

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022125.D
 Acq On : 14 Oct 2022 15:35
 Operator : CG/JU
 Sample : N5049-07
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COBL8

Manual Integrations
 APPROVED

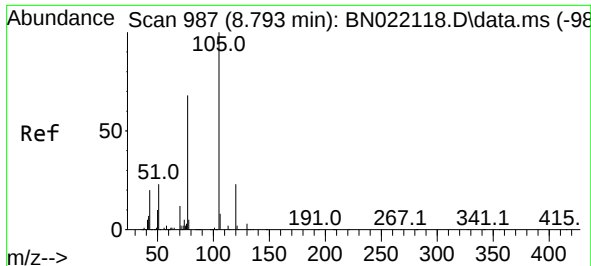
Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:26:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	143891	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	683507	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.634	164	437513	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	911200	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	872593	20.000	ng/u1	0.00
88) Perylene-d12	24.057	264	796994	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	18185	4.790	ng/uL	0.00
4) Pyridine-d5	3.699	84	107612	9.112	ng/u1	0.00
7) Phenol-d5	7.111	99	301495	21.433	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	225000	25.525	ng/u1	0.00
11) 2-Chlorophenol-d4	7.481	132	256645	26.314	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	204992	18.340	ng/u1	0.00
21) Nitrobenzene-d5	9.140	128	147226	29.375	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	158291	30.814	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.405	165	246491	25.563	ng/u1	0.00
31) 4-Chloroaniline-d4	10.928	131	318193	20.184	ng/u1	0.00
46) Dimethylphthalate-d6	14.040	166	810911	26.589	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	992448	29.141	ng/u1	0.00
54) 4-Nitrophenol-d4	14.834	143	93029	14.291	ng/u1	0.00
60) Fluorene-d10	15.622	176	736334	28.625	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	75072	14.442	ng/u1	0.00
73) Anthracene-d10	17.481	188	1129771	28.531	ng/u1	0.00
81) Pyrene-d10	19.786	212	1333209	30.688	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.898	264	1159450	29.664	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.799	105	29197m	1.635	ng/u1	
30) Naphthalene	10.840	128	242314	6.618	ng/u1	99
36) 2-Methylnaphthalene	12.451	142	182858	7.232	ng/u1	95
37) 1-Methylnaphthalene	12.675	142	146051	5.768	ng/u1	94
50) Acenaphthylene	14.351	152	88967	2.287	ng/u1#	95
56) Dibenzofuran	15.028	168	70766	1.880	ng/u1	99
72) Phenanthrene	17.428	178	261366	5.317	ng/u1	97
74) Anthracene	17.516	178	69277	1.419	ng/u1	98
80) Fluoranthene	19.451	202	357076	6.548	ng/u1	99
82) Pyrene	19.816	202	430541	7.546	ng/u1	98
85) Benzo(a)anthracene	21.569	228	258078	4.629	ng/u1#	92
87) Chrysene	21.622	228	326048	6.085	ng/u1	100
90) Benzo(b)fluoranthene	23.298	252	480673	9.562	ng/u1	99
91) Benzo(k)fluoranthene	23.345	252	130639m	2.631	ng/u1	
93) Benzo(a)pyrene	23.945	252	245398	5.462	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.639	276	191302	3.407	ng/u1	94
95) Dibenzo(a,h)anthracene	26.651	278	50901	1.013	ng/u1#	73
96) Benzo(g,h,i)perylene	27.445	276	156019	3.088	ng/u1	98

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



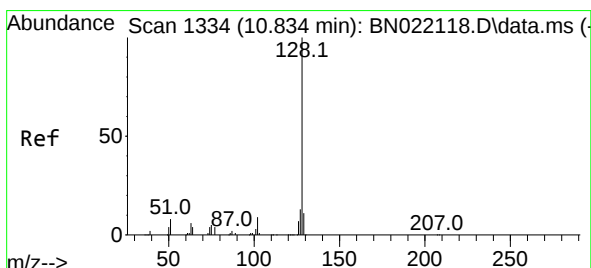
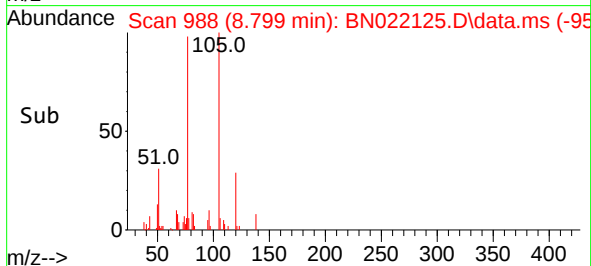
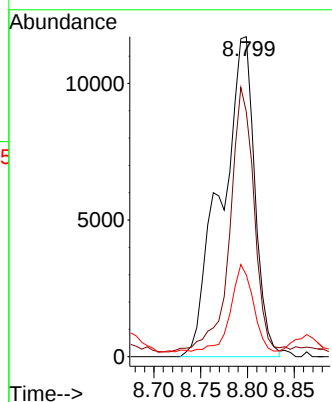
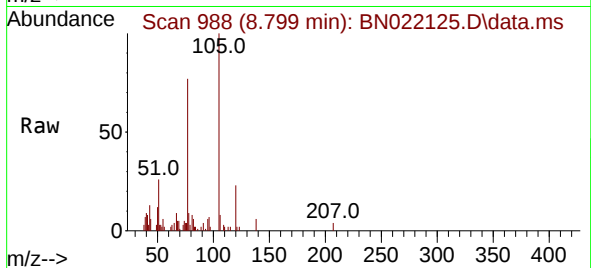
#16
Acetophenone
Concen: 1.635 ng/ul m
RT: 8.799 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

Instrument :
BNA_N
ClientSampleId :
COBL8

Tgt Ion:	105	Resp:	2919
Ion Ratio	Lower	Upper	
105	100		
77	76.6	64.9	97.3
51	25.5	21.8	32.6

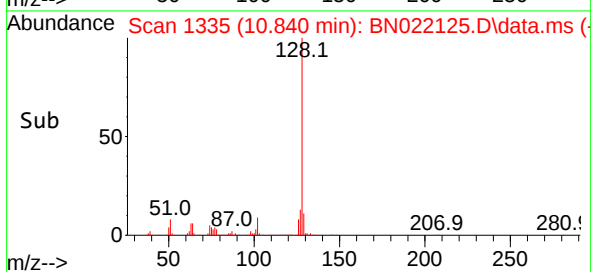
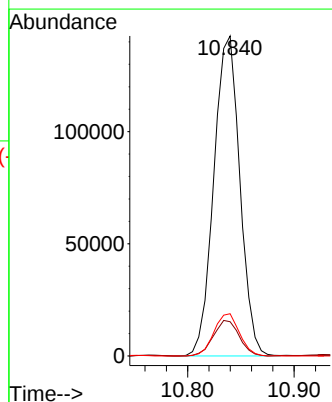
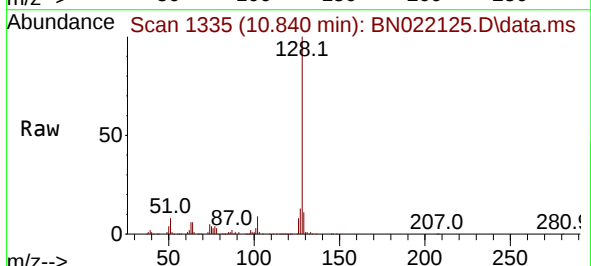
Manual Integrations
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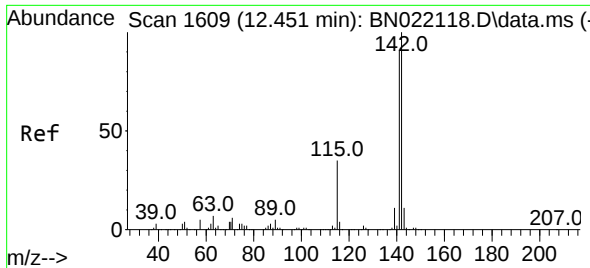
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#30
Naphthalene
Concen: 6.618 ng/ul
RT: 10.840 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

Tgt Ion:	128	Resp:	242314
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.5	12.7
127	13.2	10.8	16.2





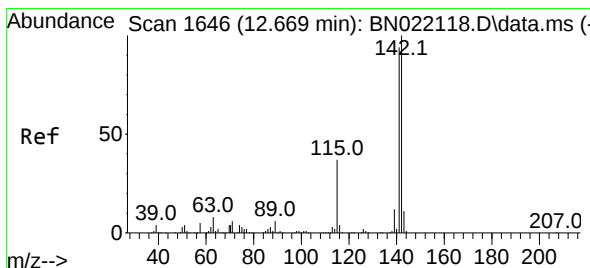
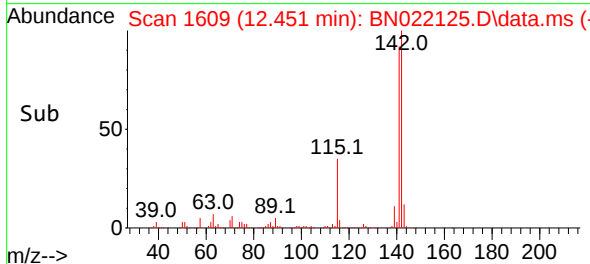
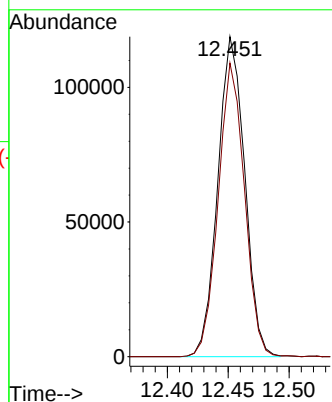
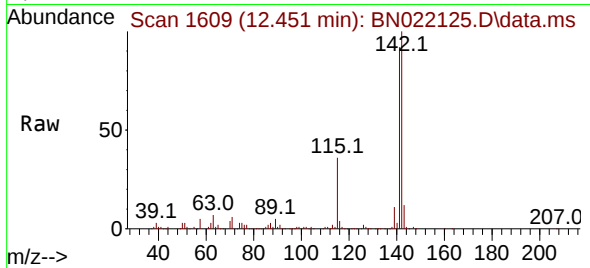
#36
2-Methylnaphthalene
Concen: 7.232 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

Instrument :
BNA_N
ClientSampleId :
COBL8

Tgt Ion:142 Resp: 18285
Ion Ratio Lower Upper
142 100
141 91.7 69.7 104.5

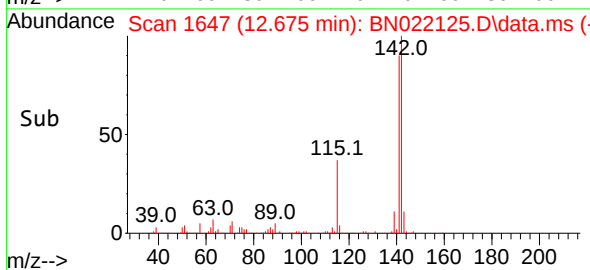
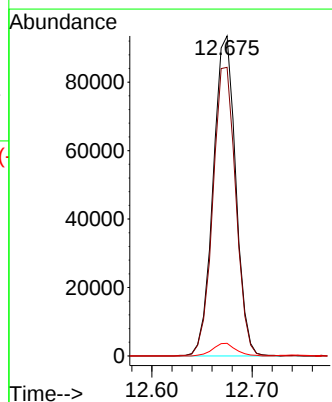
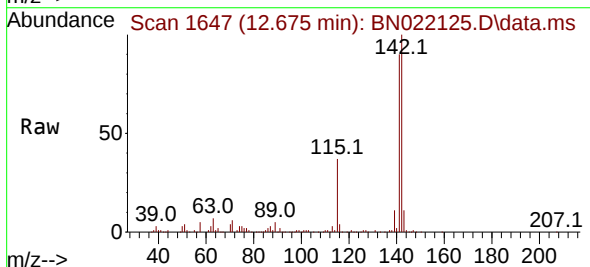
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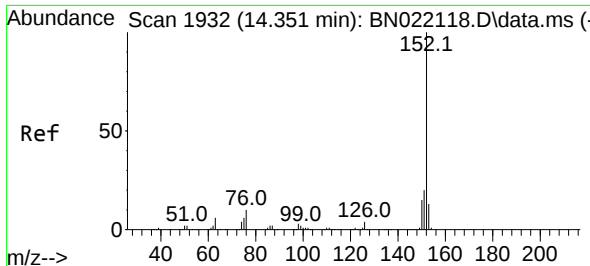
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#37
1-Methylnaphthalene
Concen: 5.768 ng/ul
RT: 12.675 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

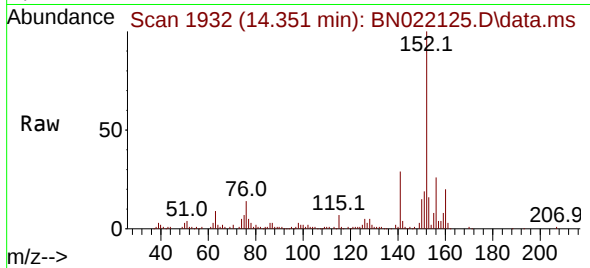
Tgt Ion:142 Resp: 146051
Ion Ratio Lower Upper
142 100
141 90.2 76.7 115.1
116 3.9 3.1 4.7





#50
Acenaphthylene
Concen: 2.287 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

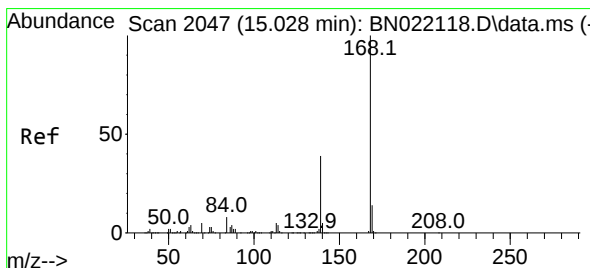
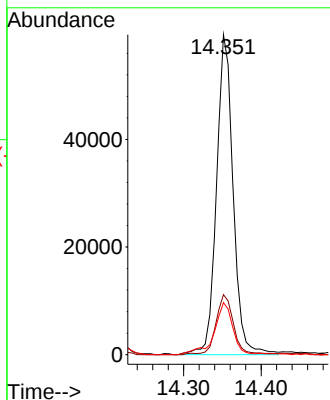
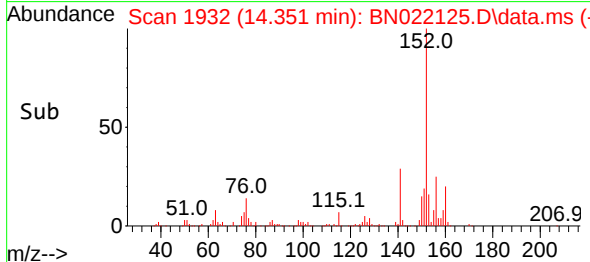
Instrument :
BNA_N
ClientSampleId :
COBL8



Tgt Ion:152 Resp: 8896
Ion Ratio Lower Upper
152 100
151 18.7 15.5 23.3
153 16.2 9.8 14.8

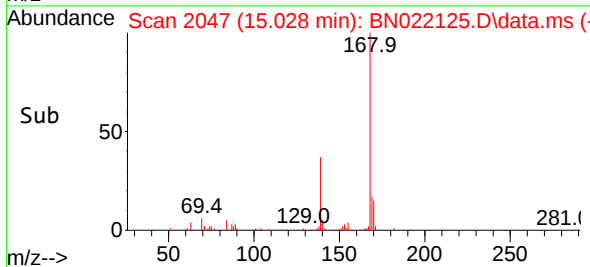
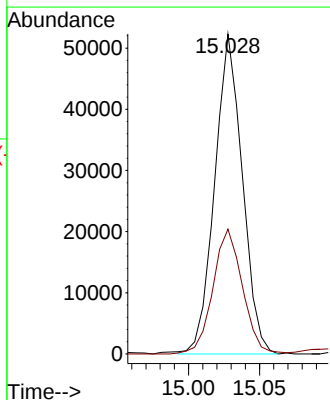
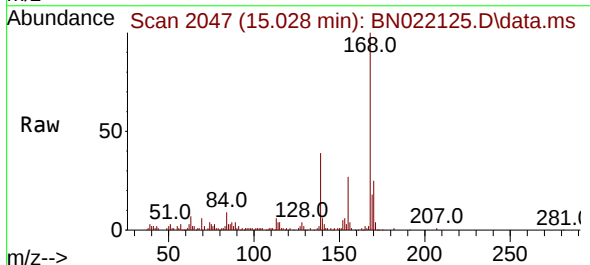
Manual Integrations
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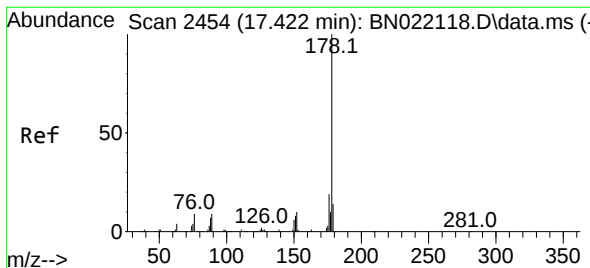
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#56
Dibenzofuran
Concen: 1.880 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

Tgt Ion:168 Resp: 70766
Ion Ratio Lower Upper
168 100
139 39.0 30.6 45.8





#72

Phenanthrene

Concen: 5.317 ng/ul

RT: 17.428 min Scan# 2454

Delta R.T. -0.006 min

Lab File: BN022125.D

Acq: 14 Oct 2022 15:35

Instrument :

BNA_N

ClientSampleId :

COBL8

Tgt Ion:178 Resp: 26136

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

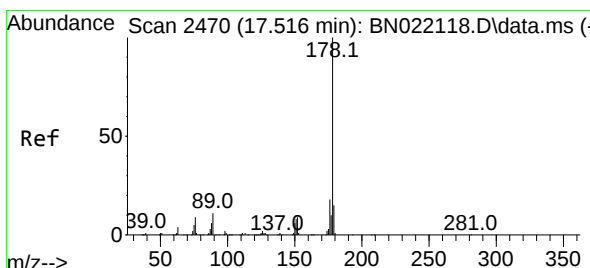
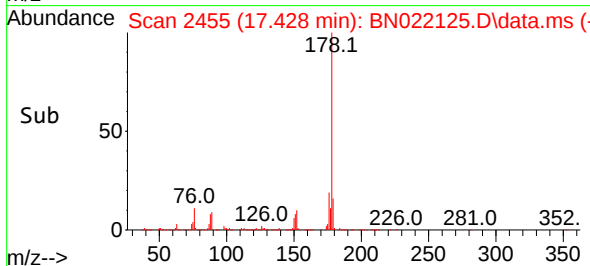
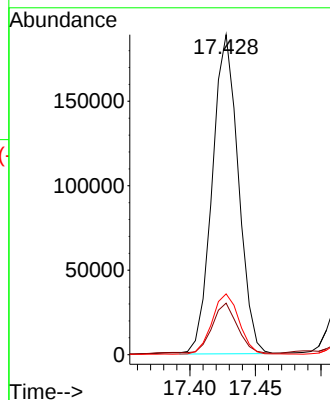
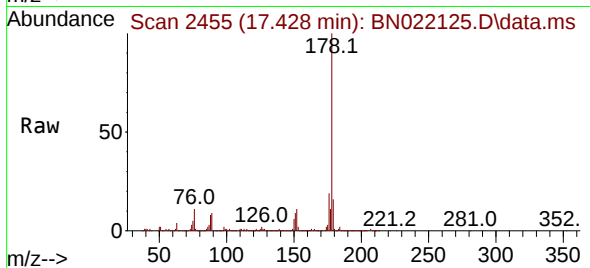
176 19.0 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022



#74

Anthracene

Concen: 1.419 ng/ul

RT: 17.516 min Scan# 2470

Delta R.T. -0.006 min

Lab File: BN022125.D

Acq: 14 Oct 2022 15:35

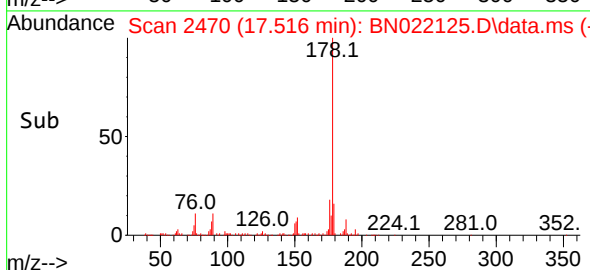
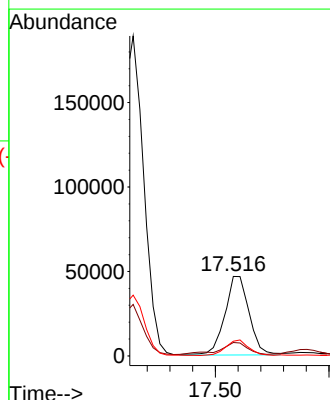
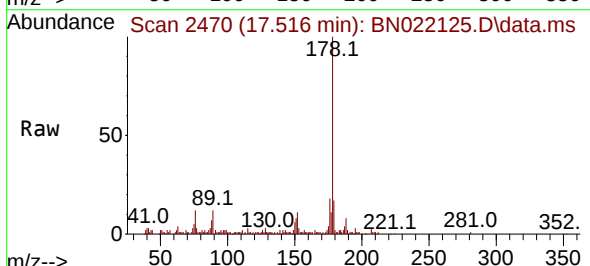
Tgt Ion:178 Resp: 69277

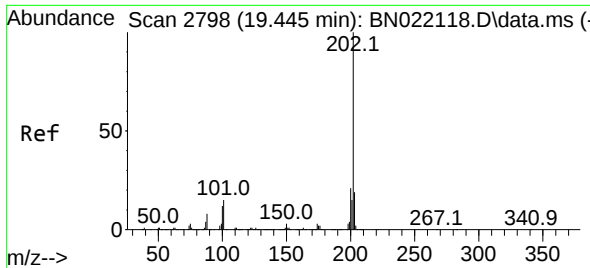
Ion Ratio Lower Upper

178 100

179 16.8 13.0 19.6

176 18.5 15.8 23.6





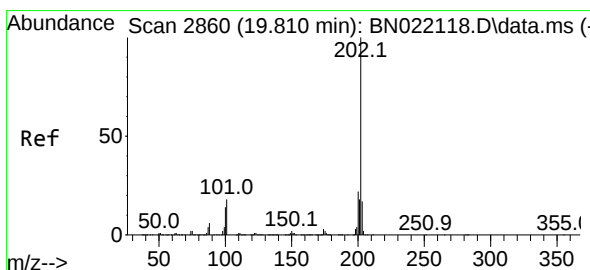
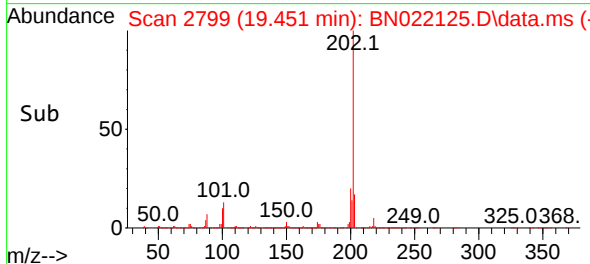
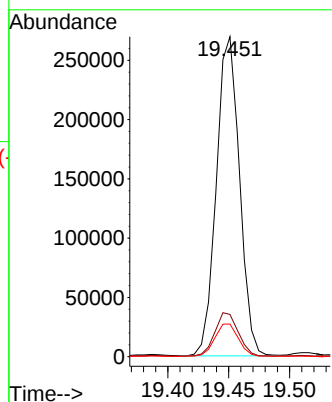
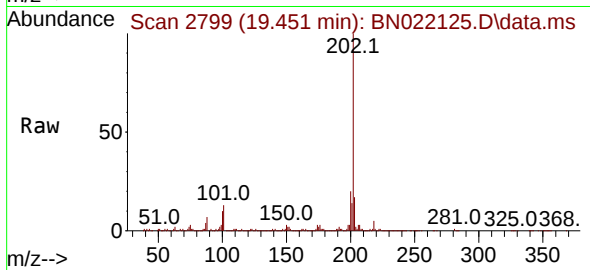
#80
Fluoranthene
Concen: 6.548 ng/u1
RT: 19.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

Instrument :
BNA_N
ClientSampleId :
COBL8

Tgt Ion:202 Resp: 357070
Ion Ratio Lower Upper
202 100
101 13.2 10.3 15.5
100 10.2 7.8 11.8

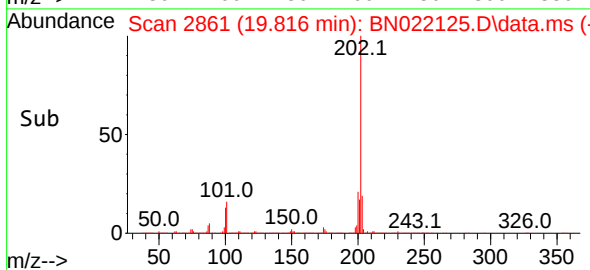
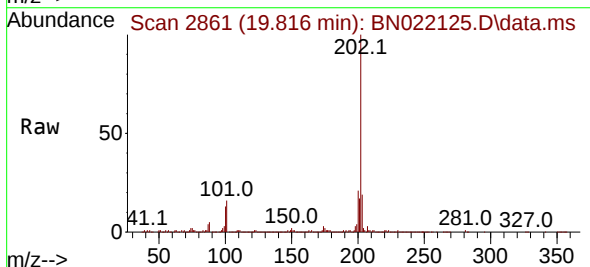
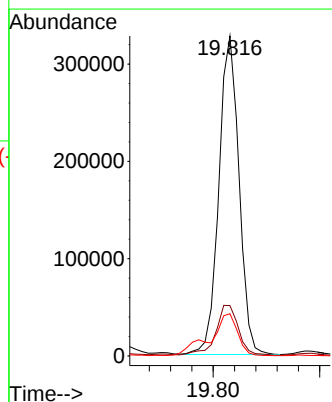
Manual Integrations
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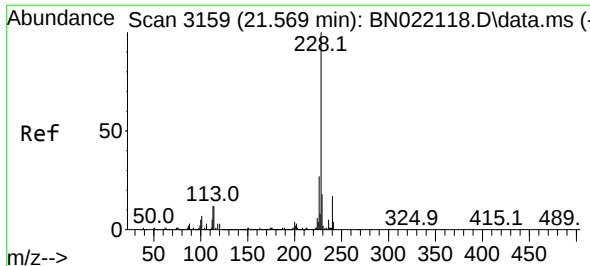
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#82
Pyrene
Concen: 7.546 ng/u1
RT: 19.816 min Scan# 2861
Delta R.T. 0.000 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

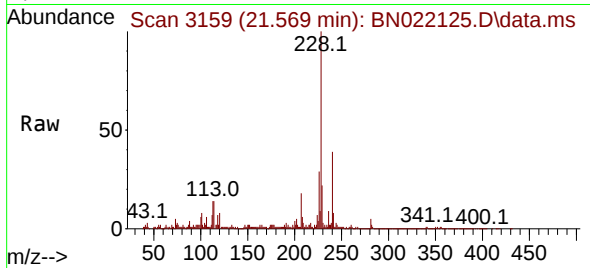
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Ion Ratio Lower Upper
202 100
101 15.8 13.4 20.0
100 13.2 10.9 16.3





#85
Benzo(a)anthracene
Concen: 4.629 ng/u1
RT: 21.569 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

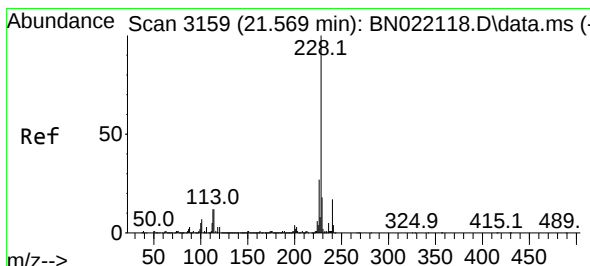
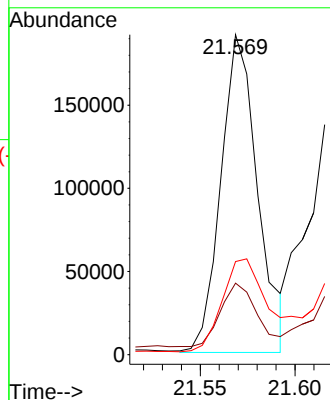
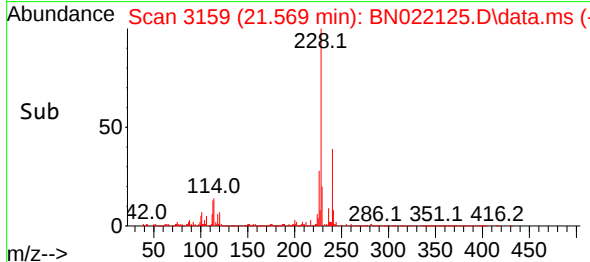
Instrument :
BNA_N
ClientSampleId :
COBL8



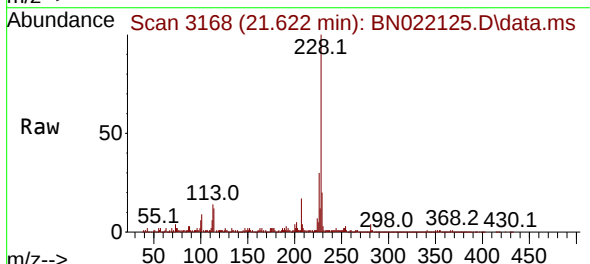
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Ion Ratio Lower Upper
228 100
229 22.3 13.5 20.3
226 29.1 21.0 31.6

Manual Integrations
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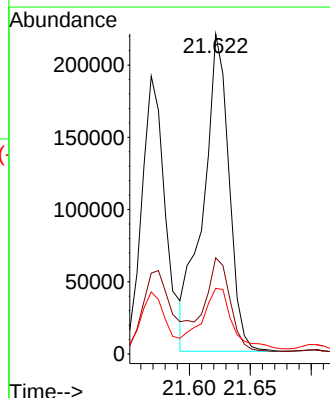
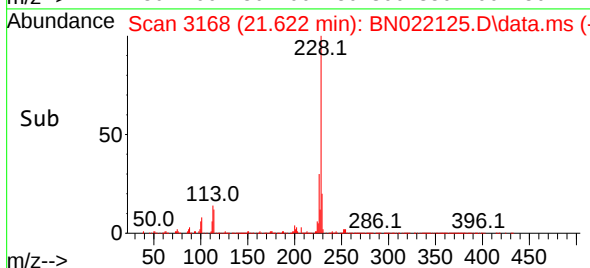
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

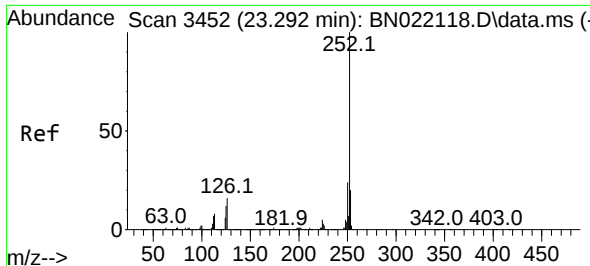


#87
Chrysene
Concen: 6.085 ng/u1
RT: 21.622 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35



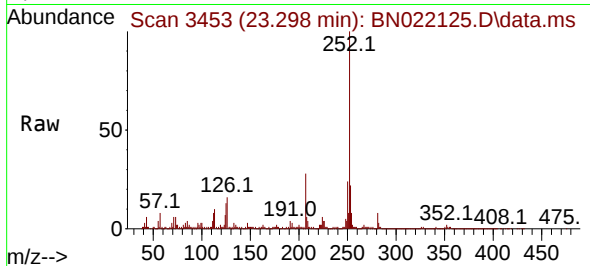
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Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.8
229 20.5 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 9.562 ng/ul
RT: 23.298 min Scan# 3452
Delta R.T. 0.000 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

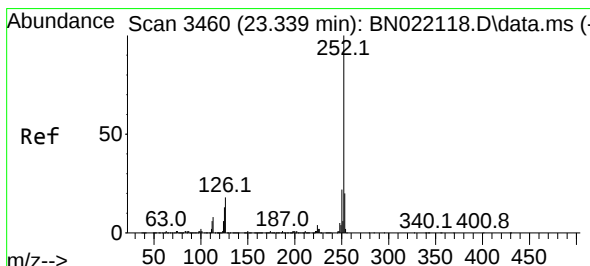
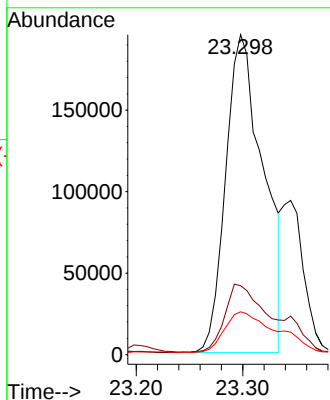
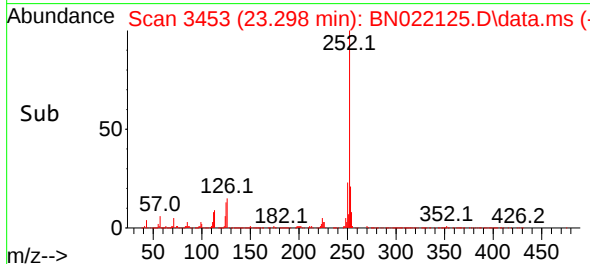
Instrument :
BNA_N
ClientSampleId :
COBL8



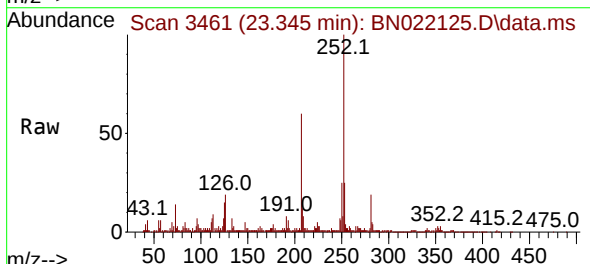
Tgt Ion:252 Resp: 48067
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 13.4 10.7 16.1

Manual Integrations
APPROVED

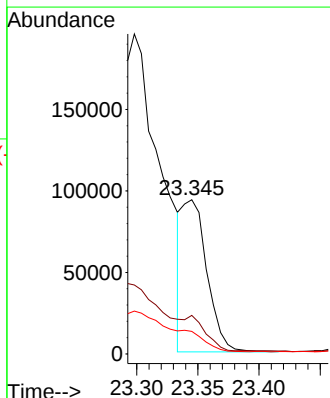
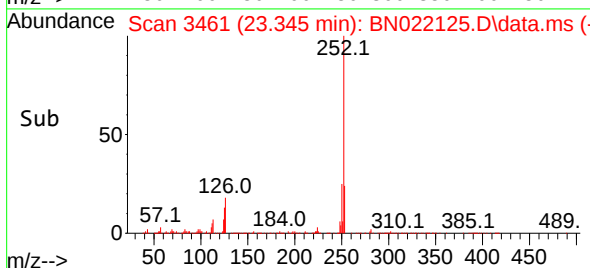
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

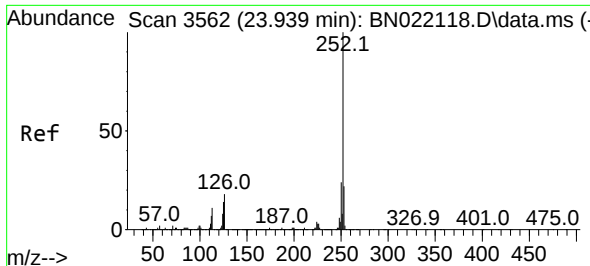


#91
Benzo(k)fluoranthene
Concen: 2.631 ng/ul m
RT: 23.345 min Scan# 3461
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35



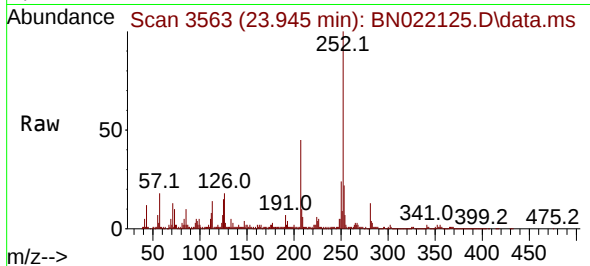
Tgt Ion:252 Resp: 130639
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 14.6 10.6 15.8





#93
Benzo(a)pyrene
Concen: 5.462 ng/ul
RT: 23.945 min Scan# 3563
Delta R.T. -0.006 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

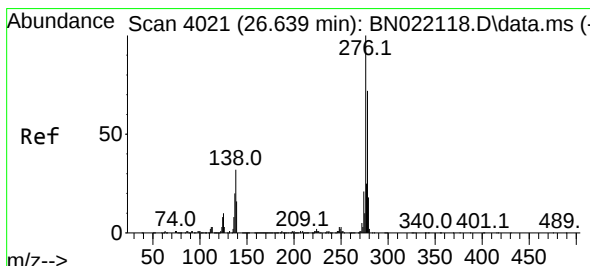
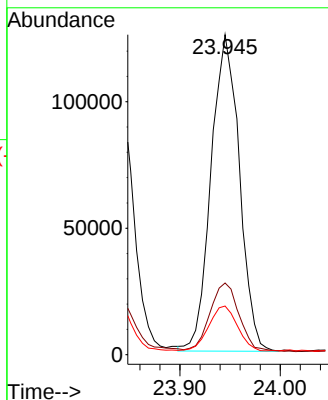
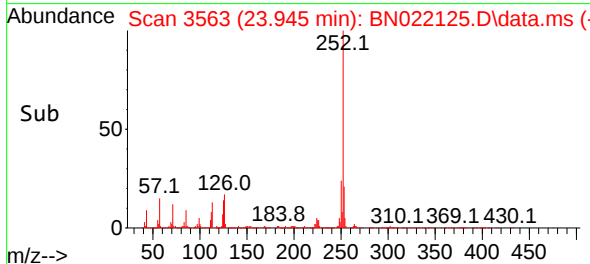
Instrument :
BNA_N
ClientSampleId :
COBL8



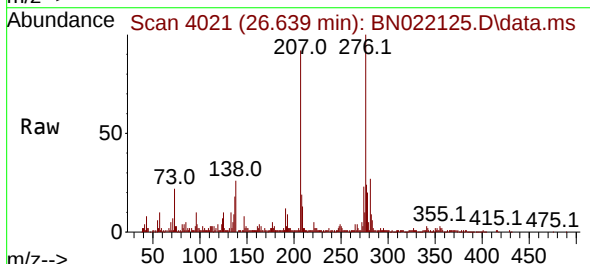
Tgt Ion:252 Resp: 245398
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 15.2 10.8 16.2

Manual Integrations
APPROVED

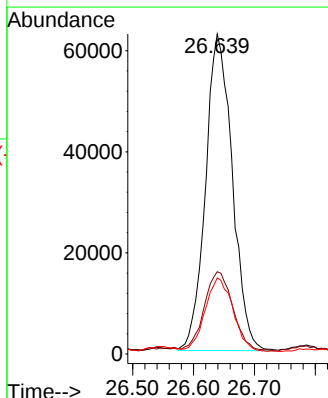
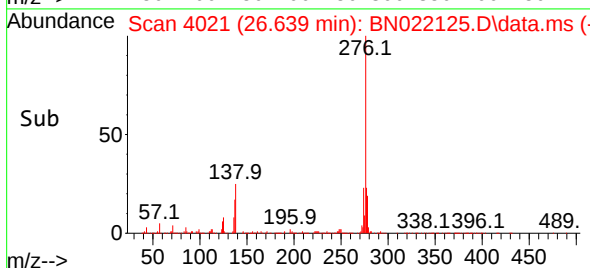
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

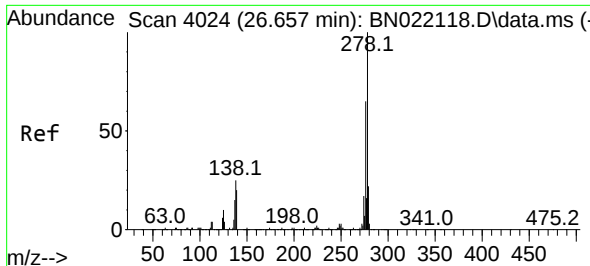


#94
Indeno(1,2,3-cd)pyrene
Concen: 3.407 ng/ul
RT: 26.639 min Scan# 4021
Delta R.T. -0.023 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35



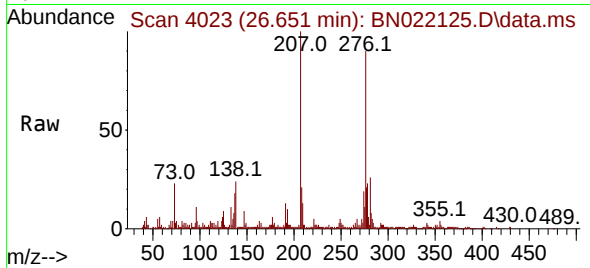
Tgt Ion:276 Resp: 191302
Ion Ratio Lower Upper
276 100
138 25.7 24.6 36.8
277 23.7 18.4 27.6





#95
Dibenzo(a,h)anthracene
Concen: 1.013 ng/ul
RT: 26.651 min Scan# 4023
Delta R.T. -0.023 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35

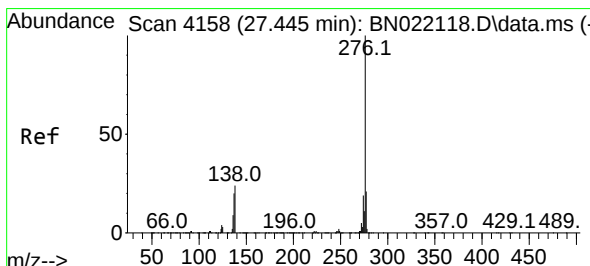
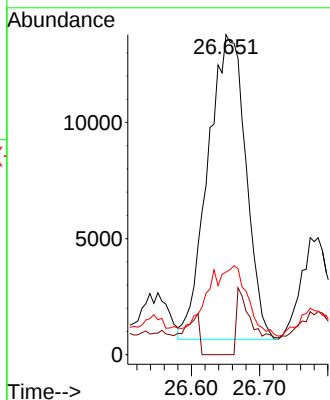
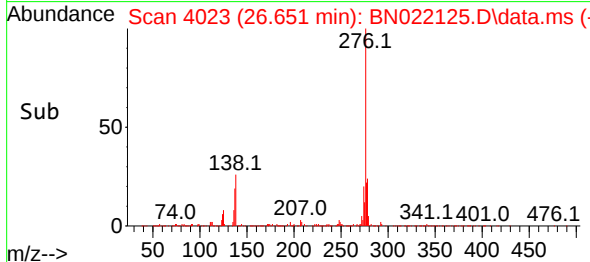
Instrument :
BNA_N
ClientSampleId :
COBL8



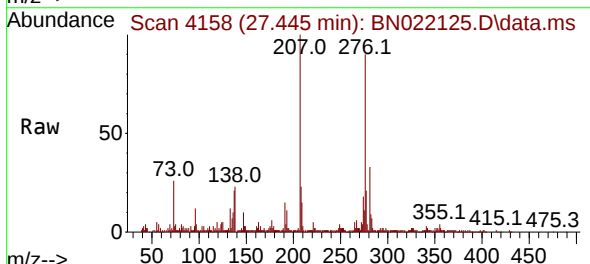
Tgt Ion:278 Resp: 5090
Ion Ratio Lower Upper
278 100
139 0.0 15.7 23.5
279 25.8 16.5 24.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#96
Benzo(g,h,i)perylene
Concen: 3.088 ng/ul
RT: 27.445 min Scan# 4158
Delta R.T. -0.012 min
Lab File: BN022125.D
Acq: 14 Oct 2022 15:35



Tgt Ion:276 Resp: 156019
Ion Ratio Lower Upper
276 100
138 26.1 21.2 31.8
277 24.0 17.9 26.9

