

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018927.D
 Acq On : 19 Dec 2023 02:39
 Operator : MA/JU
 Sample : 05794-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3P9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 03:12:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	231069	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	784940	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	442435	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.215	188	1038863	20.000	ng/u1	0.00
79) Chrysene-d12	21.309	240	1061687	20.000	ng/u1	0.00
88) Perylene-d12	23.692	264	1307629	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	15507	2.287	ng/uL	0.00
4) Pyridine-d5	3.687	84	34720	1.912	ng/u1	0.01
7) Phenol-d5	7.010	99	265002	11.428	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.169	67	159382	11.597	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	219978	12.157	ng/u1	0.00
15) 4-Methylphenol-d8	8.551	113	145878	7.773	ng/u1	0.00
21) Nitrobenzene-d5	8.992	128	100452	14.379	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	105455	14.559	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	196839	13.290	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	94821	4.899	ng/u1	0.00
46) Dimethylphthalate-d6	13.880	166	536590	13.589	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	655723	15.081	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	70660	10.901	ng/u1	0.02
60) Fluorene-d10	15.457	176	510665	15.407	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	14346	2.303	ng/u1	0.00
73) Anthracene-d10	17.315	188	862110	15.785	ng/u1	0.00
81) Pyrene-d10	19.557	212	1082056	13.093	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	1150623	15.091	ng/u1	0.02
Target Compounds					Qvalue	
6) Benzaldehyde	6.975	77	18334	1.531	ng/u1	94
8) Phenol	7.040	94	72384	3.183	ng/u1	99
16) Acetophenone	8.657	105	360580	12.893	ng/u1	99
30) Naphthalene	10.675	128	50196	1.054	ng/u1	98
50) Acenaphthylene	14.186	152	108167	2.213	ng/u1	99
52) Acenaphthene	14.527	153	56071	1.735	ng/u1	98
56) Dibenzofuran	14.863	168	53573	1.193	ng/u1	99
61) Fluorene	15.510	166	66395	1.868	ng/u1#	97
69) Hexachlorobenzene	16.515	284	16370	1.118	ng/u1	94
72) Phenanthrene	17.257	178	1560293	24.868	ng/u1	100
74) Anthracene	17.351	178	391133	6.219	ng/u1	99
77) Carbazole	17.627	167	176714	3.526	ng/u1	98
80) Fluoranthene	19.233	202	3269002	33.463	ng/u1#	94
82) Pyrene	19.586	202	3226043	32.735	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	1929728	22.393	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.221	149	127169m	2.565	ng/u1	
87) Chrysene	21.351	228	1900869	23.953	ng/u1	96
90) Benzo(b)fluoranthene	22.968	252	2515436	26.090	ng/u1	97
91) Benzo(k)fluoranthene	23.003	252	998546m	10.704	ng/u1	
93) Benzo(a)pyrene	23.586	252	1915508	21.744	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.162	276	1404026	13.339	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.168	278	380865	4.350	ng/u1#	87
96) Benzo(g,h,i)perylene	26.921	276	880635	10.396	ng/u1	95

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

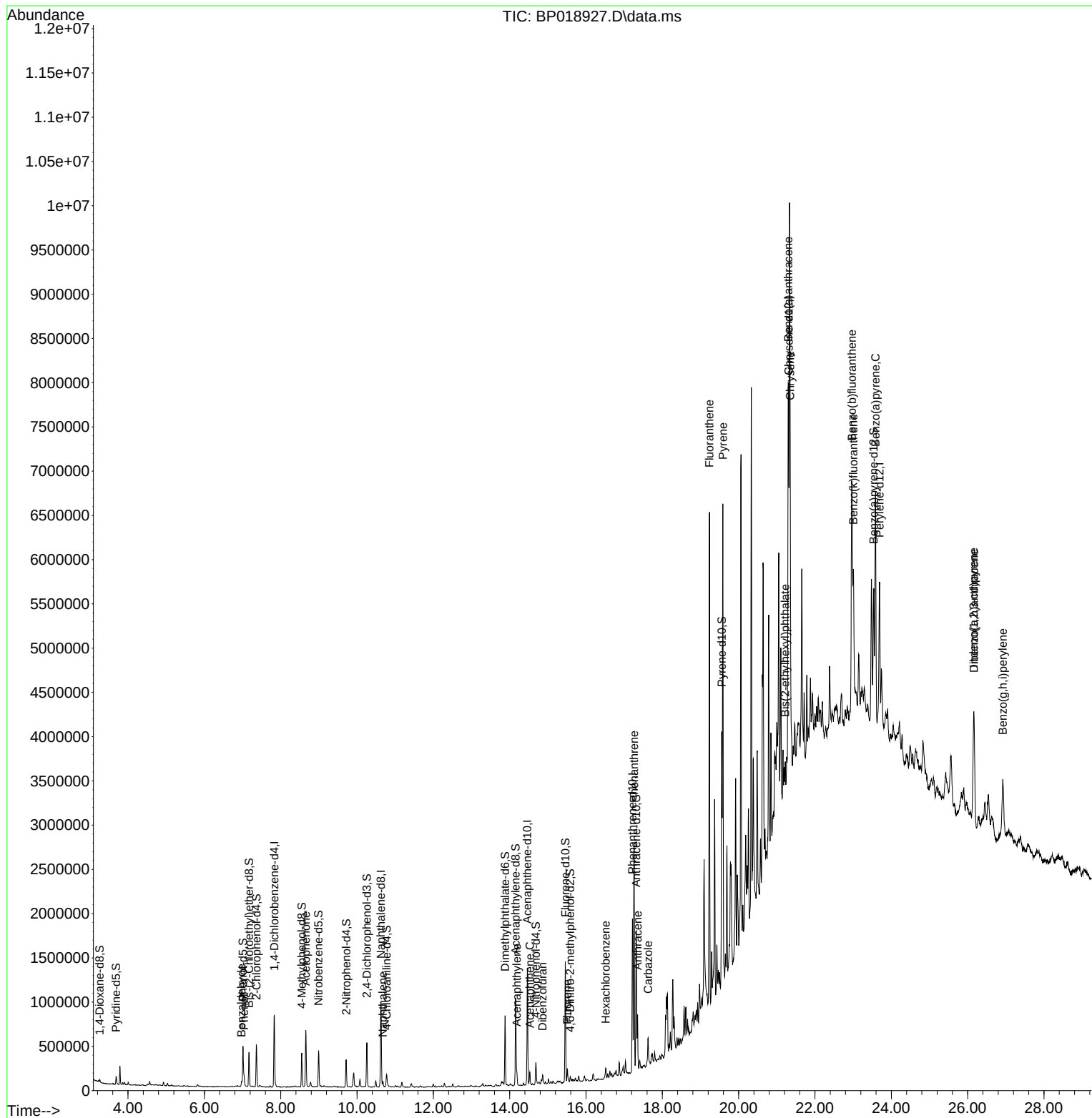
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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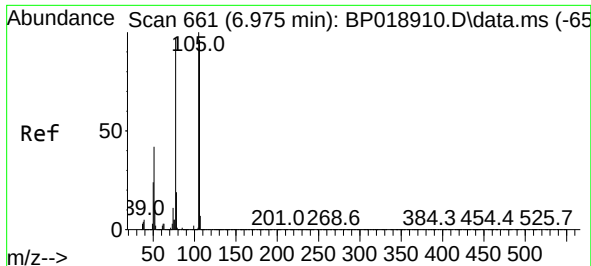
Instrument :
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Manual Integrations APPROVED

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 Quant Title : SVOA CALIBRATION
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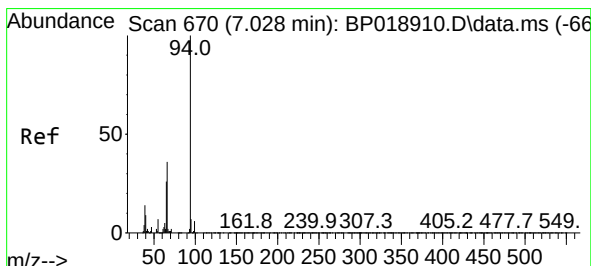
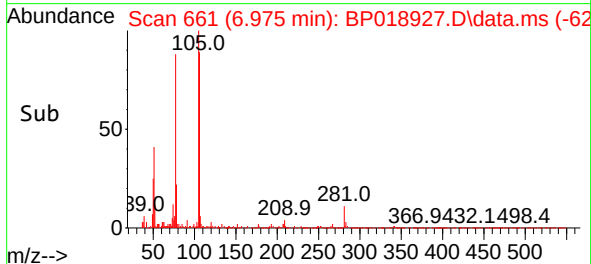
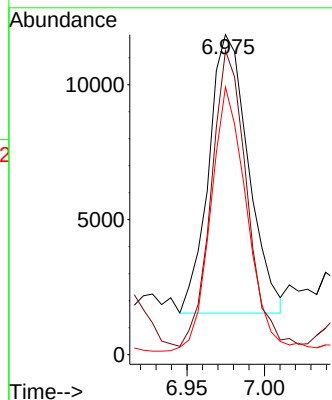
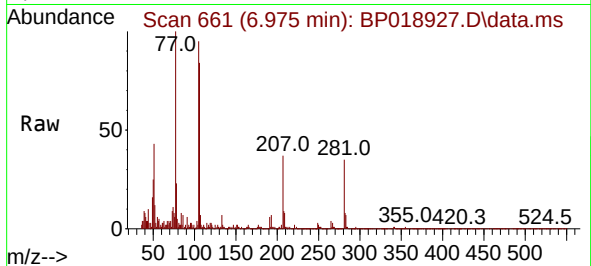
#6
Benzaldehyde
Concen: 1.531 ng/ul
RT: 6.975 min Scan# 601
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Instrument :
BNA_P
ClientSampleId :
BH3P9

Tgt Ion: 77 Resp: 18334
Ion Ratio Lower Upper
77 100
105 95.1 77.9 116.9
106 83.7 74.6 111.8

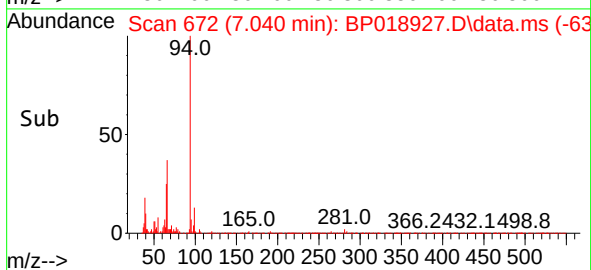
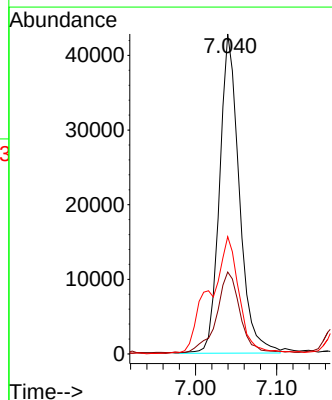
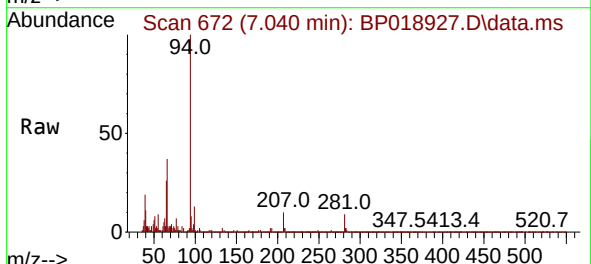
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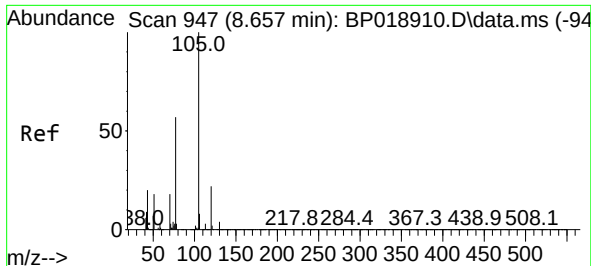
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#8
Phenol
Concen: 3.183 ng/ul
RT: 7.040 min Scan# 672
Delta R.T. 0.011 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Tgt Ion: 94 Resp: 72384
Ion Ratio Lower Upper
94 100
65 25.6 21.0 31.6
66 36.7 28.6 43.0





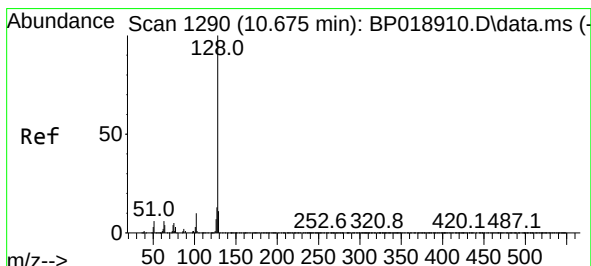
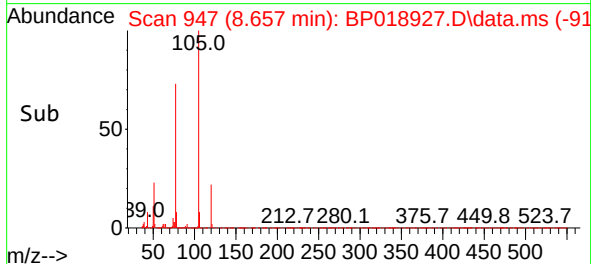
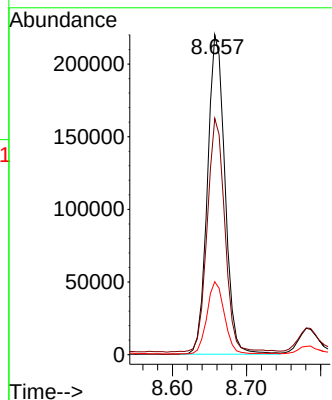
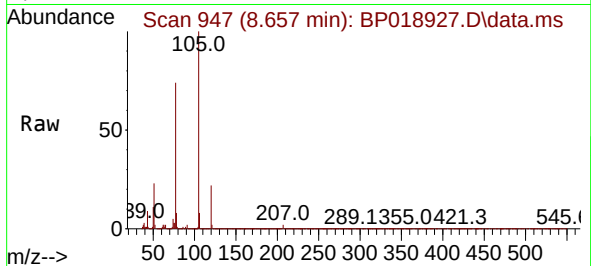
#16
Acetophenone
Concen: 12.893 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Instrument :
BNA_P
ClientSampleId :
BH3P9

Tgt Ion:105 Resp: 360580
Ion Ratio Lower Upper
105 100
77 73.8 59.4 89.0
51 22.8 19.4 29.0

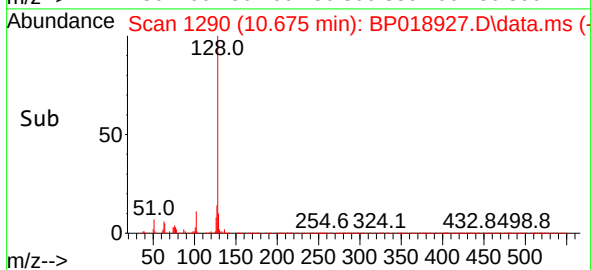
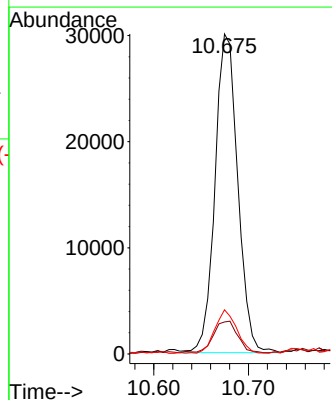
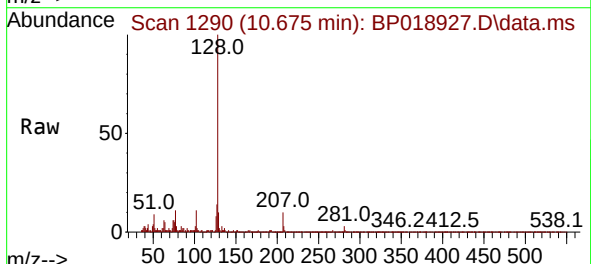
Manual Integrations
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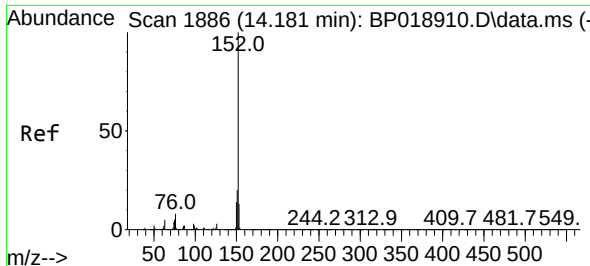
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#30
Naphthalene
Concen: 1.054 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Tgt Ion:128 Resp: 50196
Ion Ratio Lower Upper
128 100
129 10.0 8.9 13.3
127 13.8 10.5 15.7





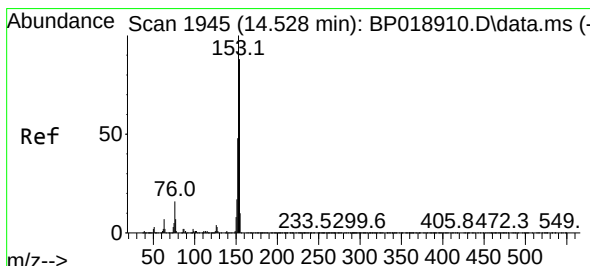
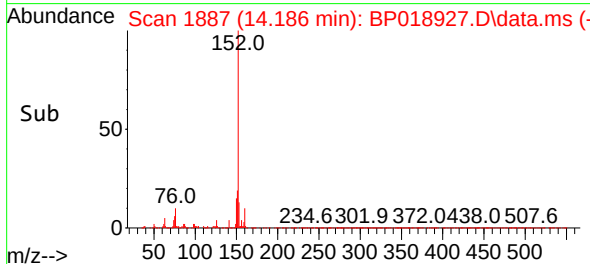
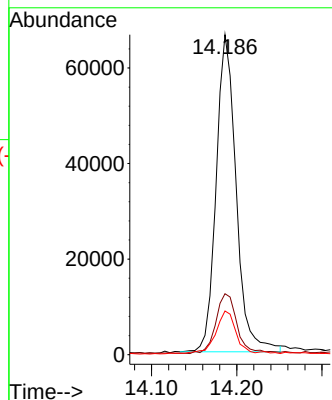
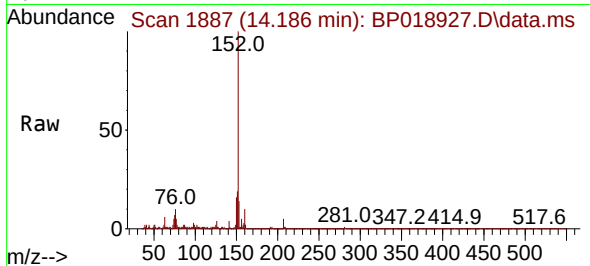
#50
Acenaphthylene
Concen: 2.213 ng/ul
RT: 14.186 min Scan# 1886
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Instrument :
BNA_P
ClientSampleId :
BH3P9

Tgt Ion:152 Resp: 10816
Ion Ratio Lower Upper
152 100
151 19.0 15.9 23.9
153 13.6 10.6 16.0

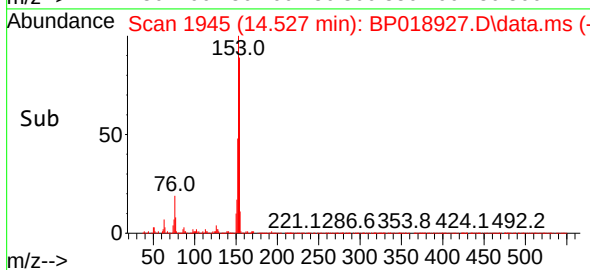
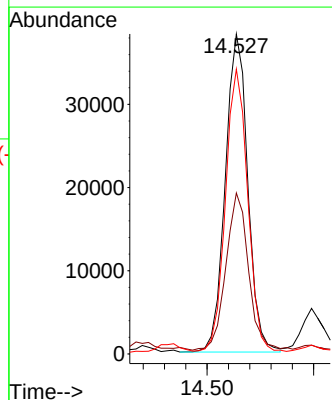
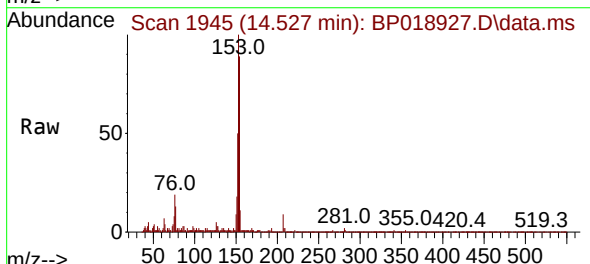
Manual Integrations
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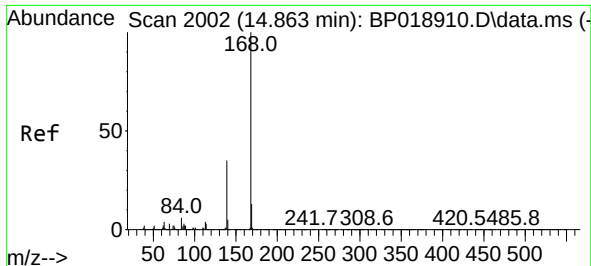
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#52
Acenaphthene
Concen: 1.735 ng/ul
RT: 14.527 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

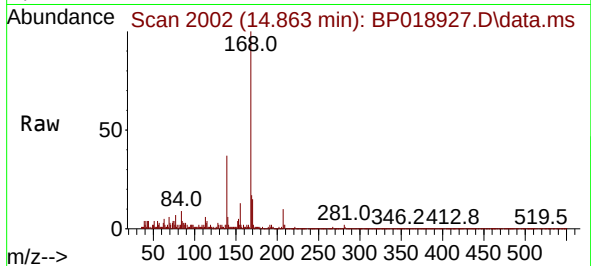
Tgt Ion:153 Resp: 56071
Ion Ratio Lower Upper
153 100
152 50.3 38.1 57.1
154 89.0 71.7 107.5





#56
Dibenzenofuran
Concen: 1.193 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

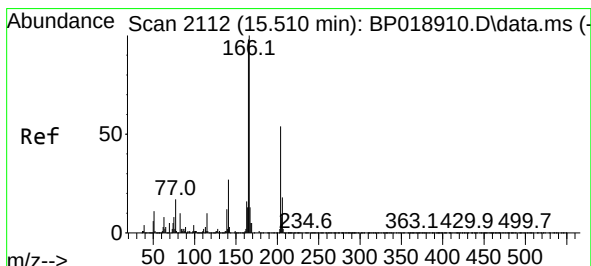
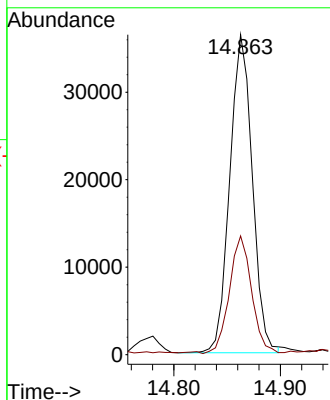
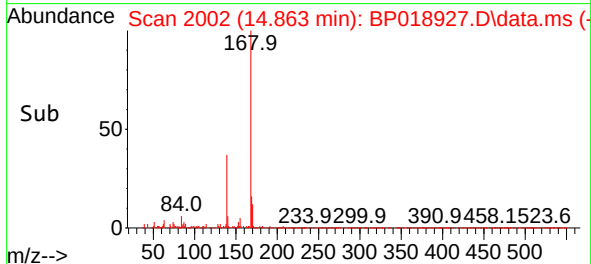
Instrument :
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Tgt Ion:168 Resp: 5357
Ion Ratio Lower Upper
168 100
139 37.1 29.1 43.7

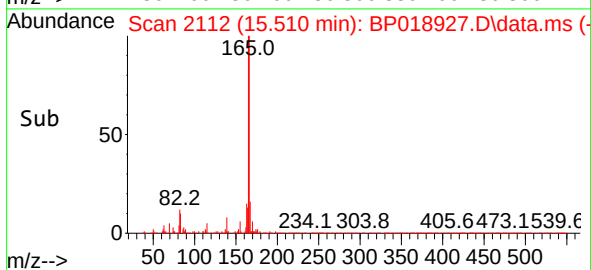
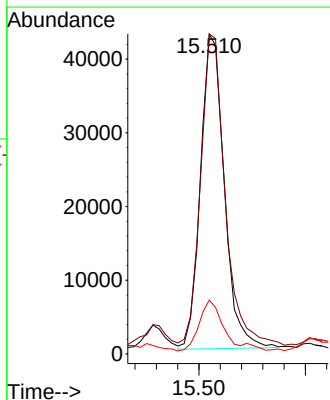
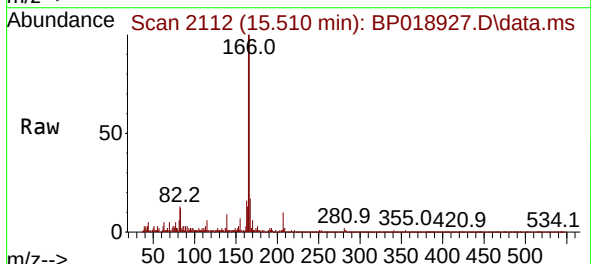
Manual Integrations
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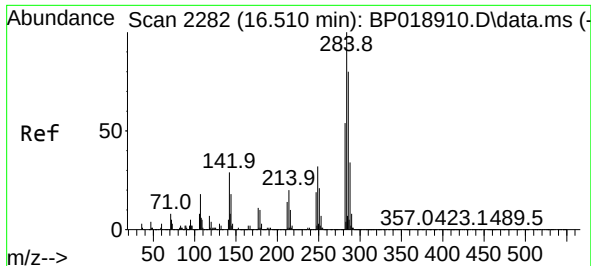
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 1.868 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

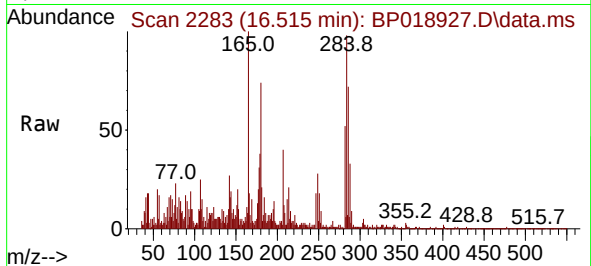
Tgt Ion:166 Resp: 66395
Ion Ratio Lower Upper
166 100
165 100.1 78.0 117.0
167 16.8 10.8 16.2#





#69
Hexachlorobenzene
Concen: 1.118 ng/ul
RT: 16.515 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

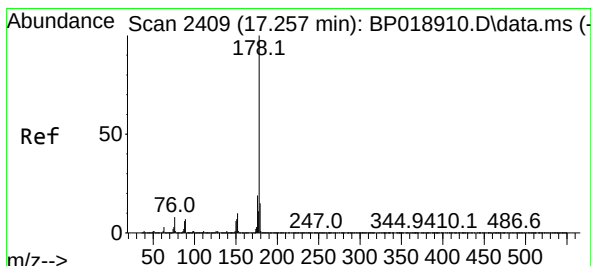
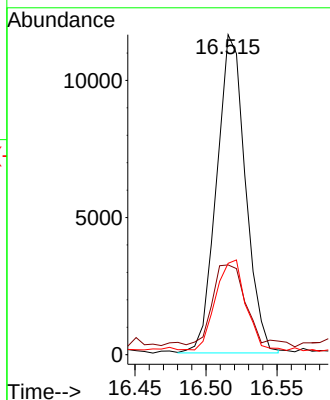
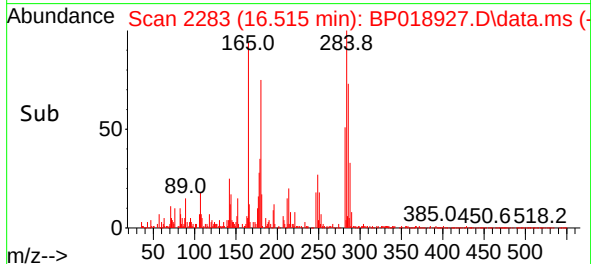
Instrument :
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Tgt Ion: 284 Resp: 16370
Ion Ratio Lower Upper
284 100
142 28.1 25.8 38.6
249 28.6 24.9 37.3

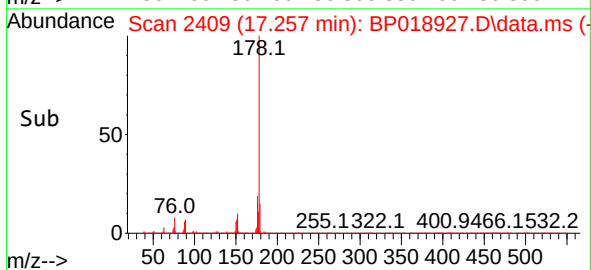
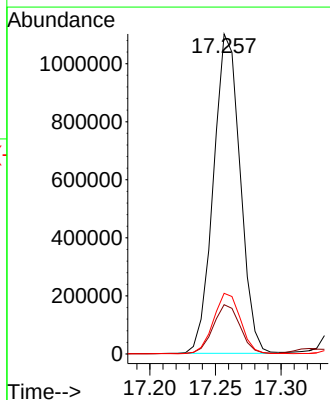
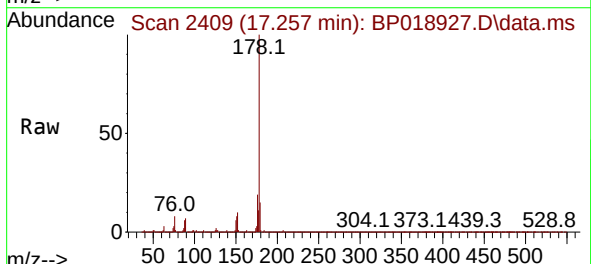
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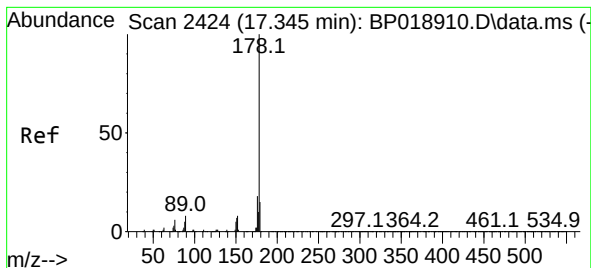
Reviewed By : Yogesh Patel 12/19/2023
Supervised By : mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 24.868 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Tgt Ion: 178 Resp: 1560293
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.0 15.4 23.2





#74

Anthracene

Concen: 6.219 ng/uI

RT: 17.351 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

Instrument :

BNA_P

ClientSampleId :

BH3P9

Tgt Ion:178 Resp: 39113

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

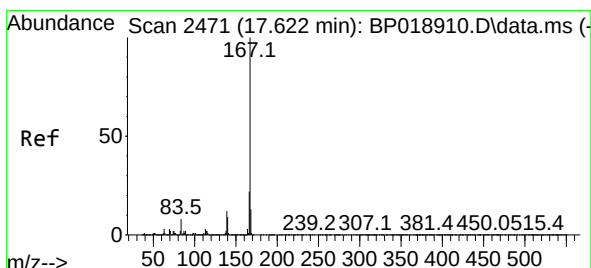
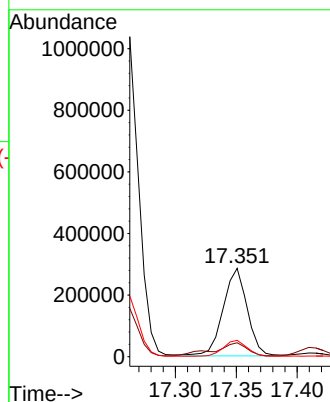
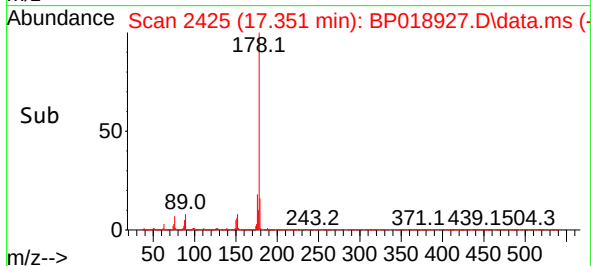
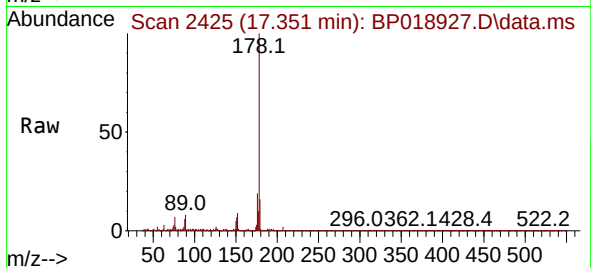
176 18.6 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#77

Carbazole

Concen: 3.526 ng/uI

RT: 17.627 min Scan# 2472

Delta R.T. 0.006 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

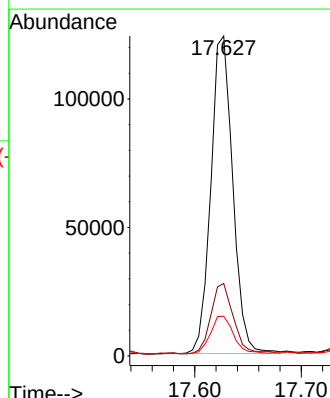
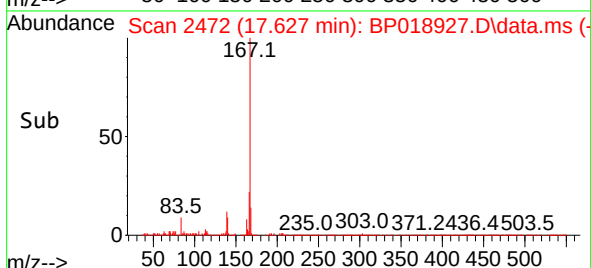
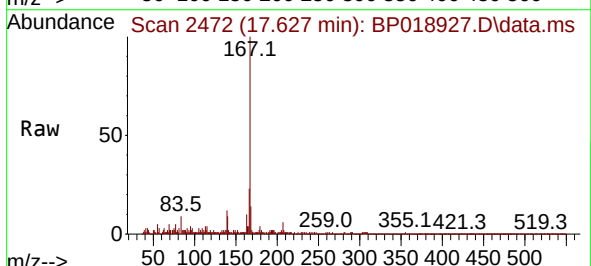
Tgt Ion:167 Resp: 176714

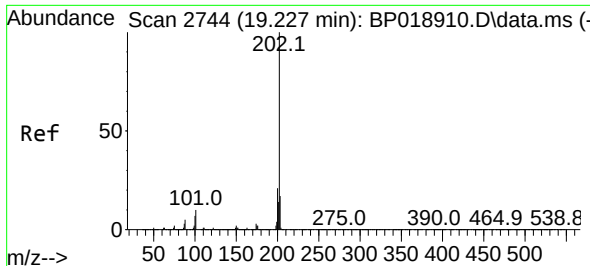
Ion Ratio Lower Upper

167 100

166 22.7 17.1 25.7

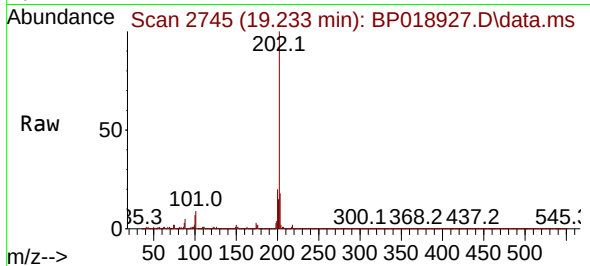
139 12.4 10.2 15.4





#80
Fluoranthene
Concen: 33.463 ng/u1
RT: 19.233 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

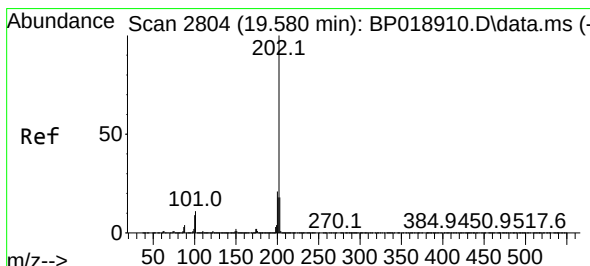
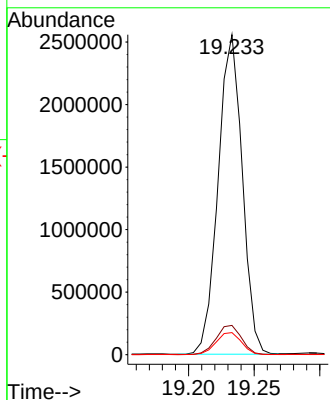
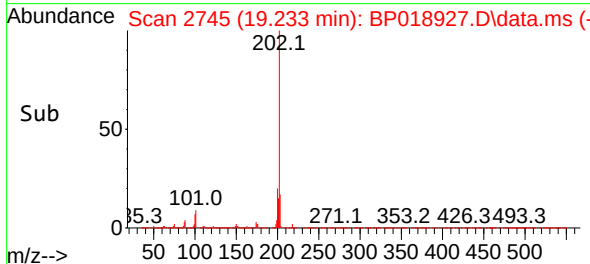
Instrument :
BNA_P
ClientSampleId :
BH3P9



Tgt Ion:202 Resp: 326900
Ion Ratio Lower Upper
202 100
101 9.2 9.1 13.7
100 6.9 7.1 10.7

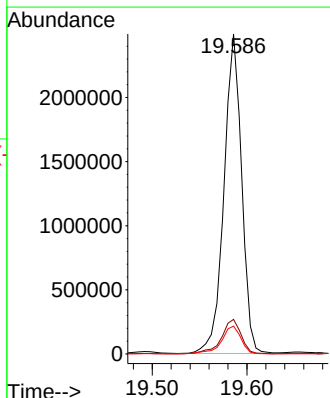
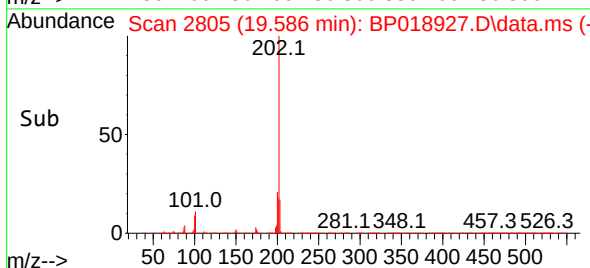
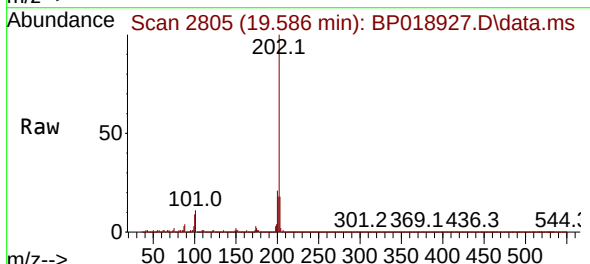
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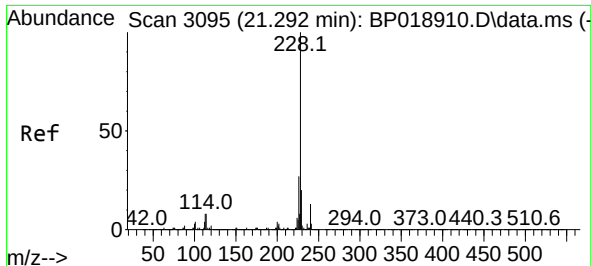
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 32.735 ng/u1
RT: 19.586 min Scan# 2805
Delta R.T. 0.006 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

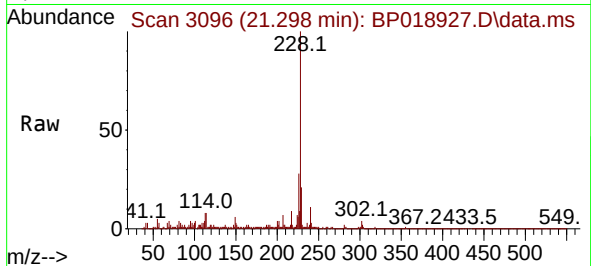
Tgt Ion:202 Resp: 3226043
Ion Ratio Lower Upper
202 100
101 10.8 11.0 16.4#
100 8.7 9.1 13.7#





#85
Benzo(a)anthracene
Concen: 22.393 ng/ul
RT: 21.298 min Scan# 3096
Delta R.T. 0.011 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

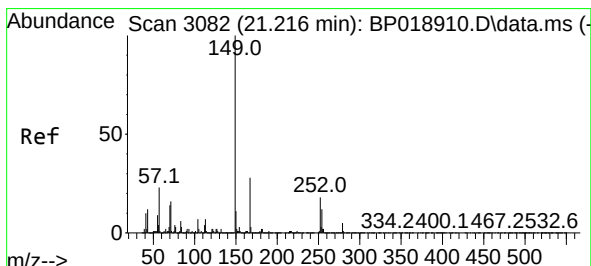
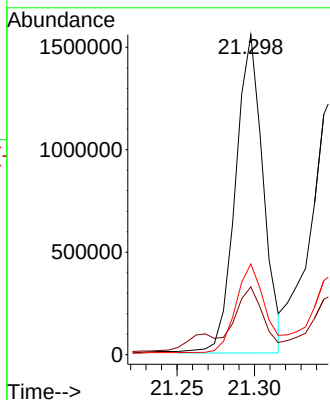
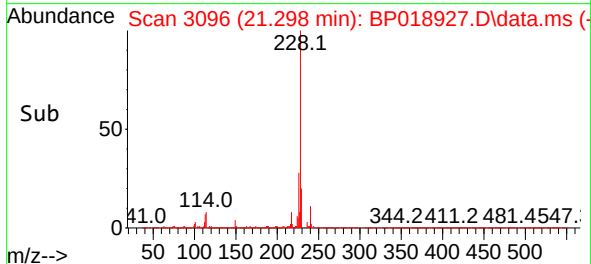
Instrument :
BNA_P
ClientSampleId :
BH3P9



Tgt Ion:228 Resp: 1929728
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 28.3 21.9 32.9

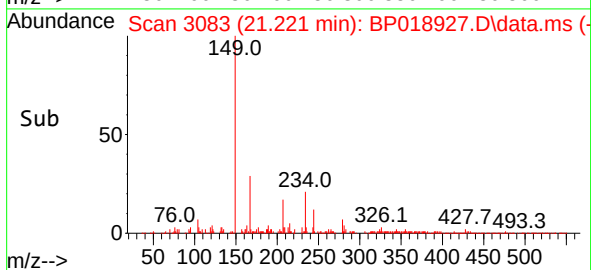
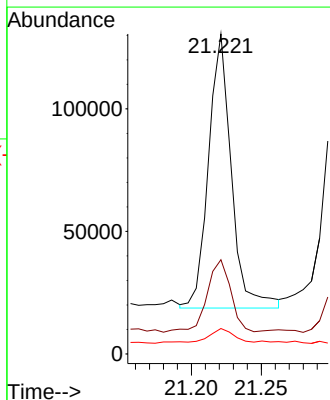
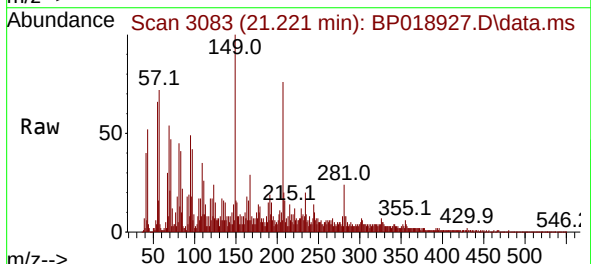
Manual Integrations
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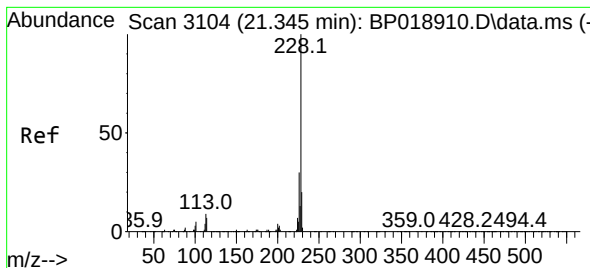
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.565 ng/ul m
RT: 21.221 min Scan# 3083
Delta R.T. 0.006 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Tgt Ion:149 Resp: 127169
Ion Ratio Lower Upper
149 100
167 29.5 22.2 33.2
279 8.0 3.3 4.9#





#87

Chrysene

Concen: 23.953 ng/u1

RT: 21.351 min Scan# 3104

Delta R.T. 0.011 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

Instrument :

BNA_P

ClientSampleId :

BH3P9

Tgt Ion:228 Resp: 1900869

Ion Ratio Lower Upper

228 100

226 31.0 23.9 35.9

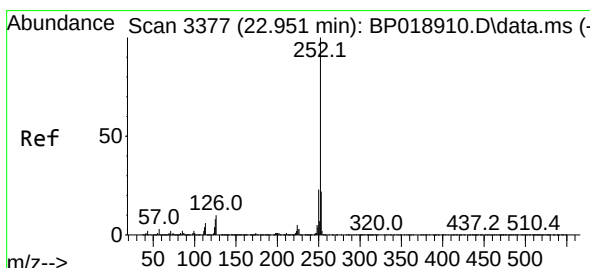
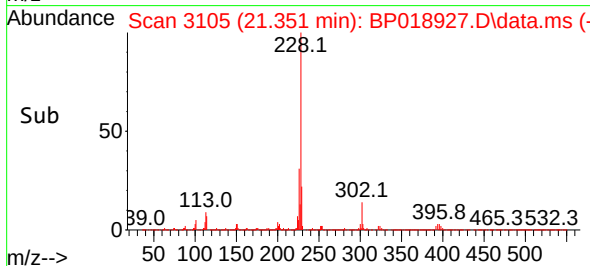
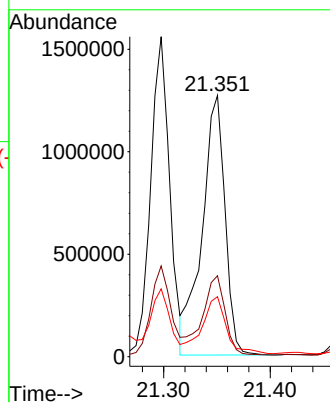
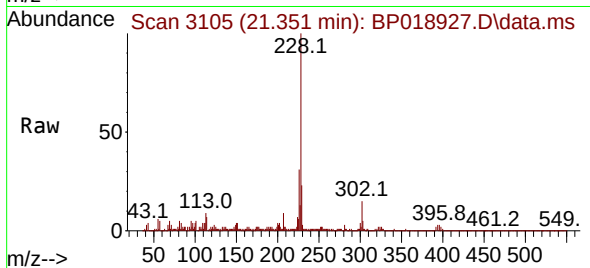
229 23.0 15.6 23.4

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 26.090 ng/u1

RT: 22.968 min Scan# 3380

Delta R.T. 0.023 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

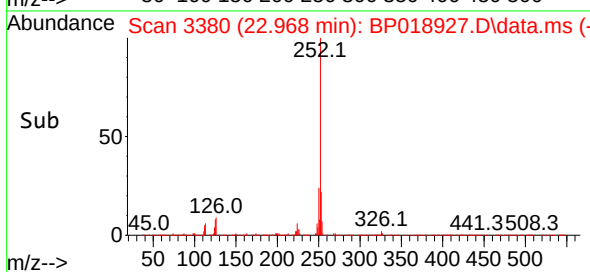
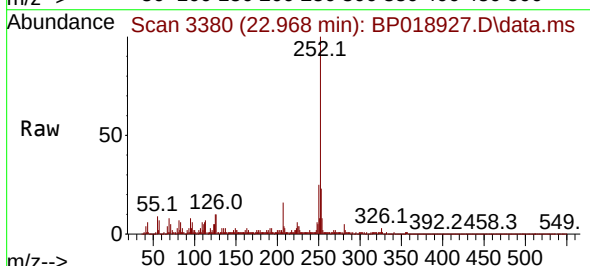
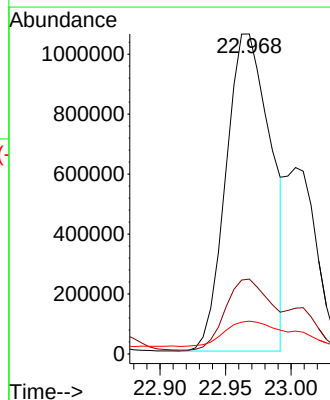
Tgt Ion:252 Resp: 2515436

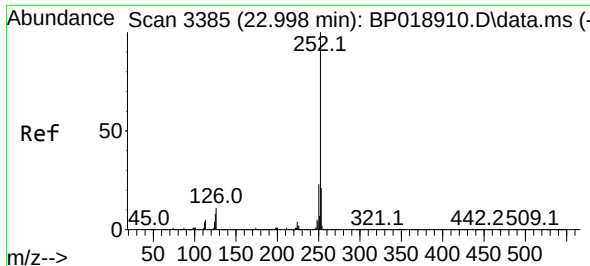
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 10.2 7.8 11.6





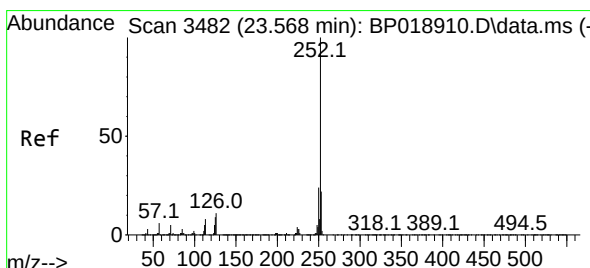
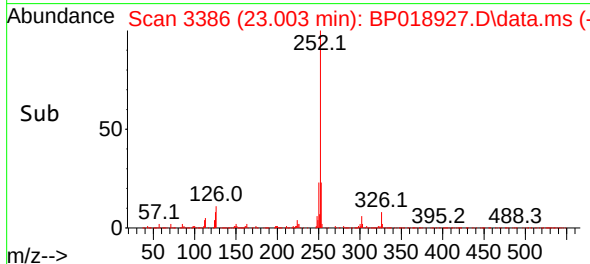
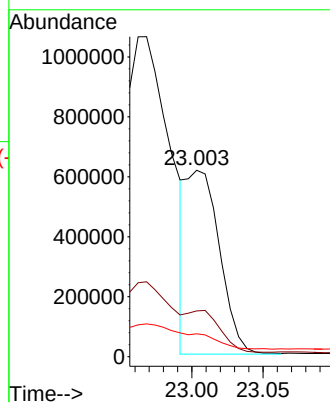
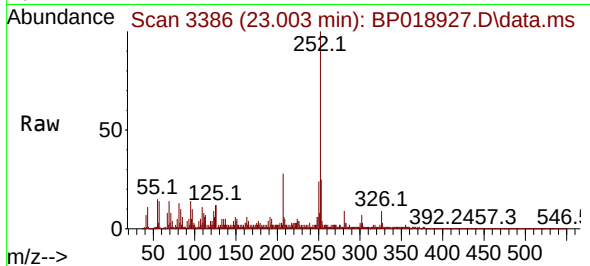
#91
Benzo(k)fluoranthene
Concen: 10.704 ng/ul m
RT: 23.003 min Scan# 3385
Delta R.T. 0.011 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Instrument :
BNA_P
ClientSampleId :
BH3P9

Tgt Ion:252 Resp: 998540
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 12.3 8.0 12.0

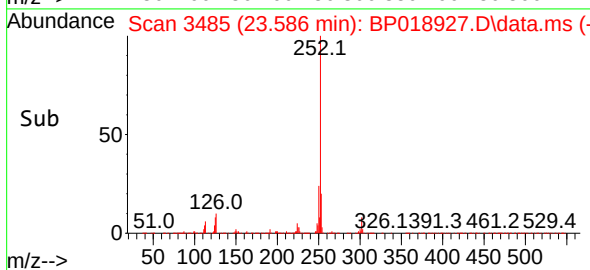
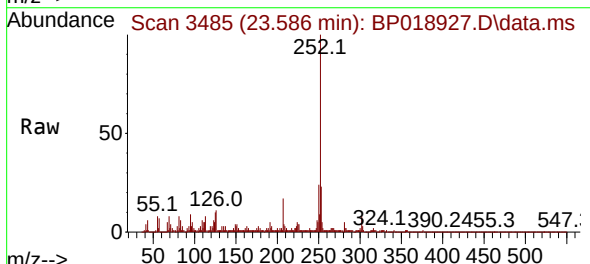
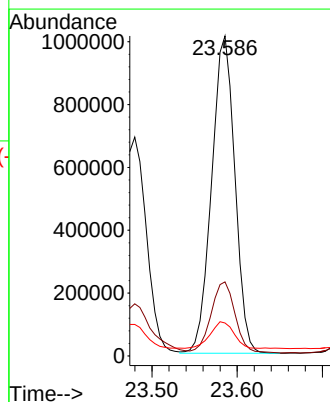
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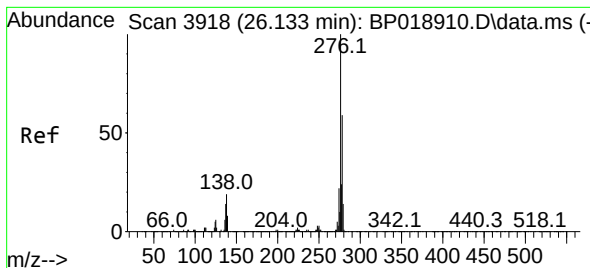
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#93
Benzo(a)pyrene
Concen: 21.744 ng/ul
RT: 23.586 min Scan# 3485
Delta R.T. 0.023 min
Lab File: BP018927.D
Acq: 19 Dec 2023 02:39

Tgt Ion:252 Resp: 1915508
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.3 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 13.339 ng/ul

RT: 26.162 min Scan# 3918

Delta R.T. 0.041 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

Instrument :

BNA_P

ClientSampleId :

BH3P9

Tgt Ion:276 Resp: 140402

Ion Ratio Lower Upper

276 100

138 16.7 19.4 29.2

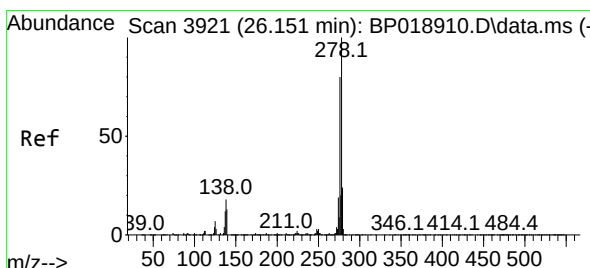
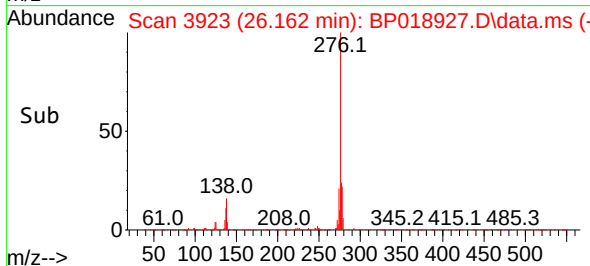
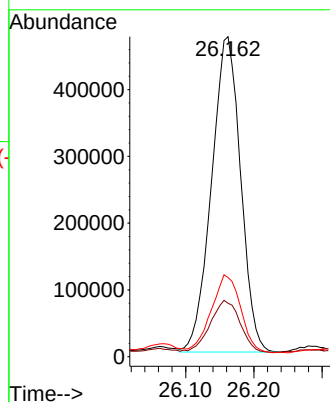
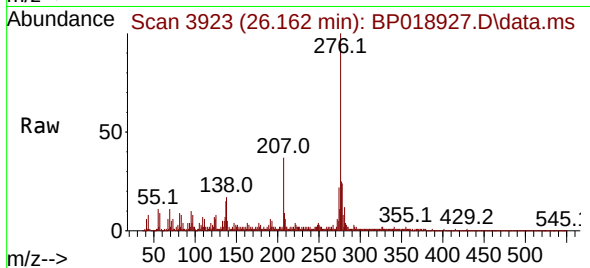
277 24.7 19.8 29.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.350 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. 0.029 min

Lab File: BP018927.D

Acq: 19 Dec 2023 02:39

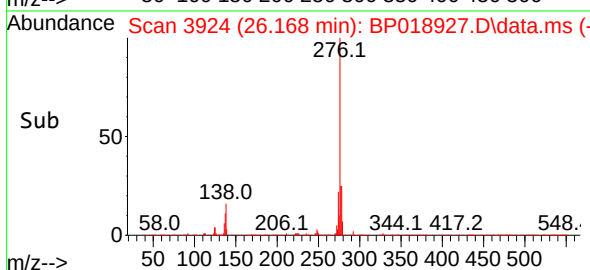
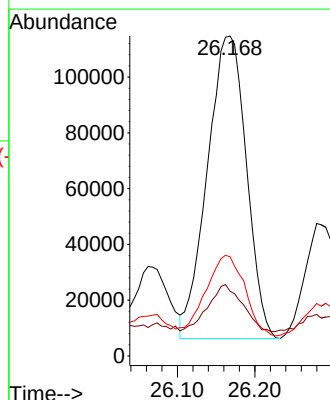
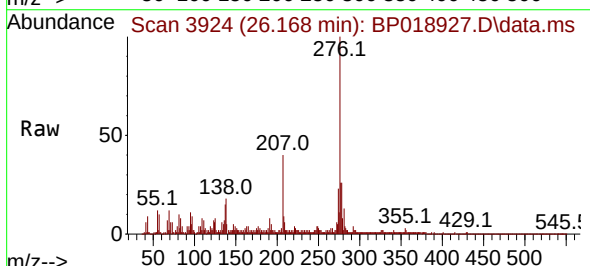
Tgt Ion:278 Resp: 380865

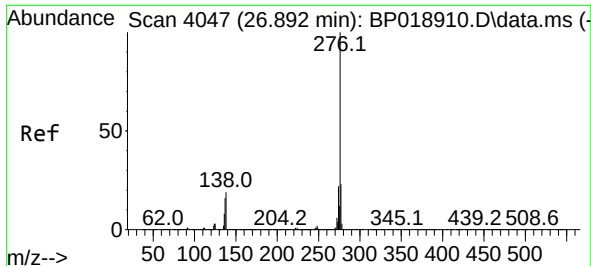
Ion Ratio Lower Upper

278 100

139 20.2 13.0 19.6

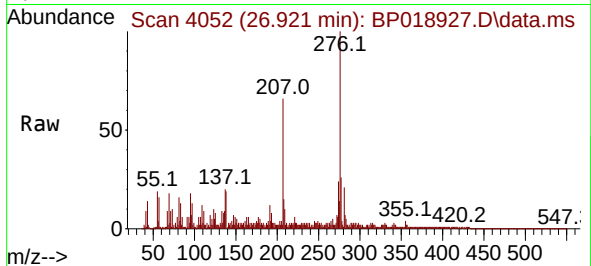
279 31.0 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 10.396 ng/ul
 RT: 26.921 min Scan# 4052
 Delta R.T. 0.047 min
 Lab File: BP018927.D
 Acq: 19 Dec 2023 02:39

Instrument :
 BNA_P
 ClientSampleId :
 BH3P9



Tgt Ion:276 Resp: 880635
 Ion Ratio Lower Upper
 276 100
 138 19.4 18.1 27.1
 277 25.9 19.4 29.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

