

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018945.D
 Acq On : 19 Dec 2023 13:25
 Operator : MA/JU
 Sample : 05794-23DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG4DL

Quant Time: Dec 20 00:19:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 05:28:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/20/2023
 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	203085	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	748243	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	468493	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1124565	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1121848	20.000	ng/u1	-0.01
88) Perylene-d12	23.674	264	1343918	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	3213	0.539	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.005	99	54414	2.670	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.163	67	29956	2.480	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	44987	2.829	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	41406	2.510	ng/u1	-0.01
21) Nitrobenzene-d5	8.993	128	19564	2.938	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	19376	2.806	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	42666	3.022	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	30384	1.647	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	135787	3.247	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	163518	3.551	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.686	143	9651	1.406	ng/u1	0.00
60) Fluorene-d10	15.451	176	136314	3.884	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	3004	0.446	ng/u1	0.00
73) Anthracene-d10	17.310	188	234324	3.964	ng/u1	0.00
81) Pyrene-d10	19.545	212	297041	3.401	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.521	264	295235	3.768	ng/u1	-0.01
Target Compounds					Qvalue	
16) Acetophenone	8.657	105	32028	1.303	ng/u1	96
52) Acenaphthene	14.522	153	73284	2.141	ng/u1	96
61) Fluorene	15.510	166	65768	1.747	ng/u1	98
72) Phenanthrene	17.251	178	1031875	15.193	ng/u1	100
74) Anthracene	17.345	178	306175	4.497	ng/u1	100
77) Carbazole	17.622	167	103365	1.905	ng/u1	99
80) Fluoranthene	19.227	202	2125138	20.588	ng/u1	95
82) Pyrene	19.580	202	1905177	18.295	ng/u1#	93
85) Benzo(a)anthracene	21.292	228	1154394	12.677	ng/u1	98
87) Chrysene	21.339	228	1046523	12.480	ng/u1	97
90) Benzo(b)fluoranthene	22.951	252	1506451	15.203	ng/u1	98
91) Benzo(k)fluoranthene	22.992	252	402074m	4.194	ng/u1	
93) Benzo(a)pyrene	23.568	252	963961	10.647	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.127	276	702772	6.497	ng/u1#	94
95) Dibenzo(a,h)anthracene	26.139	278	196167	2.180	ng/u1#	92
96) Benzo(g,h,i)perylene	26.886	276	210764	2.421	ng/u1	95

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

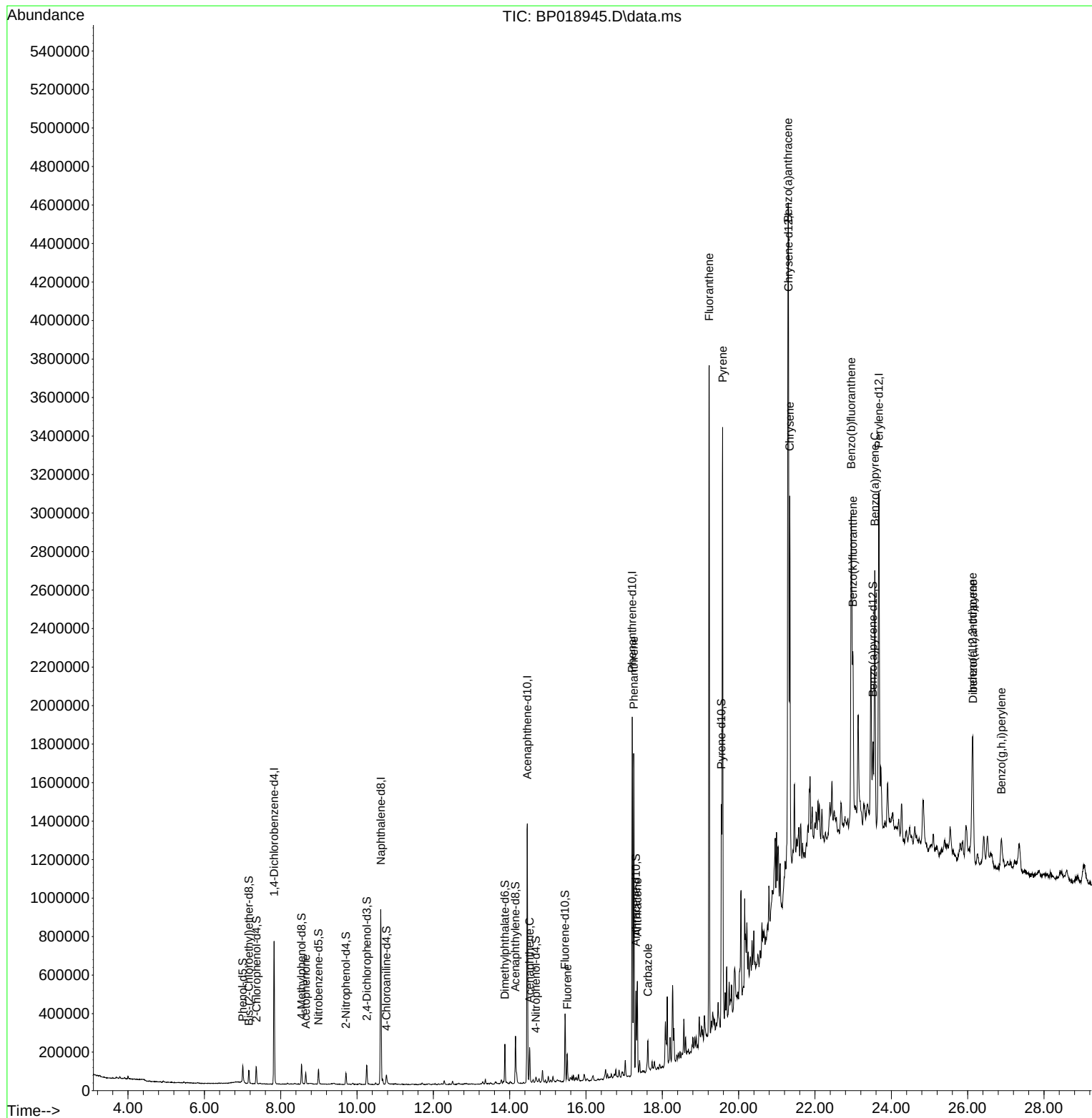
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Data File : BP018945.D
Acq On : 19 Dec 2023 13:25
Operator : MA/JU
Sample : 05794-23DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

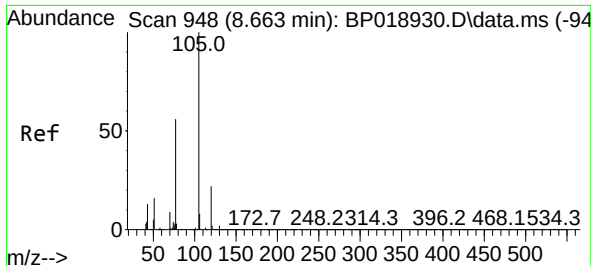
Instrument :
BNA_P
ClientSampleId :
BGRG4DL

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 19 05:28:03 2023
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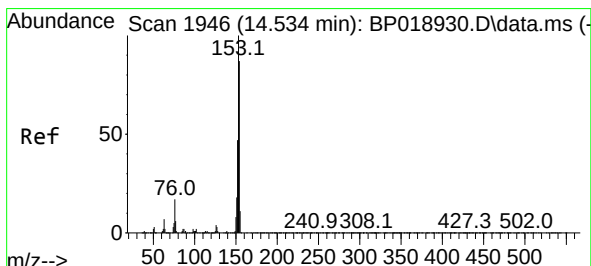
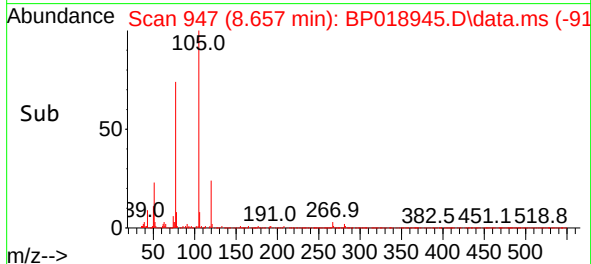
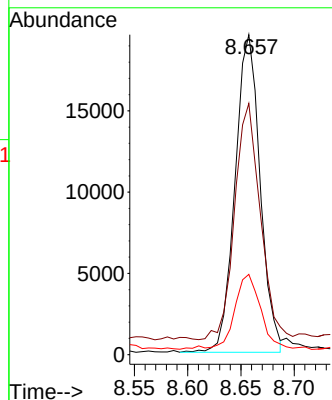
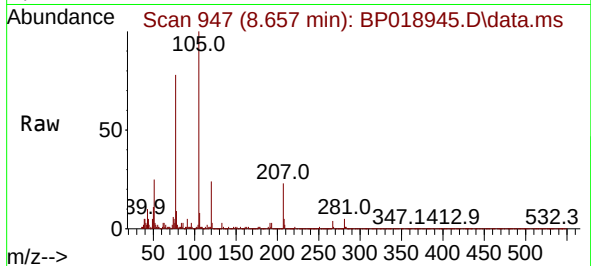
#16
Acetophenone
Concen: 1.303 ng/ul
RT: 8.657 min Scan# 948
Delta R.T. -0.006 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

Instrument :
BNA_P
ClientSampleId :
BGRG4DL

Tgt Ion:105 Resp: 32028
Ion Ratio Lower Upper
105 100
77 78.5 59.4 89.0
51 25.1 19.4 29.0

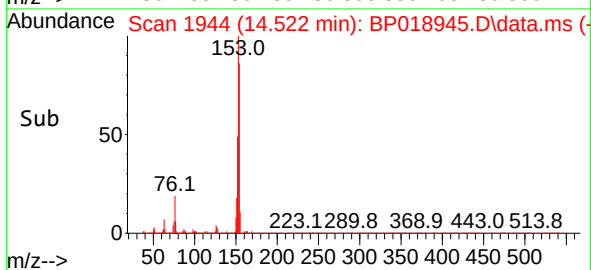
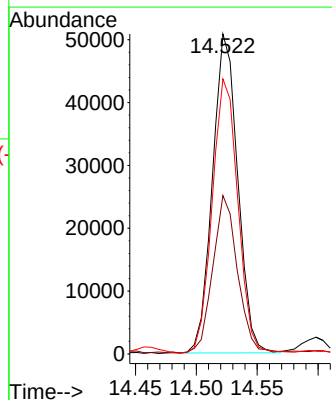
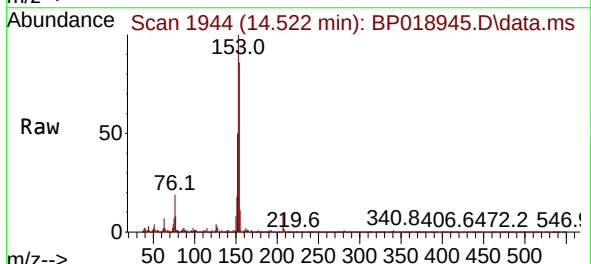
Manual Integrations
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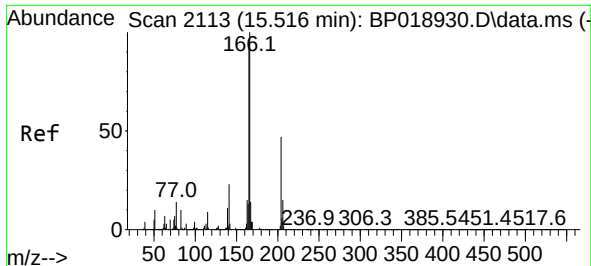
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#52
Acenaphthene
Concen: 2.141 ng/ul
RT: 14.522 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

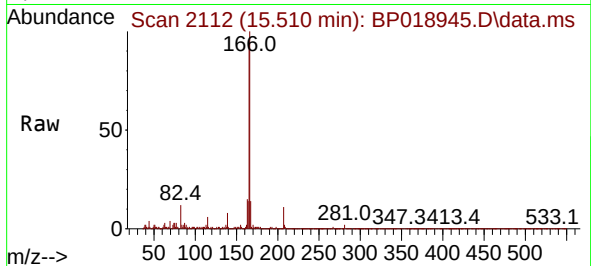
Tgt Ion:153 Resp: 73284
Ion Ratio Lower Upper
153 100
152 49.5 38.1 57.1
154 86.0 71.7 107.5





#61
Fluorene
Concen: 1.747 ng/ul
RT: 15.510 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

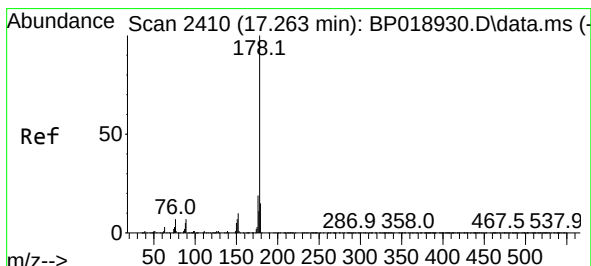
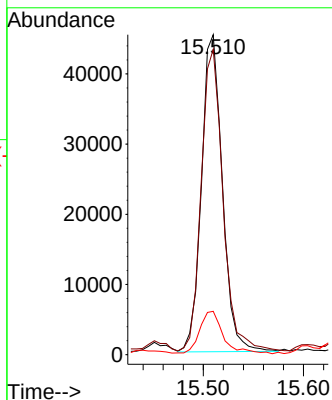
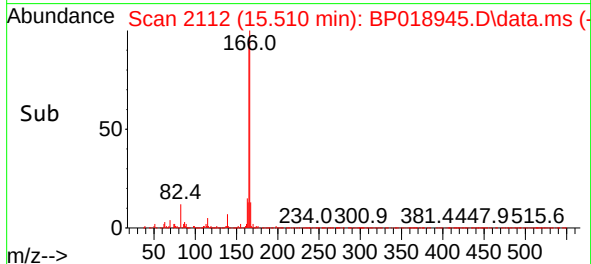
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BNA_P
ClientSampleId :
BGRG4DL



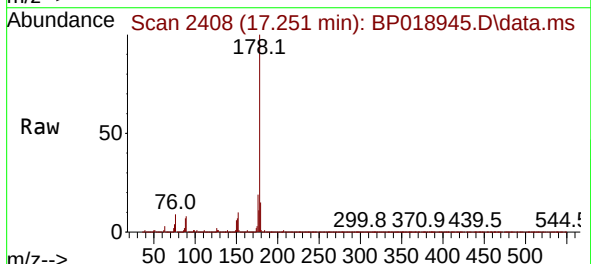
Tgt Ion:166 Resp: 65768
Ion Ratio Lower Upper
166 100
165 95.4 78.0 117.0
167 13.6 10.8 16.2

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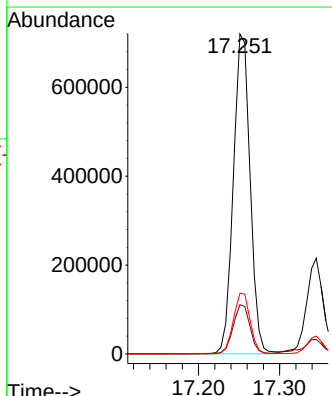
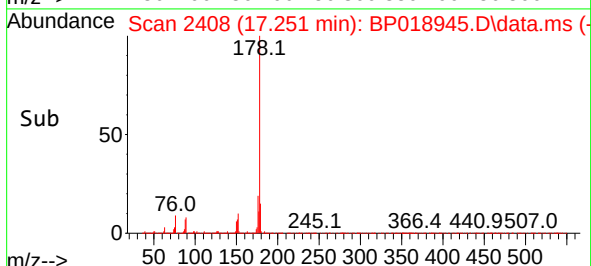
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

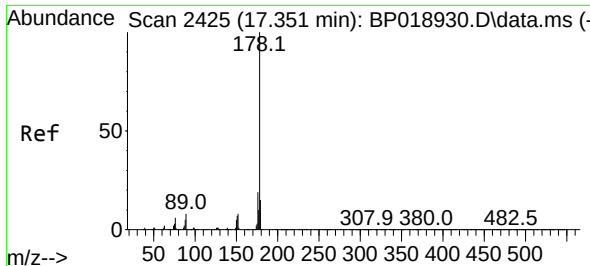


#72
Phenanthrene
Concen: 15.193 ng/ul
RT: 17.251 min Scan# 2408
Delta R.T. -0.012 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25



Tgt Ion:178 Resp: 1031875
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.0 15.4 23.2





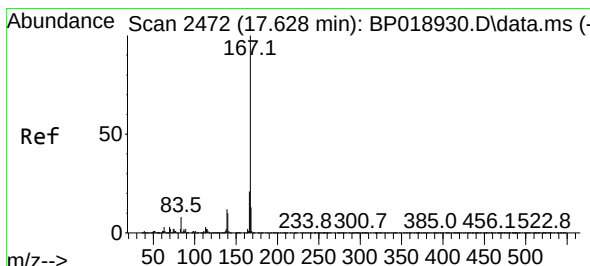
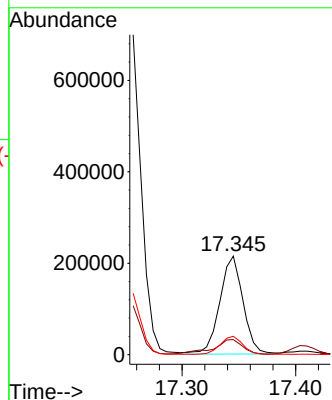
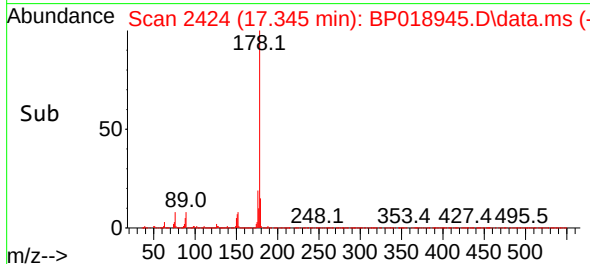
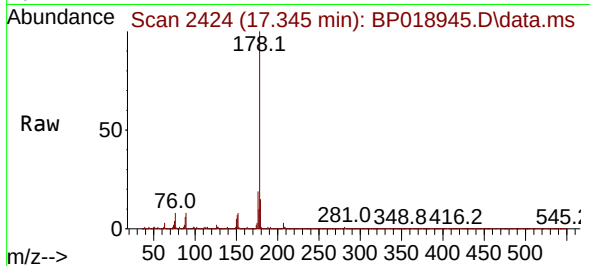
#74
 Anthracene
 Concen: 4.497 ng/u1
 RT: 17.345 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BP018945.D
 Acq: 19 Dec 2023 13:25

Instrument :
 BNA_P
 ClientSampleId :
 BGRG4DL

Tgt Ion:178 Resp: 306179
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 18.7 15.0 22.6

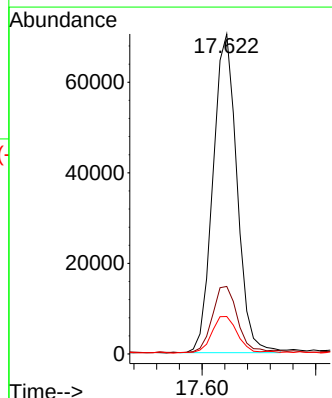
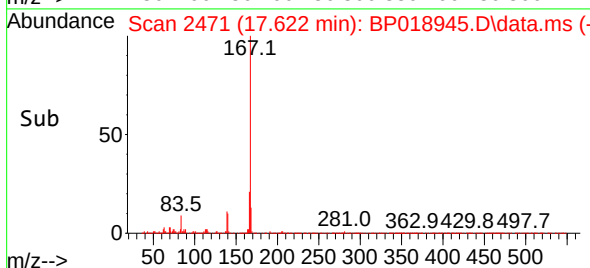
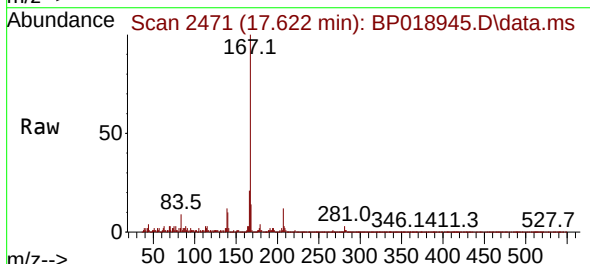
Manual Integrations
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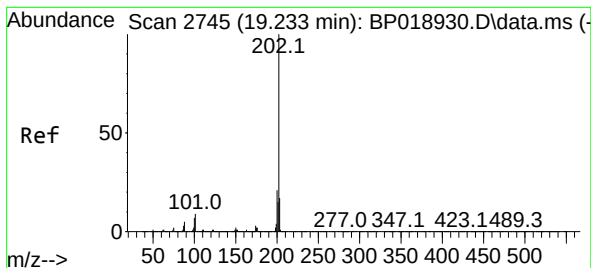
Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023



#77
 Carbazole
 Concen: 1.905 ng/u1
 RT: 17.622 min Scan# 2471
 Delta R.T. -0.006 min
 Lab File: BP018945.D
 Acq: 19 Dec 2023 13:25

Tgt Ion:167 Resp: 103365
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.1 25.7
 139 11.7 10.2 15.4





#80

Fluoranthene

Concen: 20.588 ng/u1

RT: 19.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

Instrument :

BNA_P

ClientSampleId :

BGRG4DL

Tgt Ion:202 Resp: 212513

Ion Ratio Lower Upper

202 100

101 9.4 9.1 13.7

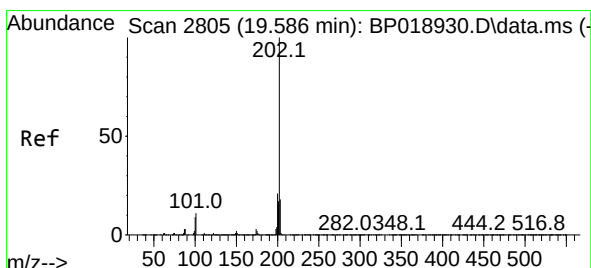
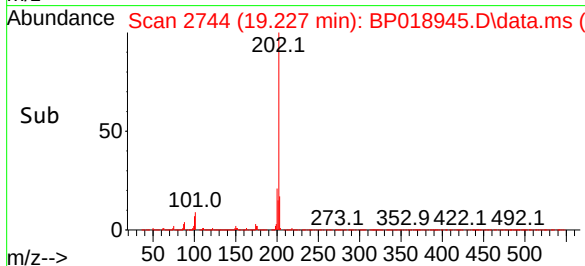
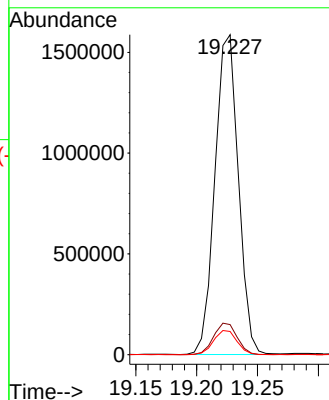
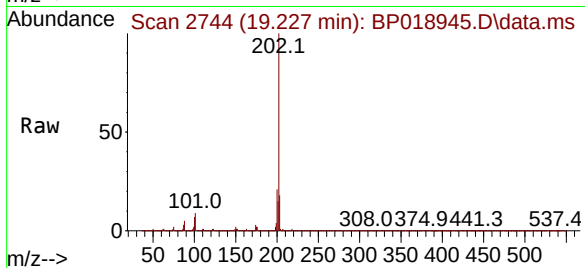
100 7.3 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#82

Pyrene

Concen: 18.295 ng/u1

RT: 19.580 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

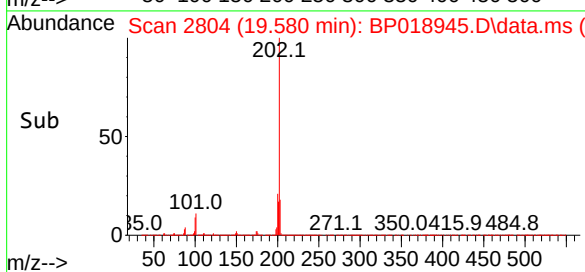
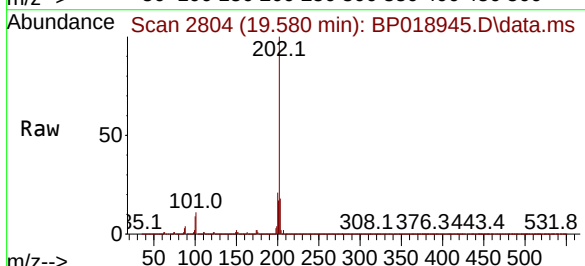
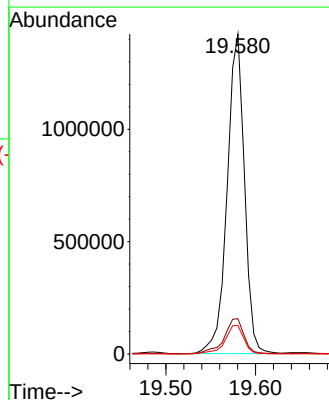
Tgt Ion:202 Resp: 1905177

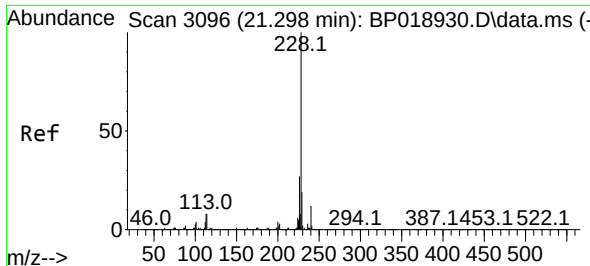
Ion Ratio Lower Upper

202 100

101 11.0 11.0 16.4

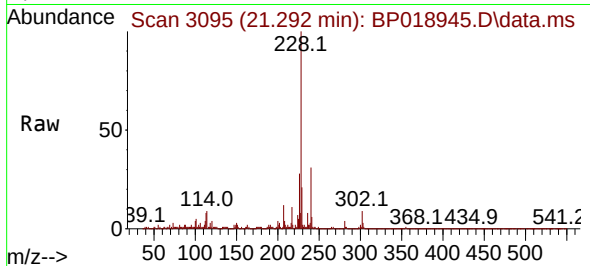
100 8.9 9.1 13.7#





#85
Benzo(a)anthracene
Concen: 12.677 ng/u1
RT: 21.292 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

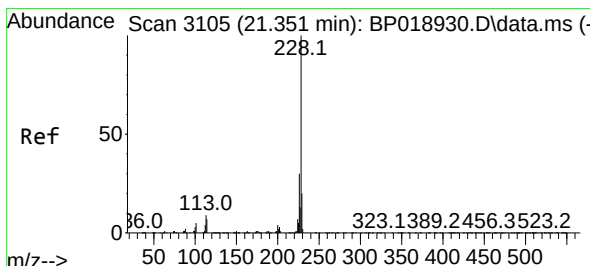
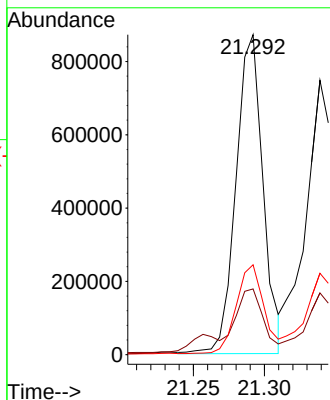
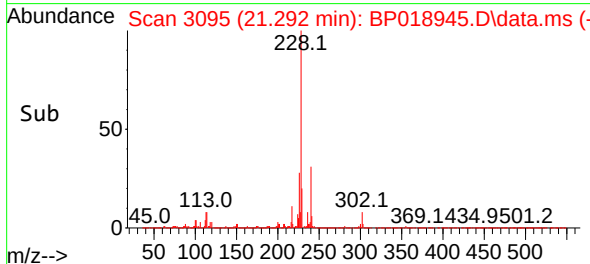
Instrument :
BNA_P
ClientSampleId :
BGRG4DL



Tgt Ion:228 Resp: 1154394
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.1 21.9 32.9

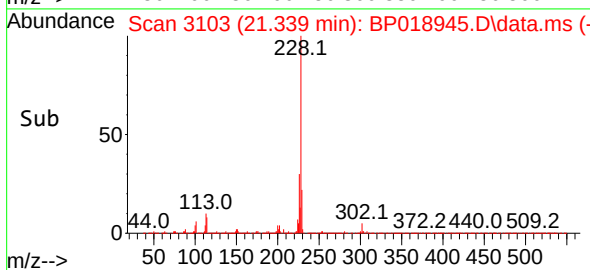
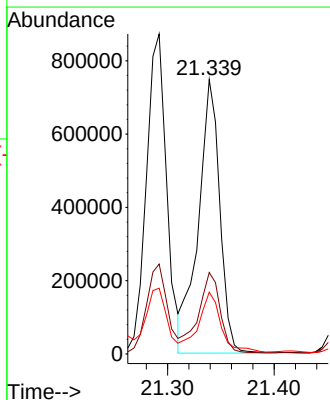
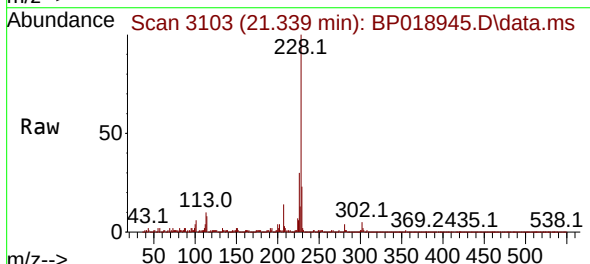
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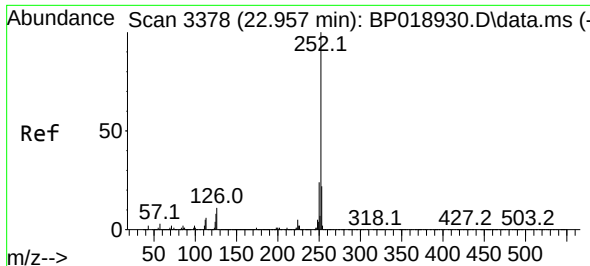
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#87
Chrysene
Concen: 12.480 ng/u1
RT: 21.339 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

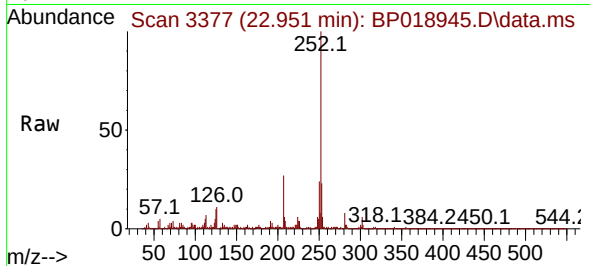
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Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.5 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 15.203 ng/ul
RT: 22.951 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

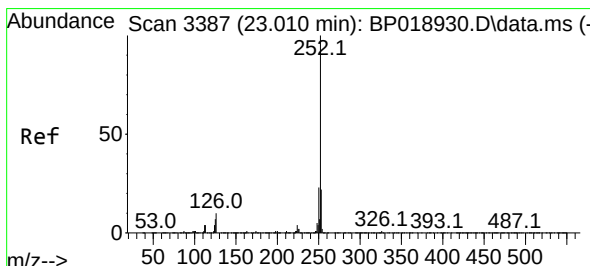
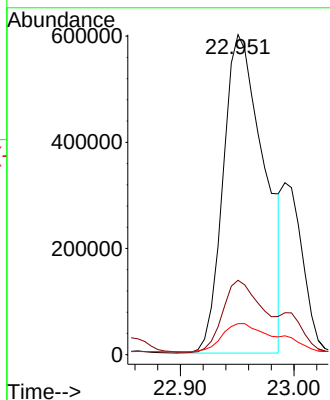
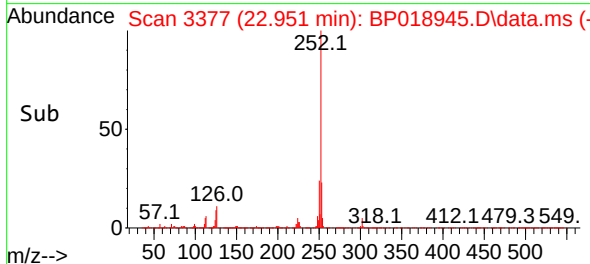
Instrument :
BNA_P
ClientSampleId :
BGRG4DL



Tgt Ion:252 Resp: 150645
Ion Ratio Lower Upper
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253 23.3 17.3 25.9
125 9.7 7.8 11.6

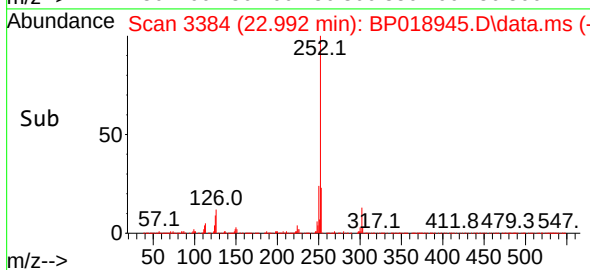
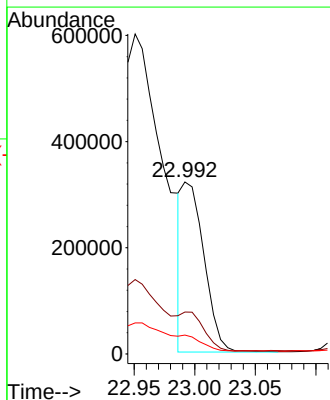
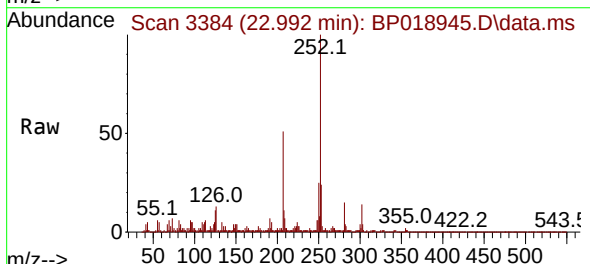
Manual Integrations
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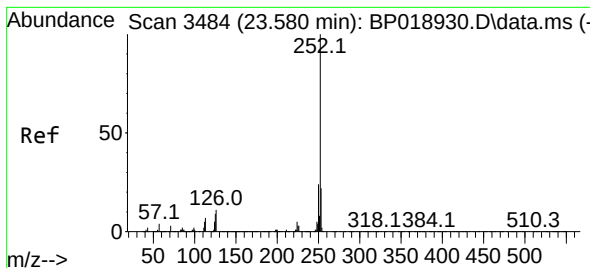
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#91
Benzo(k)fluoranthene
Concen: 4.194 ng/ul m
RT: 22.992 min Scan# 3384
Delta R.T. -0.018 min
Lab File: BP018945.D
Acq: 19 Dec 2023 13:25

Tgt Ion:252 Resp: 402074
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 11.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 10.647 ng/ul

RT: 23.568 min Scan# 3482

Delta R.T. -0.012 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

Instrument :

BNA_P

ClientSampleId :

BGRG4DL

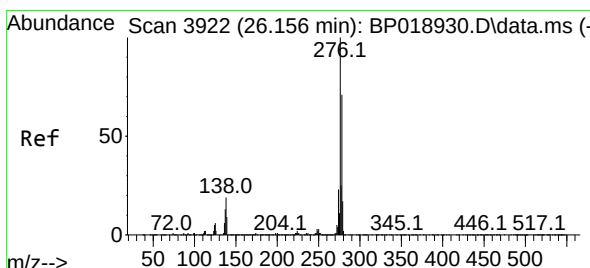
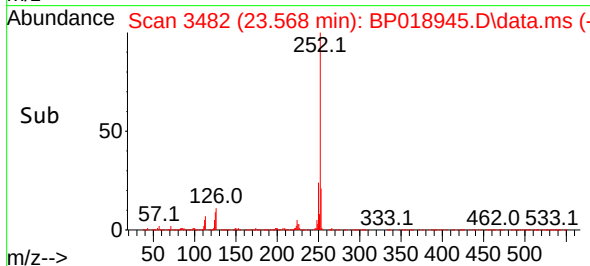
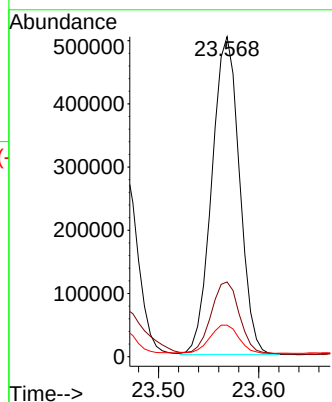
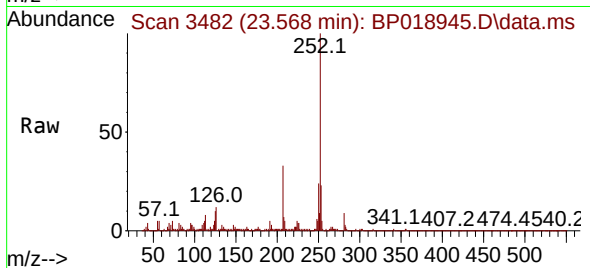
Tgt Ion:	252	Resp:	96396
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	9.8	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.497 ng/ul

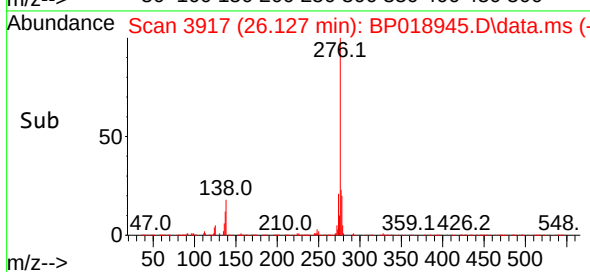
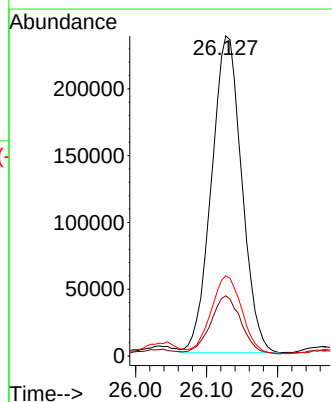
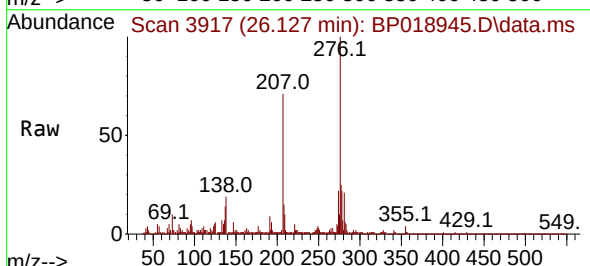
RT: 26.127 min Scan# 3917

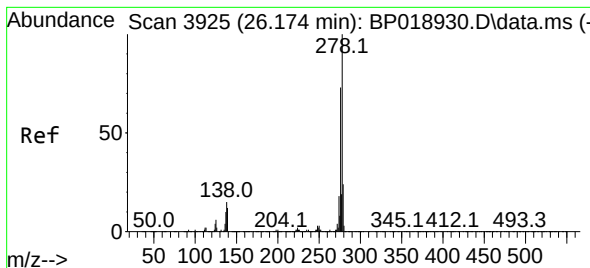
Delta R.T. -0.029 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

Tgt Ion:	276	Resp:	702772
Ion Ratio	Lower	Upper	
276	100		
138	18.8	19.4	29.2
277	25.1	19.8	29.6





#95

Dibenzo(a,h)anthracene

Concen: 2.180 ng/ul

RT: 26.139 min Scan# 3919

Delta R.T. -0.035 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

Instrument :

BNA_P

ClientSampleId :

BGRG4DL

Tgt Ion:278 Resp: 19616

Ion Ratio Lower Upper

278 100

139 18.3 13.0 19.6

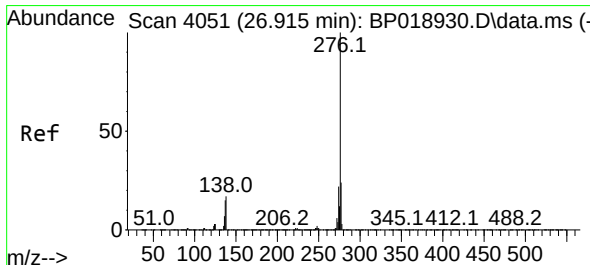
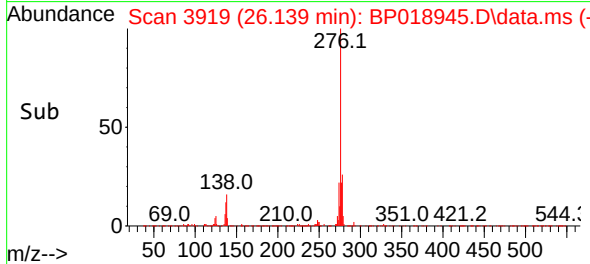
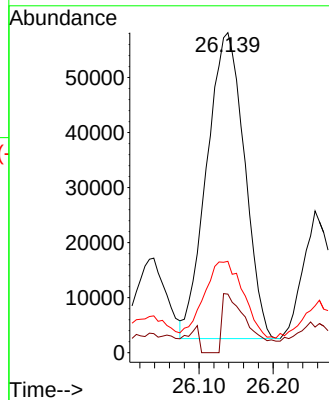
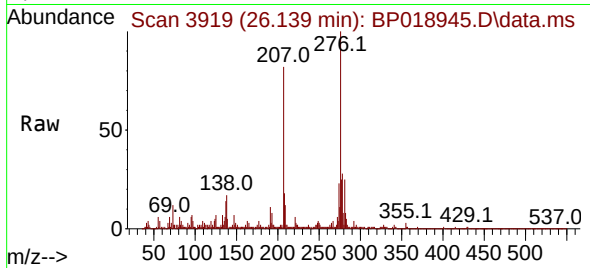
279 28.6 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#96

Benzo(g,h,i)perylene

Concen: 2.421 ng/ul

RT: 26.886 min Scan# 4046

Delta R.T. -0.029 min

Lab File: BP018945.D

Acq: 19 Dec 2023 13:25

Tgt Ion:276 Resp: 210764

Ion Ratio Lower Upper

276 100

138 20.3 18.1 27.1

277 26.9 19.4 29.0

