

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042623\
 Data File : BP014856.D
 Acq On : 26 Apr 2023 23:53
 Operator : CG/JU
 Sample : 02447-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW909

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2023
 Supervised By : Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 00:45:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 26 02:53:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.198	152	422562	20.000	ng/ul	0.00
20) Naphthalene-d8	11.034	136	1667958	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.828	164	886668	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.580	188	1457276	20.000	ng/ul	0.00
79) Chrysene-d12	21.651	240	967115	20.000	ng/ul	0.00
88) Perylene-d12	24.251	264	1196885	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0d	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/ul	
11) 2-Chlorophenol-d4	0.000	132	0d	0.000	ng/ul	
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/ul	
24) 2-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0d	0.000	ng/ul	
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	0.000	166	0d	0.000	ng/ul	
49) Acenaphthylene-d8	0.000	160	0d	0.000	ng/ul	
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	0.000	176	0d	0.000	ng/ul	
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	0.000	188	0d	0.000	ng/ul	
81) Pyrene-d10	0.000	212	0d	0.000	ng/ul	
92) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/ul	
Target Compounds						Qvalue
30) Naphthalene	11.092	128	11289427	122.366	ng/ul	99
36) 2-Methylnaphthalene	12.675	142	2246182	35.858	ng/ul	99
37) 1-Methylnaphthalene	12.892	142	1403357	22.472	ng/ul	100
43) 1,1'-Biphenyl	13.669	154	868073	12.455	ng/ul	99
52) Acenaphthene	14.892	153	386858	6.607	ng/ul	98
56) Dibenzofuran	15.228	168	3562621	43.203	ng/ul	100
61) Fluorene	15.875	166	3367900	51.775	ng/ul	98
72) Phenanthrene	17.639	178	15175564	190.160	ng/ul	97
74) Anthracene	17.716	178	1895084	23.553	ng/ul	100
80) Fluoranthene	19.574	202	11666005	168.355	ng/ul	97
82) Pyrene	19.921	202	3275582	45.705	ng/ul	98
85) Benzo(a)anthracene	21.633	228	2760660	41.033	ng/ul	99
87) Chrysene	21.692	228	2878031	45.124	ng/ul	100
90) Benzo(b)fluoranthene	23.445	252	1370161	16.716	ng/ul	98
91) Benzo(k)fluoranthene	23.498	252	479133m	6.027	ng/ul	
93) Benzo(a)pyrene	24.127	252	73306	1.056	ng/ul#	81
94) Indeno(1,2,3-cd)pyrene	27.003	276	119217	1.523	ng/ul	94
95) Dibenzo(a,h)anthracene	27.015	278	82031	1.256	ng/ul#	79

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

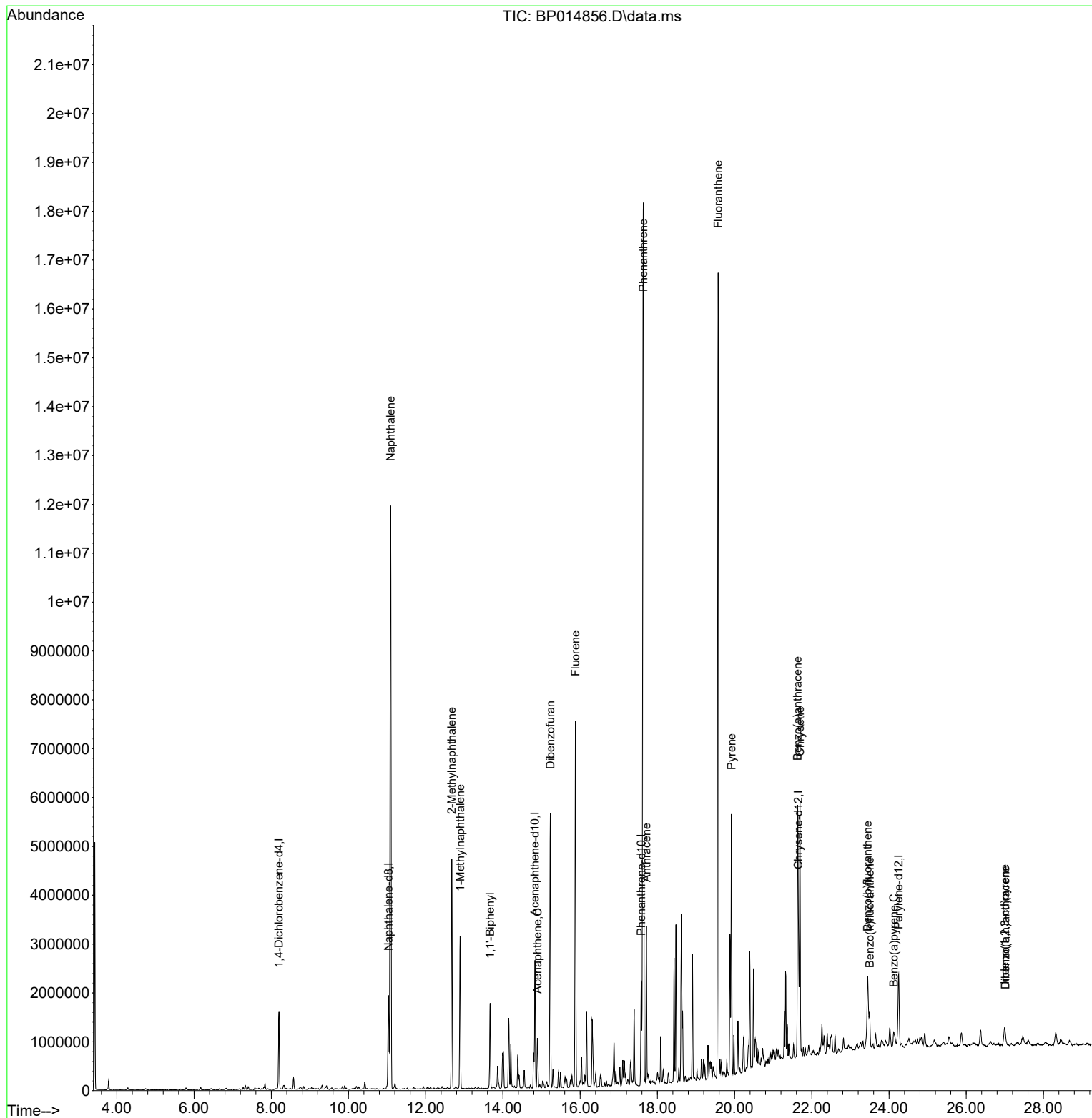
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042623\
Data File : BP014856.D
Acq On : 26 Apr 2023 23:53
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Sample : 02447-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

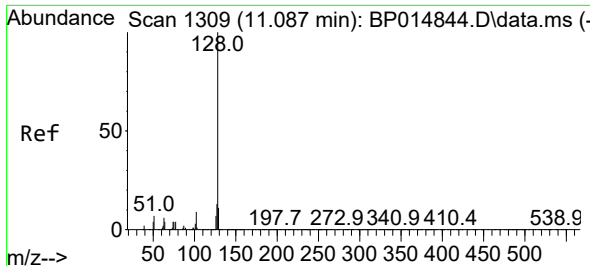
Instrument :
BNA_P
ClientSampleId :
EW909

Quant Time: Apr 27 00:45:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP042523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 26 02:53:24 2023
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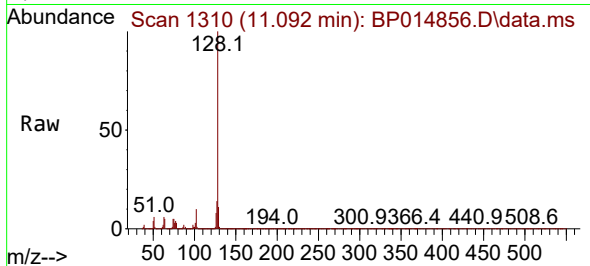
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023





#30
Naphthalene
Concen: 122.366 ng/ul
RT: 11.092 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

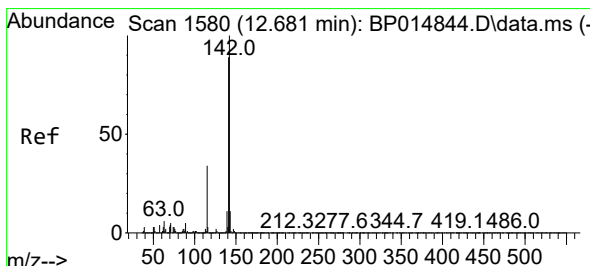
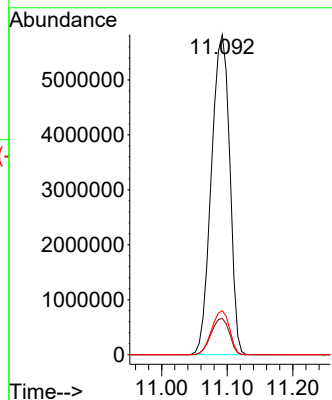
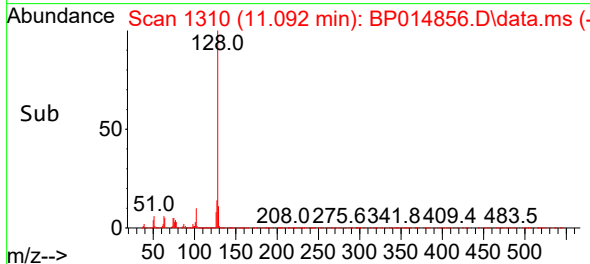
Instrument :
BNA_P
ClientSampleId :
EW909



Tgt Ion:128 Resp:1128942
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.8 10.6 16.0

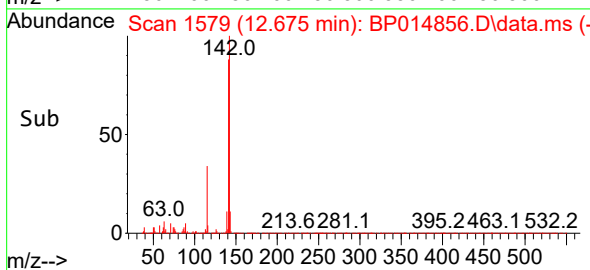
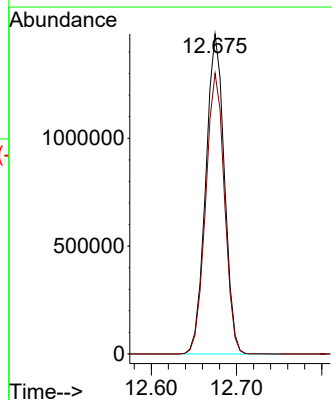
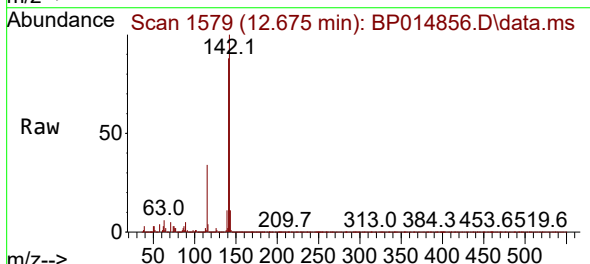
Manual Integrations
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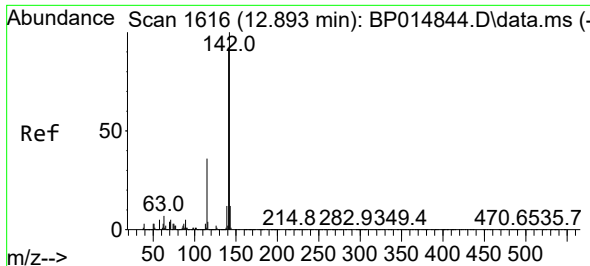
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#36
2-Methylnaphthalene
Concen: 35.858 ng/ul
RT: 12.675 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

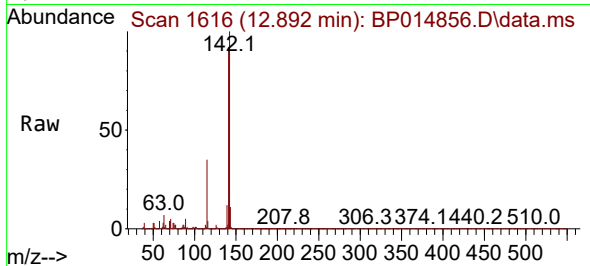
Tgt Ion:142 Resp: 2246182
Ion Ratio Lower Upper
142 100
141 87.7 70.6 106.0





#37
1-Methylnaphthalene
Concen: 22.472 ng/ul
RT: 12.892 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

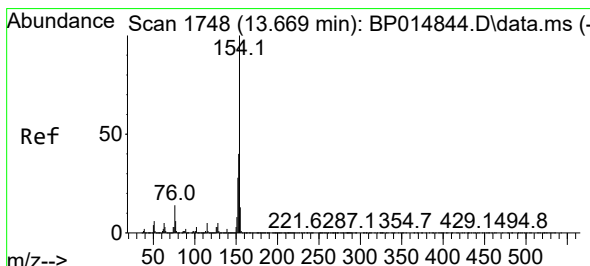
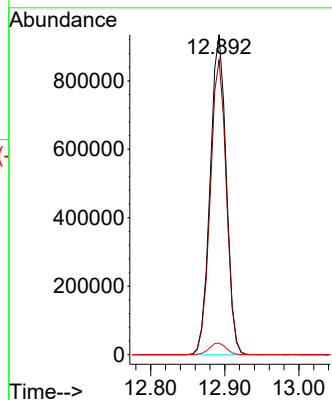
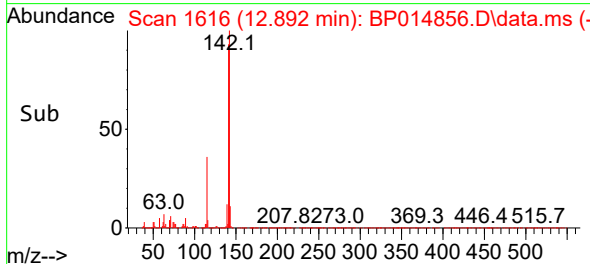
Instrument :
BNA_P
ClientSampleId :
EW909



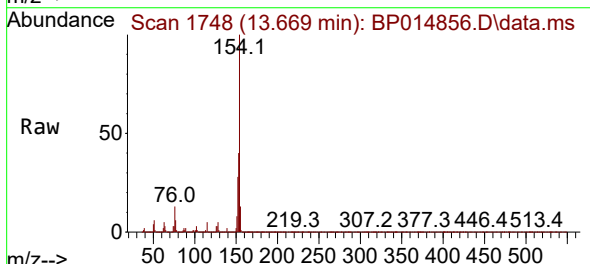
Tgt Ion:142 Resp: 140335
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5
116 3.6 3.0 4.4

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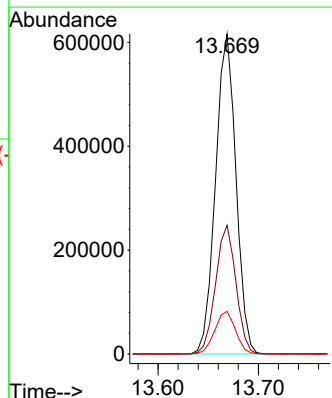
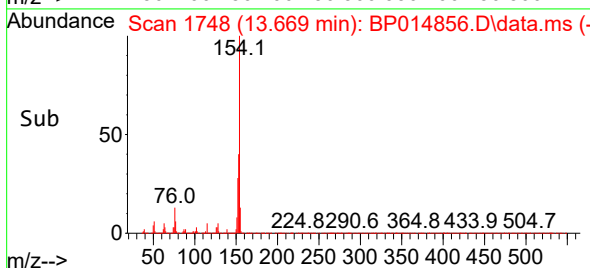
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

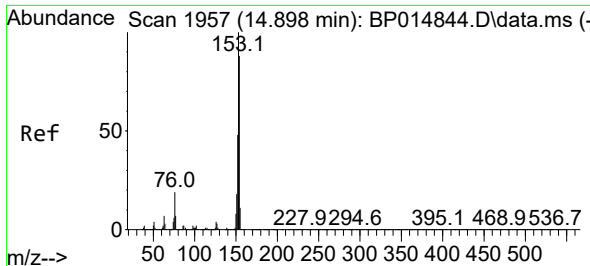


#43
1,1'-Biphenyl
Concen: 12.455 ng/ul
RT: 13.669 min Scan# 1748
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53



Tgt Ion:154 Resp: 868073
Ion Ratio Lower Upper
154 100
153 40.2 31.9 47.9
76 13.3 11.2 16.8





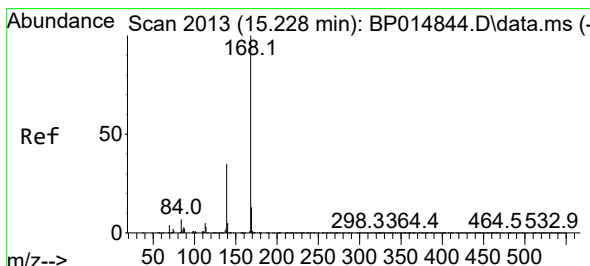
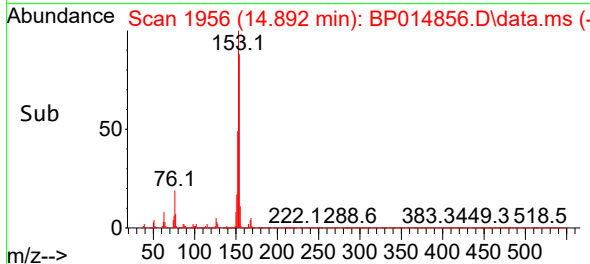
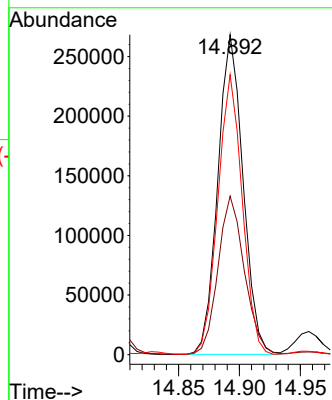
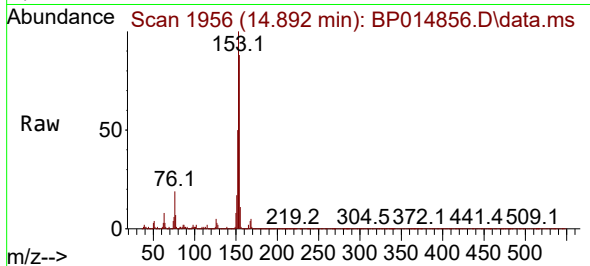
#52
Acenaphthene
Concen: 6.607 ng/ul
RT: 14.892 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

Instrument :
BNA_P
ClientSampleId :
EW909

Tgt Ion:153 Resp: 386858
Ion Ratio Lower Upper
153 100
152 49.5 38.2 57.4
154 87.5 71.0 106.4

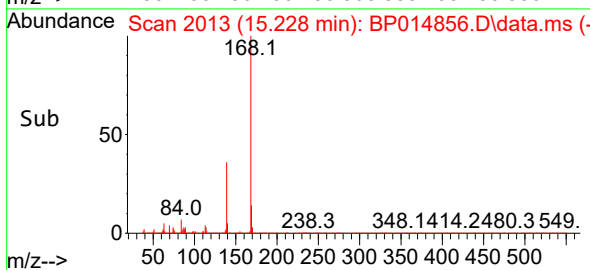
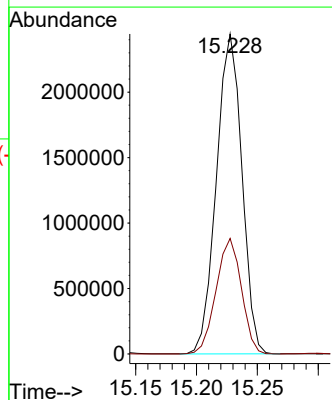
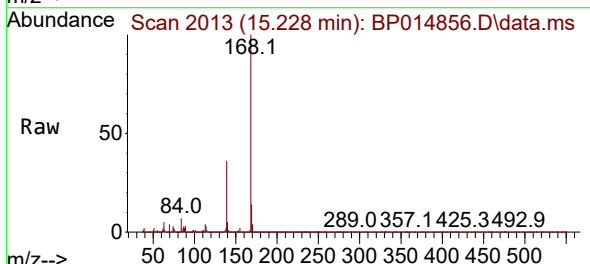
Manual Integrations
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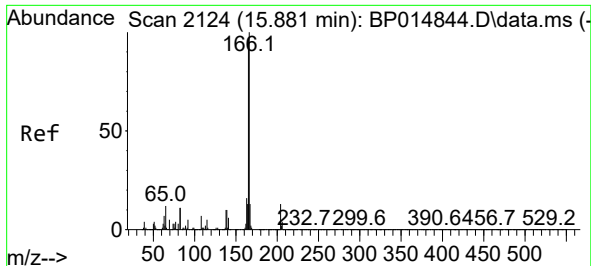
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#56
Dibenzofuran
Concen: 43.203 ng/ul
RT: 15.228 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

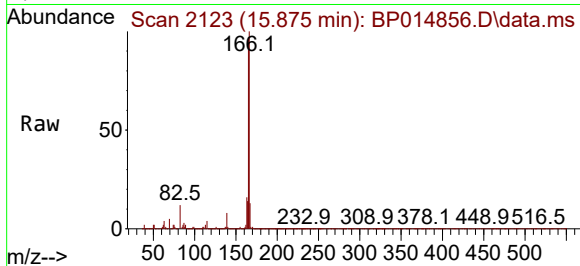
Tgt Ion:168 Resp: 3562621
Ion Ratio Lower Upper
168 100
139 36.1 28.7 43.1





#61
Fluorene
Concen: 51.775 ng/ul
RT: 15.875 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

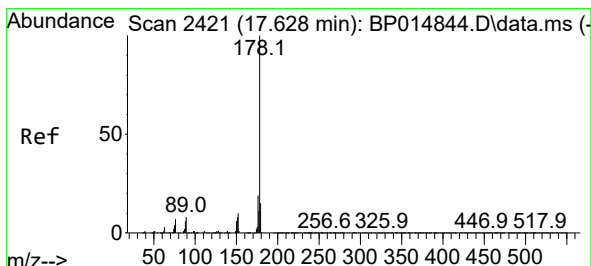
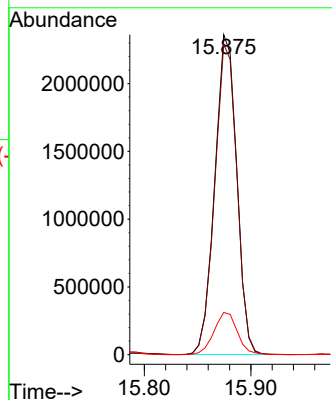
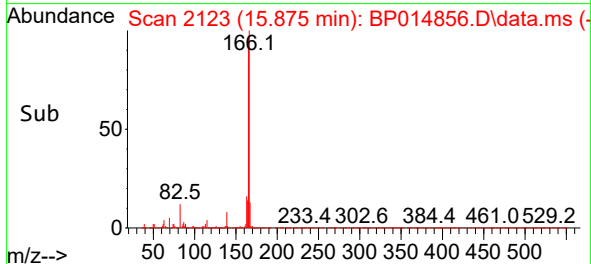
Instrument :
BNA_P
ClientSampleId :
EW909



Tgt Ion:166 Resp: 3367900
Ion Ratio Lower Upper
166 100
165 97.1 79.1 118.7
167 13.2 10.7 16.1

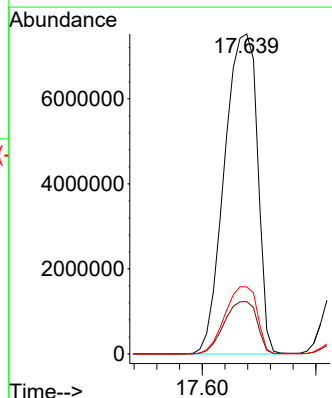
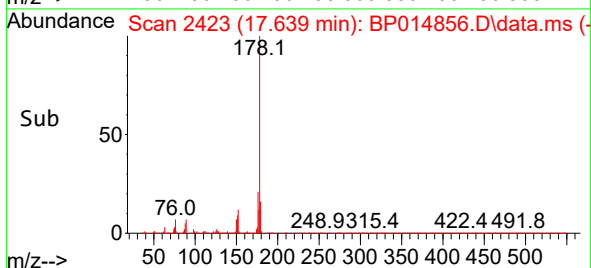
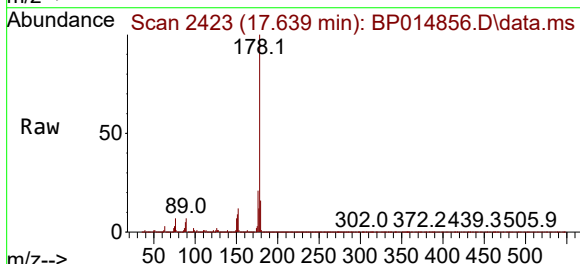
Manual Integrations
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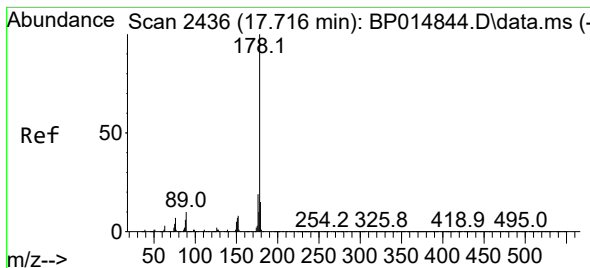
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#72
Phenanthrene
Concen: 190.160 ng/ul
RT: 17.639 min Scan# 2423
Delta R.T. 0.017 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

Tgt Ion:178 Resp:15175564
Ion Ratio Lower Upper
178 100
179 16.4 12.2 18.4
176 20.9 15.7 23.5





#74

Anthracene

Concen: 23.553 ng/ul

RT: 17.716 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

Instrument :

BNA_P

ClientSampleId :

EW909

Tgt Ion:178 Resp: 1895084

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

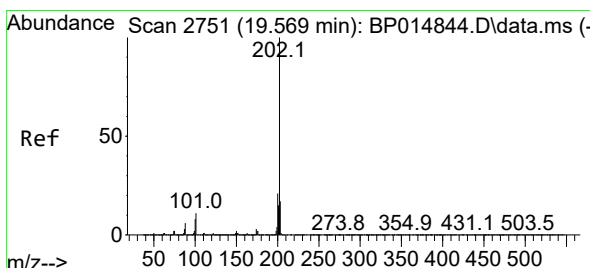
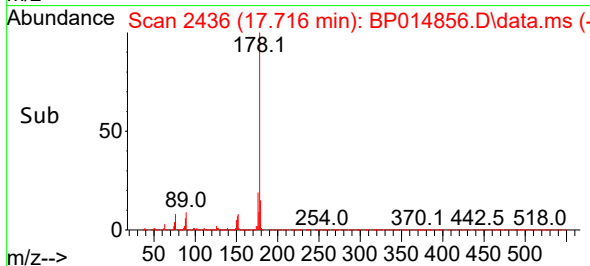
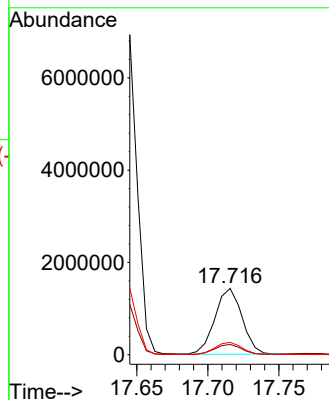
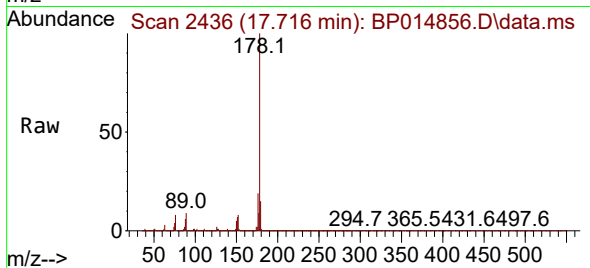
176 18.6 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#80

Fluoranthene

Concen: 168.355 ng/ul

RT: 19.574 min Scan# 2752

Delta R.T. 0.006 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

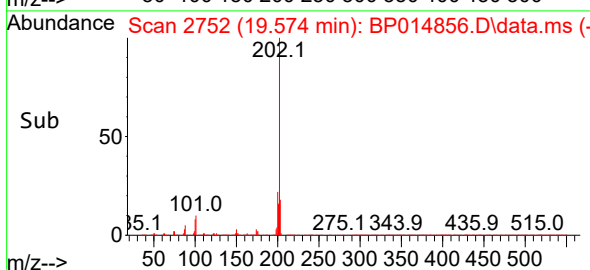
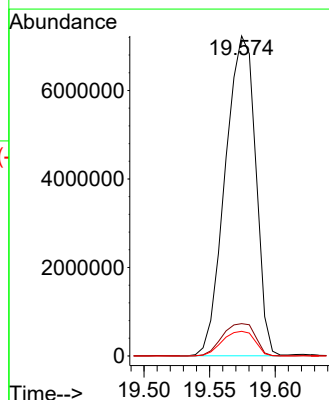
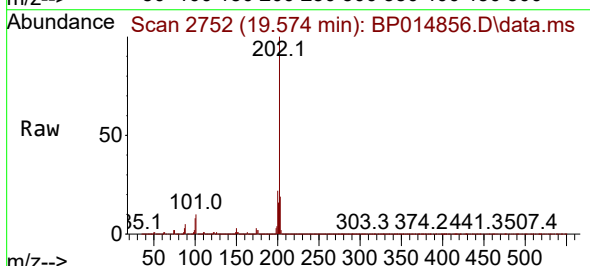
Tgt Ion:202 Resp:11666005

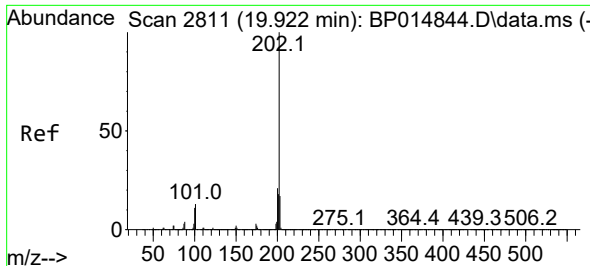
Ion Ratio Lower Upper

202 100

101 10.1 9.1 13.7

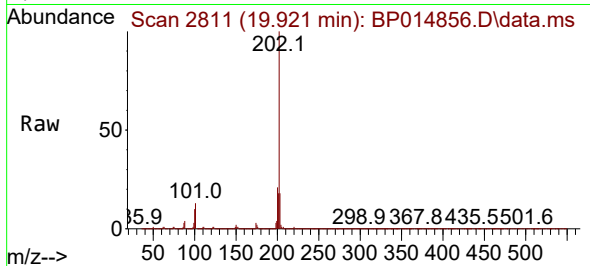
100 7.7 7.0 10.4





#82
Pyrene
Concen: 45.705 ng/ul
RT: 19.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

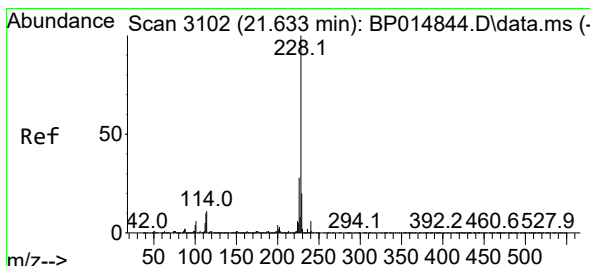
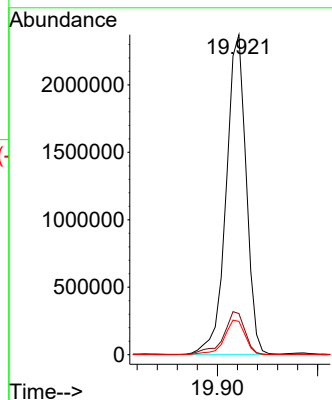
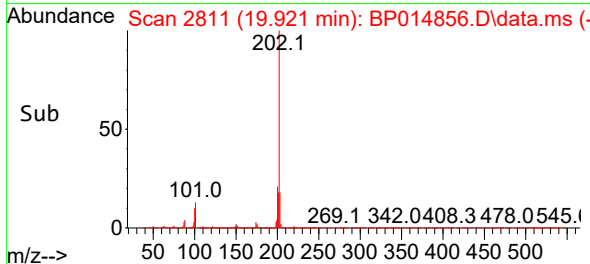
Instrument :
BNA_P
ClientSampleId :
EW909



Tgt Ion:202 Resp: 327558
Ion Ratio Lower Upper
202 100
101 12.9 11.1 16.7
100 10.4 9.0 13.6

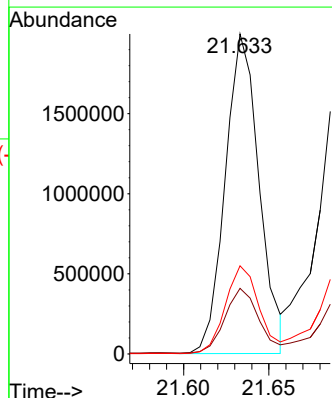
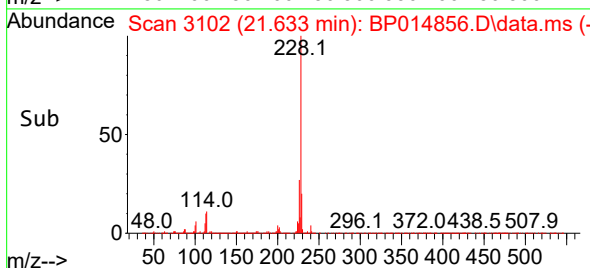
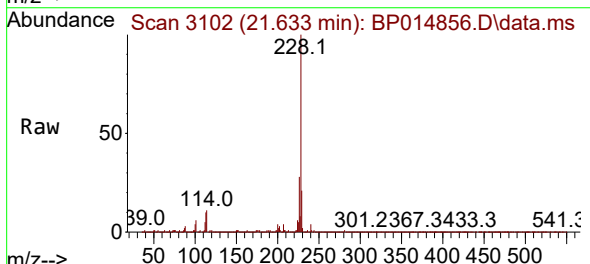
Manual Integrations
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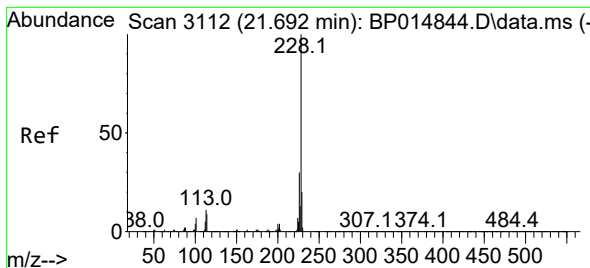
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#85
Benzo(a)anthracene
Concen: 41.033 ng/ul
RT: 21.633 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

Tgt Ion:228 Resp: 2760660
Ion Ratio Lower Upper
228 100
229 20.5 15.7 23.5
226 27.5 22.0 33.0





#87

Chrysene

Concen: 45.124 ng/ul

RT: 21.692 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

Instrument :

BNA_P

ClientSampleId :

EW909

Tgt Ion:228 Resp: 287803

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

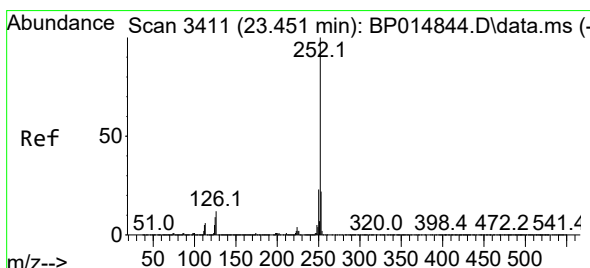
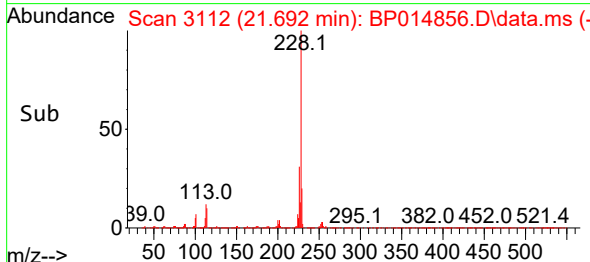
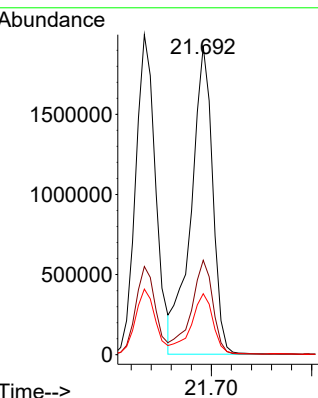
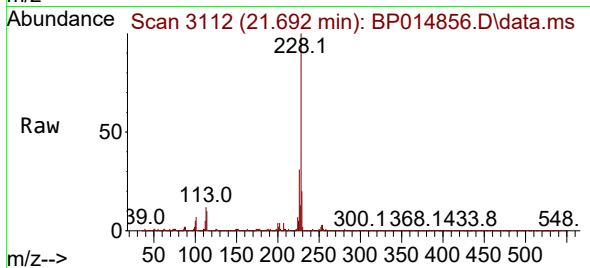
229 19.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#90

Benzo(b)fluoranthene

Concen: 16.716 ng/ul

RT: 23.445 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

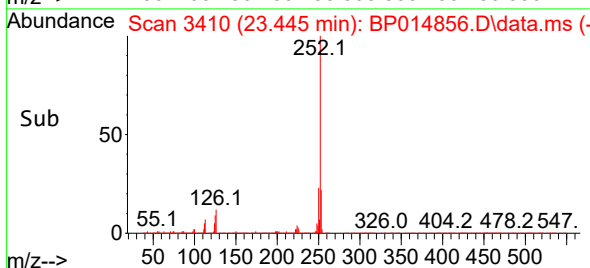
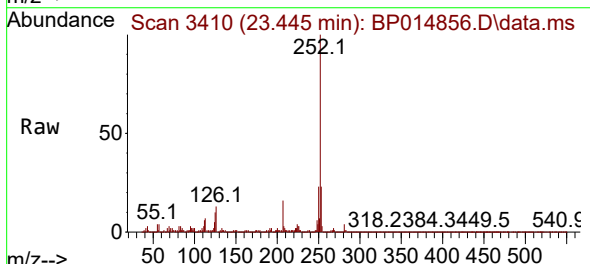
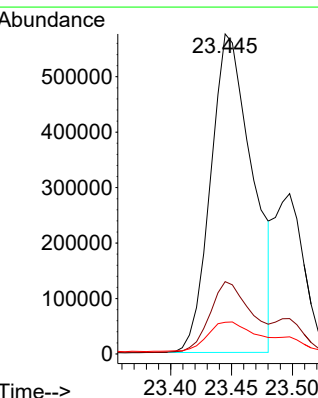
Tgt Ion:252 Resp: 1370161

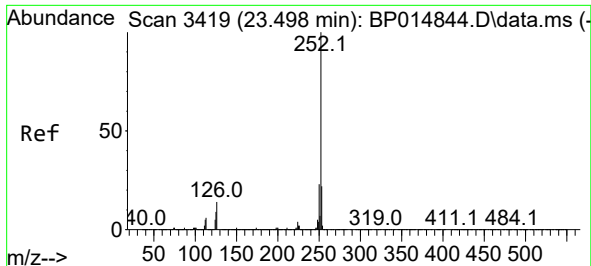
Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

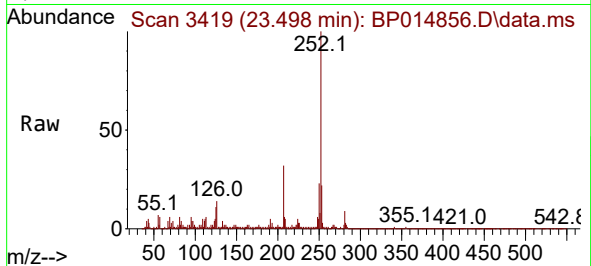
125 9.9 7.8 11.8





#91
Benzo(k)fluoranthene
Concen: 6.027 ng/ul m
RT: 23.498 min Scan# 3419
Delta R.T. -0.006 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53

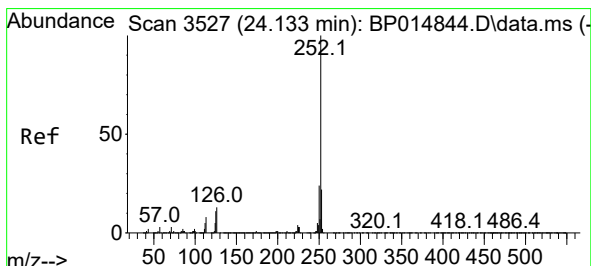
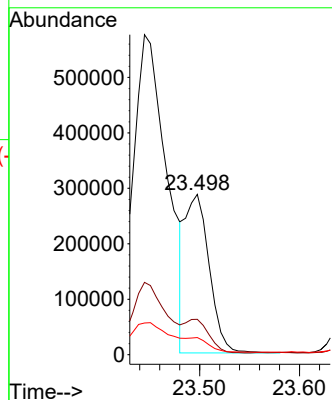
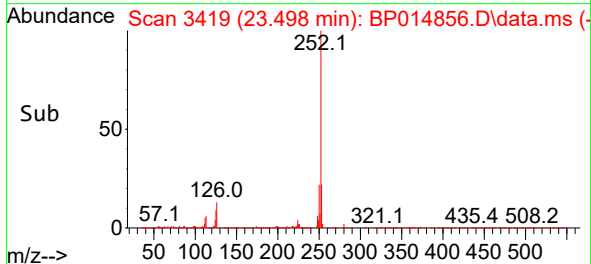
Instrument : BNA_P
ClientSampleId : EW909



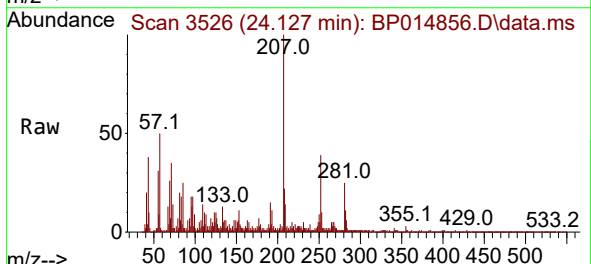
Tgt Ion:252 Resp: 47913
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.7 7.9 11.9

Manual Integrations
APPROVED

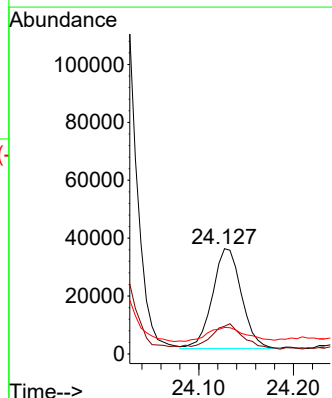
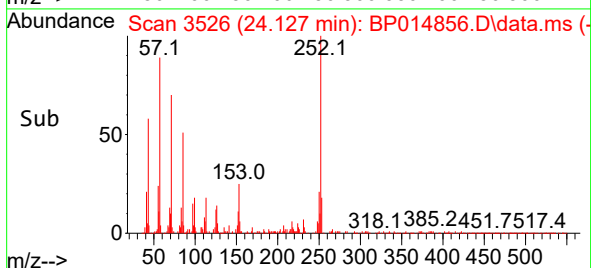
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

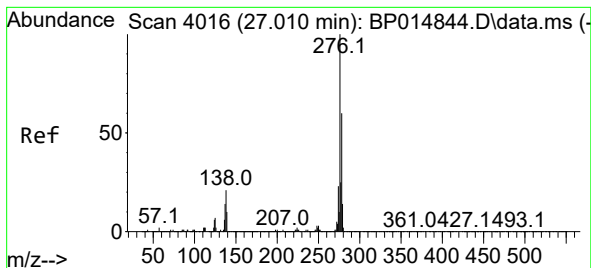


#93
Benzo(a)pyrene
Concen: 1.056 ng/ul
RT: 24.127 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BP014856.D
Acq: 26 Apr 2023 23:53



Tgt Ion:252 Resp: 73306
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3#
125 25.3 8.6 12.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.523 ng/ul

RT: 27.003 min Scan# 4015

Delta R.T. -0.012 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

Instrument :

BNA_P

ClientSampleId :

EW909

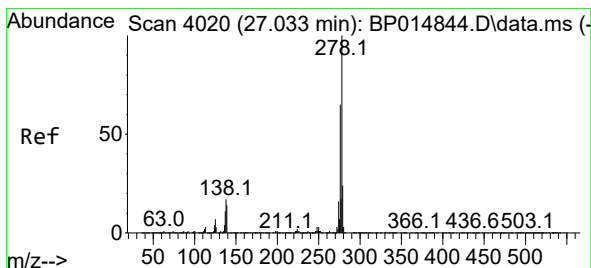
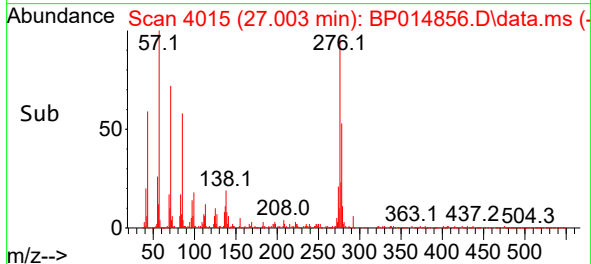
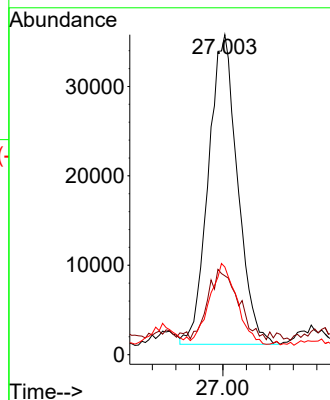
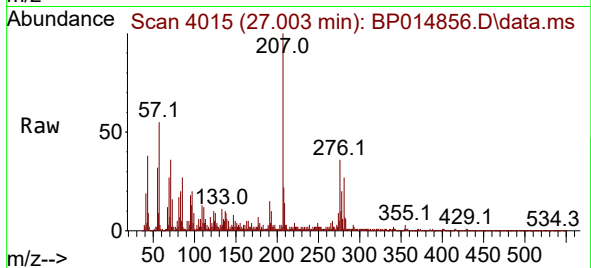
Tgt Ion:	276	Resp:	11921
Ion Ratio	Lower	Upper	
276	100		
138	24.7	17.7	26.5
277	27.4	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.256 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. -0.018 min

Lab File: BP014856.D

Acq: 26 Apr 2023 23:53

Tgt Ion:	278	Resp:	82031
Ion Ratio	Lower	Upper	
278	100		
139	27.3	12.0	18.0#
279	31.4	18.9	28.3#

