

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120423\
 Data File : BP018629.D
 Acq On : 06 Dec 2023 10:06
 Operator : MA/JU
 Sample : 05456-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05M4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/08/2023

Quant Time: Dec 06 21:50:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 04 21:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	315783	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	1249526	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.481	164	733644	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.228	188	1256431	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	1094613	20.000	ng/u1	# 0.00
88) Perylene-d12	23.698	264	1474340	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	9279	1.001	ng/uL	0.00
4) Pyridine-d5	3.693	84	46601	1.877	ng/u1	0.00
7) Phenol-d5	7.016	99	203803	6.431	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	115883	6.170	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	155931	6.306	ng/u1	0.00
15) 4-Methylphenol-d8	8.557	113	150628	5.873	ng/u1	-0.01
21) Nitrobenzene-d5	9.010	128	75206	6.762	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	77306	6.705	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.263	165	170937	7.250	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.793	131	29429m	0.955	ng/u1	0.00
46) Dimethylphthalate-d6	13.892	166	508305	7.763	ng/u1	-0.01
49) Acenaphthylene-d8	14.169	160	542285	7.521	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.681	143	39321	3.658	ng/u1	0.00
60) Fluorene-d10	15.469	176	407747	7.419	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	28970	3.845	ng/u1	0.00
73) Anthracene-d10	17.322	188	519561	7.866	ng/u1	0.00
81) Pyrene-d10	19.563	212	559967	6.572	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.545	264	659300	7.669	ng/u1	0.01
Target Compounds					Qvalue	
6) Benzaldehyde	6.987	77	26611	1.626	ng/u1	97
8) Phenol	7.046	94	107132	3.447	ng/u1	98
16) Acetophenone	8.675	105	718760	18.805	ng/u1	100
50) Acenaphthylene	14.198	152	914635	11.283	ng/u1	99
56) Dibenzofuran	14.875	168	122871	1.649	ng/u1	96
72) Phenanthrene	17.269	178	4538191	59.805	ng/u1	99
74) Anthracene	17.357	178	1572060	20.668	ng/u1	100
77) Carbazole	17.633	167	301297	4.970	ng/u1	99
80) Fluoranthene	19.245	202	11844136m	117.597	ng/u1	
82) Pyrene	19.598	202	12043141m	118.528	ng/u1	
85) Benzo(a)anthracene	21.310	228	8918343	100.377	ng/u1	94
87) Chrysene	21.363	228	8792698	107.465	ng/u1	95
90) Benzo(b)fluoranthene	22.986	252	13639138	125.470	ng/u1#	96
91) Benzo(k)fluoranthene	23.027	252	4428132m	42.101	ng/u1	
93) Benzo(a)pyrene	23.604	252	8340655m	83.972	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.192	276	7770689	65.479	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.192	278	2140630	21.684	ng/u1#	81
96) Benzo(g,h,i)perylene	26.956	276	6822102	71.431	ng/u1#	94

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

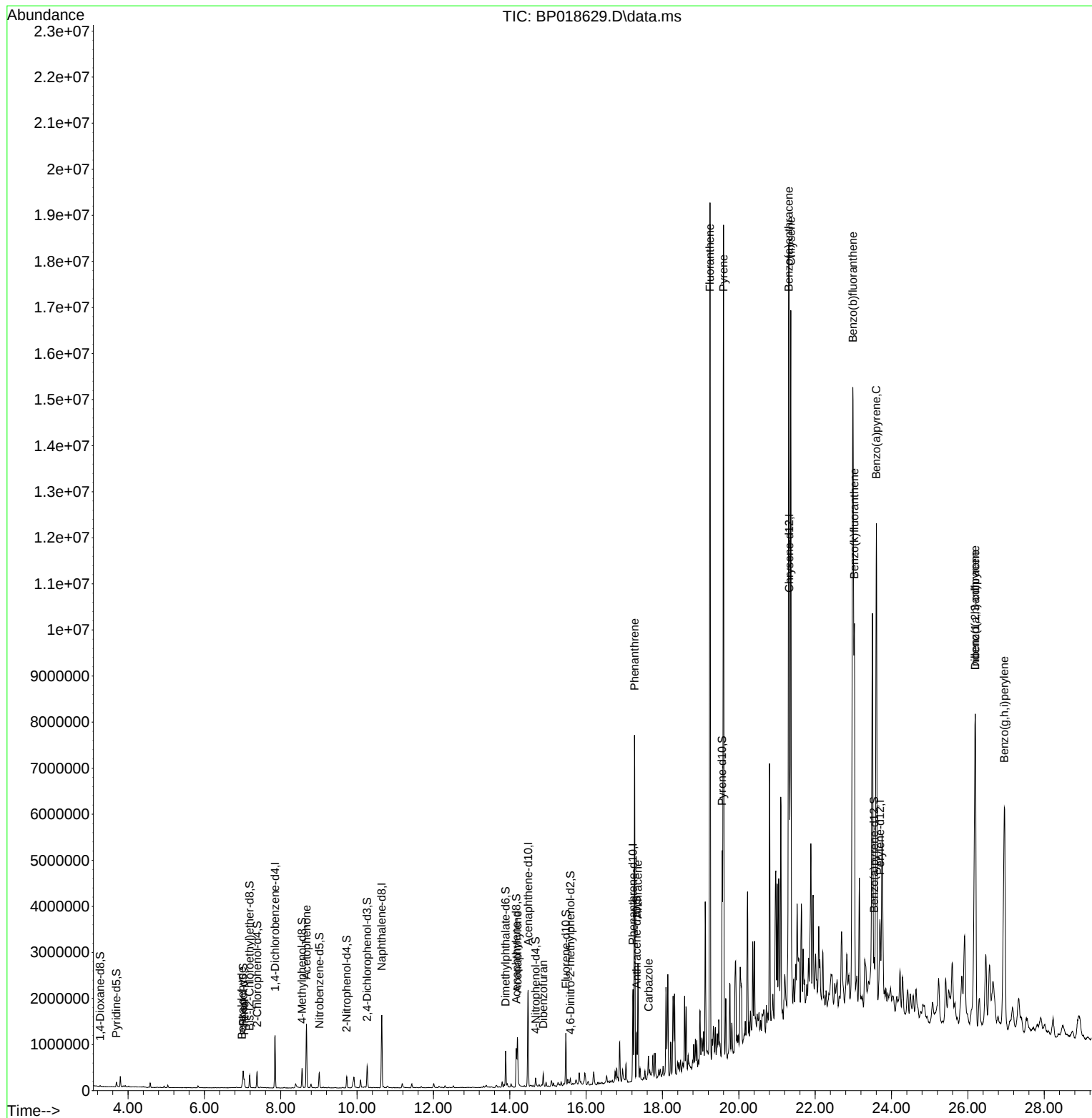
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120423\
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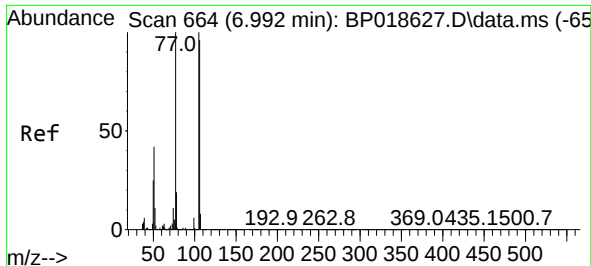
Instrument :
 BNA_P
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 E05M4

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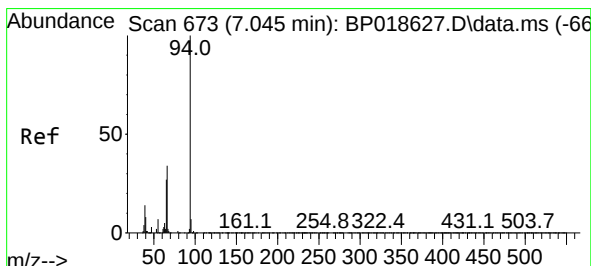
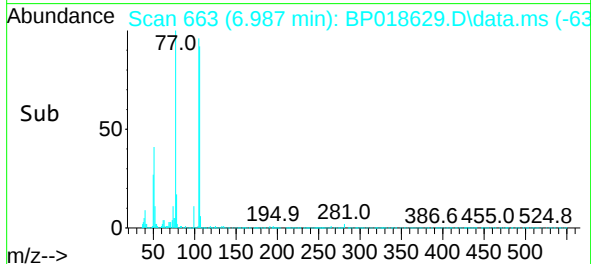
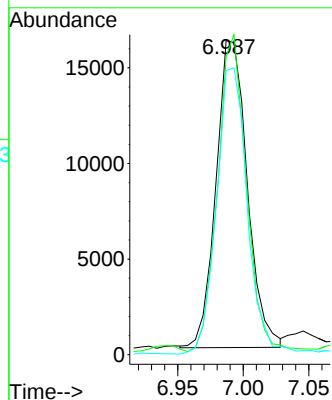
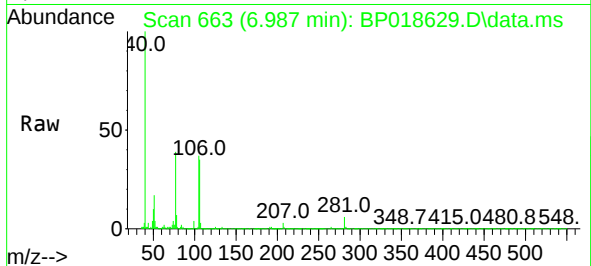
#6
Benzaldehyde
Concen: 1.626 ng/ul
RT: 6.987 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Instrument :
BNA_P
ClientSampleId :
E05M4

Tgt Ion: 77 Resp: 2661
Ion Ratio Lower Upper
77 100
105 94.9 77.9 116.9
106 90.5 74.6 111.8

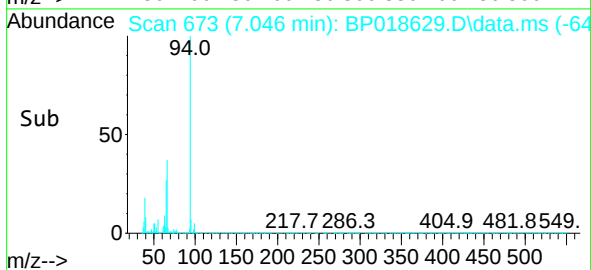
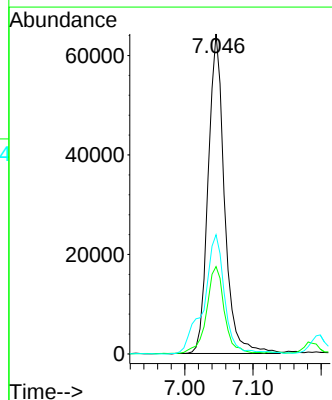
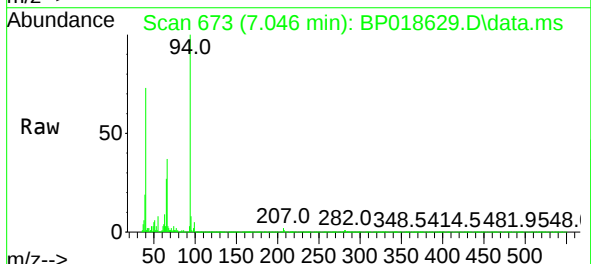
Manual Integrations
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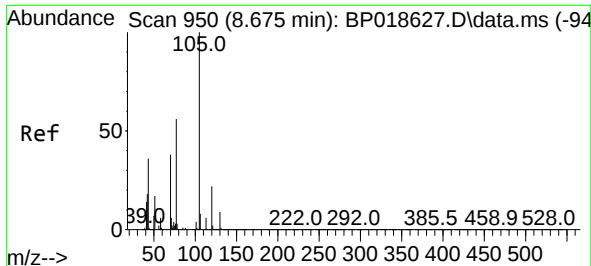
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#8
Phenol
Concen: 3.447 ng/ul
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

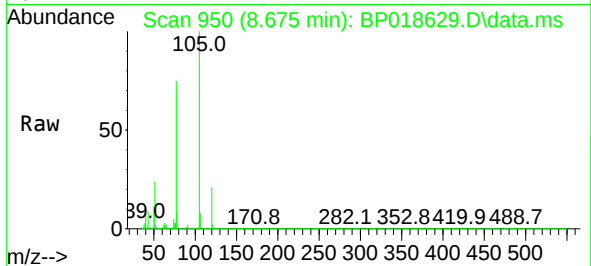
Tgt Ion: 94 Resp: 107132
Ion Ratio Lower Upper
94 100
65 27.3 21.0 31.6
66 37.3 28.6 43.0





#16
Acetophenone
Concen: 18.805 ng/ul
RT: 8.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

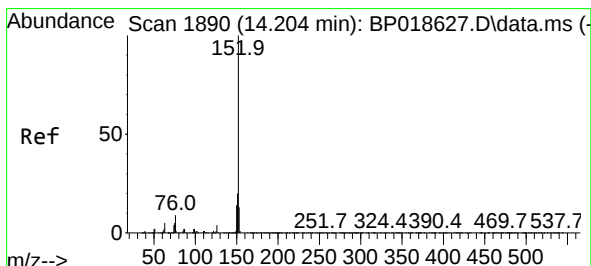
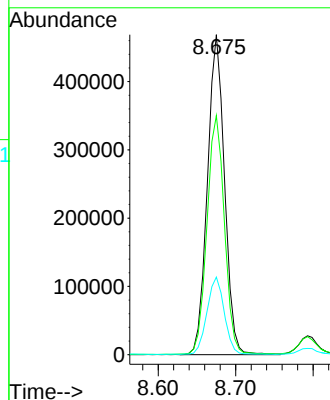
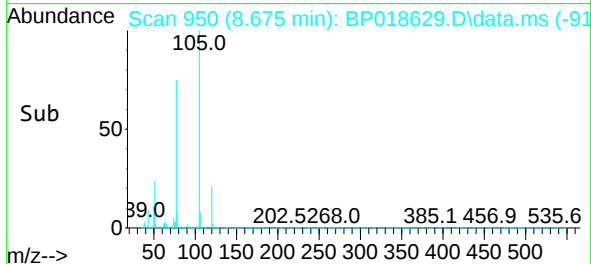
Instrument :
BNA_P
ClientSampleId :
E05M4



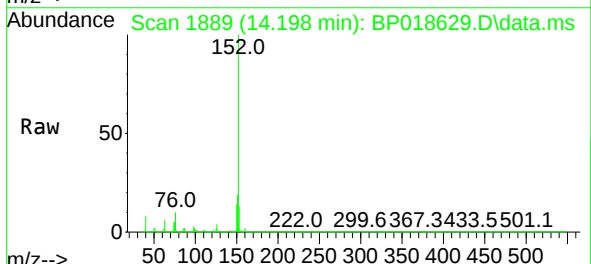
Tgt Ion:105 Resp: 718760
Ion Ratio Lower Upper
105 100
77 74.7 59.4 89.0
51 24.3 19.4 29.0

Manual Integrations
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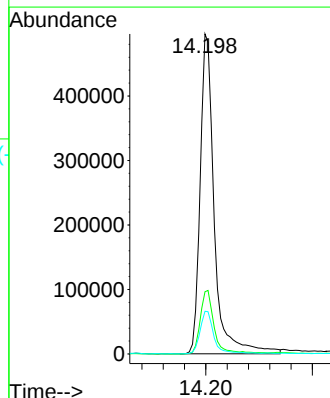
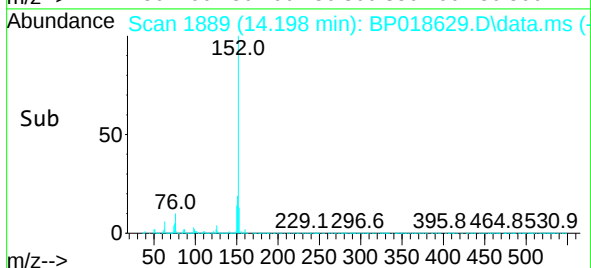
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023

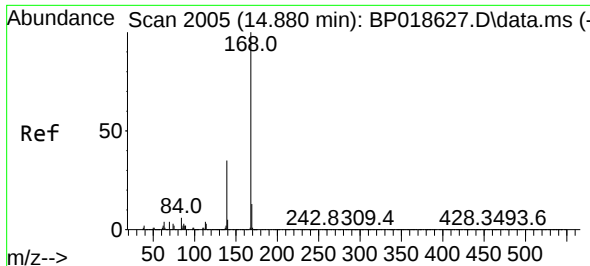


#50
Acenaphthylene
Concen: 11.283 ng/ul
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06



Tgt Ion:152 Resp: 914635
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.3 10.6 16.0





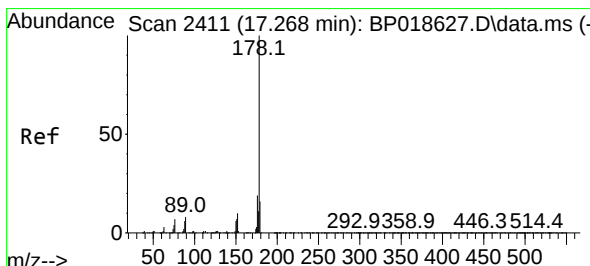
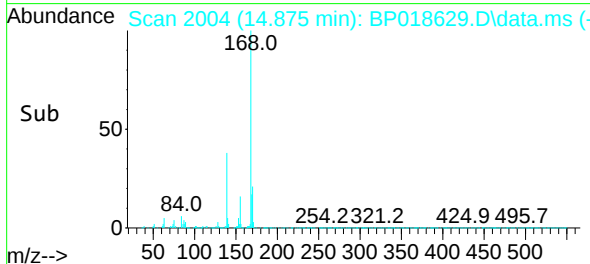
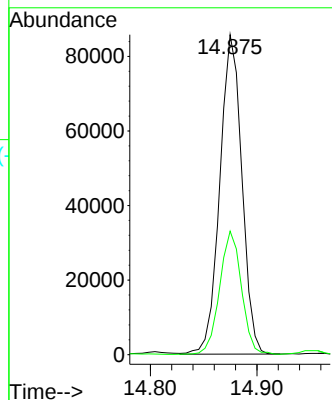
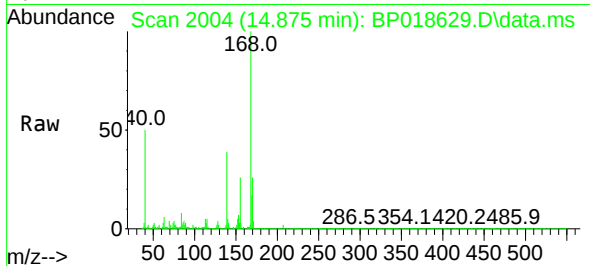
#56
Dibenzenofuran
Concen: 1.649 ng/ul
RT: 14.875 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Instrument :
BNA_P
ClientSampleId :
E05M4

Tgt Ion:168 Resp: 12287
Ion Ratio Lower Upper
168 100
139 38.6 29.1 43.7

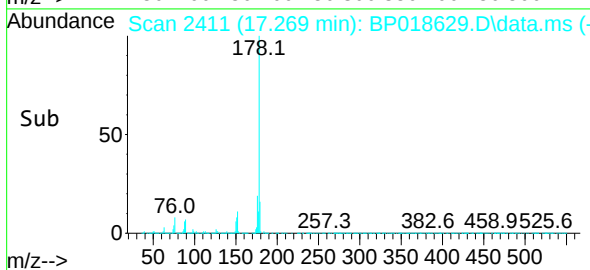
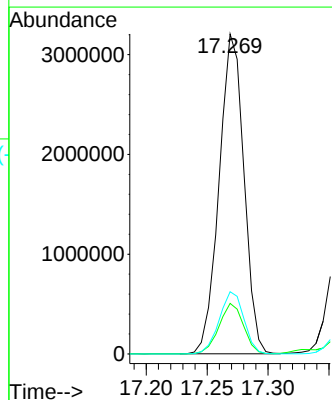
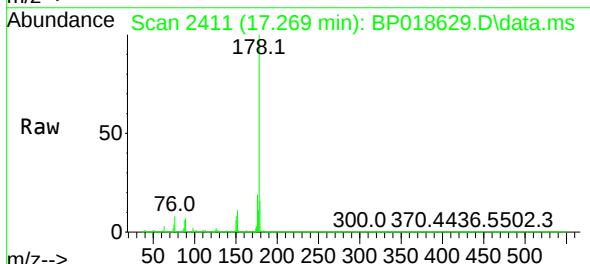
Manual Integrations
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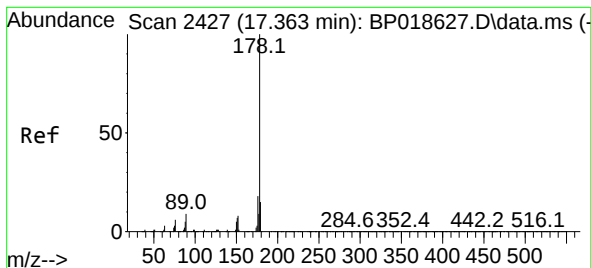
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#72
Phenanthrene
Concen: 59.805 ng/ul
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:178 Resp: 4538191
Ion Ratio Lower Upper
178 100
179 15.8 12.3 18.5
176 19.5 15.4 23.2





#74

Anthracene

Concen: 20.668 ng/u1

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

Tgt Ion:178 Resp: 1572060

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

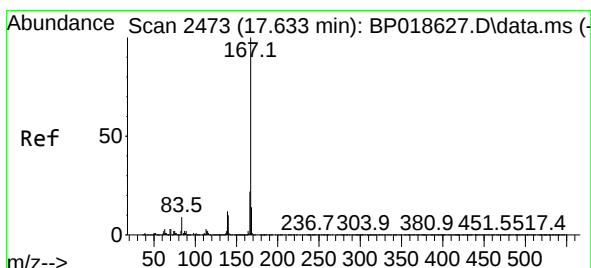
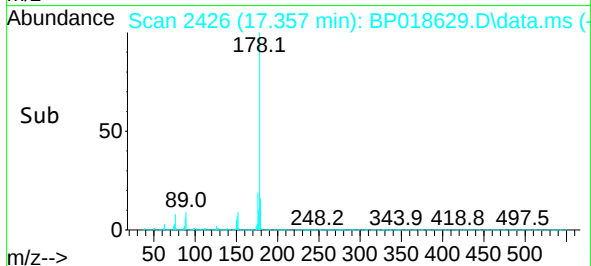
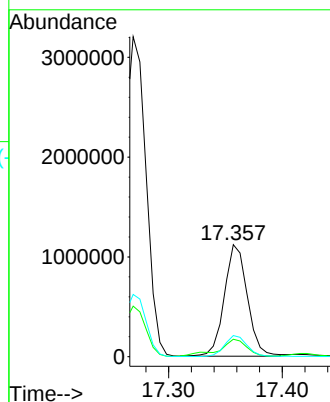
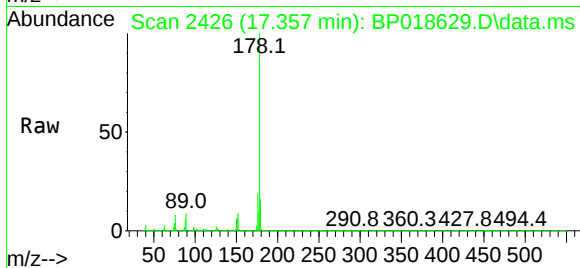
176 18.8 15.0 22.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/08/2023



#77

Carbazole

Concen: 4.970 ng/u1

RT: 17.633 min Scan# 2473

Delta R.T. -0.006 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

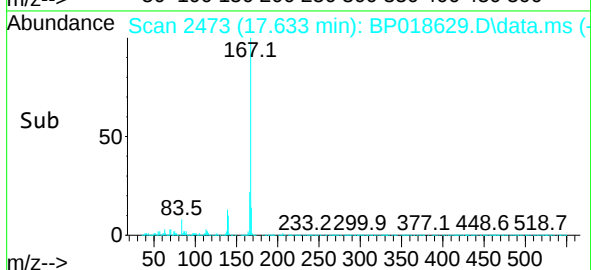
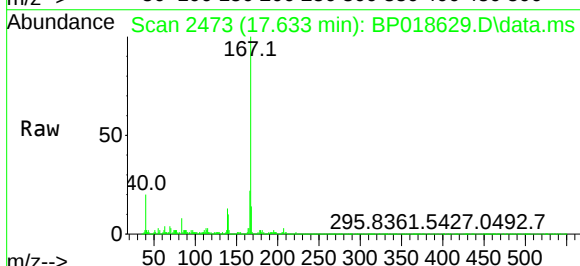
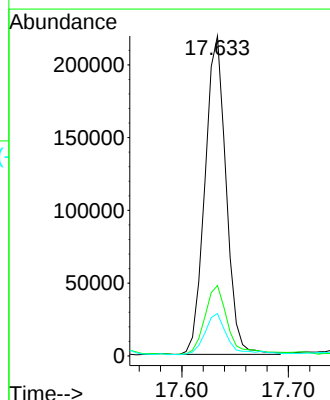
Tgt Ion:167 Resp: 301297

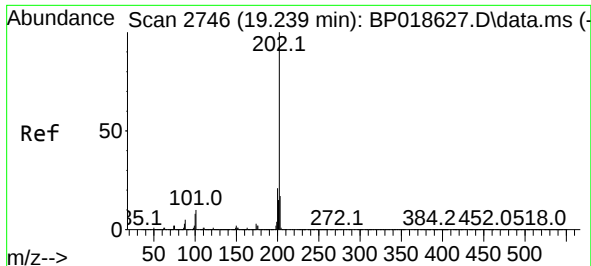
Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

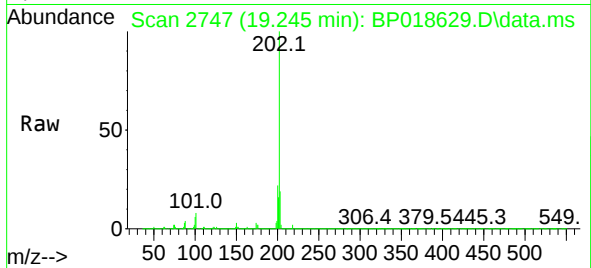
139 13.3 10.2 15.4





#80
Fluoranthene
Concen: 117.597 ng/ul m
RT: 19.245 min Scan# 2746
Delta R.T. 0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

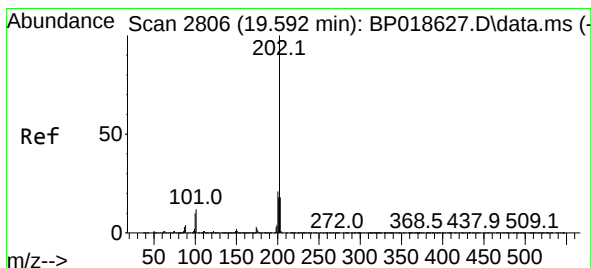
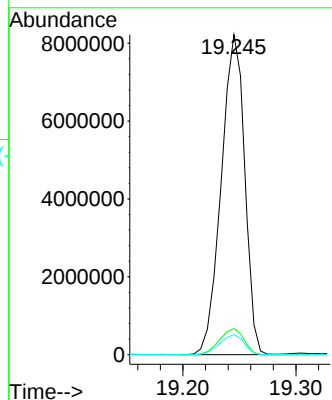
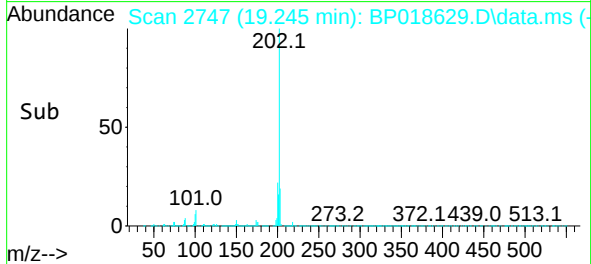
Instrument :
BNA_P
ClientSampleId :
E05M4



Tgt Ion:202 Resp:11844130
Ion Ratio Lower Upper
202 100
101 8.1 9.1 13.7#
100 6.2 7.1 10.7#

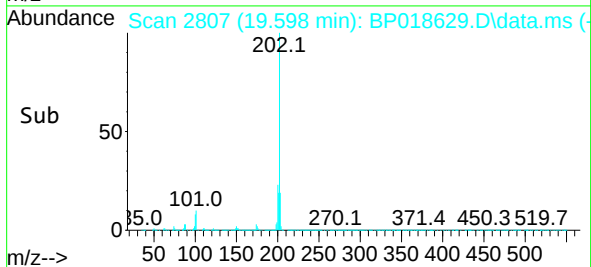
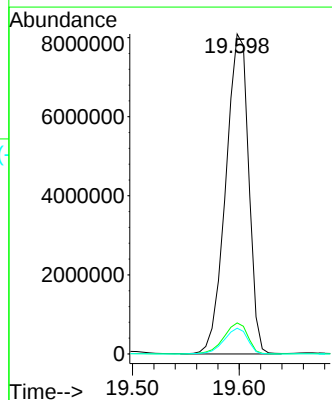
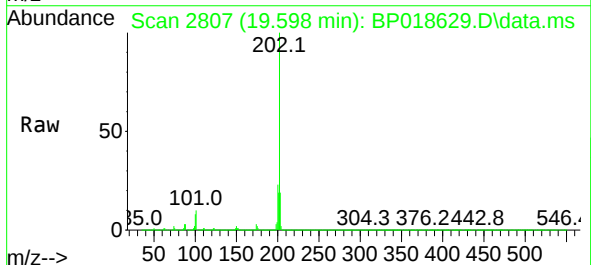
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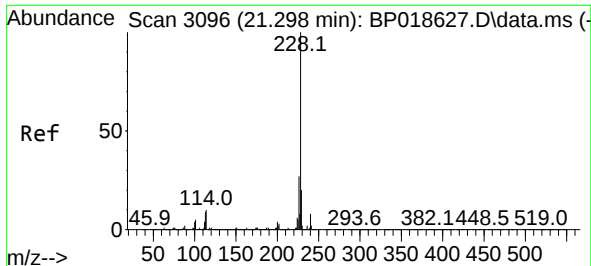
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#82
Pyrene
Concen: 118.528 ng/ul m
RT: 19.598 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

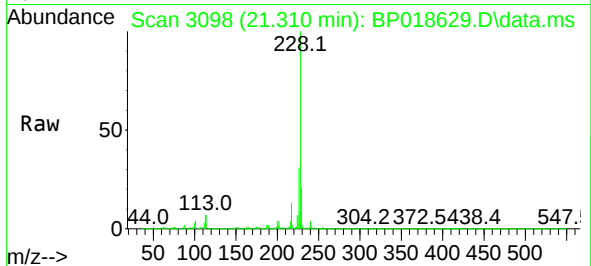
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Ion Ratio Lower Upper
202 100
101 9.7 11.0 16.4#
100 8.1 9.1 13.7#





#85
Benzo(a)anthracene
Concen: 100.377 ng/u1
RT: 21.310 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

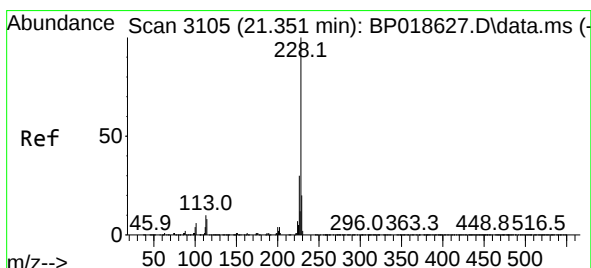
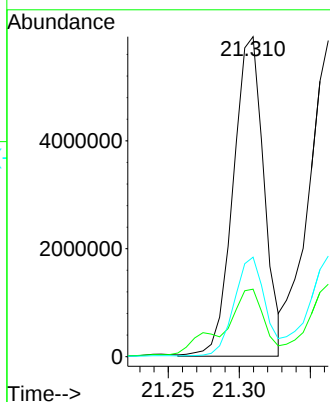
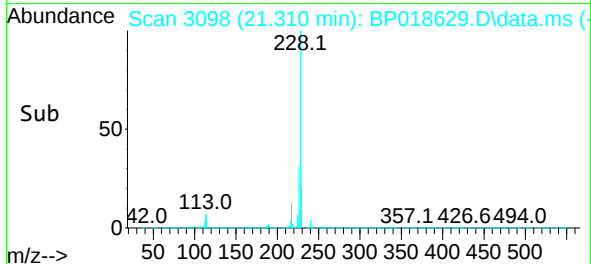
Instrument :
BNA_P
ClientSampleId :
E05M4



Tgt Ion:228 Resp: 891834
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 31.1 21.9 32.9

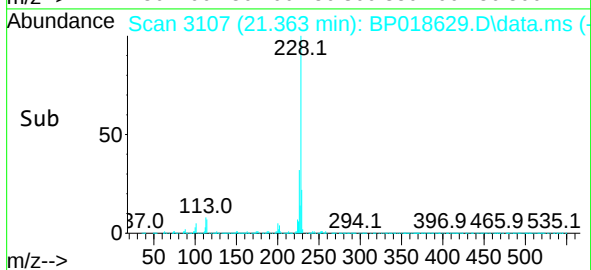
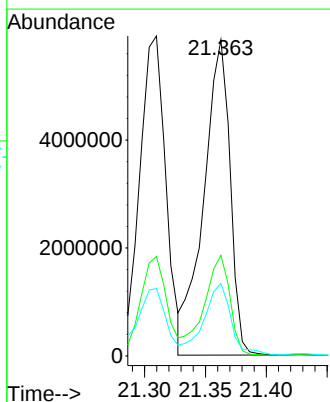
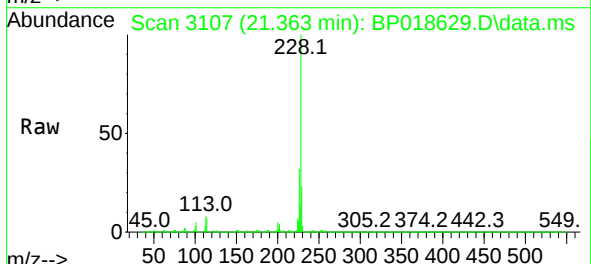
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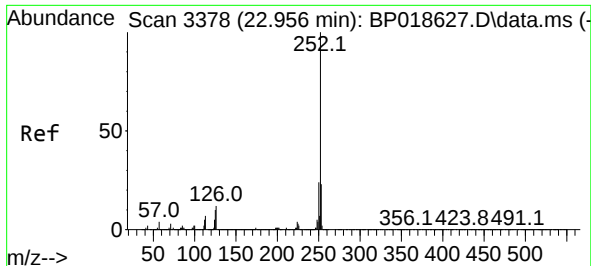
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#87
Chrysene
Concen: 107.465 ng/u1
RT: 21.363 min Scan# 3107
Delta R.T. 0.012 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

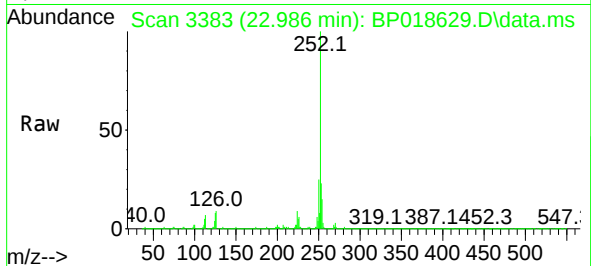
Tgt Ion:228 Resp: 8792698
Ion Ratio Lower Upper
228 100
226 31.8 23.9 35.9
229 22.9 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 125.470 ng/ul
RT: 22.986 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

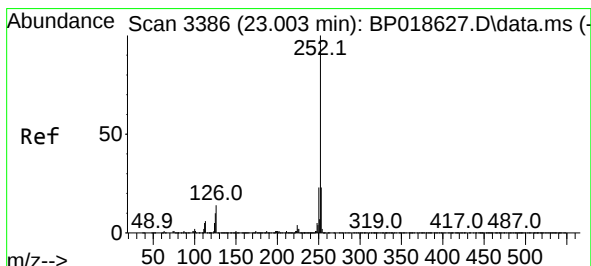
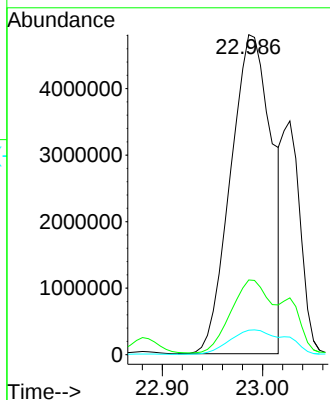
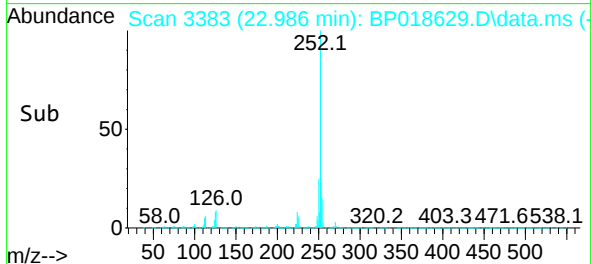
Instrument :
BNA_P
ClientSampleId :
E05M4



Tgt Ion:252 Resp:1363913
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 7.6 7.8 11.6

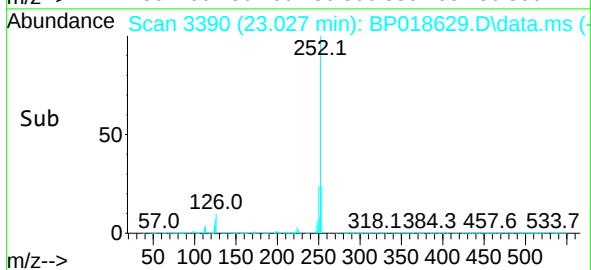
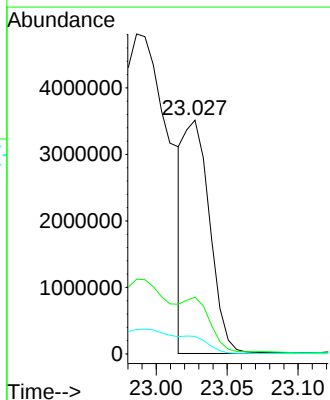
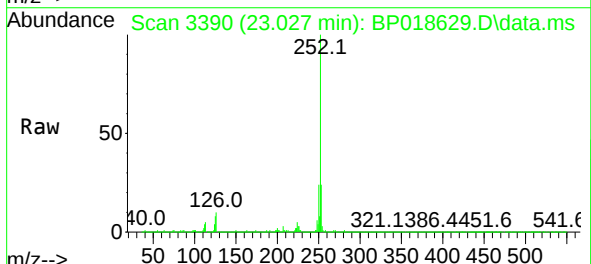
Manual Integrations
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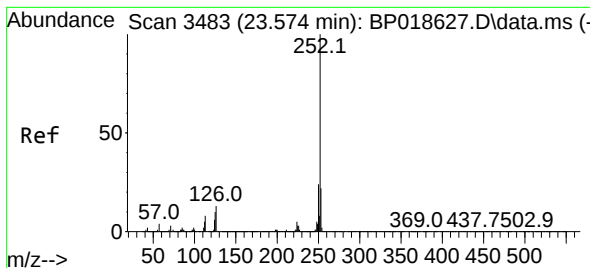
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#91
Benzo(k)fluoranthene
Concen: 42.101 ng/ul m
RT: 23.027 min Scan# 3390
Delta R.T. 0.012 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:252 Resp: 4428132
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 7.6 8.0 12.0





#93

Benzo(a)pyrene

Concen: 83.972 ng/ul m

RT: 23.604 min Scan# 3488

Delta R.T. 0.018 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

Tgt Ion:252 Resp: 834065

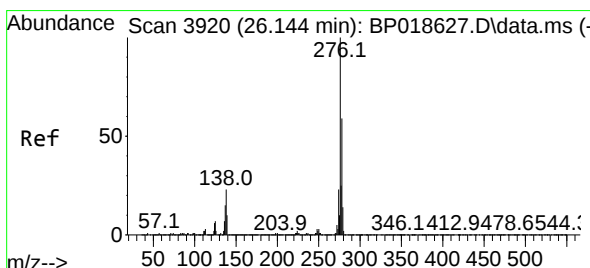
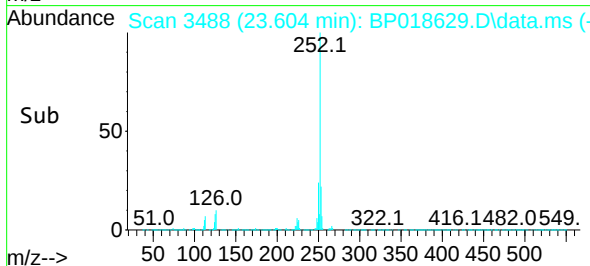
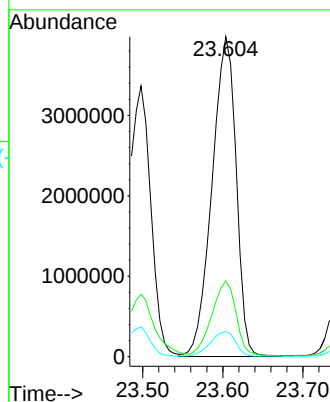
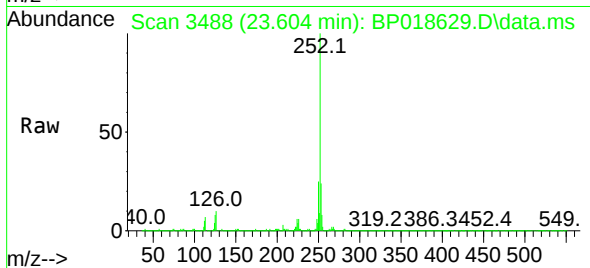
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	7.8	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/08/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 65.479 ng/ul

RT: 26.192 min Scan# 3928

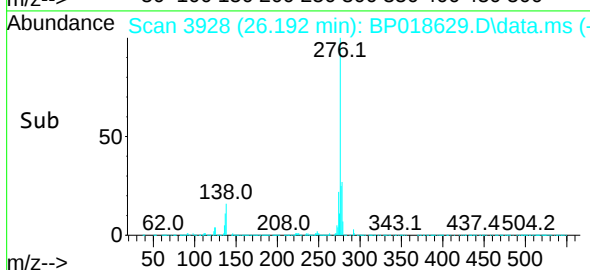
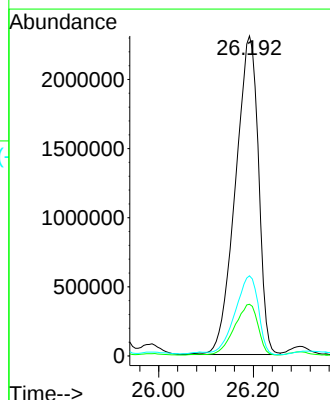
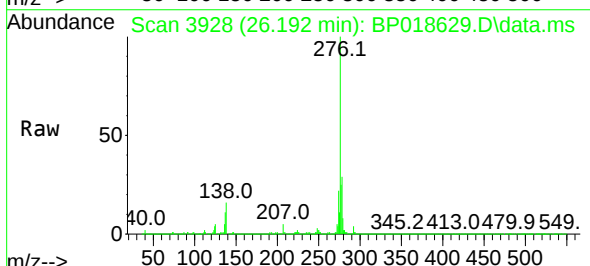
Delta R.T. 0.035 min

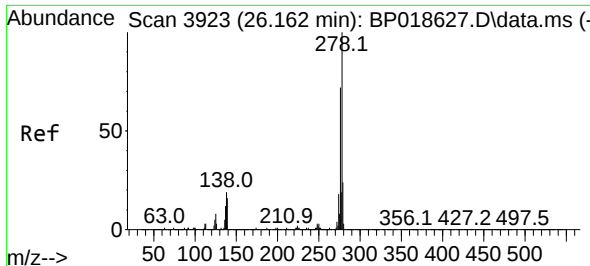
Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Tgt Ion:276 Resp: 7770689

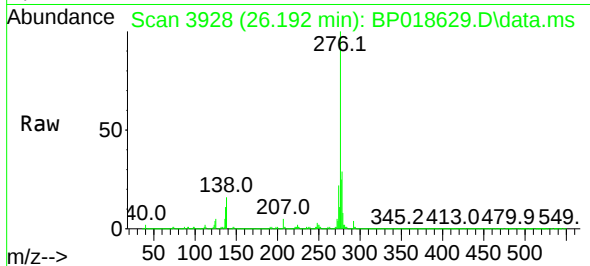
Ion	Ratio	Lower	Upper
276	100		
138	16.2	19.4	29.2
277	25.0	19.8	29.6





#95
Dibenzo(a,h)anthracene
Concen: 21.684 ng/ul
RT: 26.192 min Scan# 3923
Delta R.T. 0.012 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

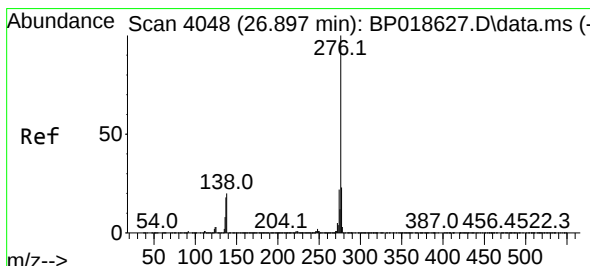
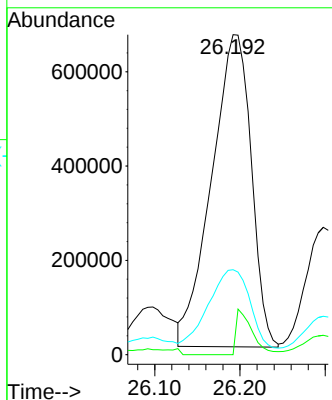
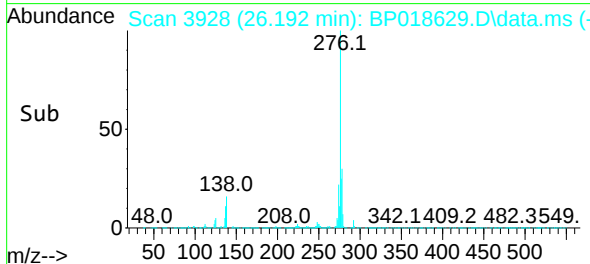
Instrument :
BNA_P
ClientSampleId :
E05M4



Tgt Ion:278 Resp: 2140630
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6
279 26.5 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#96
Benzo(g,h,i)perylene
Concen: 71.431 ng/ul
RT: 26.956 min Scan# 4058
Delta R.T. 0.041 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:276 Resp: 6822102
Ion Ratio Lower Upper
276 100
138 16.9 18.1 27.1#
277 24.3 19.4 29.0

