

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031645.D
 Acq On : 23 May 2024 23:30
 Operator : MA/JU
 Sample : P2547-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5P0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

Quant Time: May 24 00:03:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	486431	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1933704	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	972876	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1526620	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1230425	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1527929	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	17637	1.437	ng/uL	0.00
4) Pyridine-d5	3.605	84	129468	3.780	ng/u1	0.00
7) Phenol-d5	6.852	99	295762	7.386	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	192964	8.035	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	247994	8.037	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	180118	5.811	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	112598	7.694	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	102185	7.312	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	204959	7.501	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	168329	4.274	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	550661	8.981	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	659507	8.582	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	44590	3.844	ng/u1	0.00
60) Fluorene-d10	15.322	176	444010	8.357	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	23681	3.588	ng/u1	0.00
73) Anthracene-d10	17.169	188	579972	8.974	ng/u1	0.00
81) Pyrene-d10	19.469	212	629449	8.156	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	682527	9.490	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.505	105	53879	1.114	ng/u1	99
30) Naphthalene	10.522	128	173949	1.748	ng/u1	98
50) Acenaphthylene	14.045	152	207777	2.342	ng/u1	98
52) Acenaphthene	14.393	153	208884	3.634	ng/u1	93
56) Dibenzofuran	14.728	168	198960	2.593	ng/u1	98
61) Fluorene	15.375	166	242154	4.029	ng/u1	98
72) Phenanthrene	17.116	178	4779877	61.695	ng/u1	99
74) Anthracene	17.204	178	1044031	13.431	ng/u1	99
77) Carbazole	17.475	167	415001	6.256	ng/u1	99
80) Fluoranthene	19.133	202	6828520	71.580	ng/u1	99
82) Pyrene	19.498	202	6293003	64.324	ng/u1	98
85) Benzo(a)anthracene	21.286	228	3595915	43.460	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.222	149	87584	1.927	ng/u1	98
87) Chrysene	21.345	228	3242790	42.429	ng/u1	97
90) Benzo(b)fluoranthene	23.321	252	4162555	46.685	ng/u1	97
91) Benzo(k)fluoranthene	23.374	252	1436508m	15.805	ng/u1	
93) Benzo(a)pyrene	24.104	252	3207126	37.445	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.545	276	2108906	20.516	ng/u1	98
95) Dibenzo(a,h)anthracene	27.574	278	549510m	6.491	ng/u1	
96) Benzo(g,h,i)perylene	28.568	276	1998631	23.533	ng/u1	97

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

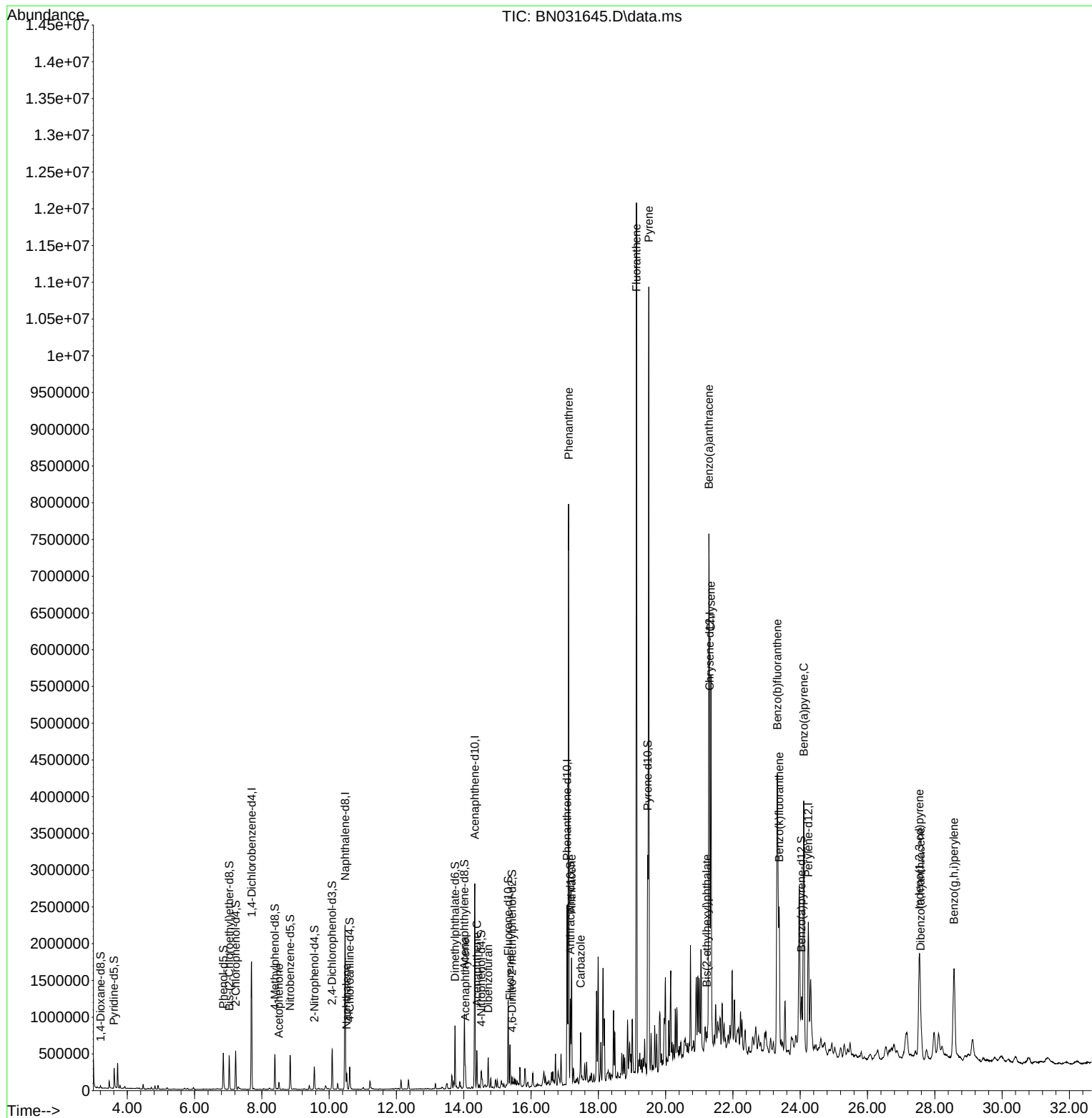
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
Data File : BN031645.D
Acq On : 23 May 2024 23:30
Operator : MA/JU
Sample : P2547-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

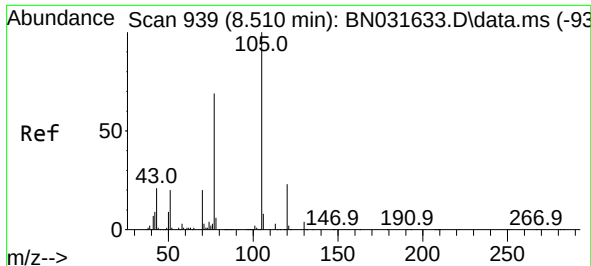
Instrument :
BNA_N
ClientSampleId :
BH5P0

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Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

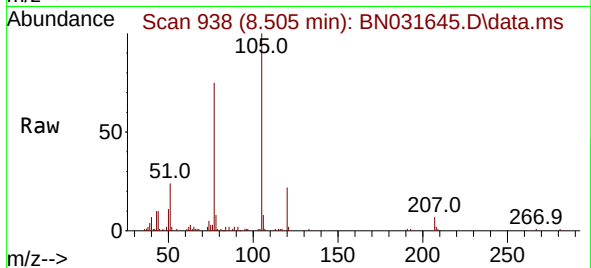
Quant Time: May 24 00:03:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
Response via : Initial Calibration





#16
Acetophenone
Concen: 1.114 ng/ul
RT: 8.505 min Scan# 938
Delta R.T. -0.006 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

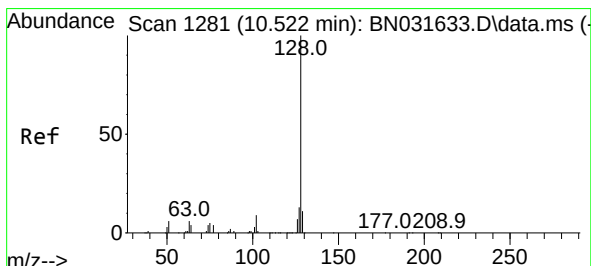
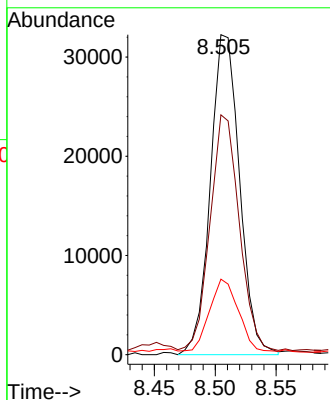
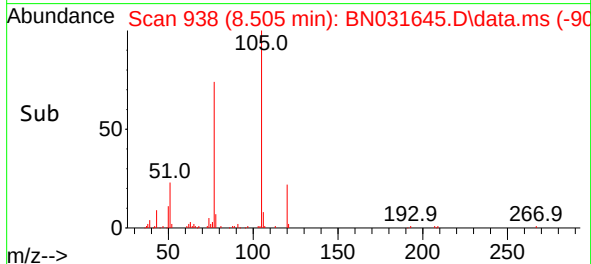
Instrument :
BNA_N
ClientSampleId :
BH5P0



Tgt Ion:105 Resp: 53879
Ion Ratio Lower Upper
105 100
77 74.9 60.7 91.1
51 23.6 18.6 28.0

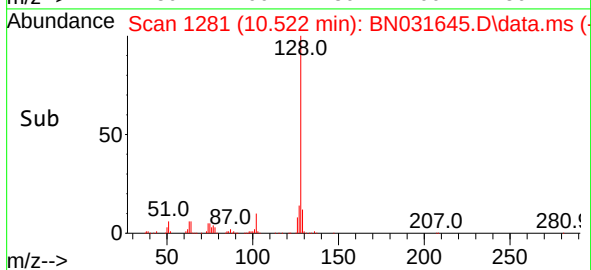
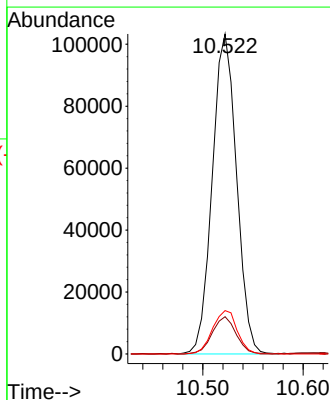
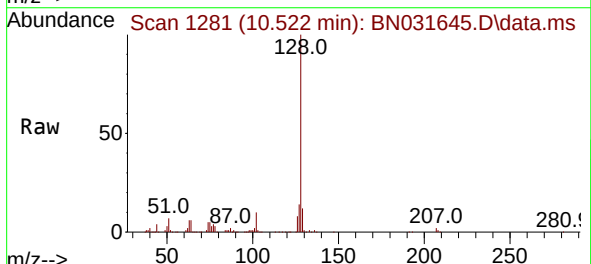
Manual Integrations
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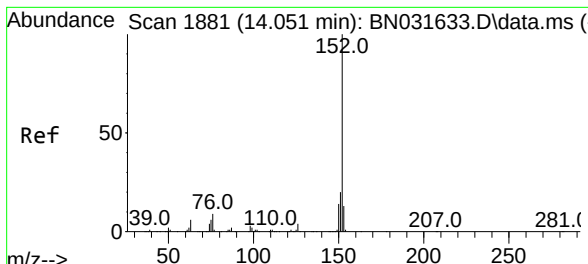
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#30
Naphthalene
Concen: 1.748 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

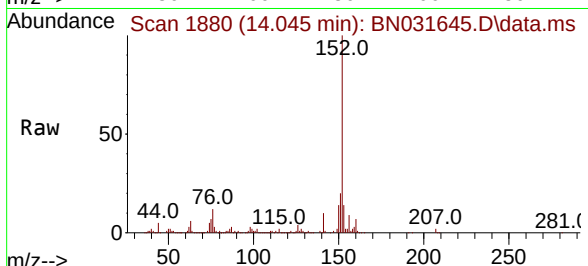
Tgt Ion:128 Resp: 173949
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.6 10.2 15.2





#50
 Acenaphthylene
 Concen: 2.342 ng/ul
 RT: 14.045 min Scan# 1880
 Delta R.T. -0.006 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

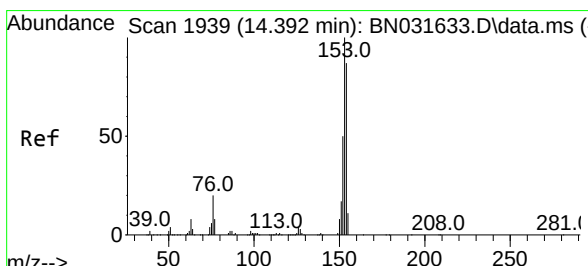
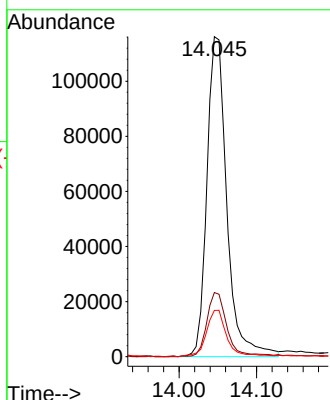
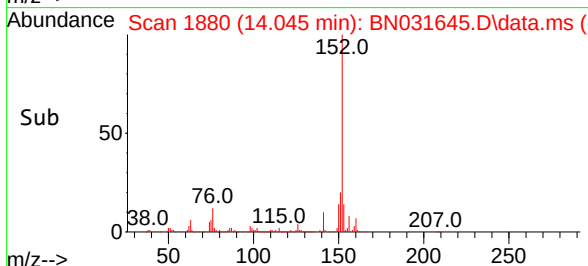
Instrument : BNA_N
 ClientSampleId : BH5P0



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.6	23.4
153	14.4	10.8	16.2

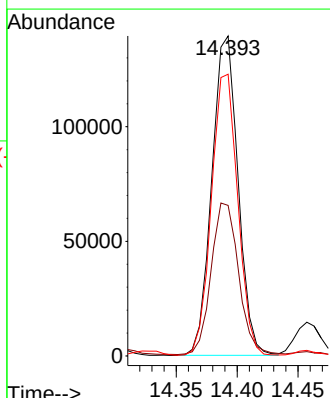
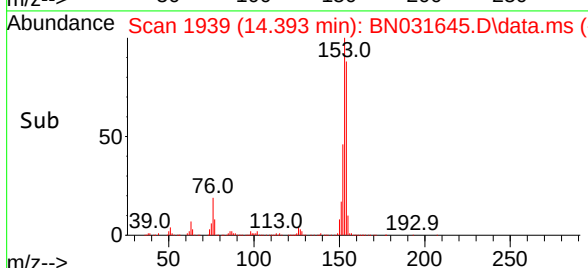
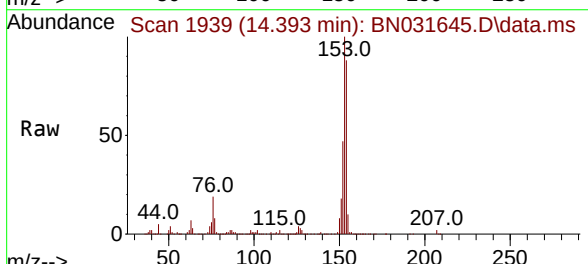
Manual Integrations
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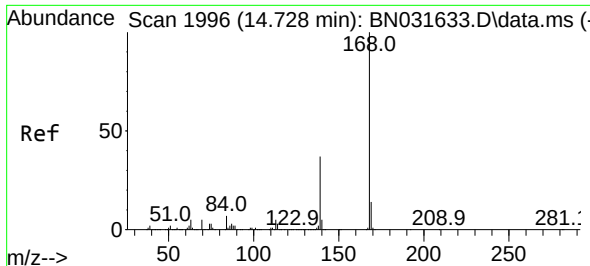
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024



#52
 Acenaphthene
 Concen: 3.634 ng/ul
 RT: 14.393 min Scan# 1939
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

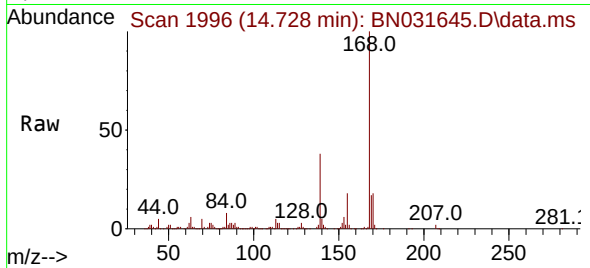
Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	40.5	60.7
154	88.1	76.6	114.8





#56
Dibenzenofuran
Concen: 2.593 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

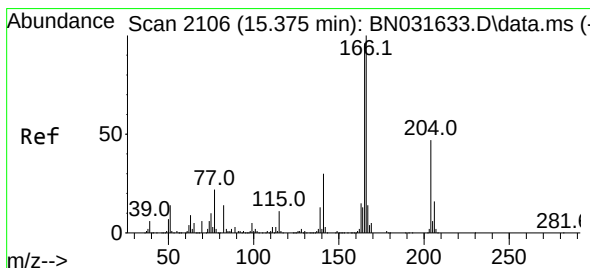
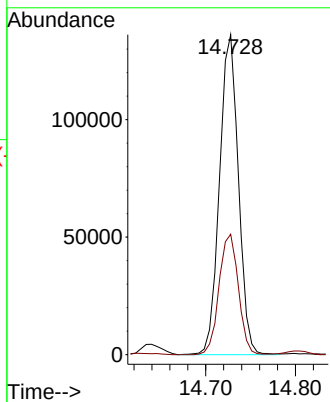
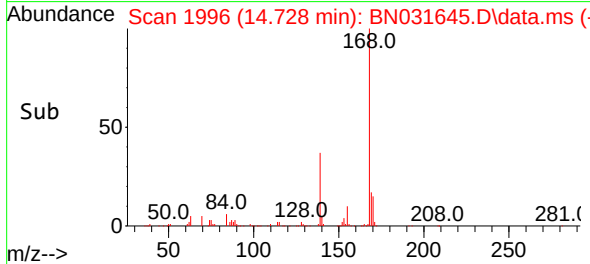
Instrument :
BNA_N
ClientSampleId :
BH5P0



Tgt Ion:168 Resp: 198960
Ion Ratio Lower Upper
168 100
139 37.6 29.2 43.8

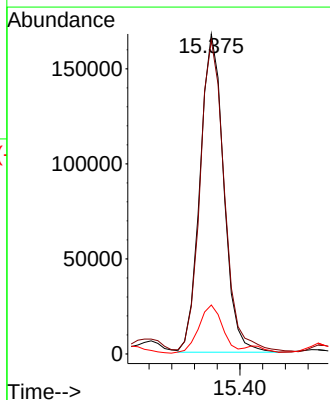
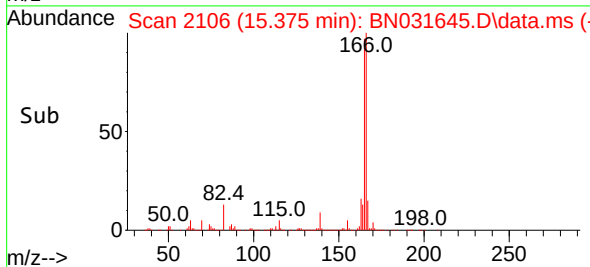
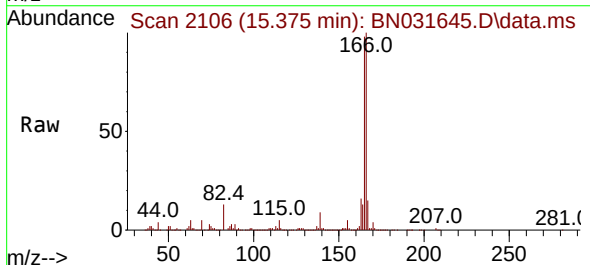
Manual Integrations
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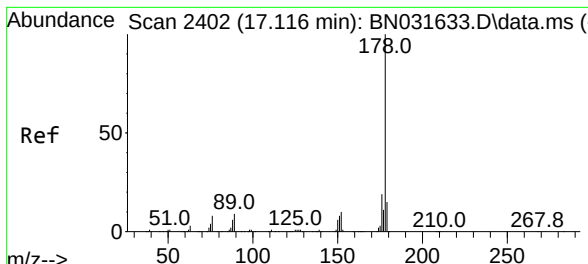
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#61
Fluorene
Concen: 4.029 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

Tgt Ion:166 Resp: 242154
Ion Ratio Lower Upper
166 100
165 98.0 77.0 115.6
167 15.3 10.9 16.3





#72
 Phenanthrene
 Concen: 61.695 ng/ul
 RT: 17.116 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

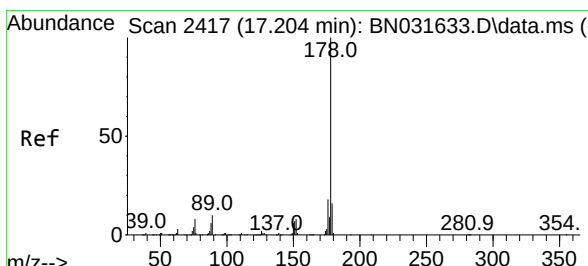
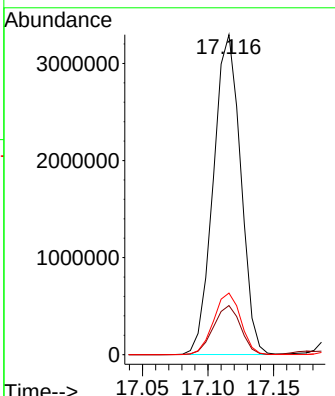
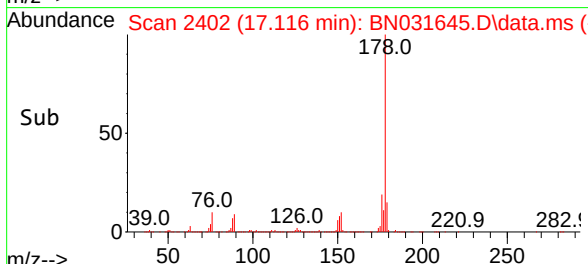
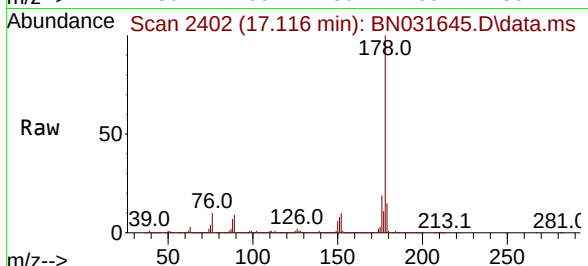
Instrument : BNA_N
 ClientSampleId : BH5P0

Tgt Ion:178 Resp: 477987

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	19.3	15.2	22.8

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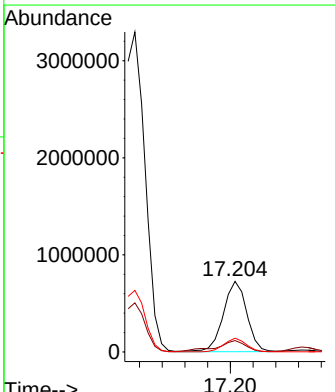
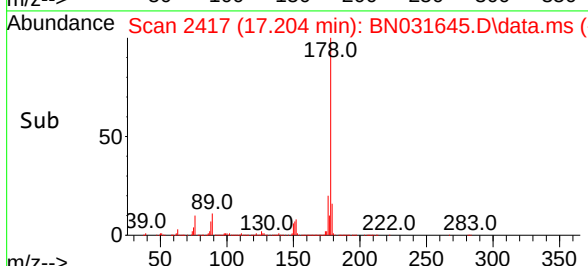
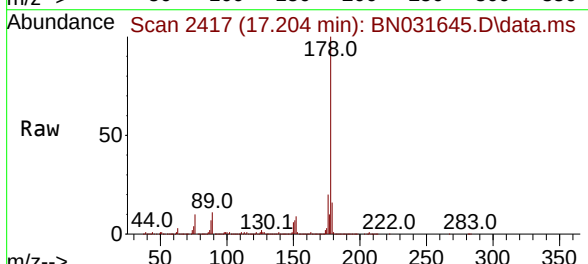
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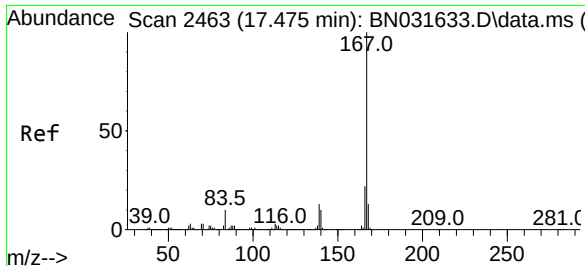


#74
 Anthracene
 Concen: 13.431 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

Tgt Ion:178 Resp: 1044031

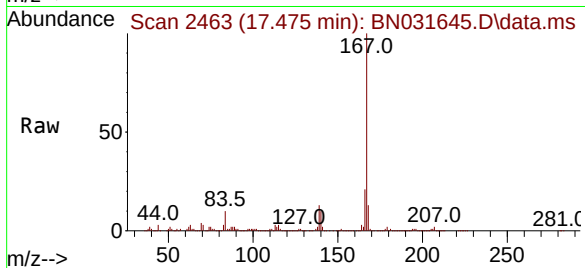
Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.9	17.9
176	19.6	15.4	23.2





#77
 Carbazole
 Concen: 6.256 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

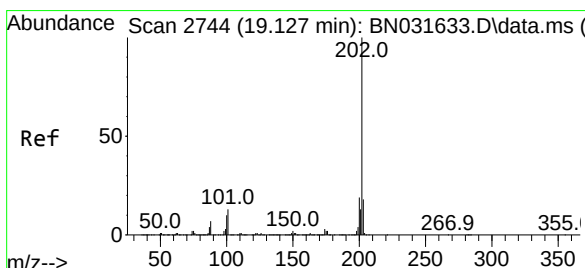
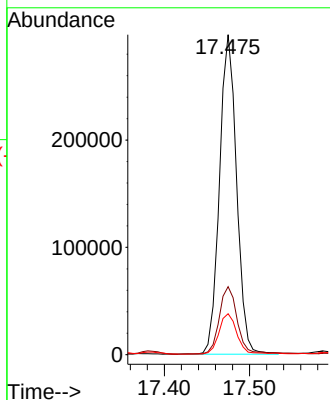
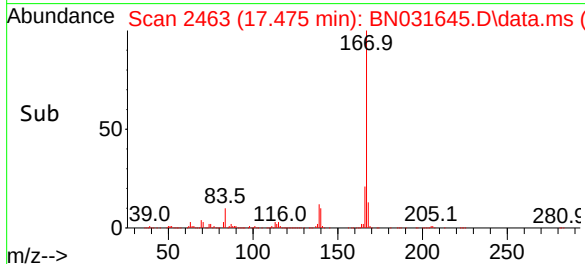
Instrument :
 BNA_N
 ClientSampleId :
 BH5P0



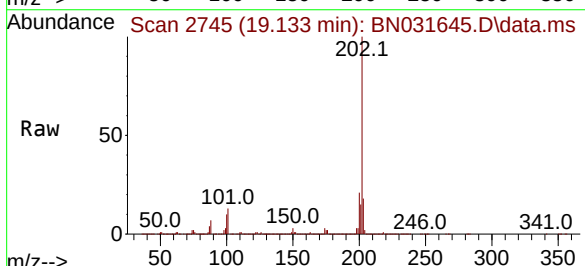
Tgt Ion:167 Resp: 415000
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.7 25.1
 139 12.8 10.5 15.7

Manual Integrations
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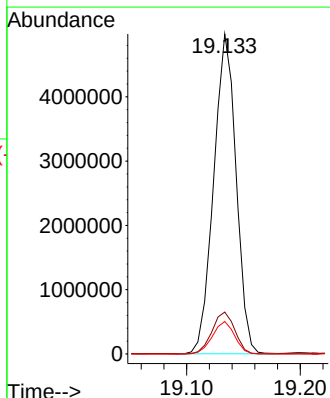
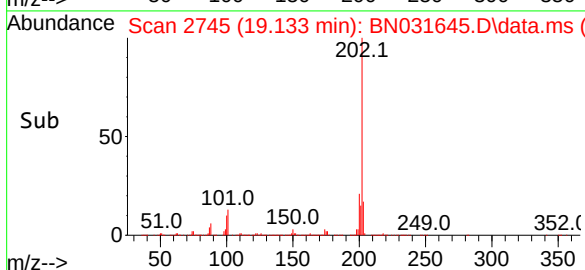
Reviewed By :Yogesh Patel 05/24/2024
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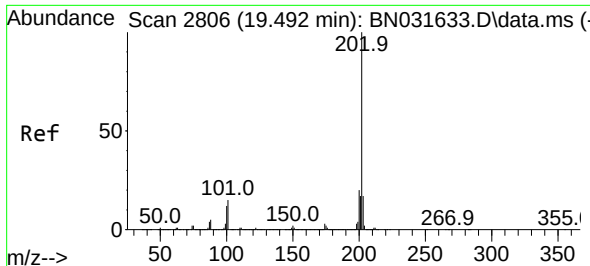


#80
 Fluoranthene
 Concen: 71.580 ng/ul
 RT: 19.133 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30



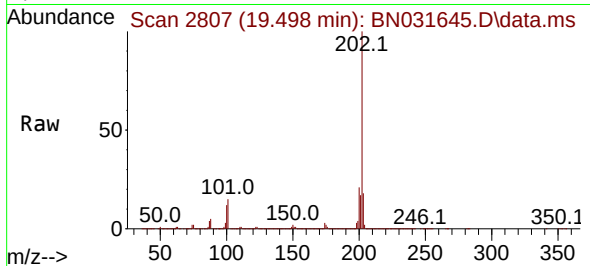
Tgt Ion:202 Resp: 6828520
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.1 15.1
 100 10.2 8.0 12.0





#82
 Pyrene
 Concen: 64.324 ng/ul
 RT: 19.498 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30

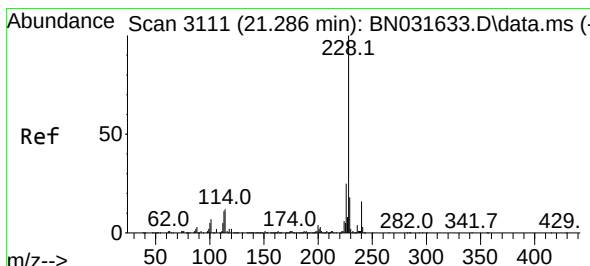
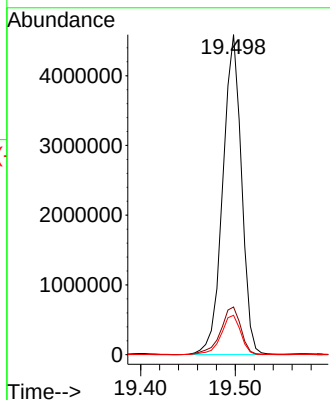
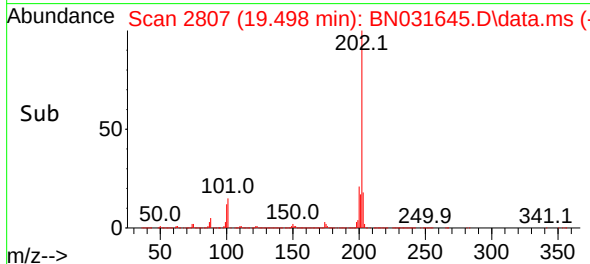
Instrument :
 BNA_N
 ClientSampleId :
 BH5P0



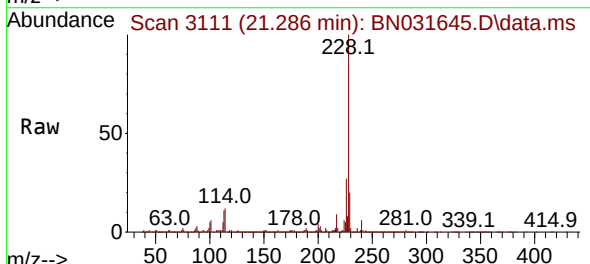
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 Ion Ratio Lower Upper
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 101 14.9 11.4 17.2
 100 12.3 9.3 13.9

Manual Integrations
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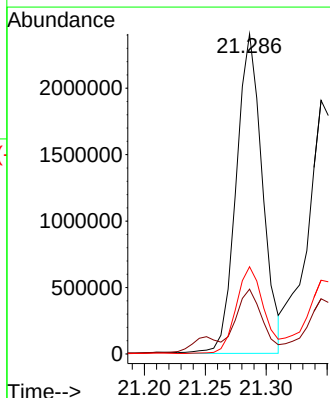
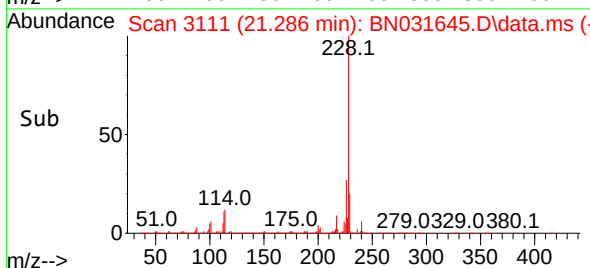
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

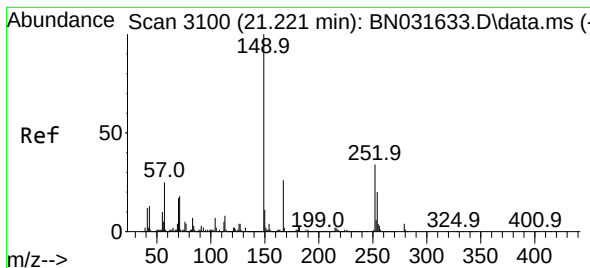


#85
 Benzo(a)anthracene
 Concen: 43.460 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.000 min
 Lab File: BN031645.D
 Acq: 23 May 2024 23:30



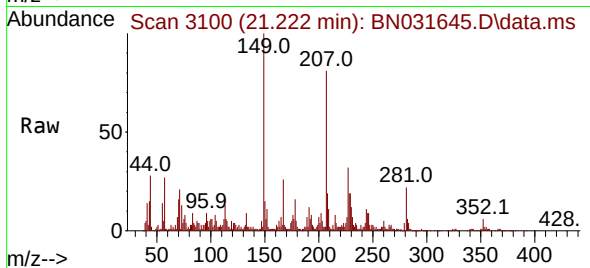
Tgt Ion:228 Resp: 3595915
 Ion Ratio Lower Upper
 228 100
 229 20.2 15.7 23.5
 226 27.3 21.9 32.9





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.927 ng/ul
RT: 21.222 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

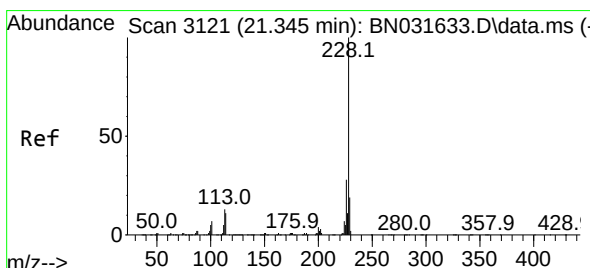
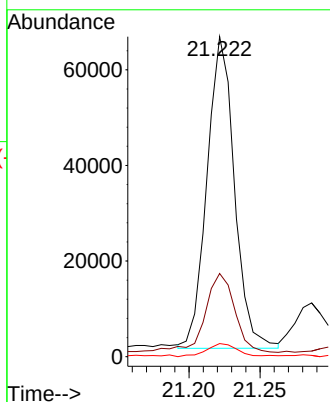
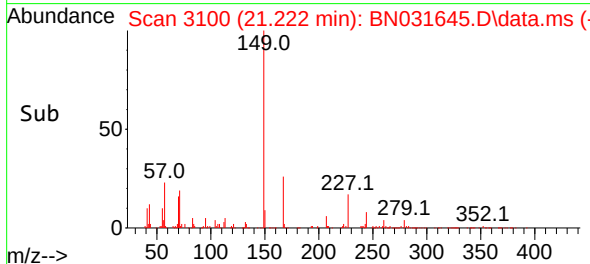
Instrument :
BNA_N
ClientSampleId :
BH5P0



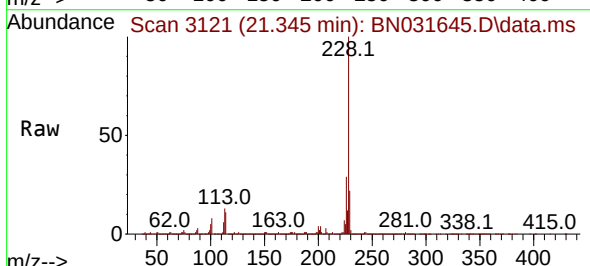
Tgt Ion:149 Resp: 87584
Ion Ratio Lower Upper
149 100
167 26.0 21.6 32.4
279 4.1 2.8 4.2

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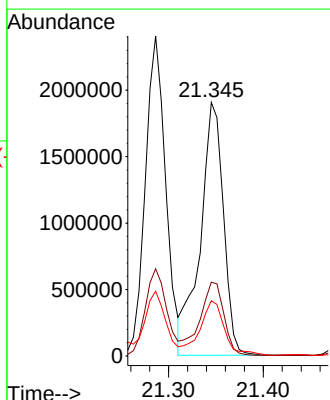
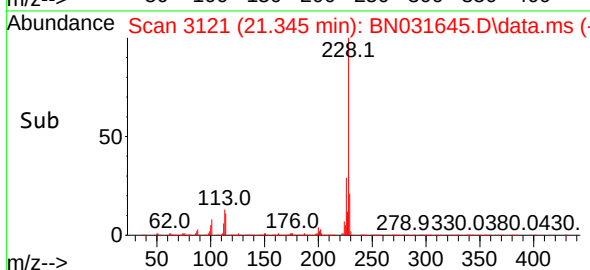
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

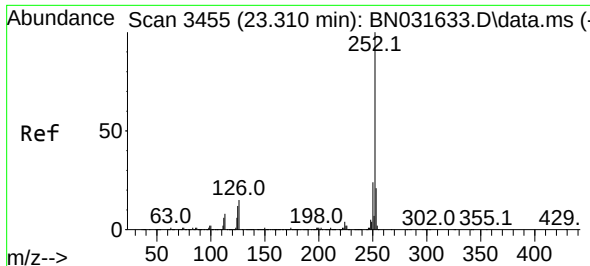


#87
Chrysene
Concen: 42.429 ng/ul
RT: 21.345 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30



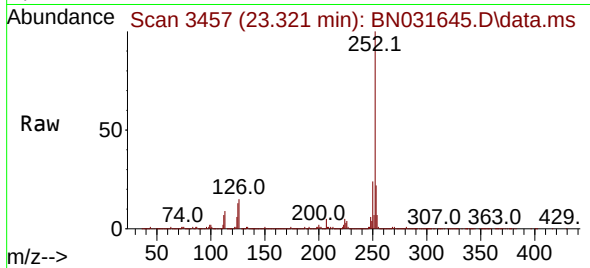
Tgt Ion:228 Resp: 3242790
Ion Ratio Lower Upper
228 100
226 29.1 22.9 34.3
229 21.8 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 46.685 ng/ul
RT: 23.321 min Scan# 3457
Delta R.T. 0.012 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30

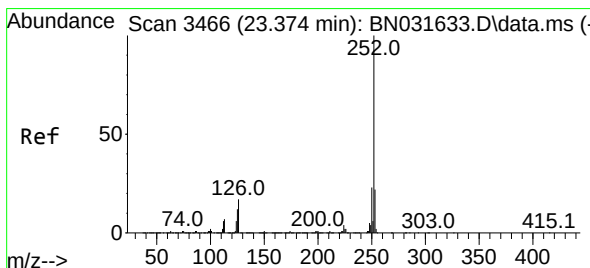
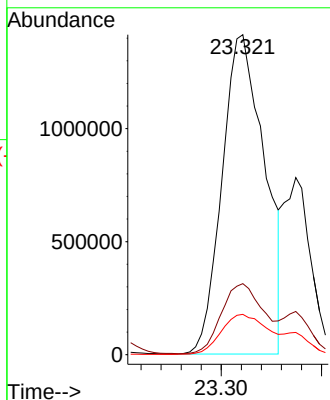
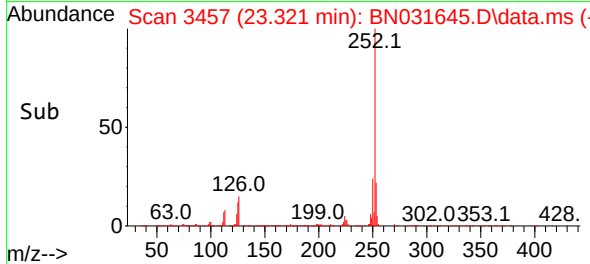
Instrument :
BNA_N
ClientSampleId :
BH5P0



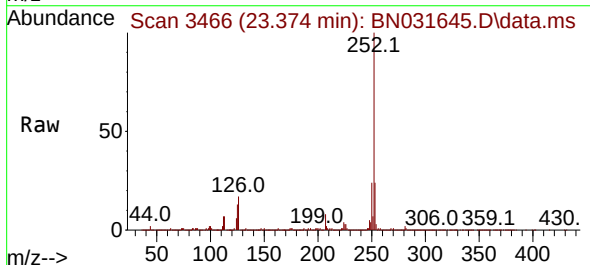
Tgt Ion:252 Resp: 416255
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 12.6 9.3 13.9

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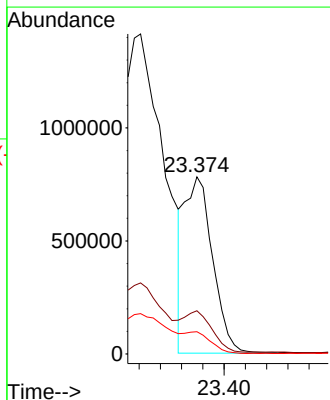
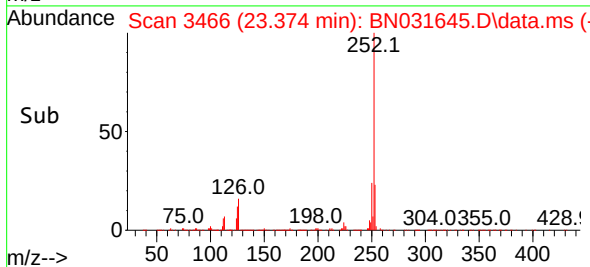
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

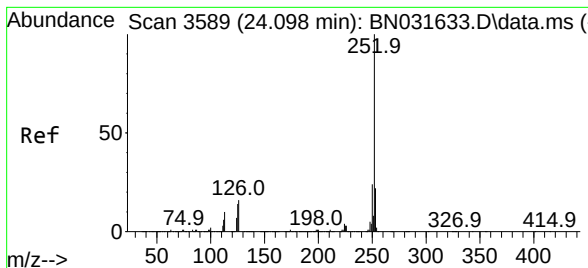


#91
Benzo(k)fluoranthene
Concen: 15.805 ng/ul m
RT: 23.374 min Scan# 3466
Delta R.T. 0.006 min
Lab File: BN031645.D
Acq: 23 May 2024 23:30



Tgt Ion:252 Resp: 1436508
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 12.5 9.3 13.9





#93

Benzo(a)pyrene

Concen: 37.445 ng/u1

RT: 24.104 min Scan# 3590

Delta R.T. 0.000 min

Lab File: BN031645.D

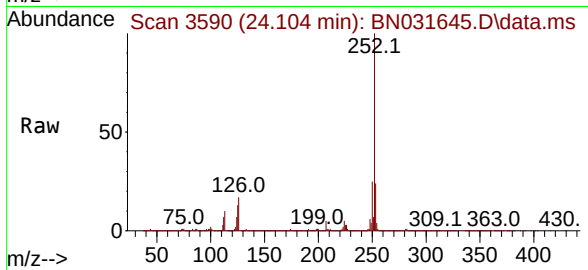
Acq: 23 May 2024 23:30

Instrument :

BNA_N

ClientSampleId :

BH5P0



Tgt Ion:252 Resp: 3207120

Ion Ratio Lower Upper

252 100

253 23.8 16.6 24.8

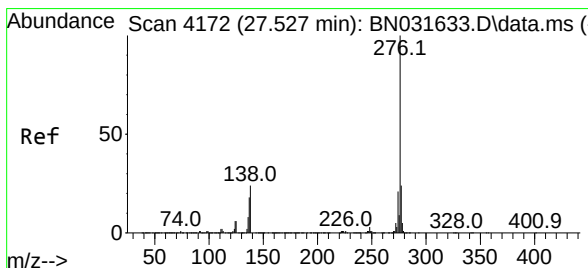
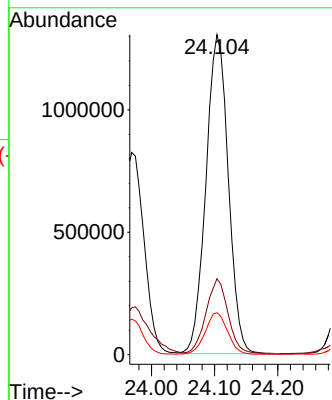
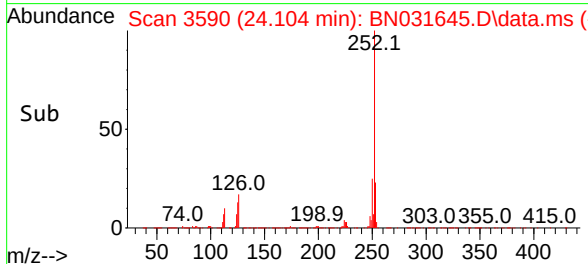
125 13.1 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 20.516 ng/u1

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031645.D

Acq: 23 May 2024 23:30

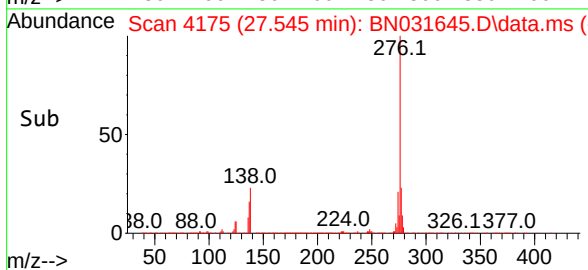
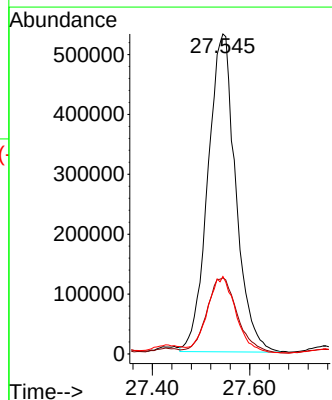
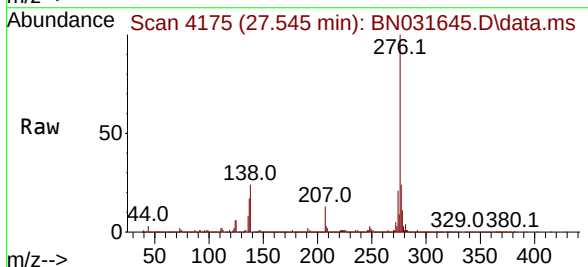
Tgt Ion:276 Resp: 2108906

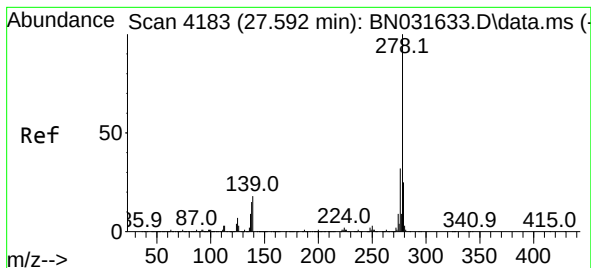
Ion Ratio Lower Upper

276 100

138 23.8 19.8 29.6

277 24.2 18.2 27.4





#95

Dibenzo(a,h)anthracene

Concen: 6.491 ng/ul m

RT: 27.574 min Scan# 4180

Delta R.T. -0.018 min

Lab File: BN031645.D

Acq: 23 May 2024 23:30

Instrument :

BNA_N

ClientSampleId :

BH5P0

Tgt Ion:278 Resp: 549510

Ion Ratio Lower Upper

278 100

139 19.4 15.2 22.8

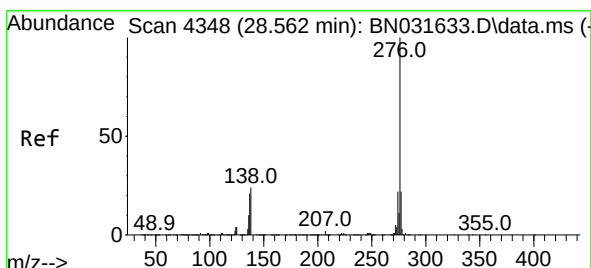
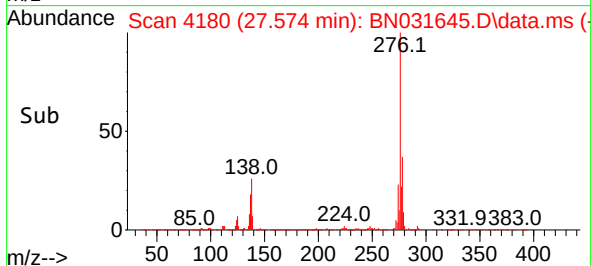
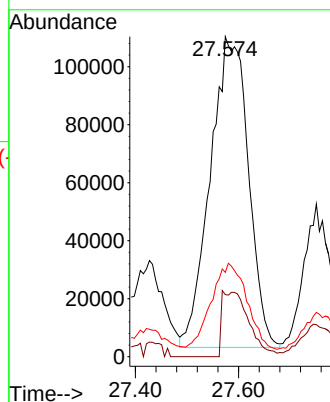
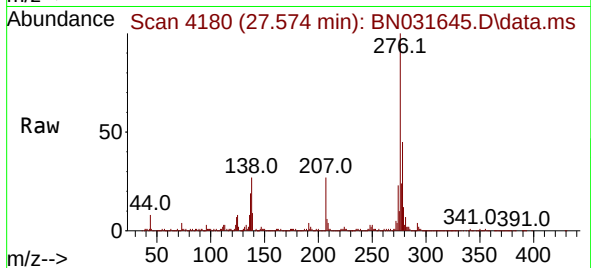
279 26.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#96

Benzo(g,h,i)perylene

Concen: 23.533 ng/ul

RT: 28.568 min Scan# 4349

Delta R.T. 0.012 min

Lab File: BN031645.D

Acq: 23 May 2024 23:30

Tgt Ion:276 Resp: 1998631

Ion Ratio Lower Upper

276 100

138 25.9 19.5 29.3

277 23.9 17.6 26.4

