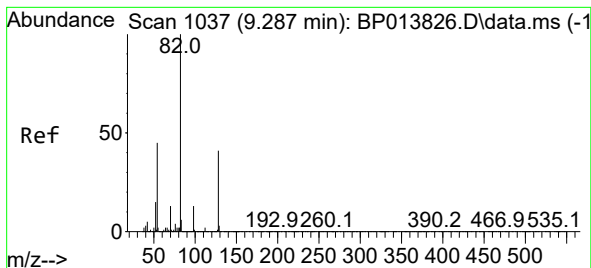
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:136 Resp: 403608
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.6 5.8 8.6
68 5.7 4.6 6.8





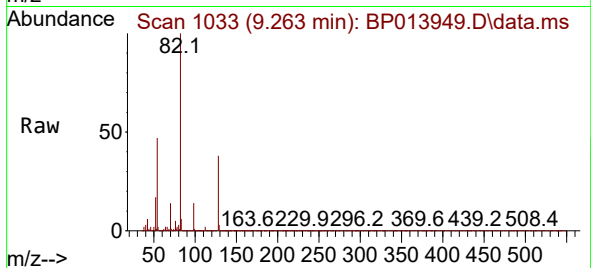
#23
Nitrobenzene-d5
Concen: 69.990 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

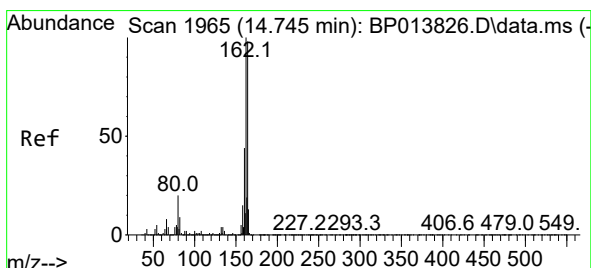
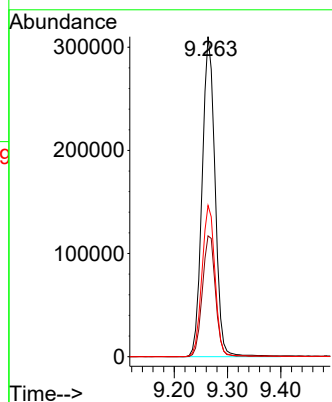
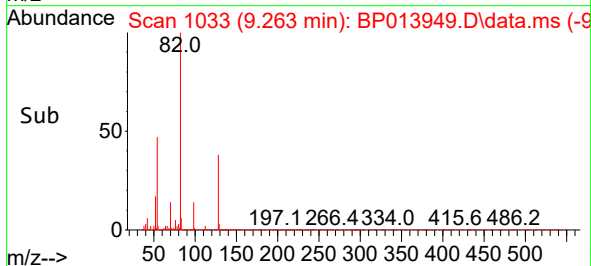


Tgt Ion: 82 Resp: 523120
Ion Ratio Lower Upper
82 100
128 37.8 32.9 49.3
54 47.2 35.6 53.4

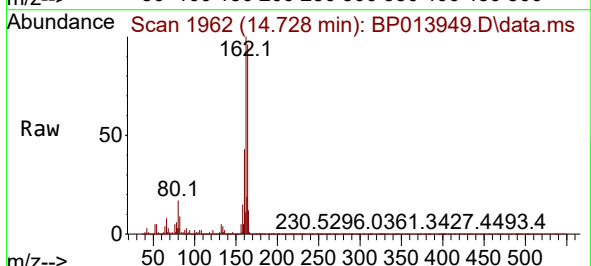
Manual Integrations

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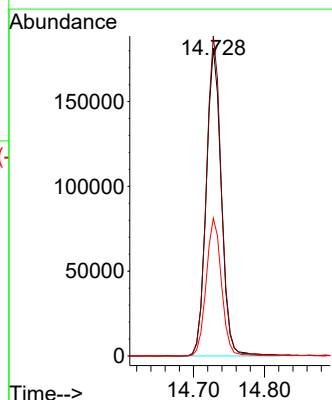
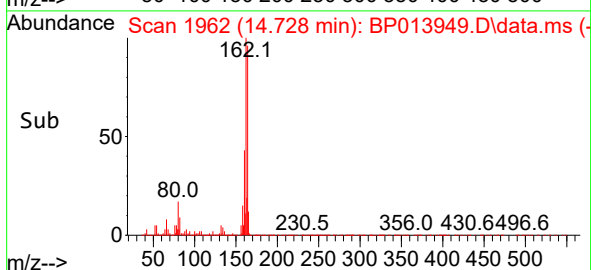
Reviewed By :Christian Giraldo 03/06/2023
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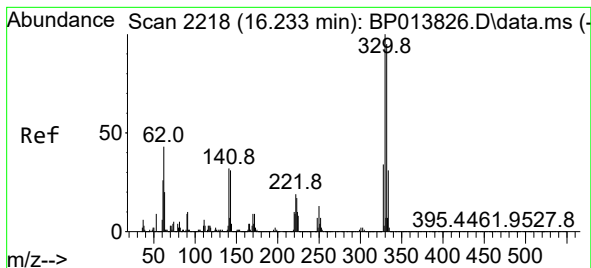


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40



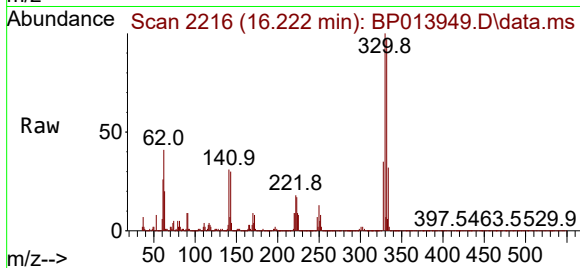
Tgt Ion:164 Resp: 267732
Ion Ratio Lower Upper
164 100
162 103.9 81.7 122.5
160 44.7 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 121.591 ng
RT: 16.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

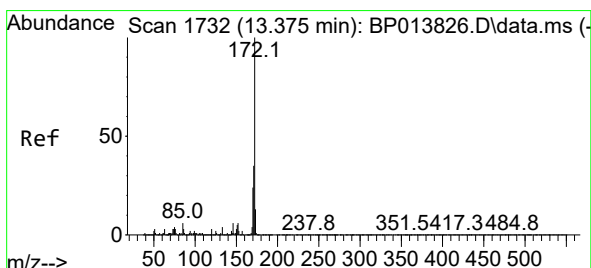
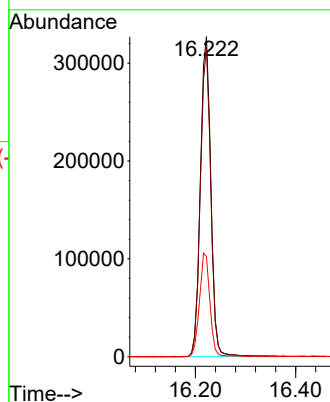
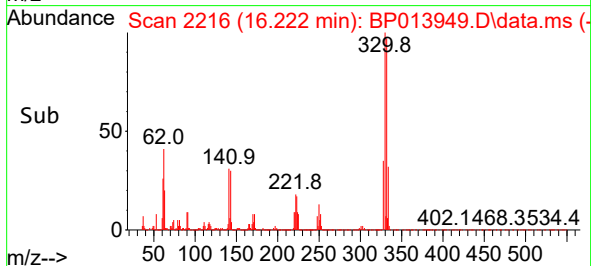
Instrument :
BNA_P
ClientSampleId :
CE-33-030123



Tgt Ion:330 Resp: 473870
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 32.2 25.1 37.7

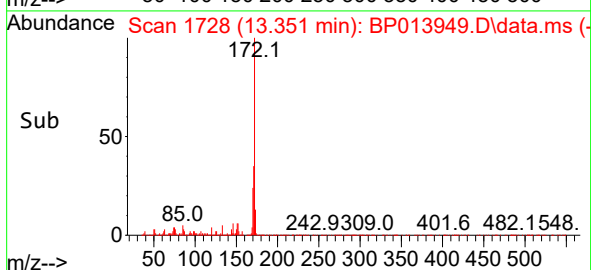
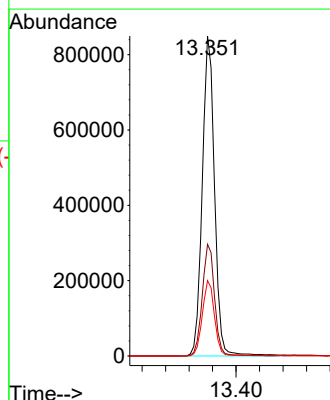
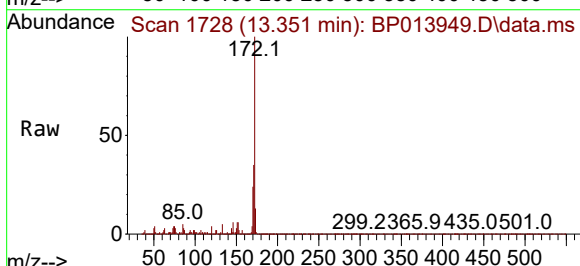
Manual Integrations
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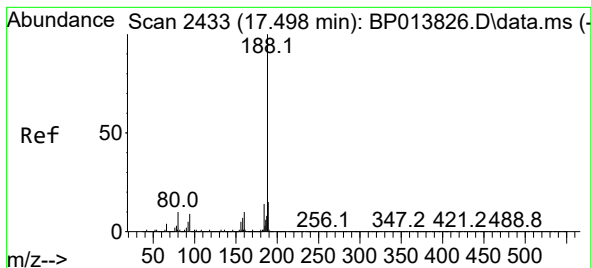
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#45
2-Fluorobiphenyl
Concen: 60.210 ng
RT: 13.351 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:172 Resp: 1227296
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.481 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

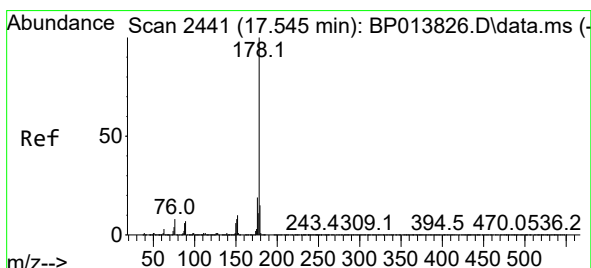
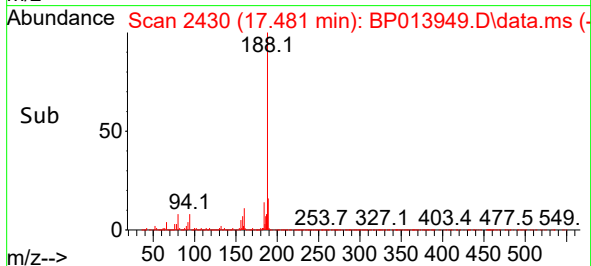
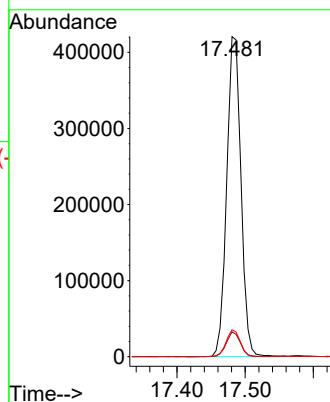
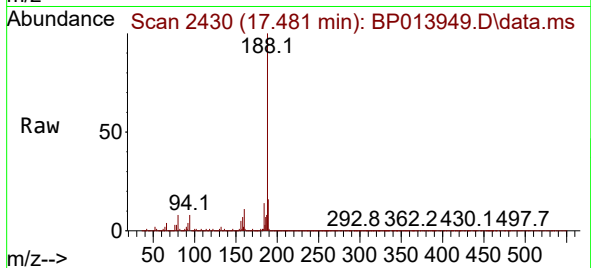
CE-33-030123

Tgt Ion:188 Resp: 61284
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.4 7.8 11.8

Manual Integrations

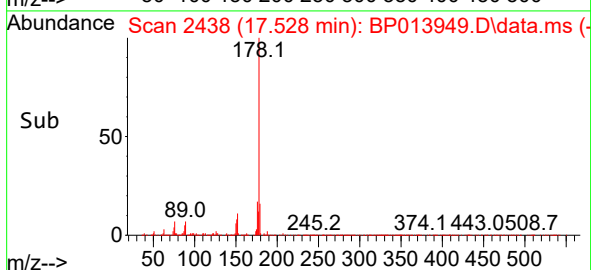
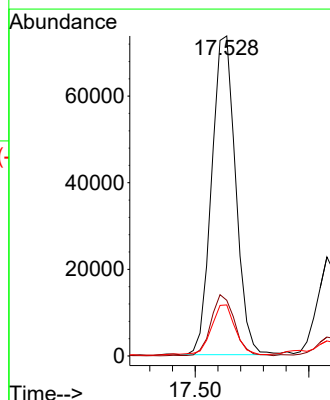
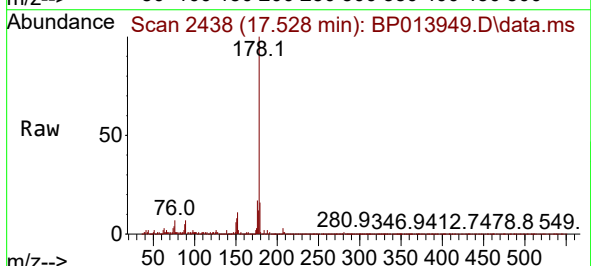
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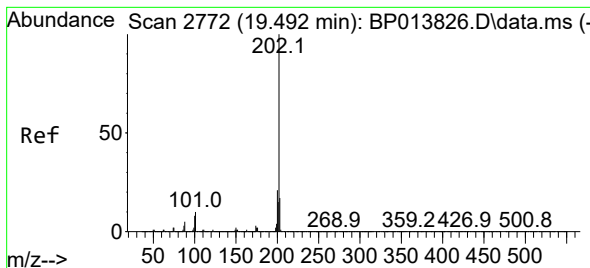
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 3.141 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:178 Resp: 107850
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 16.0 12.2 18.4





#75

Fluoranthene

Concen: 7.048 ng

RT: 19.475 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

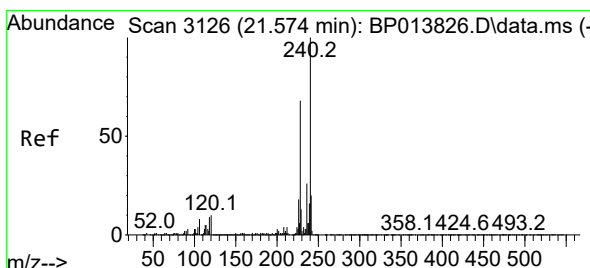
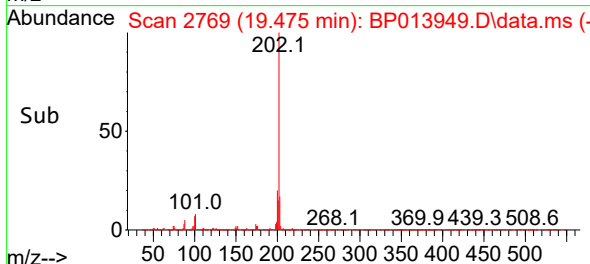
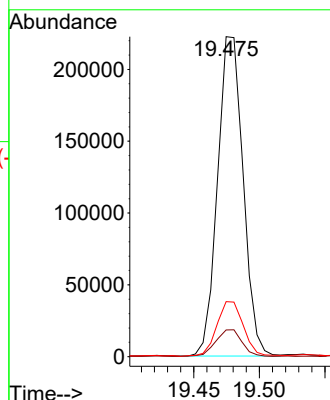
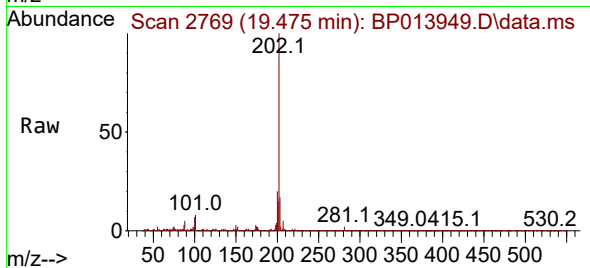
Tgt Ion:202 Resp: 301659
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 30.0
 203 17.2 0.0 37.5

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

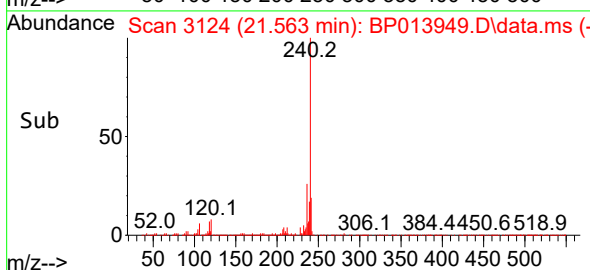
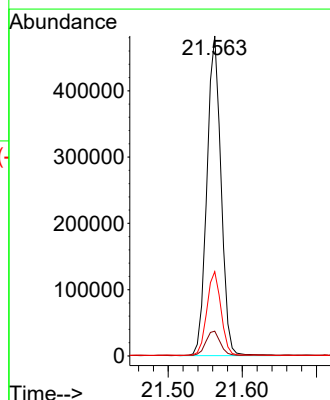
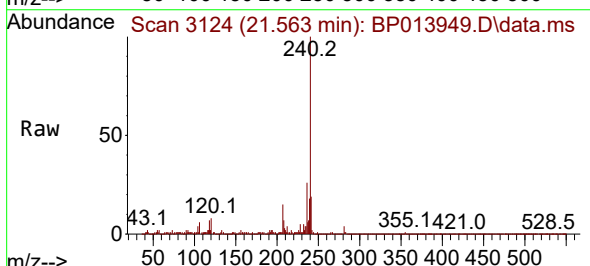
RT: 21.563 min Scan# 3124

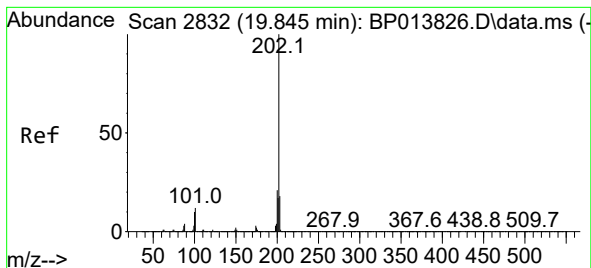
Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Tgt Ion:240 Resp: 637632
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.9 11.9#
 236 26.4 20.9 31.3





#78

Pyrene

Concen: 6.799 ng

RT: 19.833 min Scan# 2830

Delta R.T. 0.000 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

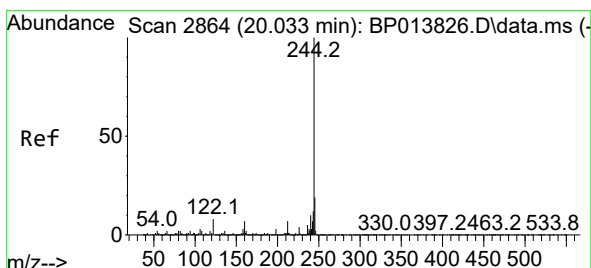
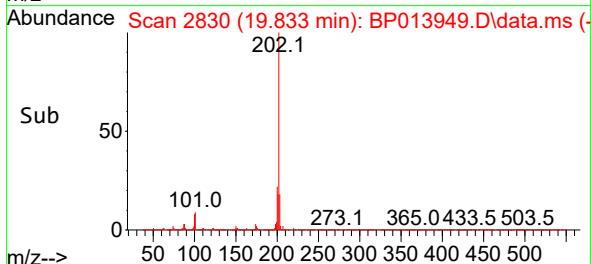
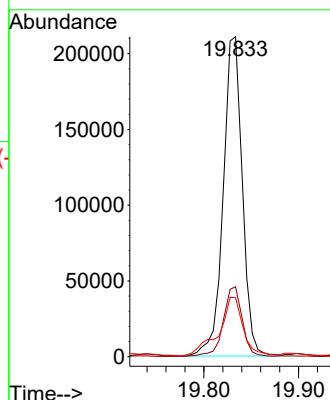
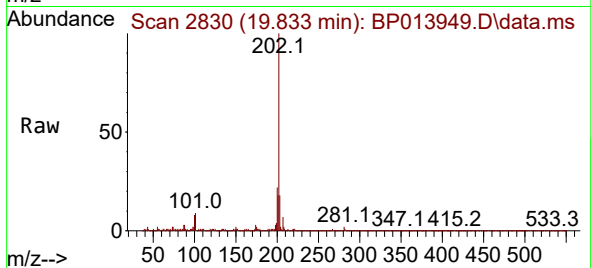
Tgt Ion:	202	Resp:	296270
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.9	25.3
203	18.4	14.2	21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2023



#79

Terphenyl-d14

Concen: 75.172 ng

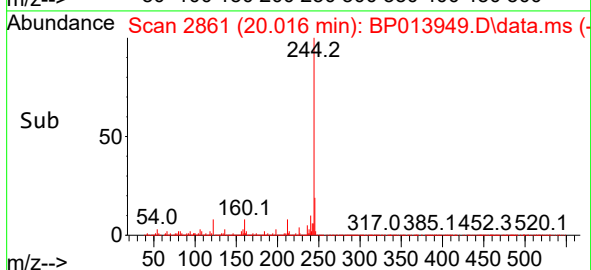
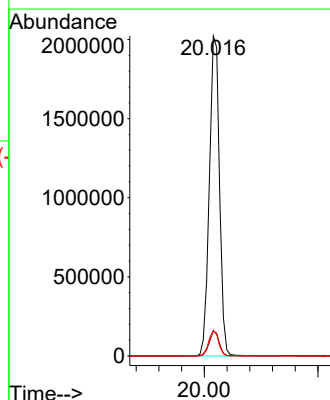
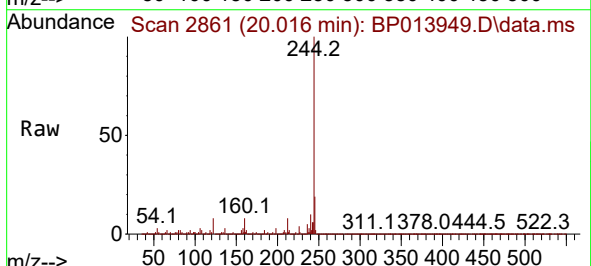
RT: 20.016 min Scan# 2861

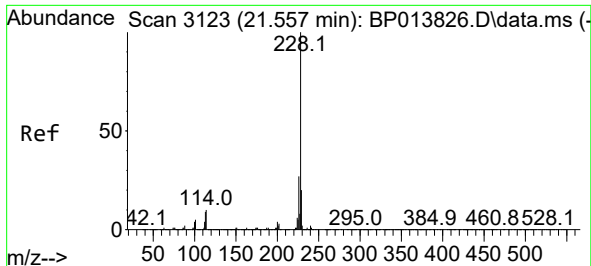
Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

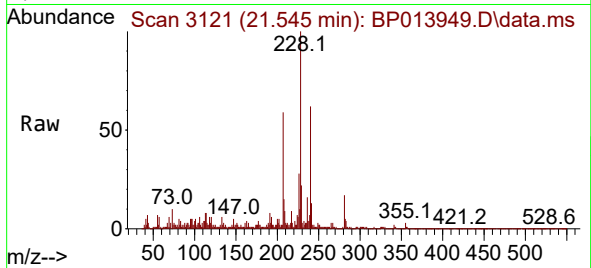
Tgt Ion:	244	Resp:	2491276
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.8	8.6
122	8.0	6.7	10.1





#81
Benzo(a)anthracene
Concen: 3.774 ng
RT: 21.545 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

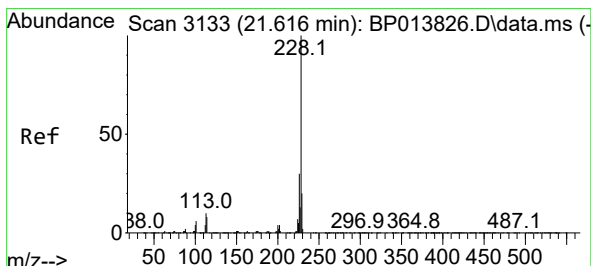
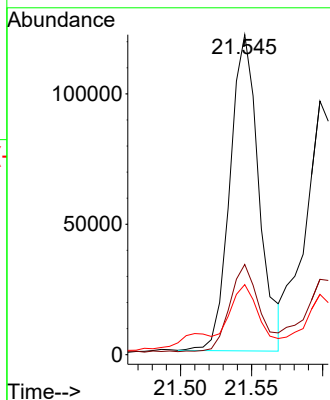
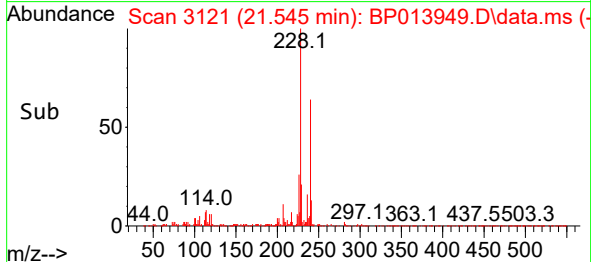
Instrument :
BNA_P
ClientSampleId :
CE-33-030123



Tgt Ion:228 Resp: 172320
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 21.9 15.8 23.6

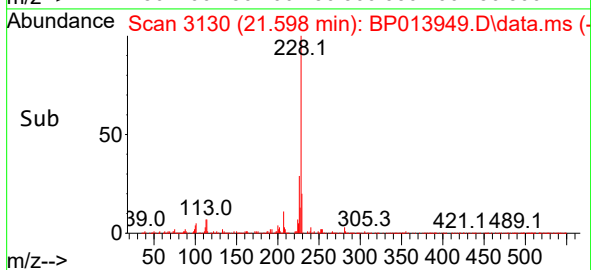
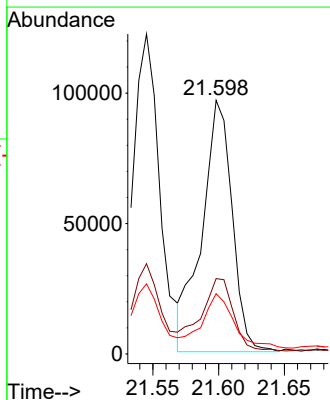
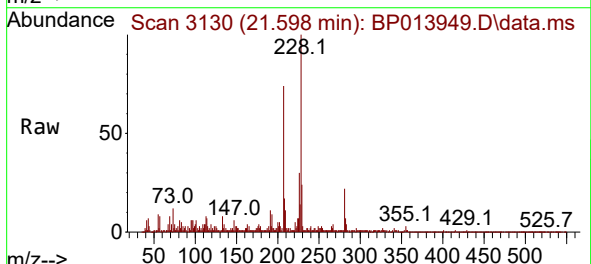
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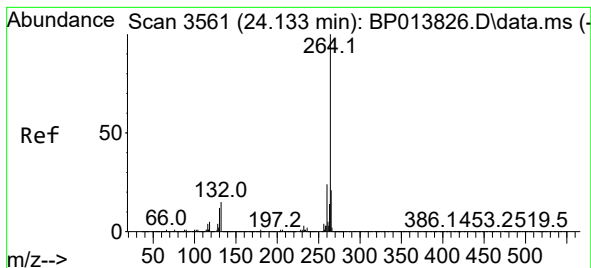
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#83
Chrysene
Concen: 3.494 ng m
RT: 21.598 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:228 Resp: 154544
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 23.8 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

Tgt Ion:264 Resp: 743900

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.0

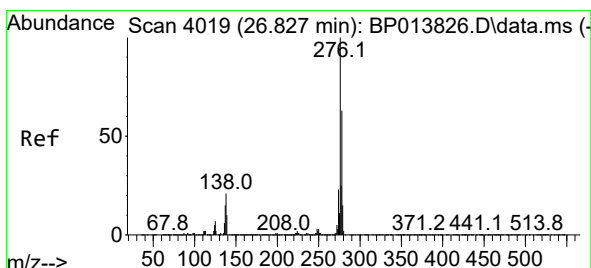
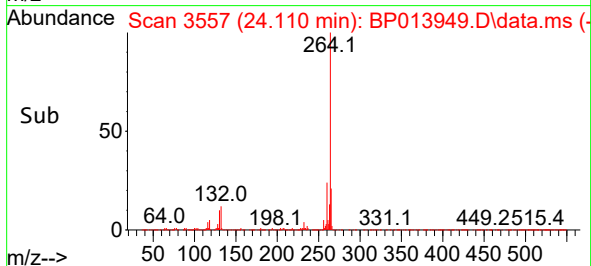
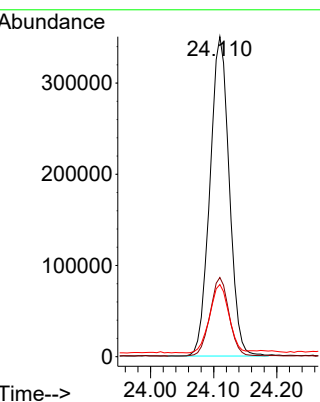
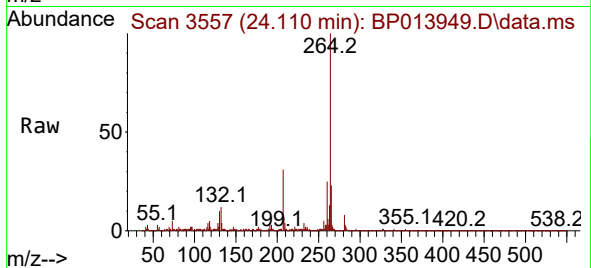
265 22.5 17.6 26.4

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Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.194 ng

RT: 26.786 min Scan# 4012

Delta R.T. -0.018 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

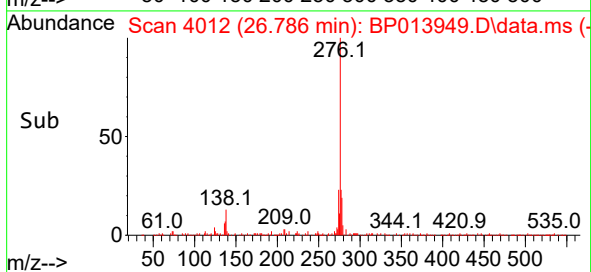
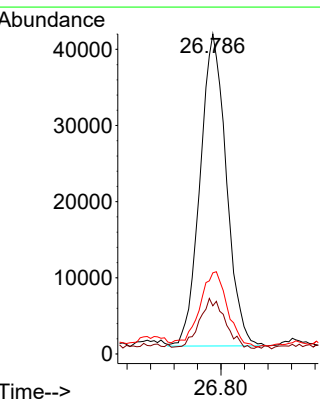
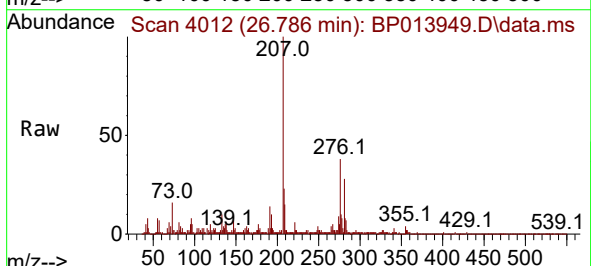
Tgt Ion:276 Resp: 126958

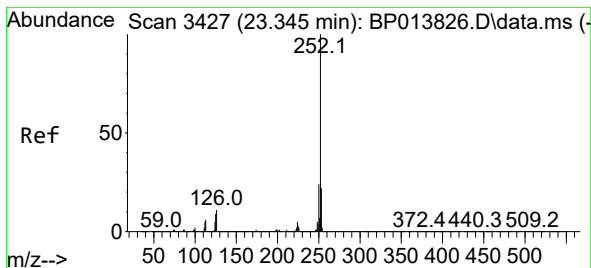
Ion Ratio Lower Upper

276 100

138 15.8 17.8 26.8#

277 25.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 4.888 ng

RT: 23.327 min Scan# 3427

Delta R.T. 0.000 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

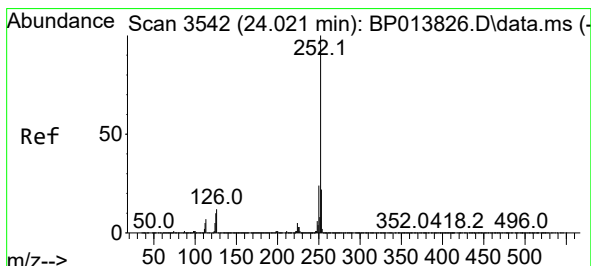
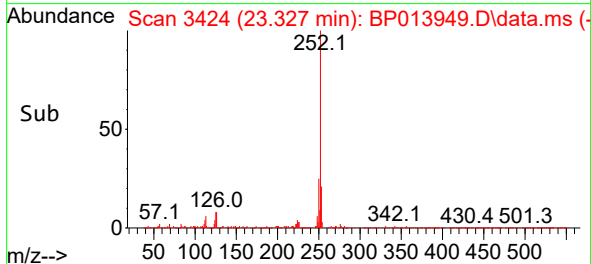
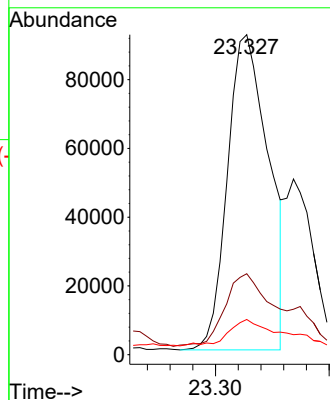
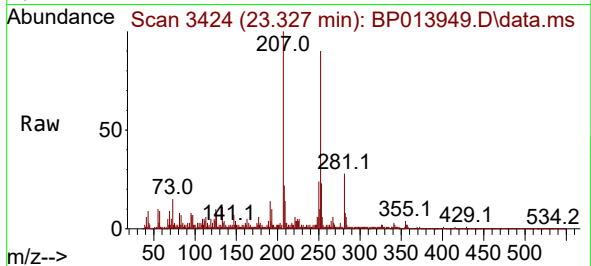
Tgt Ion:	252	Resp:	229978
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	11.0	7.1	10.7

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Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#90

Benzo(a)pyrene

Concen: 4.118 ng

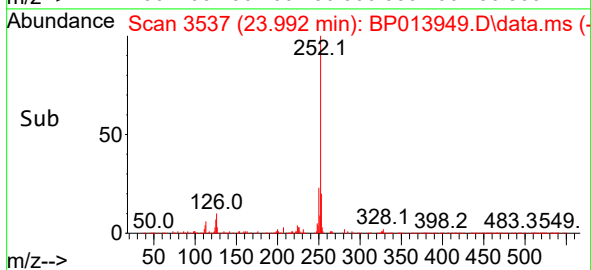
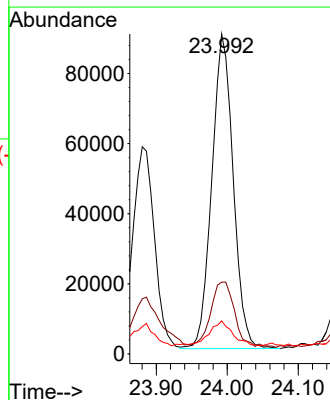
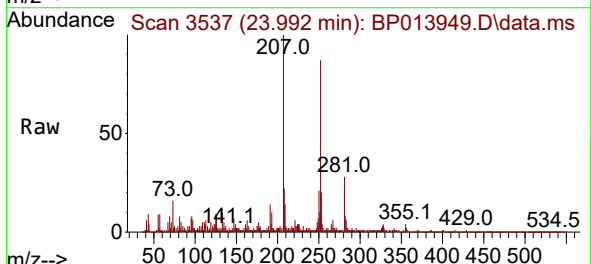
RT: 23.992 min Scan# 3537

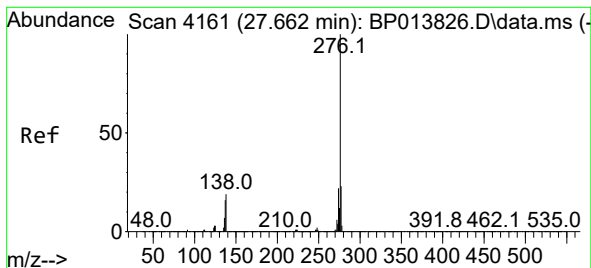
Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

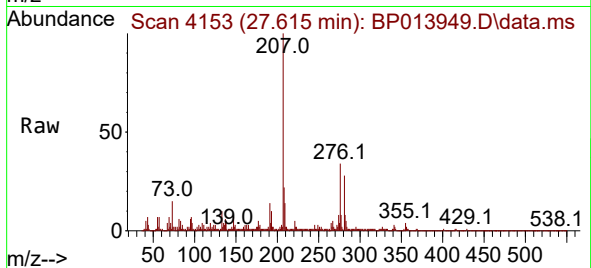
Tgt Ion:	252	Resp:	187321
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	10.3	7.7	11.5





#92
Benzo(g,h,i)perylene
Concen: 2.804 ng
RT: 27.615 min Scan# 4153
Delta R.T. -0.012 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Instrument :
BNA_P
ClientSampleId :
CE-33-030123



Tgt Ion:276 Resp: 13444
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 15.2 15.5 23.3

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Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

