

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018905.D
 Acq On : 18 Dec 2023 14:10
 Operator : MA/JU
 Sample : 05794-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRF9

Manual Integrations APPROVED

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

Quant Time: Dec 18 23:14:43 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

12/19/2023
 Supervised By :mohammad
 ahmed

12/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	240186	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	818912	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	466857	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1064515	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.310	240	1109667	20.000	ng/u1	# 0.00
88) Perylene-d12	23.680	264	1394163	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	3596	0.510	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.999	99	50705	2.104	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	31987	2.239	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	45121	2.399	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	32591	1.671	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	19033	2.611	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	19542	2.586	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	38506	2.492	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	18183	0.900	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	115640	2.775	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	131045	2.856	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	11683	1.708	ng/u1	0.01
60) Fluorene-d10	15.457	176	106199	3.036	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	4327	0.678	ng/u1	0.00
73) Anthracene-d10	17.310	188	173917	3.108	ng/u1	0.00
81) Pyrene-d10	19.551	212	225276	2.608	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.521	264	237900	2.927	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.028	94	24798	1.049	ng/u1	96
16) Acetophenone	8.652	105	138024	4.748	ng/u1	97
30) Naphthalene	10.669	128	98721	1.987	ng/u1	99
36) 2-Methylnaphthalene	12.287	142	50959	1.448	ng/u1	96
50) Acenaphthylene	14.181	152	90316	1.751	ng/u1	99
52) Acenaphthene	14.522	153	176898	5.186	ng/u1	98
56) Dibenzofuran	14.857	168	256281	5.406	ng/u1	98
61) Fluorene	15.510	166	310048	8.266	ng/u1	99
72) Phenanthrene	17.257	178	2033238	31.625	ng/u1	100
74) Anthracene	17.345	178	569907	8.843	ng/u1	100
77) Carbazole	17.622	167	231520	4.508	ng/u1	99
80) Fluoranthene	19.227	202	1983302	19.424	ng/u1	95
82) Pyrene	19.580	202	1737301	16.866	ng/u1	94
85) Benzo(a)anthracene	21.292	228	875591	9.721	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.221	149	55515	1.071	ng/u1#	87
87) Chrysene	21.345	228	805784	9.715	ng/u1	98
90) Benzo(b)fluoranthene	22.957	252	1097740	10.679	ng/u1	95
91) Benzo(k)fluoranthene	22.998	252	397556m	3.997	ng/u1	
93) Benzo(a)pyrene	23.574	252	828047	8.816	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.133	276	580227	5.170	ng/u1	97
95) Dibenzo(a,h)anthracene	26.145	278	160449	1.719	ng/u1#	84
96) Benzo(g,h,i)perylene	26.898	276	372695	4.127	ng/u1	94

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

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

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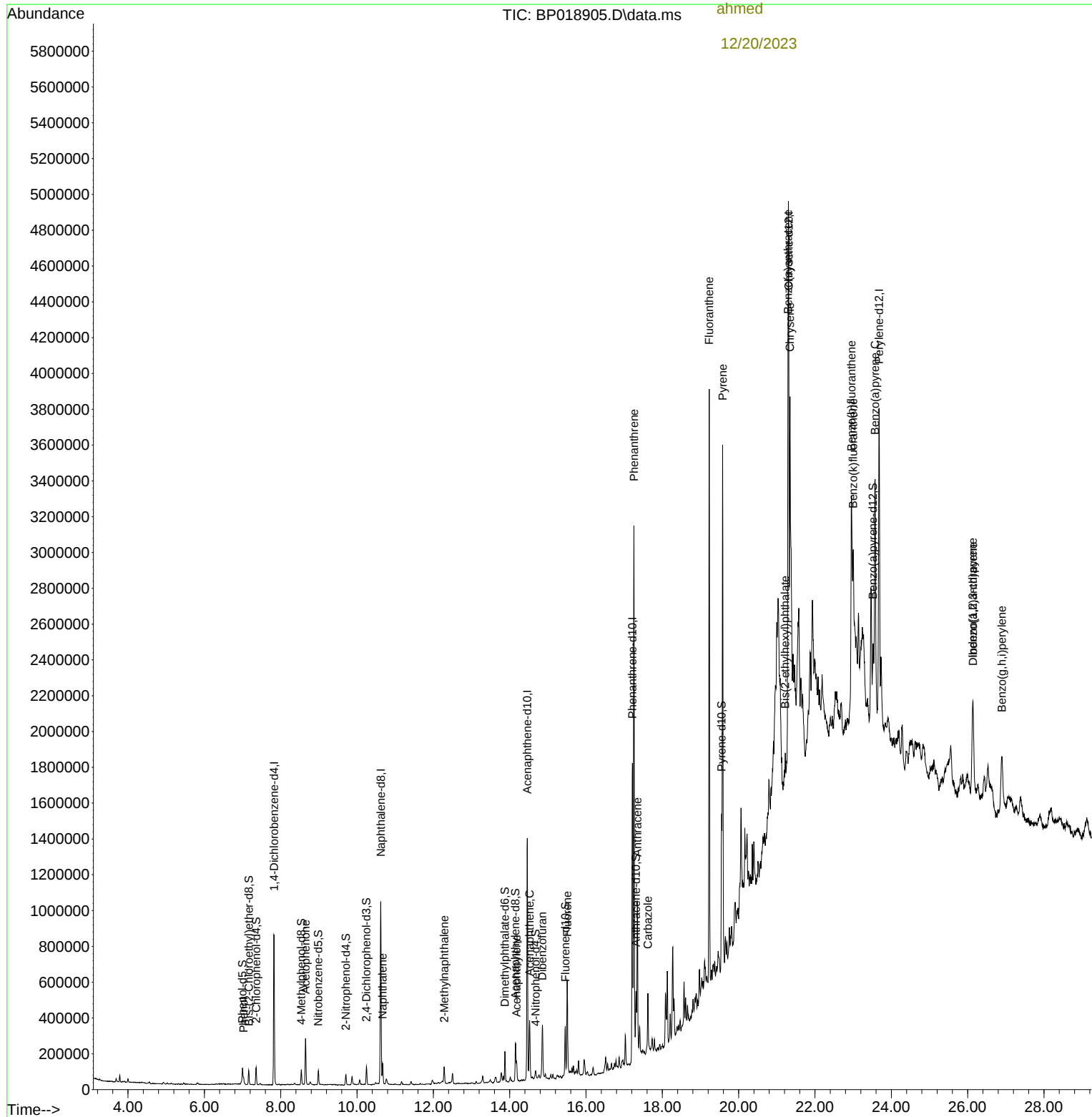
Quant Time: Dec 18 23:14:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
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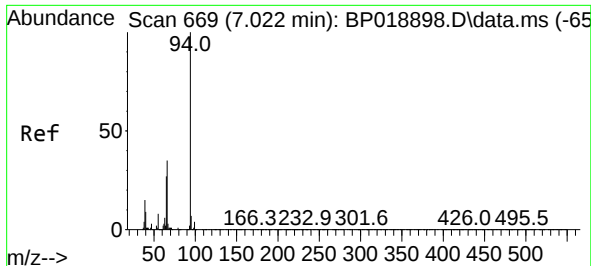
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#8
Phenol
Concen: 1.049 ng/ul
RT: 7.028 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP018905.D
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Instrument :
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ClientSampleId :
BGRF9

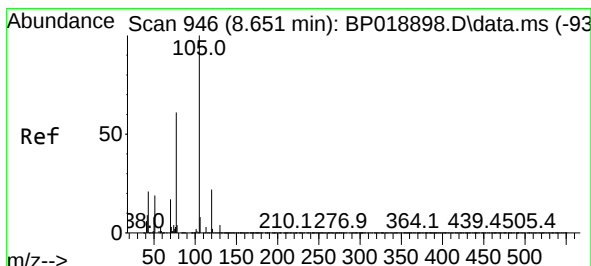
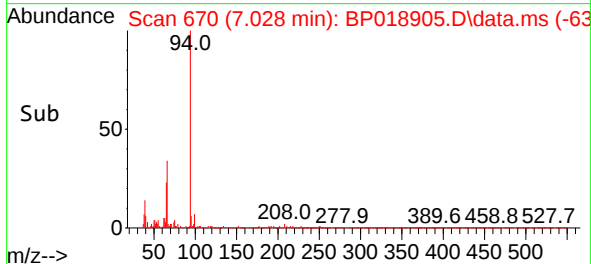
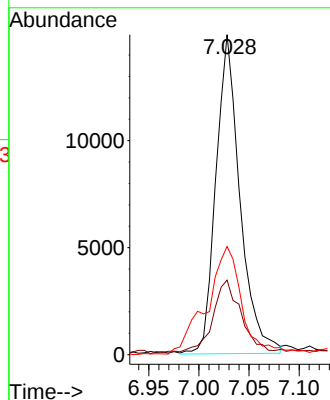
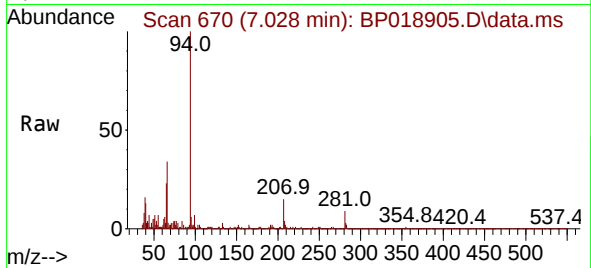
Tgt Ion: 94 Resp: 24798
Ion Ratio Lower Upper
94 100
65 23.3 21.0 31.6
66 33.8 28.6 43.0

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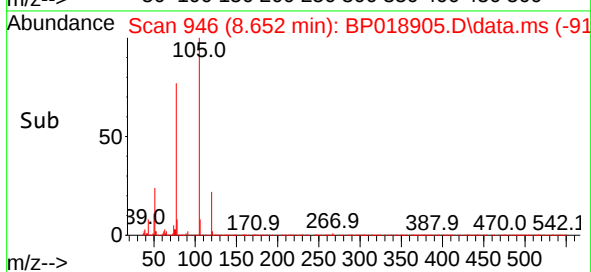
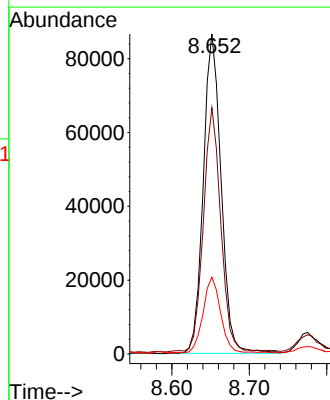
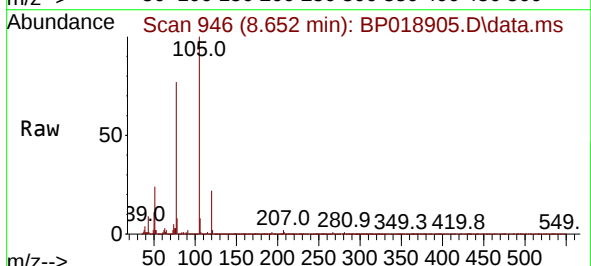
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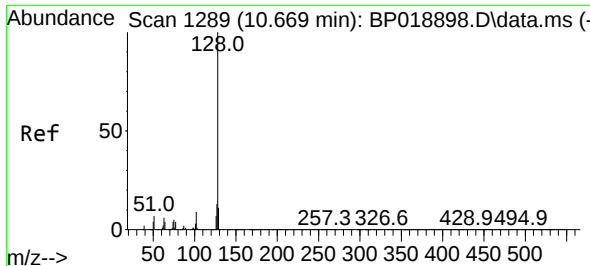
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#16
Acetophenone
Concen: 4.748 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Tgt Ion:105 Resp: 138024
Ion Ratio Lower Upper
105 100
77 76.9 59.4 89.0
51 24.0 19.4 29.0





#30
Naphthalene
Concen: 1.987 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Instrument :
BNA_P
ClientSampleId :
BGRF9

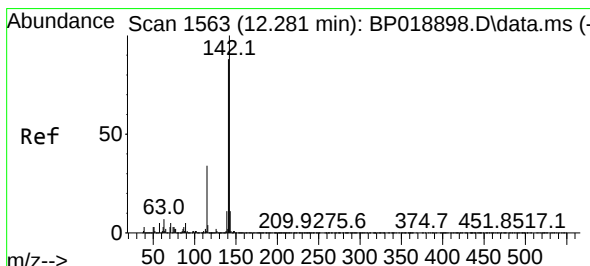
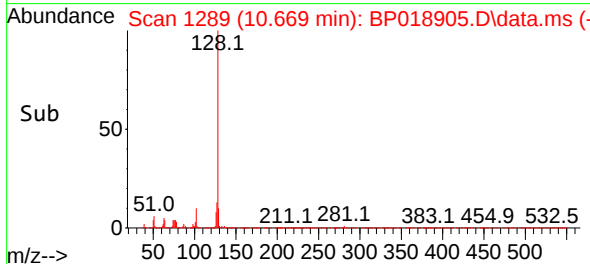
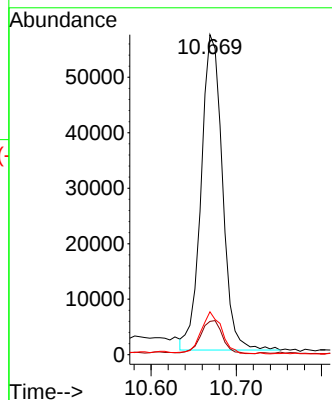
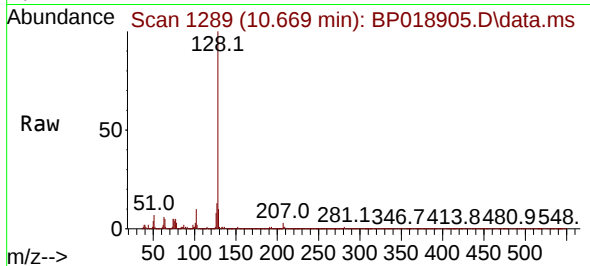
Tgt Ion:128 Resp: 9872
Ion Ratio Lower Upper
128 100
129 10.4 8.9 13.3
127 13.4 10.5 15.7

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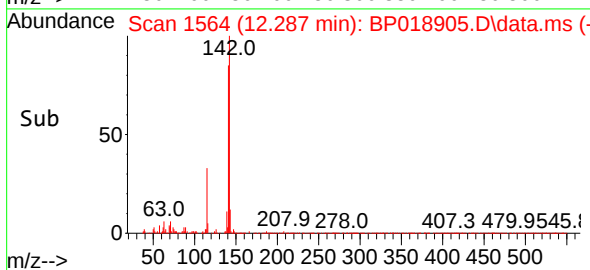
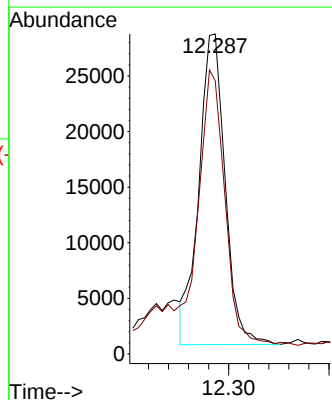
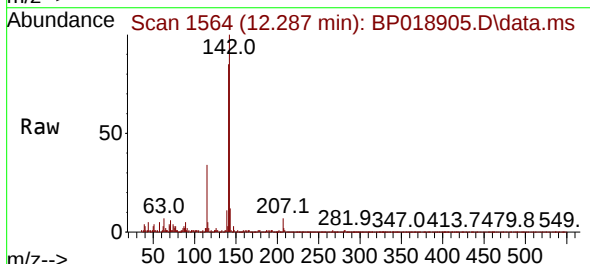
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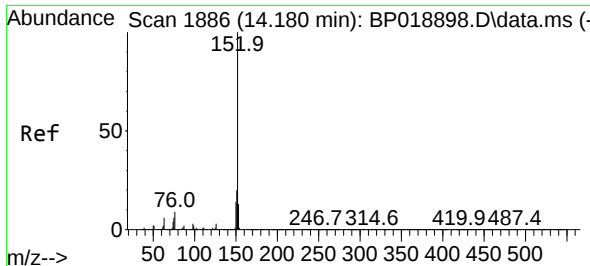
12/20/2023



#36
2-Methylnaphthalene
Concen: 1.448 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

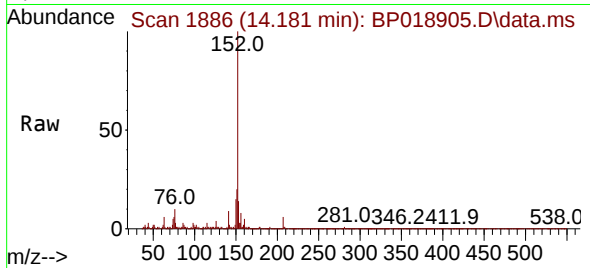
Tgt Ion:142 Resp: 50959
Ion Ratio Lower Upper
142 100
141 85.3 71.4 107.0





#50
Acenaphthylene
Concen: 1.751 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Instrument :
BNA_P
ClientSampleId :
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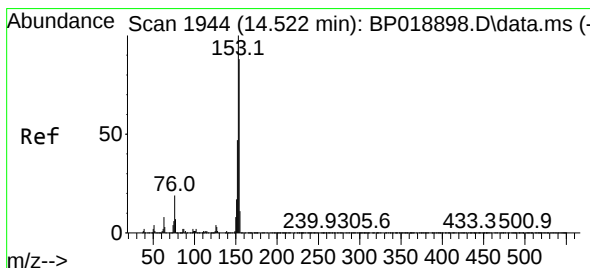
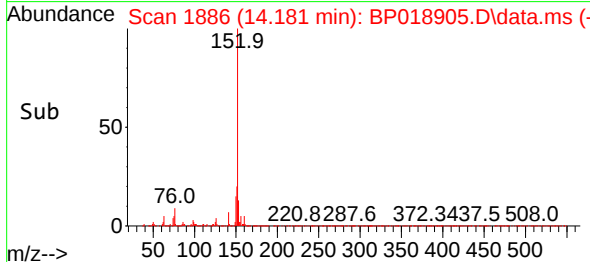
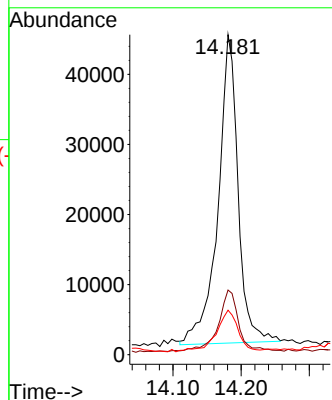
Tgt Ion:152 Resp: 90310
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.9 10.6 16.0

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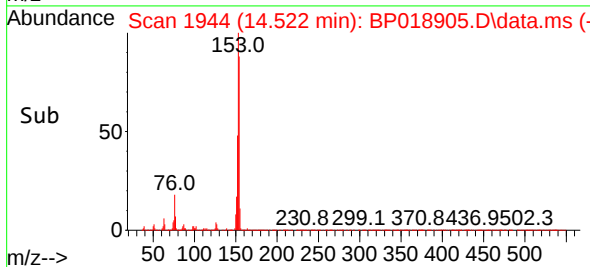
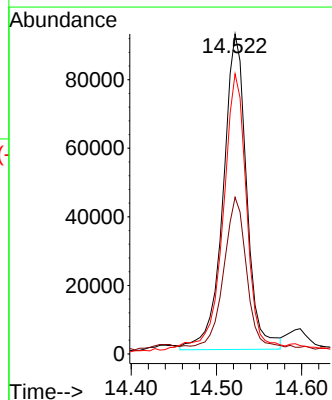
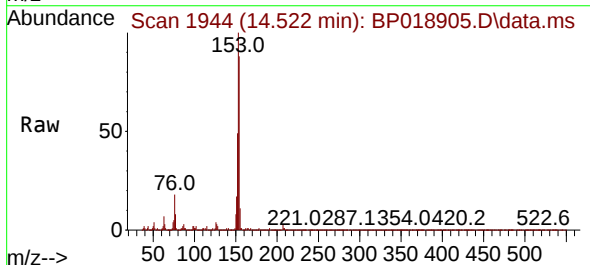
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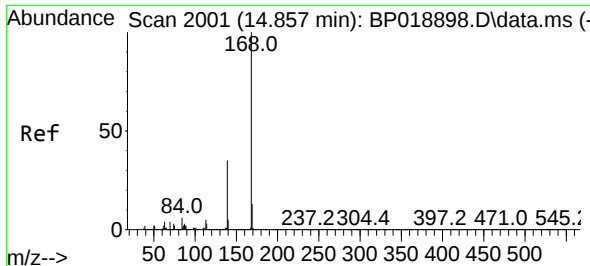
12/20/2023



#52
Acenaphthene
Concen: 5.186 ng/ul
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

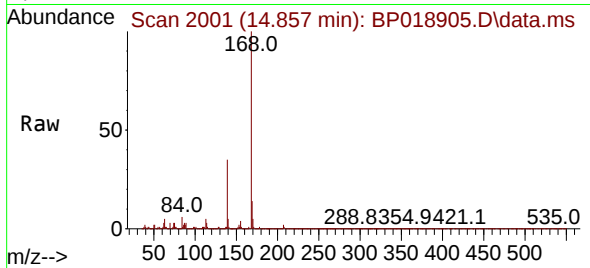
Tgt Ion:153 Resp: 176898
Ion Ratio Lower Upper
153 100
152 49.0 38.1 57.1
154 87.5 71.7 107.5





#56
Dibenzenofuran
Concen: 5.406 ng/ul
RT: 14.857 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

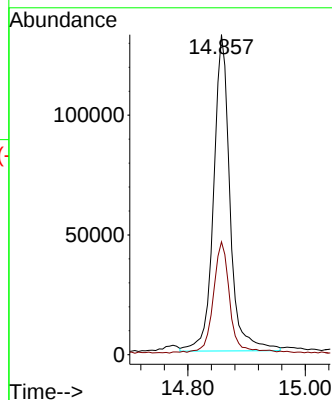
Instrument :
BNA_P
ClientSampleId :
BGRF9



Tgt Ion:168 Resp: 25628
Ion Ratio Lower Upper
168 100
139 35.2 29.1 43.7

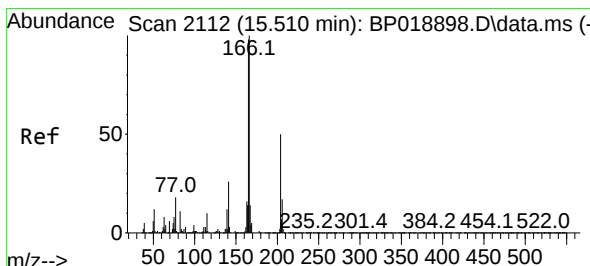
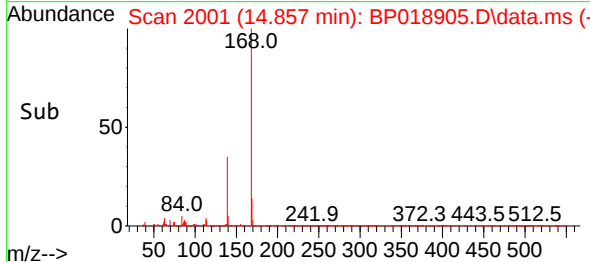
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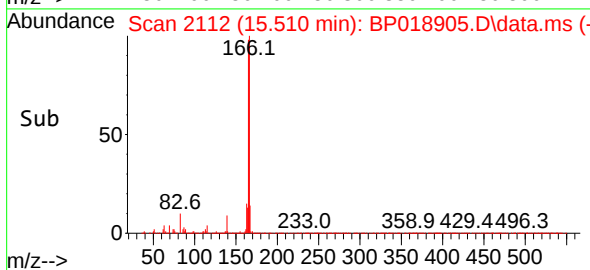
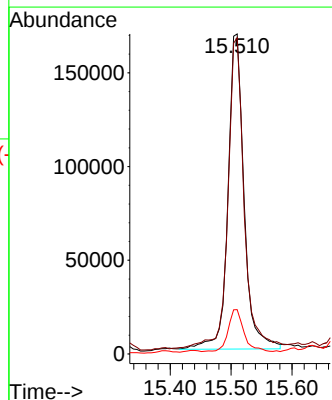
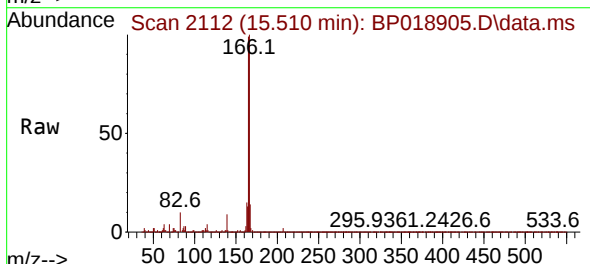
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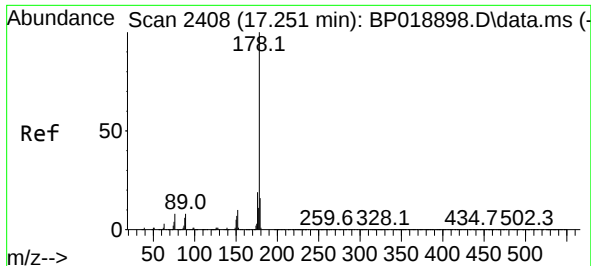
12/20/2023



#61
Fluorene
Concen: 8.266 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

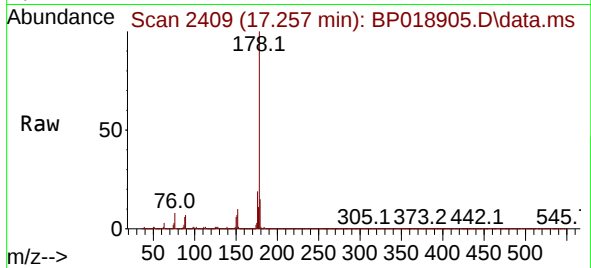
Tgt Ion:166 Resp: 310048
Ion Ratio Lower Upper
166 100
165 98.8 78.0 117.0
167 13.9 10.8 16.2





#72
Phenanthrene
Concen: 31.625 ng/ul
RT: 17.257 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP018905.D
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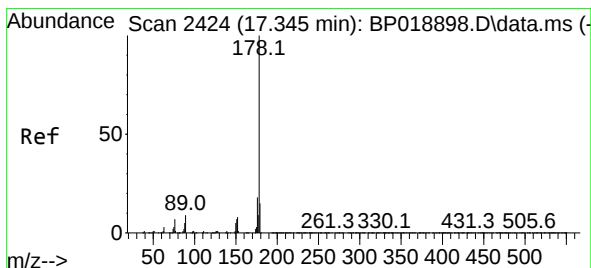
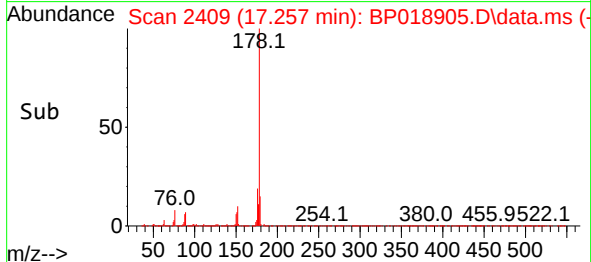
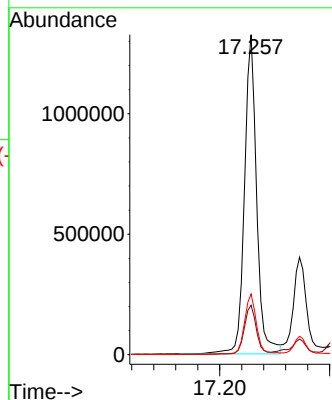
Tgt Ion:178 Resp: 2033238
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.0 15.4 23.2

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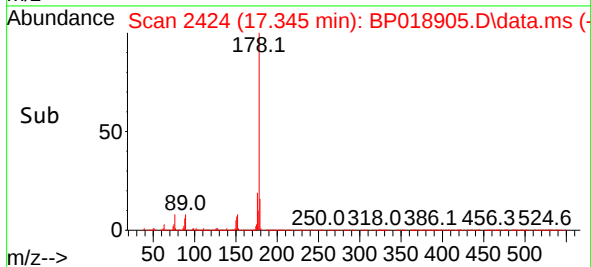
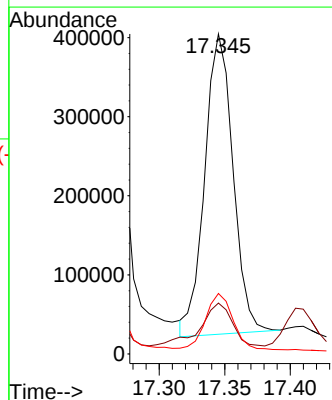
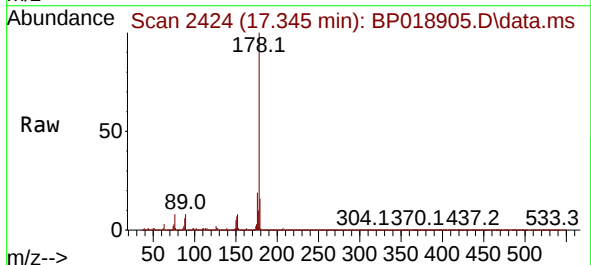
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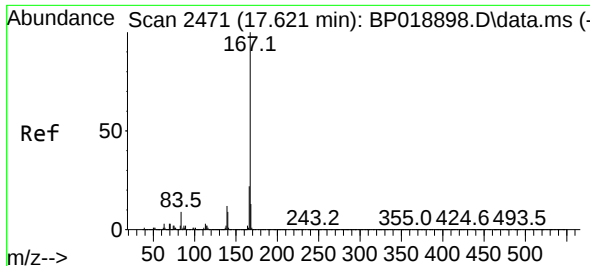
12/20/2023



#74
Anthracene
Concen: 8.843 ng/ul
RT: 17.345 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

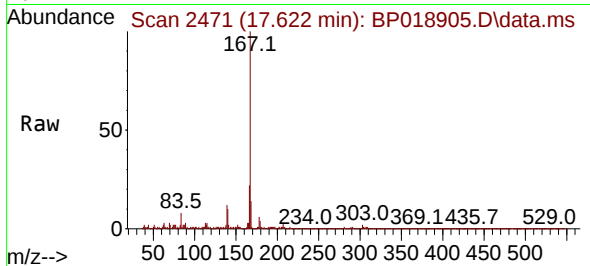
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Ion Ratio Lower Upper
178 100
179 15.9 12.5 18.7
176 18.9 15.0 22.6





#77
 Carbazole
 Concen: 4.508 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. -0.000 min
 Lab File: BP018905.D
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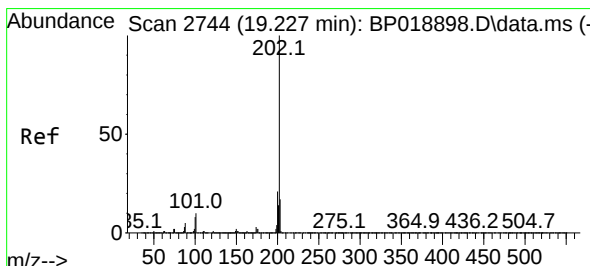
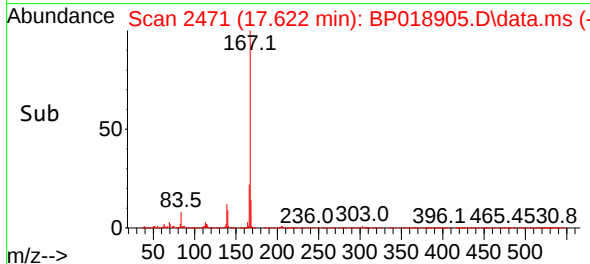
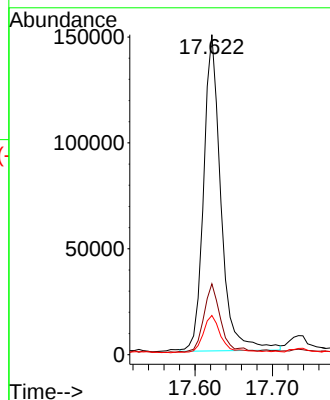
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 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 12.3 10.2 15.4

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

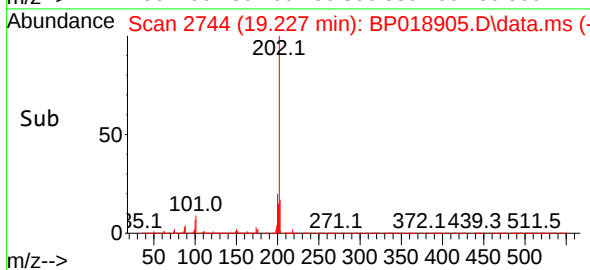
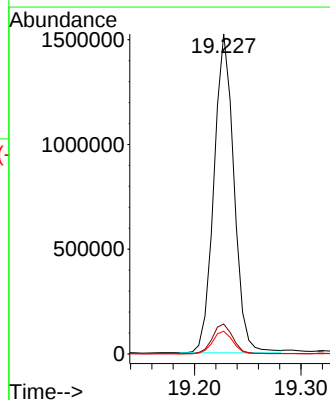
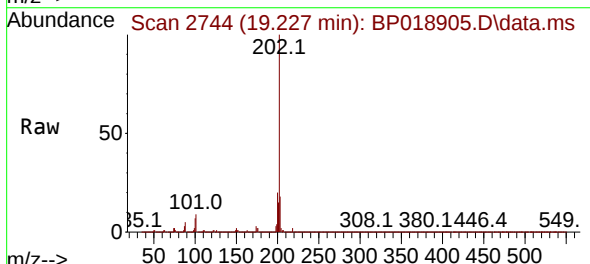
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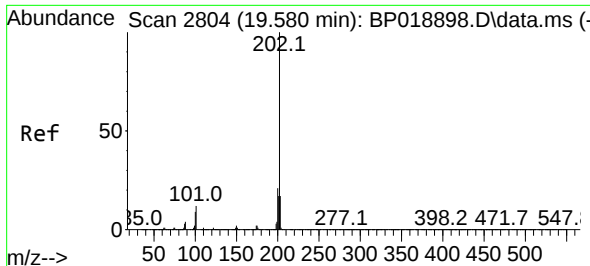
12/20/2023



#80
 Fluoranthene
 Concen: 19.424 ng/ul
 RT: 19.227 min Scan# 2744
 Delta R.T. -0.000 min
 Lab File: BP018905.D
 Acq: 18 Dec 2023 14:10

Tgt Ion:202 Resp: 1983302
 Ion Ratio Lower Upper
 202 100
 101 9.4 9.1 13.7
 100 7.1 7.1 10.7





#82
Pyrene
Concen: 16.866 ng/ul
RT: 19.580 min Scan# 2804
Delta R.T. -0.000 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Instrument :
BNA_P
ClientSampleId :
BGRF9

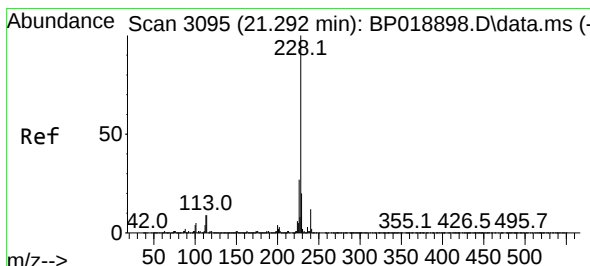
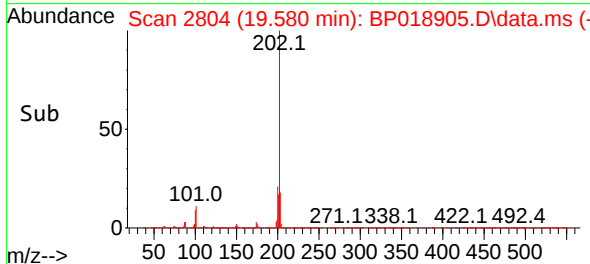
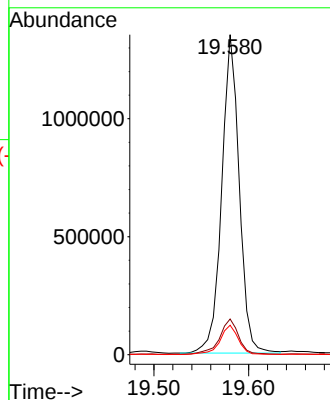
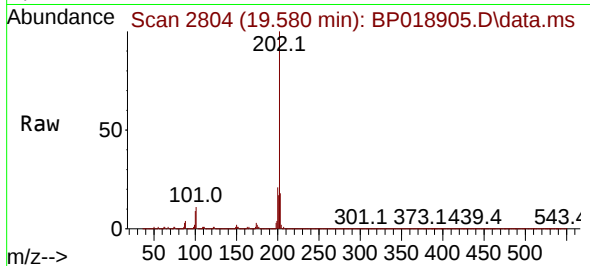
Tgt Ion:202 Resp: 173730
Ion Ratio Lower Upper
202 100
101 11.1 11.0 16.4
100 9.2 9.1 13.7

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Supervised By :mohammad ahmed 12/20/2023

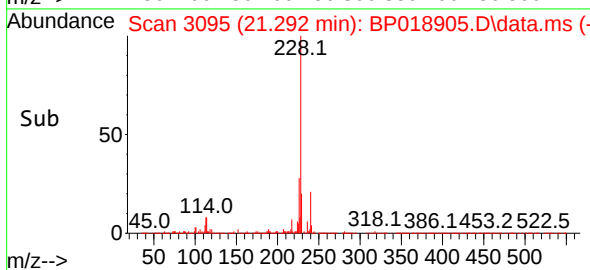
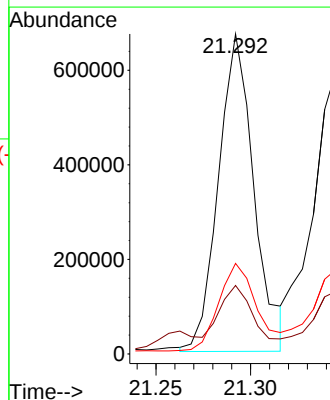
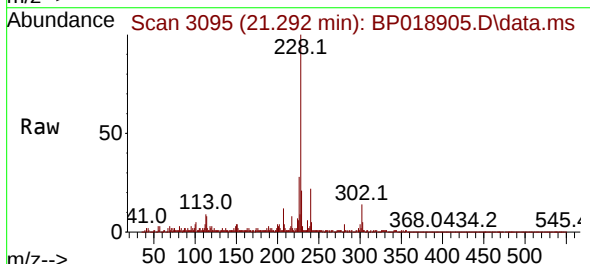
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ahmed

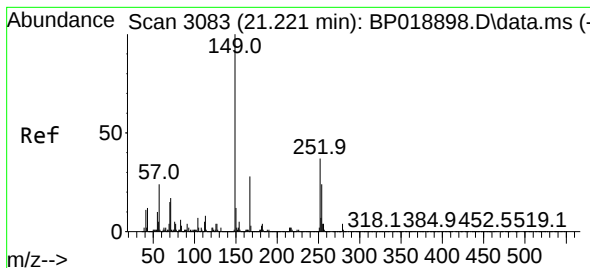
12/20/2023



#85
Benzo(a)anthracene
Concen: 9.721 ng/ul
RT: 21.292 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

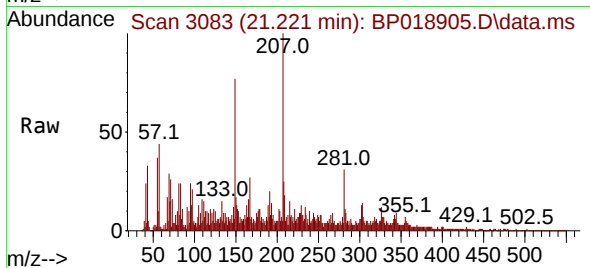
Tgt Ion:228 Resp: 875591
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 28.3 21.9 32.9





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.071 ng/ul
RT: 21.221 min Scan# 3083
Delta R.T. 0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

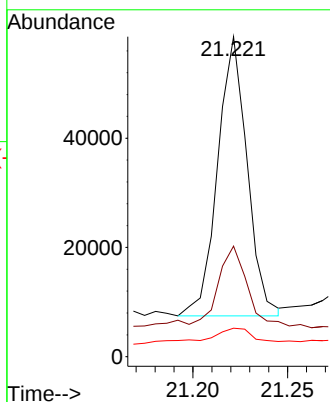
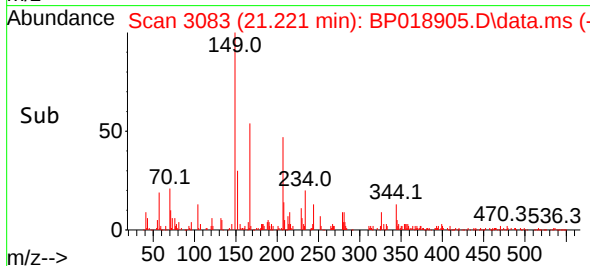
Instrument :
BNA_P
ClientSampleId :
BGRF9



Tgt Ion:149 Resp: 5551
Ion Ratio Lower Upper
149 100
167 34.5 22.2 33.2
279 8.9 3.3 4.9

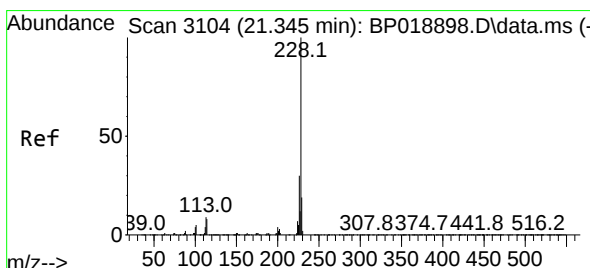
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Supervised By :mohammad ahmed 12/20/2023



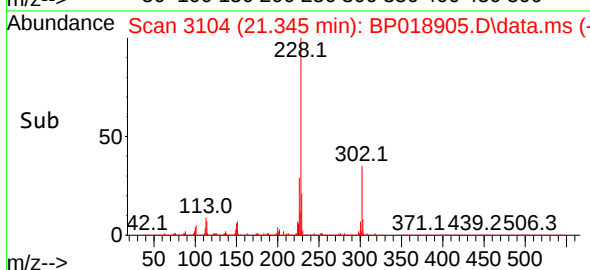
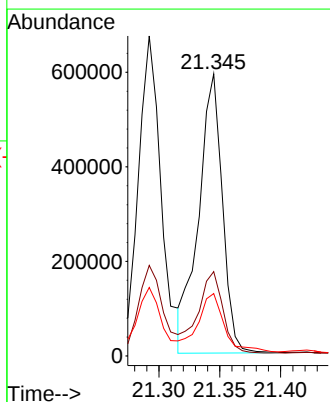
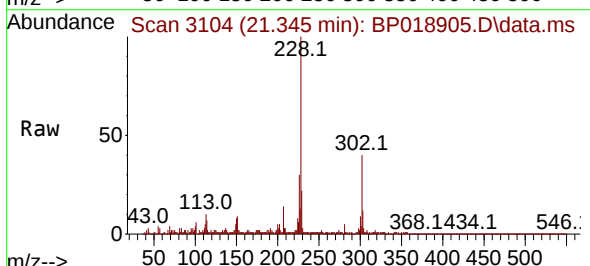
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ahmed

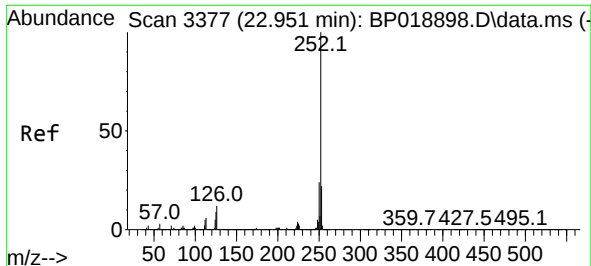
12/20/2023



#87
Chrysene
Concen: 9.715 ng/ul
RT: 21.345 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

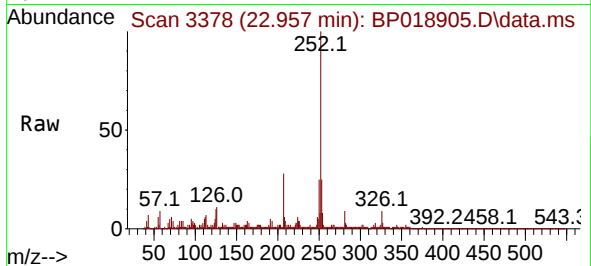
Tgt Ion:228 Resp: 805784
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 22.1 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 10.679 ng/ul
RT: 22.957 min Scan# 3377
Delta R.T. 0.012 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Instrument :
BNA_P
ClientSampleId :
BGRF9



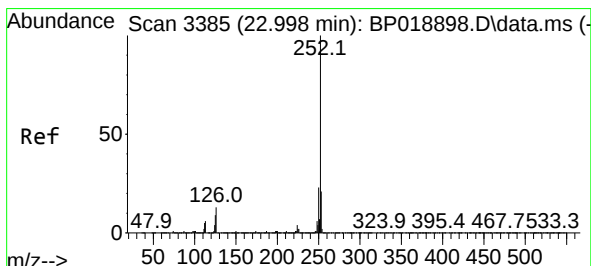
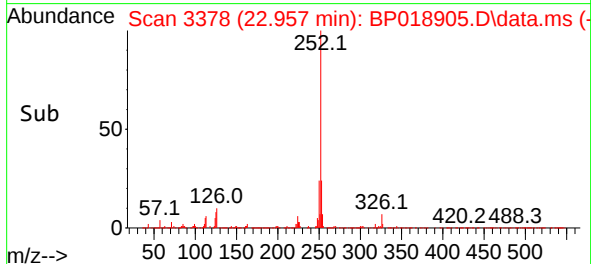
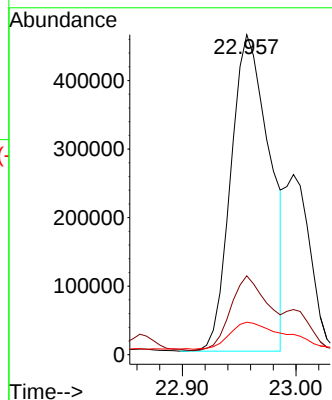
Tgt Ion:252 Resp: 1097740
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 10.2 7.8 11.6

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Supervised By :mohammad ahmed 12/20/2023

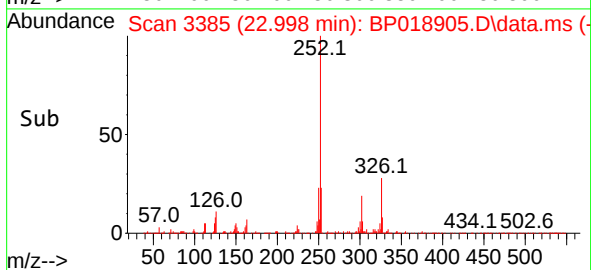
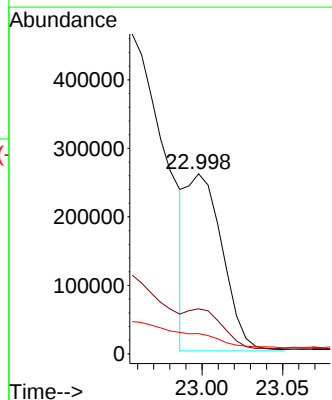
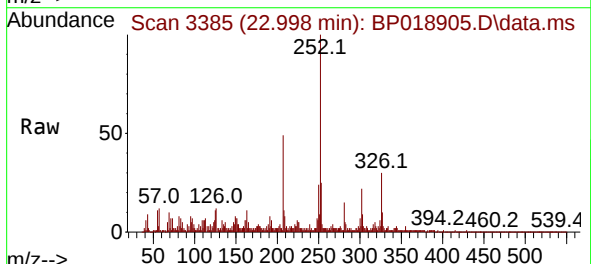
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Supervised By :mohammad
ahmed

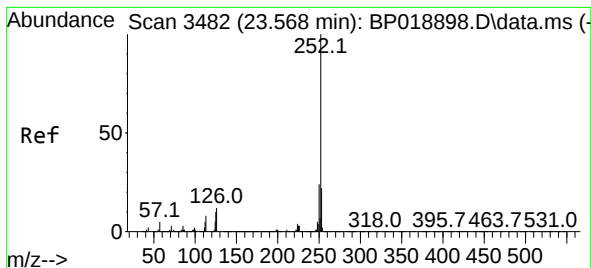
12/20/2023



#91
Benzo(k)fluoranthene
Concen: 3.997 ng/ul m
RT: 22.998 min Scan# 3385
Delta R.T. 0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Tgt Ion:252 Resp: 397556
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 11.3 8.0 12.0





#93

Benzo(a)pyrene

Concen: 8.816 ng/ul

RT: 23.574 min Scan# 3482

Delta R.T. 0.012 min

Lab File: BP018905.D

Acq: 18 Dec 2023 14:10

Instrument :

BNA_P

ClientSampleId :

BGRF9

Tgt Ion:	252	Resp:	82804
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	10.6	9.2	13.8

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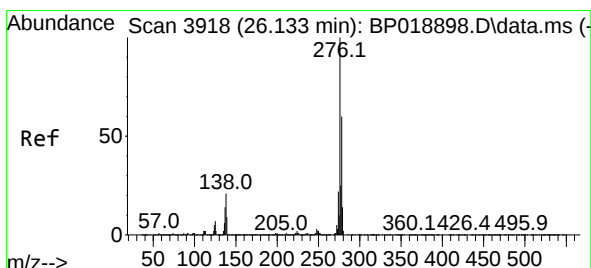
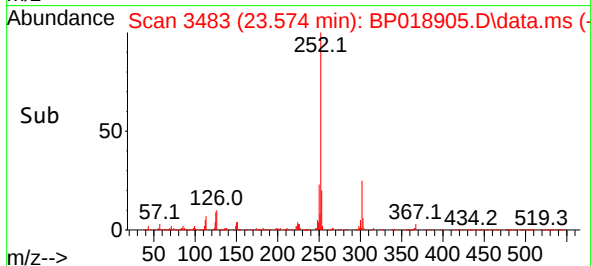
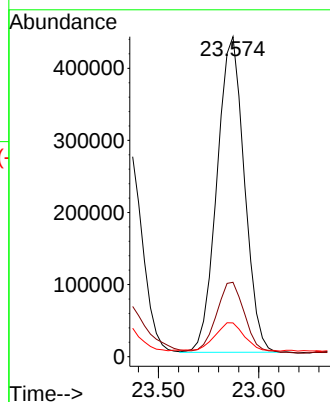
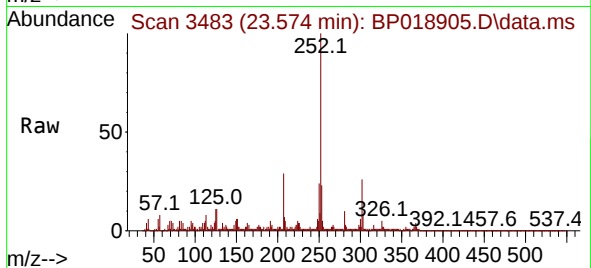
Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023

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Supervised By :mohammad
ahmed

12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.170 ng/ul

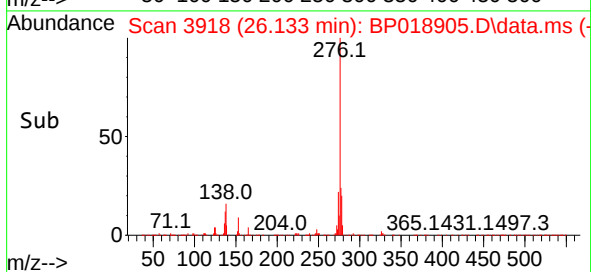
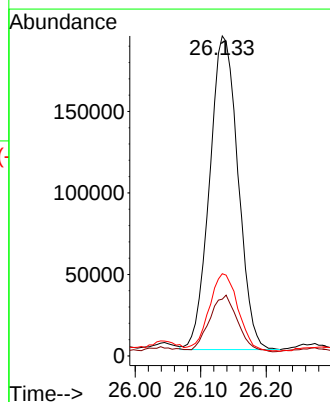
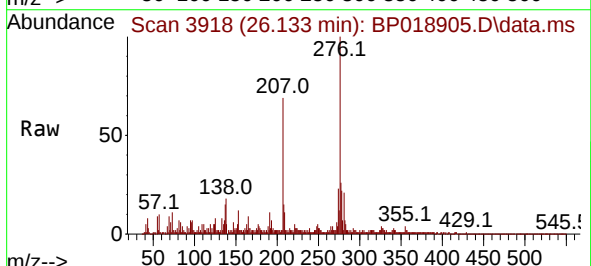
RT: 26.133 min Scan# 3918

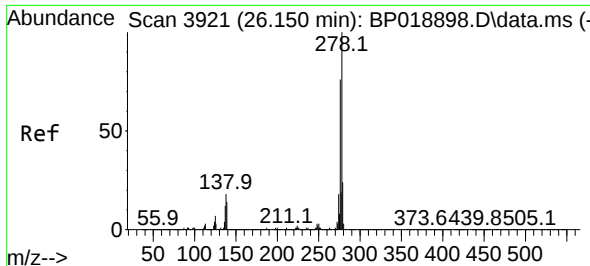
Delta R.T. 0.012 min

Lab File: BP018905.D

Acq: 18 Dec 2023 14:10

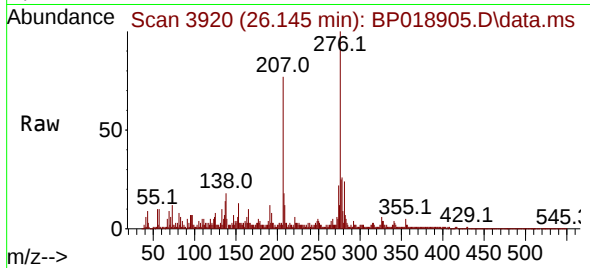
Tgt Ion:	276	Resp:	580227
Ion Ratio	Lower	Upper	
276	100		
138	22.7	19.4	29.2
277	25.7	19.8	29.6





#95
Dibenzo(a,h)anthracene
Concen: 1.719 ng/ul
RT: 26.145 min Scan# 3921
Delta R.T. 0.006 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10

Instrument :
BNA_P
Client SampleId :
BGRF9



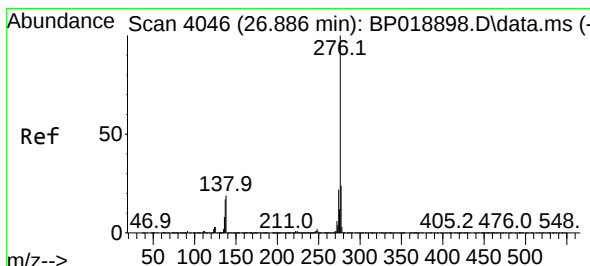
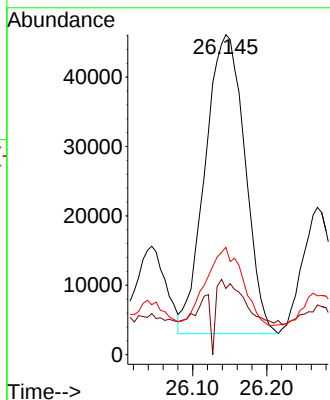
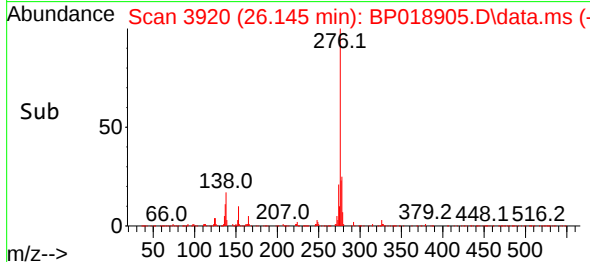
Tgt Ion: 278 Resp: 160449
Ion Ratio Lower Upper
278 100
139 20.7 13.0 19.6
279 33.5 18.7 28.1

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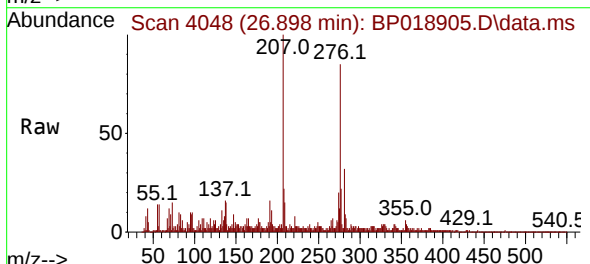
Reviewed By : Yogesh Patel 12/19/2023
Supervised By : mohammad ahmed 12/20/2023

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Supervised By : mohammad
ahmed

12/20/2023



#96
Benzo(g,h,i)perylene
Concen: 4.127 ng/ul
RT: 26.898 min Scan# 4048
Delta R.T. 0.024 min
Lab File: BP018905.D
Acq: 18 Dec 2023 14:10



Tgt Ion: 276 Resp: 372695
Ion Ratio Lower Upper
276 100
138 18.3 18.1 27.1
277 26.2 19.4 29.0

