

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050323\
 Data File : BP014938.D
 Acq On : 03 May 2023 19:44
 Operator : CG/JU
 Sample : 02419-21DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW918DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 06:58:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 03 23:33:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	294977	20.000	ng/u1	0.00
20) Naphthalene-d8	10.999	136	1234511	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	649391	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	1059905	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	865399	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1180227	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	4512	0.569	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.305	99	77338	3.024	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	52321	3.310	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	64514	3.431	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	56179	2.851	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	26622	3.032	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	26310	2.918	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	55218	3.119	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	32526m	1.270	ng/u1	0.00
46) Dimethylphthalate-d6	14.204	166	167961	3.654	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	192950	3.500	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.798	176	134902	3.412	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.910	200	6796	1.139	ng/u1	0.00
73) Anthracene-d10	17.663	188	173627	3.646	ng/u1	0.00
81) Pyrene-d10	19.880	212	189272	3.243	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	225267	3.917	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.875	153	50179	1.160	ng/u1	99
61) Fluorene	15.857	166	49212	1.069	ng/u1	98
72) Phenanthrene	17.610	178	954015	16.293	ng/u1	100
74) Anthracene	17.698	178	217267	3.727	ng/u1	98
77) Carbazole	17.963	167	85134	1.736	ng/u1	99
80) Fluoranthene	19.557	202	1817523	25.377	ng/u1	99
82) Pyrene	19.910	202	1622089	21.377	ng/u1	98
85) Benzo(a)anthracene	21.633	228	903119	15.635	ng/u1	99
87) Chrysene	21.686	228	903935	15.542	ng/u1	97
90) Benzo(b)fluoranthene	23.451	252	1455039	19.076	ng/u1	98
91) Benzo(k)fluoranthene	23.498	252	428132m	5.515	ng/u1	
93) Benzo(a)pyrene	24.133	252	994065	14.860	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.004	276	743967	9.117	ng/u1	96
95) Dibenzo(a,h)anthracene	27.015	278	188130	2.813	ng/u1#	79
96) Benzo(g,h,i)perylene	27.856	276	618253	8.902	ng/u1	98

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

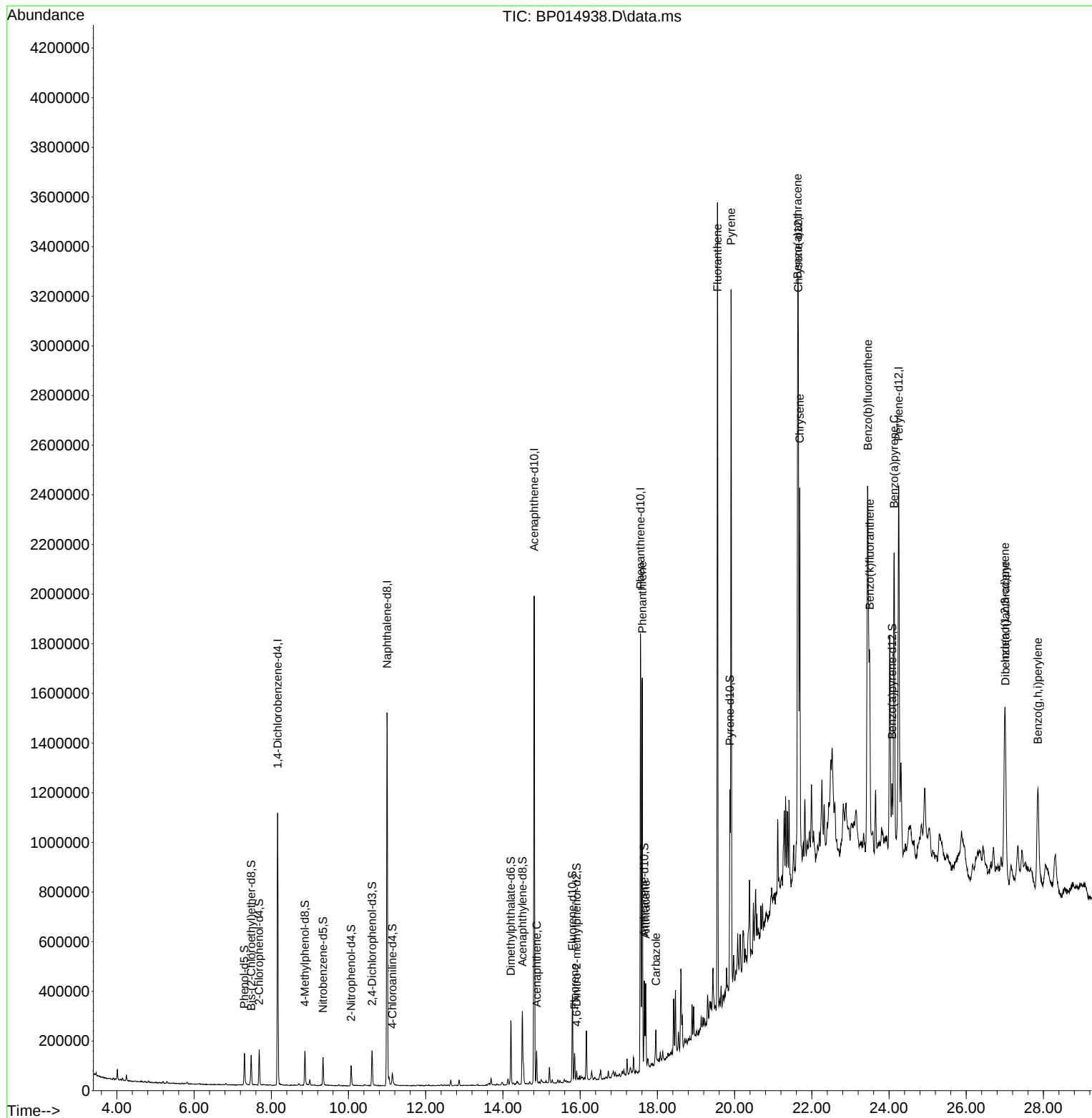
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050323\
Data File : BP014938.D
Acq On : 03 May 2023 19:44
Operator : CG/JU
Sample : 02419-21DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

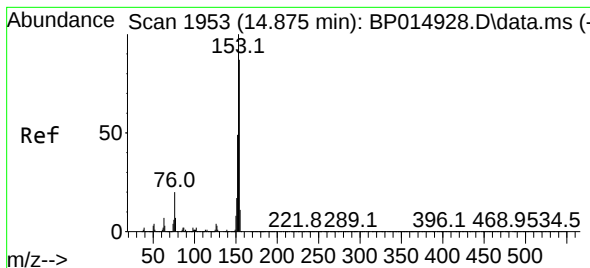
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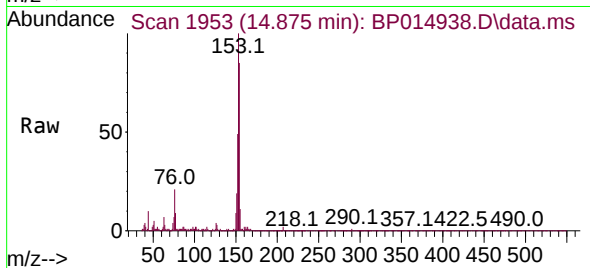
Quant Time: May 04 06:58:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 03 23:33:17 2023
Response via : Initial Calibration





#52
Acenaphthene
Concen: 1.160 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44

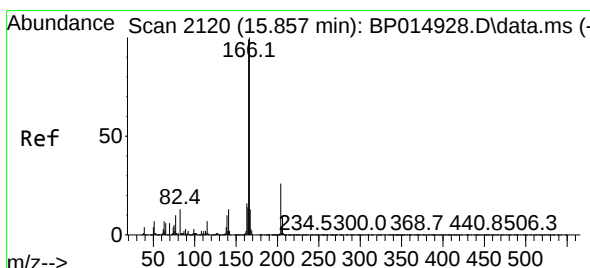
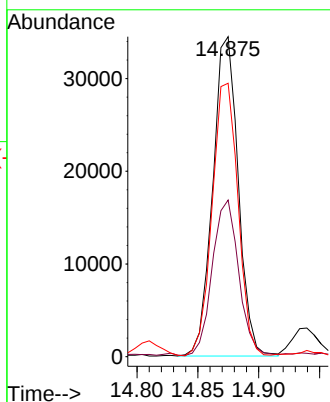
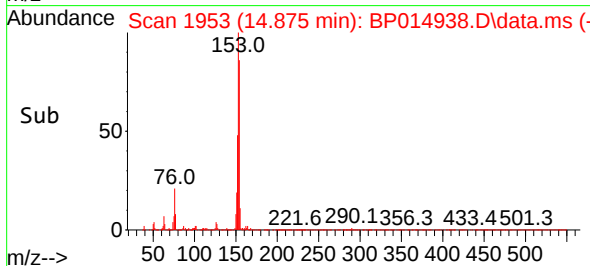
Instrument :
BNA_P
ClientSampleId :
EW918DL



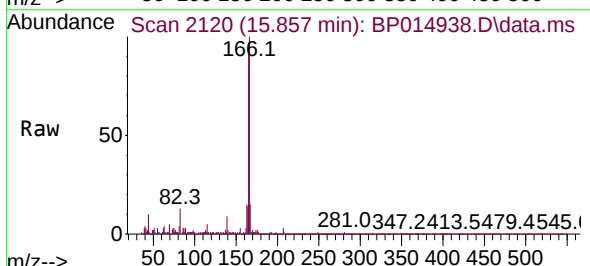
Tgt Ion:153 Resp: 50179
Ion Ratio Lower Upper
153 100
152 48.9 38.8 58.2
154 85.4 69.6 104.4

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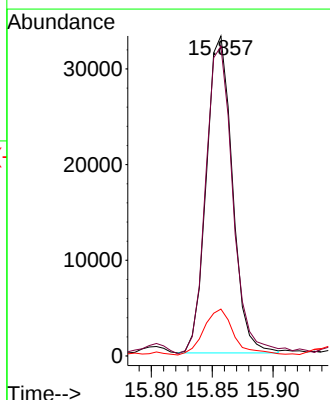
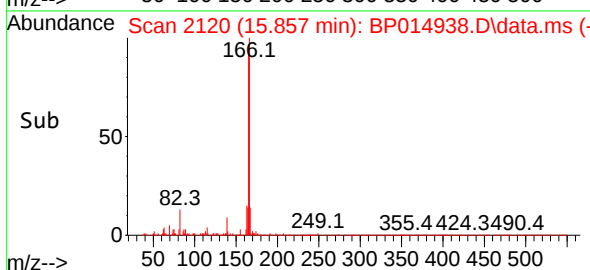
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

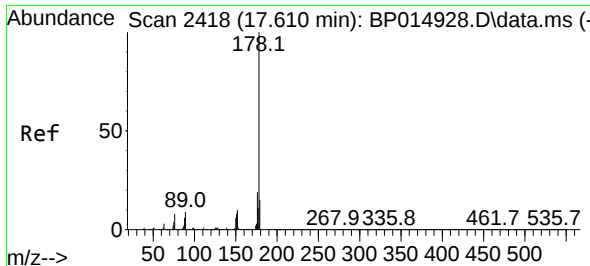


#61
Fluorene
Concen: 1.069 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44



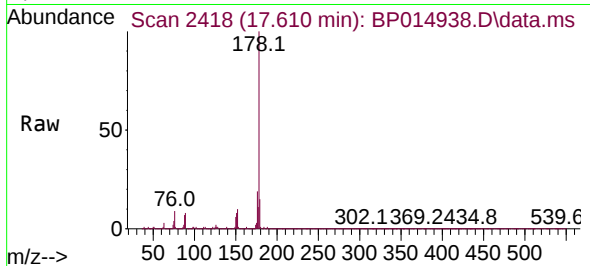
Tgt Ion:166 Resp: 49212
Ion Ratio Lower Upper
166 100
165 96.7 79.3 118.9
167 14.6 10.7 16.1





#72
Phenanthrene
Concen: 16.293 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44

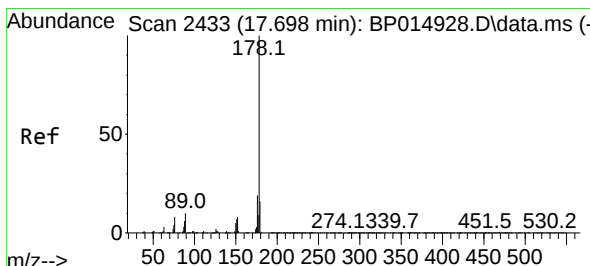
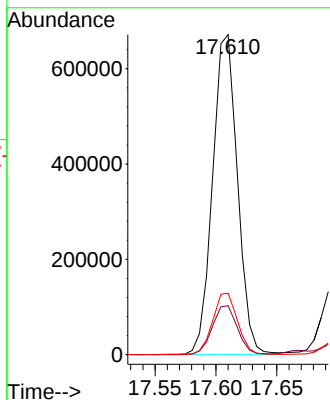
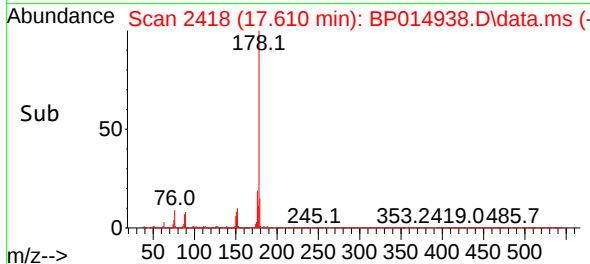
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 954015
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 19.2 15.4 23.0

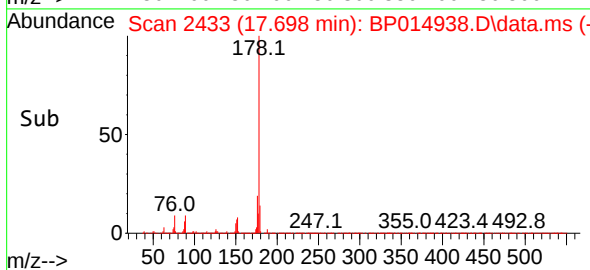
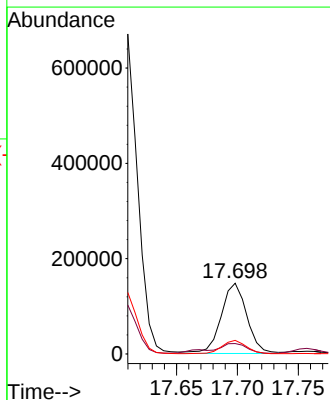
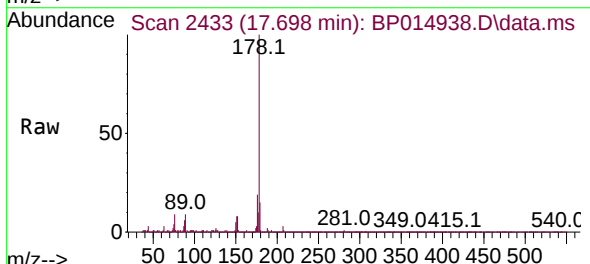
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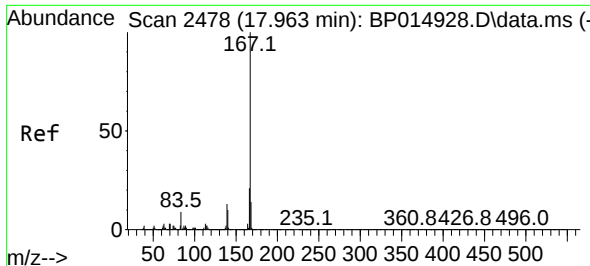
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#74
Anthracene
Concen: 3.727 ng/ul
RT: 17.698 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44

Tgt Ion:178 Resp: 217267
Ion Ratio Lower Upper
178 100
179 14.6 12.6 18.8
176 19.3 15.0 22.4





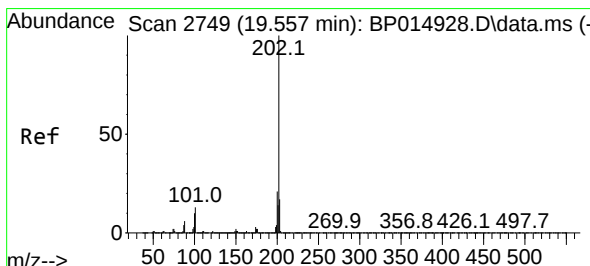
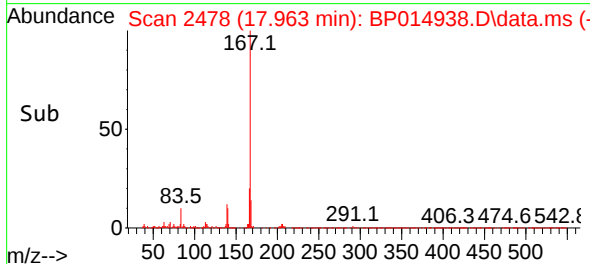
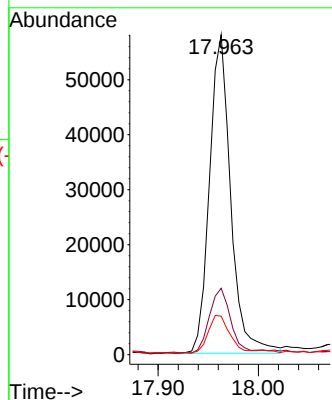
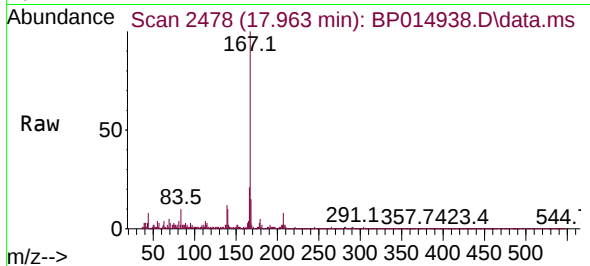
#77
 Carbazole
 Concen: 1.736 ng/ul
 RT: 17.963 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BP014938.D
 Acq: 03 May 2023 19:44

Instrument :
 BNA_P
 ClientSampleId :
 EW918DL

Tgt Ion:167 Resp: 85134
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.1 25.7
 139 12.0 10.1 15.1

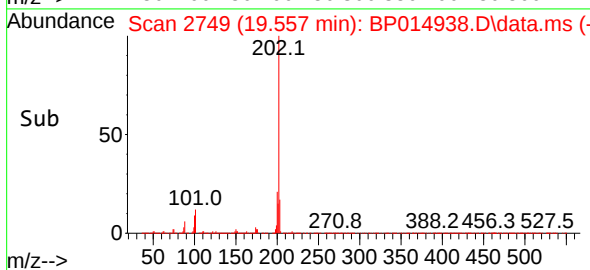
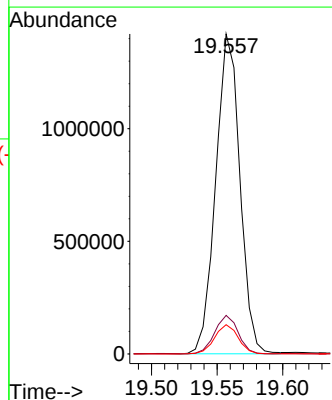
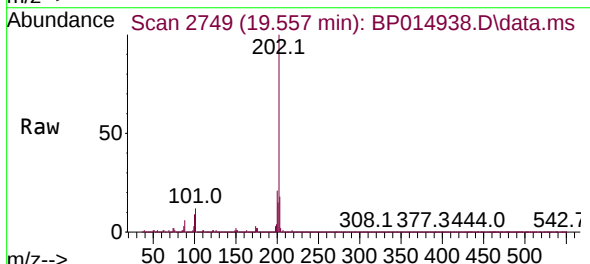
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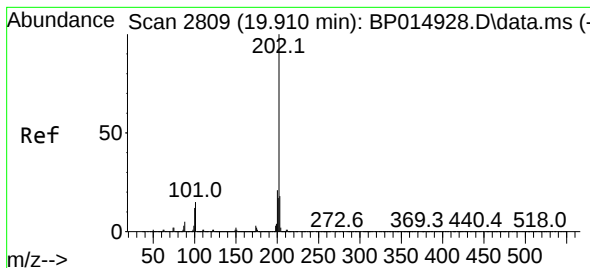
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023



#80
 Fluoranthene
 Concen: 25.377 ng/ul
 RT: 19.557 min Scan# 2749
 Delta R.T. -0.000 min
 Lab File: BP014938.D
 Acq: 03 May 2023 19:44

Tgt Ion:202 Resp: 1817523
 Ion Ratio Lower Upper
 202 100
 101 12.0 10.1 15.1
 100 9.1 7.7 11.5





#82

Pyrene

Concen: 21.377 ng/ul

RT: 19.910 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

Instrument :

BNA_P

ClientSampleId :

EW918DL

Tgt Ion:202 Resp: 1622089

Ion Ratio Lower Upper

202 100

101 14.0 11.9 17.9

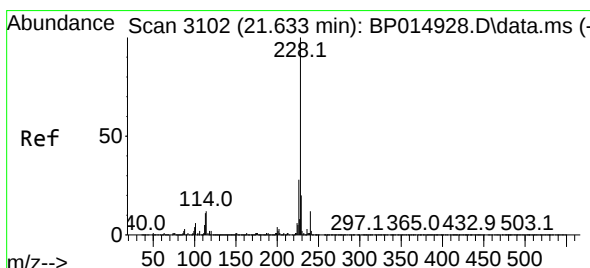
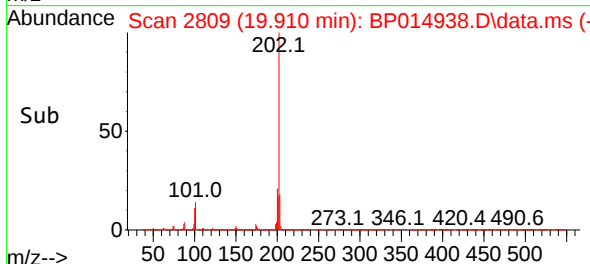
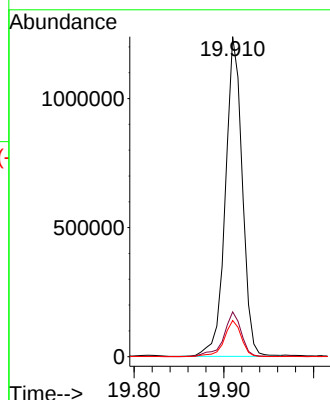
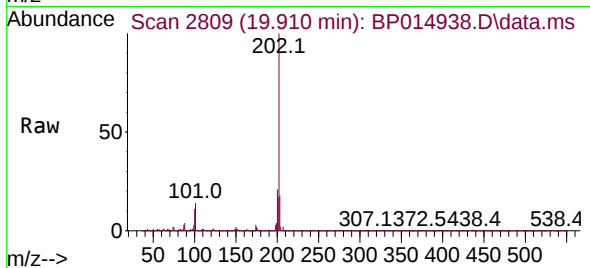
100 11.3 9.7 14.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#85

Benzo(a)anthracene

Concen: 15.635 ng/ul

RT: 21.633 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

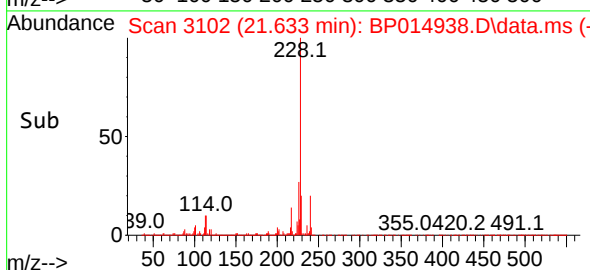
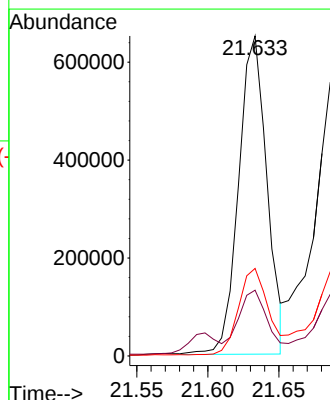
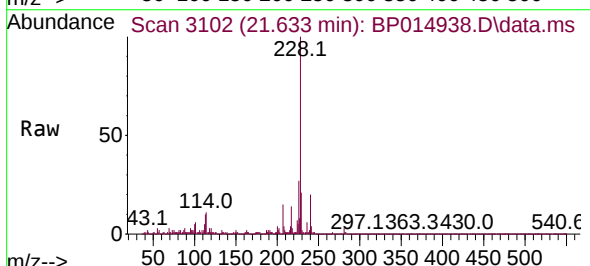
Tgt Ion:228 Resp: 903119

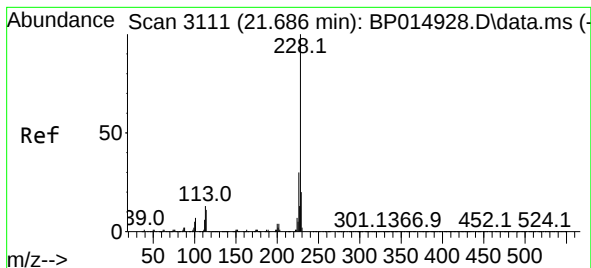
Ion Ratio Lower Upper

228 100

229 20.6 15.9 23.9

226 27.3 22.1 33.1





#87

Chrysene

Concen: 15.542 ng/ul

RT: 21.686 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

Instrument :

BNA_P

ClientSampleId :

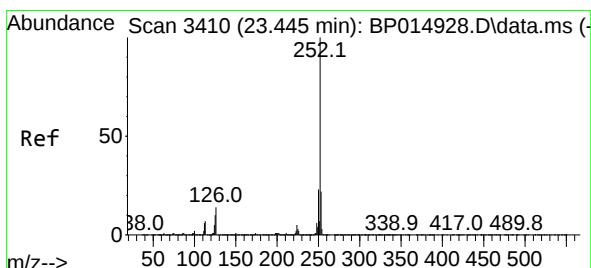
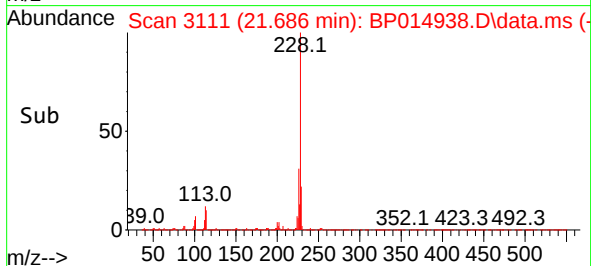
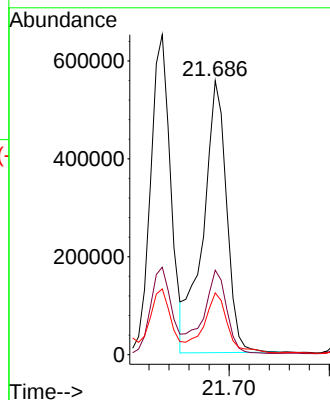
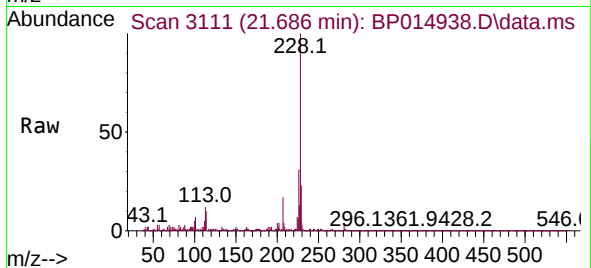
EW918DL

Tgt Ion:	228	Resp:	90393
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.3	36.5
229	22.6	15.8	23.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/04/2023



#90

Benzo(b)fluoranthene

Concen: 19.076 ng/ul

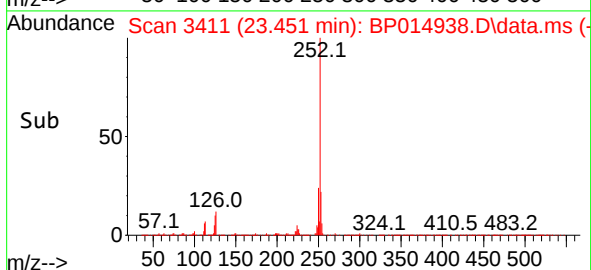
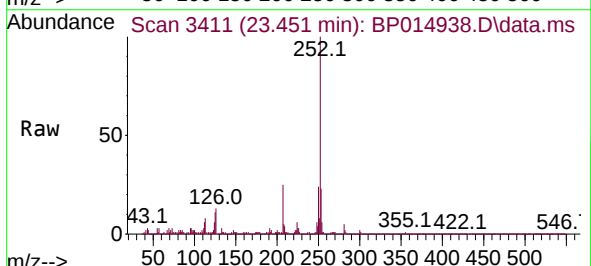
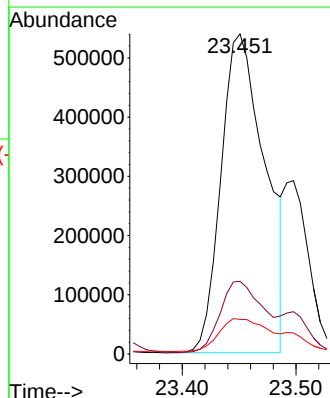
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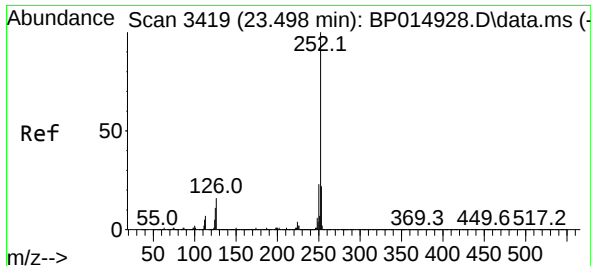
Delta R.T. 0.006 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

Tgt Ion:	252	Resp:	1455039
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	10.8	8.4	12.6





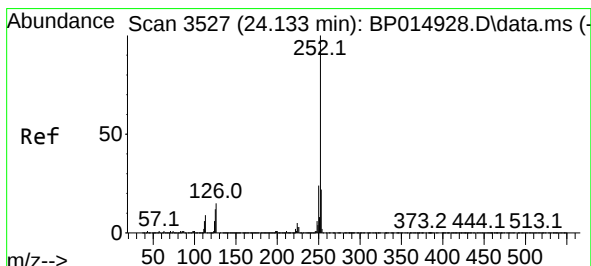
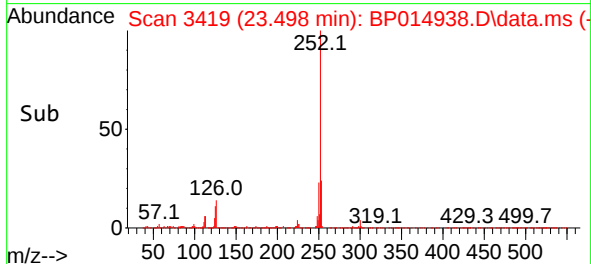
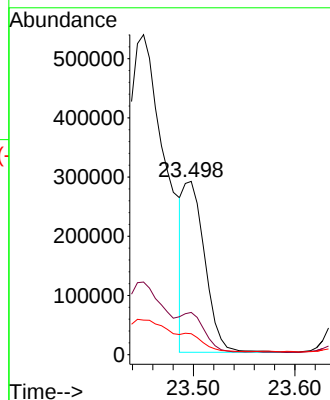
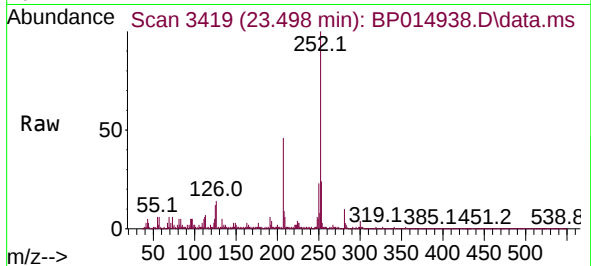
#91
Benzo(k)fluoranthene
Concen: 5.515 ng/ul m
RT: 23.498 min Scan# 3419
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44

Instrument :
BNA_P
ClientSampleId :
EW918DL

Tgt Ion:252 Resp: 428132
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 12.1 8.9 13.3

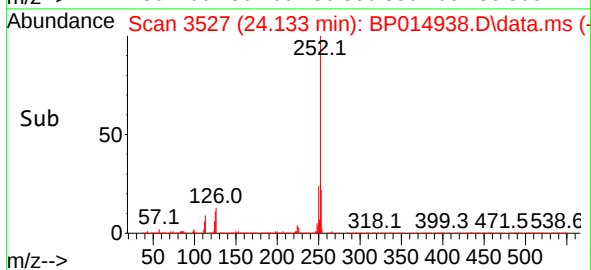
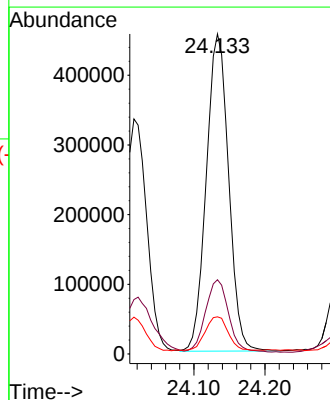
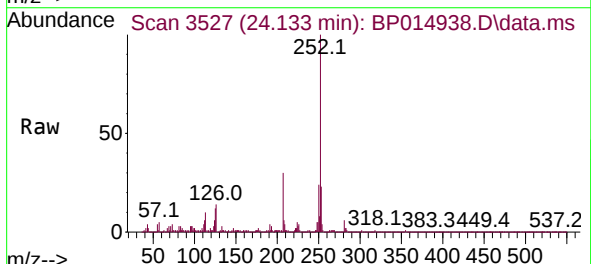
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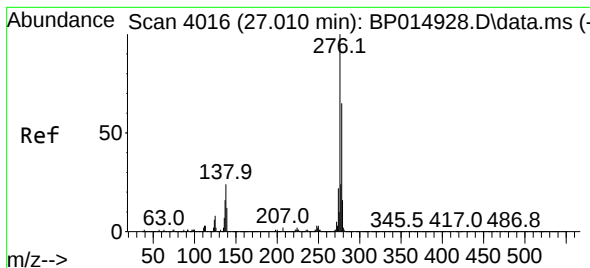
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#93
Benzo(a)pyrene
Concen: 14.860 ng/ul
RT: 24.133 min Scan# 3527
Delta R.T. -0.000 min
Lab File: BP014938.D
Acq: 03 May 2023 19:44

Tgt Ion:252 Resp: 994065
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.6 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.117 ng/ul

RT: 27.004 min Scan# 4016

Delta R.T. -0.006 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

Instrument :

BNA_P

ClientSampleId :

EW918DL

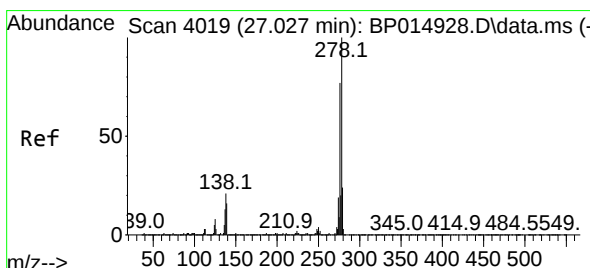
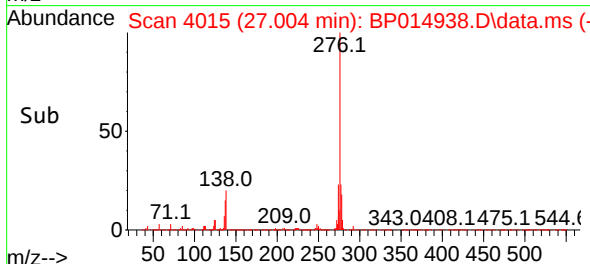
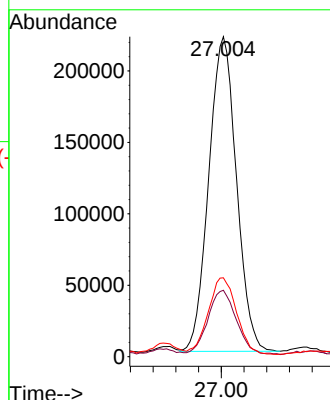
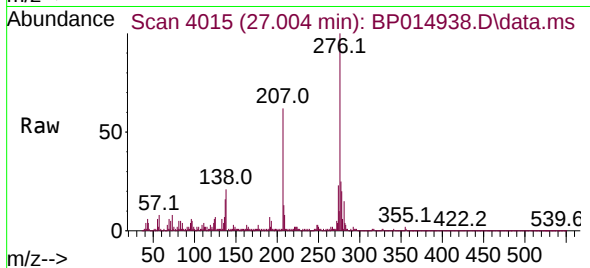
Tgt Ion:	276	Resp:	74396
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.4	29.0
277	24.6	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.813 ng/ul

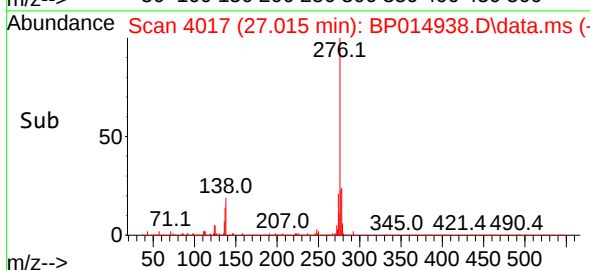
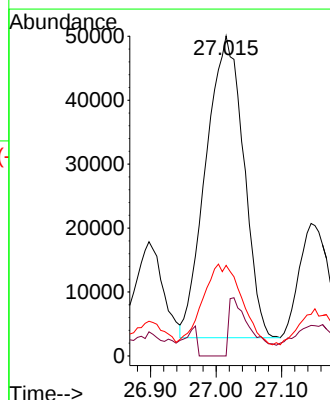
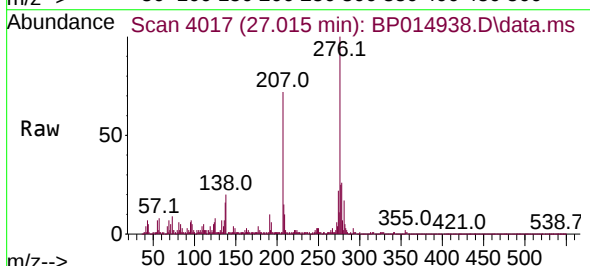
RT: 27.015 min Scan# 4017

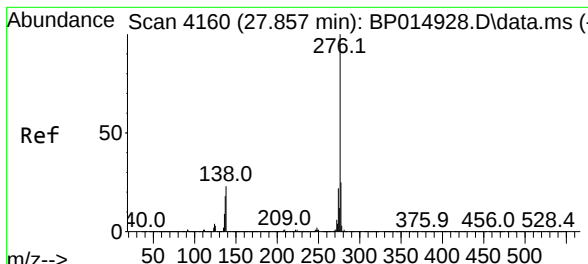
Delta R.T. -0.012 min

Lab File: BP014938.D

Acq: 03 May 2023 19:44

Tgt Ion:	278	Resp:	188130
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.9	19.3
279	28.3	19.0	28.6





#96
 Benzo(g,h,i)perylene
 Concen: 8.902 ng/ul
 RT: 27.856 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: BP014938.D
 Acq: 03 May 2023 19:44

Instrument :
 BNA_P
 ClientSampleId :
 EW918DL

Tgt Ion:	276	Resp:	61825
Ion Ratio	Lower	Upper	
276	100		
138	20.4	18.0	27.0
277	24.5	19.8	29.8

Manual Integrations
APPROVED
 Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

