

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013948.D
 Acq On : 03 Mar 2023 18:06
 Operator : CG/JU
 Sample : 01767-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CE-54-030123

Quant Time: Mar 04 00:57:39 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	109150	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	382945	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	260376	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	603118	20.000	ng	0.00
76) Chrysene-d12	21.563	240	598191	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	703752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	569805	86.038	ng	0.00
7) Phenol-d6	7.240	99	725015	85.478	ng	-0.01
23) Nitrobenzene-d5	9.263	82	459175	64.749	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	379540	100.137	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1071593	54.057	ng	0.00
79) Terphenyl-d14	20.022	244	1996668	64.220	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.528	178	93048	2.754	ng	98
75) Fluoranthene	19.480	202	400882	9.518	ng	97
78) Pyrene	19.833	202	523997	12.818	ng	99
81) Benzo(a)anthracene	21.545	228	280260	6.543	ng	98
83) Chrysene	21.604	228	264219	6.367	ng	97
87) Indeno(1,2,3-cd)pyrene	26.786	276	236842	4.326	ng	# 92
88) Benzo(b)fluoranthene	23.327	252	405628	9.113	ng	98
89) Benzo(k)fluoranthene	23.374	252	122645m	2.715	ng	
90) Benzo(a)pyrene	23.998	252	346446	8.051	ng	95
92) Benzo(g,h,i)perylene	27.615	276	264273	5.827	ng	# 95

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

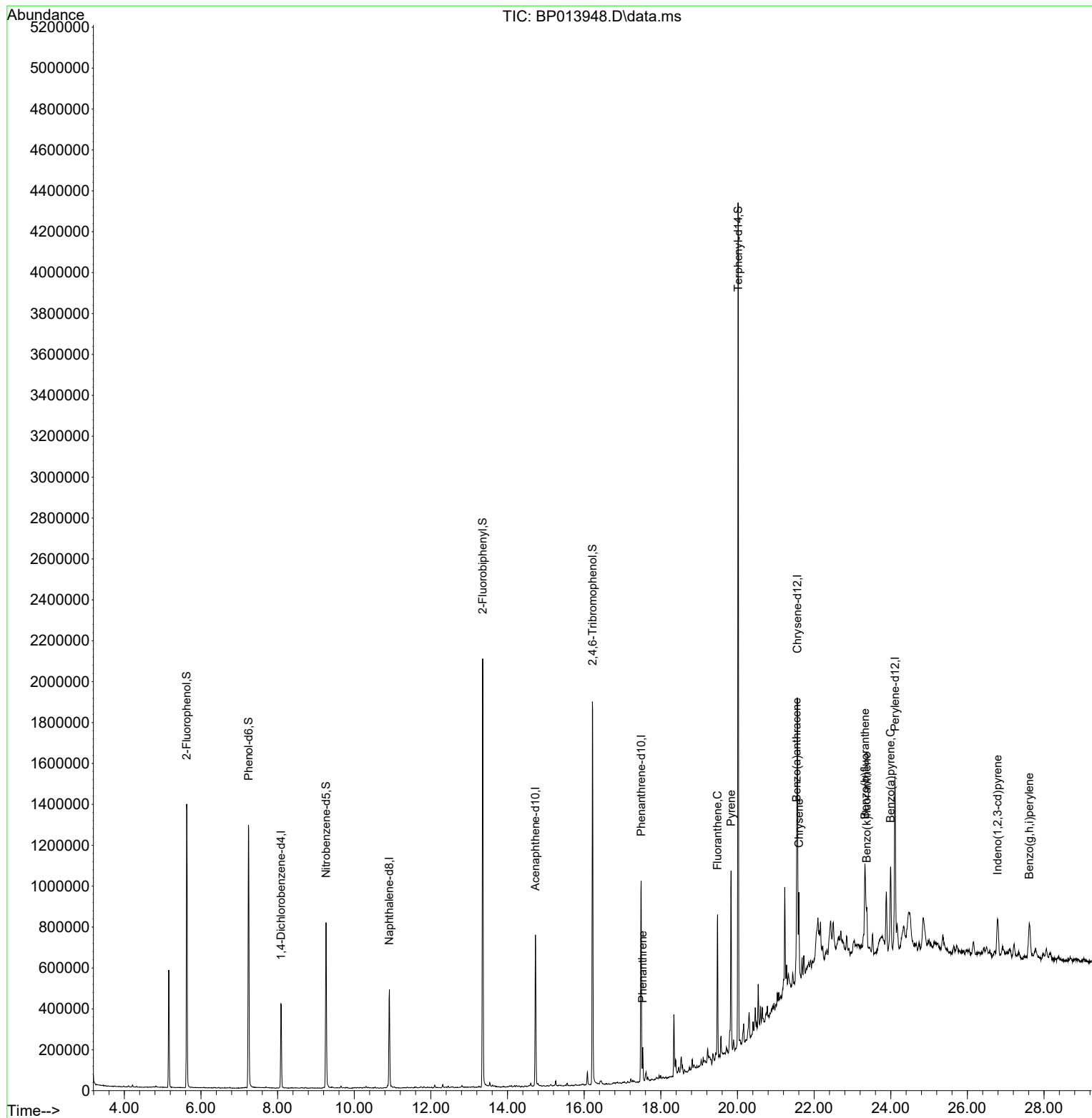
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
Data File : BP013948.D
Acq On : 03 Mar 2023 18:06
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Sample : 01767-07
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ALS Vial : 10 Sample Multiplier: 1

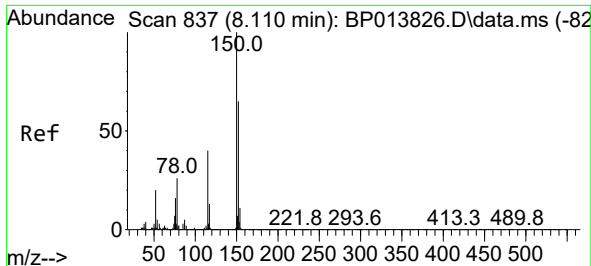
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

Quant Time: Mar 04 00:57:39 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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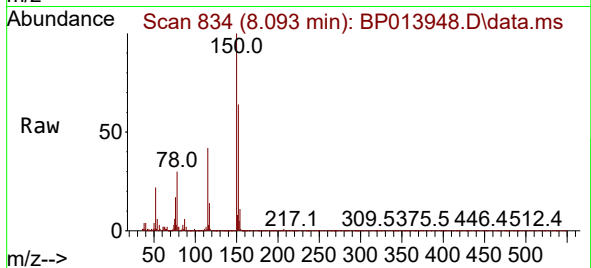
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

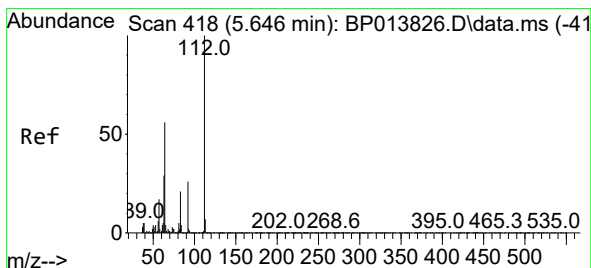
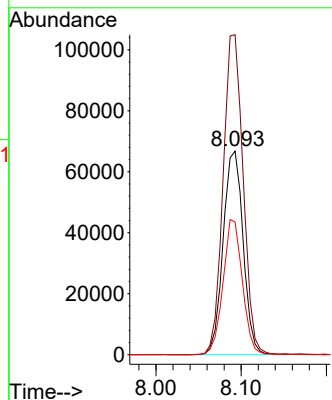
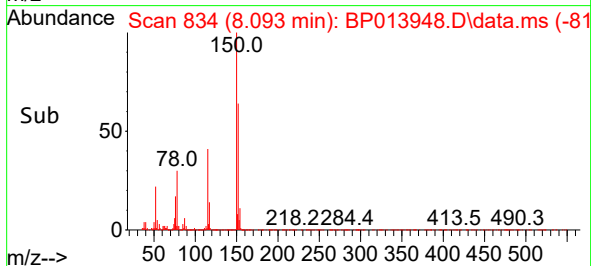
Instrument :
BNA_P
ClientSampleId :
CE-54-030123



Tgt Ion:152 Resp: 109150
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 65.3 49.0 73.6

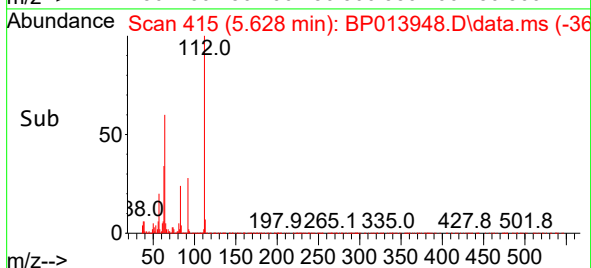
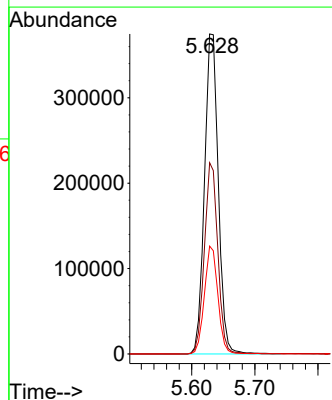
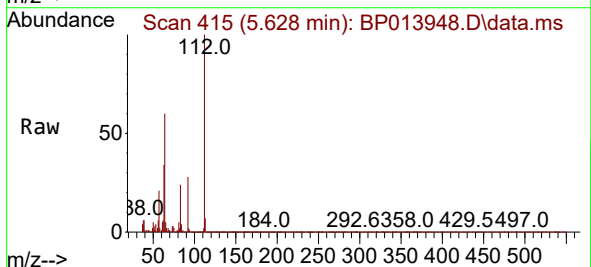
Manual Integrations
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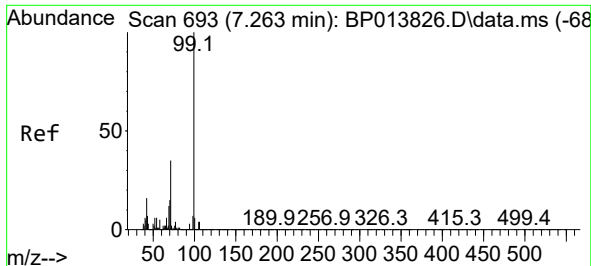
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 86.038 ng
RT: 5.628 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:112 Resp: 569805
Ion Ratio Lower Upper
112 100
64 59.8 44.6 66.8
63 33.7 23.6 35.4





#7
Phenol-d6
Concen: 85.478 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

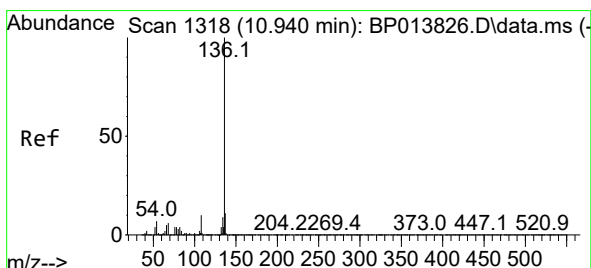
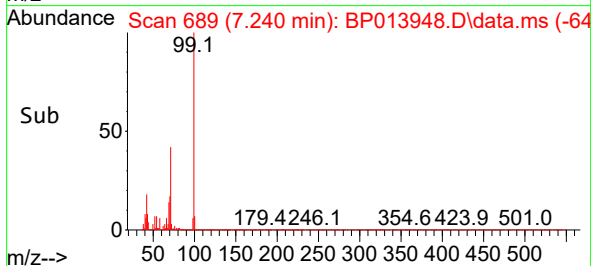
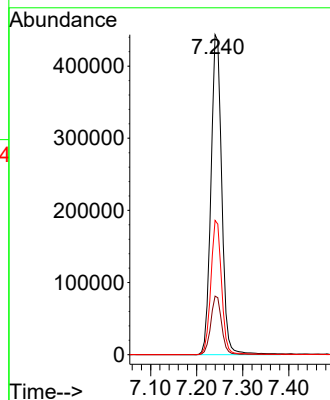
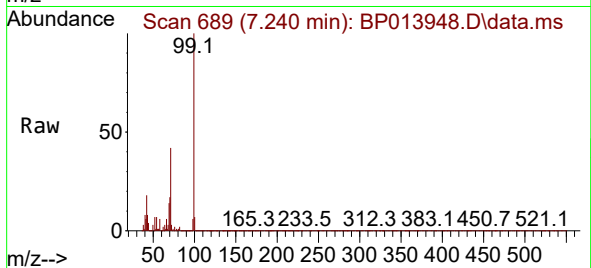
CE-54-030123

Tgt Ion: 99 Resp: 725015
Ion Ratio Lower Upper
99 100
42 18.3 12.5 18.7
71 42.0 27.8 41.8

Manual Integrations

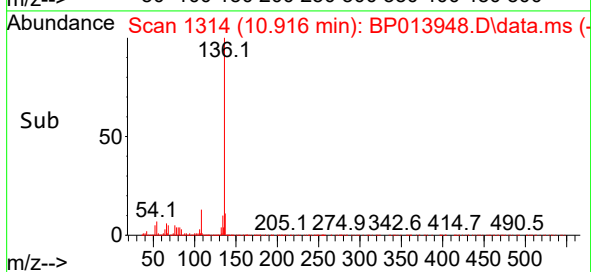
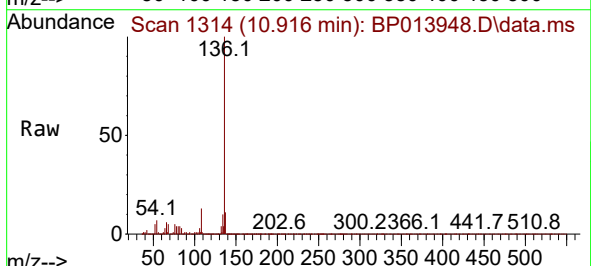
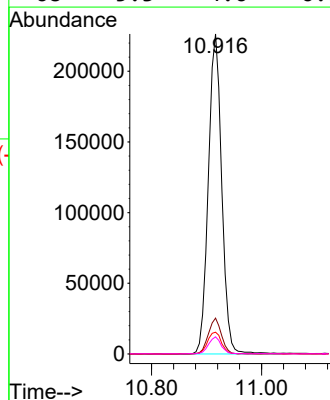
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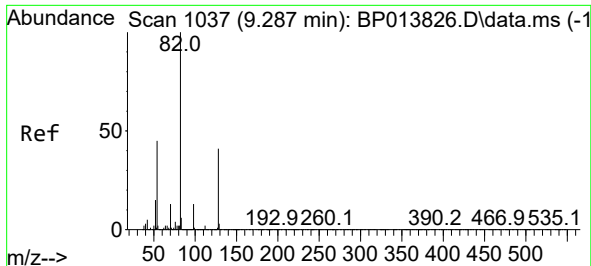
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:136 Resp: 382945
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.8 5.8 8.6
68 5.3 4.6 6.8





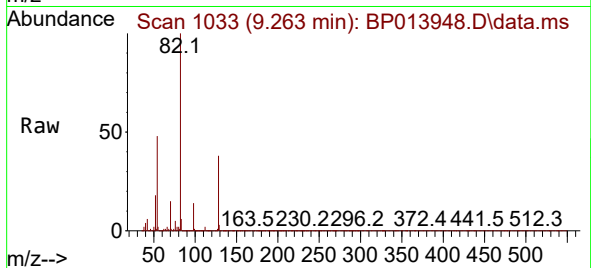
#23
Nitrobenzene-d5
Concen: 64.749 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

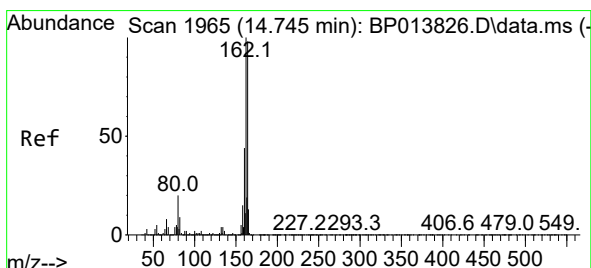
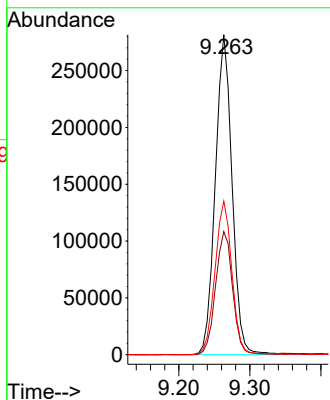
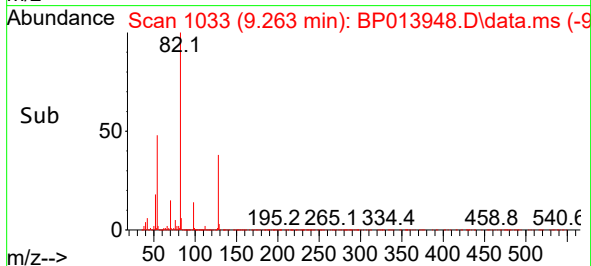
CE-54-030123



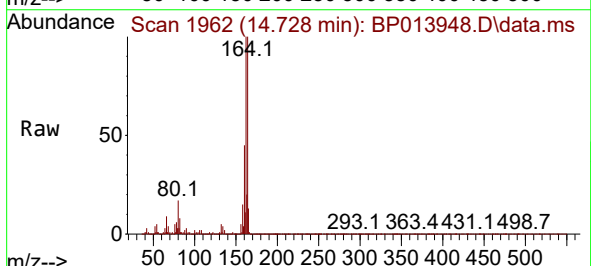
Tgt Ion: 82 Resp: 45917
Ion Ratio Lower Upper
82 100
128 38.4 32.9 49.3
54 48.0 35.6 53.4

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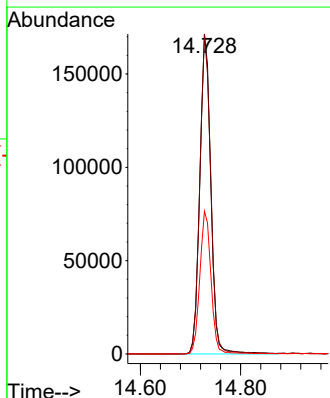
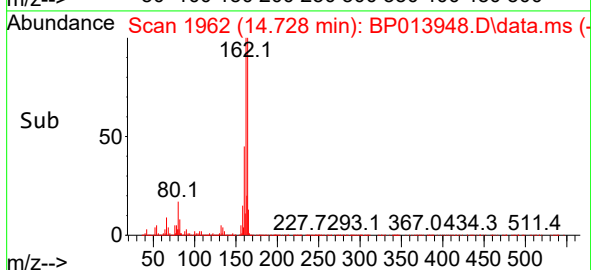
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

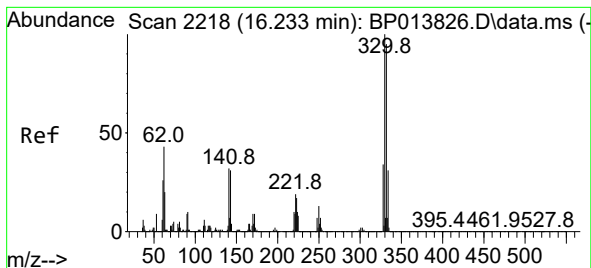


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06



Tgt Ion:164 Resp: 260376
Ion Ratio Lower Upper
164 100
162 100.1 81.7 122.5
160 44.7 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 100.137 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

Tgt Ion:330 Resp: 379540

Ion Ratio Lower Upper

330 100

332 96.2 76.7 115.1

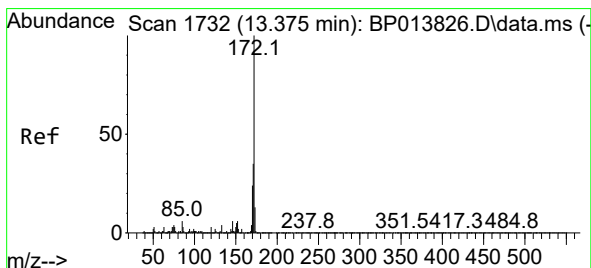
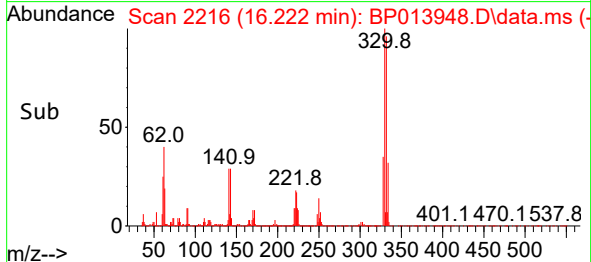
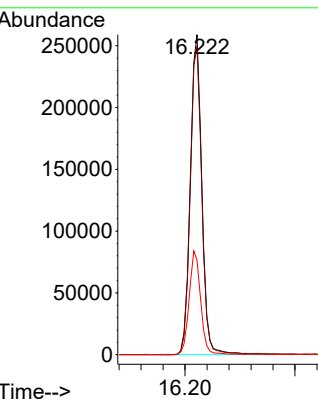
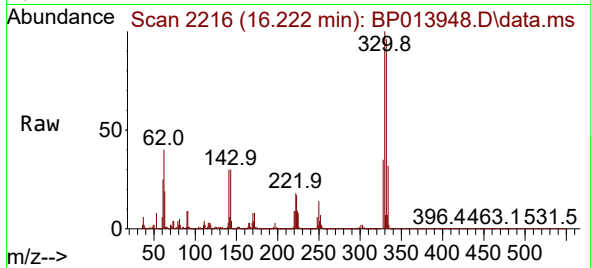
141 32.0 25.1 37.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#45

2-Fluorobiphenyl

Concen: 54.057 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

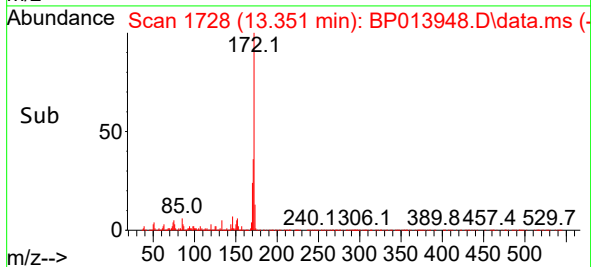
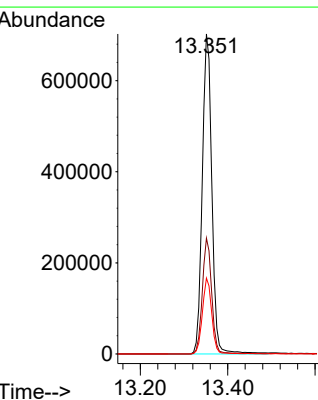
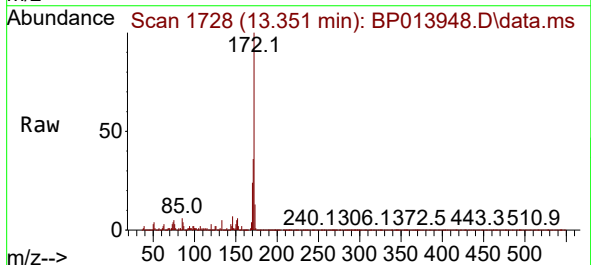
Tgt Ion:172 Resp: 1071593

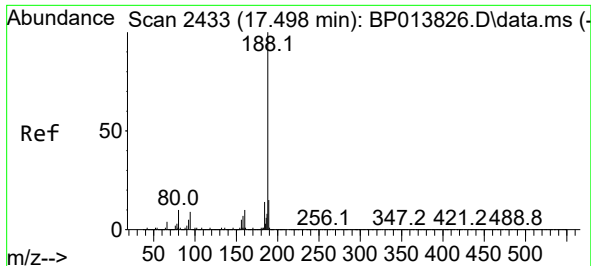
Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.4

170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

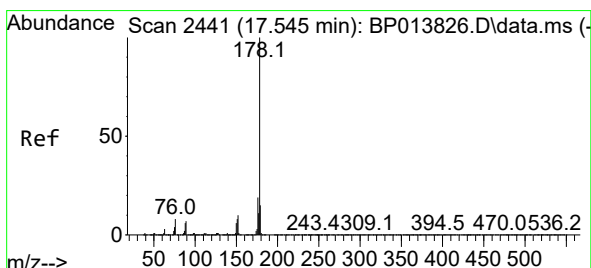
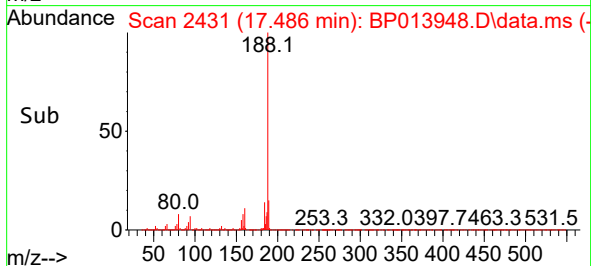
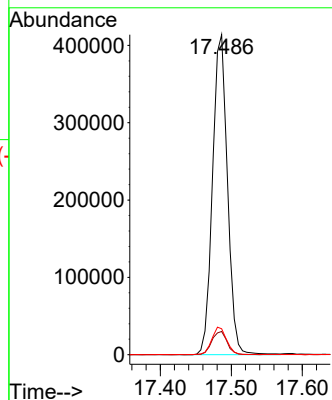
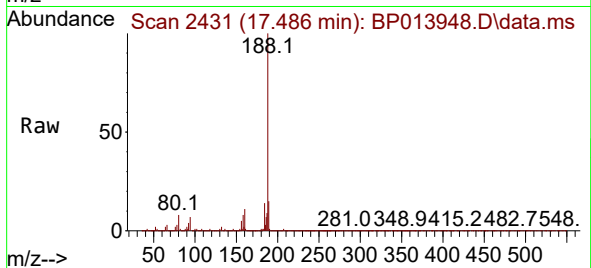
CE-54-030123

Tgt Ion:188 Resp: 603118
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 8.1 7.8 11.8

Manual Integrations

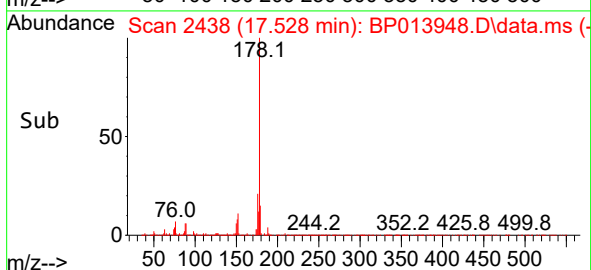
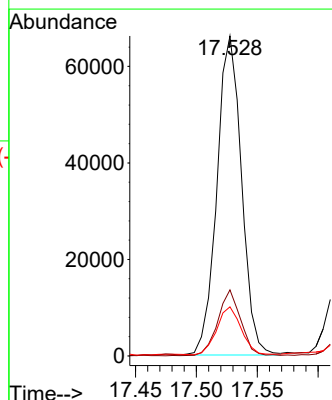
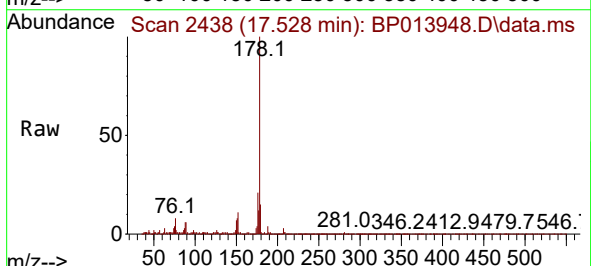
APPROVED

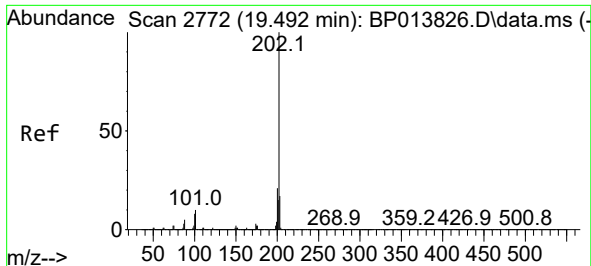
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 2.754 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

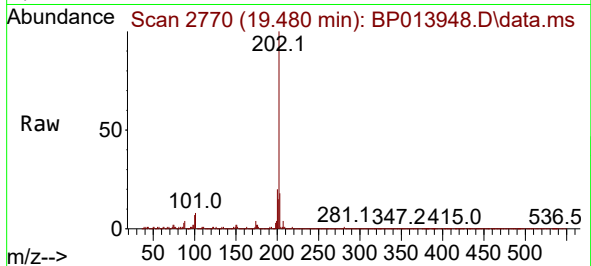
Tgt Ion:178 Resp: 93048
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 9.518 ng
RT: 19.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

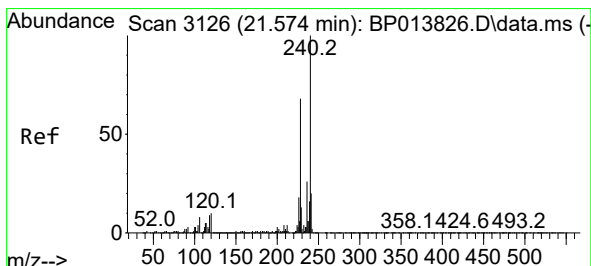
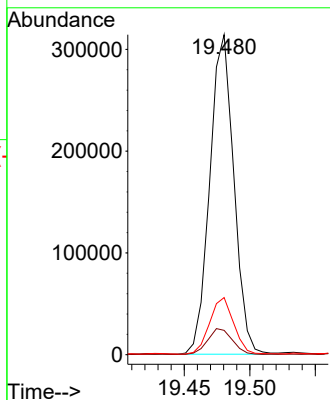
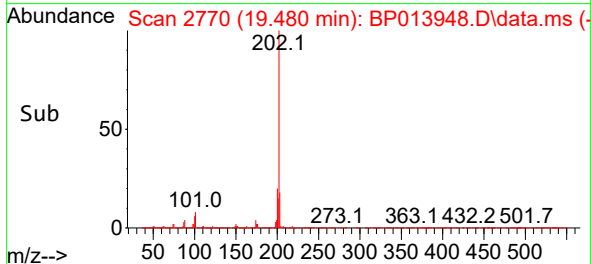
Instrument :
BNA_P
ClientSampleId :
CE-54-030123



Tgt Ion:202 Resp: 40088
Ion Ratio Lower Upper
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101 7.6 0.0 30.0
203 17.8 0.0 37.5

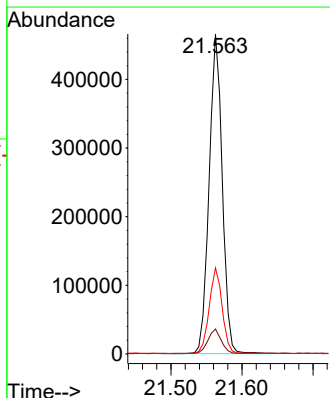
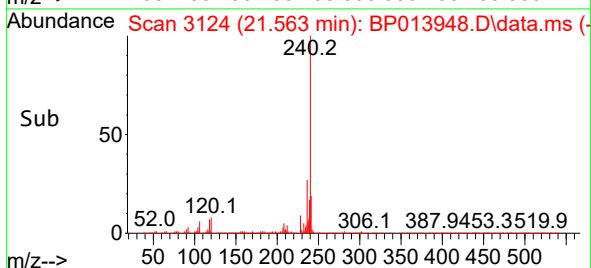
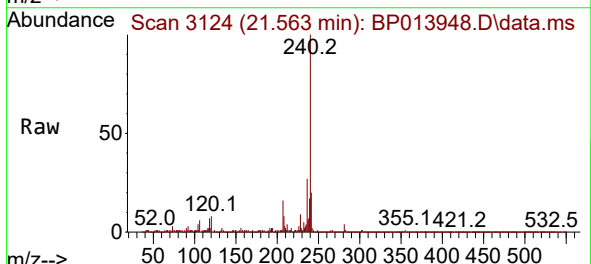
Manual Integrations
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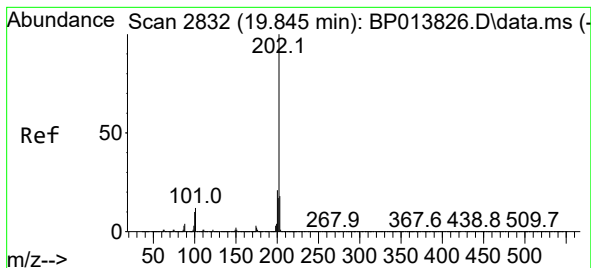
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:240 Resp: 598191
Ion Ratio Lower Upper
240 100
120 7.8 7.9 11.9#
236 26.9 20.9 31.3





#78

Pyrene

Concen: 12.818 ng

RT: 19.833 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

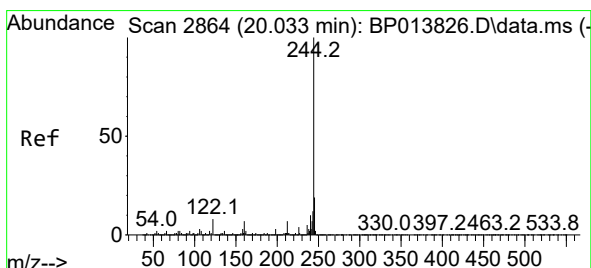
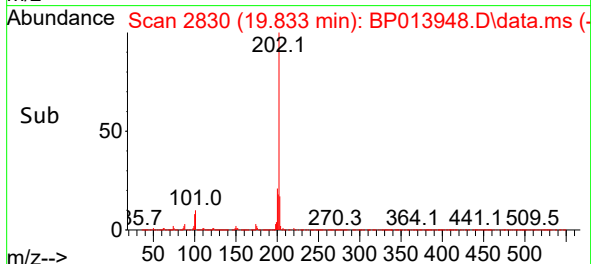
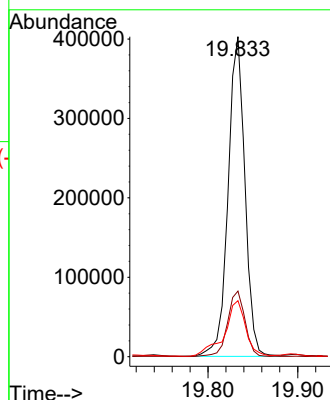
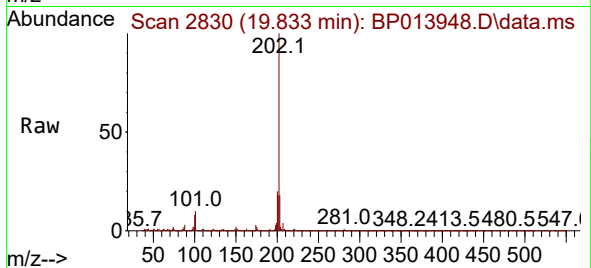
Tgt Ion:202	Resp: 52399
Ion Ratio	Lower Upper
202 100	
200 20.5	16.9 25.3
203 17.5	14.2 21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2023



#79

Terphenyl-d14

Concen: 64.220 ng

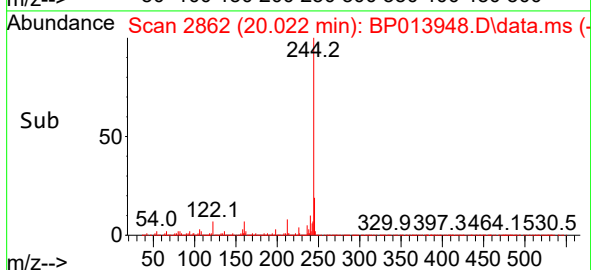
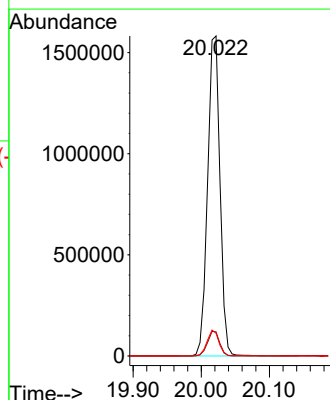
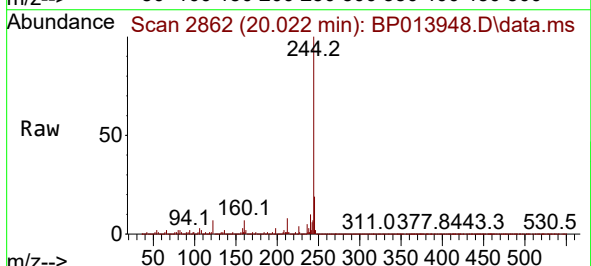
RT: 20.022 min Scan# 2862

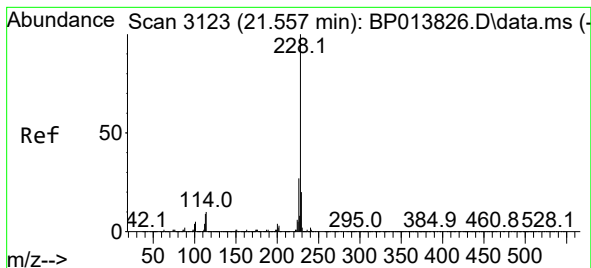
Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Tgt Ion:244	Resp: 1996668
Ion Ratio	Lower Upper
244 100	
212 7.6	5.8 8.6
122 7.1	6.7 10.1





#81

Benzo(a)anthracene

Concen: 6.543 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

Tgt Ion:228 Resp: 280260

Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

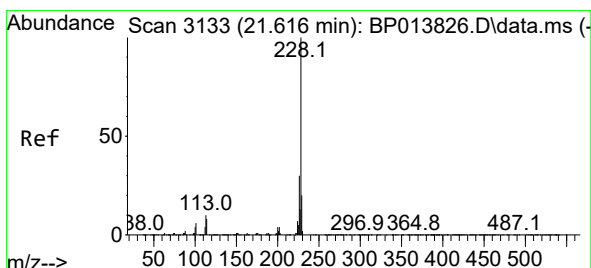
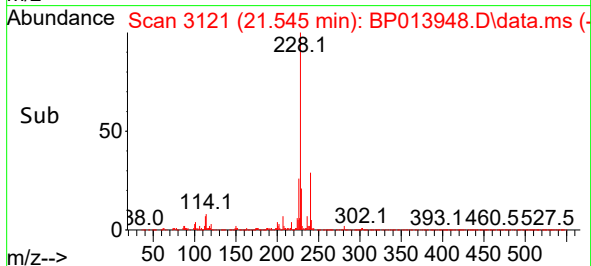
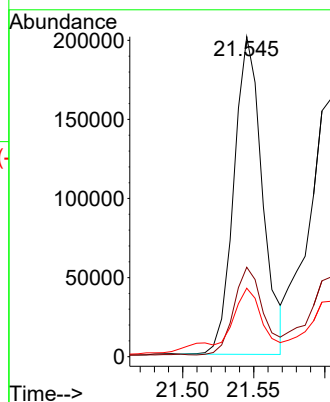
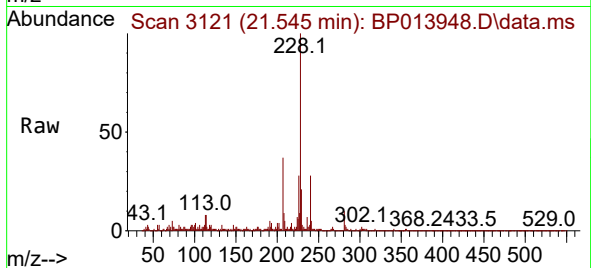
229 21.4 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#83

Chrysene

Concen: 6.367 ng

RT: 21.604 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

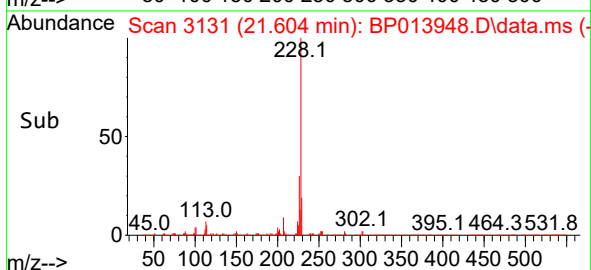
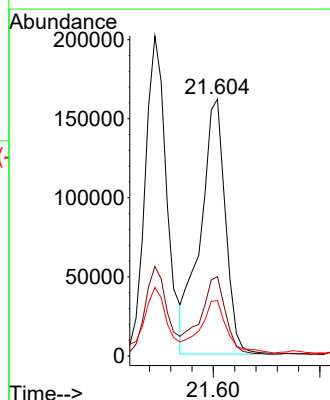
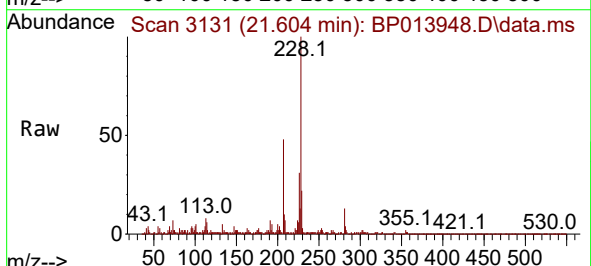
Tgt Ion:228 Resp: 264219

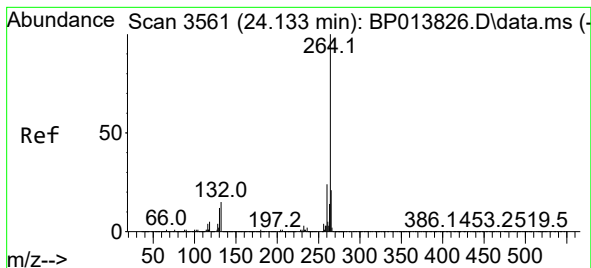
Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.8

229 21.5 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: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

Tgt Ion:264 Resp: 70375

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

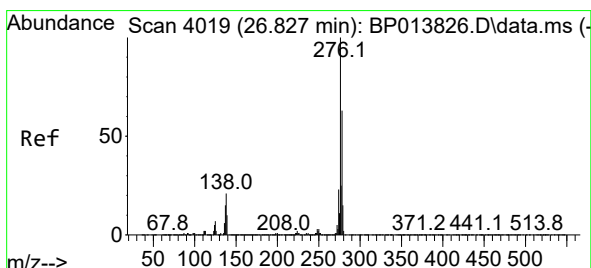
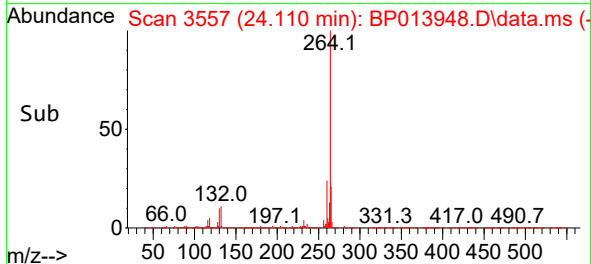
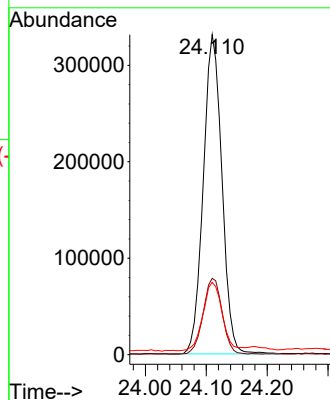
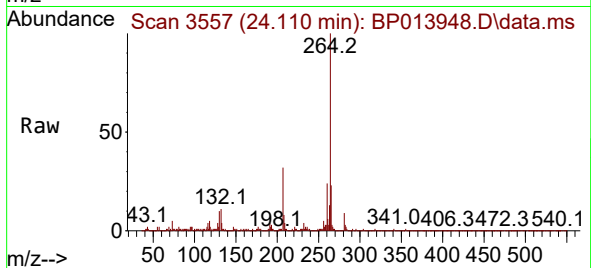
265 22.6 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.326 ng

RT: 26.786 min Scan# 4012

Delta R.T. -0.018 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

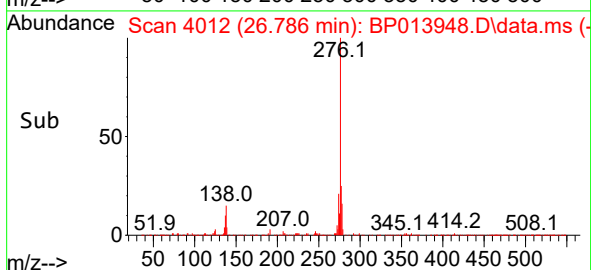
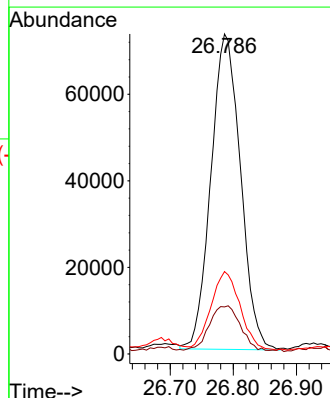
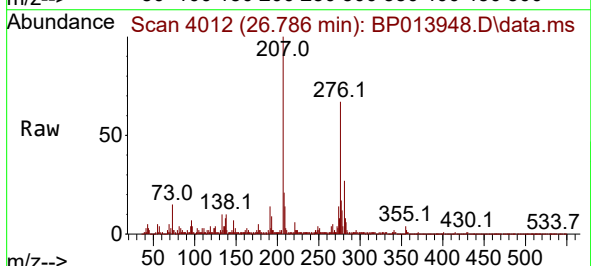
Tgt Ion:276 Resp: 236842

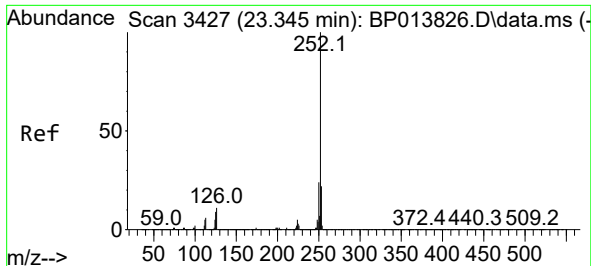
Ion Ratio Lower Upper

276 100

138 14.8 17.8 26.8#

277 24.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 9.113 ng
RT: 23.327 min Scan# 3427
Delta R.T. 0.000 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

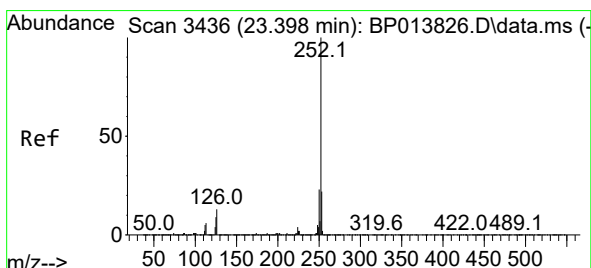
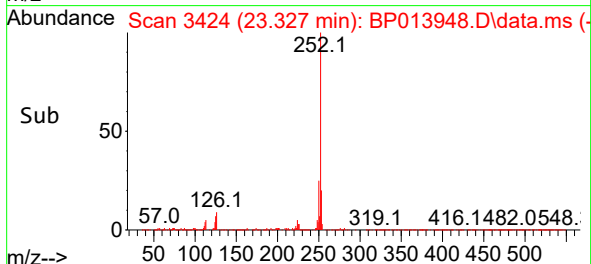
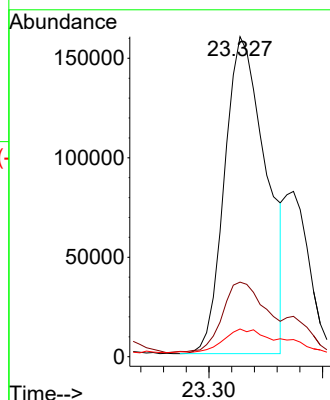
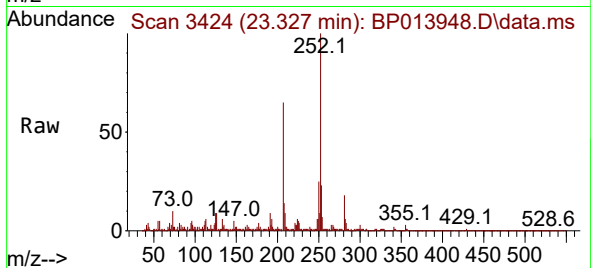
CE-54-030123

Tgt Ion:252 Resp: 405628
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 8.7 7.1 10.7

Manual Integrations

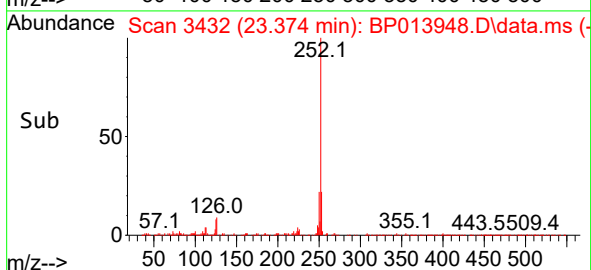
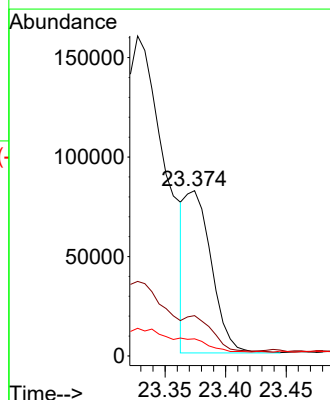
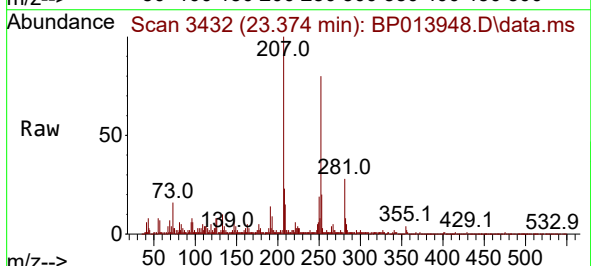
APPROVED

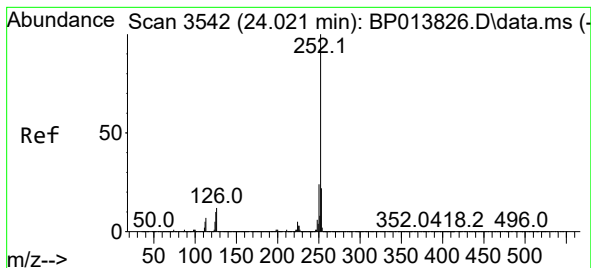
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#89
Benzo(k)fluoranthene
Concen: 2.715 ng m
RT: 23.374 min Scan# 3432
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:252 Resp: 122645
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 10.3 7.0 10.4





#90

Benzo(a)pyrene

Concen: 8.051 ng

RT: 23.998 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

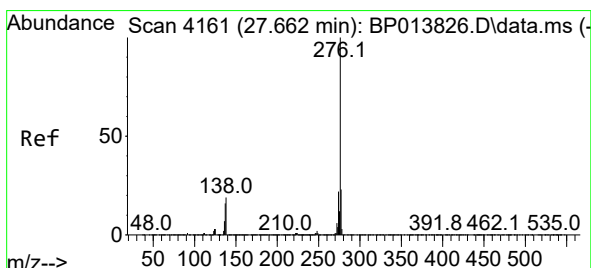
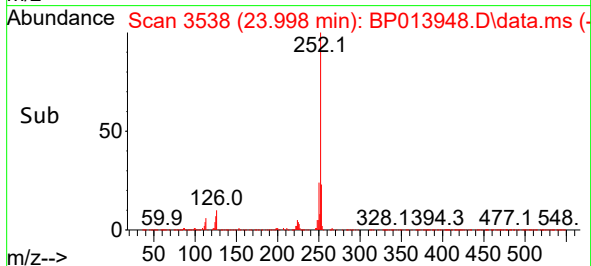
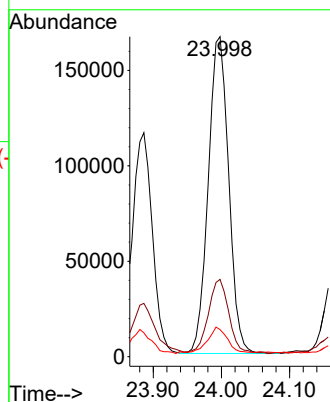
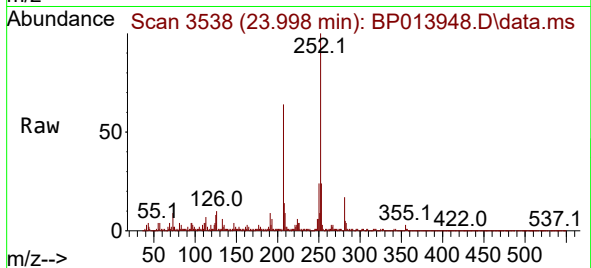
CE-54-030123

Tgt Ion:252 Resp: 346440
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.4 26.0
 125 8.4 7.7 11.5

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.827 ng

RT: 27.615 min Scan# 4153

Delta R.T. -0.012 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Tgt Ion:276 Resp: 264273
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.7 28.1
 138 15.3 15.5 23.3#

