

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018907.D
 Acq On : 18 Dec 2023 15:18
 Operator : MA/JU
 Sample : 05794-06 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q0

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 23:19:29 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	7.828	152	277294	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	978993	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	557513	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1219316	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1281156	20.000	ng/u1	0.00
88) Perylene-d12	23.674	264	1553867	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	3293	0.405	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.005	99	46249	1.662	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.164	67	28830	1.748	ng/u1	0.00
11) 2-Chlorophenol-d4	7.364	132	38646	1.780	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	32303	1.434	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	15844	1.818	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	15930	1.763	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	34256	1.854	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	13294	0.551	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	104018	2.090	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	116167	2.120	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	7000	0.857	ng/u1	0.01
60) Fluorene-d10	15.451	176	94615	2.265	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.575	200	2496	0.341	ng/u1	0.00
73) Anthracene-d10	17.310	188	156517	2.442	ng/u1	0.00
81) Pyrene-d10	19.545	212	201299	2.018	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.516	264	212556	2.346	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.658	105	62556	1.864	ng/u1	99
61) Fluorene	15.510	166	45961	1.026	ng/u1	99
69) Hexachlorobenzene	16.510	284	24220	1.409	ng/u1	94
72) Phenanthrene	17.257	178	793455	10.775	ng/u1	99
74) Anthracene	17.345	178	197531	2.676	ng/u1	100
77) Carbazole	17.622	167	88940	1.512	ng/u1	98
80) Fluoranthene	19.228	202	1316142	11.165	ng/u1	95
82) Pyrene	19.581	202	1145319	9.631	ng/u1	94
85) Benzo(a)anthracene	21.286	228	617396	5.937	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	209500	3.501	ng/u1#	99
87) Chrysene	21.339	228	579247	6.049	ng/u1	96
90) Benzo(b)fluoranthene	22.951	252	874612	7.634	ng/u1	97
91) Benzo(k)fluoranthene	22.992	252	294984m	2.661	ng/u1	
93) Benzo(a)pyrene	23.563	252	636940	6.084	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.127	276	534379	4.272	ng/u1#	94
95) Dibenzo(a,h)anthracene	26.133	278	151045	1.452	ng/u1#	89
96) Benzo(g,h,i)perylene	26.886	276	281160	2.793	ng/u1	94

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

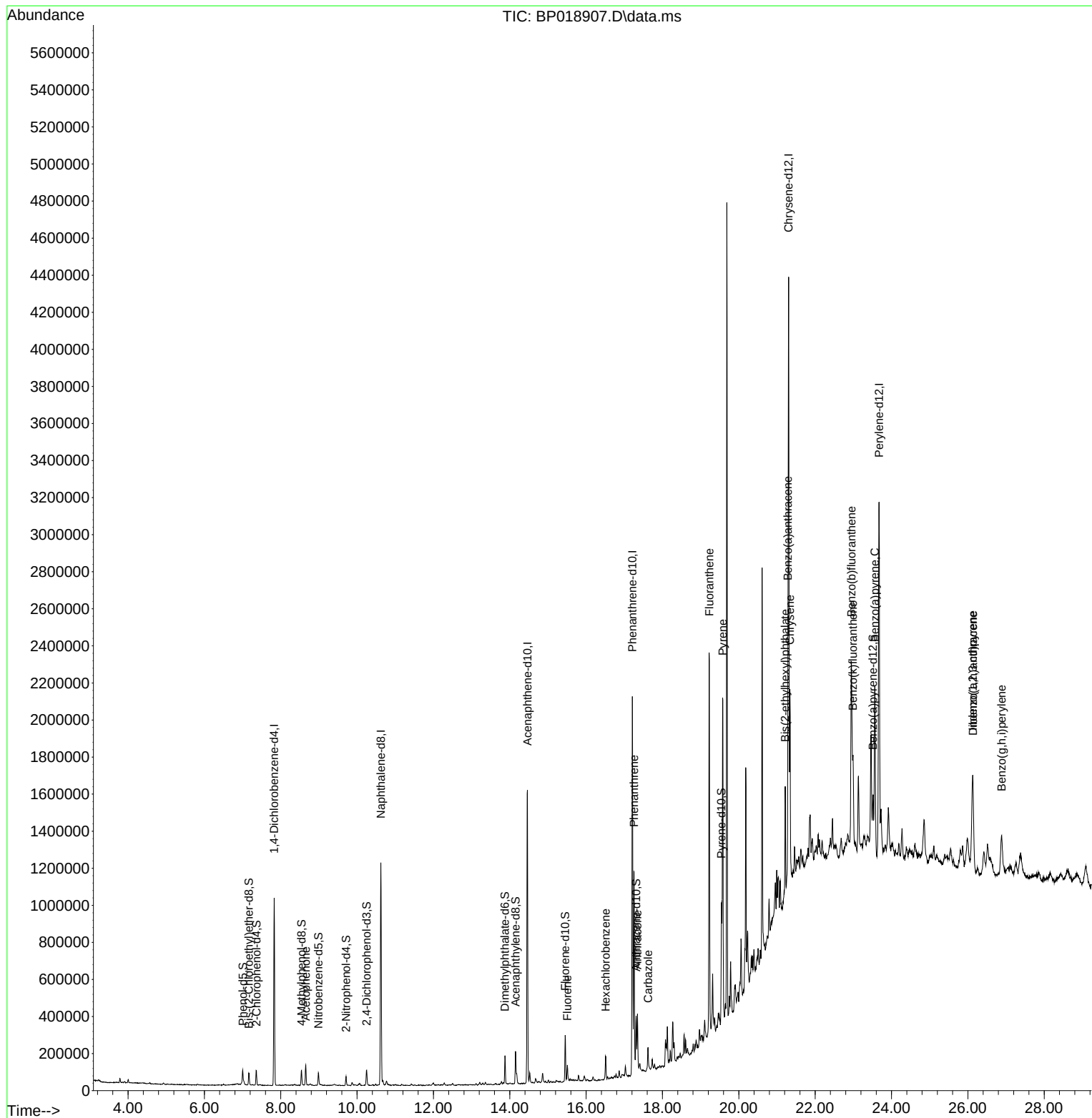
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018907.D
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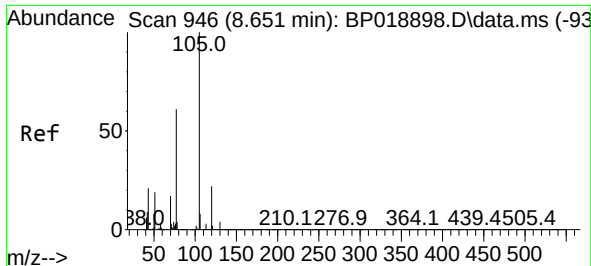
Instrument :
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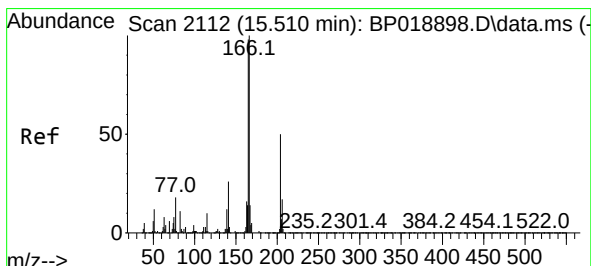
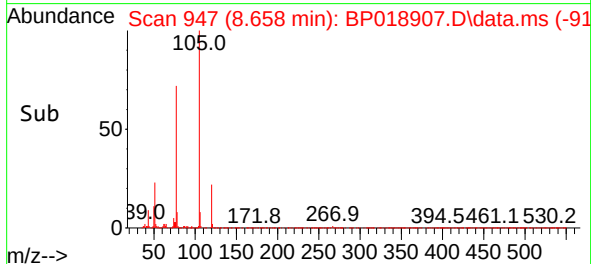
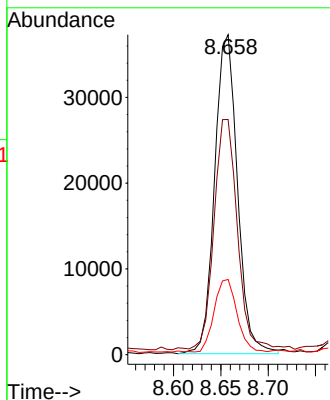
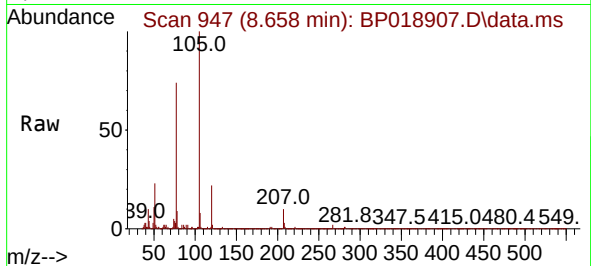
#16
Acetophenone
Concen: 1.864 ng/ul
RT: 8.658 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Instrument :
BNA_P
ClientSampleId :
BH3Q0

Tgt Ion:105 Resp: 62550
Ion Ratio Lower Upper
105 100
77 73.5 59.4 89.0
51 23.5 19.4 29.0

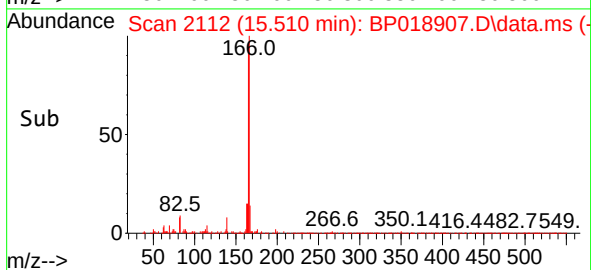
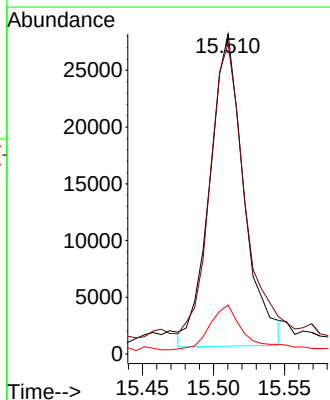
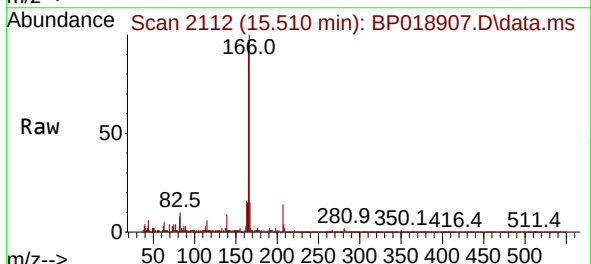
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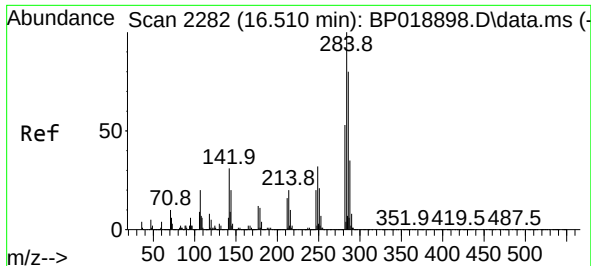
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 1.026 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Tgt Ion:166 Resp: 45961
Ion Ratio Lower Upper
166 100
165 97.0 78.0 117.0
167 15.3 10.8 16.2





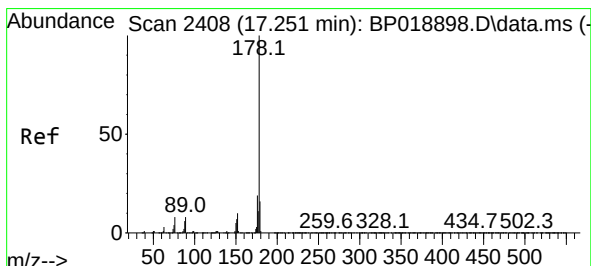
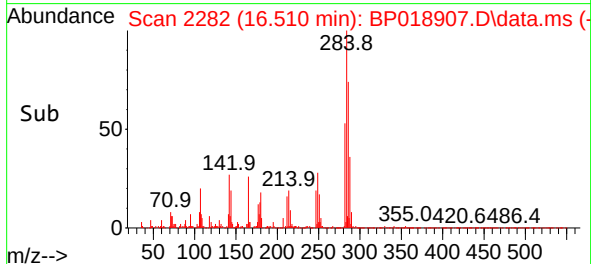
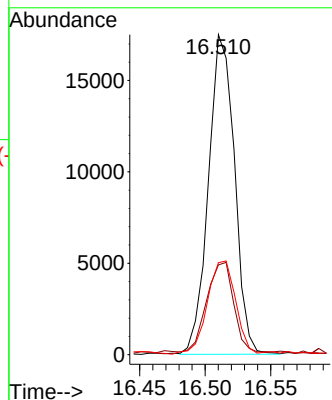
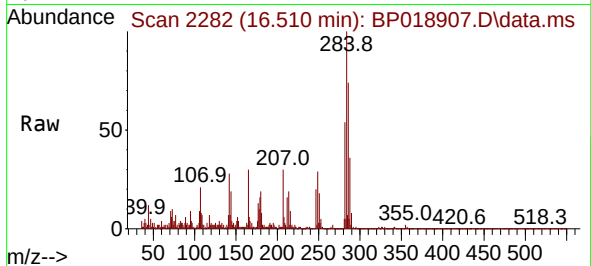
#69
Hexachlorobenzene
Concen: 1.409 ng/ul
RT: 16.510 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Instrument :
BNA_P
ClientSampleId :
BH3Q0

Tgt Ion:	284	Resp:	24220
Ion Ratio	Lower	Upper	
284	100		
142	28.1	25.8	38.6
249	28.8	24.9	37.3

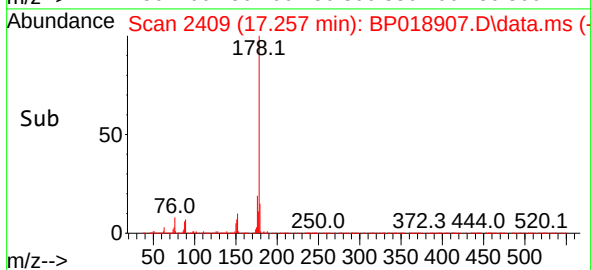
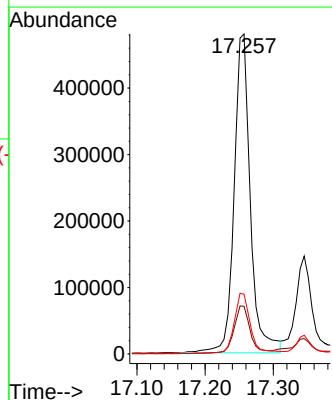
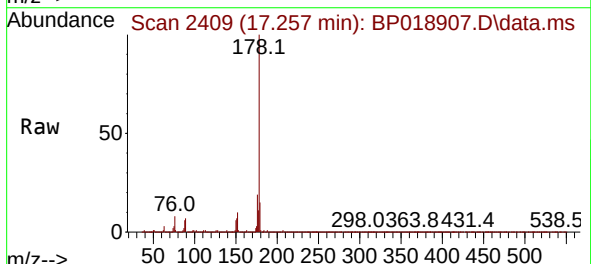
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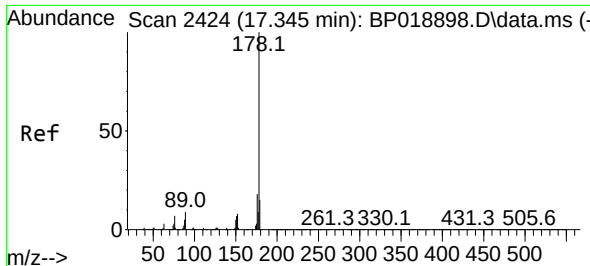
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#72
Phenanthrene
Concen: 10.775 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

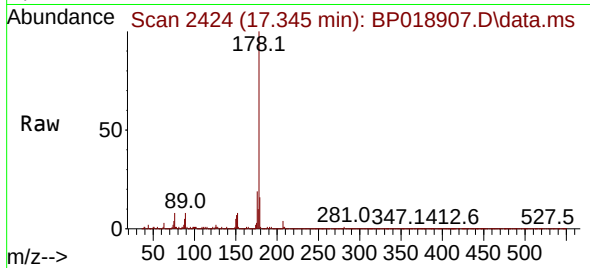
Tgt Ion:	178	Resp:	793455
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.3	18.5
176	18.7	15.4	23.2





#74
 Anthracene
 Concen: 2.676 ng/ul
 RT: 17.345 min Scan# 2424
 Delta R.T. 0.000 min
 Lab File: BP018907.D
 Acq: 18 Dec 2023 15:18

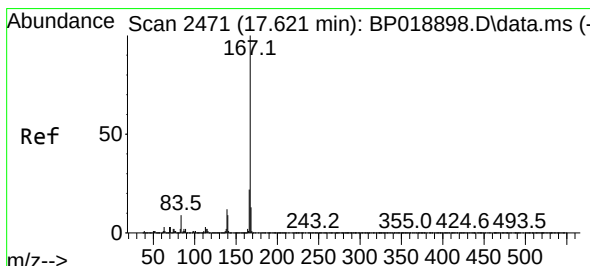
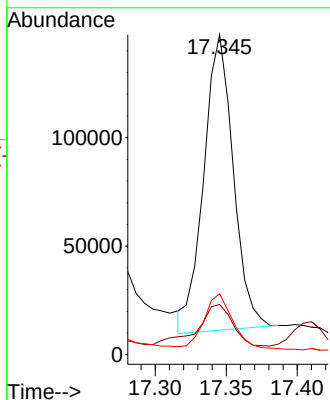
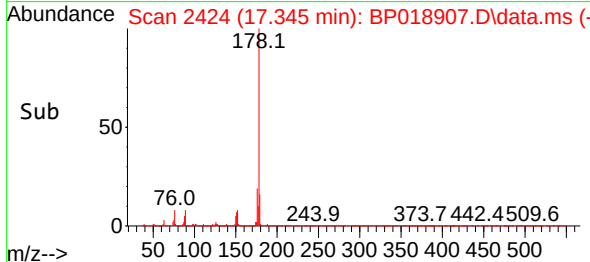
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q0



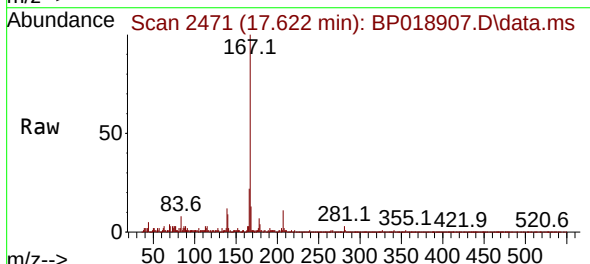
Tgt Ion:178 Resp: 19753
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 19.1 15.0 22.6

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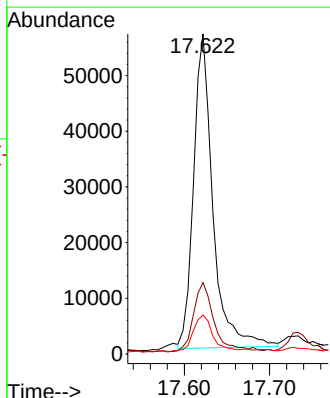
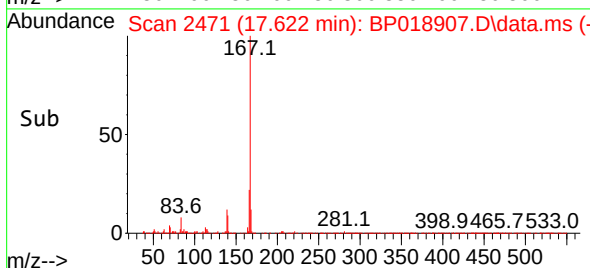
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

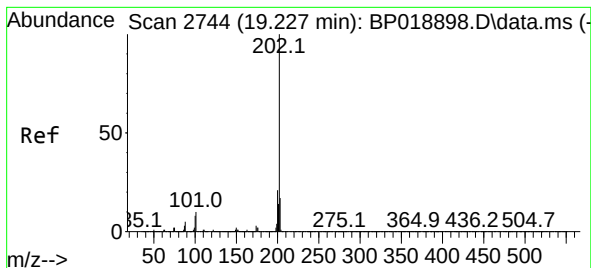


#77
 Carbazole
 Concen: 1.512 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP018907.D
 Acq: 18 Dec 2023 15:18



Tgt Ion:167 Resp: 88940
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 12.2 10.2 15.4





#80

Fluoranthene

Concen: 11.165 ng/ul

RT: 19.228 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP018907.D

Acq: 18 Dec 2023 15:18

Instrument :

BNA_P

ClientSampleId :

BH3Q0

Tgt Ion:202 Resp: 131614

Ion Ratio Lower Upper

202 100

101 9.4 9.1 13.7

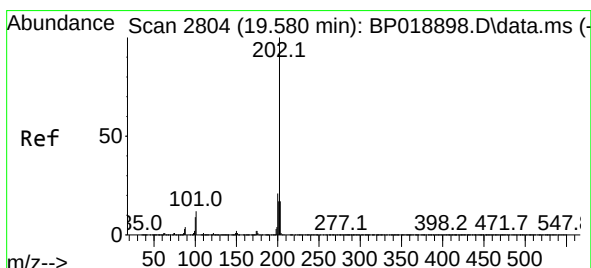
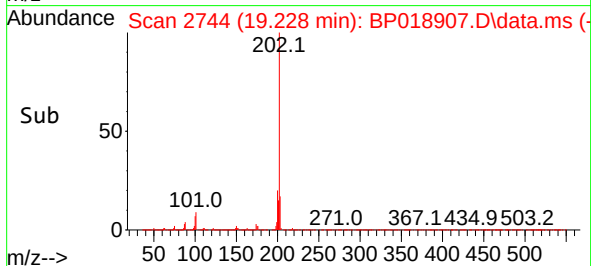
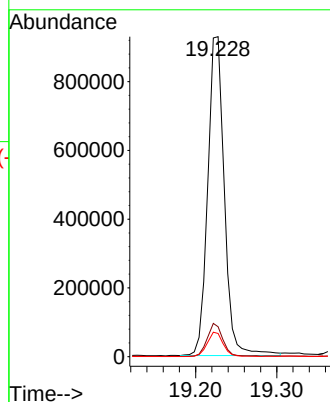
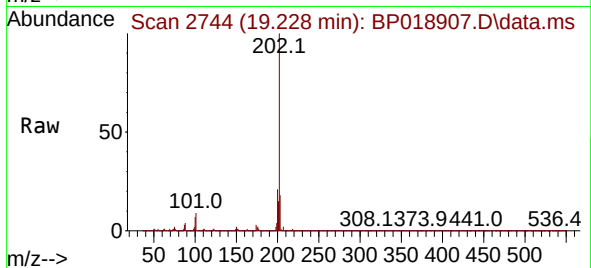
100 7.2 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#82

Pyrene

Concen: 9.631 ng/ul

RT: 19.581 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BP018907.D

Acq: 18 Dec 2023 15:18

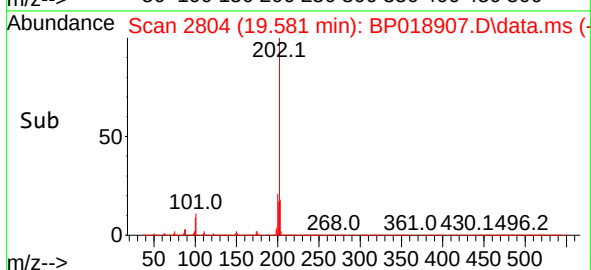
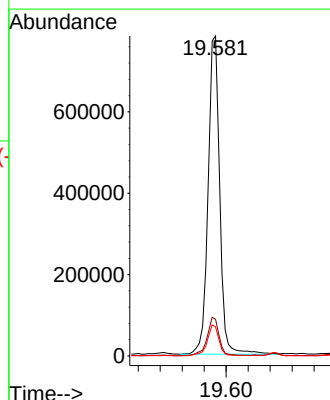
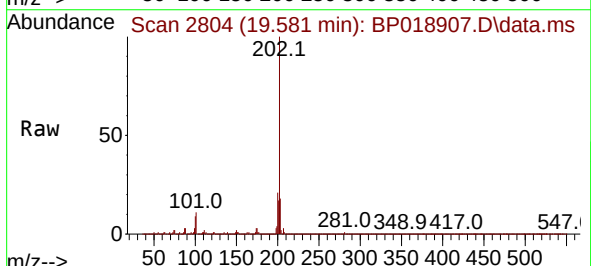
Tgt Ion:202 Resp: 1145319

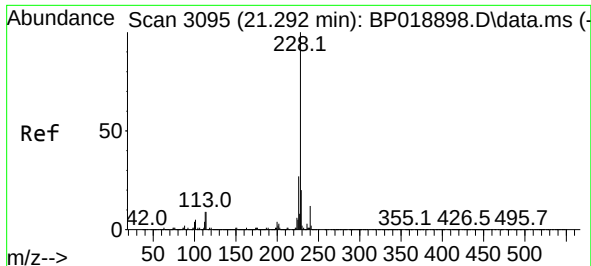
Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.4

100 9.1 9.1 13.7





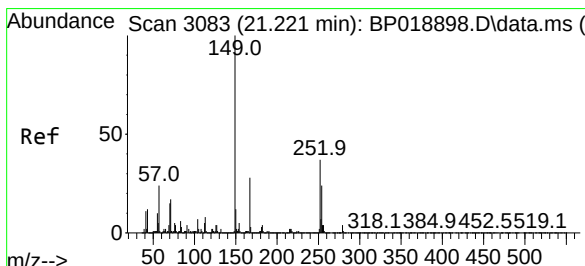
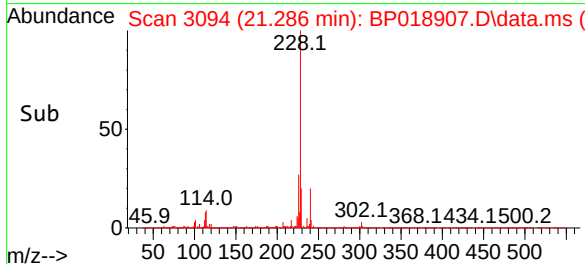
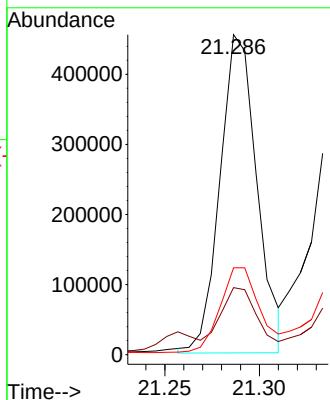
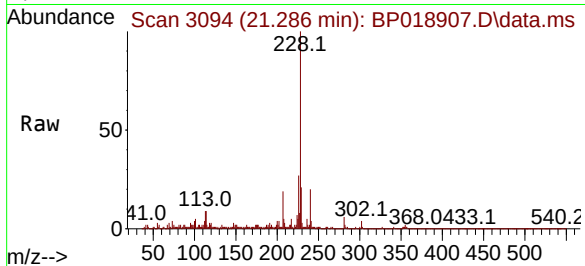
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Benzo(a)anthracene
Concen: 5.937 ng/ul
RT: 21.286 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Instrument :
BNA_P
ClientSampleId :
BH3Q0

Tgt Ion:228 Resp: 617390
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 27.2 21.9 32.9

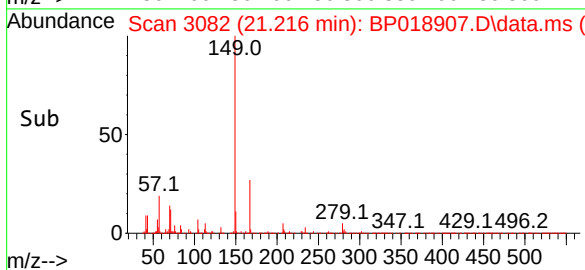
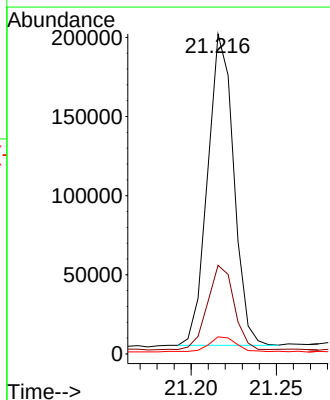
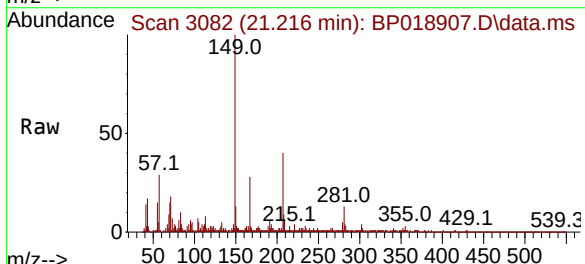
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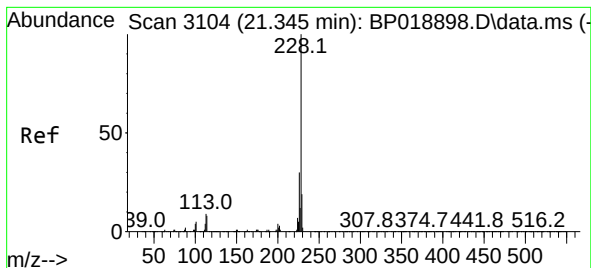
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 3.501 ng/ul
RT: 21.216 min Scan# 3082
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Tgt Ion:149 Resp: 209500
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 5.4 3.3 4.9





#87

Chrysene

Concen: 6.049 ng/ul

RT: 21.339 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP018907.D

Acq: 18 Dec 2023 15:18

Instrument :

BNA_P

ClientSampleId :

BH3Q0

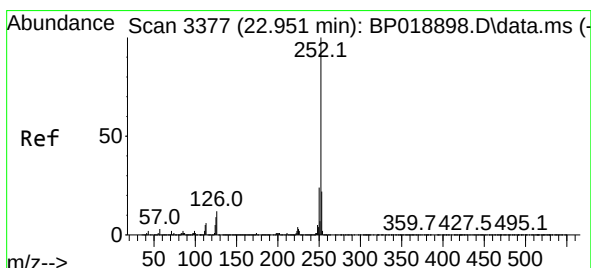
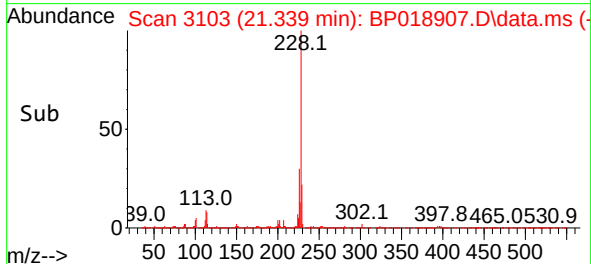
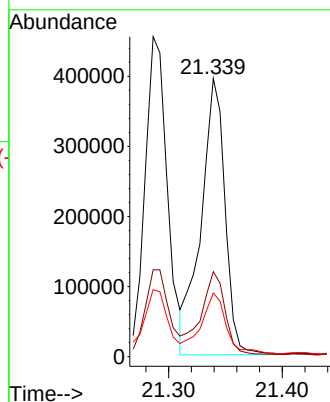
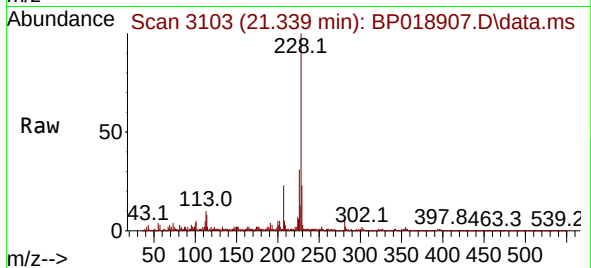
Tgt Ion:228	Resp: 57924
Ion Ratio	Lower Upper
228 100	
226 30.5	23.9 35.9
229 22.9	15.6 23.4

Manual Integrations

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Supervised By :mohammad ahmed 12/20/2023



#90

Benzo(b)fluoranthene

Concen: 7.634 ng/ul

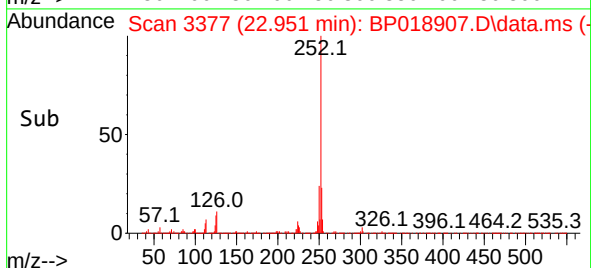
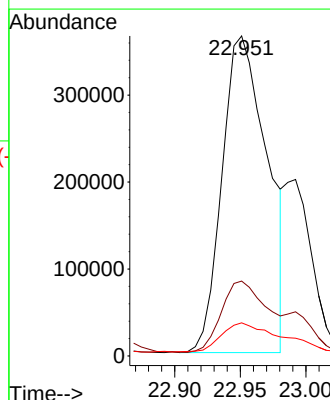
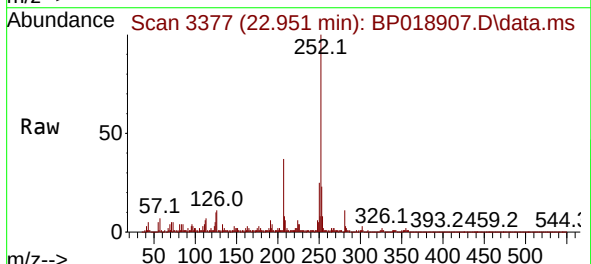
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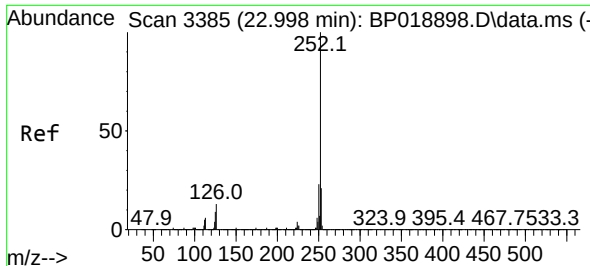
Delta R.T. 0.006 min

Lab File: BP018907.D

Acq: 18 Dec 2023 15:18

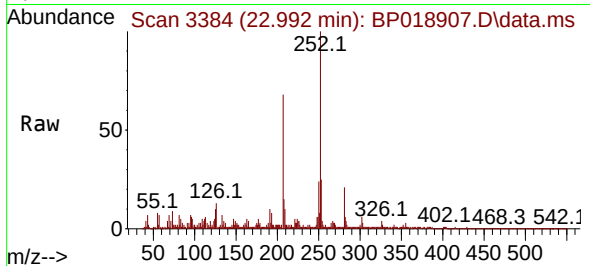
Tgt Ion:252	Resp: 874612
Ion Ratio	Lower Upper
252 100	
253 23.4	17.3 25.9
125 10.3	7.8 11.6





#91
Benzo(k)fluoranthene
Concen: 2.661 ng/ul m
RT: 22.992 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

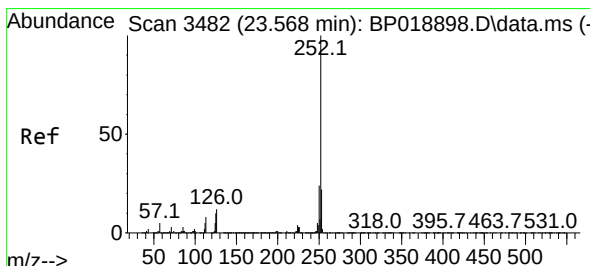
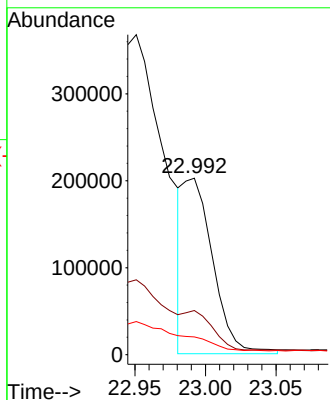
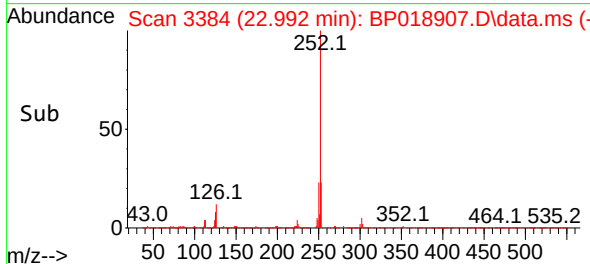
Instrument :
BNA_P
ClientSampleId :
BH3Q0



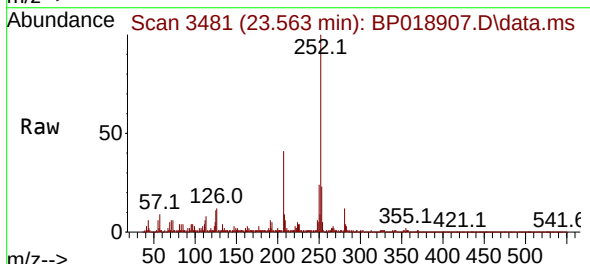
Tgt Ion:252 Resp: 294984
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 10.0 8.0 12.0

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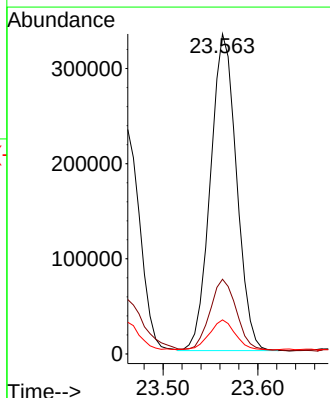
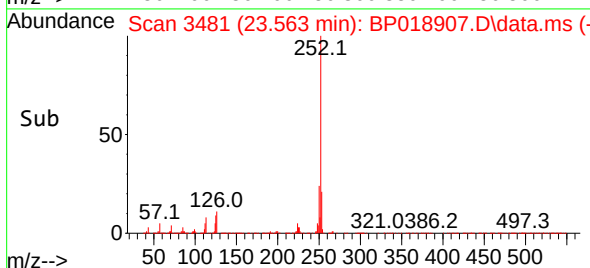
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

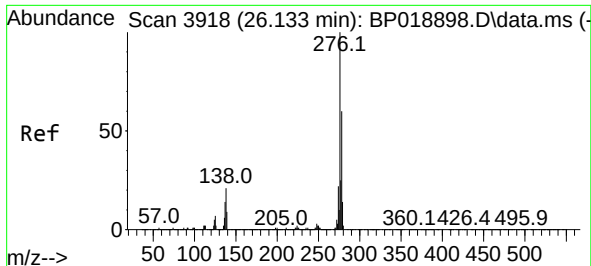


#93
Benzo(a)pyrene
Concen: 6.084 ng/ul
RT: 23.563 min Scan# 3481
Delta R.T. 0.000 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18



Tgt Ion:252 Resp: 636940
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.6 9.2 13.8





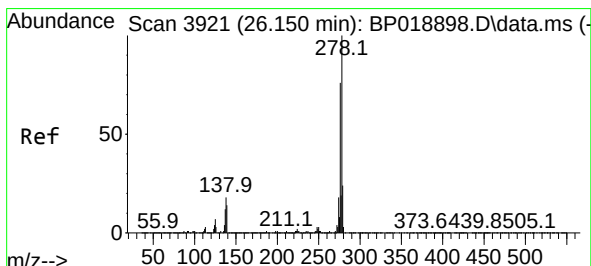
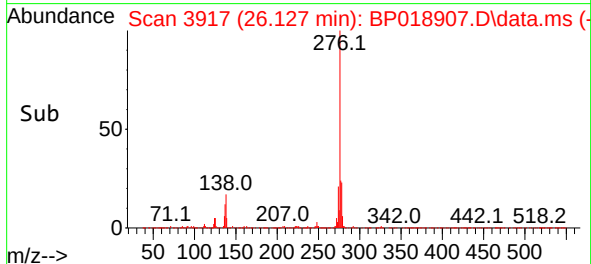
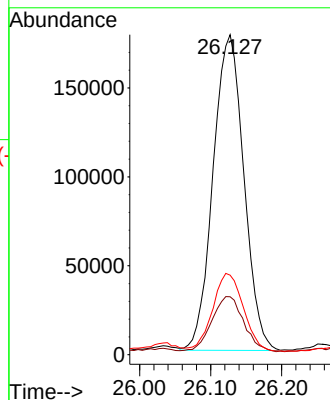
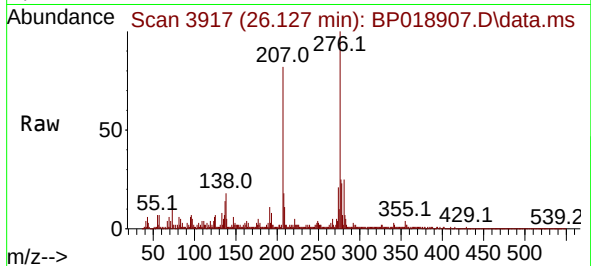
#94
Indeno(1,2,3-cd)pyrene
Concen: 4.272 ng/ul
RT: 26.127 min Scan# 3917
Delta R.T. 0.006 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

Instrument :
BNA_P
ClientSampleId :
BH3Q0

Tgt Ion:276 Resp: 534379
Ion Ratio Lower Upper
276 100
138 18.1 19.4 29.2#
277 24.8 19.8 29.6#

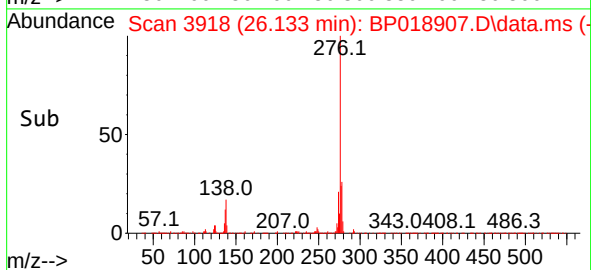
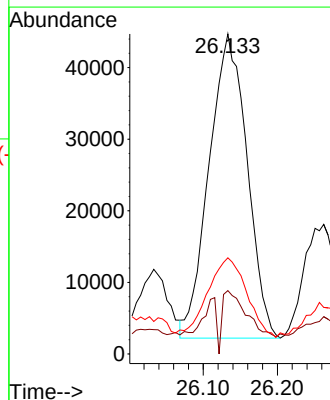
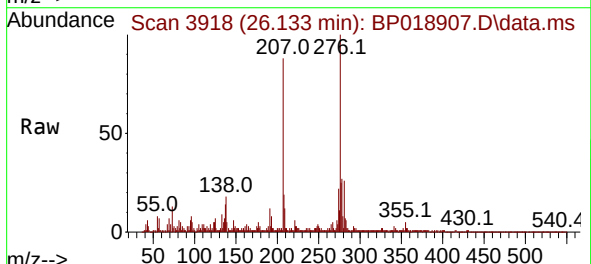
Manual Integrations
APPROVED

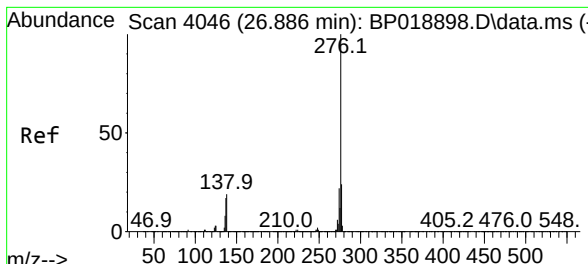
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#95
Dibenzo(a,h)anthracene
Concen: 1.452 ng/ul
RT: 26.133 min Scan# 3918
Delta R.T. -0.006 min
Lab File: BP018907.D
Acq: 18 Dec 2023 15:18

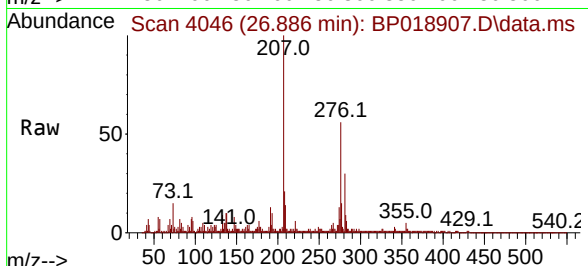
Tgt Ion:278 Resp: 151045
Ion Ratio Lower Upper
278 100
139 19.8 13.0 19.6#
279 30.0 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 2.793 ng/ul
 RT: 26.886 min Scan# 4046
 Delta R.T. 0.012 min
 Lab File: BP018907.D
 Acq: 18 Dec 2023 15:18

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q0



Tgt Ion:	276	Resp:	281160
Ion Ratio	Lower	Upper	
276	100		
138	18.3	18.1	27.1
277	26.3	19.4	29.0

Manual Integrations
 APPROVED

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

