

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071524\
 Data File : BP020993.D
 Acq On : 16 Jul 2024 16:32
 Operator : MA/JU
 Sample : P3178-17
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BY5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 16 23:26:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 15 12:22:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	140576	20.000	ng/u1	0.00
20) Naphthalene-d8	10.457	136	539436	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.310	164	353506	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.128	188	777789	20.000	ng/u1	0.01
79) Chrysene-d12	21.569	240	772080	20.000	ng/u1	0.02
88) Perylene-d12	24.868	264	946237	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	10681	3.458	ng/uL	0.00
4) Pyridine-d5	3.664	84	140449	15.704	ng/u1	0.01
7) Phenol-d5	6.893	99	226728	19.783	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	135916	19.569	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	192729	20.410	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	192265	20.199	ng/u1	0.02
21) Nitrobenzene-d5	8.852	128	90051	21.493	ng/u1	0.02
24) 2-Nitrophenol-d4	9.552	143	102556	21.386	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.099	165	187139	21.581	ng/u1	0.01
31) 4-Chloroaniline-d4	10.604	131	245261	21.350	ng/u1	0.02
46) Dimethylphthalate-d6	13.710	166	625773	24.351	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	699180	24.231	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	75754m	20.719	ng/u1	0.02
60) Fluorene-d10	15.316	176	547775	25.983	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.475	200	71392	15.170	ng/u1	0.01
73) Anthracene-d10	17.228	188	853591	24.709	ng/u1	0.00
81) Pyrene-d10	19.616	212	1061814	22.245	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.639	264	1155162	24.753	ng/u1	0.04
Target Compounds						Qvalue
30) Naphthalene	10.504	128	78372	2.762	ng/u1#	97
36) 2-Methylnaphthalene	12.110	142	26266	1.349	ng/u1	98
37) 1-Methylnaphthalene	12.340	142	21612	1.079	ng/u1#	100
52) Acenaphthene	14.369	153	79212	3.653	ng/u1	100
56) Dibenzofuran	14.710	168	81834	2.756	ng/u1	99
61) Fluorene	15.381	166	81900	3.380	ng/u1	98
72) Phenanthrene	17.169	178	1479449	36.667	ng/u1	100
74) Anthracene	17.257	178	331300	8.054	ng/u1	99
77) Carbazole	17.563	167	118822	3.534	ng/u1	99
80) Fluoranthene	19.263	202	1667038	28.919	ng/u1	98
82) Pyrene	19.645	202	1527522	26.041	ng/u1	99
85) Benzo(a)anthracene	21.551	228	737692	13.640	ng/u1	99
87) Chrysene	21.616	228	637742	12.690	ng/u1	97
90) Benzo(b)fluoranthene	23.821	252	764329	13.311	ng/u1	96
91) Benzo(k)fluoranthene	23.880	252	225392m	3.933	ng/u1	
93) Benzo(a)pyrene	24.710	252	552538	10.183	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.615	276	343741	4.916	ng/u1	100
95) Dibenzo(a,h)anthracene	28.662	278	89247m	1.541	ng/u1	
96) Benzo(g,h,i)perylene	29.786	276	329471m	5.786	ng/u1	

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

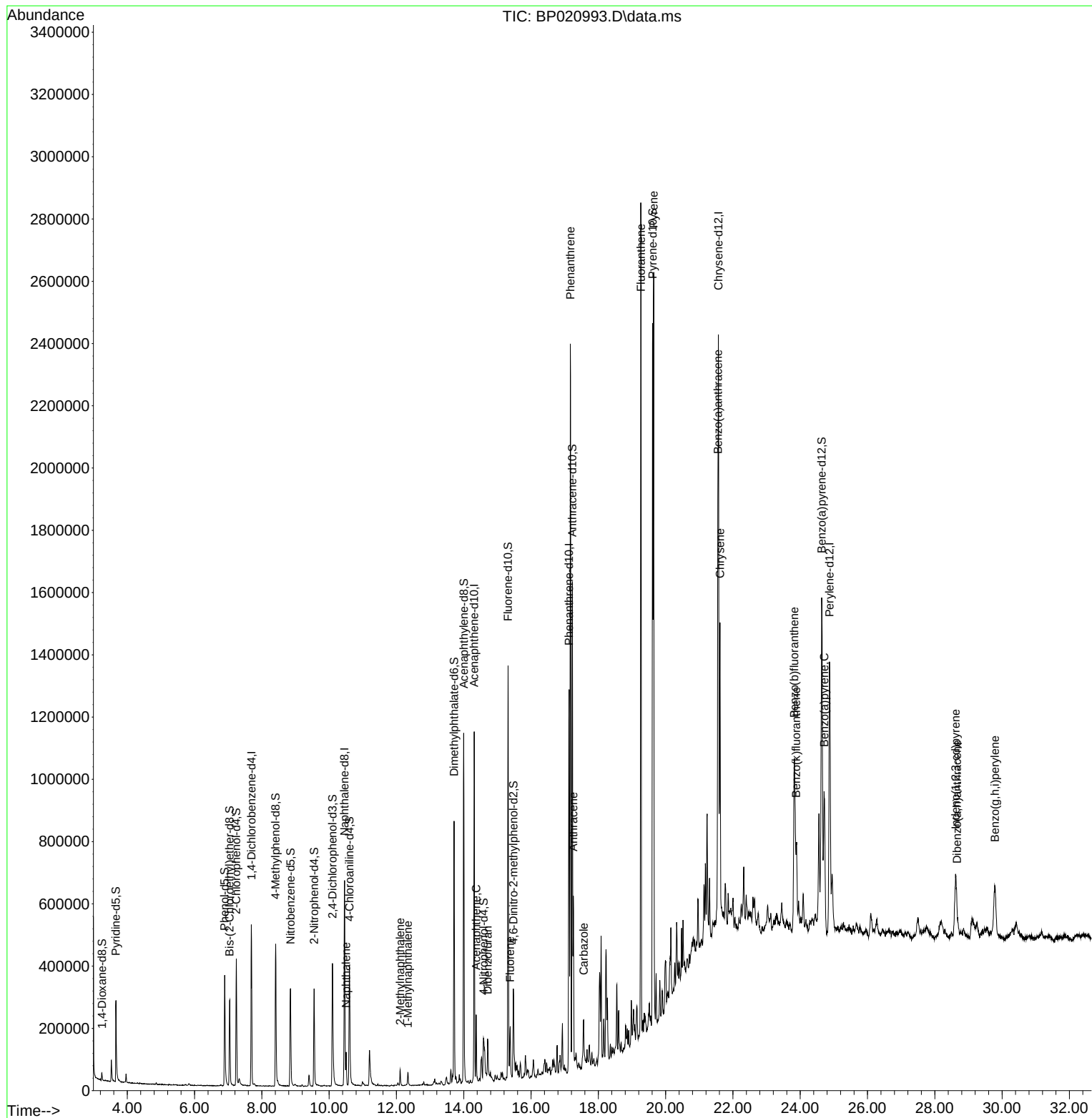
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071524\
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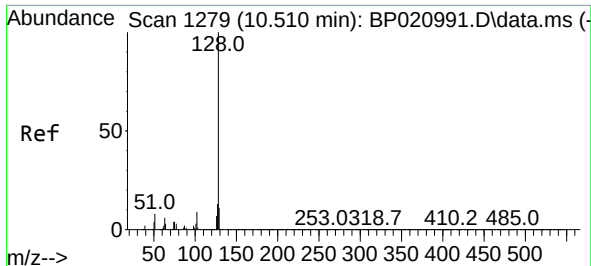
Instrument :
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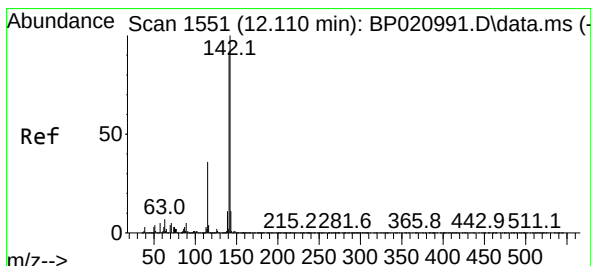
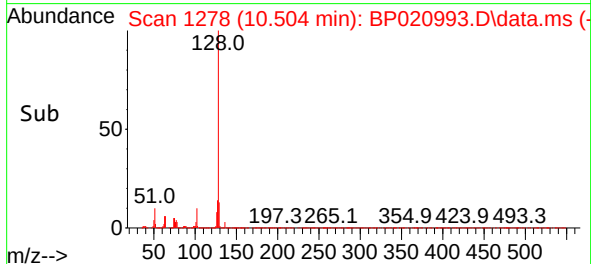
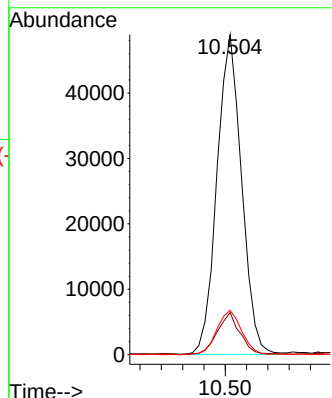
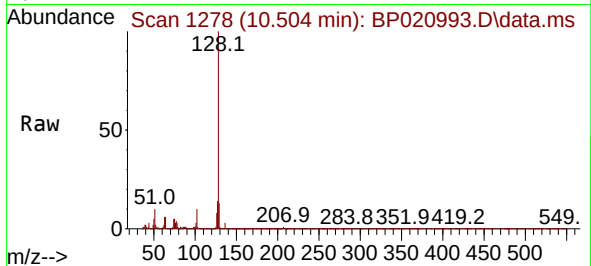
#30
Naphthalene
Concen: 2.762 ng/ul
RT: 10.504 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

Instrument :
BNA_P
ClientSampleId :
A4BY5

Tgt Ion:128 Resp: 78372
Ion Ratio Lower Upper
128 100
129 13.1 8.6 13.0
127 13.8 10.8 16.2

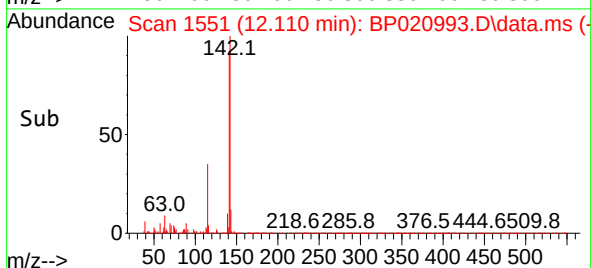
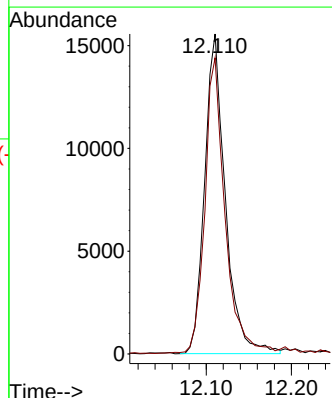
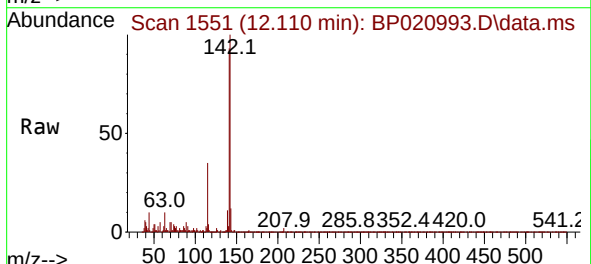
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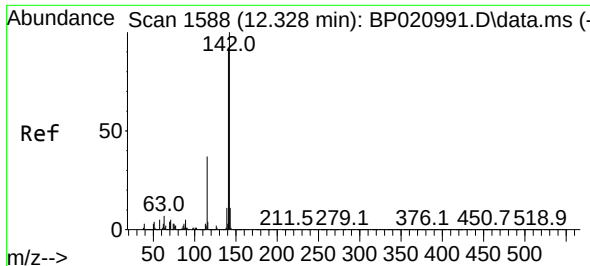
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#36
2-Methylnaphthalene
Concen: 1.349 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

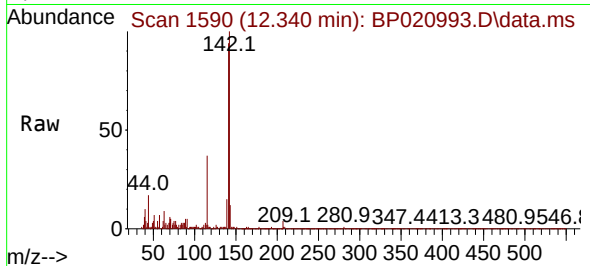
Tgt Ion:142 Resp: 26266
Ion Ratio Lower Upper
142 100
141 92.6 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.079 ng/ul
RT: 12.340 min Scan# 1588
Delta R.T. 0.018 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

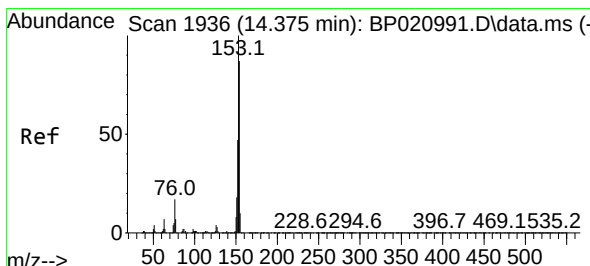
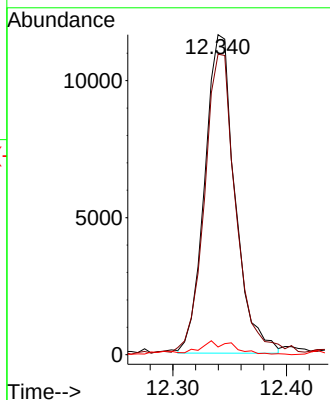
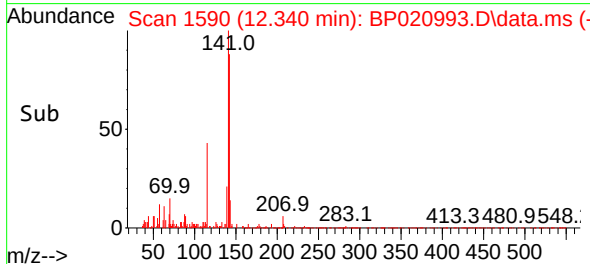
Instrument :
BNA_P
ClientSampleId :
A4BY5



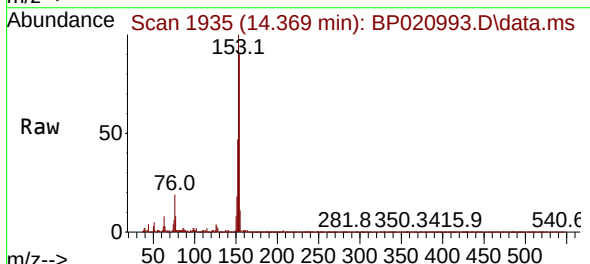
Tgt Ion:142 Resp: 2161
Ion Ratio Lower Upper
142 100
141 93.9 75.0 112.6
116 2.4 3.2 4.8

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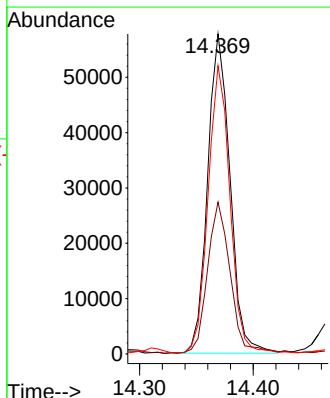
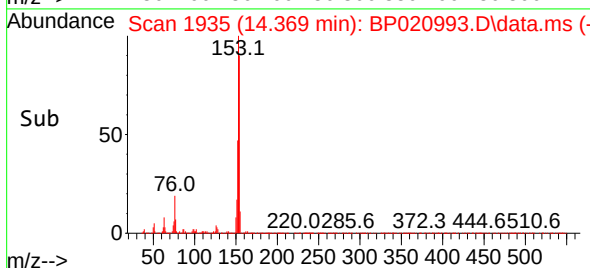
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

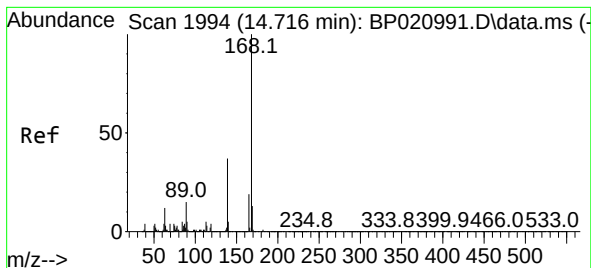


#52
Acenaphthene
Concen: 3.653 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32



Tgt Ion:153 Resp: 79212
Ion Ratio Lower Upper
153 100
152 47.5 37.8 56.6
154 90.1 71.8 107.6





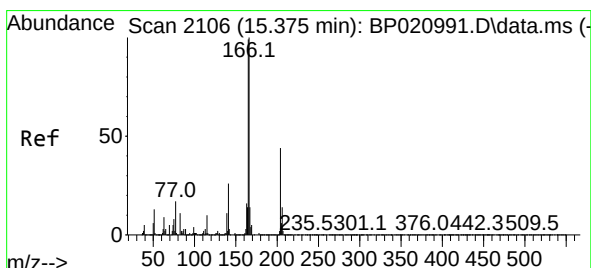
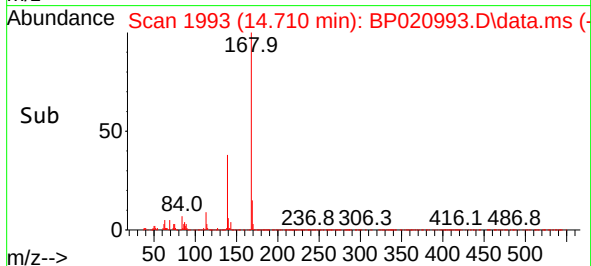
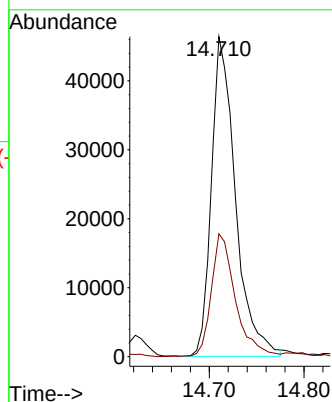
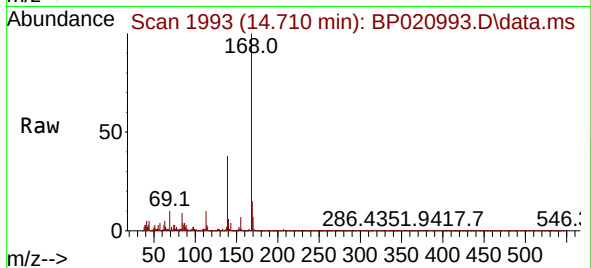
#56
Dibenzenofuran
Concen: 2.756 ng/ul
RT: 14.710 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

Instrument :
BNA_P
ClientSampleId :
A4BY5

Tgt Ion:168 Resp: 81834
Ion Ratio Lower Upper
168 100
139 38.4 31.1 46.7

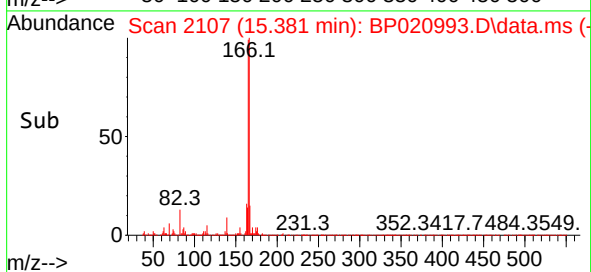
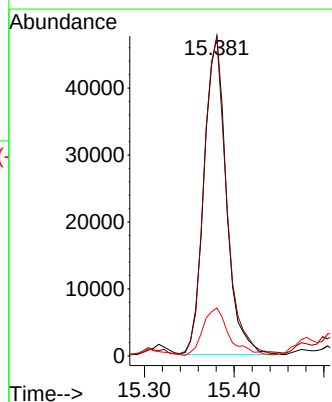
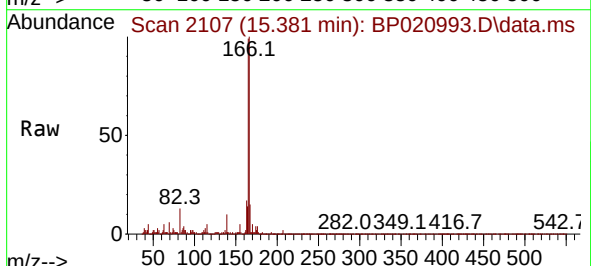
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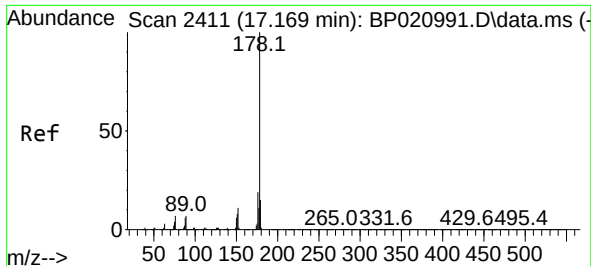
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#61
Fluorene
Concen: 3.380 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

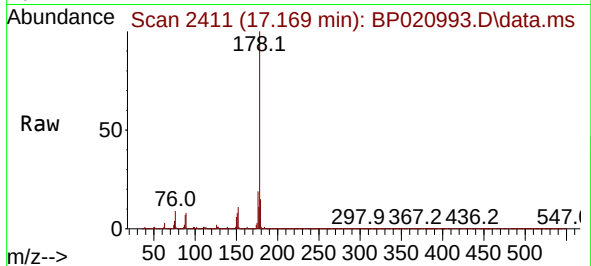
Tgt Ion:166 Resp: 81900
Ion Ratio Lower Upper
166 100
165 99.4 78.1 117.1
167 15.0 10.9 16.3





#72
Phenanthrene
Concen: 36.667 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

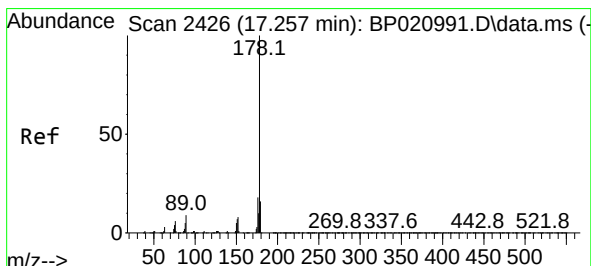
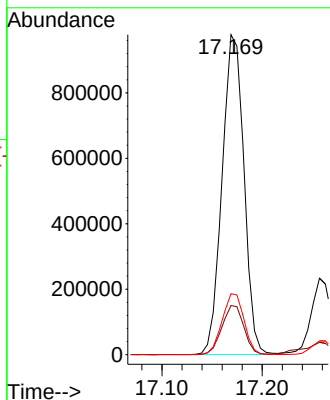
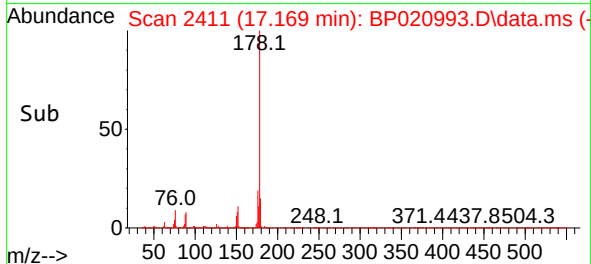
Instrument :
BNA_P
ClientSampleId :
A4BY5



Tgt Ion:178 Resp: 1479449
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.0 15.0 22.4

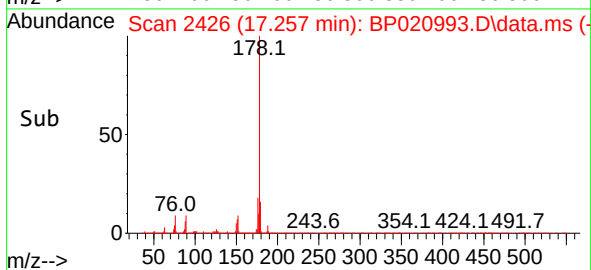
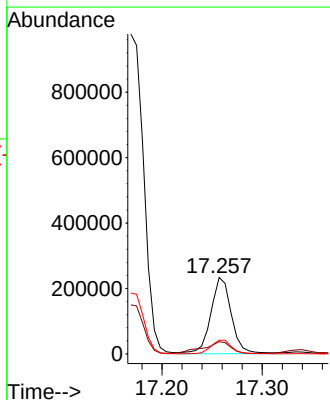
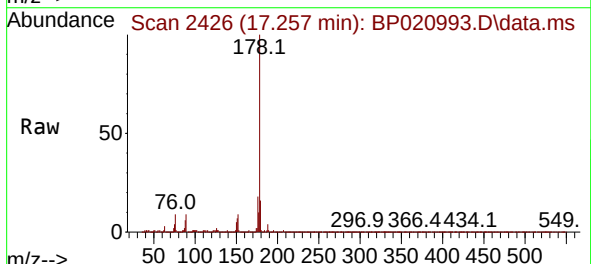
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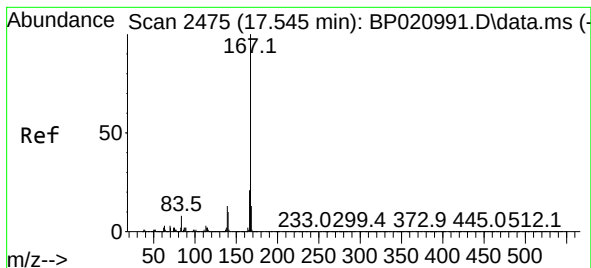
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#74
Anthracene
Concen: 8.054 ng/ul
RT: 17.257 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

Tgt Ion:178 Resp: 331300
Ion Ratio Lower Upper
178 100
179 16.1 12.5 18.7
176 18.0 14.8 22.2





#77

Carbazole

Concen: 3.534 ng/ul

RT: 17.563 min Scan# 2475

Delta R.T. 0.023 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

Instrument :

BNA_P

ClientSampleId :

A4BY5

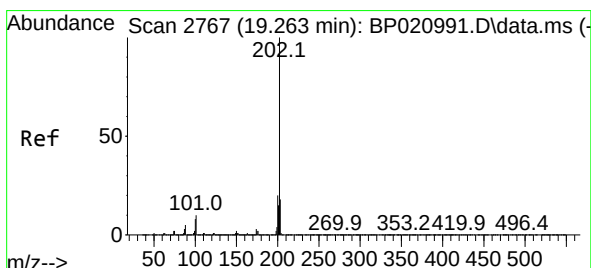
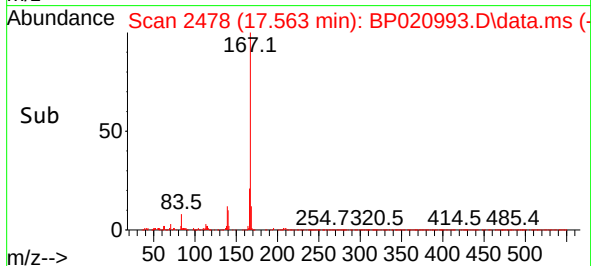
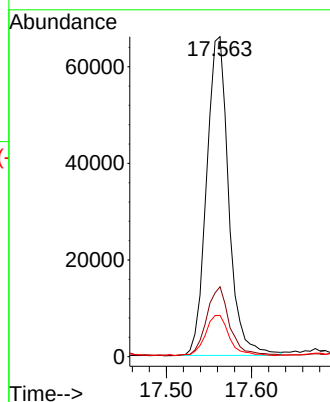
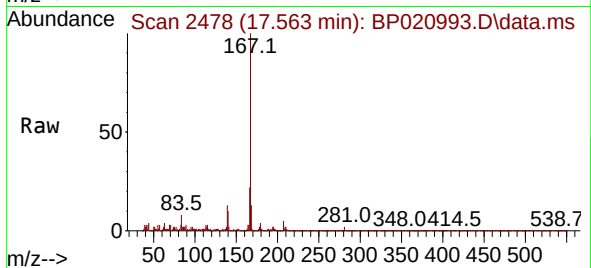
Tgt Ion:167	Resp: 11882
Ion Ratio	Lower Upper
167 100	
166 21.9	17.3 25.9
139 12.9	10.2 15.2

Manual Integrations

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#80

Fluoranthene

Concen: 28.919 ng/ul

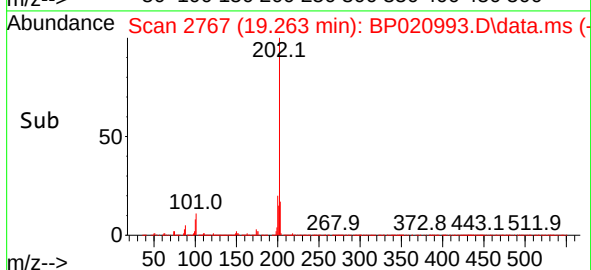
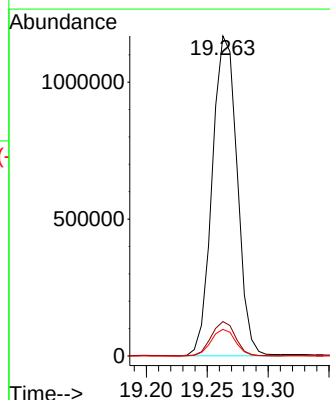
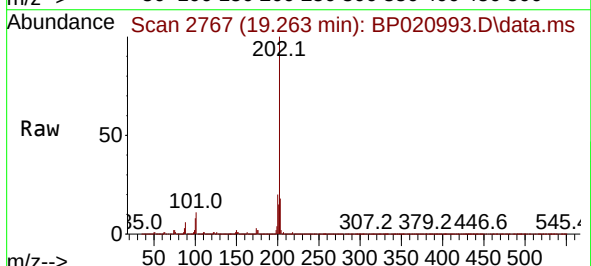
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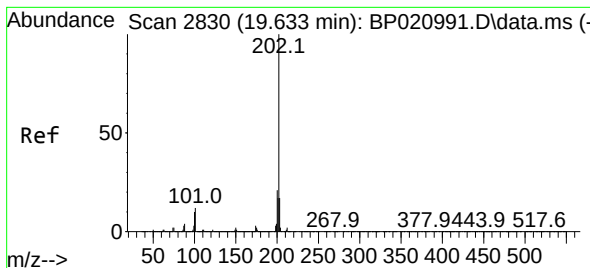
Delta R.T. 0.012 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

Tgt Ion:202	Resp: 1667038
Ion Ratio	Lower Upper
202 100	
101 10.8	8.0 12.0
100 8.3	6.1 9.1





#82

Pyrene

Concen: 26.041 ng/ul

RT: 19.645 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP020993.D

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ClientSampleId :

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Tgt Ion:202 Resp: 152752

Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

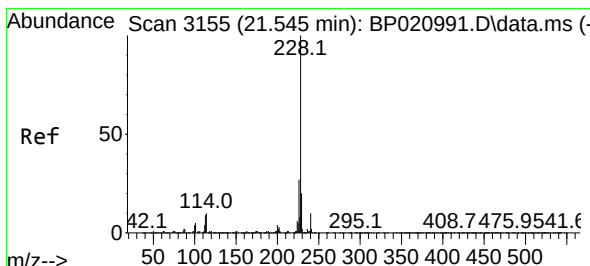
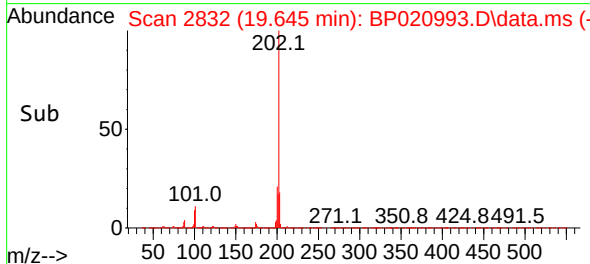
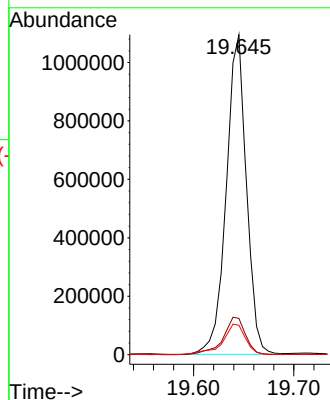
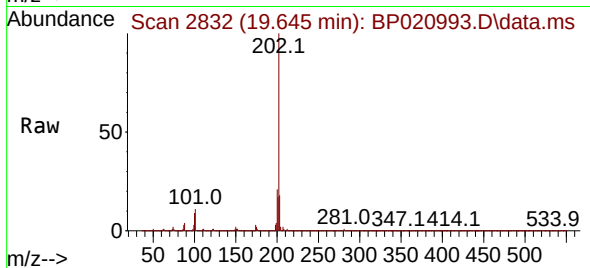
100 9.2 7.8 11.6

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Supervised By :mohammad ahmed 07/18/2024



#85

Benzo(a)anthracene

Concen: 13.640 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. 0.018 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

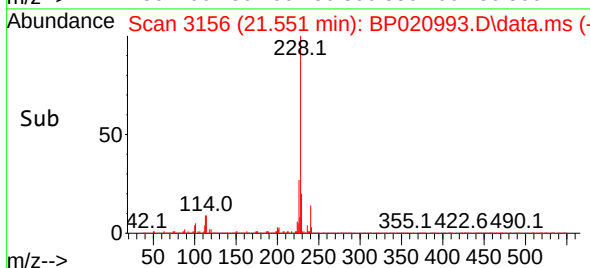
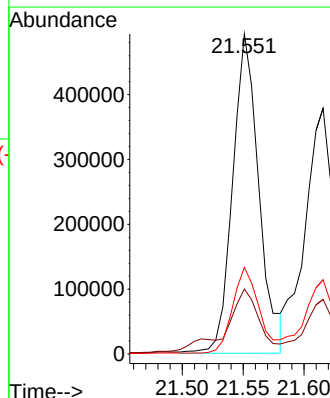
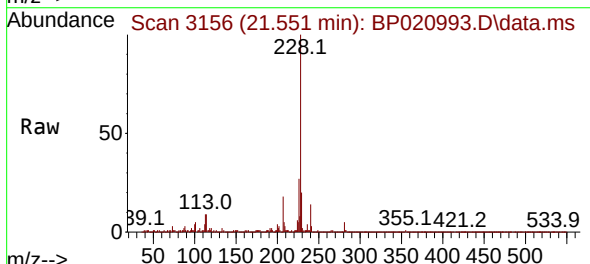
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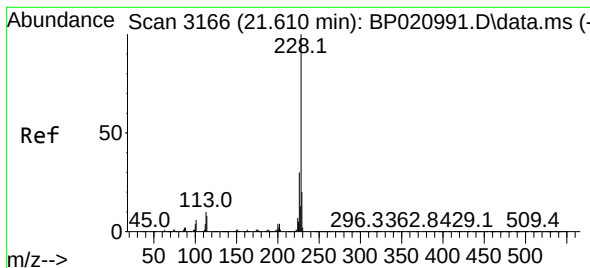
Ion Ratio Lower Upper

228 100

229 20.3 15.5 23.3

226 27.0 21.4 32.2





#87

Chrysene

Concen: 12.690 ng/ul

RT: 21.616 min Scan# 3166

Delta R.T. 0.018 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

Instrument :

BNA_P

ClientSampleId :

A4BY5

Tgt Ion:228 Resp: 63774

Ion Ratio Lower Upper

228 100

226 30.2 23.6 35.4

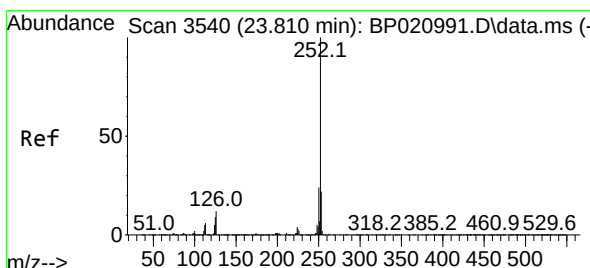
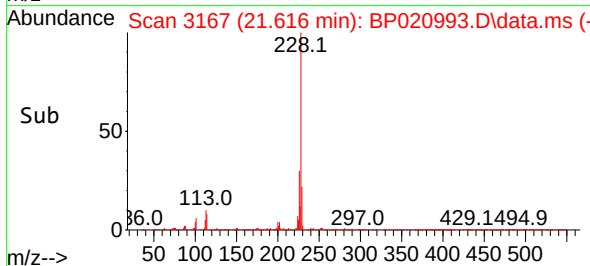
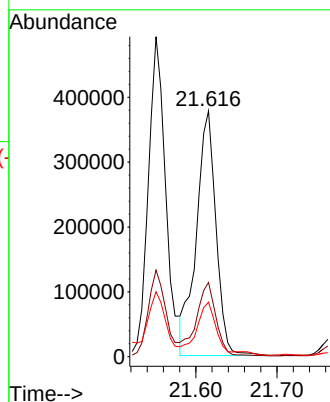
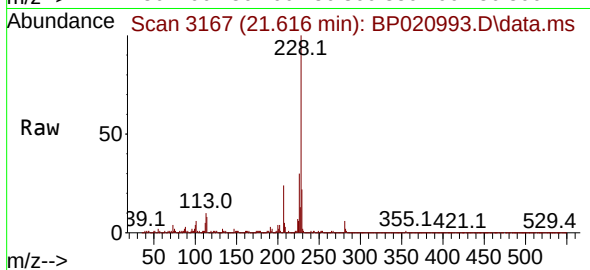
229 22.2 15.5 23.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#90

Benzo(b)fluoranthene

Concen: 13.311 ng/ul

RT: 23.821 min Scan# 3542

Delta R.T. 0.041 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

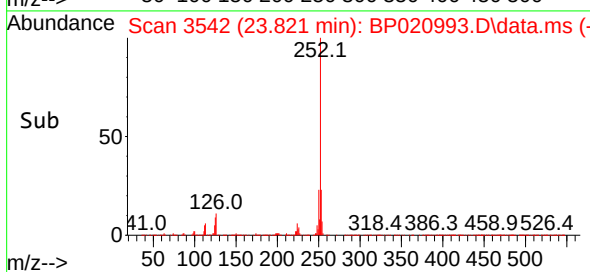
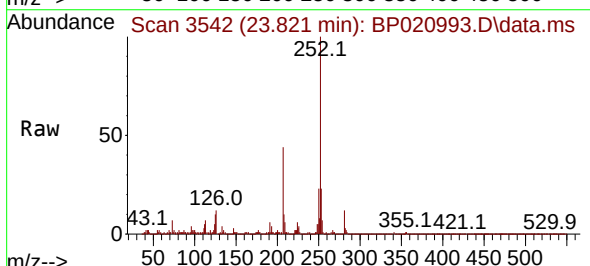
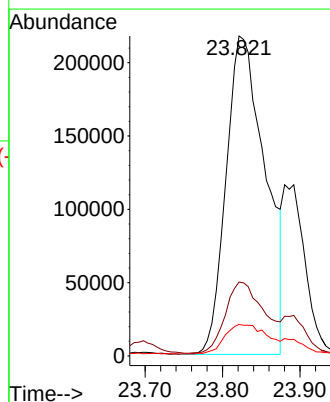
Tgt Ion:252 Resp: 764329

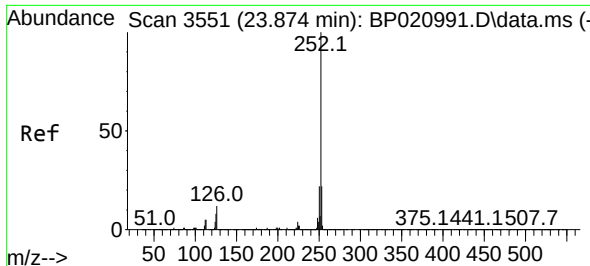
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

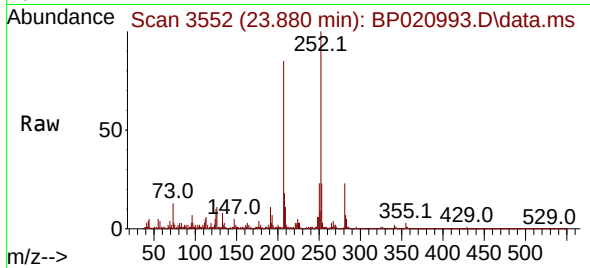
125 9.9 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 3.933 ng/ul m
RT: 23.880 min Scan# 3551
Delta R.T. 0.029 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

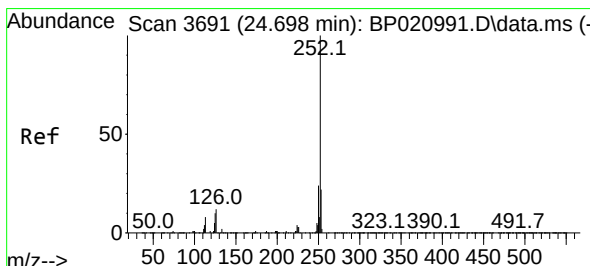
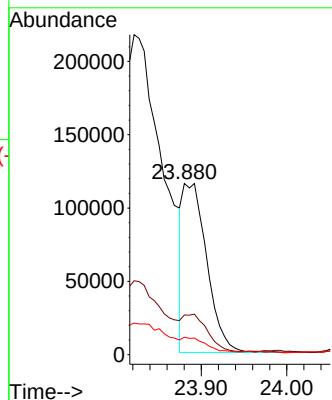
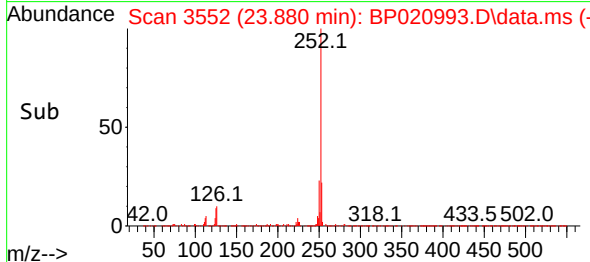
Instrument :
BNA_P
ClientSampleId :
A4BY5



Tgt Ion:252 Resp: 225392
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 10.2 7.4 11.0

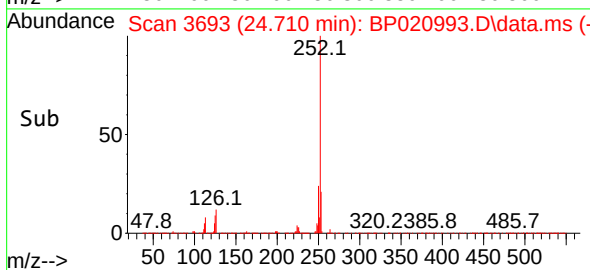
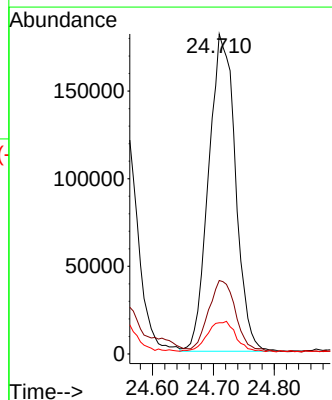
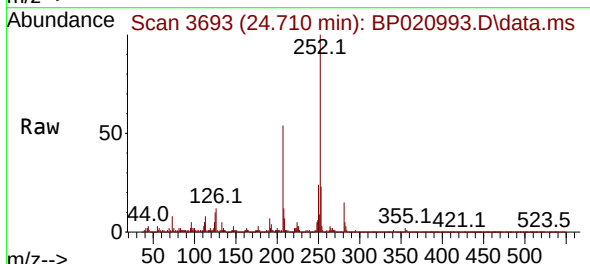
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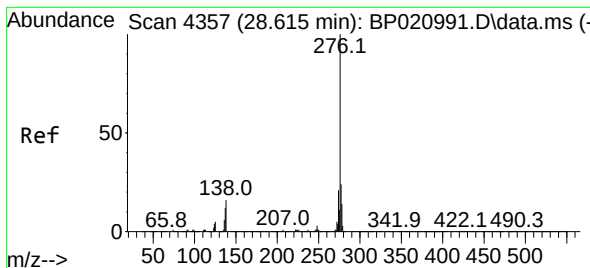
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#93
Benzo(a)pyrene
Concen: 10.183 ng/ul
RT: 24.710 min Scan# 3693
Delta R.T. 0.041 min
Lab File: BP020993.D
Acq: 16 Jul 2024 16:32

Tgt Ion:252 Resp: 552538
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.7 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.916 ng/ul

RT: 28.615 min Scan# 4357

Delta R.T. 0.041 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

Instrument :

BNA_P

ClientSampleId :

A4BY5

Tgt Ion:276 Resp: 34374

Ion Ratio Lower Upper

276 100

138 17.7 14.3 21.5

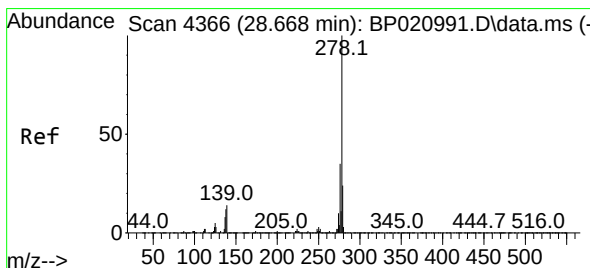
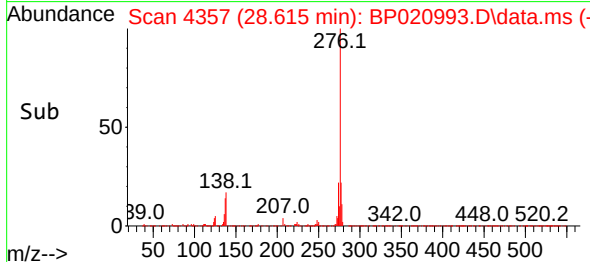
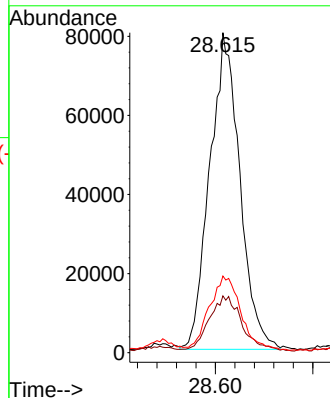
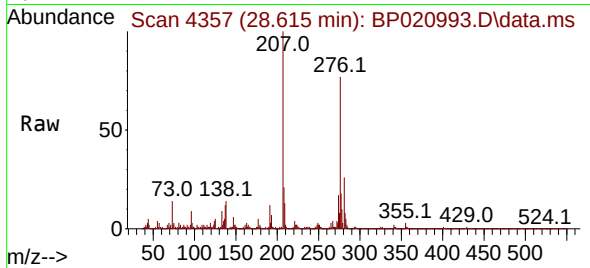
277 23.9 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.541 ng/ul m

RT: 28.662 min Scan# 4365

Delta R.T. 0.029 min

Lab File: BP020993.D

Acq: 16 Jul 2024 16:32

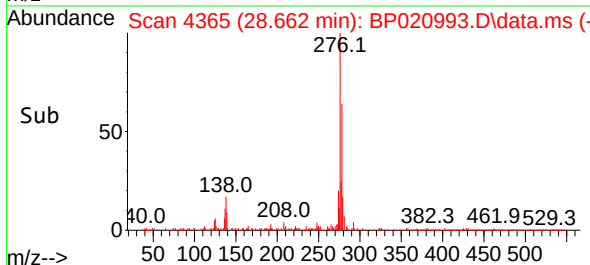
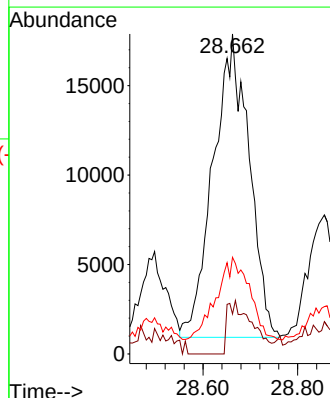
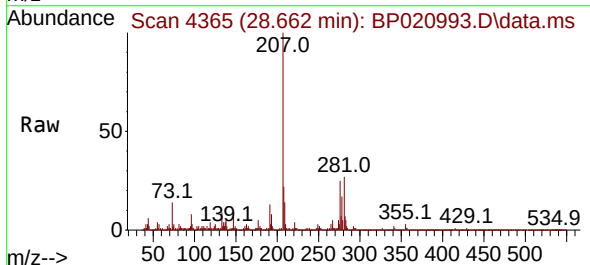
Tgt Ion:278 Resp: 89247

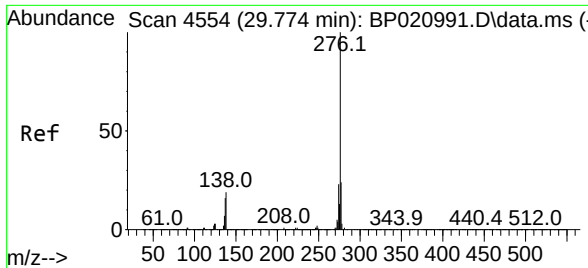
Ion Ratio Lower Upper

278 100

139 12.5 10.9 16.3

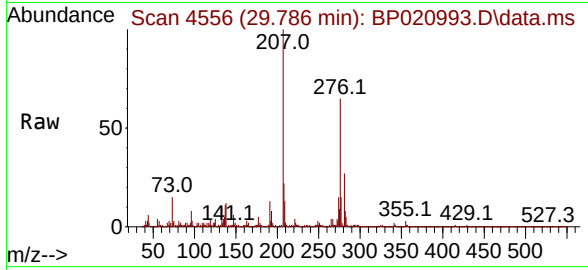
279 30.2 19.4 29.0#





#96
 Benzo(g,h,i)perylene
 Concen: 5.786 ng/ul m
 RT: 29.786 min Scan# 4
 Delta R.T. 0.059 min
 Lab File: BP020993.D
 Acq: 16 Jul 2024 16:32

Instrument :
 BNA_P
 ClientSampleId :
 A4BY5



Tgt Ion:276 Resp: 32947
 Ion Ratio Lower Upper
 276 100
 138 17.8 15.3 22.9
 277 23.2 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

