

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
 Data File : BP021070.D
 Acq On : 19 Jul 2024 08:35
 Operator : MA/JU
 Sample : P3215-04DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C02DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 09:04:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	179924	20.000	ng/u1	0.00
20) Naphthalene-d8	10.452	136	733788	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.310	164	490045	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.122	188	1137144	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1182731	20.000	ng/u1	-0.01
88) Perylene-d12	24.874	264	1471598	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	3383	0.856	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.905	99	77201	5.263	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	44139	4.965	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	66037	5.464	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	52905m	4.343	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	29904	5.247	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	33297	5.104	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	65230m	5.530	ng/u1	0.00
31) 4-Chloroaniline-d4	10.628	131	25654m	1.642	ng/u1	0.03
46) Dimethylphthalate-d6	13.710	166	212274	5.959	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	248570	6.214	ng/u1	0.00
54) 4-Nitrophenol-d4	14.622	143	27498m	5.425	ng/u1	0.02
60) Fluorene-d10	15.310	176	200896	6.874	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.487	200	15915m	2.313	ng/u1	0.00
73) Anthracene-d10	17.222	188	323436	6.404	ng/u1	0.00
81) Pyrene-d10	19.604	212	316752	4.332	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.633	264	223064	3.073	ng/u1	-0.05
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.028	152	66110	1.460	ng/u1	99
52) Acenaphthene	14.369	153	54949	1.828	ng/u1	97
56) Dibenzofuran	14.716	168	50743	1.233	ng/u1	100
61) Fluorene	15.369	166	71112	2.117	ng/u1	99
72) Phenanthrene	17.169	178	1422888	24.121	ng/u1	100
74) Anthracene	17.257	178	330117	5.489	ng/u1	99
77) Carbazole	17.545	167	110008	2.238	ng/u1	99
80) Fluoranthene	19.257	202	2568488	29.087	ng/u1	98
82) Pyrene	19.633	202	1441866	16.046	ng/u1	99
85) Benzo(a)anthracene	21.545	228	1210230	14.607	ng/u1	98
87) Chrysene	21.610	228	1160043	15.068	ng/u1	98
90) Benzo(b)fluoranthene	23.827	252	1505734	16.861	ng/u1	97
91) Benzo(k)fluoranthene	23.874	252	581664	6.527	ng/u1	97
93) Benzo(a)pyrene	24.710	252	428301	5.075	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.645	276	450236	4.140	ng/u1	99
95) Dibenzo(a,h)anthracene	28.698	278	207573m	2.305	ng/u1	

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

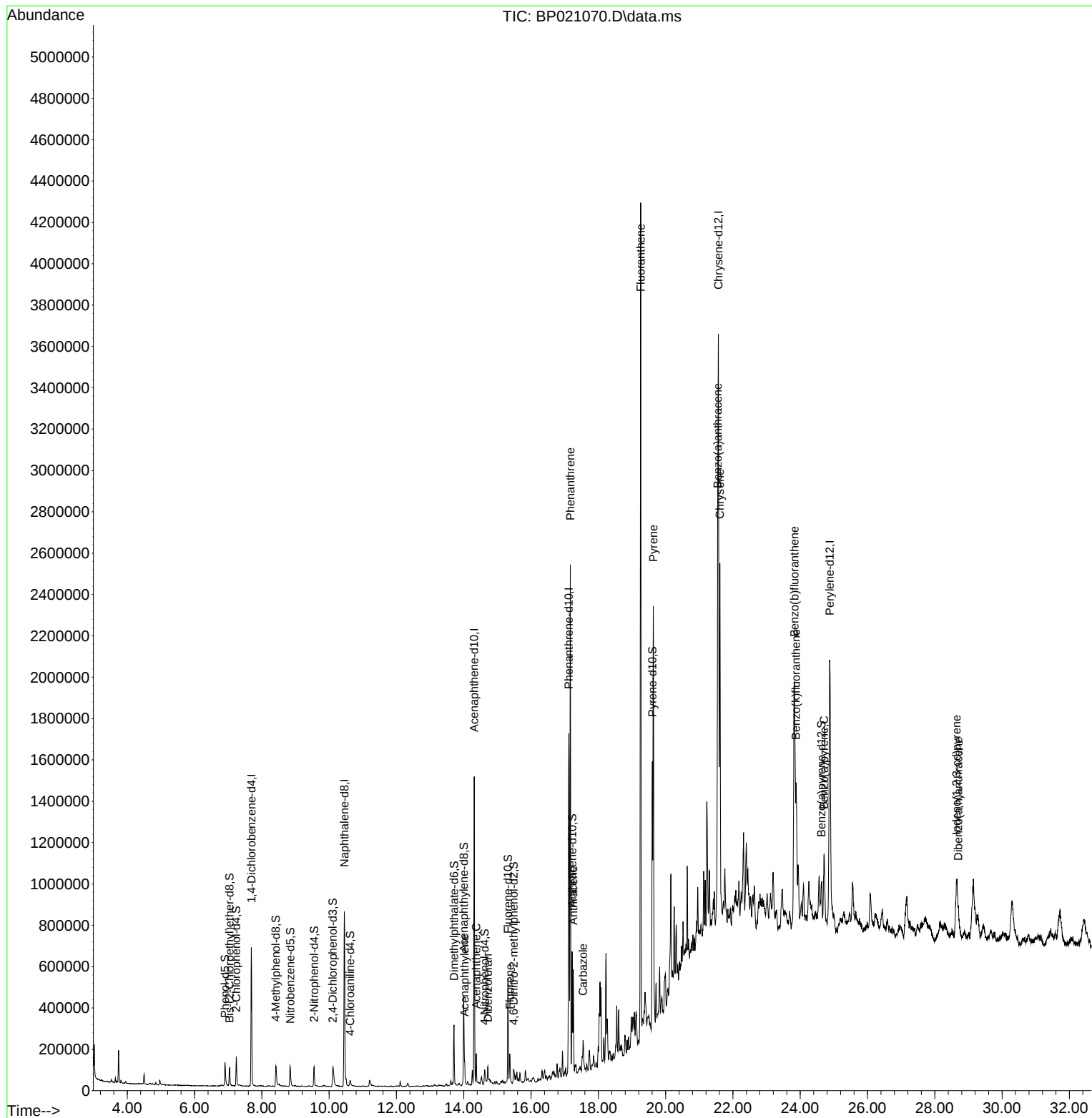
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
Data File : BP021070.D
Acq On : 19 Jul 2024 08:35
Operator : MA/JU
Sample : P3215-04DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

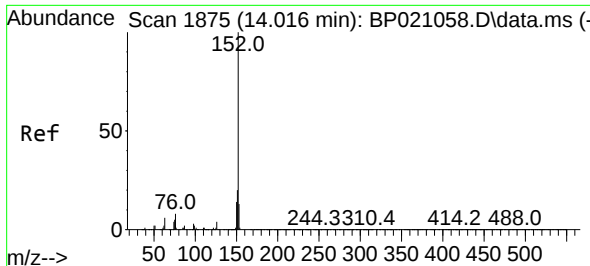
Instrument :
BNA_P
ClientSampleId :
A4C02DL

Quant Time: Jul 19 09:04:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 07/20/2024





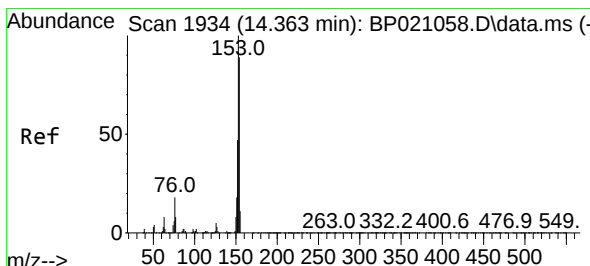
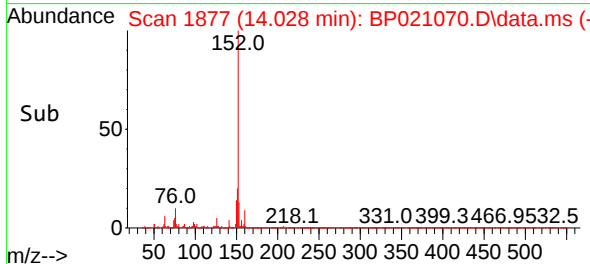
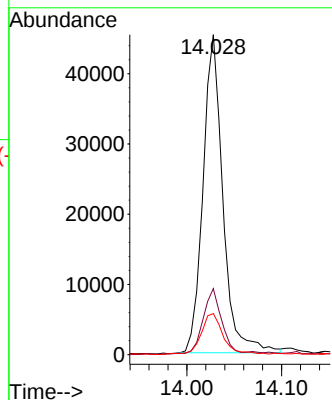
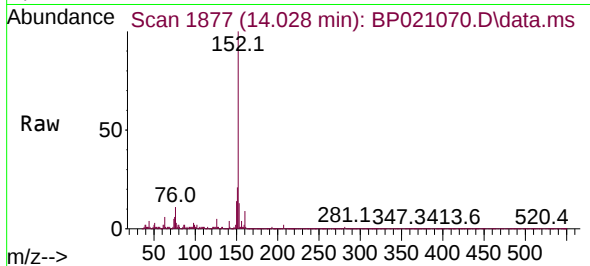
#50
Acenaphthylene
Concen: 1.460 ng/ul
RT: 14.028 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Instrument :
BNA_P
ClientSampleId :
A4C02DL

Tgt Ion:152 Resp: 66110
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 12.8 10.3 15.5

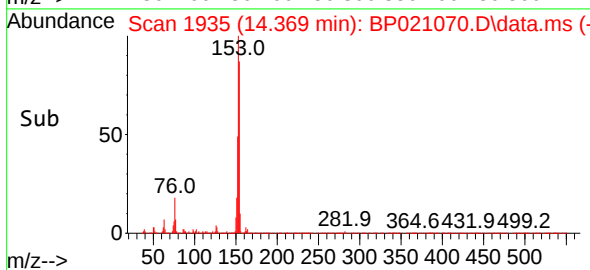
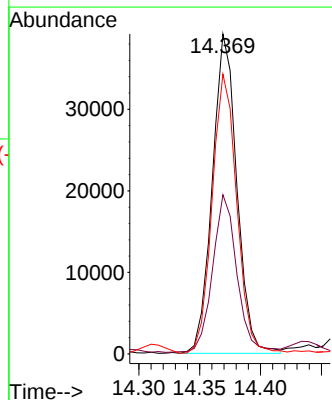
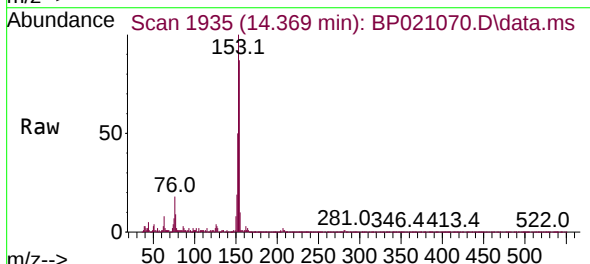
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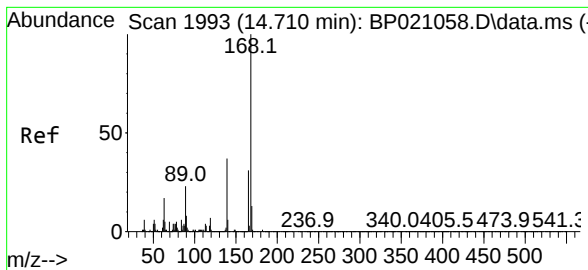
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#52
Acenaphthene
Concen: 1.828 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Tgt Ion:153 Resp: 54949
Ion Ratio Lower Upper
153 100
152 49.8 37.8 56.6
154 87.5 71.8 107.6





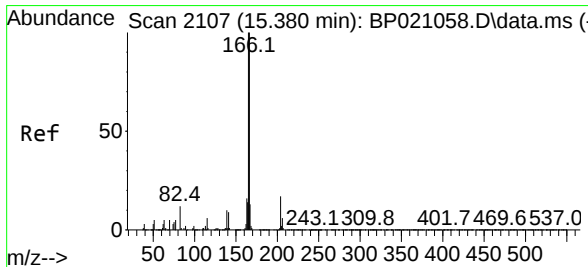
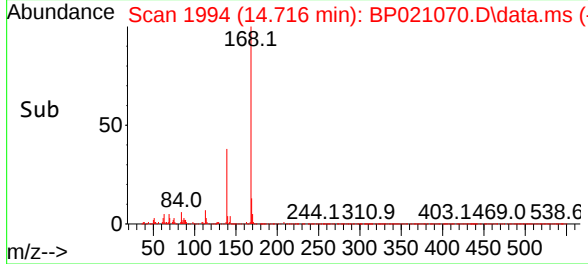
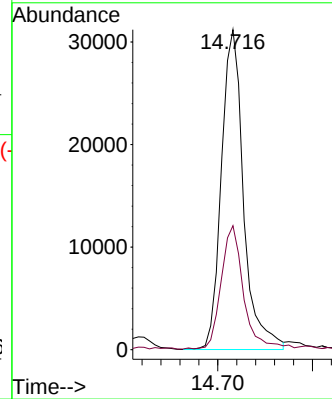
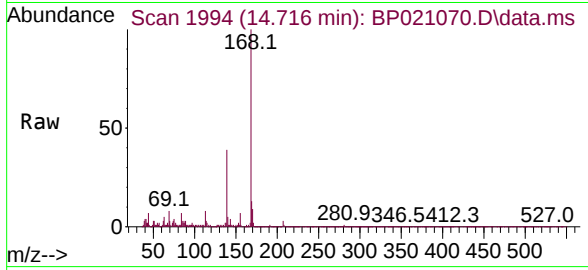
#56
Dibenzenofuran
Concen: 1.233 ng/ul
RT: 14.716 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Instrument :
BNA_P
ClientSampleId :
A4C02DL

Tgt Ion:168 Resp: 5074
Ion Ratio Lower Upper
168 100
139 38.8 31.1 46.7

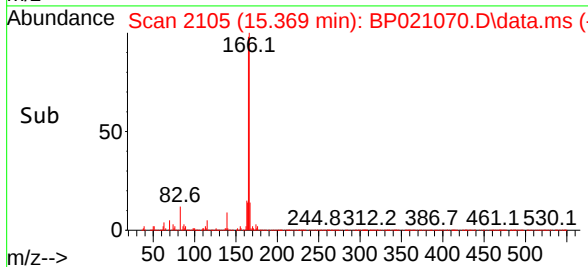
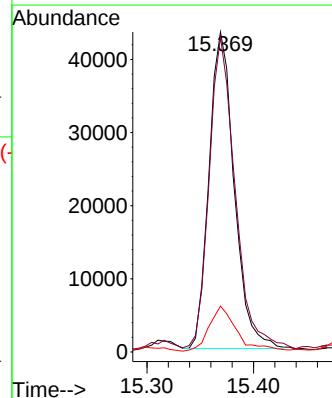
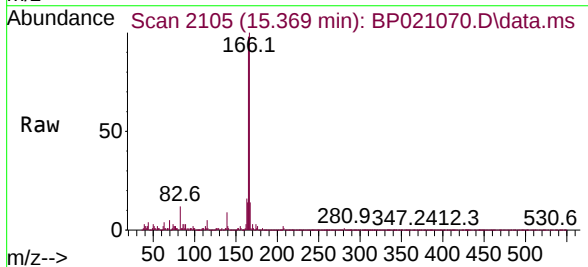
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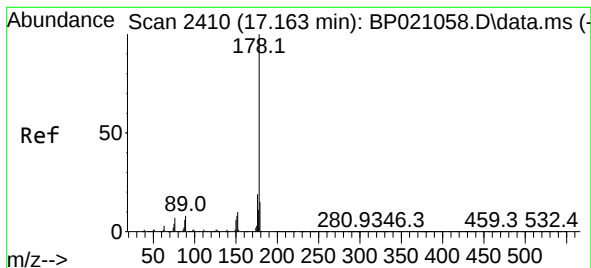
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#61
Fluorene
Concen: 2.117 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Tgt Ion:166 Resp: 71112
Ion Ratio Lower Upper
166 100
165 98.4 78.1 117.1
167 14.4 10.9 16.3





#72

Phenanthrene

Concen: 24.121 ng/ul

RT: 17.169 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

Instrument :

BNA_P

ClientSampleId :

A4C02DL

Tgt Ion:178 Resp: 142288

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

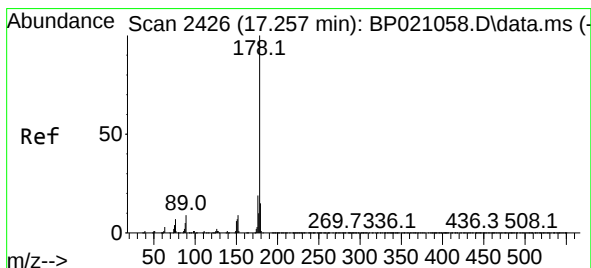
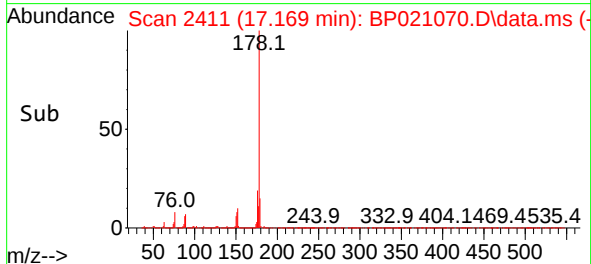
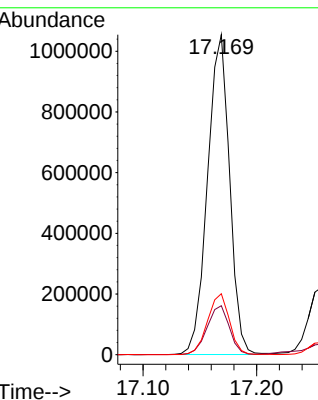
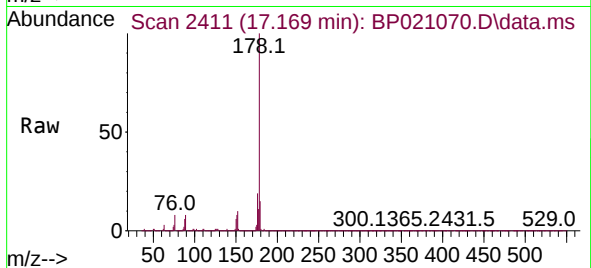
176 19.0 15.0 22.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/19/2024

Supervised By :mohammad ahmed 07/20/2024



#74

Anthracene

Concen: 5.489 ng/ul

RT: 17.257 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

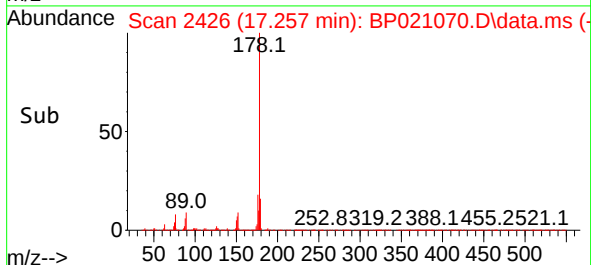
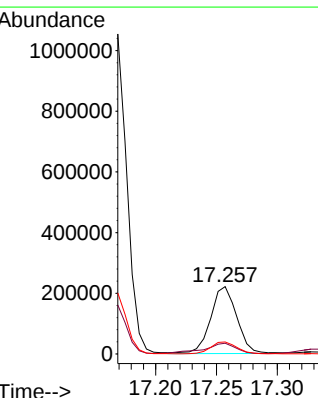
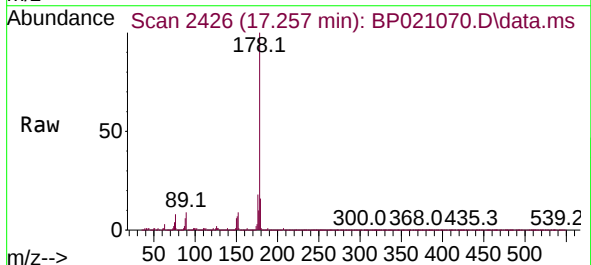
Tgt Ion:178 Resp: 330117

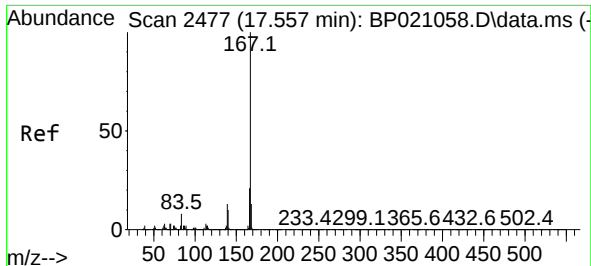
Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

176 17.9 14.8 22.2





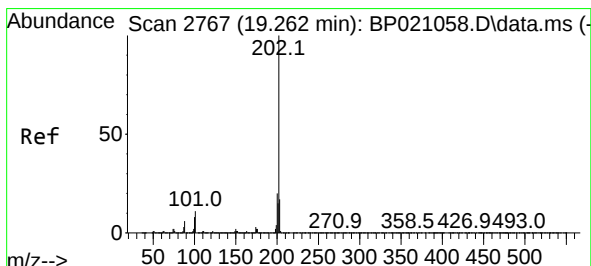
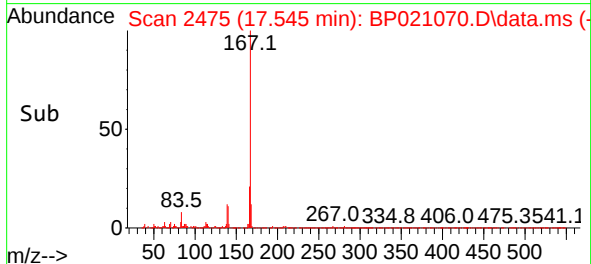
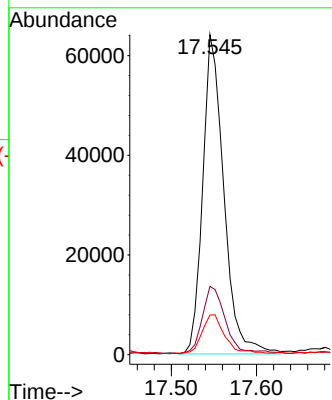
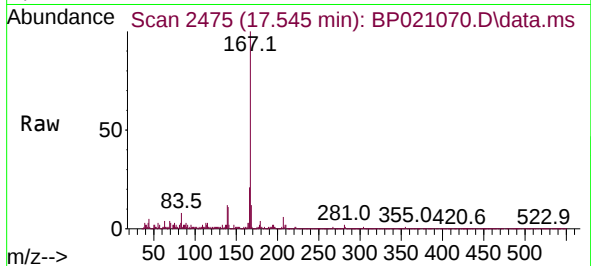
#77
 Carbazole
 Concen: 2.238 ng/ul
 RT: 17.545 min Scan# 2475
 Delta R.T. -0.017 min
 Lab File: BP021070.D
 Acq: 19 Jul 2024 08:35

Instrument :
 BNA_P
 ClientSampleId :
 A4C02DL

Tgt Ion:167 Resp: 110000
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.3 25.9
 139 12.4 10.2 15.2

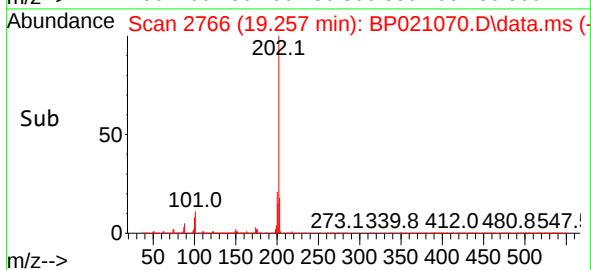
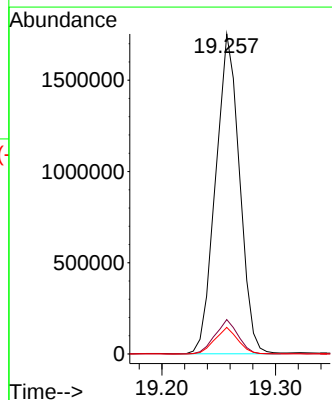
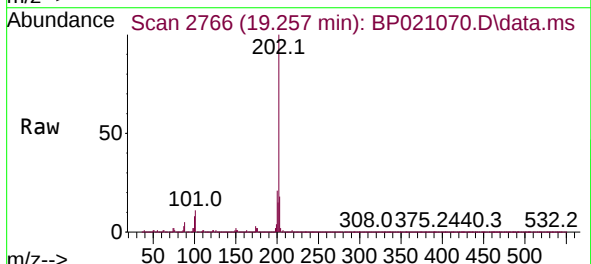
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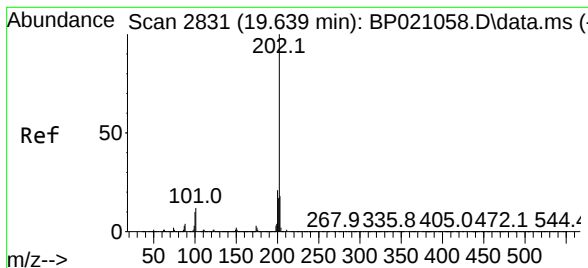
Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024



#80
 Fluoranthene
 Concen: 29.087 ng/ul
 RT: 19.257 min Scan# 2766
 Delta R.T. -0.006 min
 Lab File: BP021070.D
 Acq: 19 Jul 2024 08:35

Tgt Ion:202 Resp: 2568488
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.0 12.0
 100 8.3 6.1 9.1





#82

Pyrene

Concen: 16.046 ng/ul

RT: 19.633 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

Instrument :

BNA_P

ClientSampleId :

A4C02DL

Tgt Ion:202 Resp: 144186

Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.2

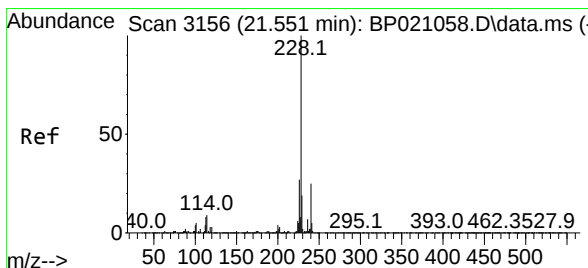
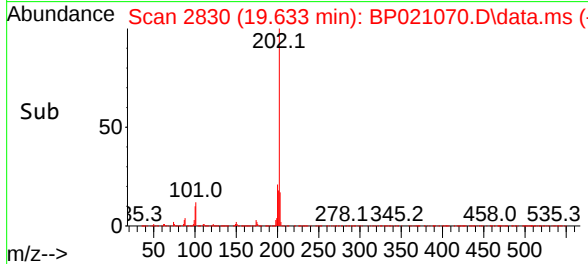
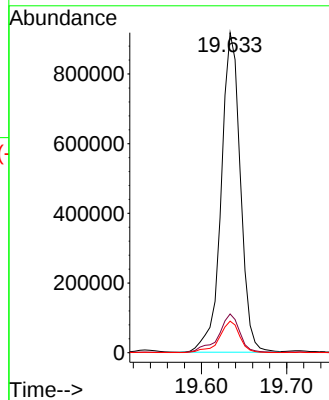
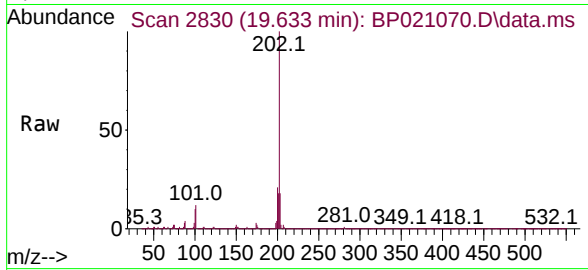
100 9.8 7.8 11.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/19/2024

Supervised By :mohammad ahmed 07/20/2024



#85

Benzo(a)anthracene

Concen: 14.607 ng/ul

RT: 21.545 min Scan# 3155

Delta R.T. -0.017 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

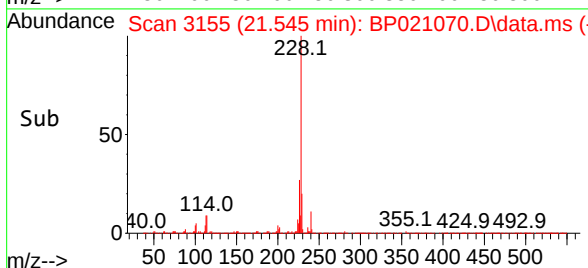
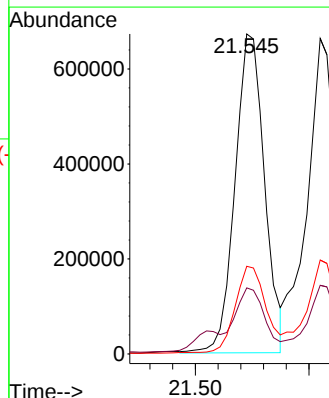
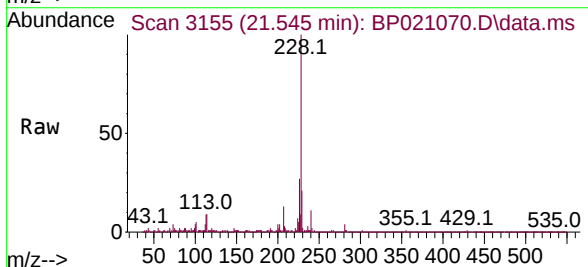
Tgt Ion:228 Resp: 1210230

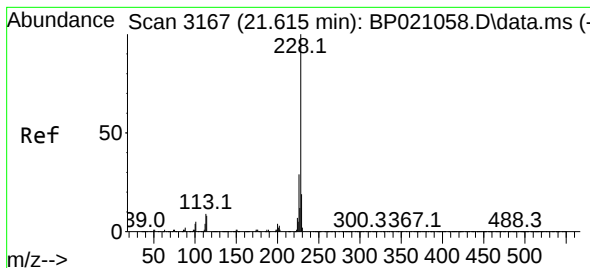
Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

226 27.4 21.4 32.2





#87

Chrysene

Concen: 15.068 ng/ul

RT: 21.610 min Scan# 3167

Delta R.T. -0.017 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

Instrument :

BNA_P

ClientSampleId :

A4C02DL

Tgt Ion:228 Resp: 116004

Ion Ratio Lower Upper

228 100

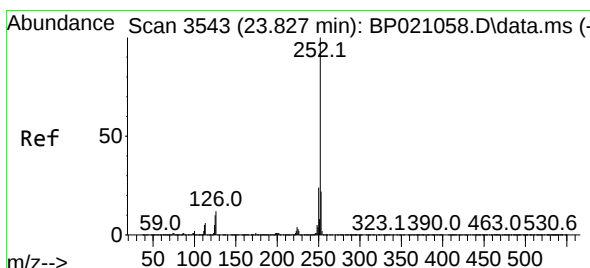
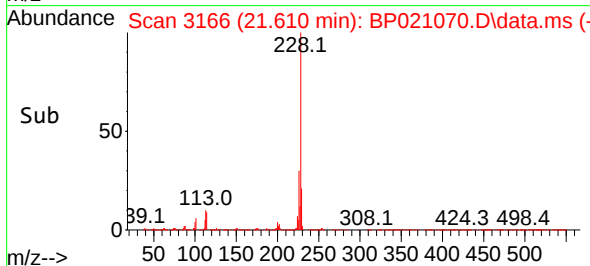
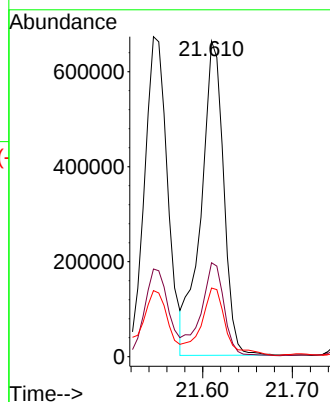
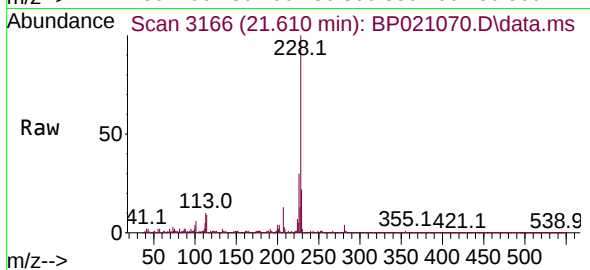
226 29.7 23.6 35.4

229 21.7 15.5 23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#90

Benzo(b)fluoranthene

Concen: 16.861 ng/ul

RT: 23.827 min Scan# 3543

Delta R.T. -0.023 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

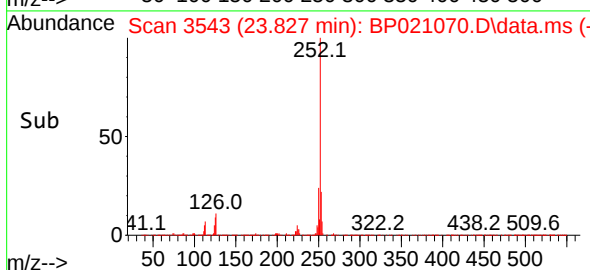
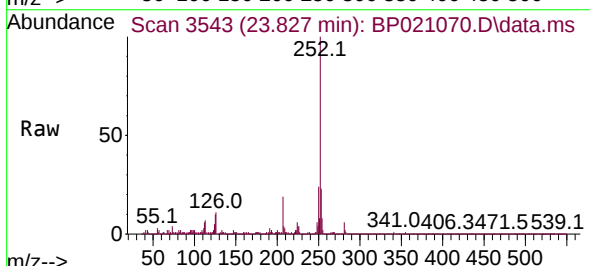
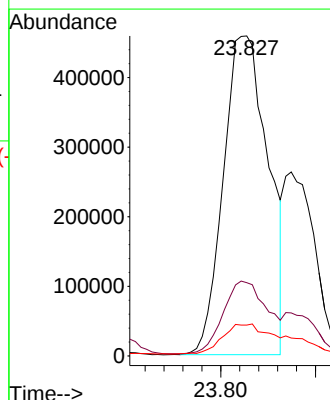
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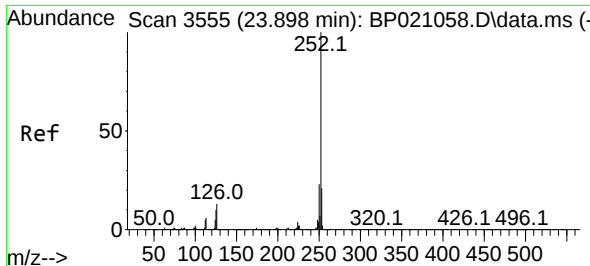
Ion Ratio Lower Upper

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253 22.9 17.1 25.7

125 9.6 7.0 10.4





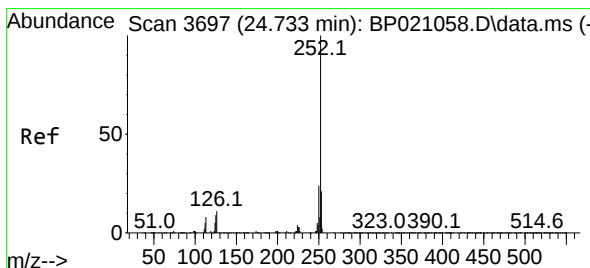
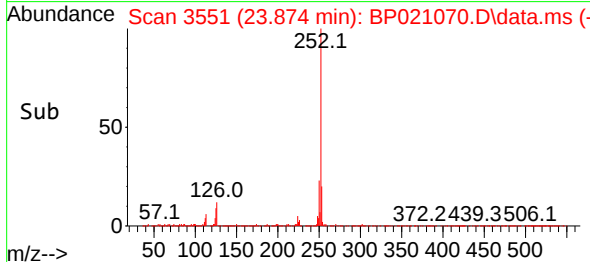
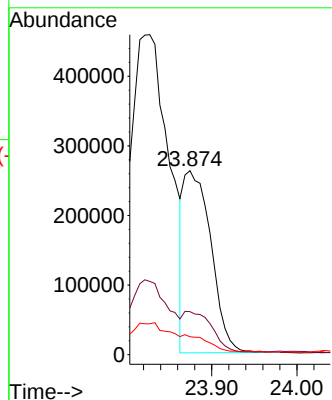
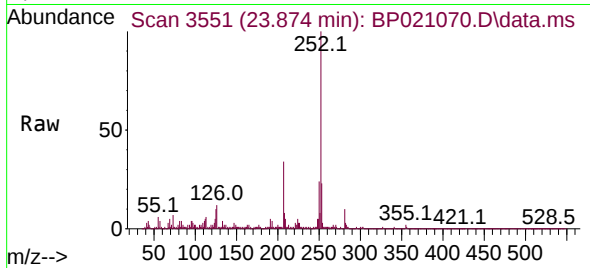
#91
Benzo(k)fluoranthene
Concen: 6.527 ng/ul
RT: 23.874 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Instrument :
BNA_P
ClientSampleId :
A4C02DL

Tgt Ion:252 Resp: 581664
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.8 7.4 11.0

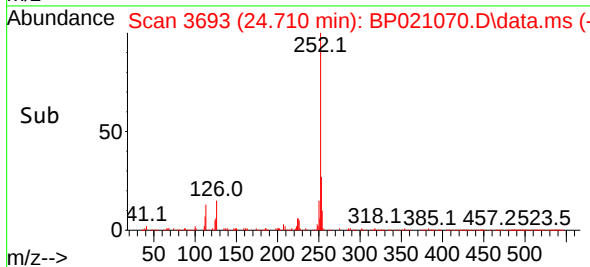
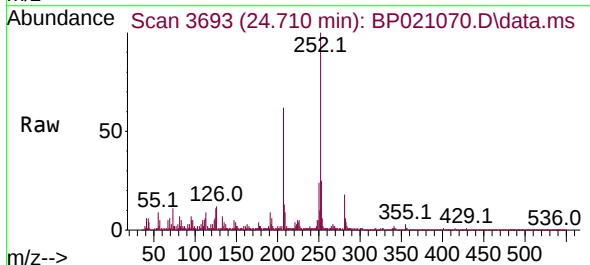
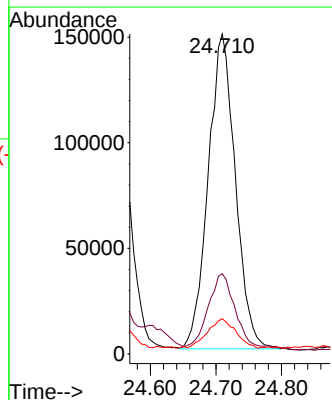
Manual Integrations
APPROVED

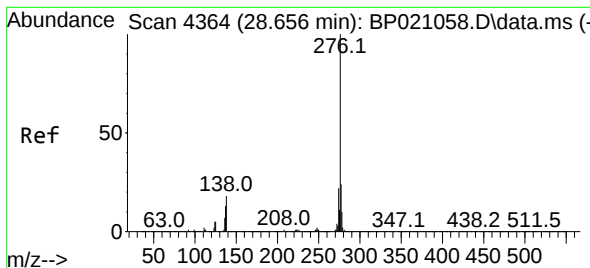
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#93
Benzo(a)pyrene
Concen: 5.075 ng/ul
RT: 24.710 min Scan# 3693
Delta R.T. -0.053 min
Lab File: BP021070.D
Acq: 19 Jul 2024 08:35

Tgt Ion:252 Resp: 428301
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 11.0 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.140 ng/ul

RT: 28.645 min Scan# 4364

Delta R.T. -0.059 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

Instrument :

BNA_P

ClientSampleId :

A4C02DL

Tgt Ion:276 Resp: 450230

Ion Ratio Lower Upper

276 100

138 18.5 14.3 21.5

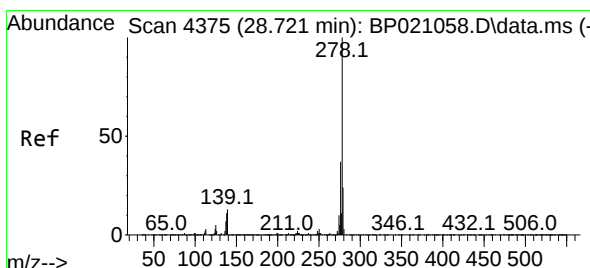
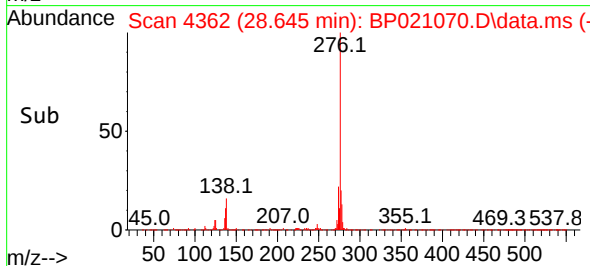
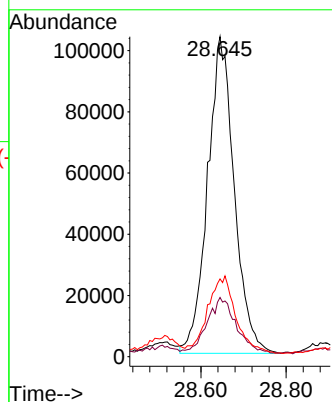
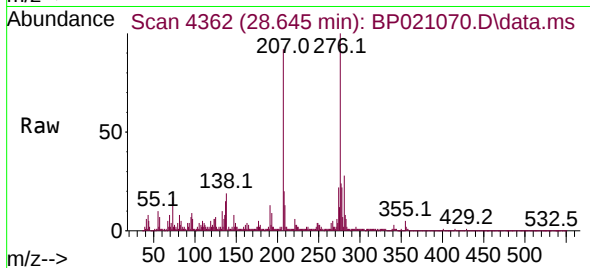
277 24.3 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024

Supervised By :mohammad ahmed 07/20/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.305 ng/ul m

RT: 28.698 min Scan# 4371

Delta R.T. -0.041 min

Lab File: BP021070.D

Acq: 19 Jul 2024 08:35

Tgt Ion:278 Resp: 207573

Ion Ratio Lower Upper

278 100

139 16.0 10.9 16.3

279 32.2 19.4 29.0#

