

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014964.D
 Acq On : 04 May 2023 21:41
 Operator : CG/JU
 Sample : 02447-21 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW939

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023

Quant Time: May 05 00:50:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	348876	20.000	ng/u1	0.00
20) Naphthalene-d8	10.998	136	1305102	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	651836	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	1126414	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	1110846	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1389783	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.463	96	2228	0.237	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	0.00
7) Phenol-d5	7.310	99	30199	0.998	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	20380	1.090	ng/u1	0.00
11) 2-Chlorophenol-d4	7.693	132	25776	1.159	ng/u1	0.00
15) 4-Methylphenol-d8	8.875	113	22229	0.954	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	10385	1.119	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	10146	1.064	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	19960	1.067	ng/u1	0.00
31) 4-Chloroaniline-d4	11.139	131	7820m	0.289	ng/u1	0.00
46) Dimethylphthalate-d6	14.204	166	63244	1.371	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	71824	1.298	ng/u1	0.00
54) 4-Nitrophenol-d4	14.992	143	2591m	0.323	ng/u1	0.00
60) Fluorene-d10	15.798	176	50883	1.282	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	1641	0.259	ng/u1	0.00
73) Anthracene-d10	17.663	188	70844	1.400	ng/u1	0.00
81) Pyrene-d10	19.880	212	86393	1.153	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.074	264	99139	1.464	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	11.051	128	106296	1.482	ng/u1	99
50) Acenaphthylene	14.533	152	172069	2.743	ng/u1	99
52) Acenaphthene	14.875	153	198301	4.568	ng/u1	99
56) Dibenzofuran	15.204	168	155312	2.652	ng/u1	100
61) Fluorene	15.857	166	225645	4.884	ng/u1	99
72) Phenanthrene	17.610	178	3636865	58.443	ng/u1	100
74) Anthracene	17.698	178	986736	15.927	ng/u1	99
77) Carbazole	17.957	167	295162	5.664	ng/u1	100
80) Fluoranthene	19.563	202	6714188	73.033	ng/u1	98
82) Pyrene	19.910	202	5953740	61.126	ng/u1	99
85) Benzo(a)anthracene	21.627	228	3269141	44.091	ng/u1	99
87) Chrysene	21.686	228	3305371	44.274	ng/u1	98
90) Benzo(b)fluoranthene	23.451	252	4748990	52.873	ng/u1	98
91) Benzo(k)fluoranthene	23.492	252	1607588m	17.586	ng/u1	
93) Benzo(a)pyrene	24.133	252	3152563	40.022	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.003	276	2411065	25.093	ng/u1	96
95) Dibenzo(a,h)anthracene	27.009	278	615626m	7.817	ng/u1	
96) Benzo(g,h,i)perylene	27.862	276	2139288	26.160	ng/u1	97

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

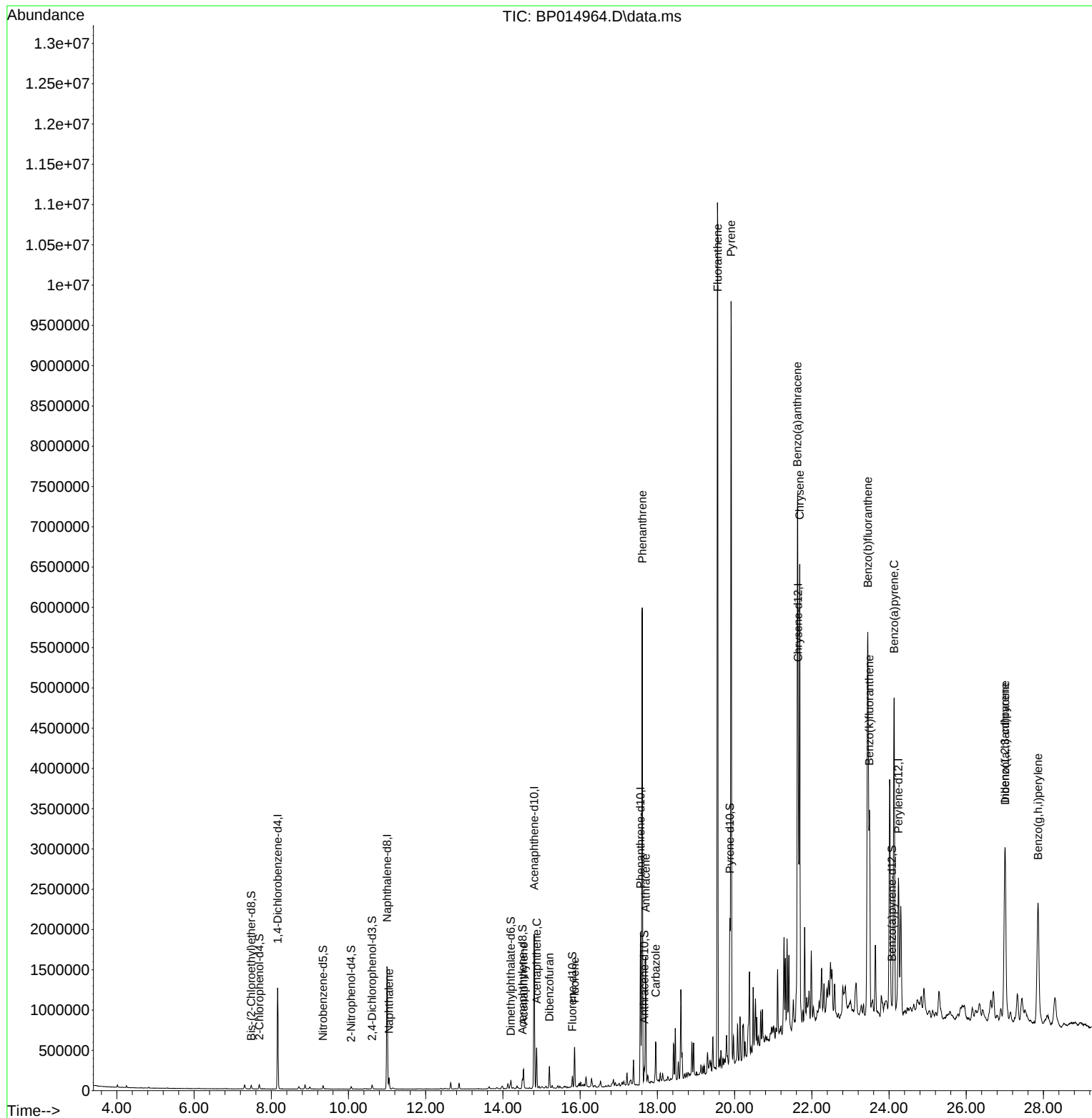
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014964.D
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Operator : CG/JU
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ALS Vial : 23 Sample Multiplier: 1

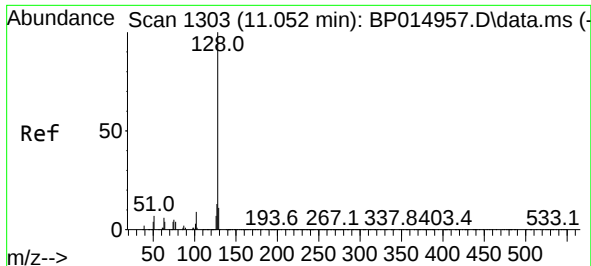
Instrument :
BNA_P
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Quant Time: May 05 00:50:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 04 11:40:49 2023
Response via : Initial Calibration

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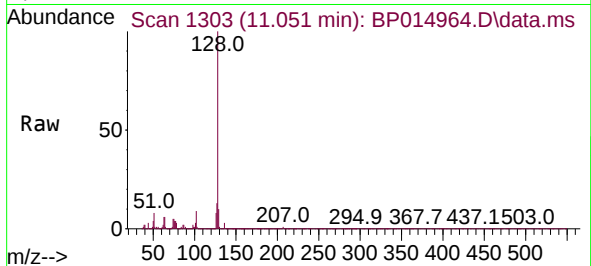
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023





#30
Naphthalene
Concen: 1.482 ng/ul
RT: 11.051 min Scan# 1103
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

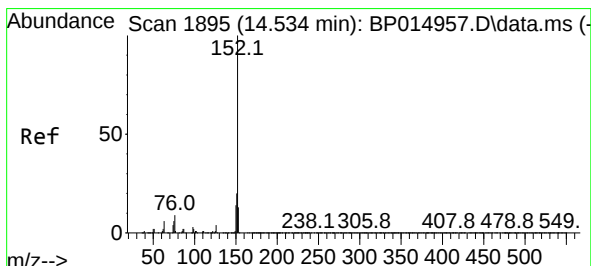
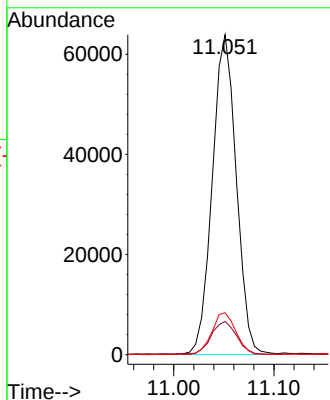
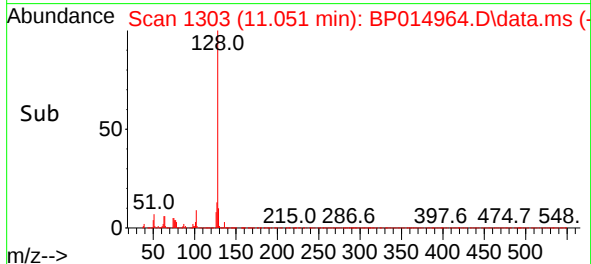
Instrument :
BNA_P
ClientSampleId :
EW939



Tgt Ion:128 Resp: 106290
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.1 10.4 15.6

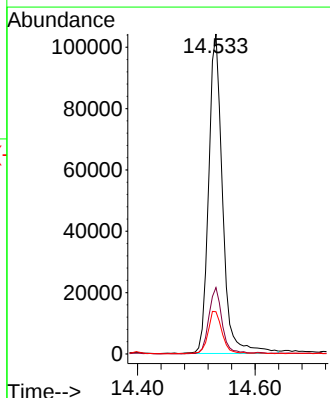
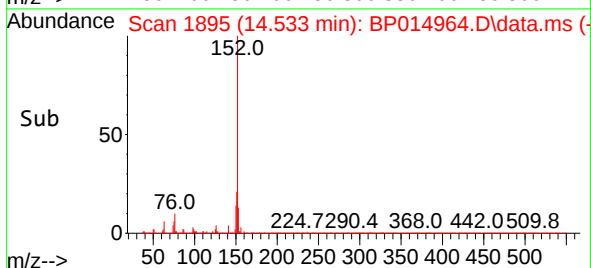
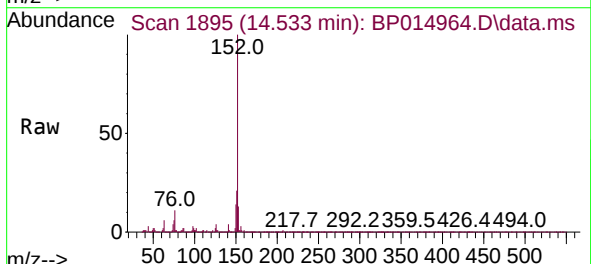
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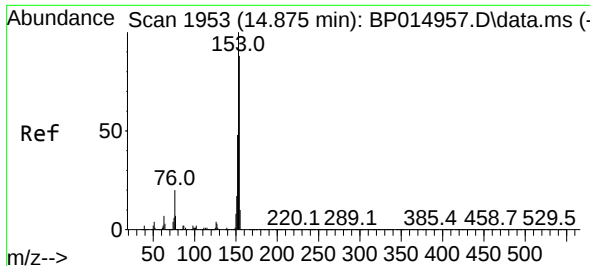
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#50
Acenaphthylene
Concen: 2.743 ng/ul
RT: 14.533 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

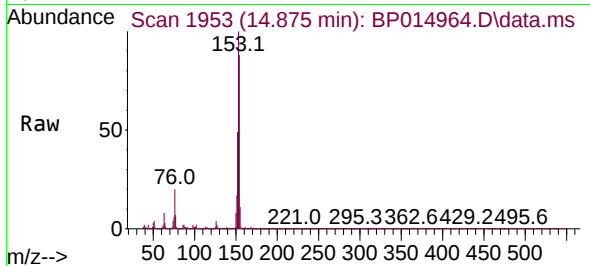
Tgt Ion:152 Resp: 172069
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 13.2 10.4 15.6





#52
Acenaphthene
Concen: 4.568 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

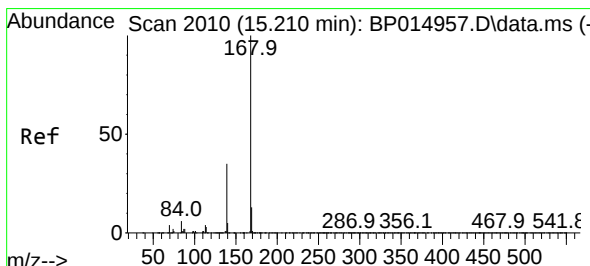
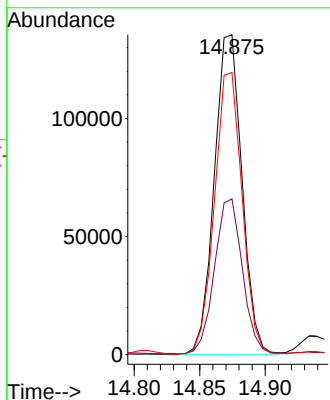
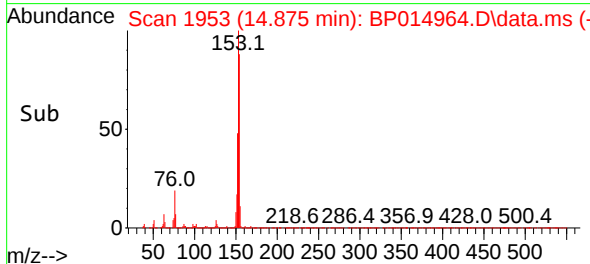
Instrument :
BNA_P
ClientSampleId :
EW939



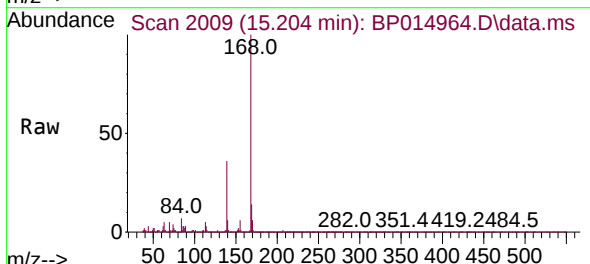
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Ion Ratio Lower Upper
153 100
152 48.7 38.8 58.2
154 88.2 69.6 104.4

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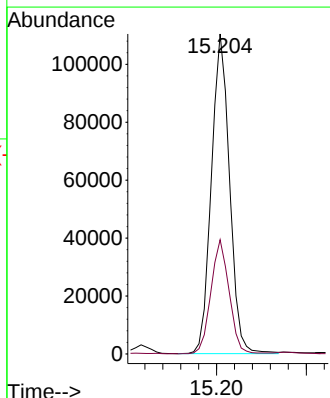
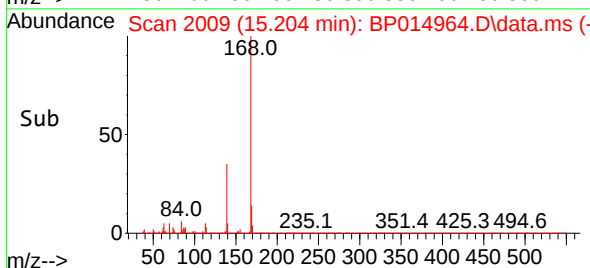
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

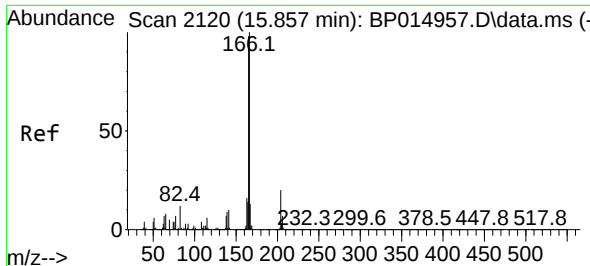


#56
Dibenzofuran
Concen: 2.652 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41



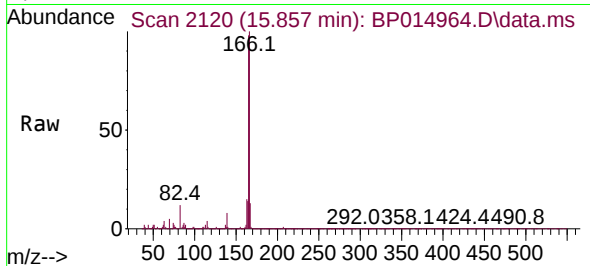
Tgt Ion:168 Resp: 155312
Ion Ratio Lower Upper
168 100
139 35.7 28.6 42.8





#61
Fluorene
Concen: 4.884 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

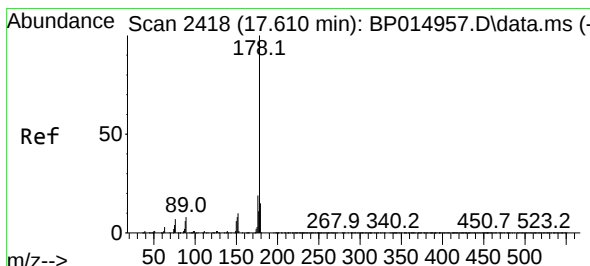
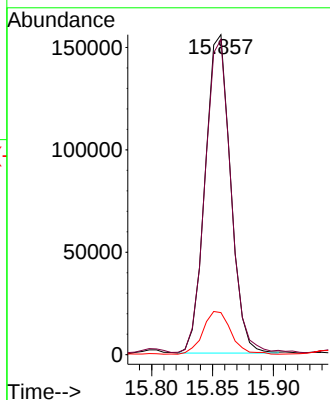
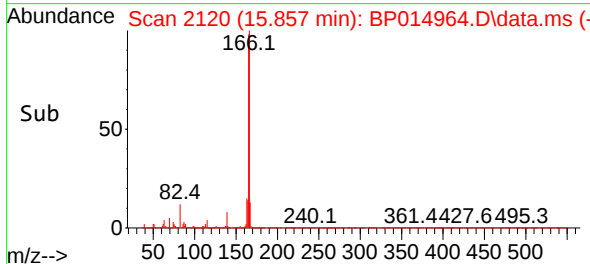
Instrument :
BNA_P
ClientSampleId :
EW939



Tgt Ion:166 Resp: 225649
Ion Ratio Lower Upper
166 100
165 98.4 79.3 118.9
167 13.2 10.7 16.1

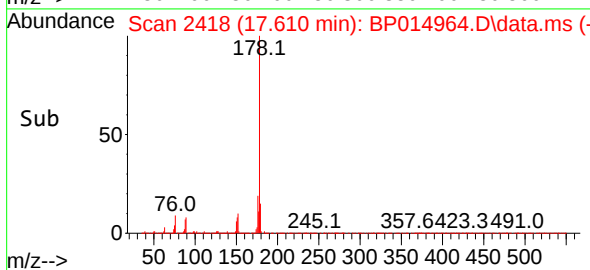
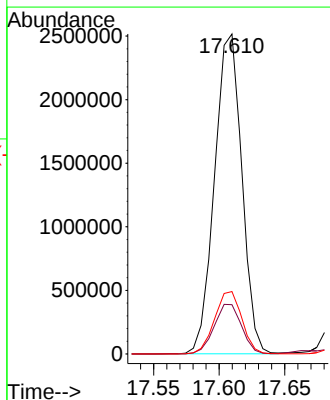
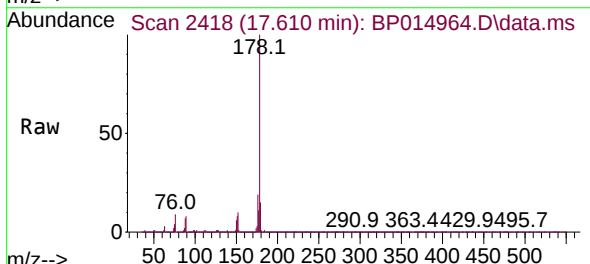
Manual Integrations
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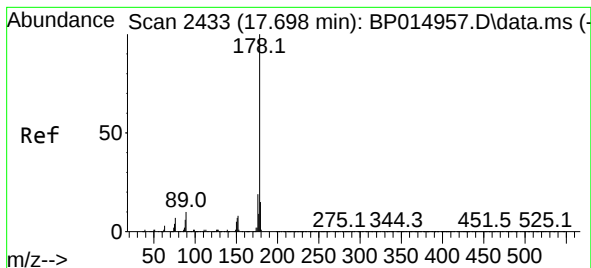
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#72
Phenanthrene
Concen: 58.443 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

Tgt Ion:178 Resp: 3636865
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.5 15.4 23.0





#74

Anthracene

Concen: 15.927 ng/ul

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

Instrument :

BNA_P

ClientSampleId :

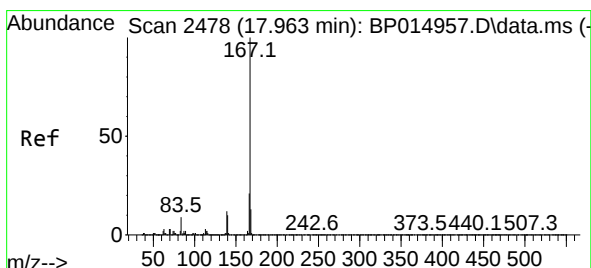
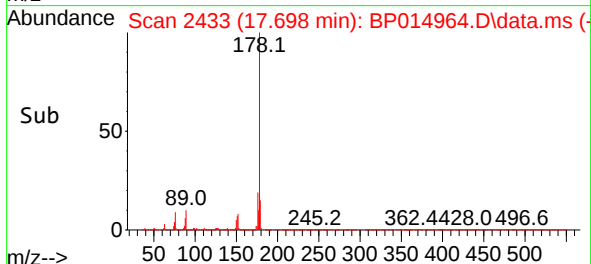
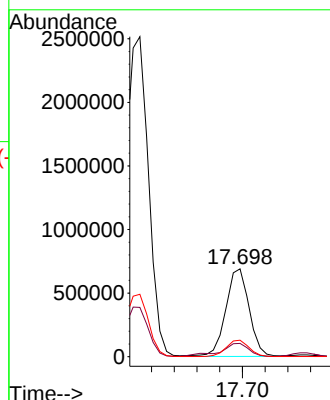
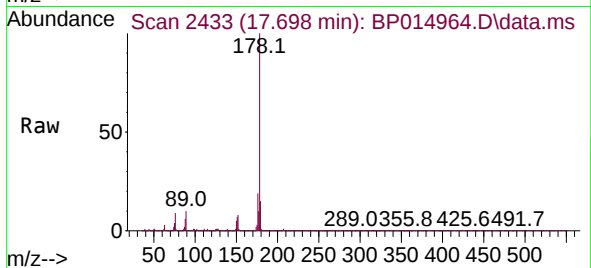
EW939

Tgt Ion:178	Resp: 986730
Ion Ratio	Lower Upper
178 100	
179 15.2	12.6 18.8
176 18.7	15.0 22.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#77

Carbazole

Concen: 5.664 ng/ul

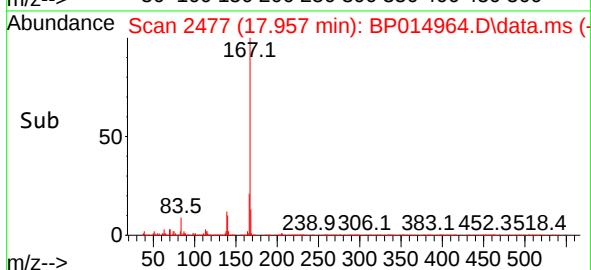
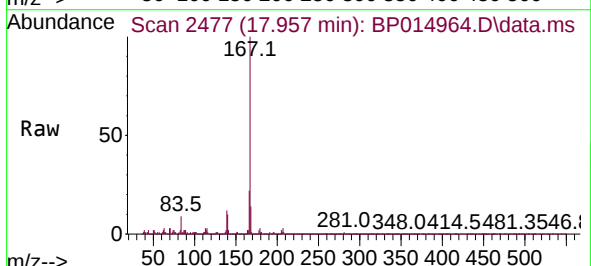
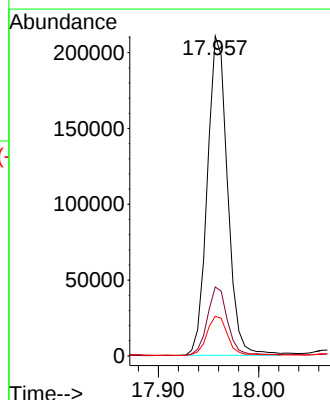
RT: 17.957 min Scan# 2477

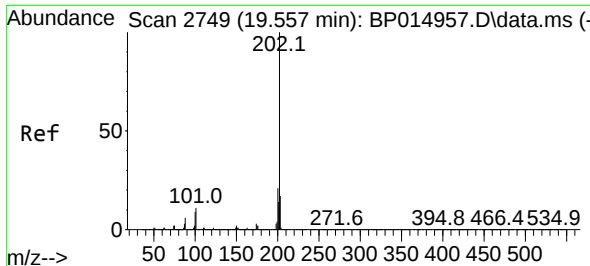
Delta R.T. -0.006 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

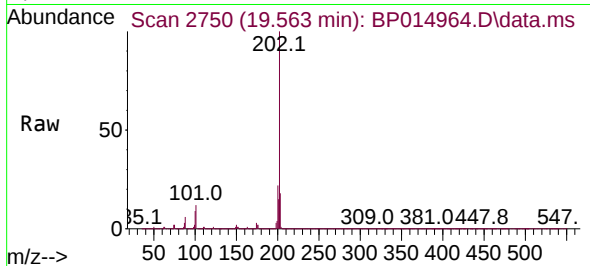
Tgt Ion:167	Resp: 295162
Ion Ratio	Lower Upper
167 100	
166 21.5	17.1 25.7
139 12.4	10.1 15.1





#80
Fluoranthene
Concen: 73.033 ng/u1
RT: 19.563 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

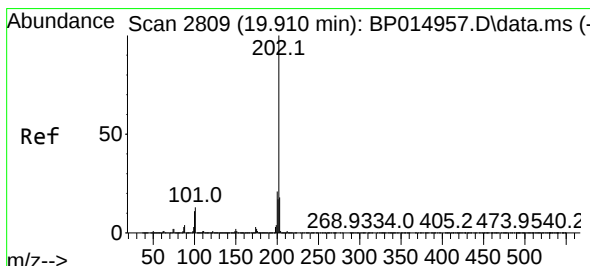
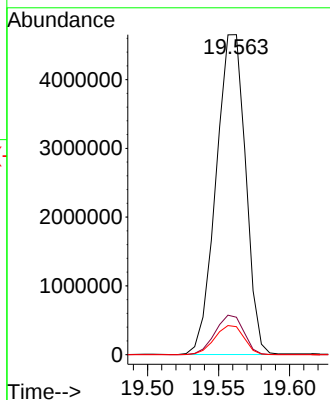
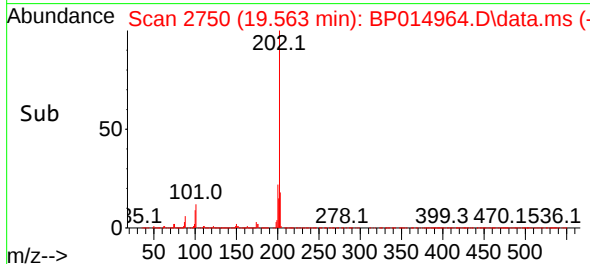
Instrument :
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Tgt Ion:202 Resp: 6714188
Ion Ratio Lower Upper
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101 11.7 10.1 15.1
100 8.7 7.7 11.5

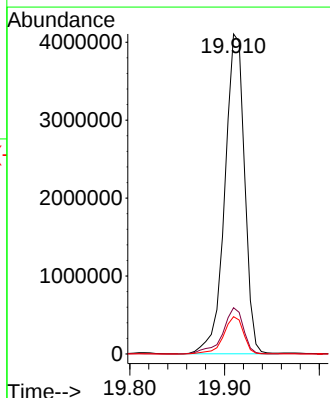
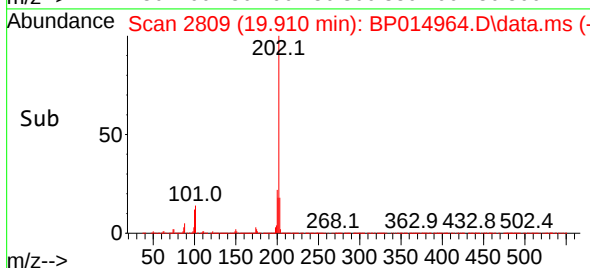
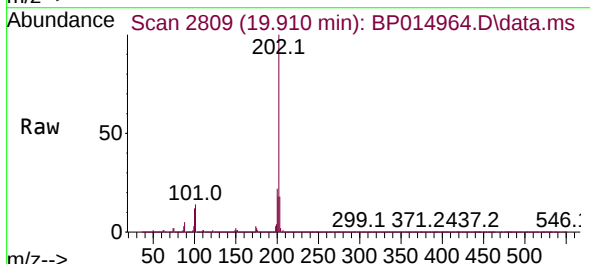
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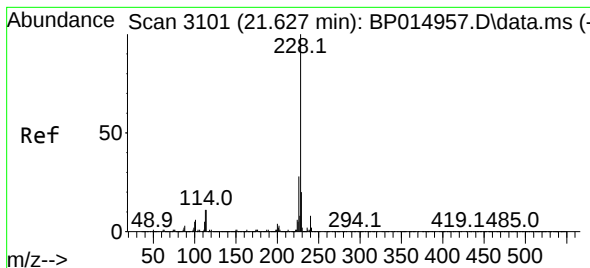
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#82
Pyrene
Concen: 61.126 ng/u1
RT: 19.910 min Scan# 2809
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

Tgt Ion:202 Resp: 5953740
Ion Ratio Lower Upper
202 100
101 14.4 11.9 17.9
100 11.6 9.7 14.5





#85

Benzo(a)anthracene

Concen: 44.091 ng/ul

RT: 21.627 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

Instrument :

BNA_P

ClientSampleId :

EW939

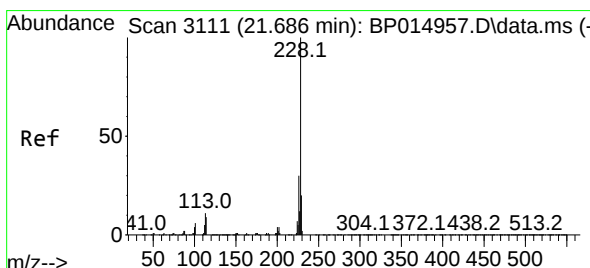
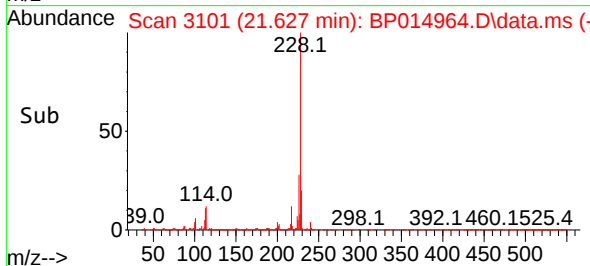
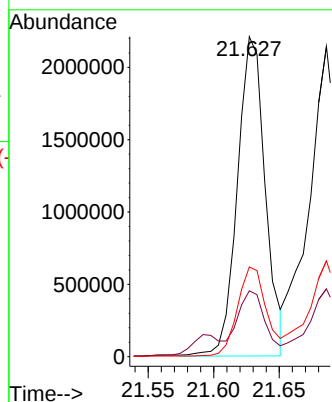
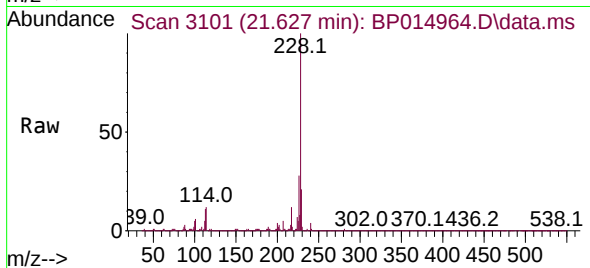
Tgt Ion:228 Resp: 326914

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.9	23.9
226	28.1	22.1	33.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#87

Chrysene

Concen: 44.274 ng/ul

RT: 21.686 min Scan# 3111

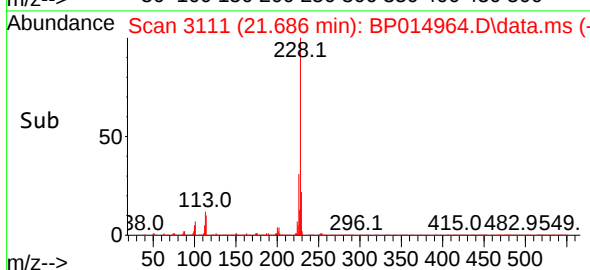
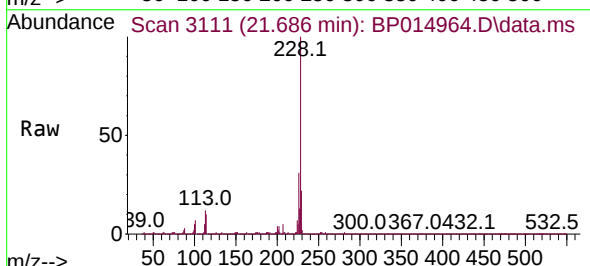
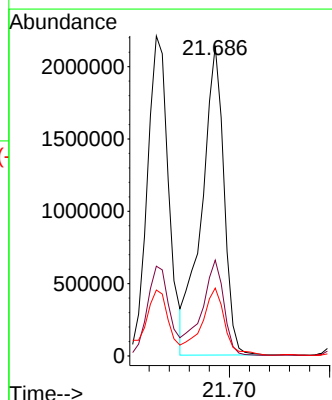
Delta R.T. -0.000 min

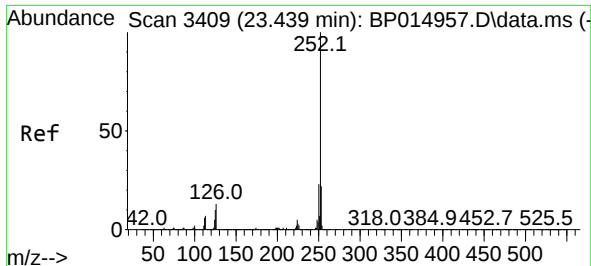
Lab File: BP014964.D

Acq: 04 May 2023 21:41

Tgt Ion:228 Resp: 3305371

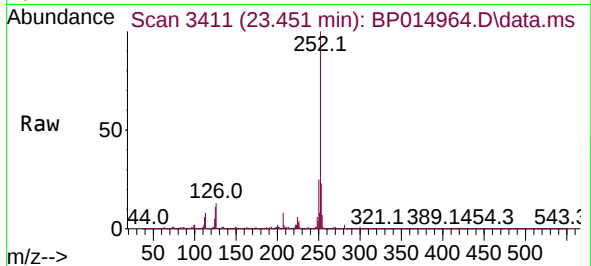
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	21.9	15.8	23.8





#90
Benzo(b)fluoranthene
Concen: 52.873 ng/ul
RT: 23.451 min Scan# 3409
Delta R.T. 0.011 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

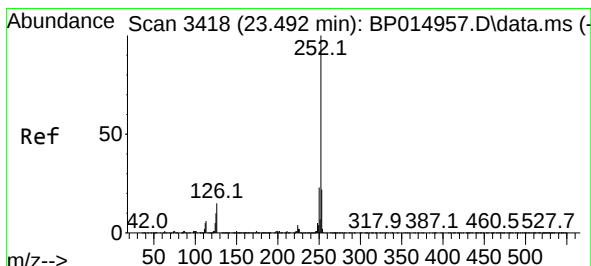
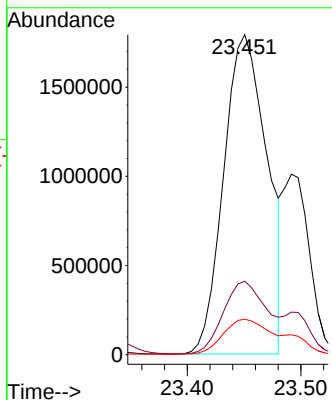
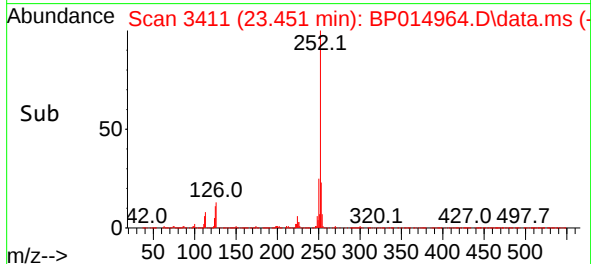
Instrument :
BNA_P
ClientSampleId :
EW939



Tgt Ion:252 Resp: 4748990
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.1 8.4 12.6

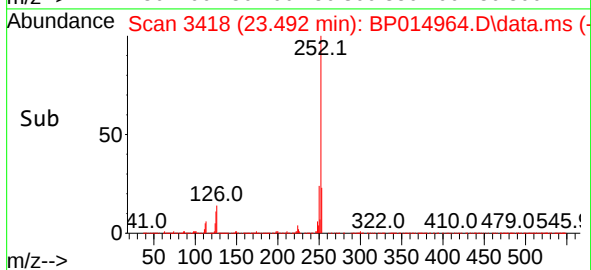
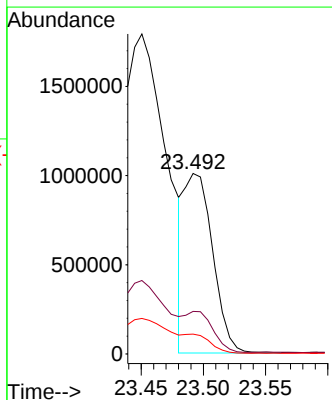
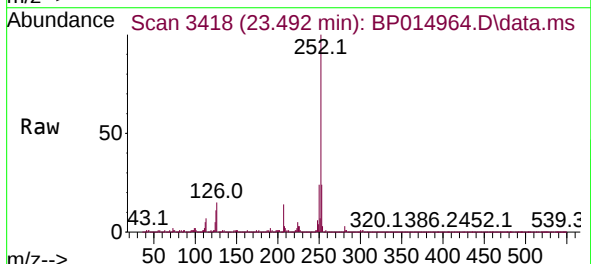
Manual Integrations
APPROVED

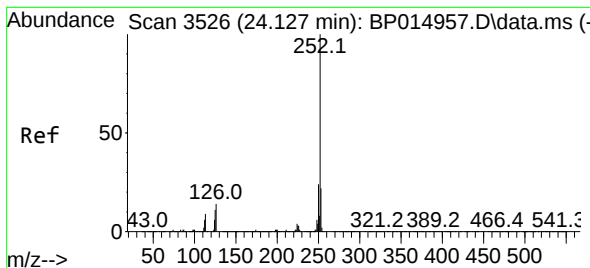
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Benzo(k)fluoranthene
Concen: 17.586 ng/ul m
RT: 23.492 min Scan# 3418
Delta R.T. -0.000 min
Lab File: BP014964.D
Acq: 04 May 2023 21:41

Tgt Ion:252 Resp: 1607588
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.0 8.9 13.3





#93

Benzo(a)pyrene

Concen: 40.022 ng/ul

RT: 24.133 min Scan# 315256

Delta R.T. 0.005 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

Instrument :

BNA_P

ClientSampleId :

EW939

Tgt Ion:252 Resp: 315256

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

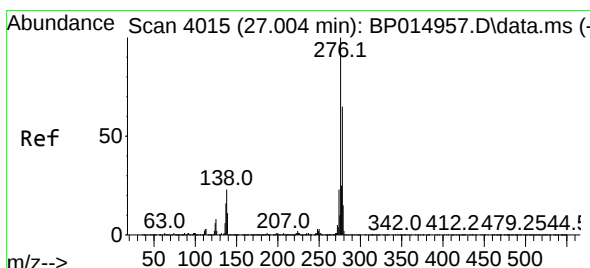
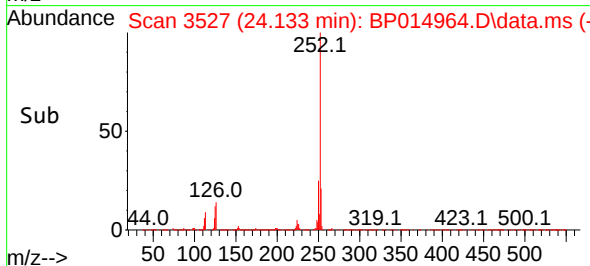
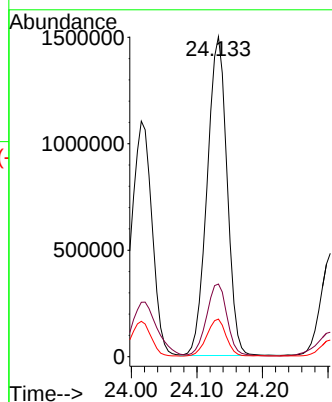
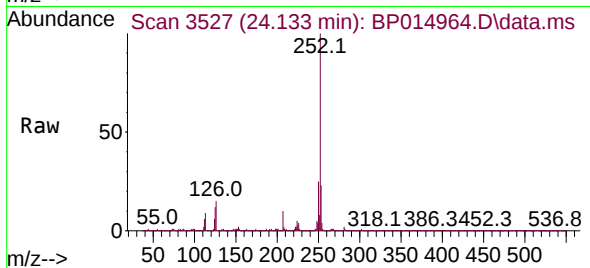
125 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 25.093 ng/ul

RT: 27.003 min Scan# 4015

Delta R.T. 0.005 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

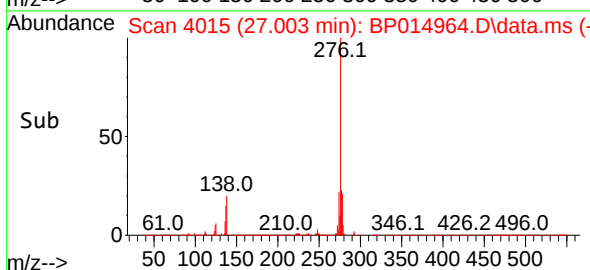
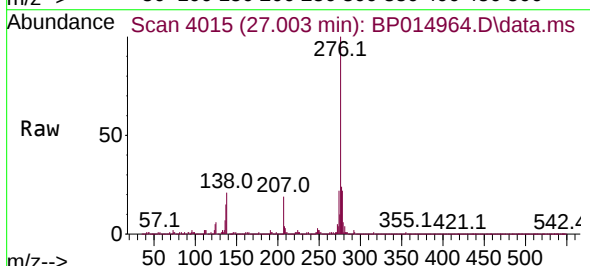
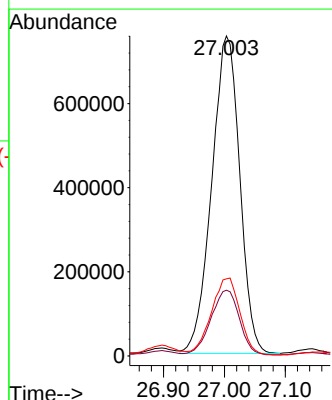
Tgt Ion:276 Resp: 2411065

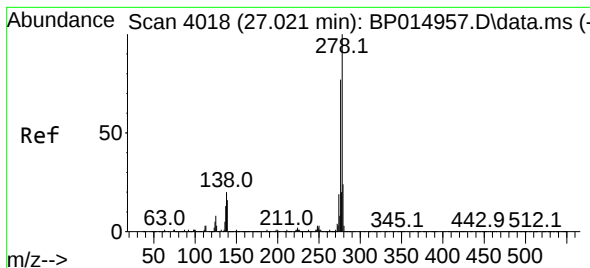
Ion Ratio Lower Upper

276 100

138 20.5 19.4 29.0

277 24.1 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 7.817 ng/ul m

RT: 27.009 min Scan# 4018

Delta R.T. -0.006 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

Instrument :

BNA_P

ClientSampleId :

EW939

Tgt Ion:278 Resp: 615620

Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3

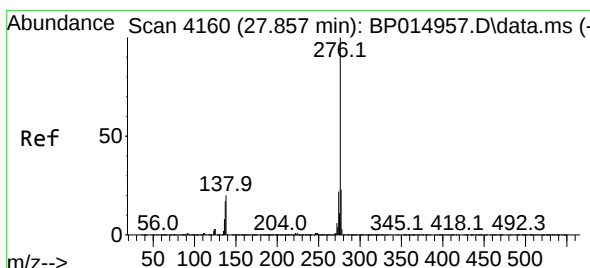
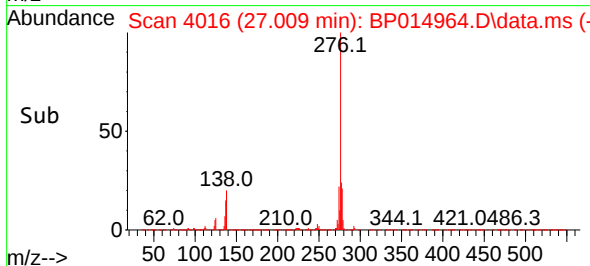
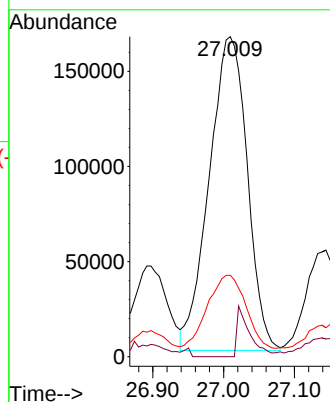
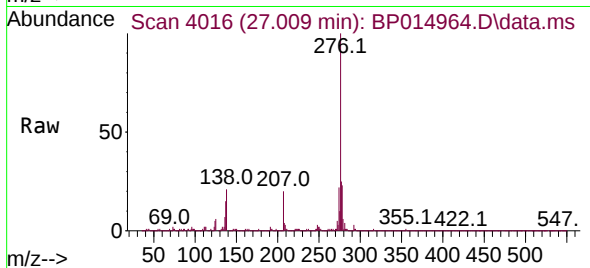
279 25.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#96

Benzo(g,h,i)perylene

Concen: 26.160 ng/ul

RT: 27.862 min Scan# 4161

Delta R.T. 0.017 min

Lab File: BP014964.D

Acq: 04 May 2023 21:41

Tgt Ion:276 Resp: 2139288

Ion Ratio Lower Upper

276 100

138 20.3 18.0 27.0

277 23.8 19.8 29.8

