

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021427.D
 Acq On : 07 Aug 2024 20:17
 Operator : CG/JU
 Sample : P3437-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 07 23:17:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	150692	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.375	136	633487	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.251	164	429872	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.080	188	943290	20.000	ng/u1	-0.01
79) Chrysene-d12	21.533	240	834378	20.000	ng/u1	# 0.00
88) Perylene-d12	24.815	264	1078586	20.000	ng/u1	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	14366	4.338	ng/uL	-0.02
4) Pyridine-d5	3.593	84	64206	6.697	ng/u1	0.00
7) Phenol-d5	6.875	99	69267	5.638	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	6.975	67	120392	16.170	ng/u1	0.00
11) 2-Chlorophenol-d4	7.181	132	170717	16.866	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	142858	14.001	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	70994	14.429	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	78488	13.937	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.075	165	137585	13.511	ng/u1	0.02
31) 4-Chloroaniline-d4	10.563	131	271708	20.141	ng/u1	0.00
46) Dimethylphthalate-d6	13.675	166	542343	17.355	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	583938	16.642	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.663	143	34574m	7.776	ng/u1	0.08
60) Fluorene-d10	15.275	176	473270	18.461	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.498	200	45106m	7.903	ng/u1	0.04
73) Anthracene-d10	17.186	188	721287	17.216	ng/u1	0.00
81) Pyrene-d10	19.574	212	848412	16.447	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.598	264	1013234	19.047	ng/u1	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.428	128	7167506	215.099	ng/u1	100
36) 2-Methylnaphthalene	12.045	142	3402545	148.756	ng/u1	99
37) 1-Methylnaphthalene	12.263	142	1652813	70.258	ng/u1	100
43) 1,1'-Biphenyl	13.075	154	1098421	34.964	ng/u1	98
50) Acenaphthylene	13.981	152	283697	7.141	ng/u1#	94
52) Acenaphthene	14.328	153	5778711	219.151	ng/u1	99
56) Dibenzofuran	14.669	168	6209495	171.965	ng/u1	100
61) Fluorene	15.333	166	6831000	231.826	ng/u1	99
72) Phenanthrene	17.127	178	26000432m	531.335	ng/u1	
74) Anthracene	17.222	178	6239577	125.075	ng/u1	99
77) Carbazole	17.510	167	1905085	46.715	ng/u1	99
80) Fluoranthene	19.227	202	21812639m	350.144	ng/u1	
82) Pyrene	19.610	202	20251359m	319.462	ng/u1	
85) Benzo(a)anthracene	21.515	228	12316971	210.732	ng/u1	98
87) Chrysene	21.580	228	8198423m	150.952	ng/u1	
90) Benzo(b)fluoranthene	23.798	252	13442726	205.377	ng/u1	97
91) Benzo(k)fluoranthene	23.845	252	5240399m	80.225	ng/u1	
93) Benzo(a)pyrene	24.686	252	11021362	178.187	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.592	276	7367460m	92.436	ng/u1	
95) Dibenzo(a,h)anthracene	28.621	278	1777408m	26.930	ng/u1	
96) Benzo(g,h,i)perylene	29.774	276	6784733m	104.523	ng/u1	

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

Instrument :
BNA_P
ClientSampleId :
E05Y5

Manual Integrations
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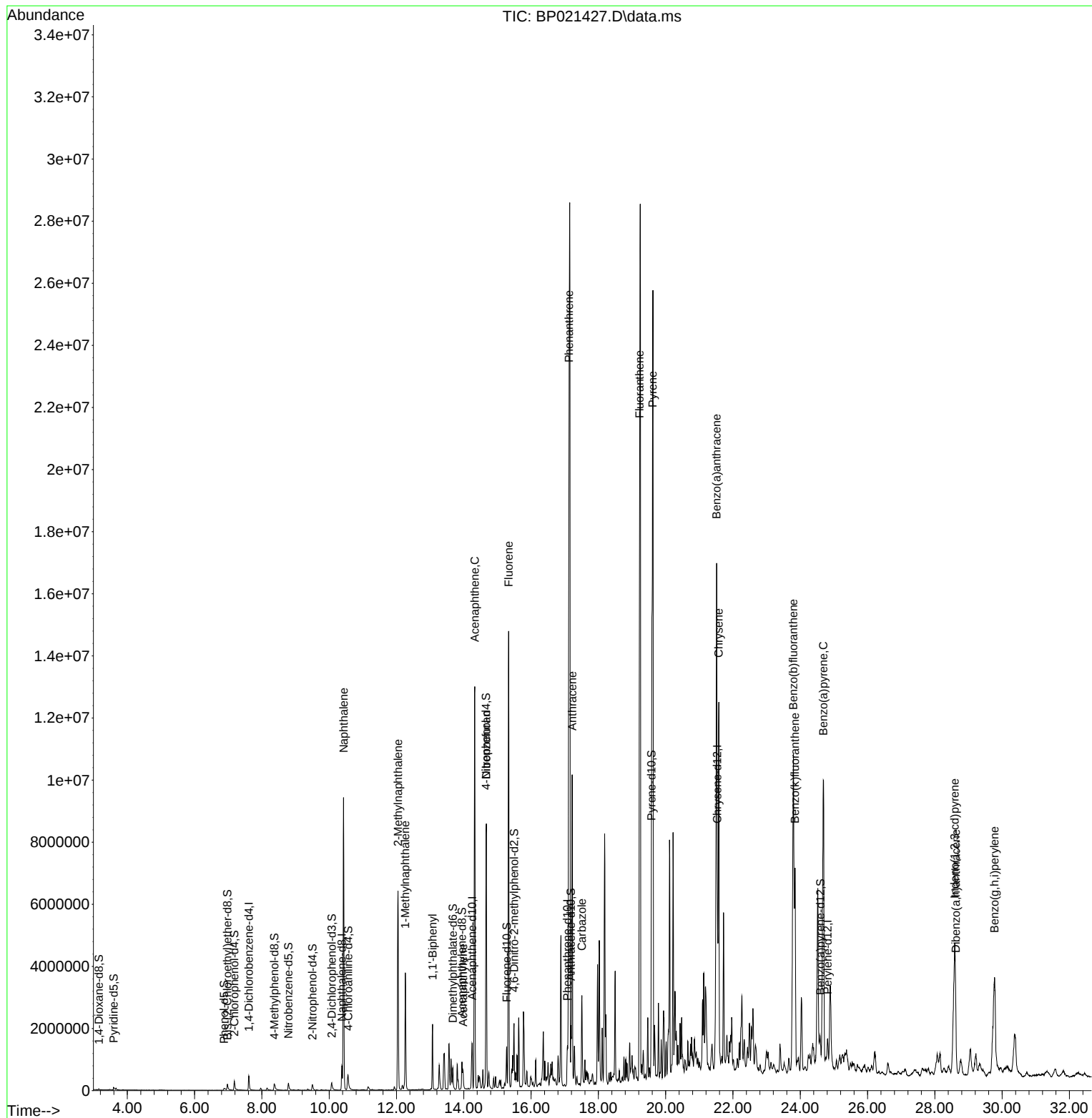
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
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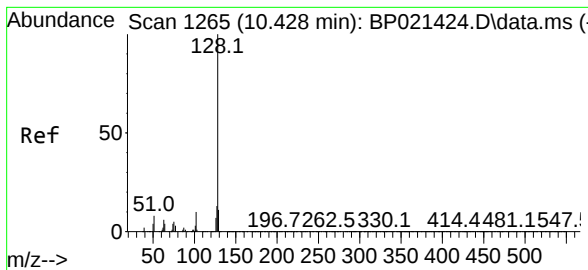
Instrument :
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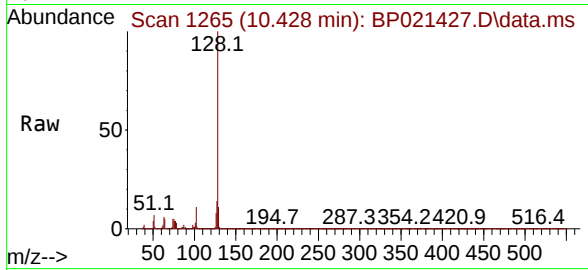
Quant Time: Aug 07 23:17:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration





#30
Naphthalene
Concen: 215.099 ng/ul
RT: 10.428 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

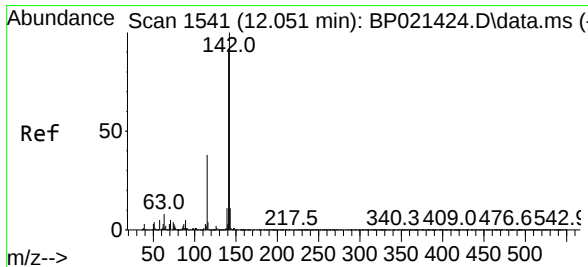
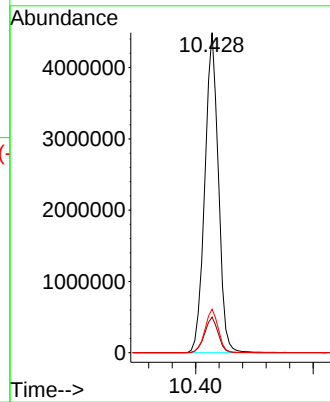
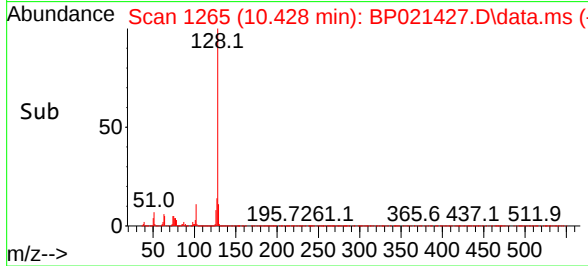
Instrument :
BNA_P
ClientSampleId :
E05Y5



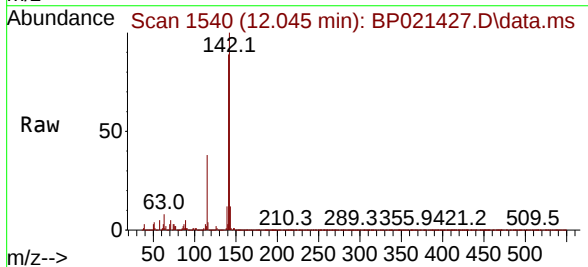
Tgt Ion:128 Resp: 7167500
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.6 10.8 16.2

Manual Integrations
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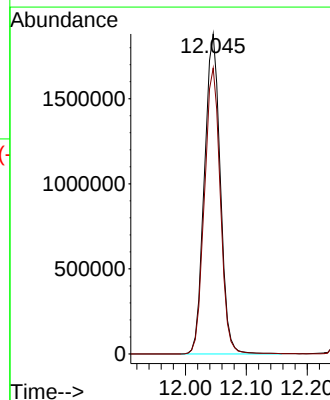
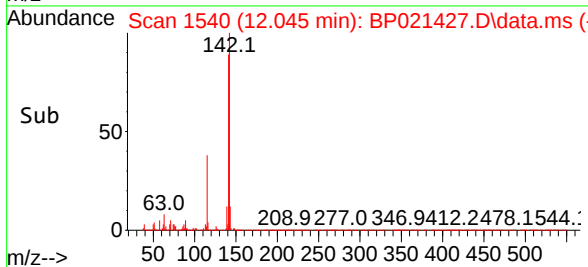
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

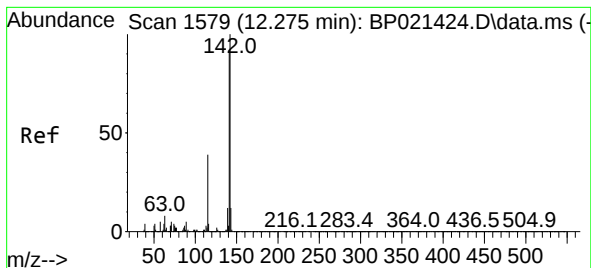


#36
2-Methylnaphthalene
Concen: 148.756 ng/ul
RT: 12.045 min Scan# 1540
Delta R.T. -0.023 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17



Tgt Ion:142 Resp: 3402545
Ion Ratio Lower Upper
142 100
141 89.3 72.6 108.8





#37

1-Methylnaphthalene

Concen: 70.258 ng/ul

RT: 12.263 min Scan# 1577

Delta R.T. -0.029 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

E05Y5

Tgt Ion:142 Resp: 165281

Ion Ratio Lower Upper

142 100

141 93.5 75.0 112.6

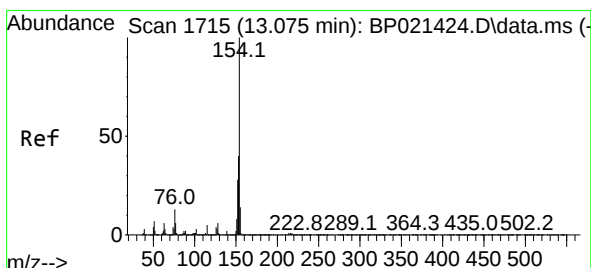
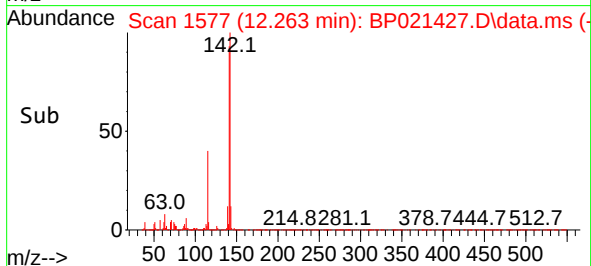
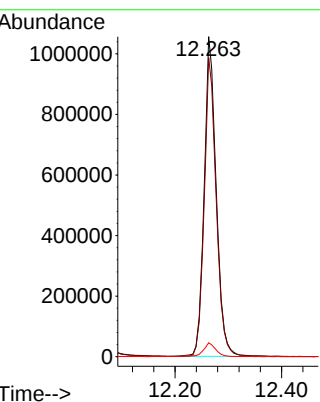
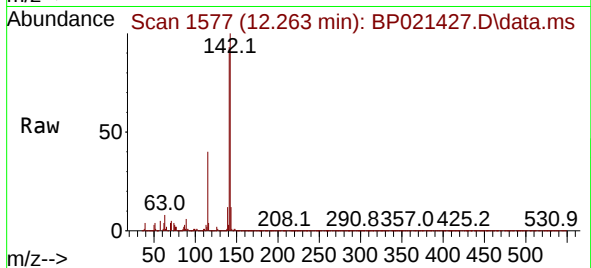
116 4.3 3.2 4.8

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 34.964 ng/ul

RT: 13.075 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

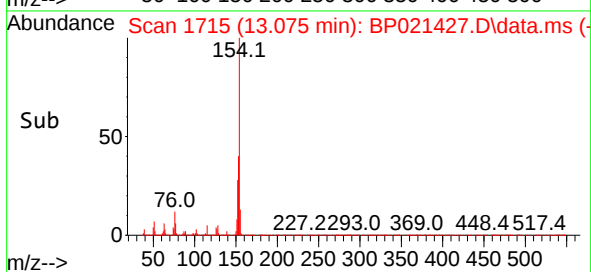
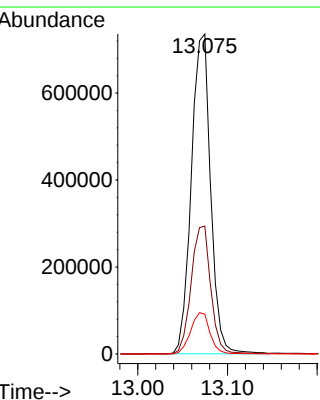
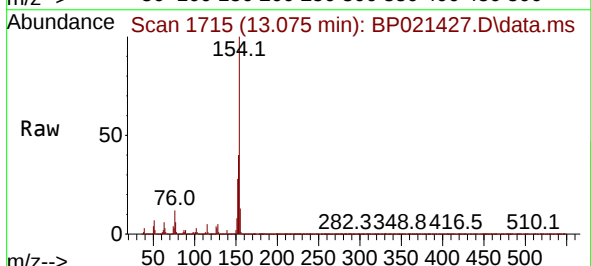
Tgt Ion:154 Resp: 1098421

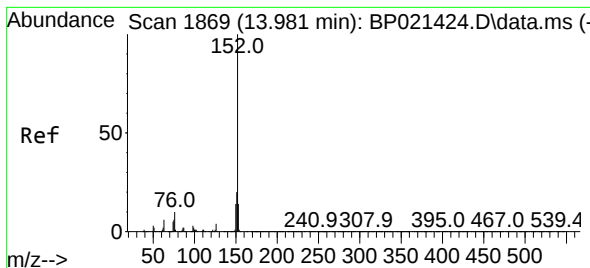
Ion Ratio Lower Upper

154 100

153 40.0 32.7 49.1

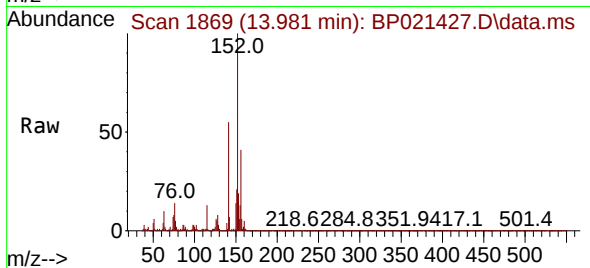
76 12.5 9.4 14.2





#50
Acenaphthylene
Concen: 7.141 ng/ul
RT: 13.981 min Scan# 1869
Delta R.T. -0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

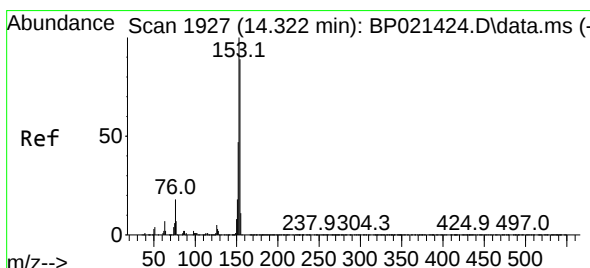
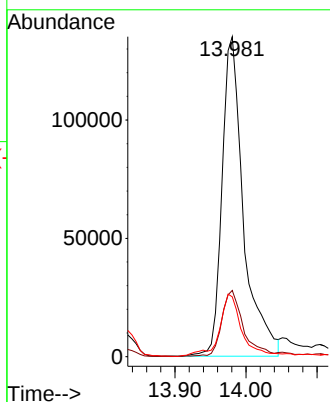
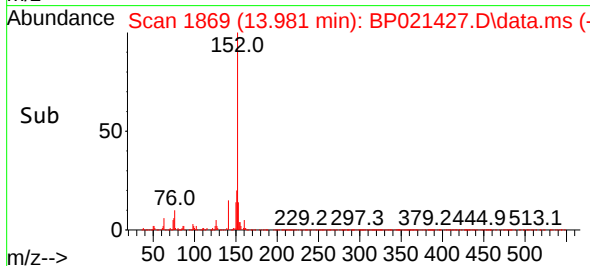
Instrument :
BNA_P
ClientSampleId :
E05Y5



Tgt Ion:152 Resp: 283697
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 18.7 10.3 15.5

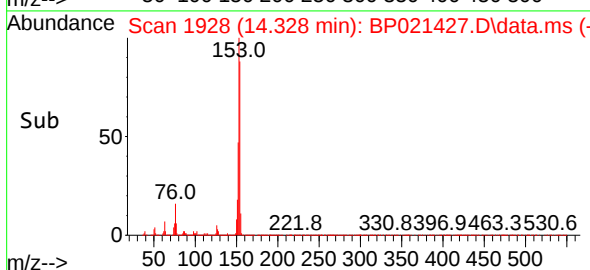
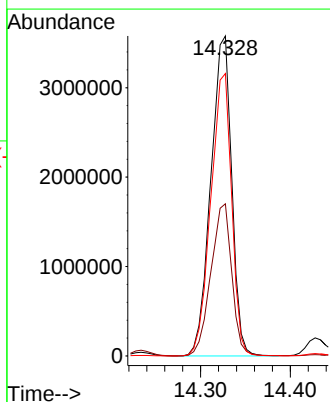
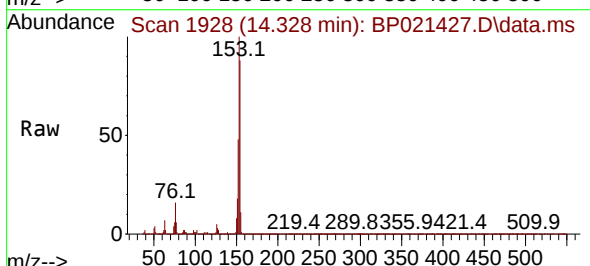
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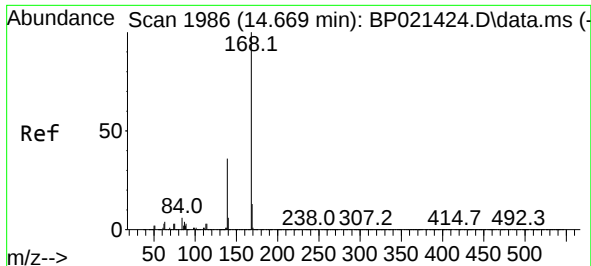
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#52
Acenaphthene
Concen: 219.151 ng/ul
RT: 14.328 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

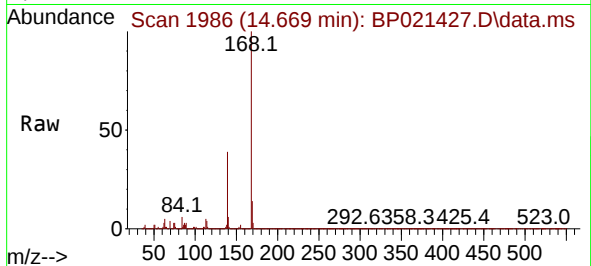
Tgt Ion:153 Resp: 5778711
Ion Ratio Lower Upper
153 100
152 47.5 37.8 56.6
154 88.3 71.8 107.6





#56
Dibenzenofuran
Concen: 171.965 ng/ul
RT: 14.669 min Scan# 1986
Delta R.T. -0.017 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

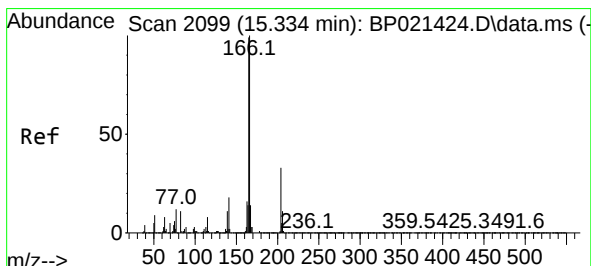
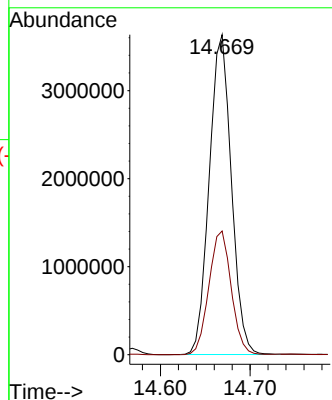
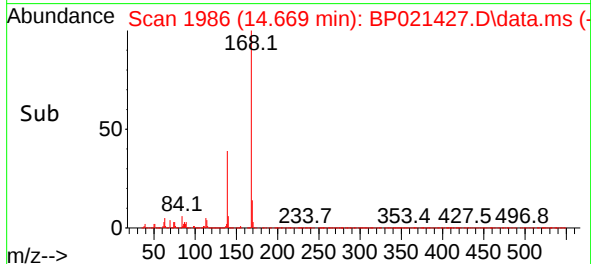
Instrument :
BNA_P
ClientSampleId :
E05Y5



Tgt Ion:168 Resp: 620949
Ion Ratio Lower Upper
168 100
139 38.7 31.1 46.7

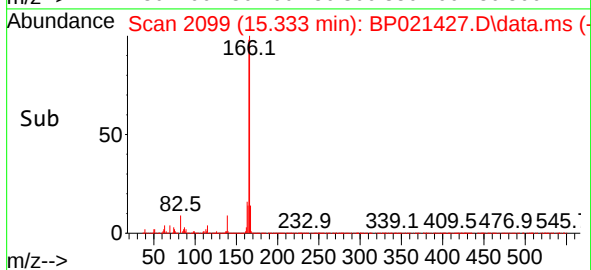
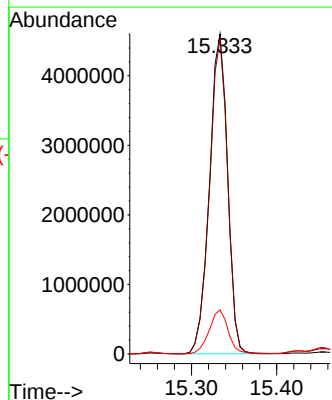
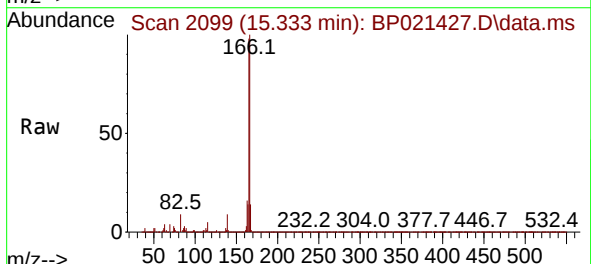
Manual Integrations
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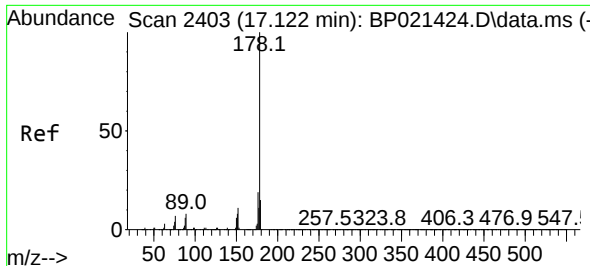
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#61
Fluorene
Concen: 231.826 ng/ul
RT: 15.333 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

Tgt Ion:166 Resp: 6831000
Ion Ratio Lower Upper
166 100
165 98.4 78.1 117.1
167 13.8 10.9 16.3





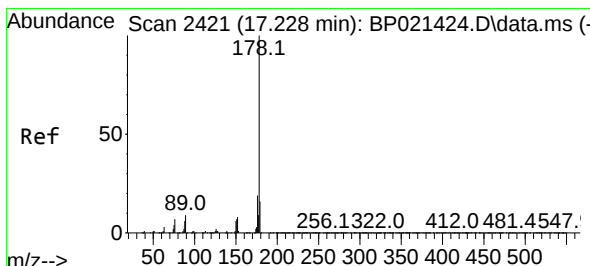
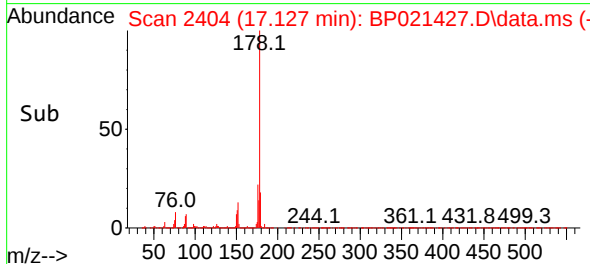
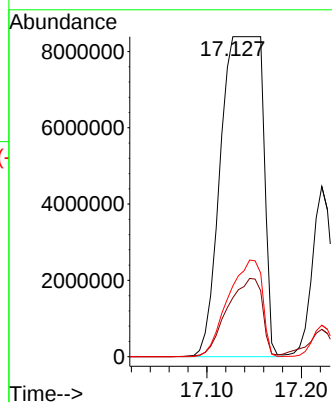
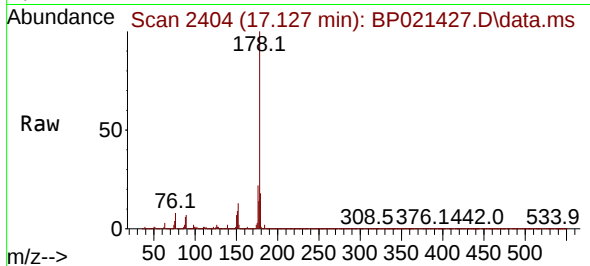
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Phenanthrene
Concen: 531.335 ng/ul m
RT: 17.127 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

Instrument :
BNA_P
ClientSampleId :
E05Y5

Tgt Ion:178 Resp:2600043
Ion Ratio Lower Upper
178 100
179 18.4 12.2 18.4
176 22.1 15.0 22.4

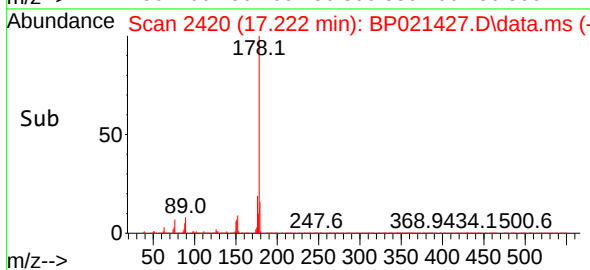
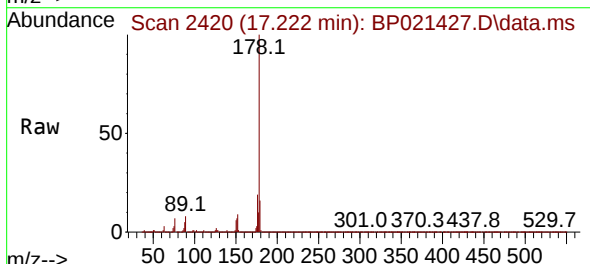
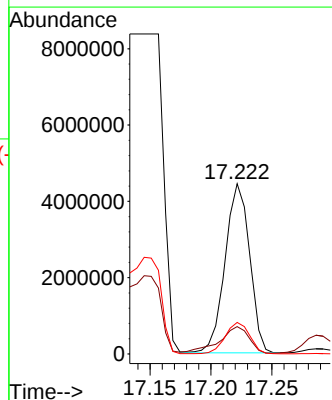
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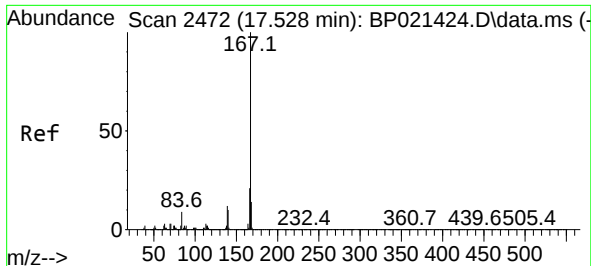
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#74
Anthracene
Concen: 125.075 ng/ul
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

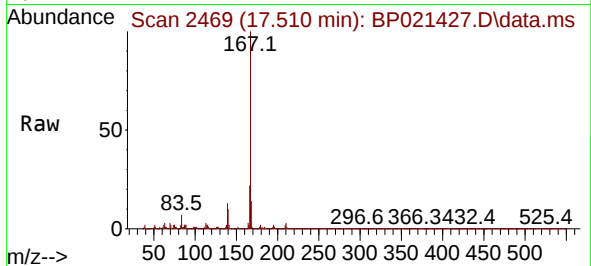
Tgt Ion:178 Resp: 6239577
Ion Ratio Lower Upper
178 100
179 16.1 12.5 18.7
176 18.6 14.8 22.2





#77
 Carbazole
 Concen: 46.715 ng/ul
 RT: 17.510 min Scan# 2472
 Delta R.T. -0.012 min
 Lab File: BP021427.D
 Acq: 07 Aug 2024 20:17

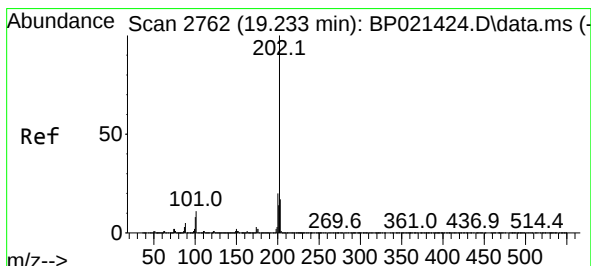
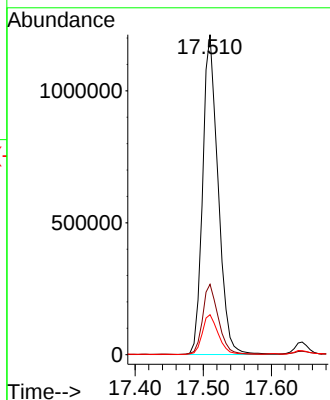
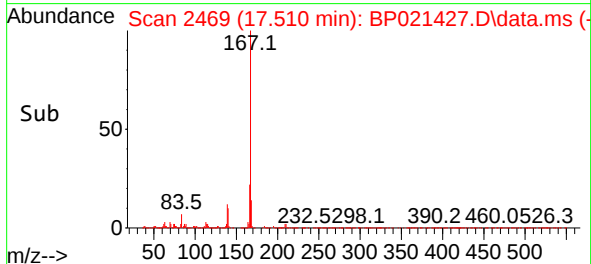
Instrument :
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Tgt Ion:167 Resp: 1905085
 Ion Ratio Lower Upper
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 166 22.0 17.3 25.9
 139 12.5 10.2 15.2

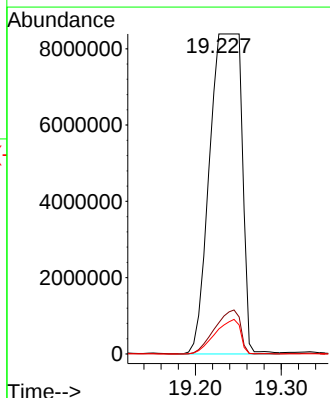
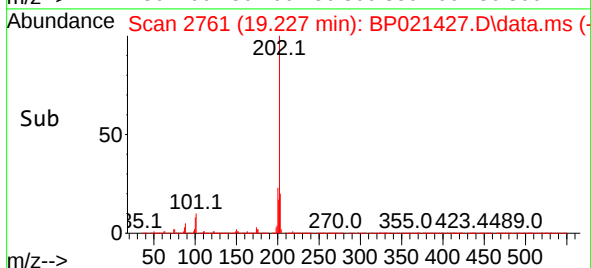
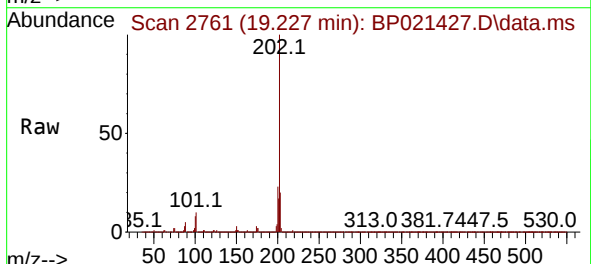
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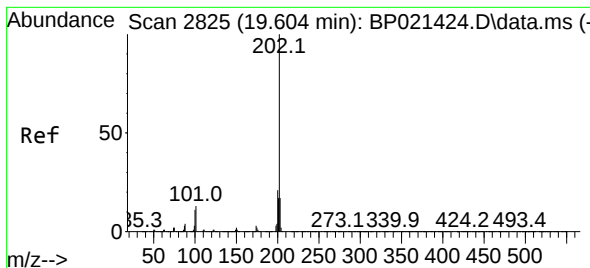
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



#80
 Fluoranthene
 Concen: 350.144 ng/ul m
 RT: 19.227 min Scan# 2761
 Delta R.T. -0.006 min
 Lab File: BP021427.D
 Acq: 07 Aug 2024 20:17

Tgt Ion:202 Resp:21812639
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.0 12.0
 100 7.8 6.1 9.1





#82

Pyrene

Concen: 319.462 ng/ul m

RT: 19.610 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

E05Y5

Tgt Ion:202 Resp:2025135

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

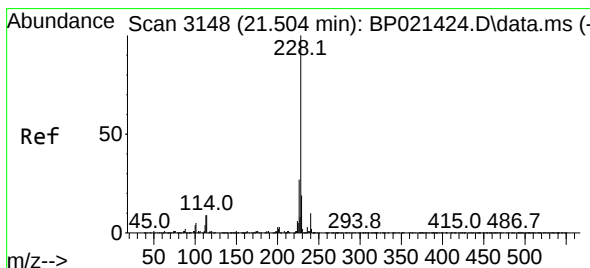
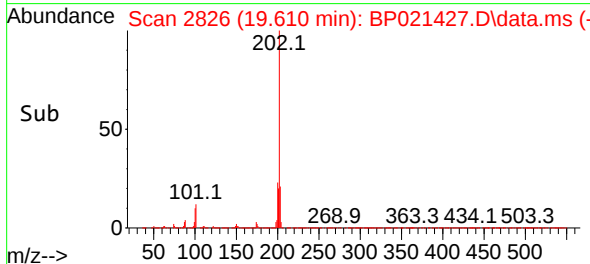
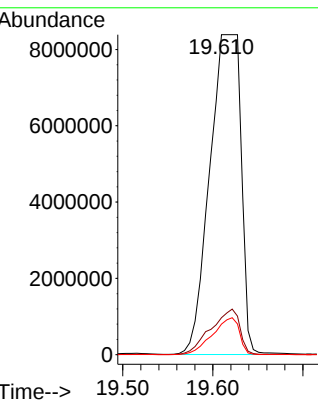
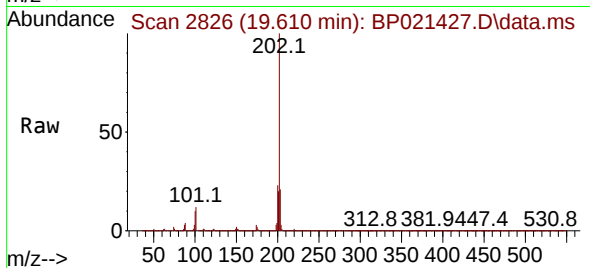
100 9.6 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#85

Benzo(a)anthracene

Concen: 210.732 ng/ul

RT: 21.515 min Scan# 3150

Delta R.T. 0.006 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

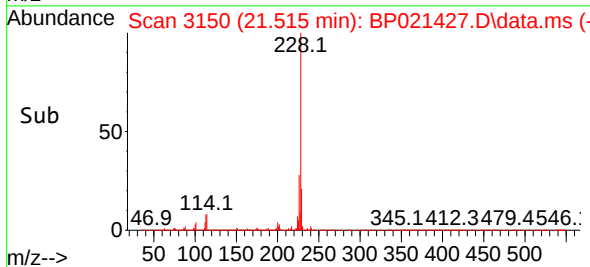
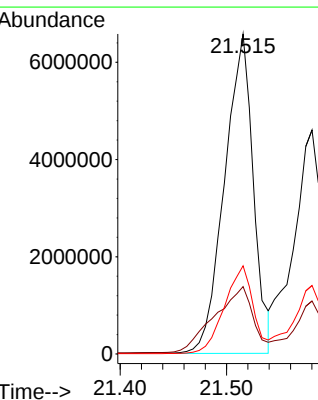
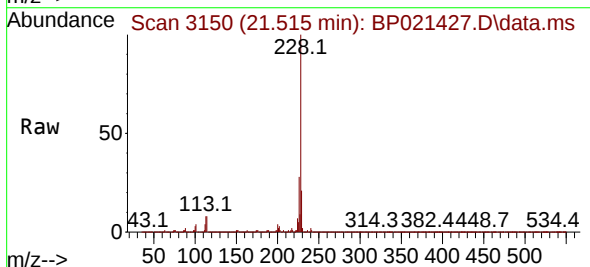
Tgt Ion:228 Resp:12316971

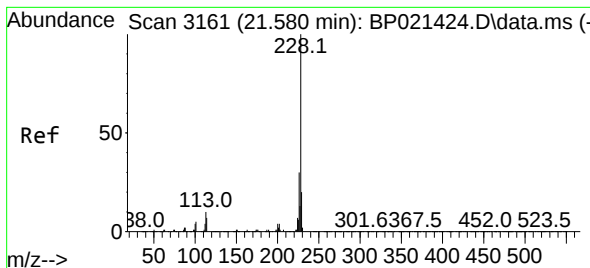
Ion Ratio Lower Upper

228 100

229 21.1 15.5 23.3

226 27.6 21.4 32.2





#87

Chrysene

Concen: 150.952 ng/ul m

RT: 21.580 min Scan# 3161

Delta R.T. -0.006 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

E05Y5

Tgt Ion:228 Resp: 819842

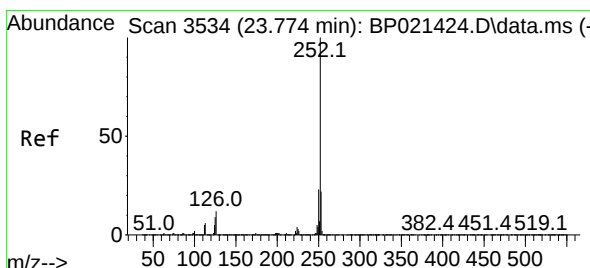
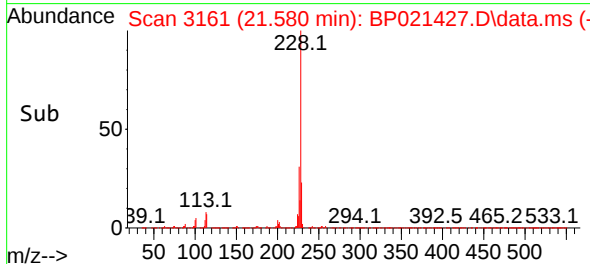
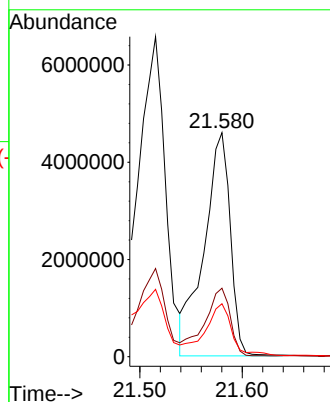
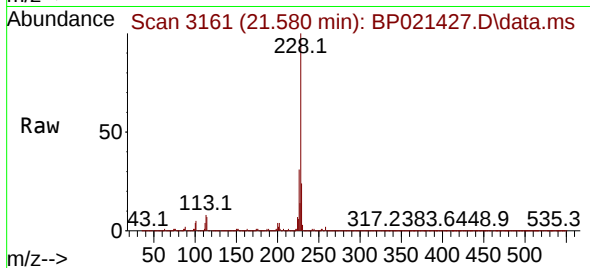
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.6	35.4
229	23.6	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#90

Benzo(b)fluoranthene

Concen: 205.377 ng/ul

RT: 23.798 min Scan# 3538

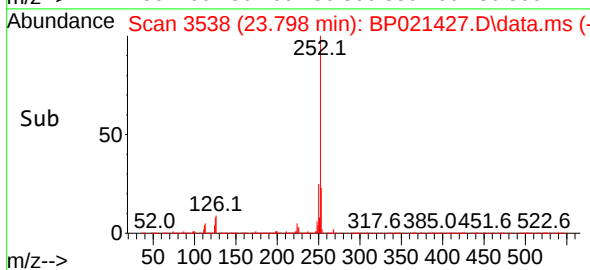
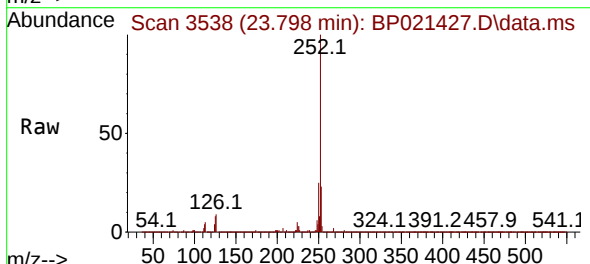
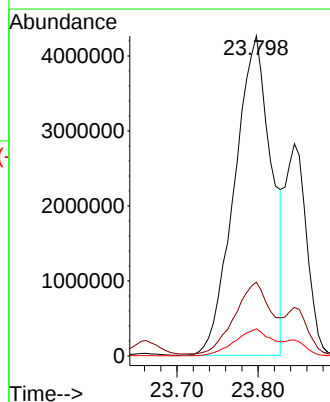
Delta R.T. 0.012 min

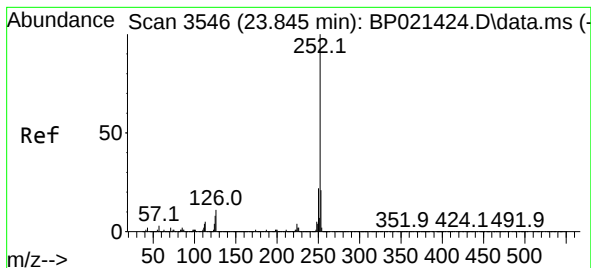
Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Tgt Ion:252 Resp:13442726

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	8.4	7.0	10.4





#91

Benzo(k)fluoranthene

Concen: 80.225 ng/ul m

RT: 23.845 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

E05Y5

Tgt Ion:252 Resp: 524039

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

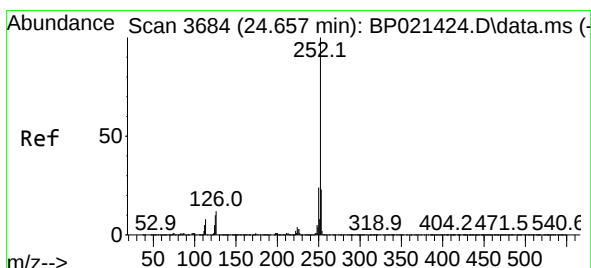
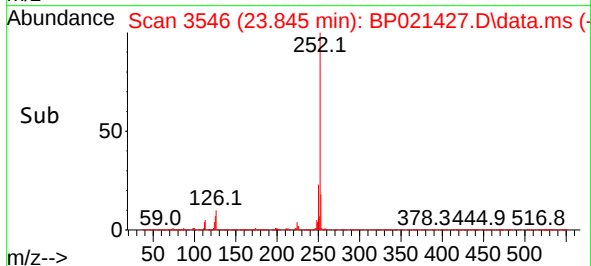
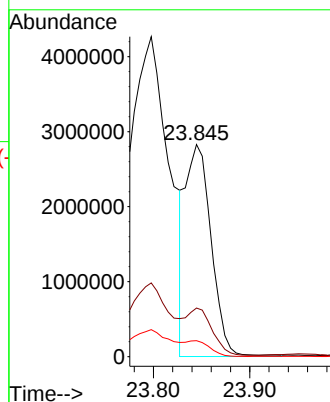
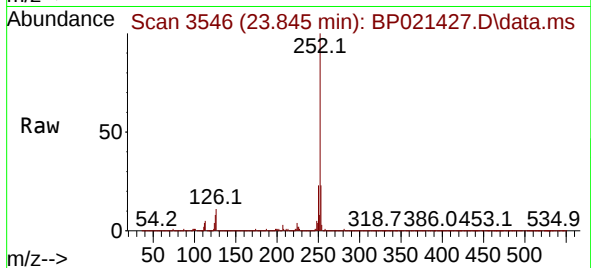
125 7.5 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#93

Benzo(a)pyrene

Concen: 178.187 ng/ul

RT: 24.686 min Scan# 3689

Delta R.T. 0.006 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

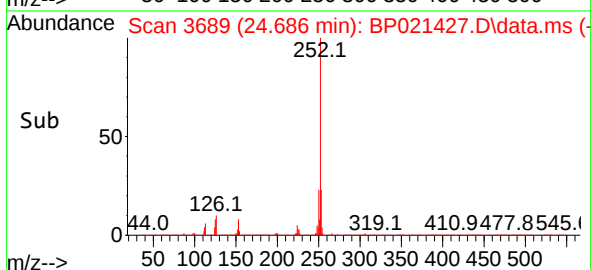
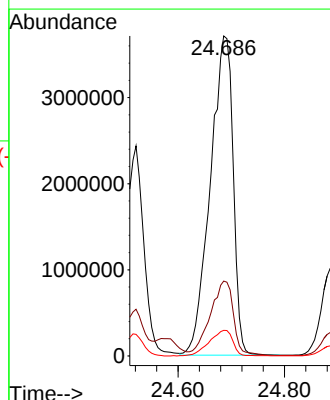
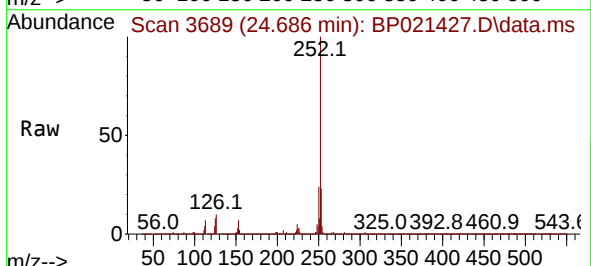
Tgt Ion:252 Resp:11021362

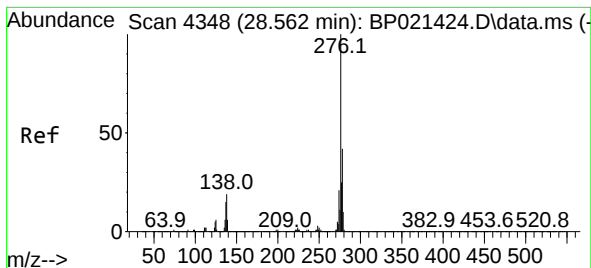
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 8.0 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 92.436 ng/ul m

RT: 28.592 min Scan# 4353

Delta R.T. -0.006 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

E05Y5

Tgt Ion:276 Resp: 7367460

Ion Ratio Lower Upper

276 100

138 14.9 14.3 21.5

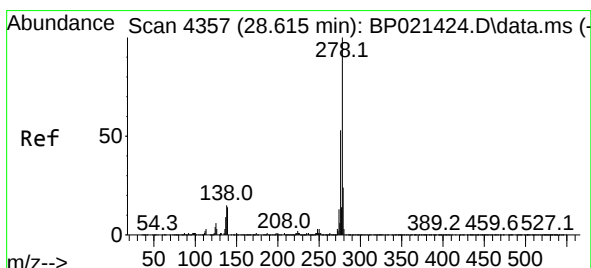
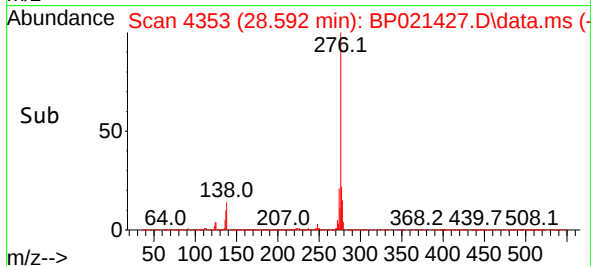
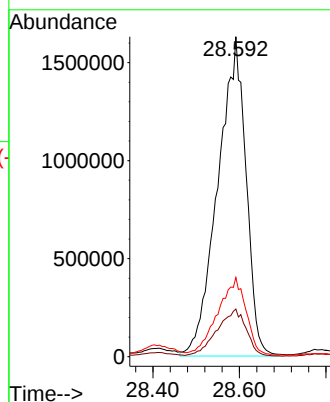
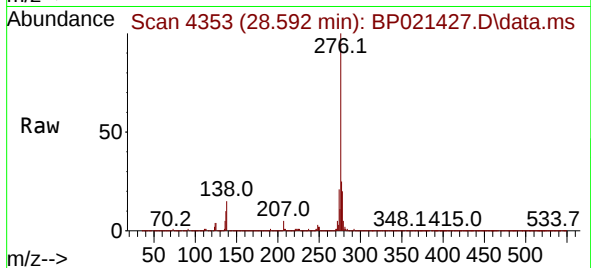
277 24.7 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#95

Dibenzo(a,h)anthracene

Concen: 26.930 ng/ul m

RT: 28.621 min Scan# 4358

Delta R.T. -0.017 min

Lab File: BP021427.D

Acq: 07 Aug 2024 20:17

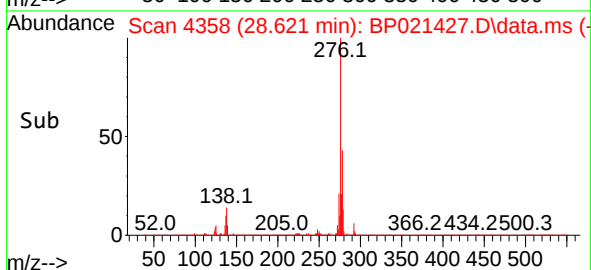
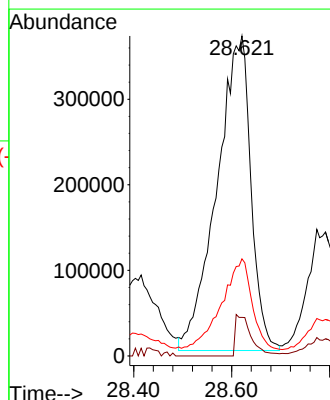
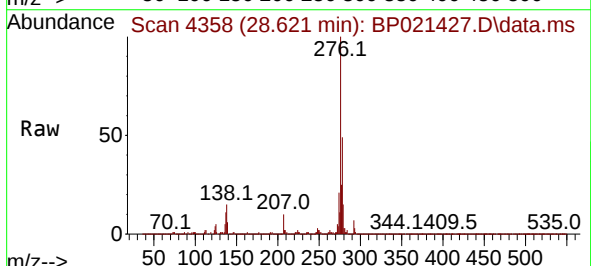
Tgt Ion:278 Resp: 1777408

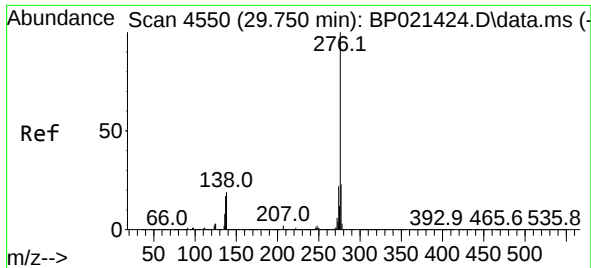
Ion Ratio Lower Upper

278 100

139 12.0 10.9 16.3

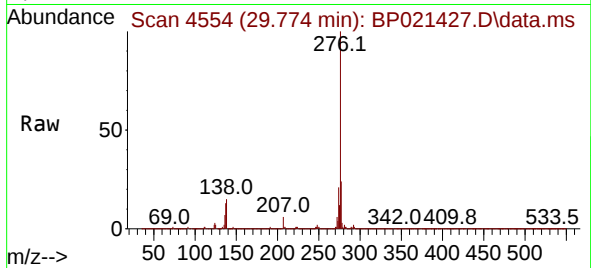
279 30.3 19.4 29.0#





#96
Benzo(g,h,i)perylene
Concen: 104.523 ng/ul m
RT: 29.774 min Scan# 4554
Delta R.T. 0.012 min
Lab File: BP021427.D
Acq: 07 Aug 2024 20:17

Instrument :
BNA_P
ClientSampleId :
E05Y5



Tgt Ion: 276 Resp: 678473
Ion Ratio Lower Upper
276 100
138 15.4 15.3 22.9
277 23.9 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

