

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031216.D
 Acq On : 25 Apr 2024 10:04
 Operator : MA/JU
 Sample : P2104-03DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 26 02:32:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	250122	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1073217	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	679514	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.033	188	1439364	20.000	ng/u1	0.00
79) Chrysene-d12	21.274	240	1203228	20.000	ng/u1	0.00
88) Perylene-d12	24.174	264	1294750	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	1077	0.201	ng/uL	0.00
4) Pyridine-d5	3.581	84	10437m	0.677	ng/u1	0.03
7) Phenol-d5	6.810	99	26046	1.234	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	16117	1.313	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	22790	1.387	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	21990	1.239	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	10779	1.398	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	9899	1.235	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	21166	1.339	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	20822	0.843	ng/u1	0.00
46) Dimethylphthalate-d6	13.692	166	69169	1.463	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	79567	1.485	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	6134m	0.622	ng/u1	0.03
60) Fluorene-d10	15.275	176	63884	1.552	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.128	188	107564	1.724	ng/u1	0.00
81) Pyrene-d10	19.433	212	129255	2.186	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	105718	1.722	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.345	153	45811	1.104	ng/u1	95
56) Dibenzofuran	14.681	168	66102	1.152	ng/u1	98
61) Fluorene	15.334	166	74559	1.579	ng/u1	96
72) Phenanthrene	17.075	178	1698562	22.311	ng/u1	98
74) Anthracene	17.163	178	183523	2.382	ng/u1	98
77) Carbazole	17.439	167	188058	2.672	ng/u1	98
80) Fluoranthene	19.104	202	2847384	40.690	ng/u1	99
82) Pyrene	19.469	202	2263103	30.780	ng/u1	98
85) Benzo(a)anthracene	21.251	228	987030	12.080	ng/u1	97
87) Chrysene	21.310	228	1171014	15.099	ng/u1	98
90) Benzo(b)fluoranthene	23.263	252	1513879	20.781	ng/u1	97
91) Benzo(k)fluoranthene	23.315	252	436622	5.959	ng/u1	95
93) Benzo(a)pyrene	24.039	252	928836	12.781	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.427	276	695433	7.711	ng/u1	99
95) Dibenzo(a,h)anthracene	27.480	278	179355m	2.423	ng/u1	
96) Benzo(g,h,i)perylene	28.456	276	543181	7.479	ng/u1	100

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

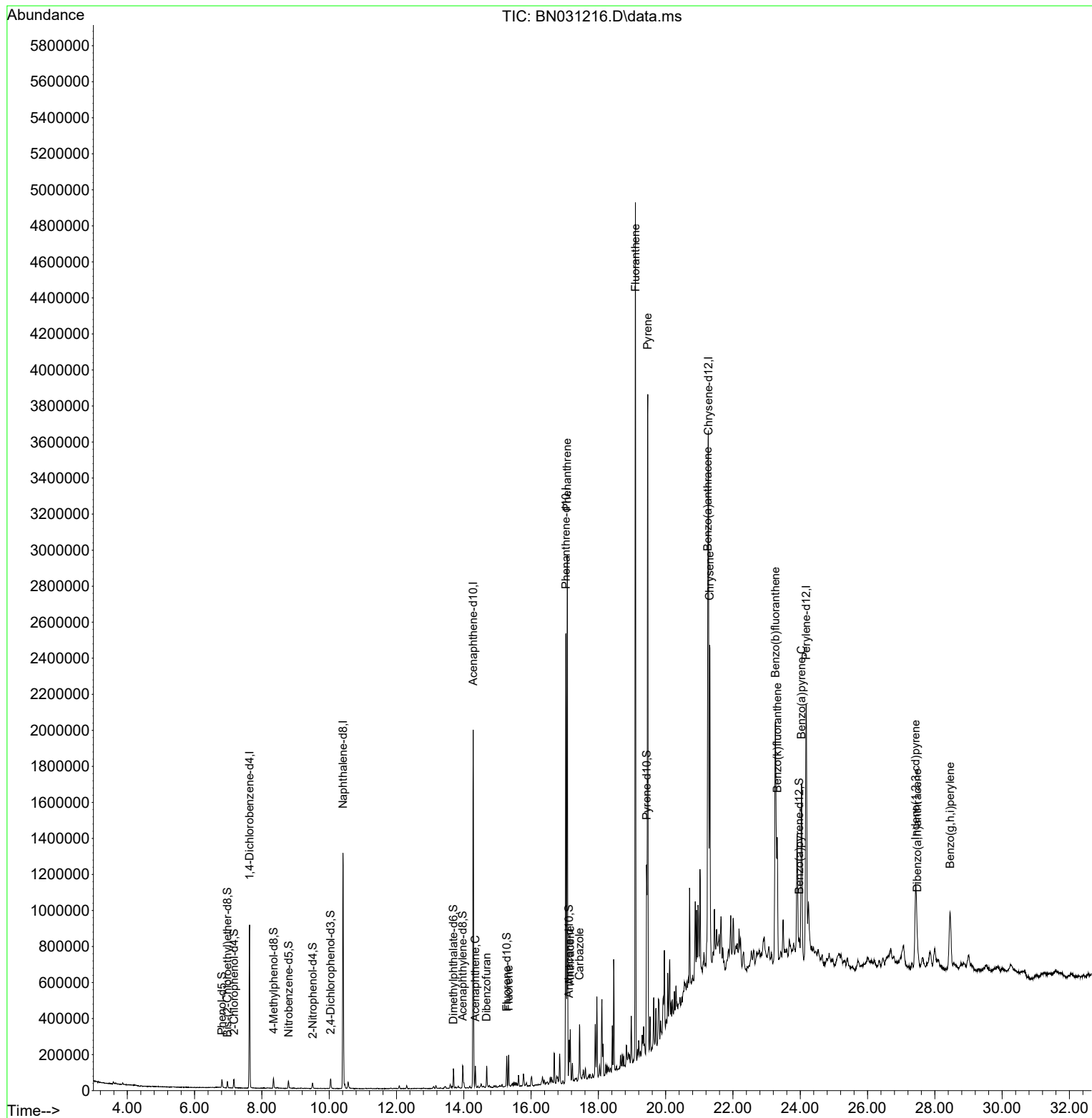
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031216.D
 Acq On : 25 Apr 2024 10:04
 Operator : MA/JU
 Sample : P2104-03DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

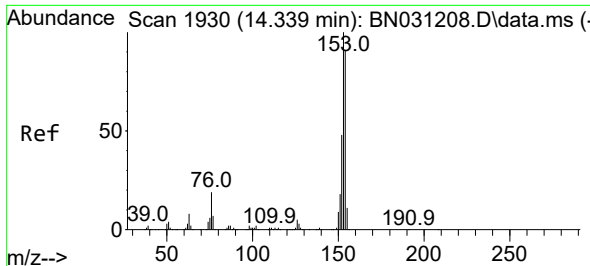
Instrument :
 BNA_N
 ClientSampleId :
 C0AA5DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

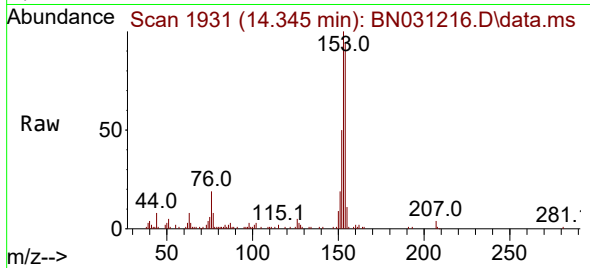
Quant Time: Apr 26 02:32:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration





#52
Acenaphthene
Concen: 1.104 ng/ul
RT: 14.345 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

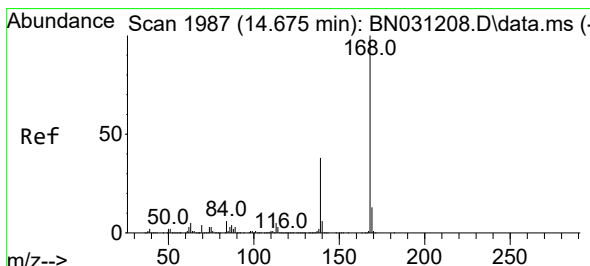
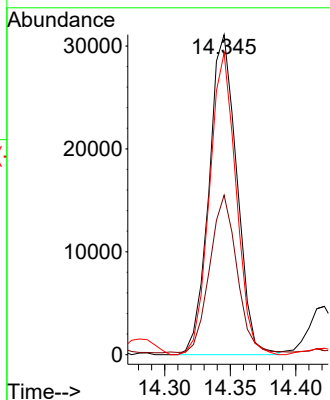
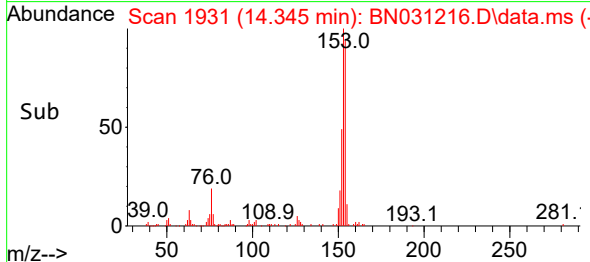
Instrument :
BNA_N
ClientSampleId :
C0AA5DL



Tgt Ion:153 Resp: 4581
Ion Ratio Lower Upper
153 100
152 49.9 36.3 54.5
154 94.3 72.4 108.6

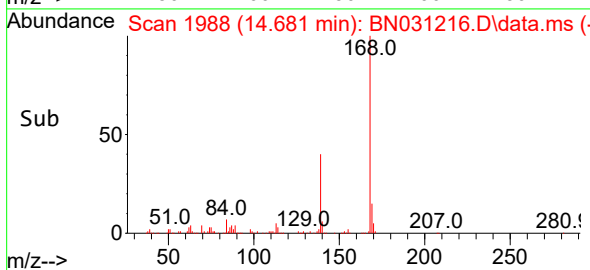
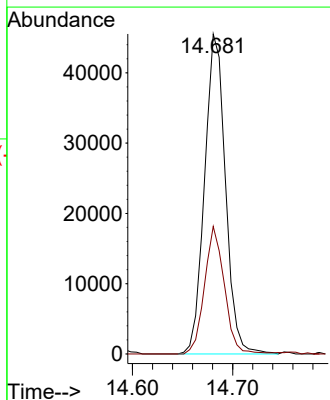
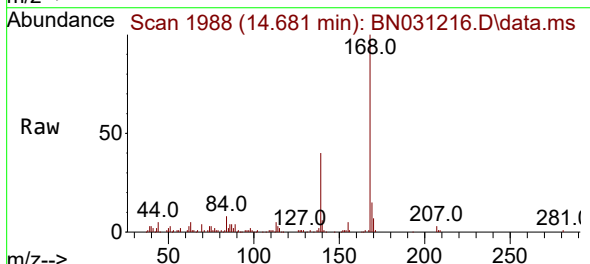
Manual Integrations
APPROVED

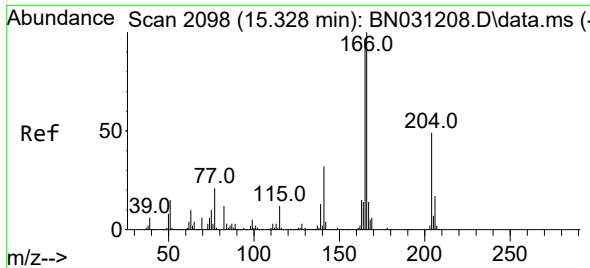
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#56
Dibenzofuran
Concen: 1.152 ng/ul
RT: 14.681 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

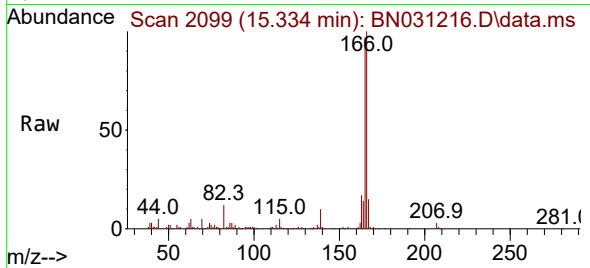
Tgt Ion:168 Resp: 66102
Ion Ratio Lower Upper
168 100
139 39.8 31.0 46.6





#61
Fluorene
Concen: 1.579 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

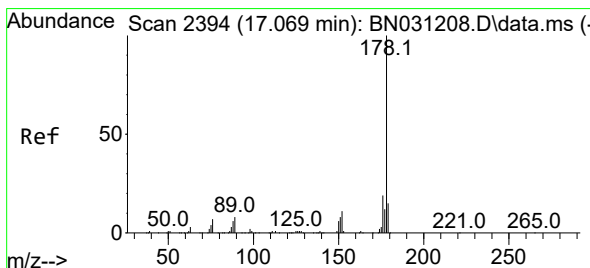
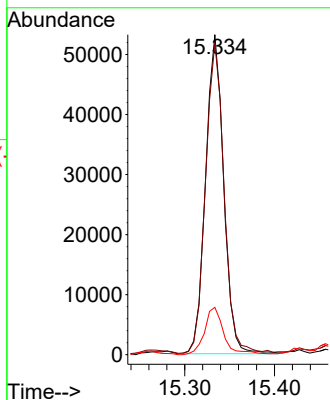
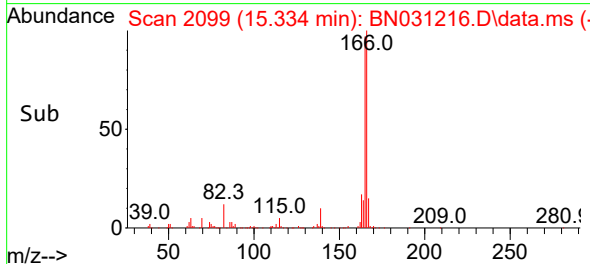
Instrument :
BNA_N
ClientSampleId :
C0AA5DL



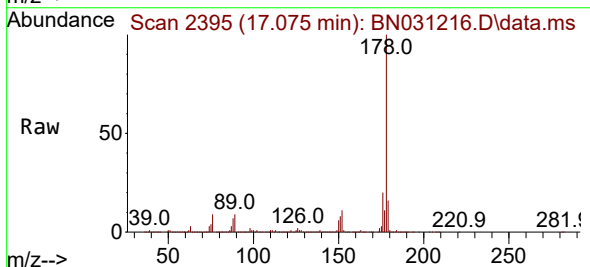
Tgt Ion:166 Resp: 74559
Ion Ratio Lower Upper
166 100
165 97.3 74.6 112.0
167 14.8 10.6 16.0

Manual Integrations
APPROVED

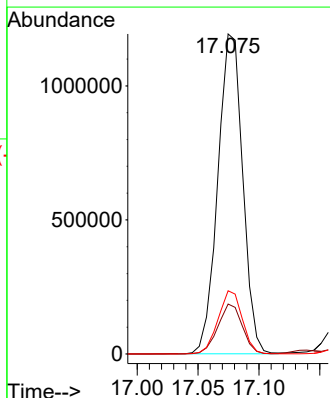
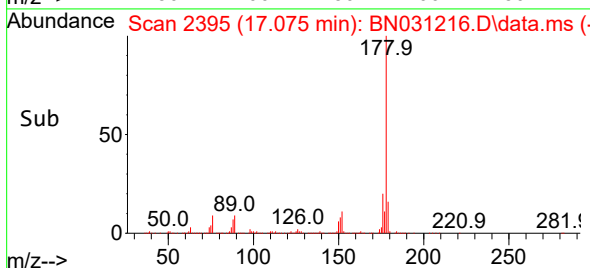
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

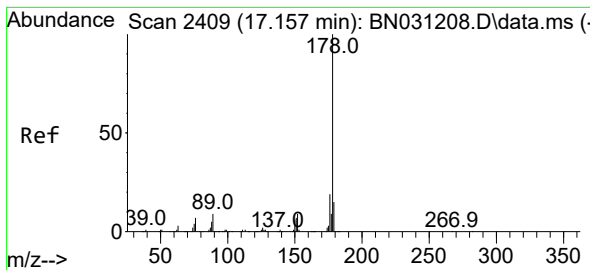


#72
Phenanthrene
Concen: 22.311 ng/ul
RT: 17.075 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04



Tgt Ion:178 Resp: 1698562
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.8 14.6 21.8





#74

Anthracene

Concen: 2.382 ng/ul

RT: 17.163 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

Instrument :

BNA_N

ClientSampleId :

C0AA5DL

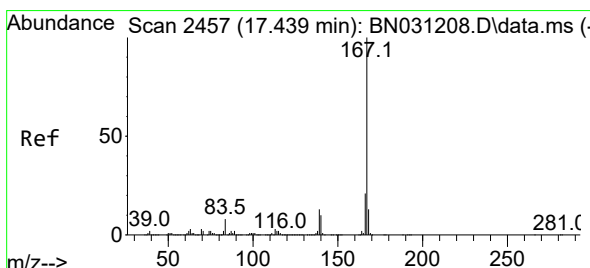
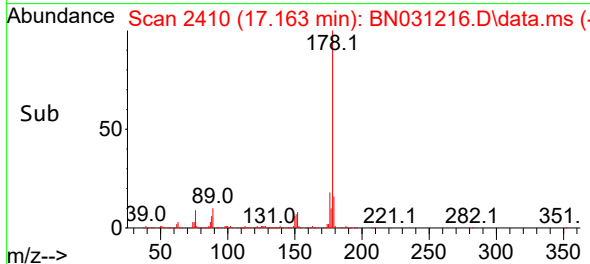
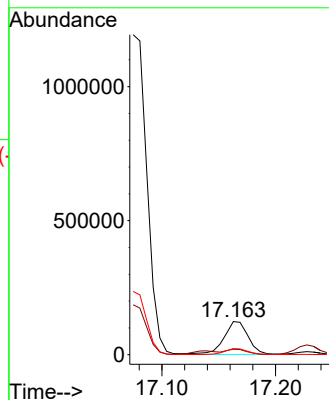
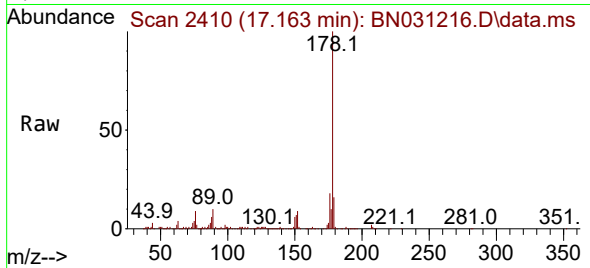
Tgt Ion:178 Resp: 18352
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.2 18.4
 176 18.4 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#77

Carbazole

Concen: 2.672 ng/ul

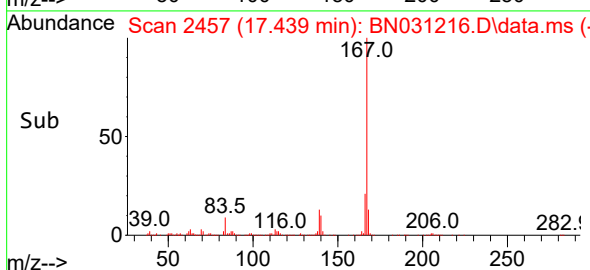
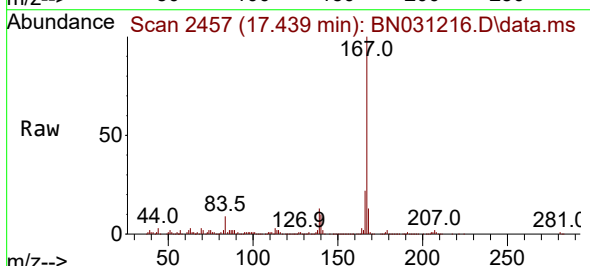
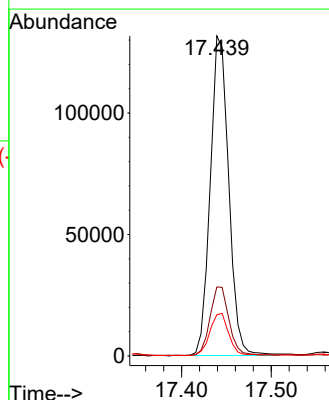
RT: 17.439 min Scan# 2457

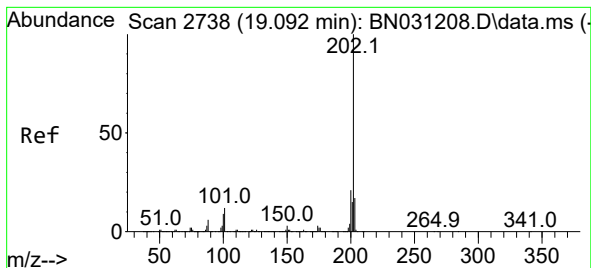
Delta R.T. -0.000 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

Tgt Ion:167 Resp: 188058
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.2 24.2
 139 12.9 10.6 15.8





#80

Fluoranthene

Concen: 40.690 ng/uI

RT: 19.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

Instrument :

BNA_N

ClientSampleId :

C0AA5DL

Tgt Ion:202 Resp: 2847384

Ion Ratio Lower Upper

202 100

101 11.0 9.0 13.6

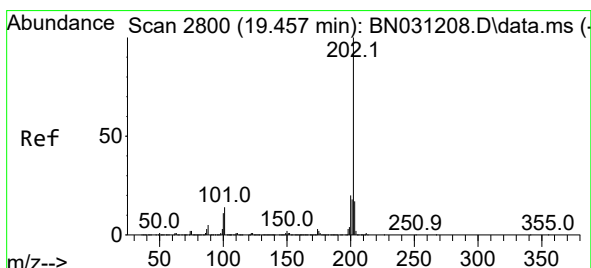
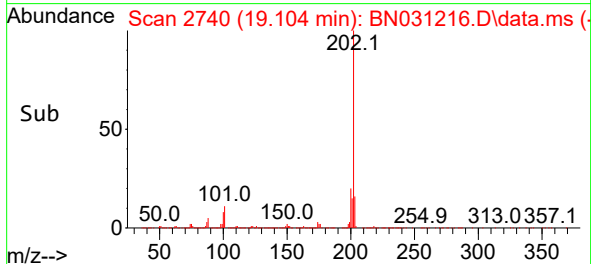
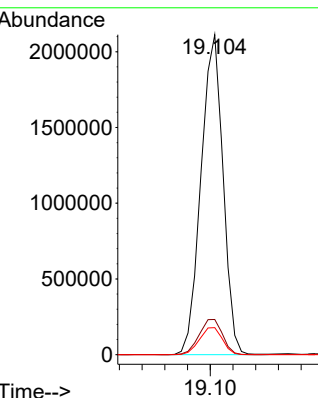
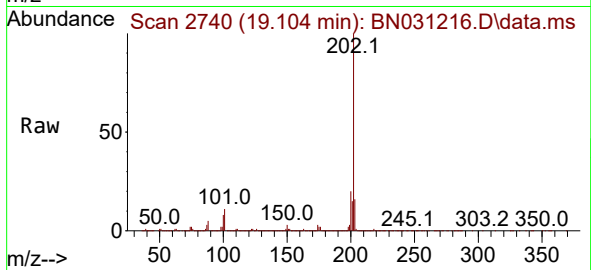
100 8.5 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#82

Pyrene

Concen: 30.780 ng/uI

RT: 19.469 min Scan# 2802

Delta R.T. 0.006 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

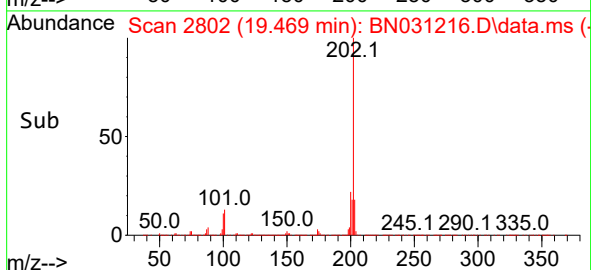
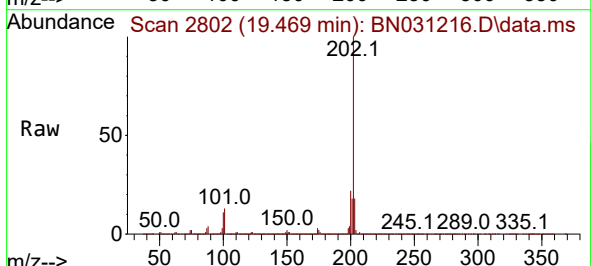
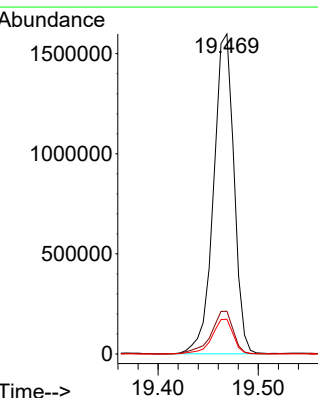
Tgt Ion:202 Resp: 2263103

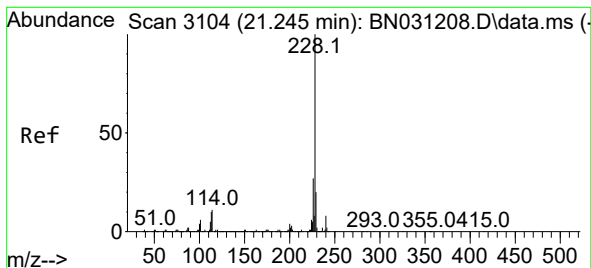
Ion Ratio Lower Upper

202 100

101 13.4 11.1 16.7

100 10.8 9.3 13.9





#85

Benzo(a)anthracene

Concen: 12.080 ng/ul

RT: 21.251 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

Instrument :

BNA_N

ClientSampleId :

C0AA5DL

Tgt Ion:228 Resp: 987030

Ion Ratio Lower Upper

228 100

229 19.2 16.7 25.1

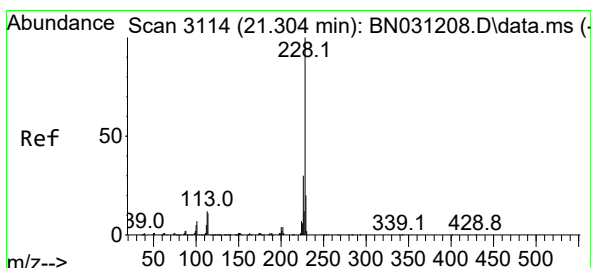
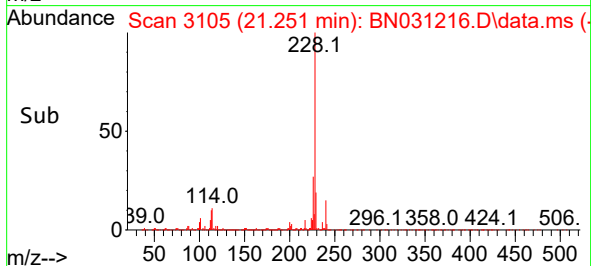
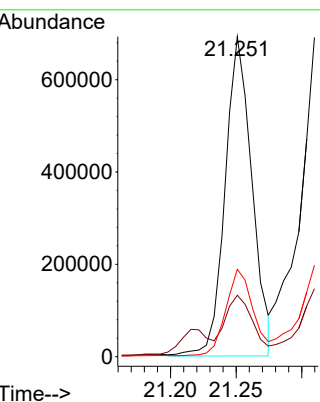
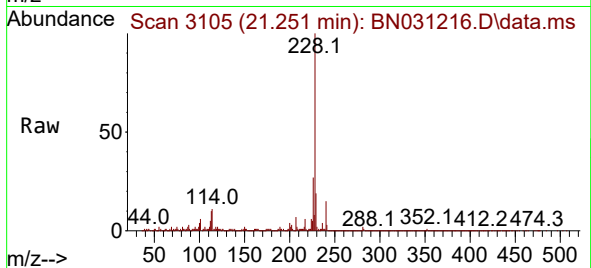
226 27.3 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#87

Chrysene

Concen: 15.099 ng/ul

RT: 21.310 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

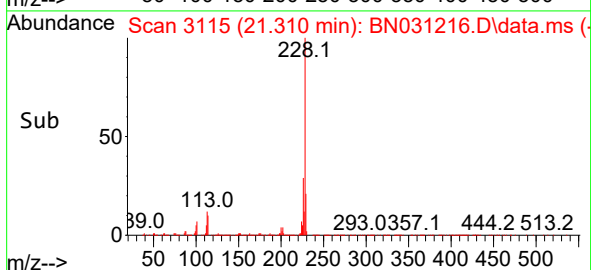
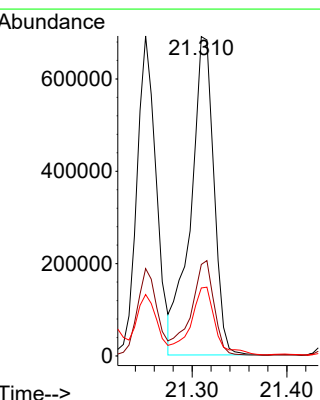
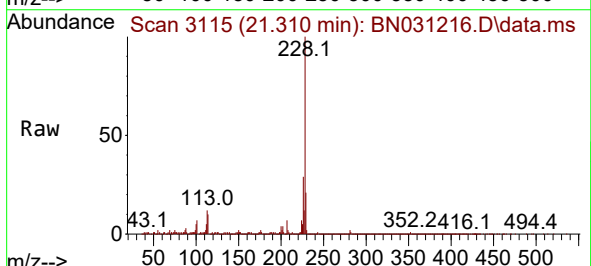
Tgt Ion:228 Resp: 1171014

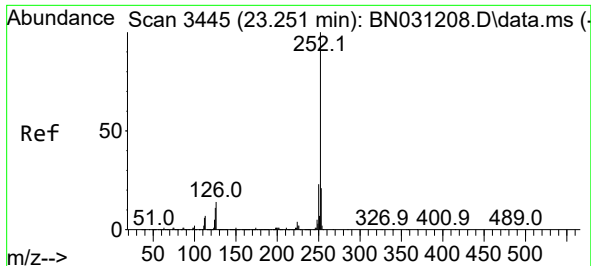
Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

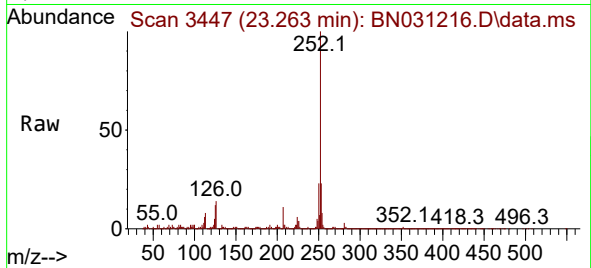
229 21.3 15.8 23.8





#90
Benzo(b)fluoranthene
Concen: 20.781 ng/ul
RT: 23.263 min Scan# 3445
Delta R.T. 0.006 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

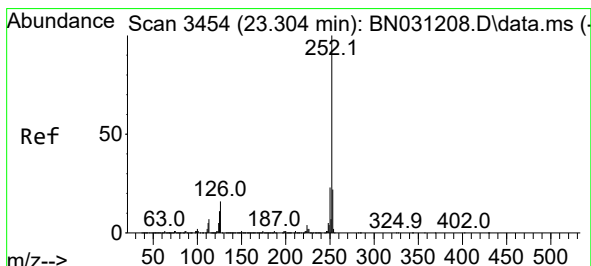
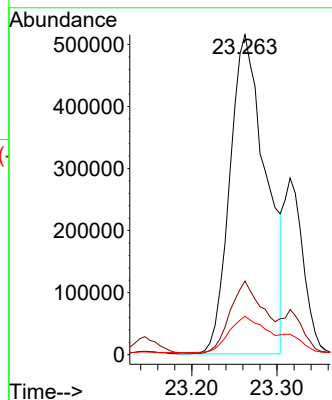
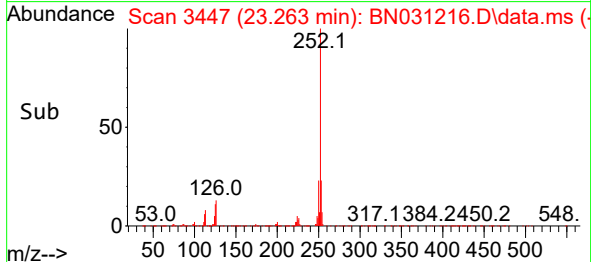
Instrument :
BNA_N
ClientSampleId :
C0AA5DL



Tgt Ion:252 Resp: 1513879
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.0 8.6 12.8

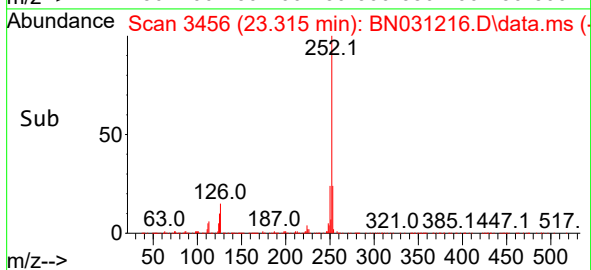
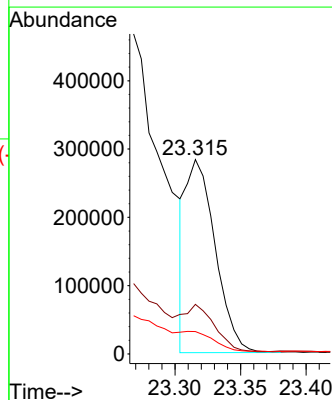
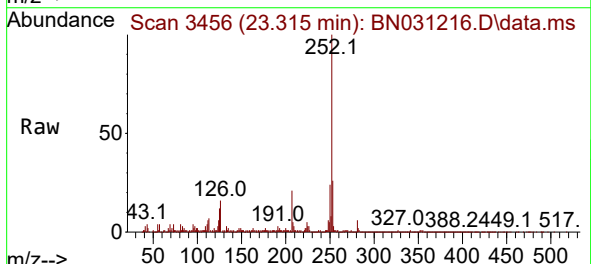
Manual Integrations
APPROVED

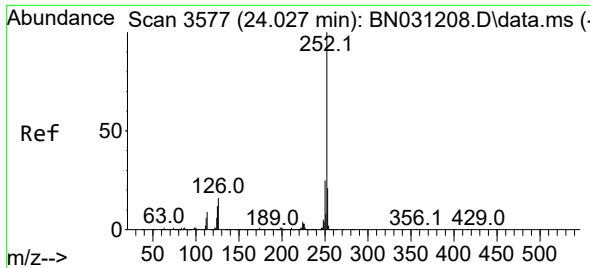
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#91
Benzo(k)fluoranthene
Concen: 5.959 ng/ul
RT: 23.315 min Scan# 3456
Delta R.T. 0.006 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

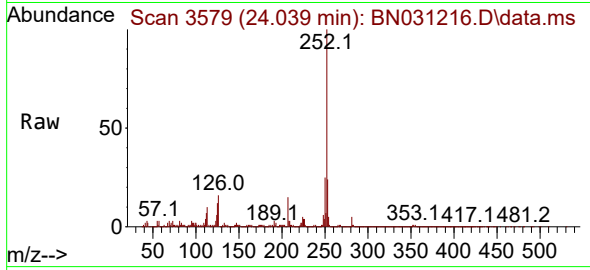
Tgt Ion:252 Resp: 436622
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 11.5 9.4 14.2





#93
Benzo(a)pyrene
Concen: 12.781 ng/ul
RT: 24.039 min Scan# 3579
Delta R.T. 0.006 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04

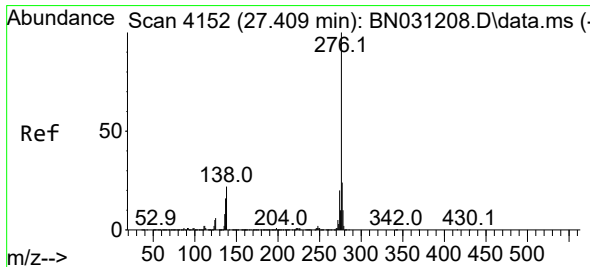
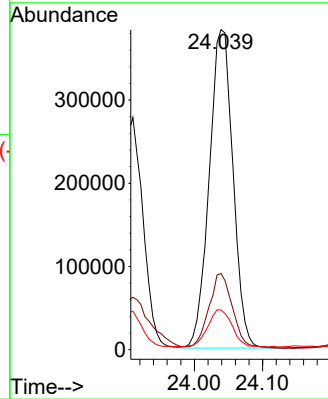
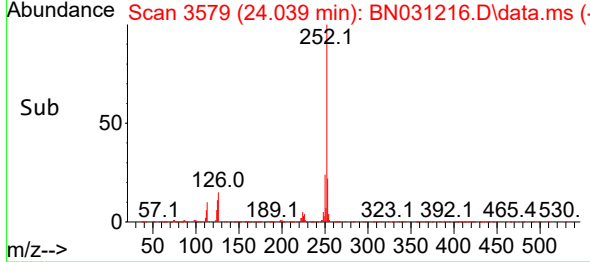
Instrument :
BNA_N
ClientSampleId :
C0AA5DL



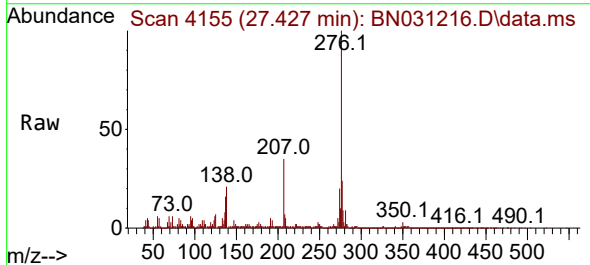
Tgt Ion:252 Resp: 928830
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 12.4 9.9 14.9

Manual Integrations
APPROVED

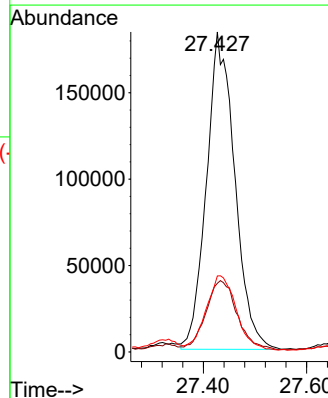
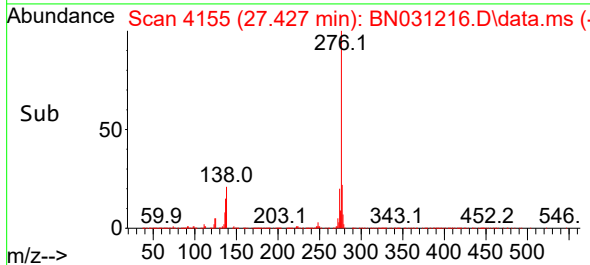
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

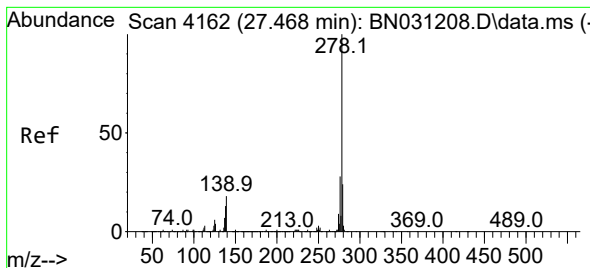


#94
Indeno(1,2,3-cd)pyrene
Concen: 7.711 ng/ul
RT: 27.427 min Scan# 4155
Delta R.T. 0.006 min
Lab File: BN031216.D
Acq: 25 Apr 2024 10:04



Tgt Ion:276 Resp: 695433
Ion Ratio Lower Upper
276 100
138 21.5 17.4 26.2
277 23.8 18.3 27.5





#95

Dibenzo(a,h)anthracene

Concen: 2.423 ng/ul m

RT: 27.480 min Scan# 4164

Delta R.T. -0.006 min

Lab File: BN031216.D

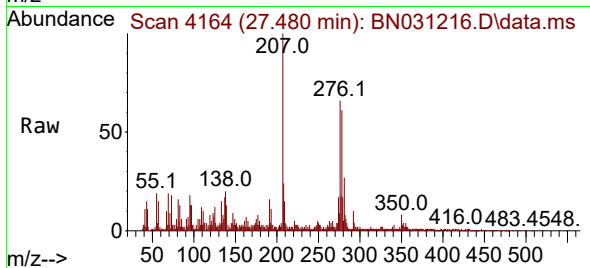
Acq: 25 Apr 2024 10:04

Instrument :

BNA_N

ClientSampleId :

C0AA5DL



Tgt Ion:278 Resp: 17935

Ion Ratio Lower Upper

278 100

139 21.7 13.3 19.9

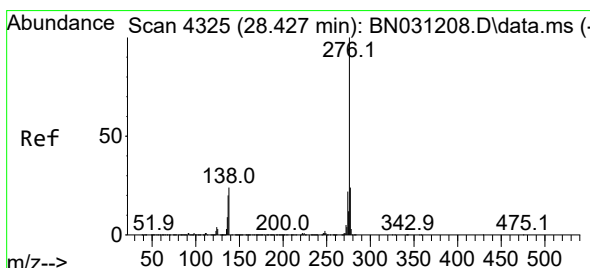
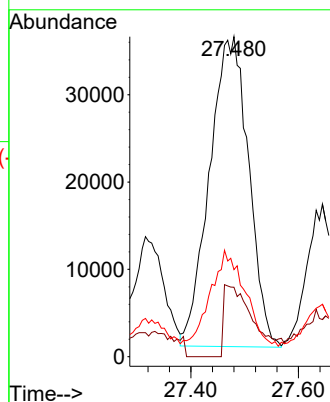
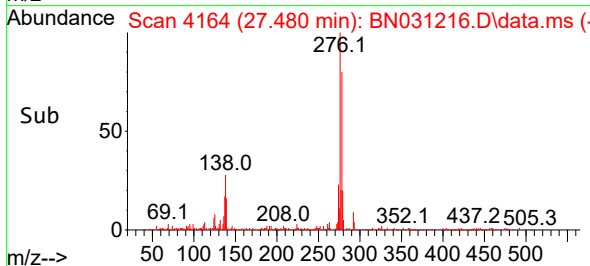
279 27.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#96

Benzo(g,h,i)perylene

Concen: 7.479 ng/ul

RT: 28.456 min Scan# 4330

Delta R.T. 0.018 min

Lab File: BN031216.D

Acq: 25 Apr 2024 10:04

Tgt Ion:276 Resp: 543181

Ion Ratio Lower Upper

276 100

138 23.8 19.0 28.6

277 23.9 19.3 28.9

