

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018903.D
 Acq On : 18 Dec 2023 12:57
 Operator : MA/JU
 Sample : 05626-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF6

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 01:39:26 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	274102	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	576102	20.000	ng/u1	0.04
38) Acenaphthene-d10	14.592	164	801770m	20.000	ng/u1	0.13
64) Phenanthrene-d10	17.281	188	311171m	20.000	ng/u1	0.06
79) Chrysene-d12	21.410	240	449157	20.000	ng/u1	# 0.11
88) Perylene-d12	23.757	264	1616842m	20.000	ng/u1	0.09
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	20679	2.571	ng/uL	0.00
4) Pyridine-d5	3.681	84	256788	11.919	ng/u1	0.00
7) Phenol-d5	7.005	99	536638	19.509	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	306087	18.775	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	427293	19.908	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	414011	18.598	ng/u1	0.00
21) Nitrobenzene-d5	9.004	128	242776	47.348	ng/u1	0.01
24) 2-Nitrophenol-d4	9.728	143	219199	41.234	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.299	165	426448	39.231	ng/u1	0.05
31) 4-Chloroaniline-d4	10.851	131	562998m	39.631	ng/u1	0.08
46) Dimethylphthalate-d6	13.975	166	1131183	15.808	ng/u1	0.09
49) Acenaphthylene-d8	14.187	160	1269392	16.110	ng/u1	0.03
54) 4-Nitrophenol-d4	14.734	143	99988	8.512	ng/u1	0.06
60) Fluorene-d10	15.492	176	816673m	13.596	ng/u1	0.04
65) 4,6-Dinitro-2-methylph...	15.634	200	481	0.258	ng/u1	0.05
73) Anthracene-d10	17.281	188	255011	15.589	ng/u1	-0.03
81) Pyrene-d10	19.639	212	799857	22.877	ng/u1	0.09
92) Benzo(a)pyrene-d12	23.604	264	1985544m	21.062	ng/u1	0.09
Target Compounds					Qvalue	
30) Naphthalene	10.687	128	86473542m	2474.313	ng/u1	
36) 2-Methylnaphthalene	12.322	142	67297224m	2718.093	ng/u1	
37) 1-Methylnaphthalene	12.593	142	41991105m	1679.397	ng/u1	
50) Acenaphthylene	14.216	152	8299796	93.686	ng/u1#	85
52) Acenaphthene	14.610	153	96408472m	1645.881	ng/u1	
61) Fluorene	15.563	166	84191940m	1306.951	ng/u1	
72) Phenanthrene	17.292	178	102453597m	5451.602	ng/u1	
74) Anthracene	17.457	178	77176794m	4096.894	ng/u1	
80) Fluoranthene	19.269	202	90512768m	2190.099	ng/u1	
82) Pyrene	19.657	202	78581684m	1884.792	ng/u1	
85) Benzo(a)anthracene	21.333	228	48755485m	1337.323	ng/u1	
87) Chrysene	21.416	228	27054638m	805.840	ng/u1	
90) Benzo(b)fluoranthene	23.027	252	46177184m	387.357	ng/u1	
91) Benzo(k)fluoranthene	23.080	252	16121990m	139.773	ng/u1	
93) Benzo(a)pyrene	23.668	252	33593135m	308.401	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.239	276	16029223m	123.164	ng/u1	
95) Dibenzo(a,h)anthracene	26.239	278	4485448m	41.431	ng/u1	
96) Benzo(g,h,i)perylene	26.992	276	6980109m	66.644	ng/u1	

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

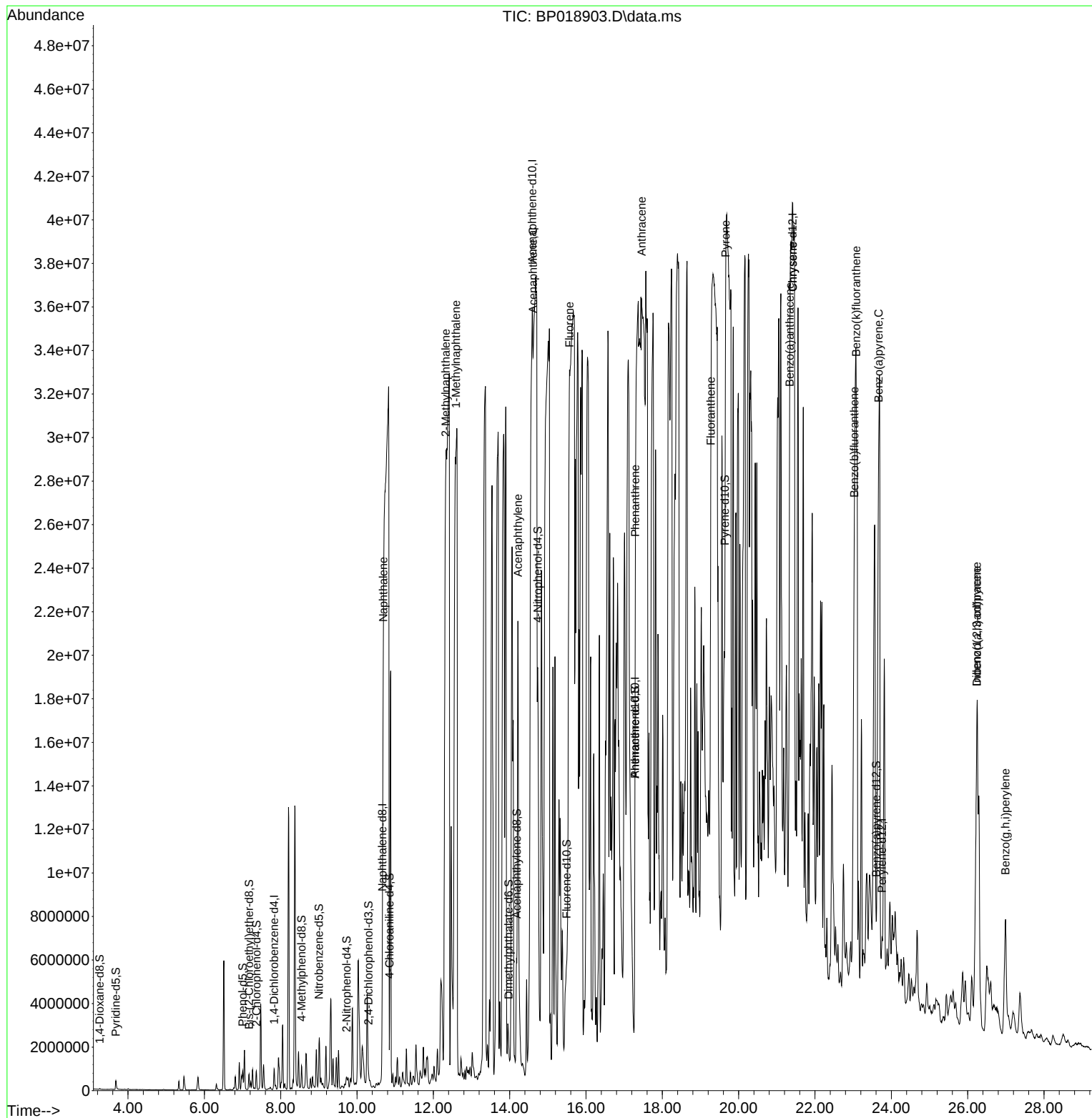
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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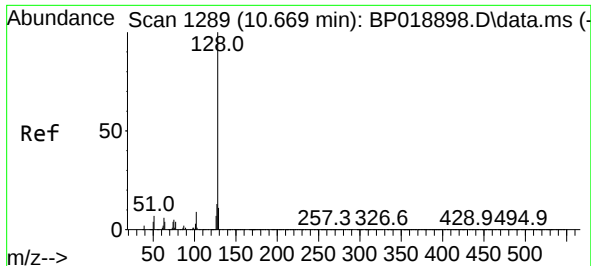
Instrument :
 BNA_P
 ClientSampleId :
 DCLF6

Quant Time: Dec 19 01:39:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
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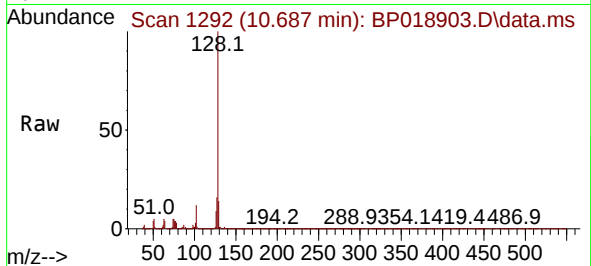
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023





#30
Naphthalene
Concen: 2474.313 ng/ul m
RT: 10.687 min Scan# 1570
Delta R.T. 0.012 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

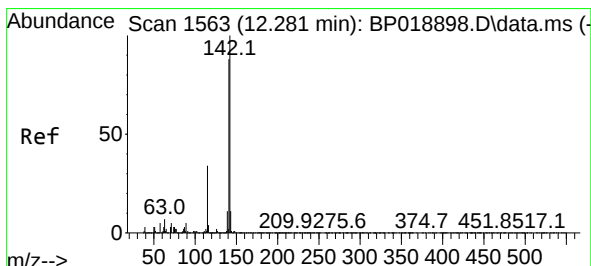
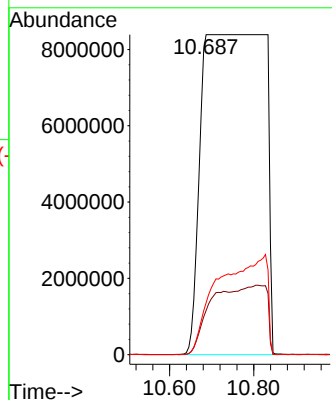
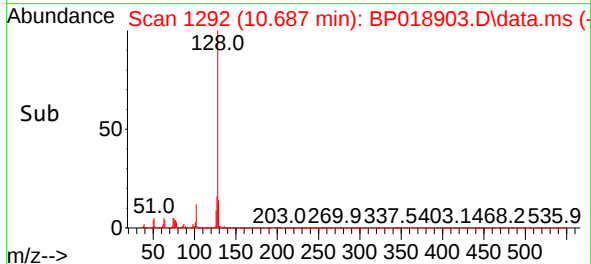
Instrument :
BNA_P
ClientSampleId :
DCLF6



Tgt Ion:128 Resp:8647354
Ion Ratio Lower Upper
128 100
129 13.8 8.9 13.3
127 16.2 10.5 15.7

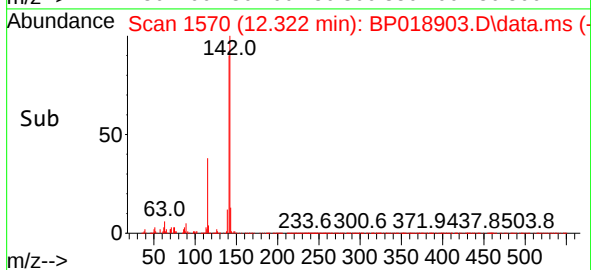
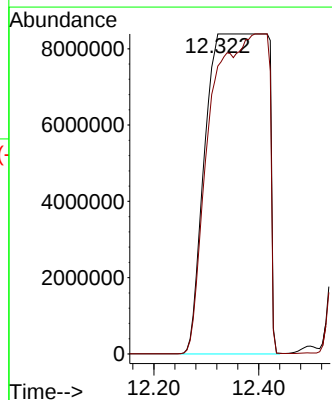
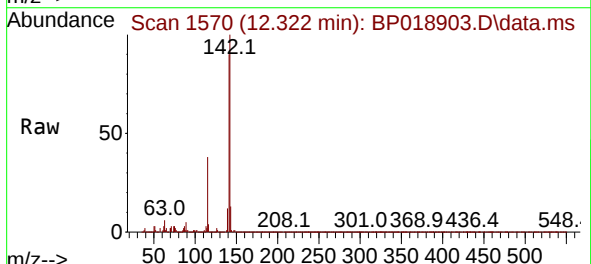
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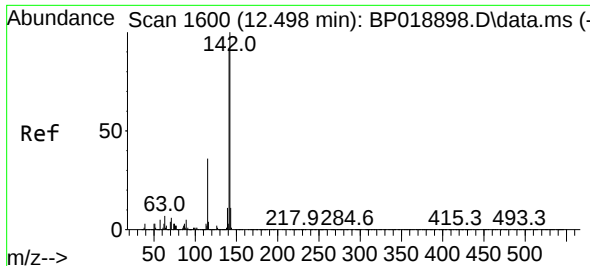
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#36
2-Methylnaphthalene
Concen: 2718.093 ng/ul m
RT: 12.322 min Scan# 1570
Delta R.T. 0.035 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:142 Resp:67297224
Ion Ratio Lower Upper
142 100
141 89.9 71.4 107.0





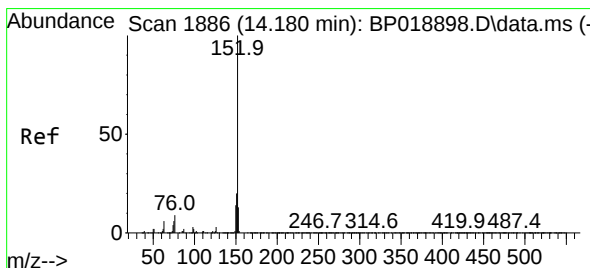
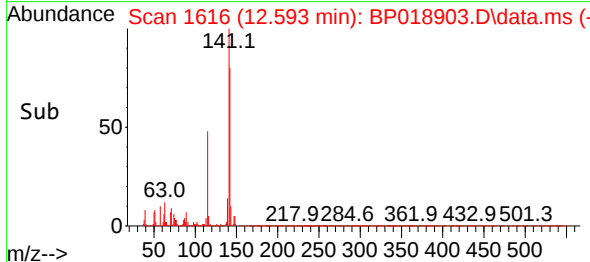
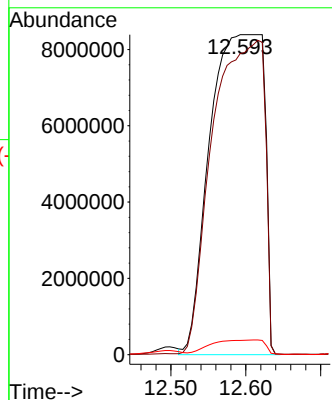
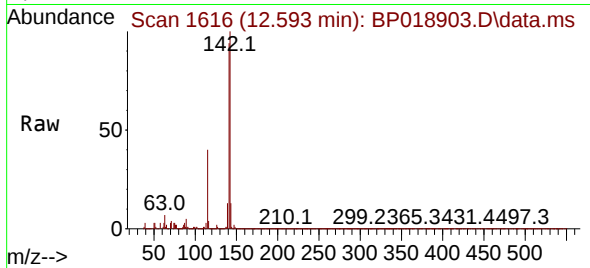
#37
1-Methylnaphthalene
Concen: 1679.397 ng/ul m
RT: 12.593 min Scan# 1
Delta R.T. 0.082 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Instrument :
BNA_P
ClientSampleId :
DCLF6

Tgt Ion:142 Resp:4199110
Ion Ratio Lower Upper
142 100
141 94.1 73.5 110.3
116 4.4 2.8 4.2

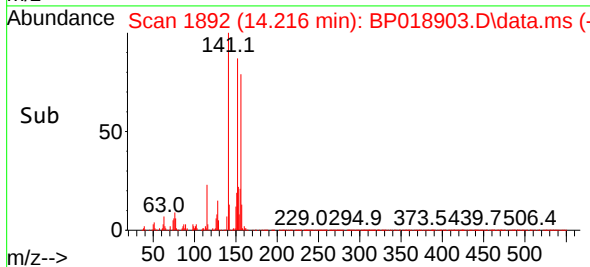
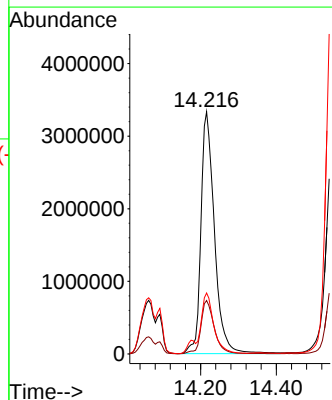
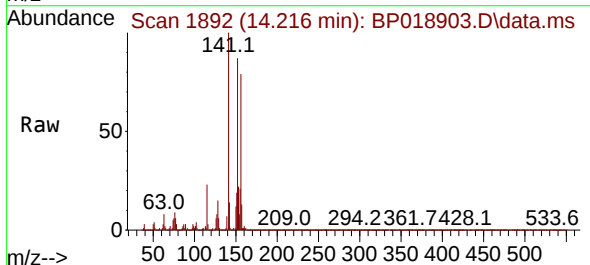
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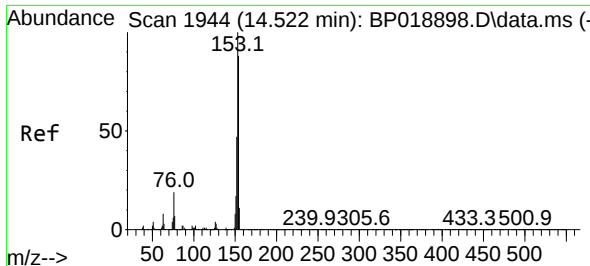
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#50
Acenaphthylene
Concen: 93.686 ng/ul
RT: 14.216 min Scan# 1892
Delta R.T. 0.029 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

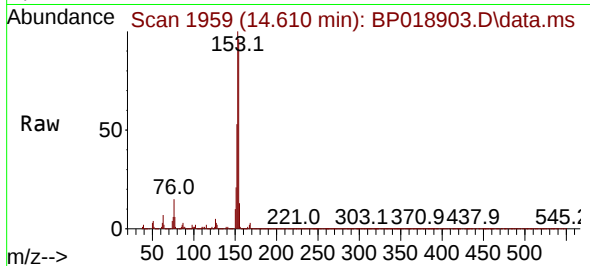
Tgt Ion:152 Resp: 8299796
Ion Ratio Lower Upper
152 100
151 22.0 15.9 23.9
153 25.2 10.6 16.0





#52
Acenaphthene
Concen: 1645.881 ng/ul m
RT: 14.610 min Scan# 1959
Delta R.T. 0.082 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

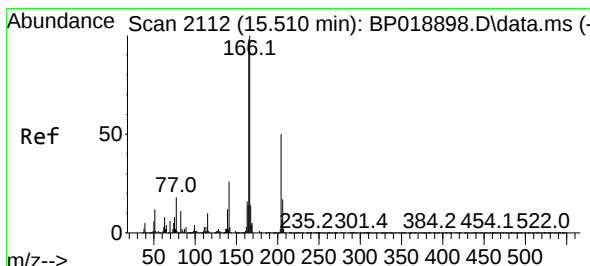
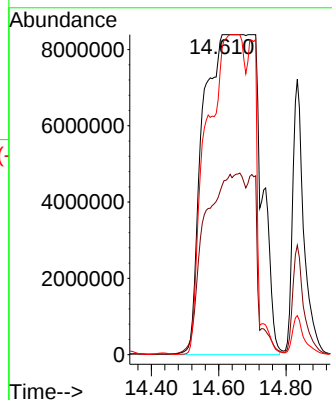
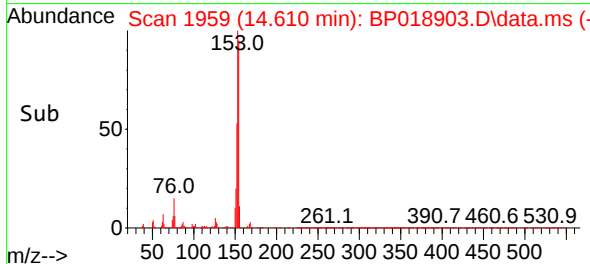
Instrument :
BNA_P
ClientSampleId :
DCLF6



Tgt Ion:153 Resp:9640847
Ion Ratio Lower Upper
153 100
152 52.9 38.1 57.1
154 95.8 71.7 107.5

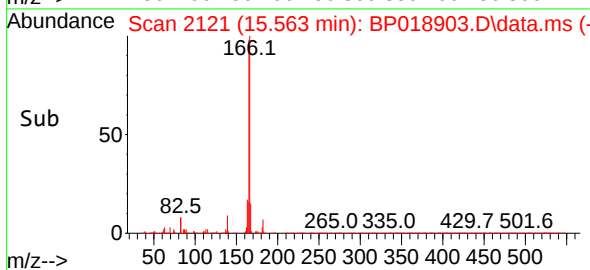
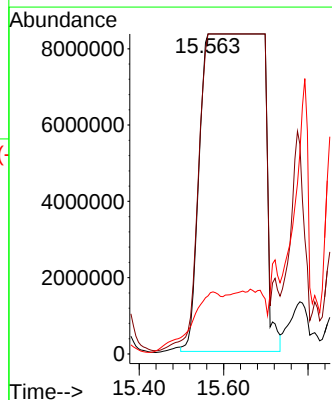
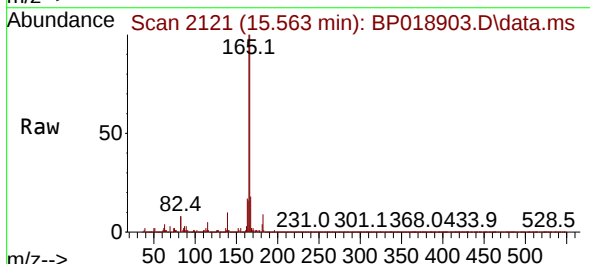
Manual Integrations
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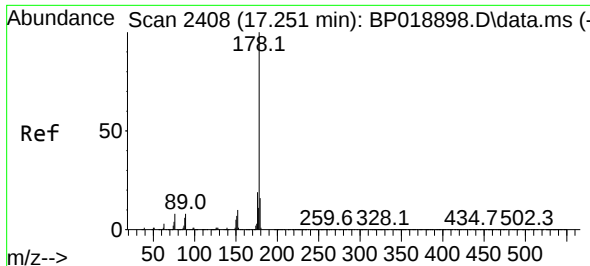
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#61
Fluorene
Concen: 1306.951 ng/ul m
RT: 15.563 min Scan# 2121
Delta R.T. 0.047 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:166 Resp:84191940
Ion Ratio Lower Upper
166 100
165 100.0 78.0 117.0
167 18.2 10.8 16.2#





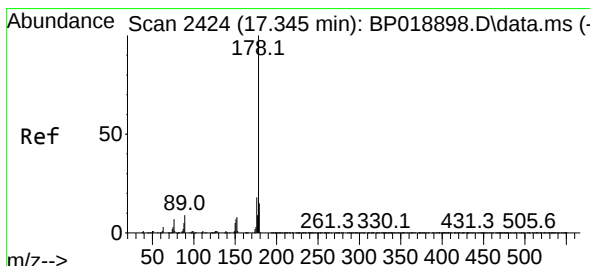
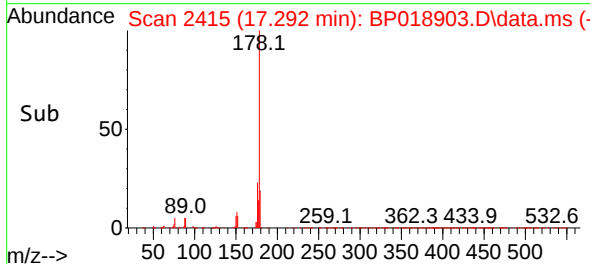
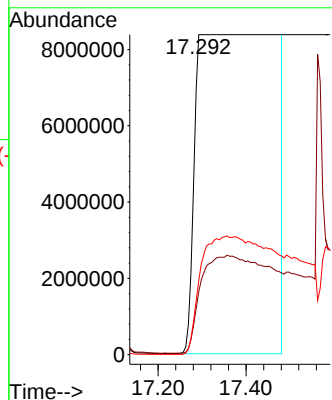
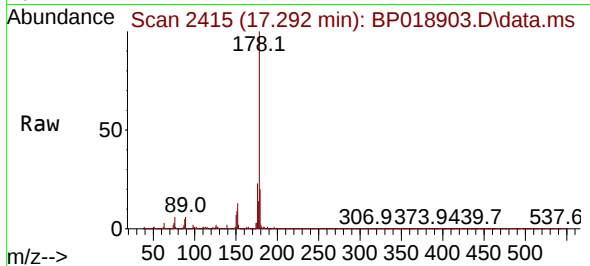
#72
Phenanthrene
Concen: 5451.602 ng/ul m
RT: 17.292 min Scan# 2415
Delta R.T. 0.035 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Instrument :
BNA_P
ClientSampleId :
DCLF6

Tgt Ion:178 Resp:10245359
Ion Ratio Lower Upper
178 100
179 19.6 12.3 18.5
176 23.1 15.4 23.2

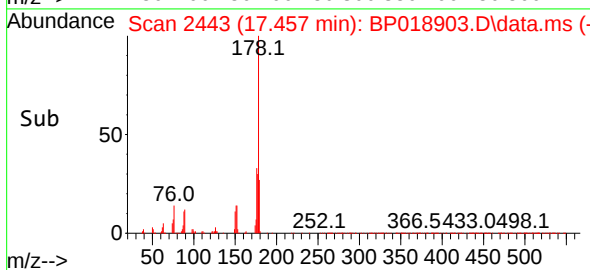
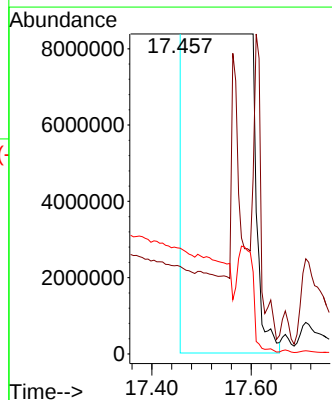
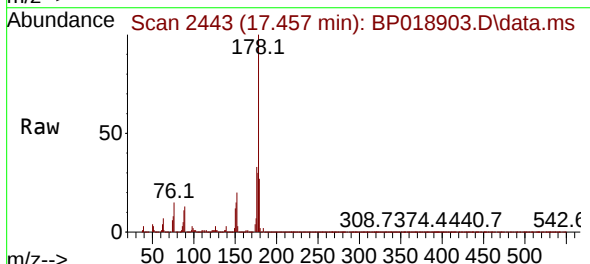
Manual Integrations
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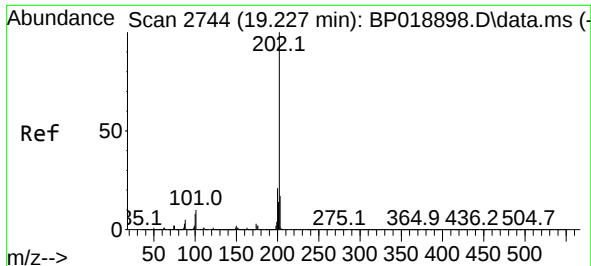
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#74
Anthracene
Concen: 4096.894 ng/ul m
RT: 17.457 min Scan# 2443
Delta R.T. 0.112 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

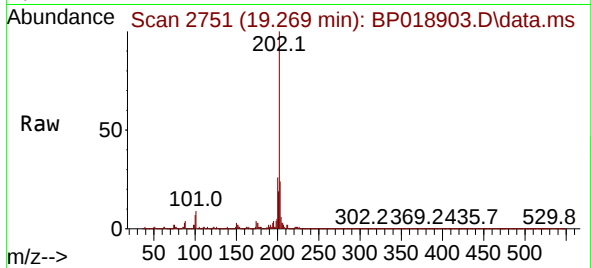
Tgt Ion:178 Resp:77176794
Ion Ratio Lower Upper
178 100
179 27.3 12.5 18.7#
176 33.1 15.0 22.6#





#80
Fluoranthene
Concen: 2190.099 ng/ul m
RT: 19.269 min Scan# 21
Delta R.T. 0.041 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

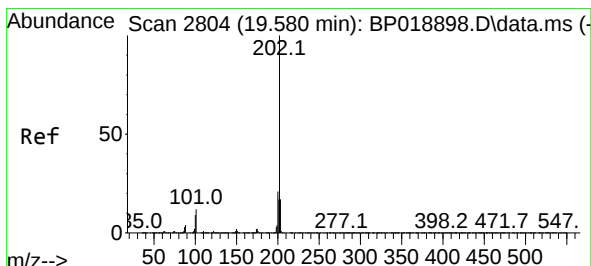
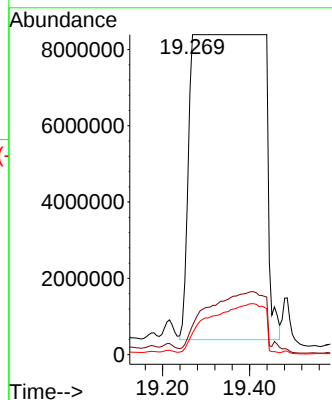
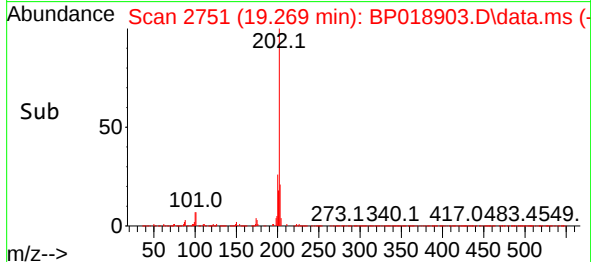
Instrument :
BNA_P
ClientSampleId :
DCLF6



Tgt Ion:202 Resp:90512768
Ion Ratio Lower Upper
202 100
101 9.2 9.1 13.7
100 6.8 7.1 10.7

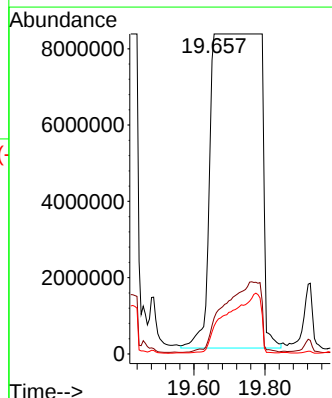
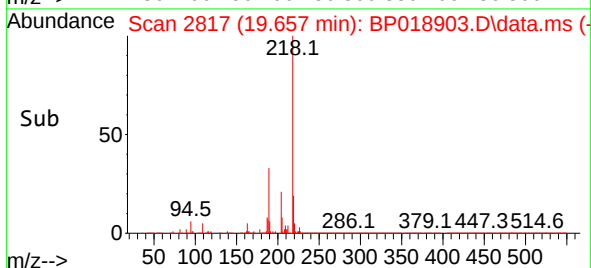
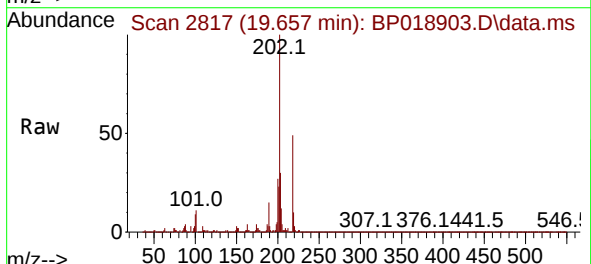
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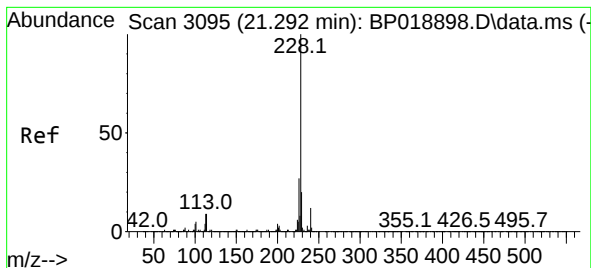
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#82
Pyrene
Concen: 1884.792 ng/ul m
RT: 19.657 min Scan# 2817
Delta R.T. 0.076 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:202 Resp:78581684
Ion Ratio Lower Upper
202 100
101 11.2 11.0 16.4
100 8.8 9.1 13.7#





#85

Benzo(a)anthracene

Concen: 1337.323 ng/ul m

RT: 21.333 min Scan# 3102

Delta R.T. 0.047 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

Tgt Ion:228 Resp:4875548

Ion Ratio Lower Upper

228 100

229 29.7 15.7 23.5

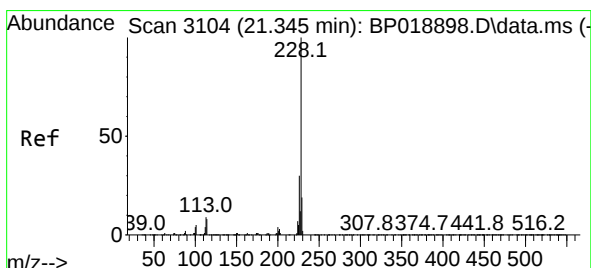
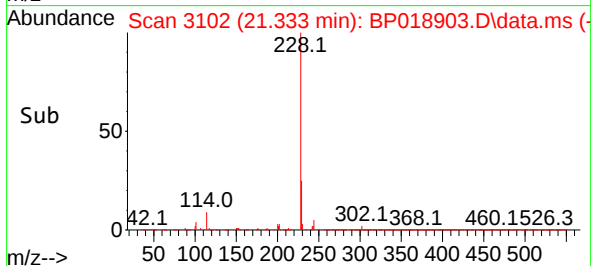
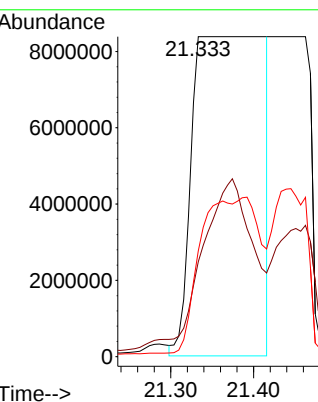
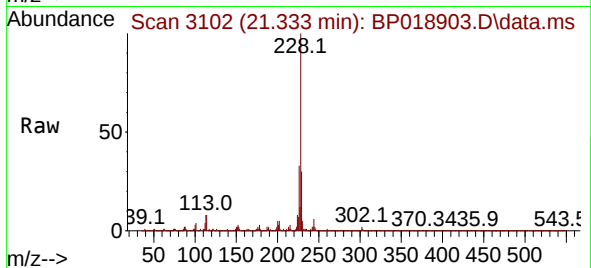
226 33.1 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#87

Chrysene

Concen: 805.840 ng/ul m

RT: 21.416 min Scan# 3116

Delta R.T. 0.076 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

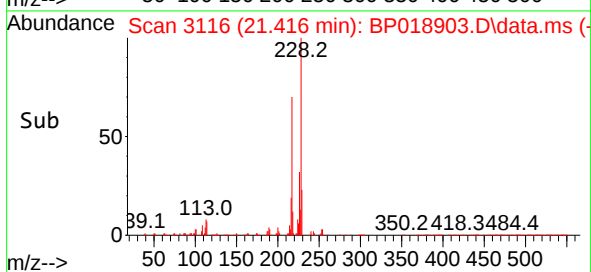
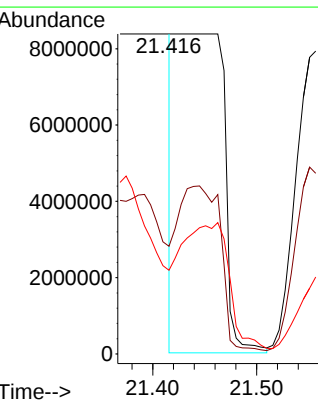
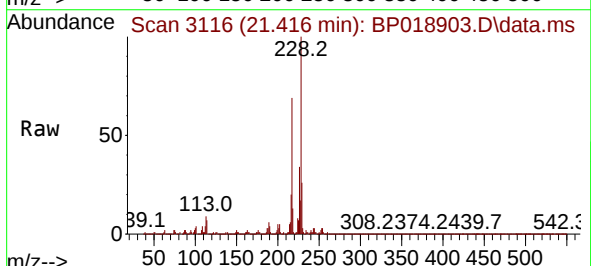
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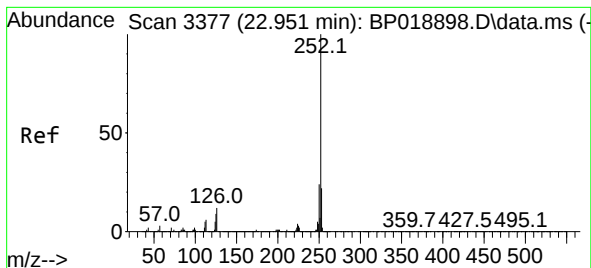
Ion Ratio Lower Upper

228 100

226 33.6 23.9 35.9

229 26.2 15.6 23.4





#90

Benzo(b)fluoranthene

Concen: 387.357 ng/ul m

RT: 23.027 min Scan# 3390

Delta R.T. 0.082 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNP_P

ClientSampleId :

DCLF6

Tgt Ion:252 Resp:46177184

Ion Ratio Lower Upper

252 100

253 25.6 17.3 25.9

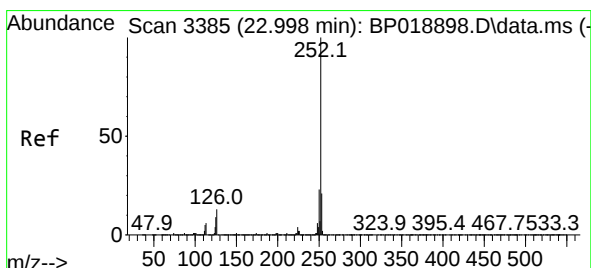
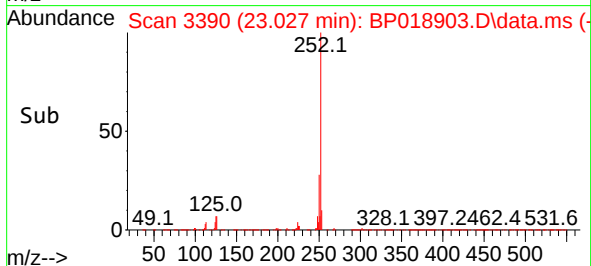
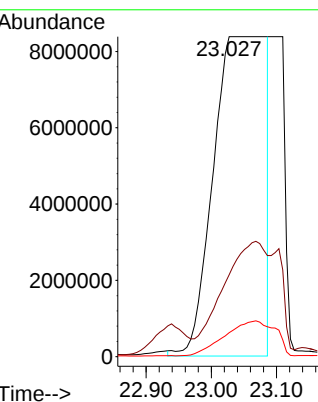
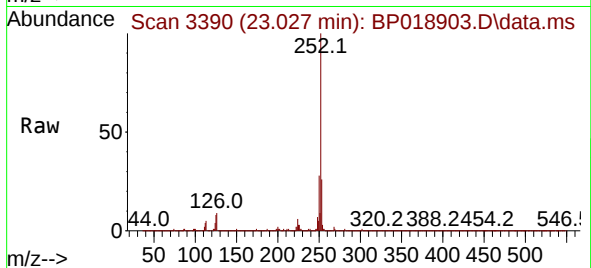
125 7.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023



#91

Benzo(k)fluoranthene

Concen: 139.773 ng/ul m

RT: 23.080 min Scan# 3399

Delta R.T. 0.088 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

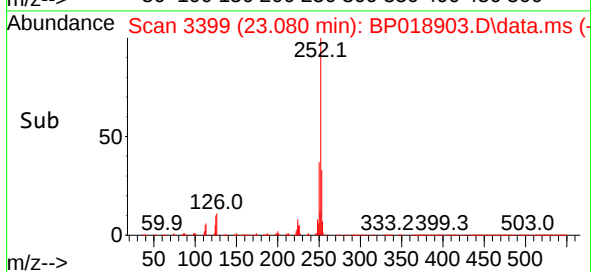
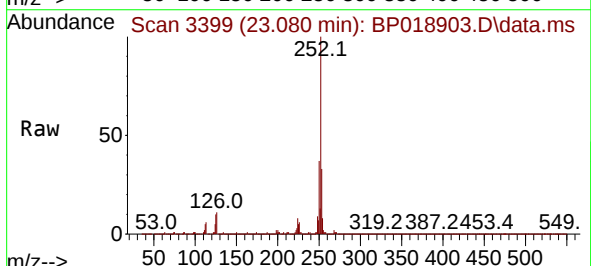
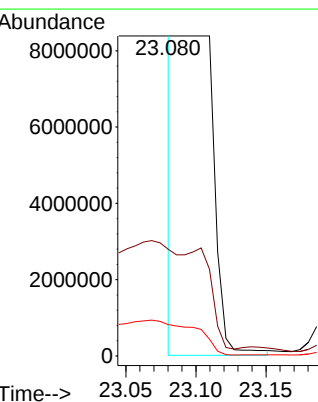
Tgt Ion:252 Resp:16121990

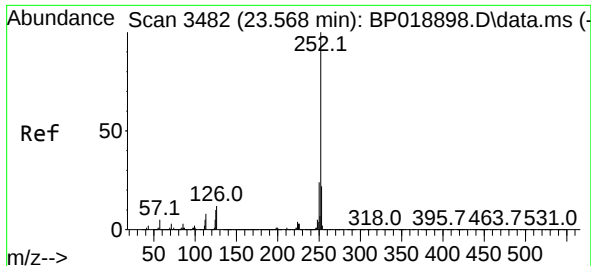
Ion Ratio Lower Upper

252 100

253 33.4 17.7 26.5

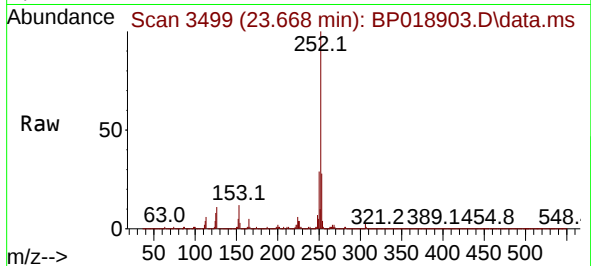
125 9.8 8.0 12.0





#93
Benzo(a)pyrene
Concen: 308.401 ng/ul m
RT: 23.668 min Scan# 3482
Delta R.T. 0.106 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

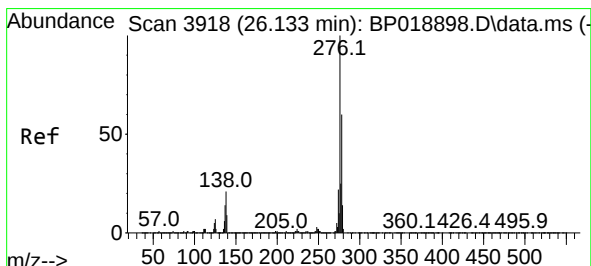
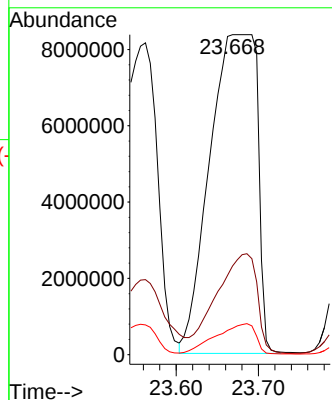
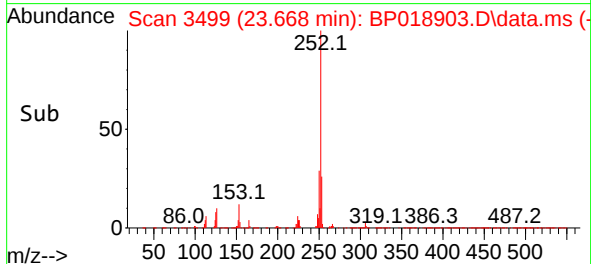
Instrument :
BNA_P
ClientSampleId :
DCLF6



Tgt Ion:252 Resp:3359313
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.8
125 8.3 9.2 13.8

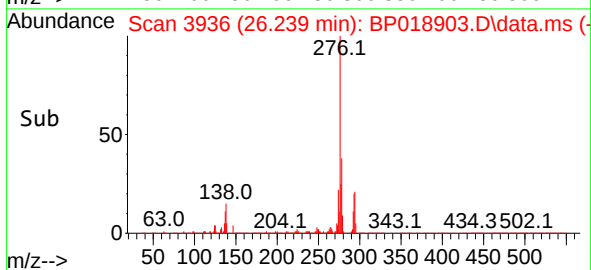
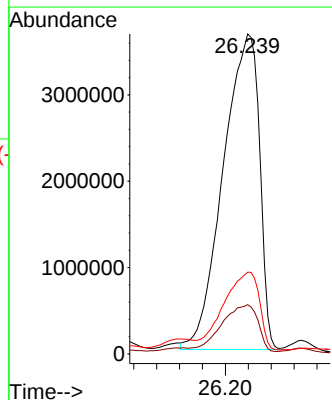
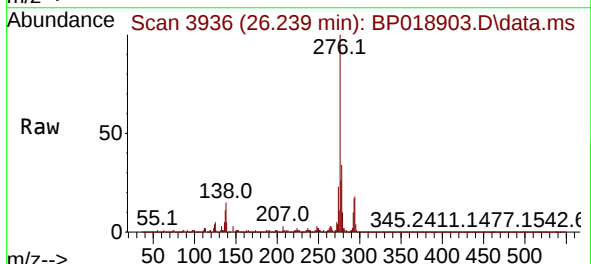
Manual Integrations
APPROVED

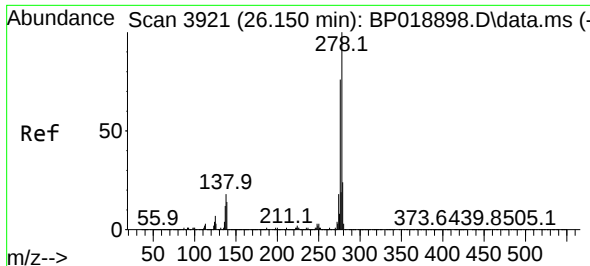
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 123.164 ng/ul m
RT: 26.239 min Scan# 3936
Delta R.T. 0.118 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

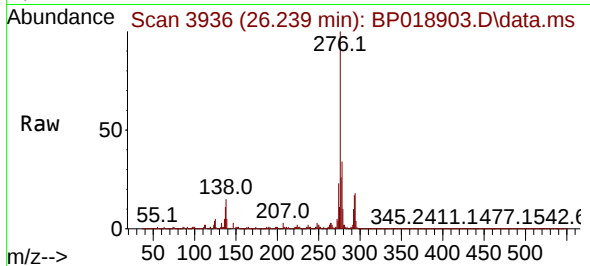
Tgt Ion:276 Resp:16029223
Ion Ratio Lower Upper
276 100
138 15.4 19.4 29.2
277 25.6 19.8 29.6





#95
Dibenzo(a,h)anthracene
Concen: 41.431 ng/ul m
RT: 26.239 min Scan# 3921
Delta R.T. 0.100 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

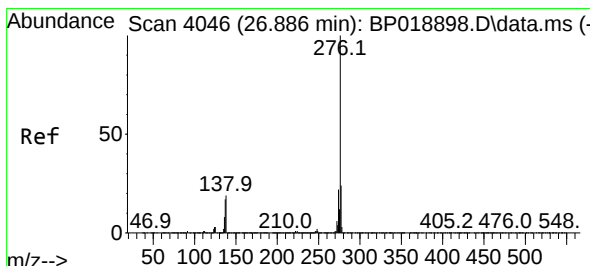
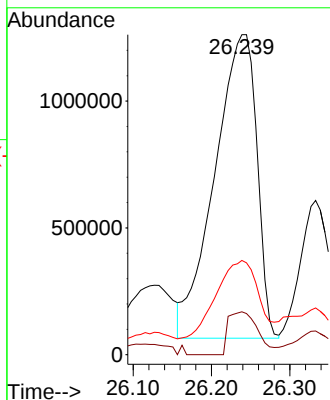
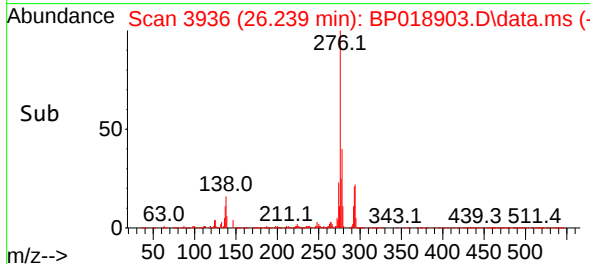
Instrument :
BNA_P
ClientSampleId :
DCLF6



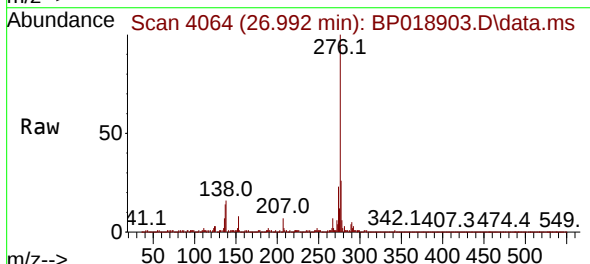
Tgt Ion:278 Resp: 448544
Ion Ratio Lower Upper
278 100
139 13.4 13.0 19.6
279 29.5 18.7 28.1

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 66.644 ng/ul m
RT: 26.992 min Scan# 4064
Delta R.T. 0.118 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57



Tgt Ion:276 Resp: 6980109
Ion Ratio Lower Upper
276 100
138 16.4 18.1 27.1#
277 25.7 19.4 29.0

