

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP122123\
 Data File : BP019006.D
 Acq On : 21 Dec 2023 19:05
 Operator : MA/JU
 Sample : 05626-08ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF4ME

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/22/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 22 23:14:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 21 04:46:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	119493	20.000	ng/u1	0.00
20) Naphthalene-d8	10.616	136	449163	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	296899	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	708671	20.000	ng/u1	0.00
79) Chrysene-d12	21.298	240	753781	20.000	ng/u1	# 0.00
88) Perylene-d12	23.663	264	916714	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	7982	2.276	ng/uL	0.00
4) Pyridine-d5	3.687	84	8254	0.879	ng/u1	0.02
7) Phenol-d5	6.993	99	135483	11.298	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	87488	12.310	ng/u1	0.00
11) 2-Chlorophenol-d4	7.352	132	112548	12.028	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	60073	6.190	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	55357	13.847	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	67244	16.224	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.240	165	111759	13.187	ng/u1	0.00
31) 4-Chloroaniline-d4	10.763	131	81808	7.386	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	409966	15.471	ng/u1	0.00
49) Acenaphthylene-d8	14.145	160	437446	14.992	ng/u1	0.00
54) 4-Nitrophenol-d4	14.675	143	54011	12.417	ng/u1	0.00
60) Fluorene-d10	15.451	176	369883	16.629	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	57380	13.504	ng/u1	0.00
73) Anthracene-d10	17.310	188	582518	15.636	ng/u1	0.00
81) Pyrene-d10	19.545	212	736759	12.556	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.504	264	758719	14.195	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.663	128	28284	1.038	ng/u1	97
36) 2-Methylnaphthalene	12.275	142	77010	3.989	ng/u1	93
37) 1-Methylnaphthalene	12.493	142	298895	15.332	ng/u1#	99
50) Acenaphthylene	14.175	152	94911	2.893	ng/u1#	93
52) Acenaphthene	14.522	153	2960496	136.486	ng/u1	99
61) Fluorene	15.510	166	3743213	156.919	ng/u1	100
72) Phenanthrene	17.263	178	14505979	338.921	ng/u1	97
74) Anthracene	17.345	178	5333556	124.320	ng/u1	99
80) Fluoranthene	19.233	202	13309766	191.901	ng/u1#	90
82) Pyrene	19.586	202	9466411	135.295	ng/u1#	88
85) Benzo(a)anthracene	21.286	228	2593063	42.382	ng/u1	99
87) Chrysene	21.339	228	2461005	43.679	ng/u1	97
90) Benzo(b)fluoranthene	22.945	252	1537312	22.745	ng/u1	97
91) Benzo(k)fluoranthene	22.986	252	639981m	9.786	ng/u1	
93) Benzo(a)pyrene	23.557	252	543682m	8.803	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.104	276	272442	3.692	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.115	278	88639m	1.444	ng/u1	

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

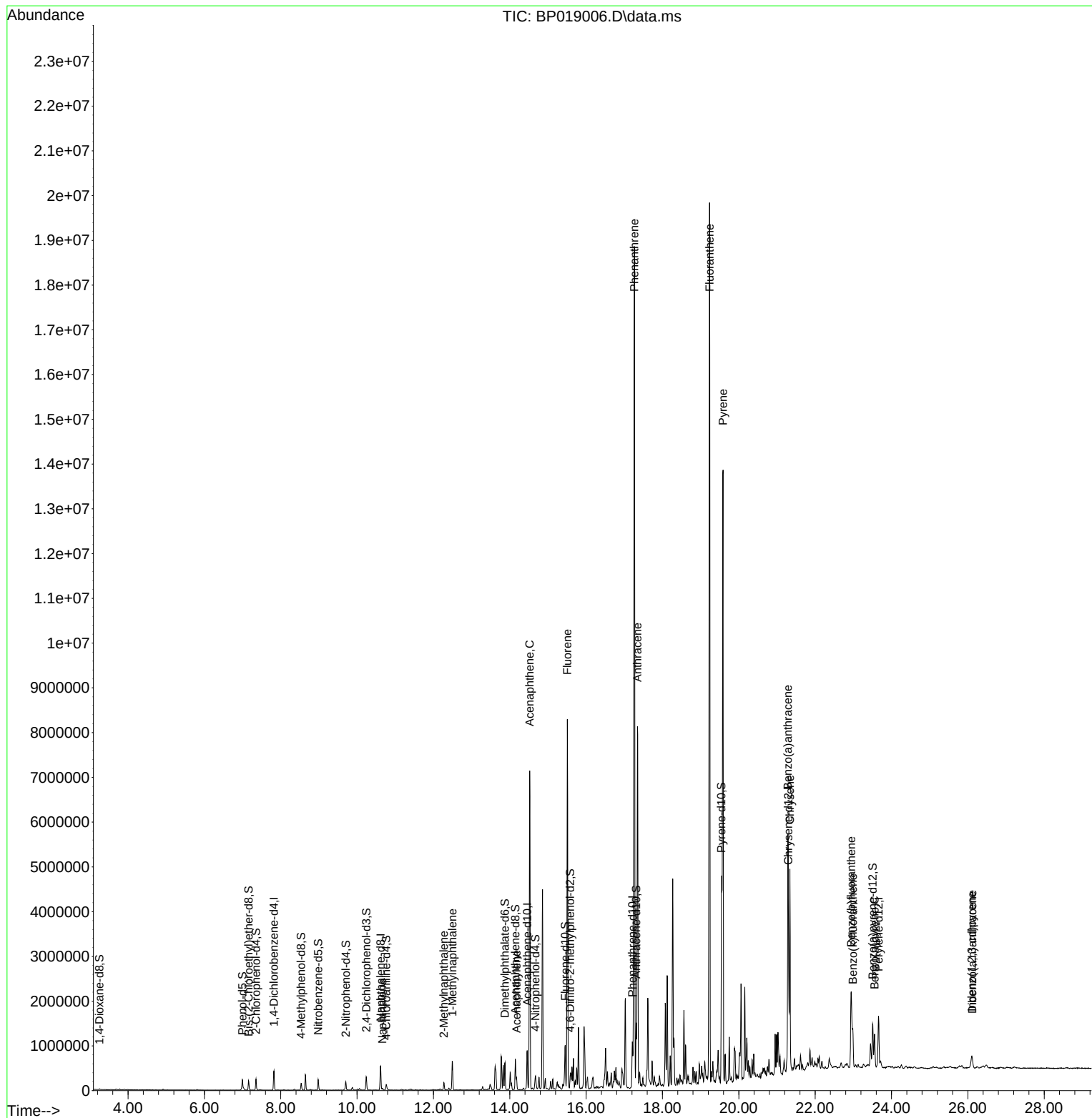
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP122123\
Data File : BP019006.D
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ALS Vial : 5 Sample Multiplier: 1

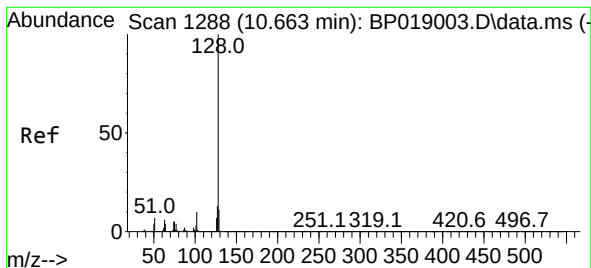
Instrument :
BNA_P
ClientSampleId :
DCLF4ME

Quant Time: Dec 22 23:14:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 21 04:46:12 2023
Response via : Initial Calibration

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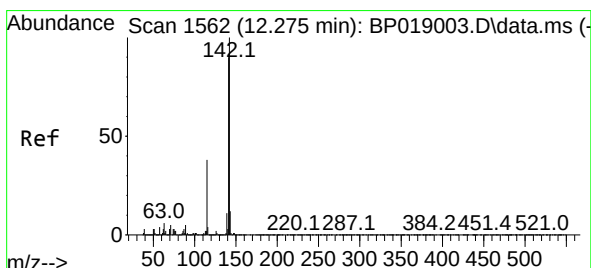
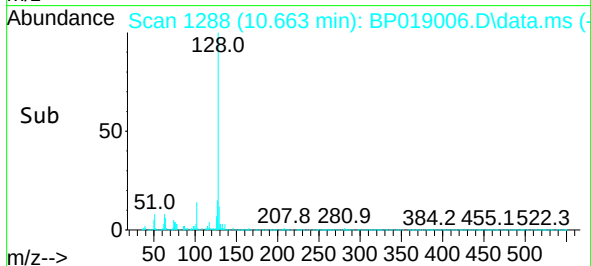
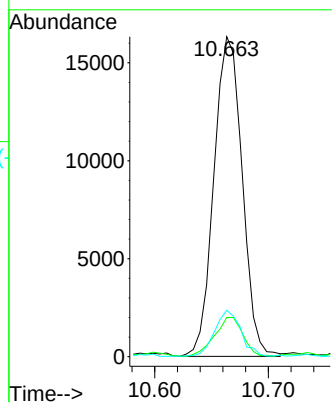
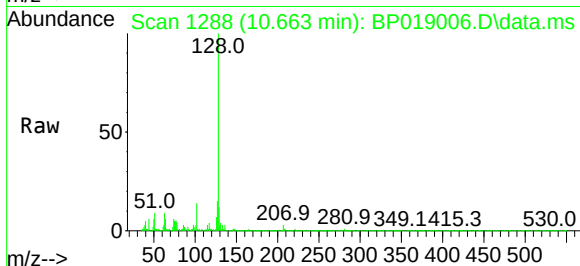
#30
Naphthalene
Concen: 1.038 ng/ul
RT: 10.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

Instrument :
BNA_P
ClientSampleId :
DCLF4ME

Tgt Ion:128 Resp: 28284
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 14.5 10.5 15.7

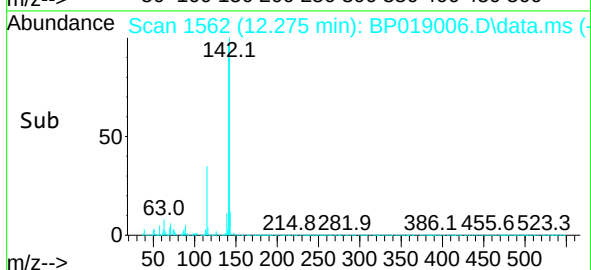
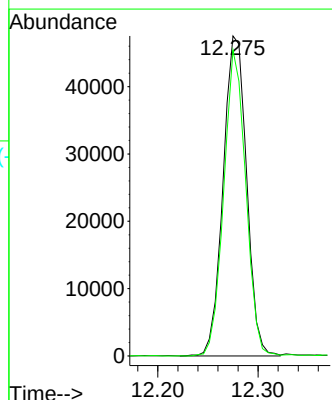
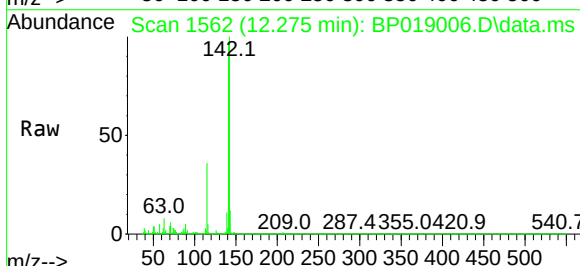
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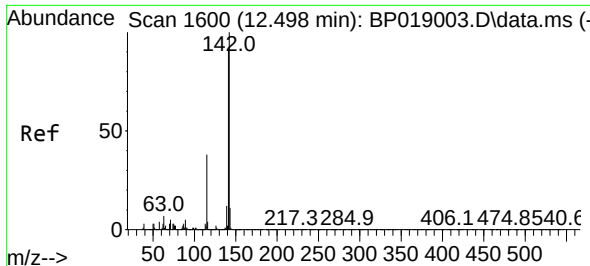
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/25/2023



#36
2-Methylnaphthalene
Concen: 3.989 ng/ul
RT: 12.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

Tgt Ion:142 Resp: 77010
Ion Ratio Lower Upper
142 100
141 95.6 71.4 107.0





#37

1-Methylnaphthalene

Concen: 15.332 ng/ul

RT: 12.493 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BP019006.D

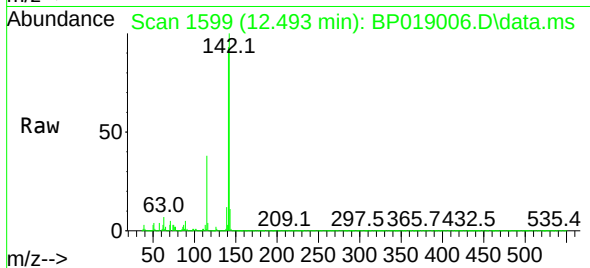
Acq: 21 Dec 2023 19:05

Instrument :

BNA_P

ClientSampleId :

DCLF4ME



Tgt Ion:142 Resp: 29889

Ion Ratio Lower Upper

142 100

141 92.9 73.5 110.3

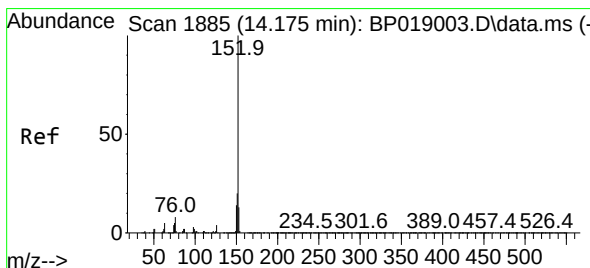
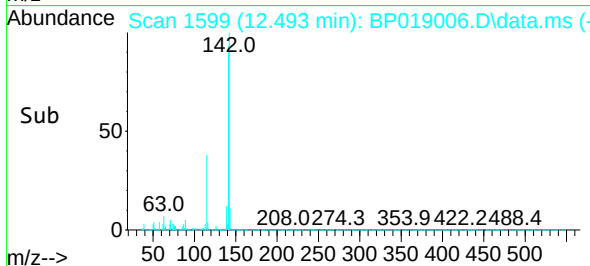
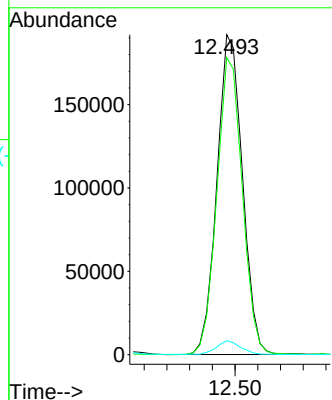
116 4.4 2.8 4.2

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#50

Acenaphthylene

Concen: 2.893 ng/ul

RT: 14.175 min Scan# 1885

Delta R.T. -0.006 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

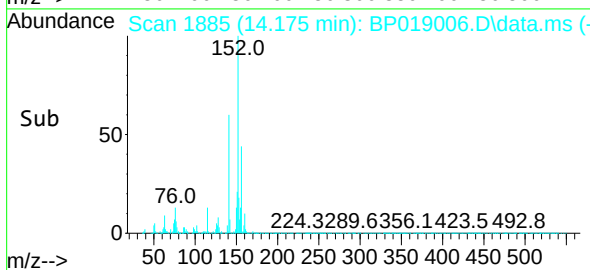
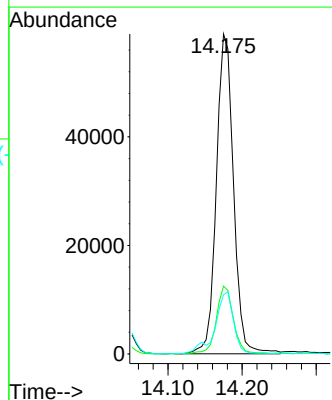
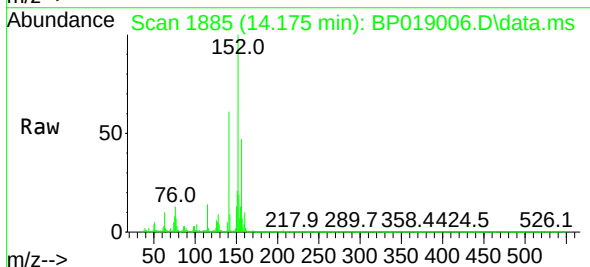
Tgt Ion:152 Resp: 94911

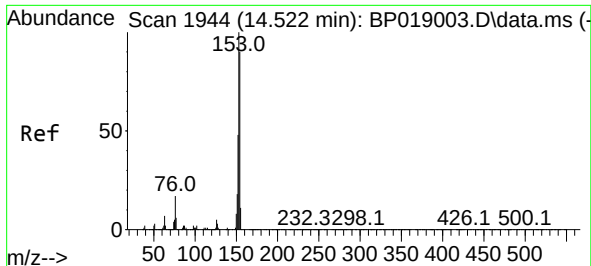
Ion Ratio Lower Upper

152 100

151 21.2 15.9 23.9

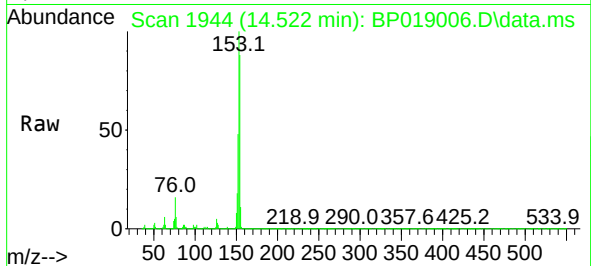
153 18.5 10.6 16.0





#52
Acenaphthene
Concen: 136.486 ng/u1
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

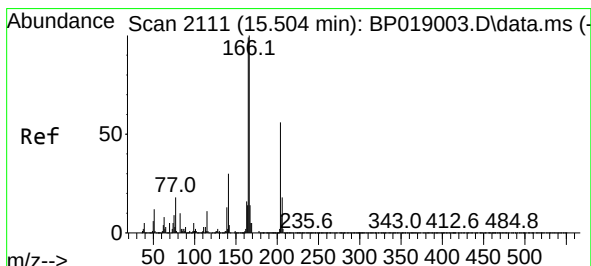
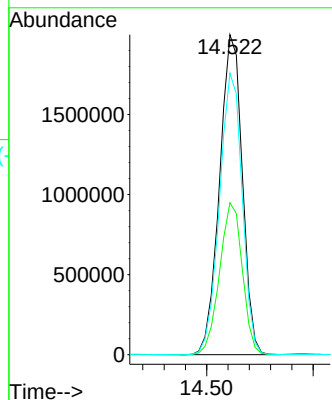
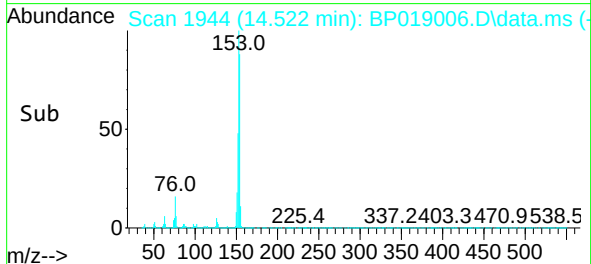
Instrument :
BNA_P
ClientSampleId :
DCLF4ME



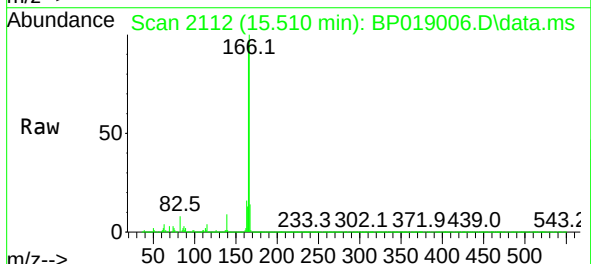
Tgt Ion:153 Resp: 2960490
Ion Ratio Lower Upper
153 100
152 47.5 38.1 57.1
154 88.0 71.7 107.5

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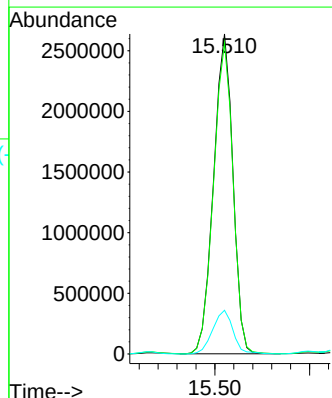
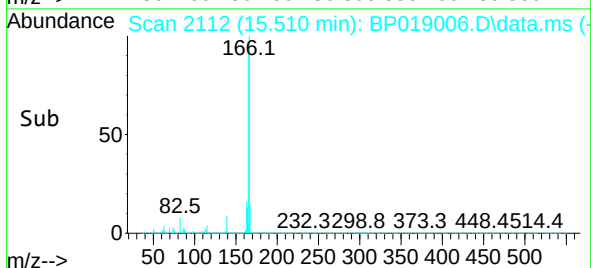
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/25/2023

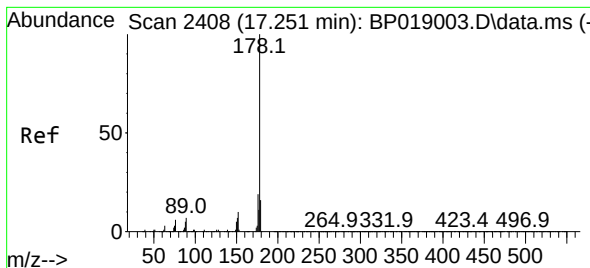


#61
Fluorene
Concen: 156.919 ng/u1
RT: 15.510 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05



Tgt Ion:166 Resp: 3743213
Ion Ratio Lower Upper
166 100
165 97.2 78.0 117.0
167 13.7 10.8 16.2





#72

Phenanthrene

Concen: 338.921 ng/u1

RT: 17.263 min Scan# 2410

Delta R.T. 0.012 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

Instrument :

BNA_P

ClientSampleId :

DCLF4ME

Tgt Ion:178 Resp:14505979

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

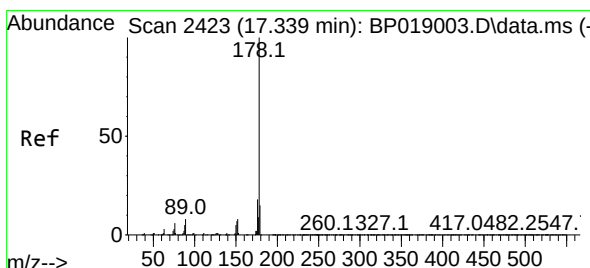
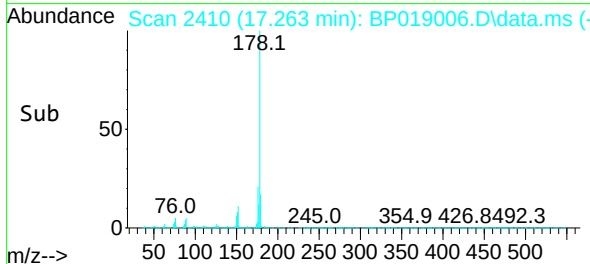
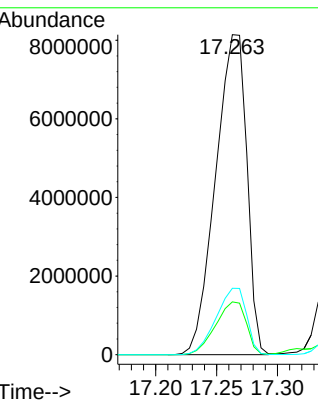
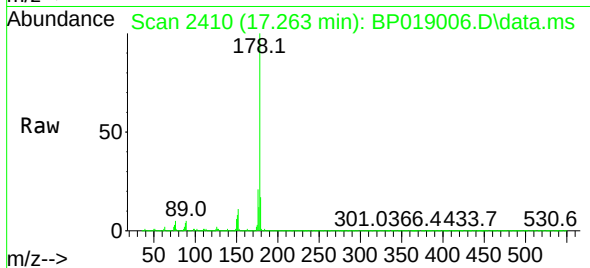
176 20.8 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/25/2023



#74

Anthracene

Concen: 124.320 ng/u1

RT: 17.345 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

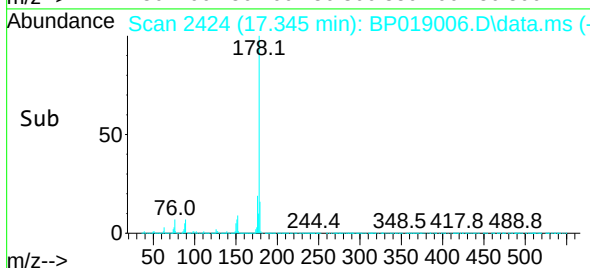
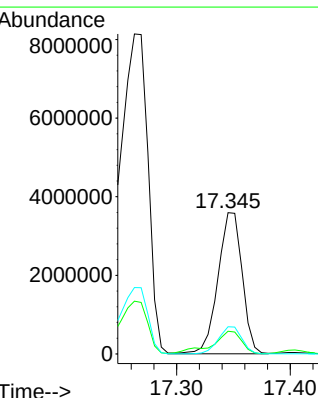
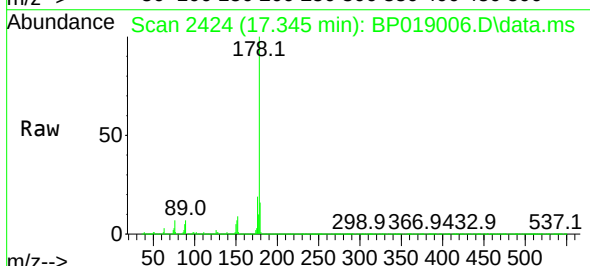
Tgt Ion:178 Resp: 5333556

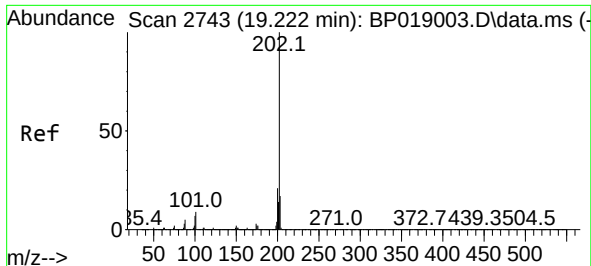
Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

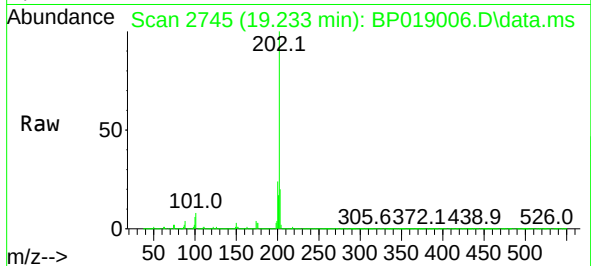
176 19.2 15.0 22.6





#80
Fluoranthene
Concen: 191.901 ng/u1
RT: 19.233 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

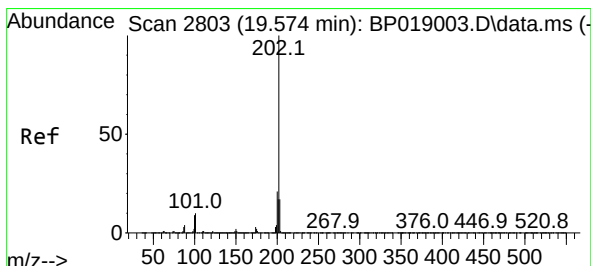
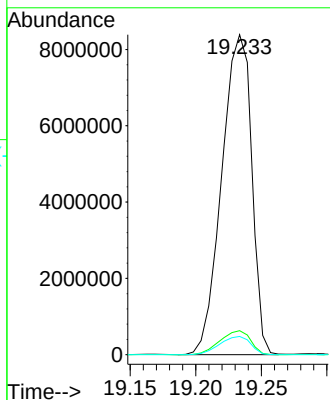
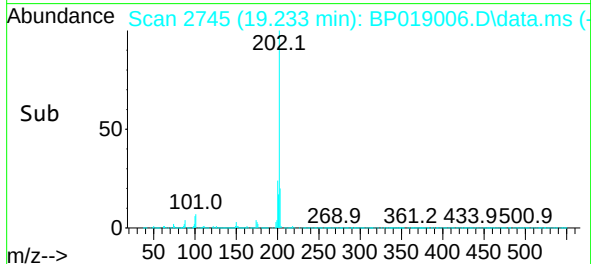
Instrument :
BNA_P
ClientSampleId :
DCLF4ME



Tgt Ion:202 Resp:13309760
Ion Ratio Lower Upper
202 100
101 7.5 9.1 13.7#
100 5.7 7.1 10.7#

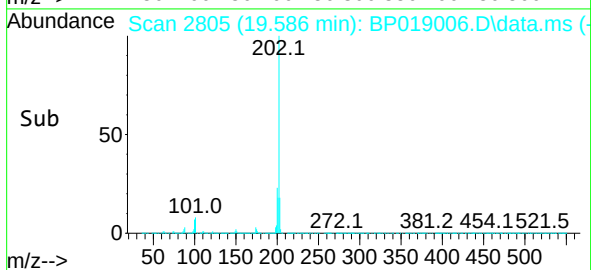
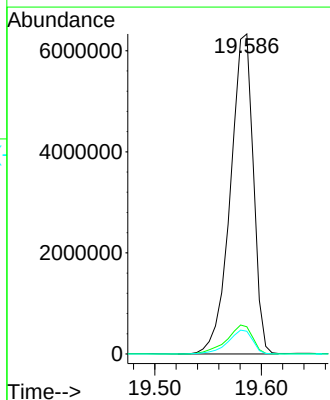
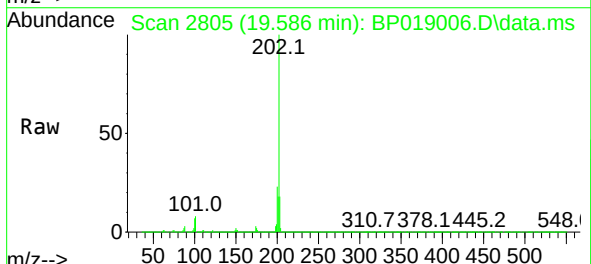
Manual Integrations
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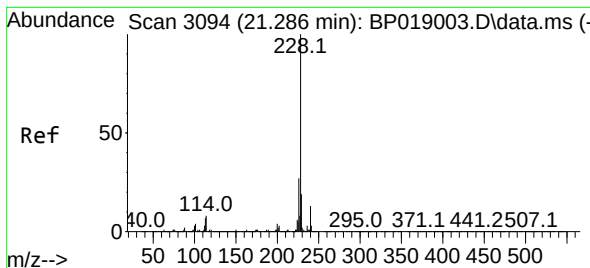
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/25/2023



#82
Pyrene
Concen: 135.295 ng/u1
RT: 19.586 min Scan# 2805
Delta R.T. 0.012 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

Tgt Ion:202 Resp: 9466411
Ion Ratio Lower Upper
202 100
101 8.5 11.0 16.4#
100 7.1 9.1 13.7#





#85

Benzo(a)anthracene

Concen: 42.382 ng/u1

RT: 21.286 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

Instrument :

BNA_P

ClientSampleId :

DCLF4ME

Tgt Ion:228 Resp: 259306

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

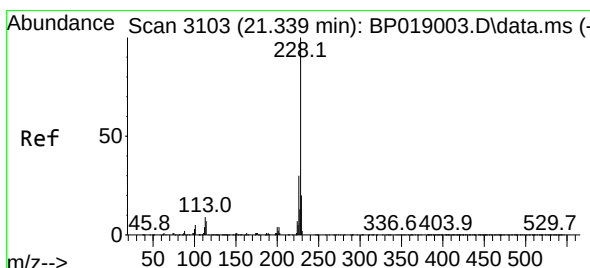
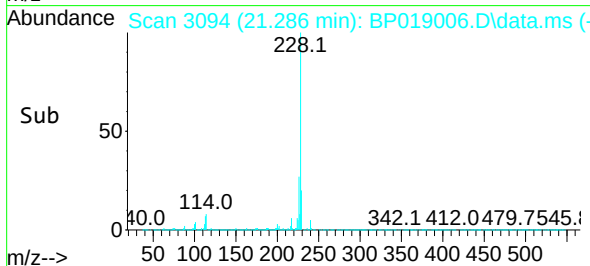
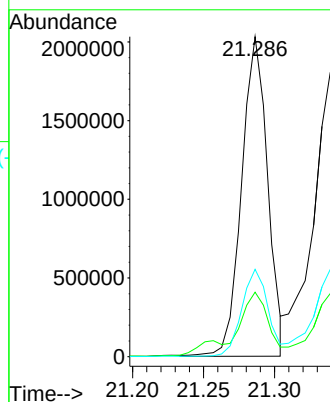
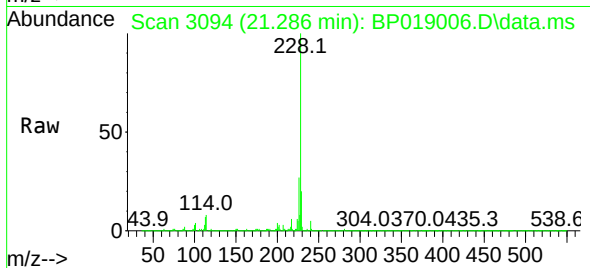
226 27.3 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/25/2023



#87

Chrysene

Concen: 43.679 ng/u1

RT: 21.339 min Scan# 3103

Delta R.T. 0.006 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

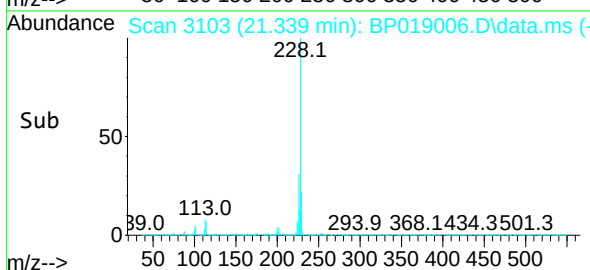
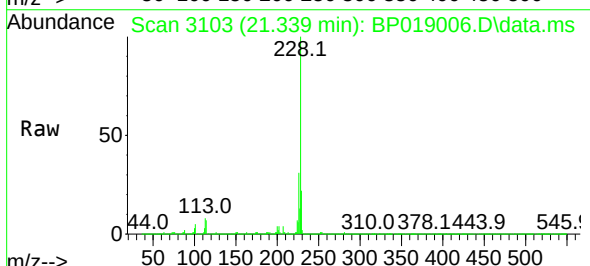
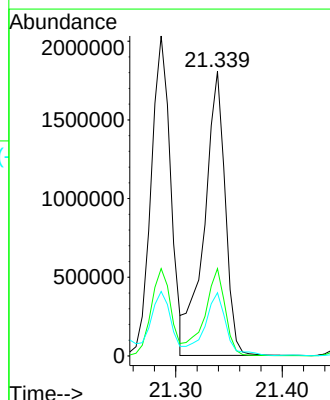
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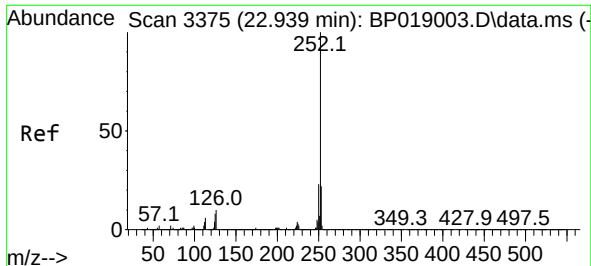
Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

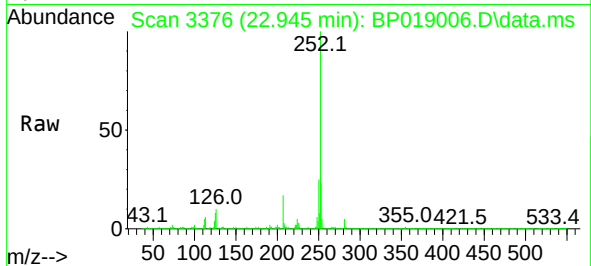
229 22.2 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 22.745 ng/ul
RT: 22.945 min Scan# 3375
Delta R.T. 0.006 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05

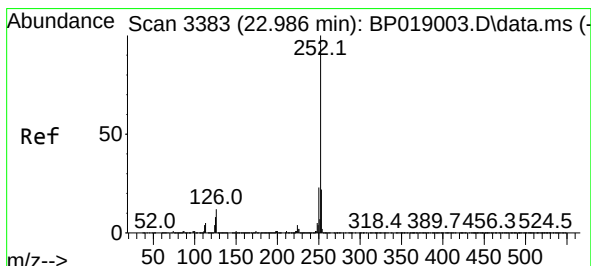
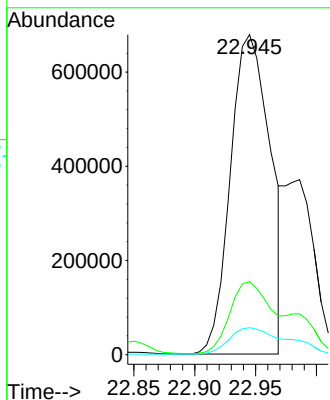
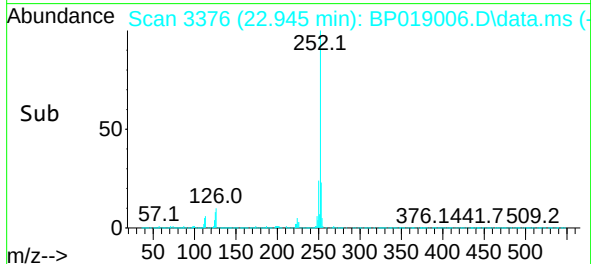
Instrument :
BNA_P
ClientSampleId :
DCLF4ME



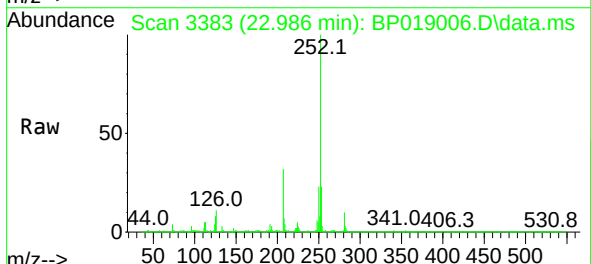
Tgt Ion:252 Resp: 153731
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 8.5 7.8 11.6

Manual Integrations
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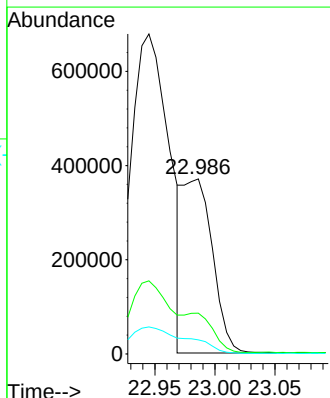
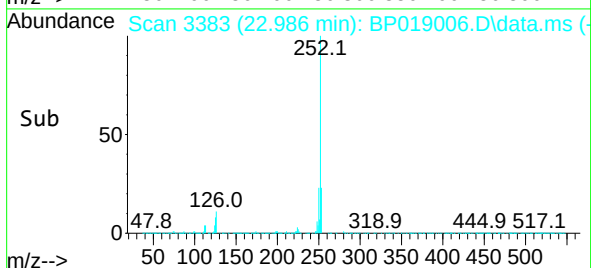
Reviewed By :Yogesh Patel 12/22/2023
Supervised By :mohammad ahmed 12/25/2023

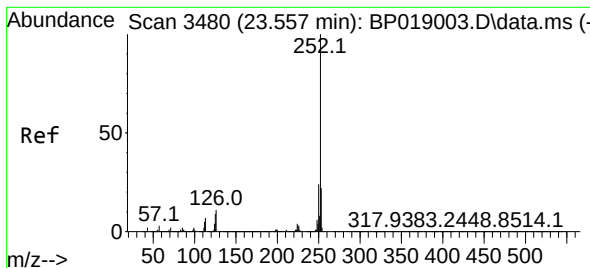


#91
Benzo(k)fluoranthene
Concen: 9.786 ng/ul m
RT: 22.986 min Scan# 3383
Delta R.T. 0.000 min
Lab File: BP019006.D
Acq: 21 Dec 2023 19:05



Tgt Ion:252 Resp: 639981
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 8.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 8.803 ng/ul m

RT: 23.557 min Scan# 3480

Delta R.T. 0.000 min

Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

Instrument :

BNA_P

ClientSampleId :

DCLF4ME

Tgt Ion:252 Resp: 54368

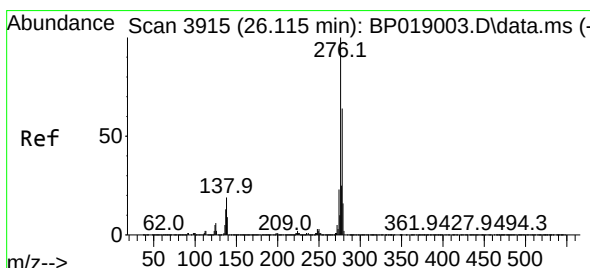
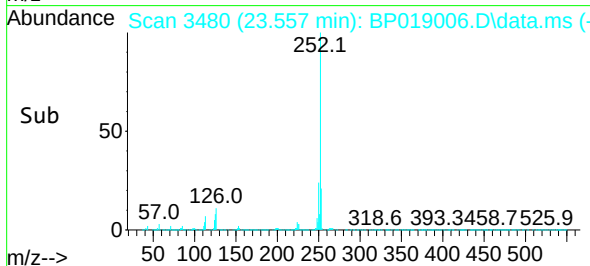
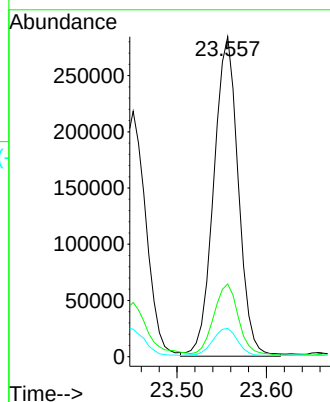
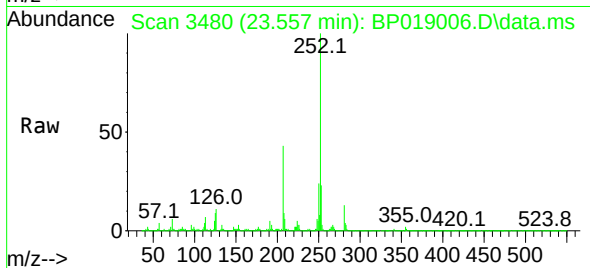
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	8.9	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/22/2023

Supervised By :mohammad ahmed 12/25/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.692 ng/ul

RT: 26.104 min Scan# 3913

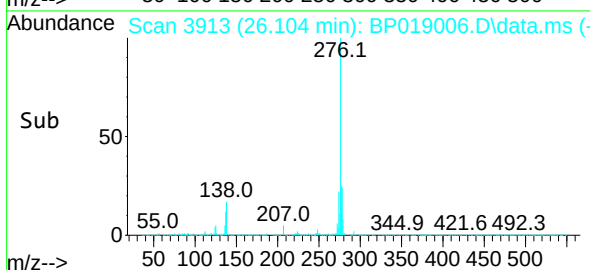
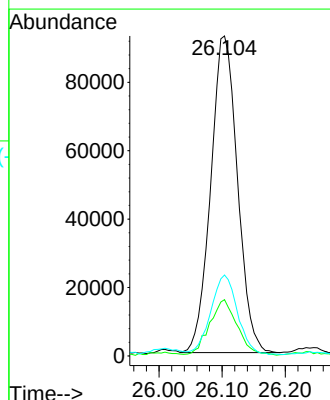
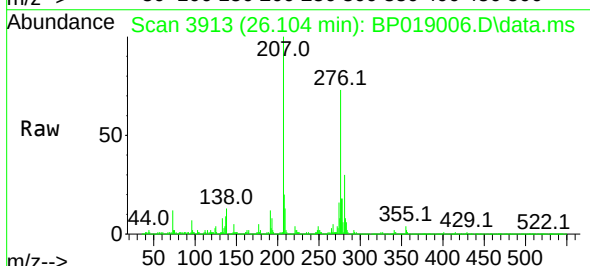
Delta R.T. -0.012 min

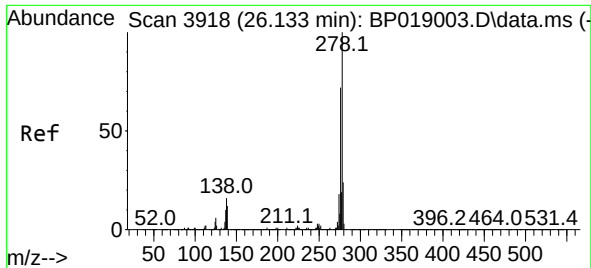
Lab File: BP019006.D

Acq: 21 Dec 2023 19:05

Tgt Ion:276 Resp: 272442

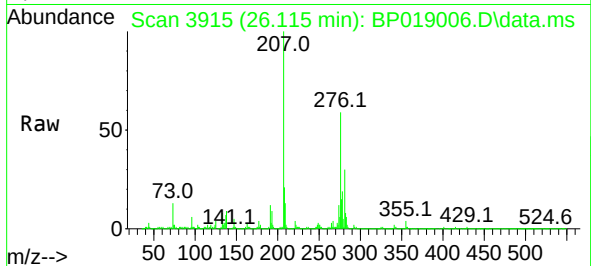
Ion	Ratio	Lower	Upper
276	100		
138	17.6	19.4	29.2
277	25.3	19.8	29.6





#95
 Dibenzo(a,h)anthracene
 Concen: 1.444 ng/ul m
 RT: 26.115 min Scan# 3915
 Delta R.T. -0.018 min
 Lab File: BP019006.D
 Acq: 21 Dec 2023 19:05

Instrument :
 BNA_P
 ClientSampleId :
 DCLF4ME



Tgt Ion: 278 Resp: 88639
 Ion Ratio Lower Upper
 278 100
 139 0.0 13.0 19.6
 279 28.5 18.7 28.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/22/2023
 Supervised By :mohammad ahmed 12/25/2023

