

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031635.D
 Acq On : 23 May 2024 16:56
 Operator : MA/JU
 Sample : P2547-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5W9

Manual Integrations
 APPROVED

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

Quant Time: May 23 23:19:00 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	455978	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2010014	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1187256	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	2113627	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1274656	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1447481	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	39245	3.411	ng/uL	0.00
4) Pyridine-d5	3.599	84	545716	16.999	ng/u1	0.00
7) Phenol-d5	6.852	99	767476	20.447	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	472492	20.988	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	581880	20.118	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	553979	19.065	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	282884	18.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	258799	17.816	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	542227	19.091	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	804063	19.639	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	1687812	22.558	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	1976143	21.073	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	202474	14.302	ng/u1	0.00
60) Fluorene-d10	15.322	176	1463131	22.565	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	113164	12.384	ng/u1	0.00
73) Anthracene-d10	17.169	188	1997526	22.325	ng/u1	0.00
81) Pyrene-d10	19.469	212	1829059	22.877	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1562348	22.930	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.522	128	737630	7.131	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	206243	3.047	ng/u1	99
37) 1-Methylnaphthalene	12.357	142	162516	2.425	ng/u1	96
52) Acenaphthene	14.392	153	1011855	14.426	ng/u1	96
56) Dibenzofuran	14.728	168	881116	9.410	ng/u1	94
61) Fluorene	15.375	166	911655	12.430	ng/u1	99
72) Phenanthrene	17.122	178	11070957	103.210	ng/u1	99
74) Anthracene	17.204	178	2953854	27.447	ng/u1	99
77) Carbazole	17.475	167	1350942	14.710	ng/u1	99
80) Fluoranthene	19.133	202	10432134	105.560	ng/u1	98
82) Pyrene	19.498	202	8715258	85.992	ng/u1	97
85) Benzo(a)anthracene	21.286	228	3841686	44.819	ng/u1	98
87) Chrysene	21.345	228	3399846	42.940	ng/u1	97
90) Benzo(b)fluoranthene	23.316	252	4060055	48.066	ng/u1	98
91) Benzo(k)fluoranthene	23.368	252	1566033	18.188	ng/u1	98
93) Benzo(a)pyrene	24.104	252	3250807	40.064	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.533	276	2155336m	22.133	ng/u1	
95) Dibenzo(a,h)anthracene	27.580	278	506922m	6.321	ng/u1	
96) Benzo(g,h,i)perylene	28.562	276	2036297	25.309	ng/u1	96

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

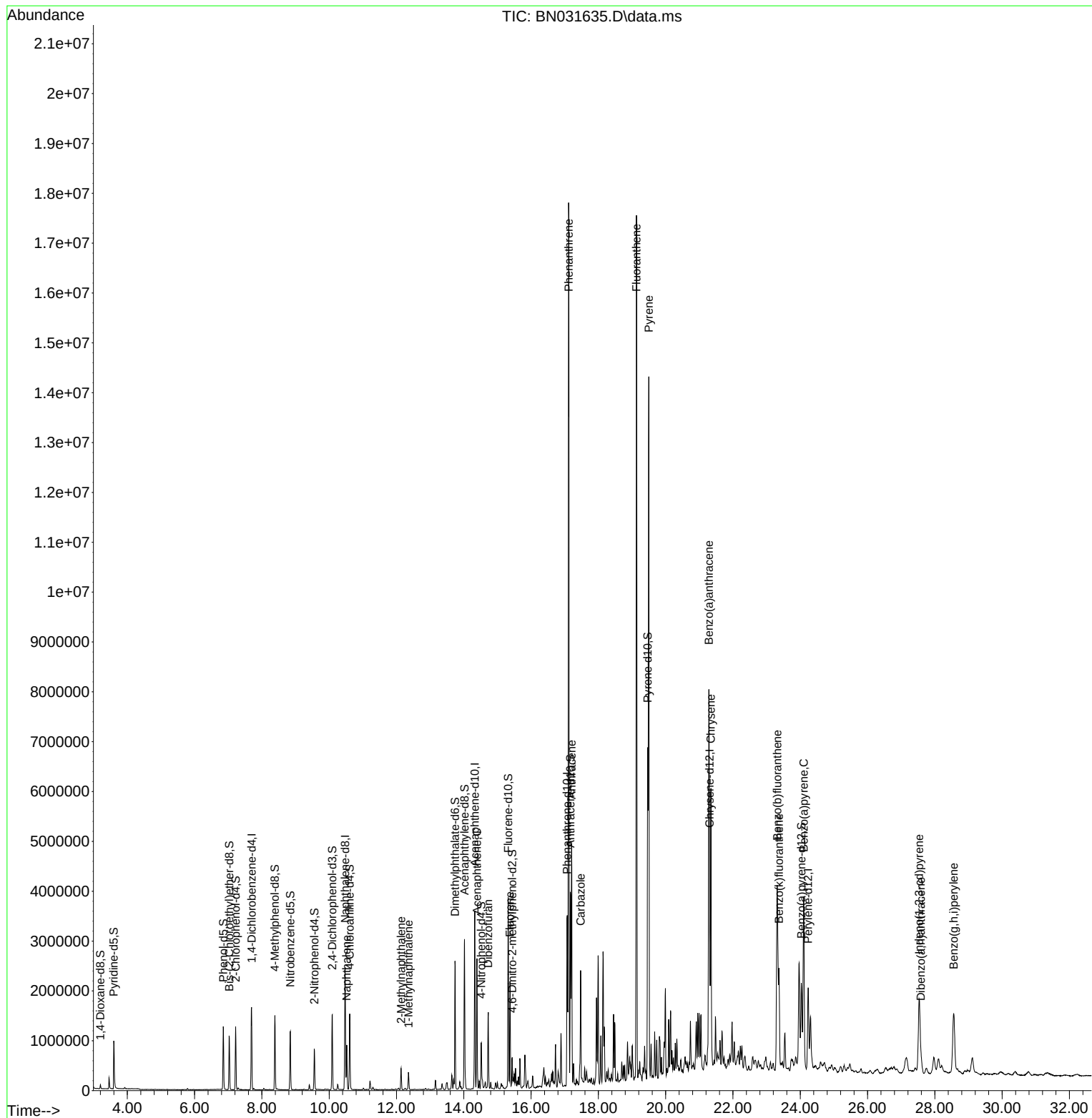
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
Data File : BN031635.D
Acq On : 23 May 2024 16:56
Operator : MA/JU
Sample : P2547-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

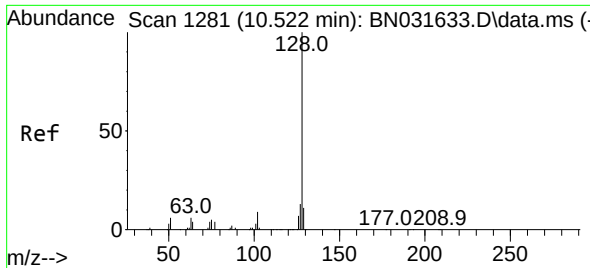
Instrument :
BNA_N
ClientSampleId :
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Quant Time: May 23 23:19:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
Response via : Initial Calibration

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APPROVED

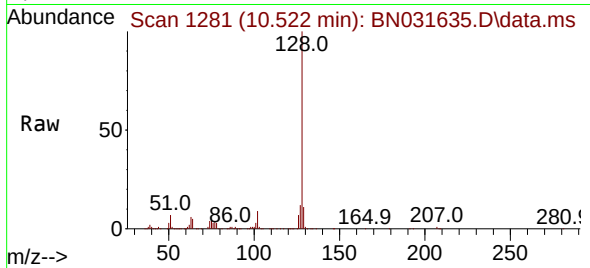
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024





#30
Naphthalene
Concen: 7.131 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

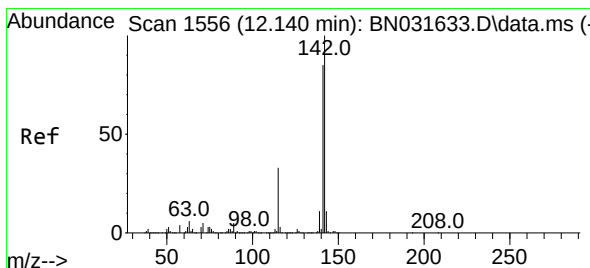
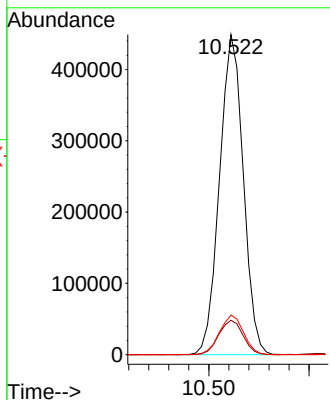
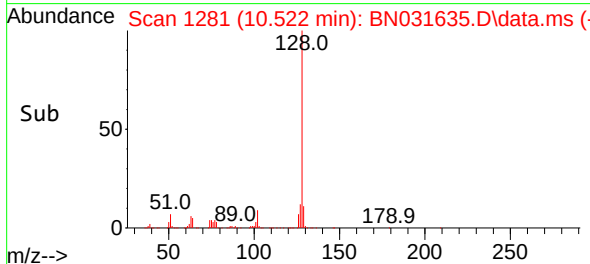
Instrument :
BNA_N
ClientSampleId :
BH5W9



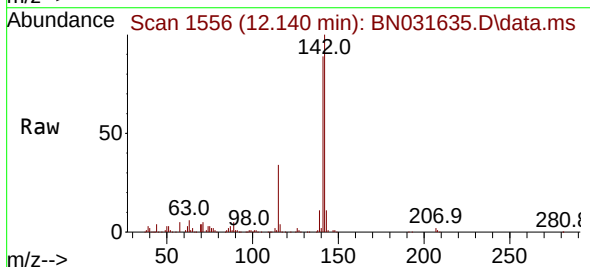
Tgt Ion:128 Resp: 737630
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.3 10.2 15.2

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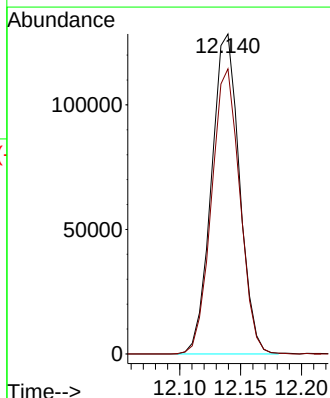
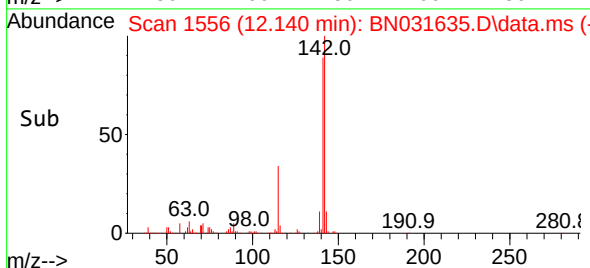
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

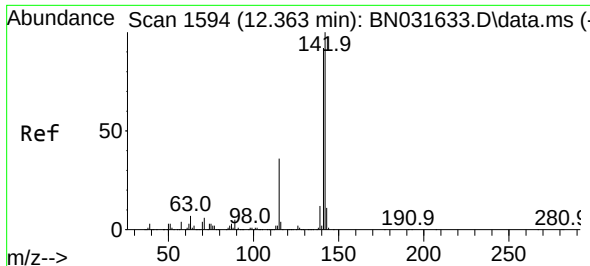


#36
2-Methylnaphthalene
Concen: 3.047 ng/ul
RT: 12.140 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56



Tgt Ion:142 Resp: 206243
Ion Ratio Lower Upper
142 100
141 89.1 70.5 105.7





#37

1-Methylnaphthalene

Concen: 2.425 ng/ul

RT: 12.357 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA_N

ClientSampleId :

BH5W9

Tgt Ion:142 Resp: 162510

Ion Ratio Lower Upper

142 100

141 92.3 77.0 115.6

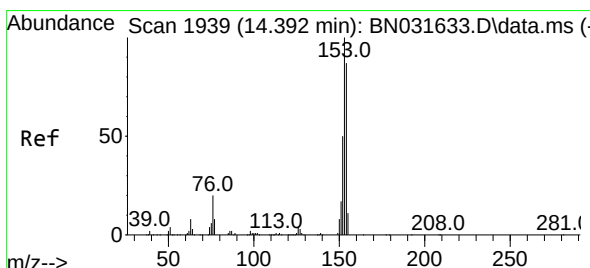
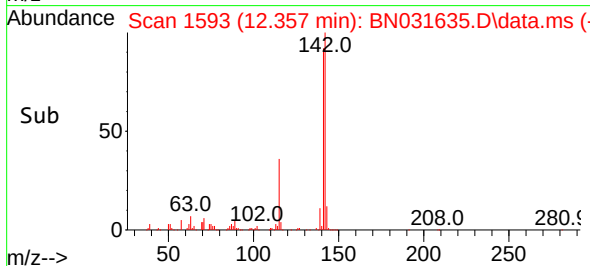
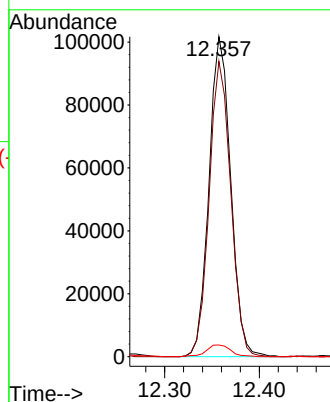
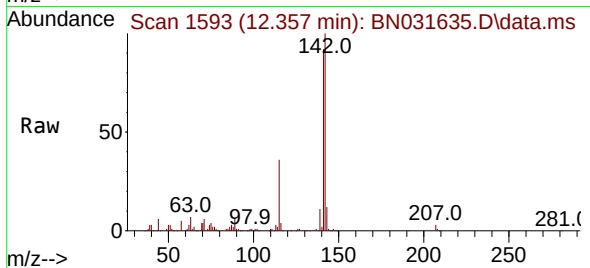
116 3.7 3.0 4.6

Manual Integrations

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#52

Acenaphthene

Concen: 14.426 ng/ul

RT: 14.392 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

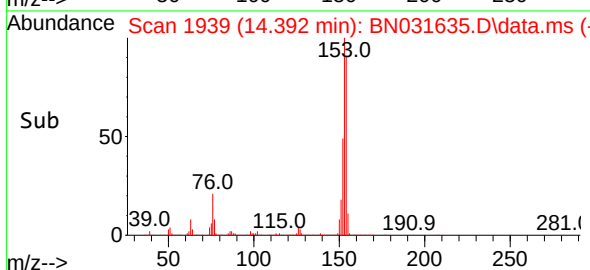
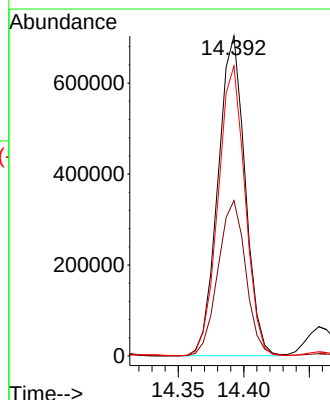
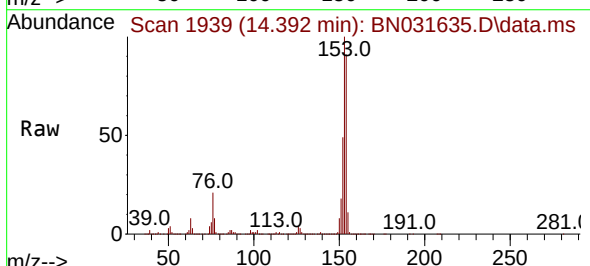
Tgt Ion:153 Resp: 1011855

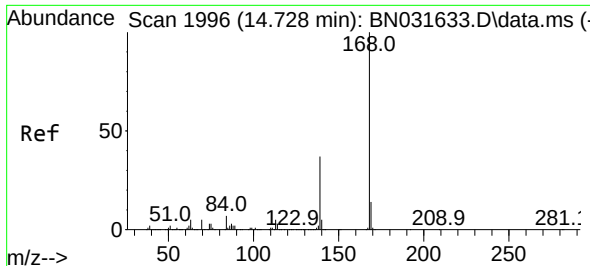
Ion Ratio Lower Upper

153 100

152 48.6 40.5 60.7

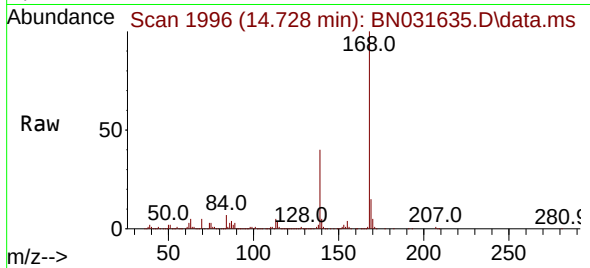
154 90.6 76.6 114.8





#56
Dibenzenofuran
Concen: 9.410 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

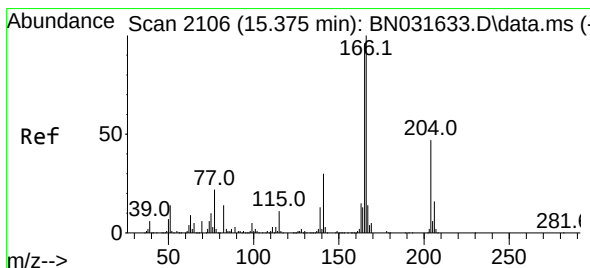
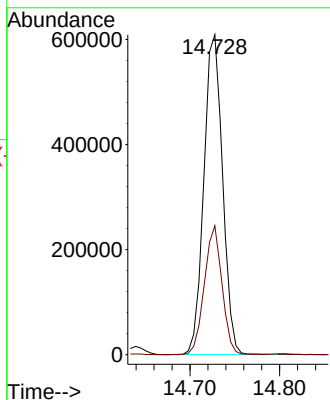
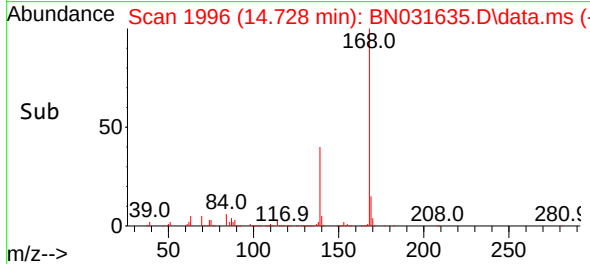
Instrument :
BNA_N
ClientSampleId :
BH5W9



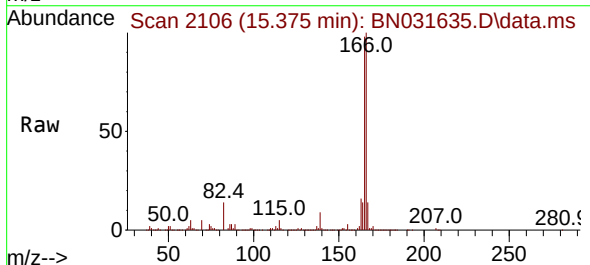
Tgt Ion:168 Resp: 881110
Ion Ratio Lower Upper
168 100
139 40.3 29.2 43.8

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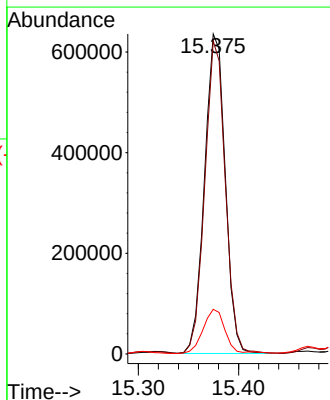
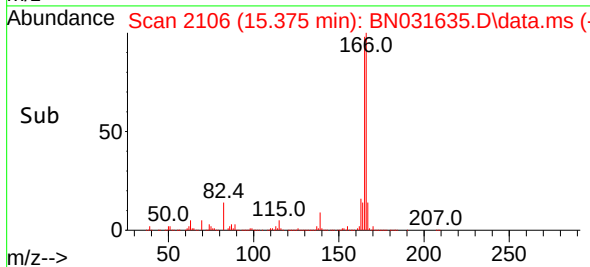
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

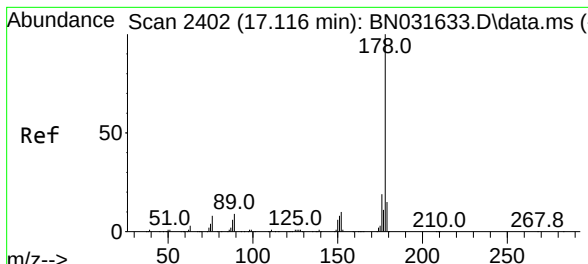


#61
Fluorene
Concen: 12.430 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56



Tgt Ion:166 Resp: 911655
Ion Ratio Lower Upper
166 100
165 97.8 77.0 115.6
167 14.0 10.9 16.3





#72
 Phenanthrene
 Concen: 103.210 ng/u1
 RT: 17.122 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56

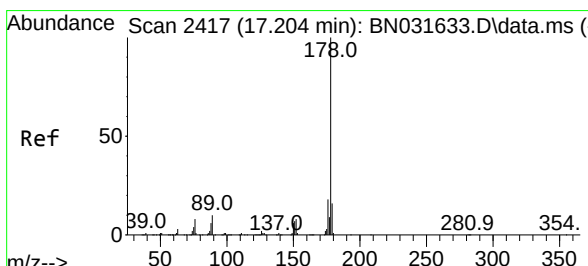
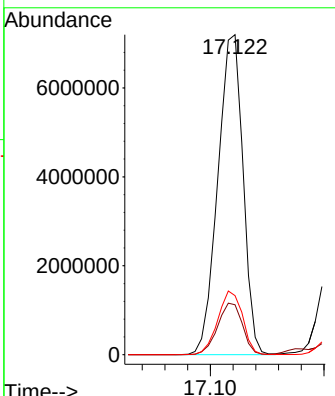
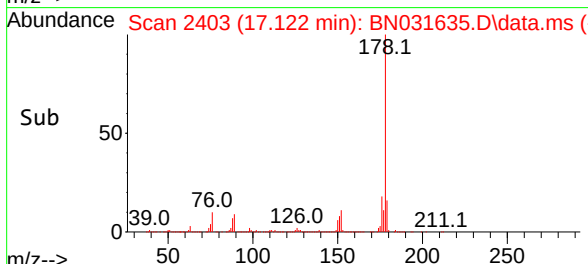
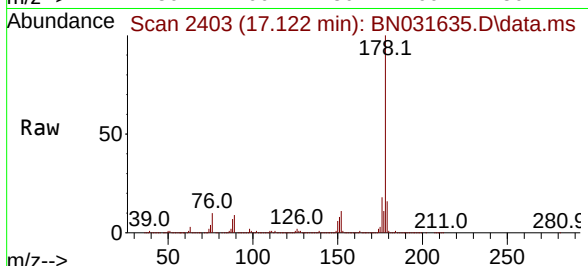
Instrument : BNA_N
 ClientSampleId : BH5W9

Tgt Ion:178 Resp:1107095

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8
176	18.5	15.2	22.8

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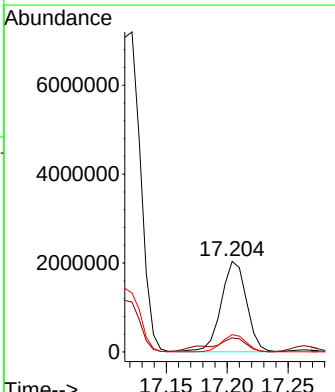
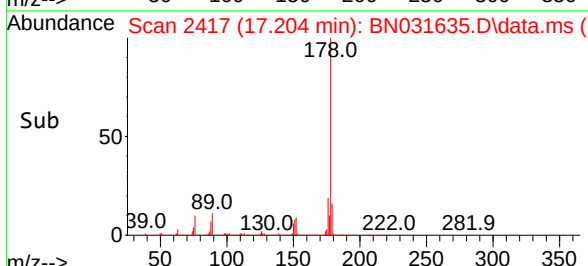
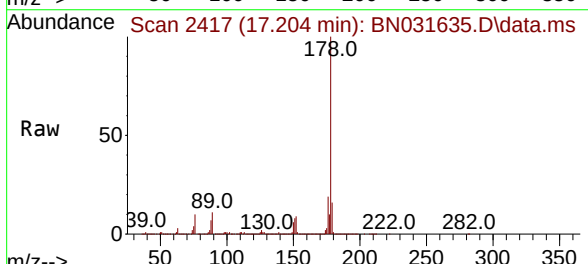
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

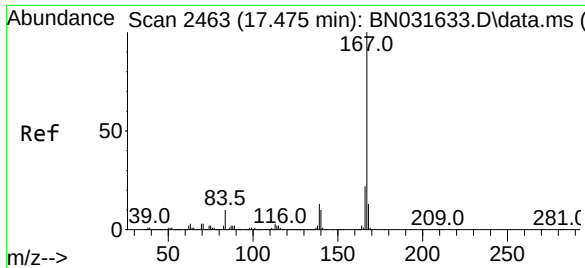


#74
 Anthracene
 Concen: 27.447 ng/u1
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56

Tgt Ion:178 Resp: 2953854

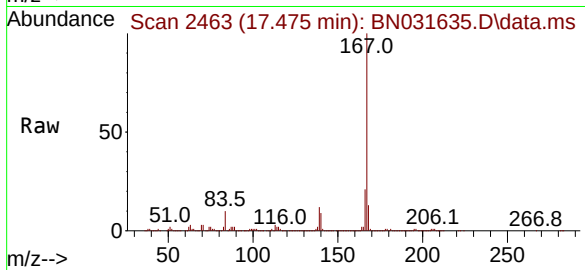
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	19.1	15.4	23.2





#77
 Carbazole
 Concen: 14.710 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56

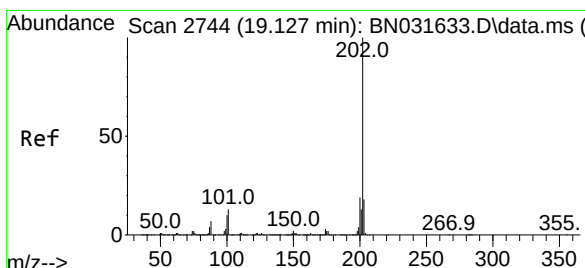
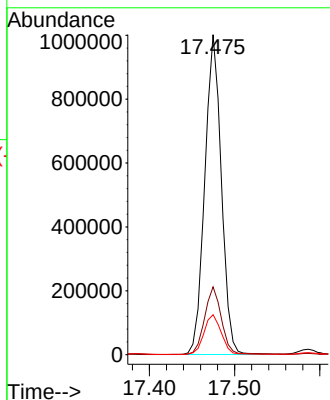
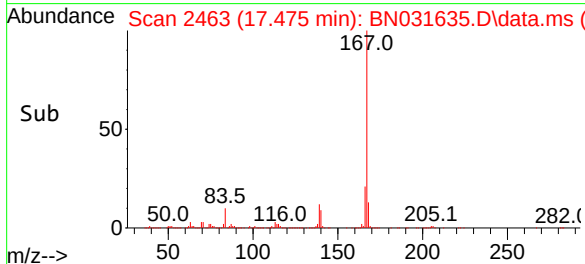
Instrument :
 BNA_N
 ClientSampleId :
 BH5W9



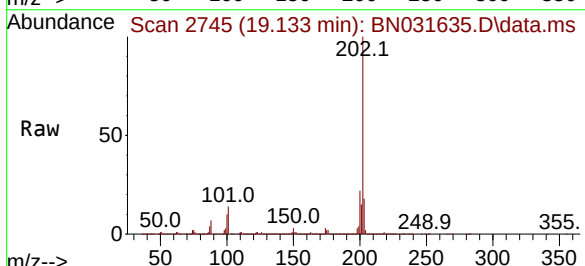
Tgt Ion:167 Resp: 135094
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.7 25.1
 139 12.5 10.5 15.7

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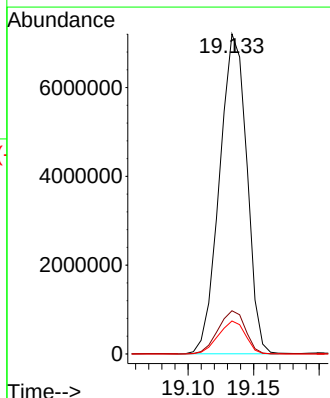
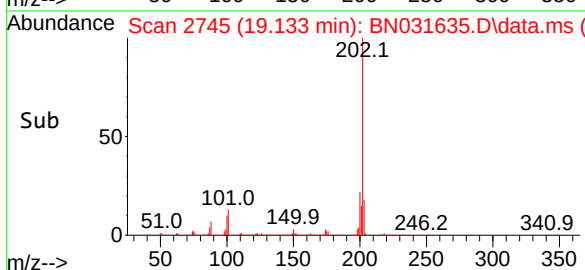
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

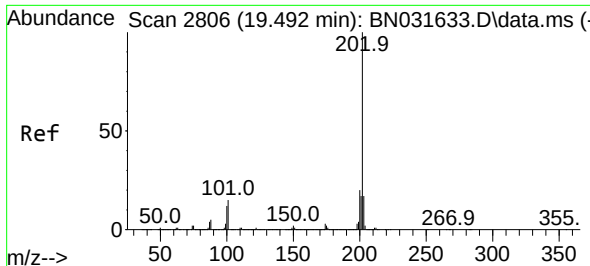


#80
 Fluoranthene
 Concen: 105.560 ng/ul
 RT: 19.133 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56



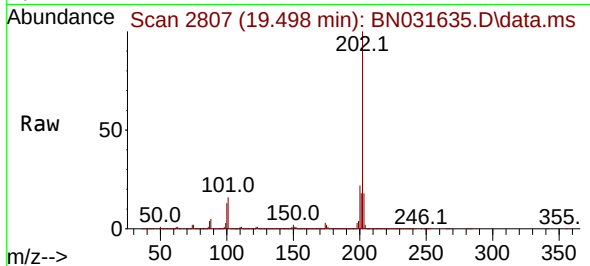
Tgt Ion:202 Resp:10432134
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.1 15.1
 100 10.3 8.0 12.0





#82
 Pyrene
 Concen: 85.992 ng/ul
 RT: 19.498 min Scan# 2807
 Delta R.T. 0.000 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56

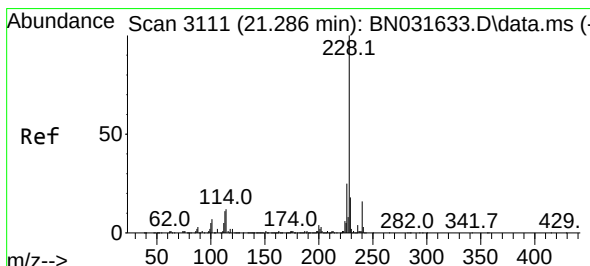
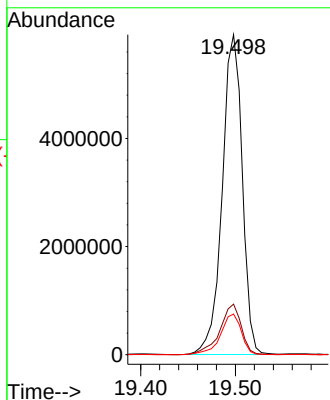
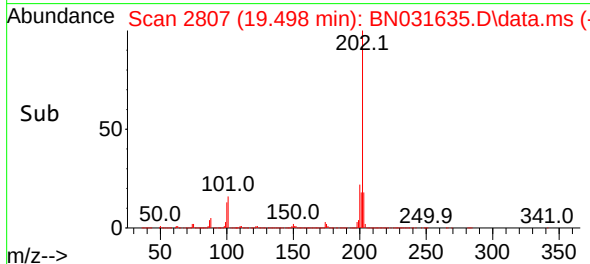
Instrument :
 BNA_N
 ClientSampleId :
 BH5W9



Tgt Ion:202 Resp: 871525
 Ion Ratio Lower Upper
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 101 15.8 11.4 17.2
 100 12.7 9.3 13.9

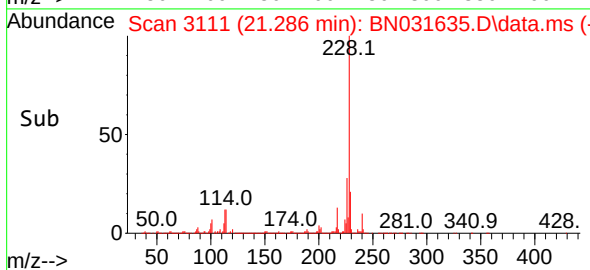
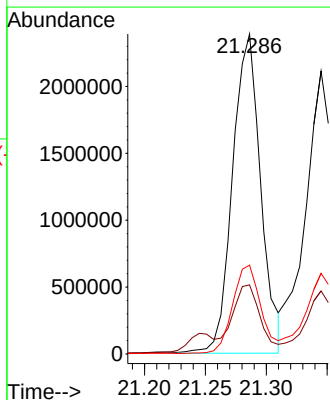
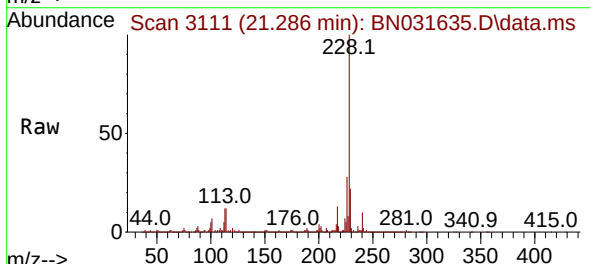
Manual Integrations
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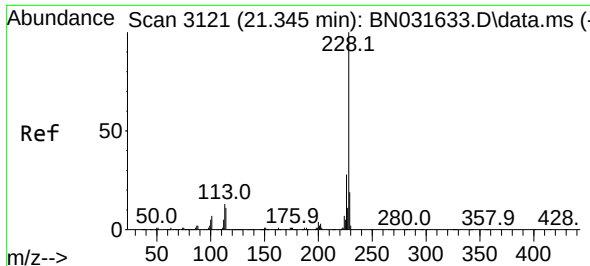
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024



#85
 Benzo(a)anthracene
 Concen: 44.819 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.000 min
 Lab File: BN031635.D
 Acq: 23 May 2024 16:56

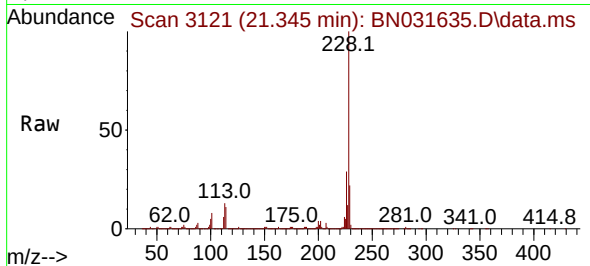
Tgt Ion:228 Resp: 3841686
 Ion Ratio Lower Upper
 228 100
 229 21.6 15.7 23.5
 226 27.7 21.9 32.9





#87
Chrysene
Concen: 42.940 ng/ul
RT: 21.345 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

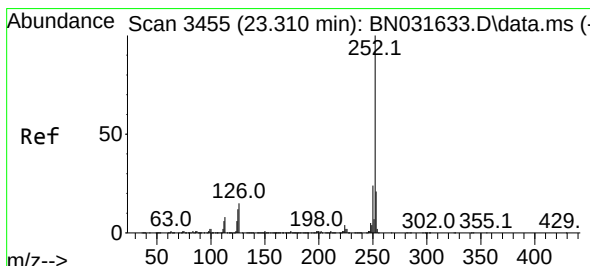
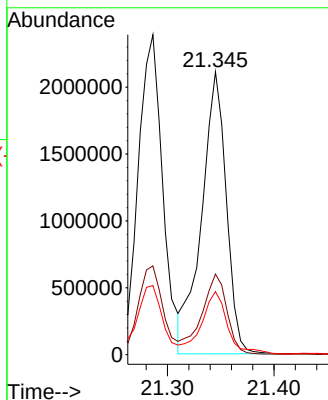
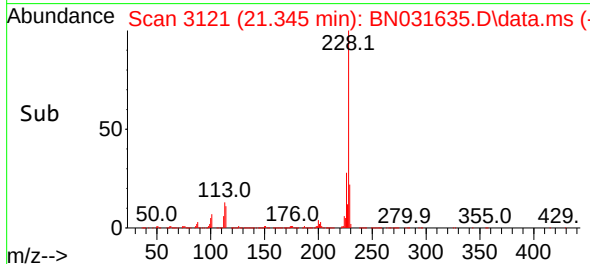
Instrument :
BNA_N
ClientSampleId :
BH5W9



Tgt Ion:228 Resp: 3399840
Ion Ratio Lower Upper
228 100
226 28.5 22.9 34.3
229 22.3 15.2 22.8

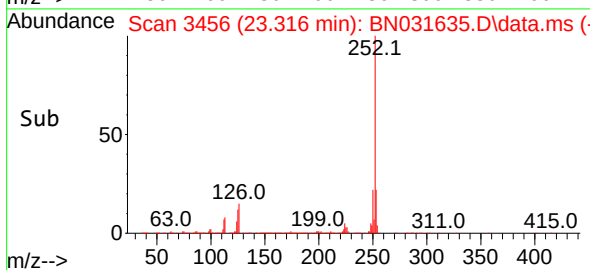
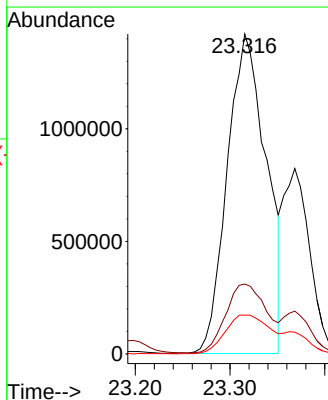
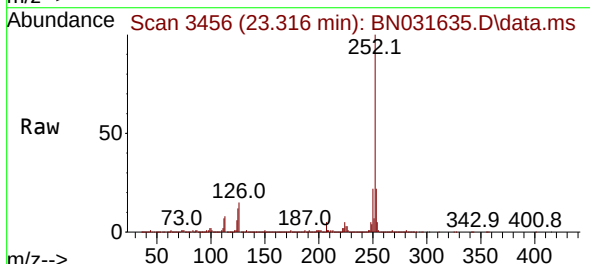
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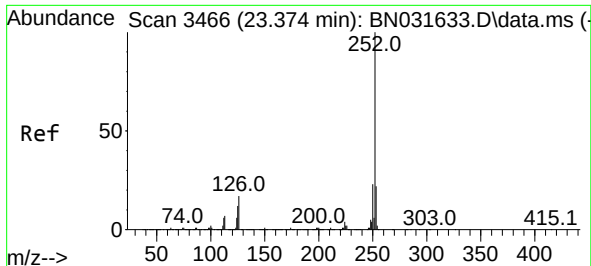
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#90
Benzo(b)fluoranthene
Concen: 48.066 ng/ul
RT: 23.316 min Scan# 3456
Delta R.T. 0.006 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

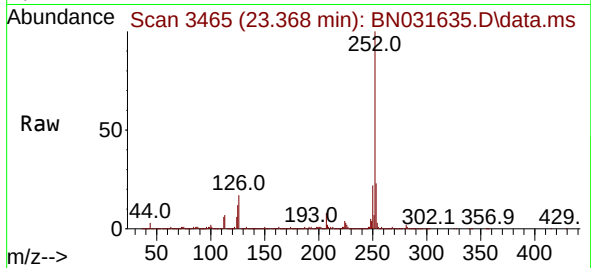
Tgt Ion:252 Resp: 4060055
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 12.2 9.3 13.9





#91
Benzo(k)fluoranthene
Concen: 18.188 ng/u1
RT: 23.368 min Scan# 3466
Delta R.T. 0.000 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

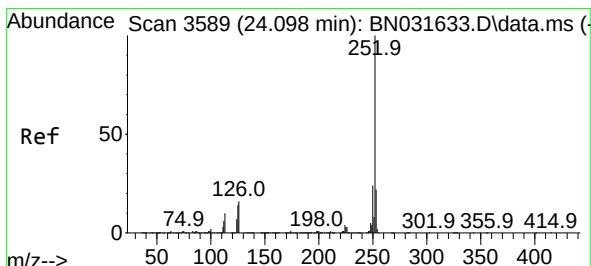
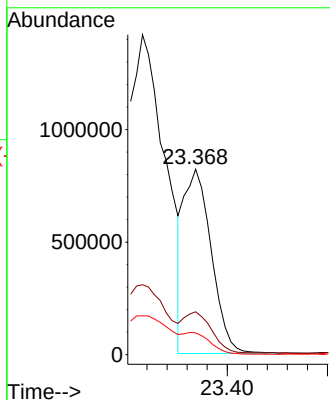
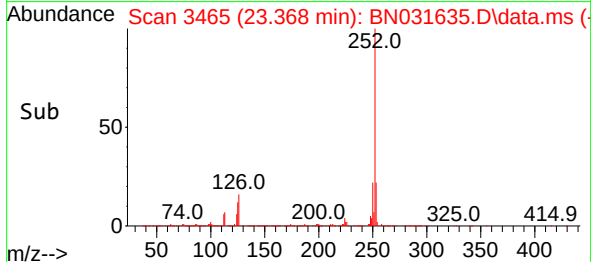
Instrument :
BNA_N
ClientSampleId :
BH5W9



Tgt Ion:252 Resp: 1566031
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.8 9.3 13.9

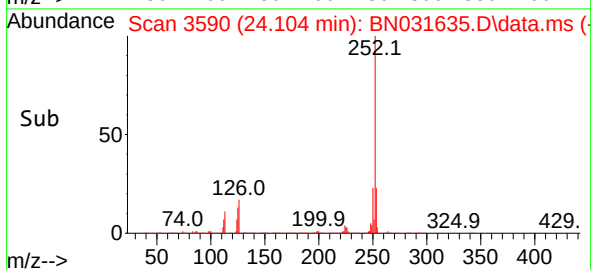
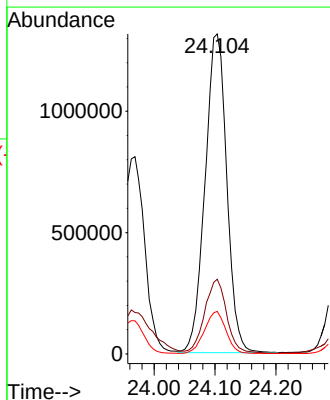
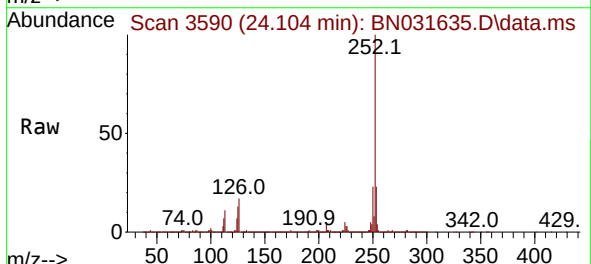
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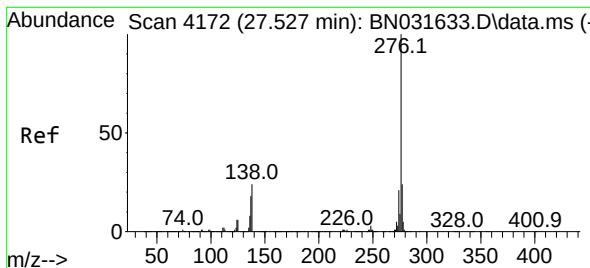
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#93
Benzo(a)pyrene
Concen: 40.064 ng/u1
RT: 24.104 min Scan# 3590
Delta R.T. 0.000 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

Tgt Ion:252 Resp: 3250807
Ion Ratio Lower Upper
252 100
253 23.3 16.6 24.8
125 13.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 22.133 ng/ul m

RT: 27.533 min Scan# 4173

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA_N

ClientSampleId :

BH5W9

Tgt Ion:276 Resp: 215533

Ion Ratio Lower Upper

276 100

138 25.5 19.8 29.6

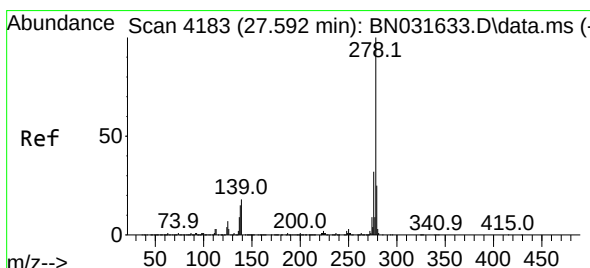
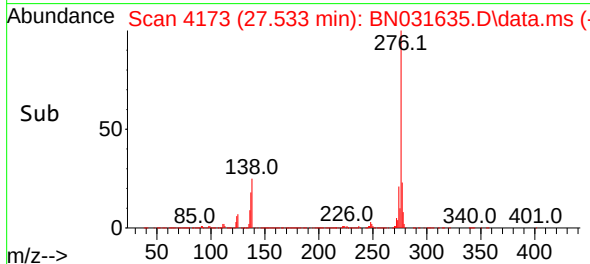
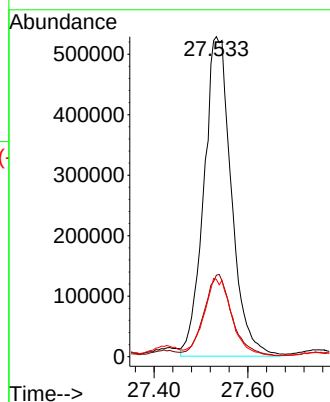
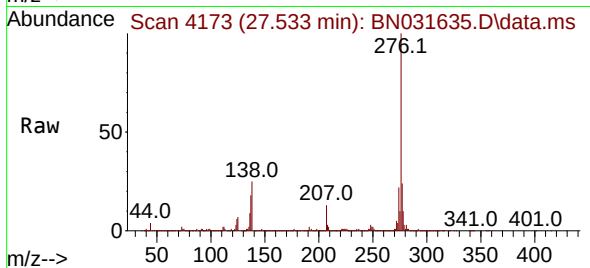
277 24.2 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.321 ng/ul m

RT: 27.580 min Scan# 4181

Delta R.T. -0.012 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

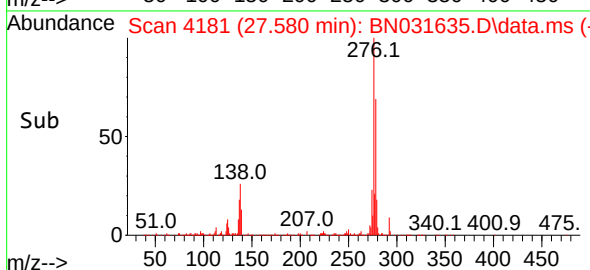
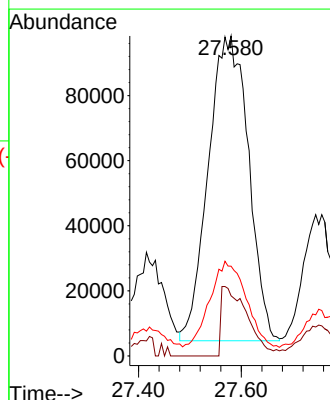
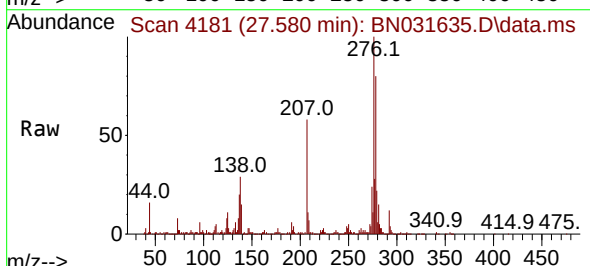
Tgt Ion:278 Resp: 506922

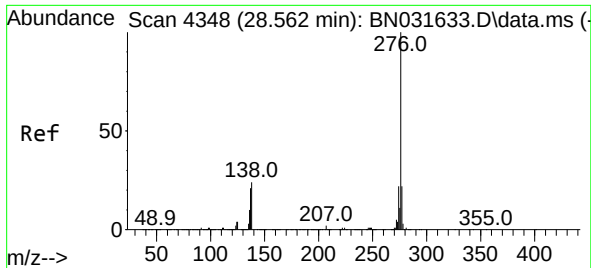
Ion Ratio Lower Upper

278 100

139 18.8 15.2 22.8

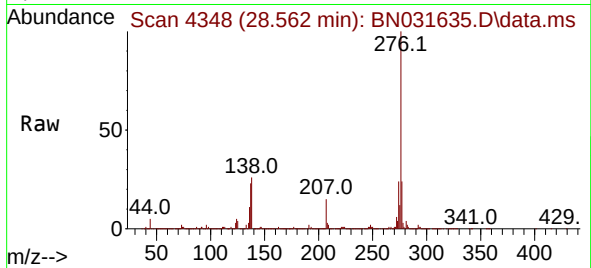
279 28.1 18.4 27.6#





#96
Benzo(g,h,i)perylene
Concen: 25.309 ng/ul
RT: 28.562 min Scan# 41
Delta R.T. 0.006 min
Lab File: BN031635.D
Acq: 23 May 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BH5W9



Tgt Ion:276 Resp: 203629
Ion Ratio Lower Upper
276 100
138 26.1 19.5 29.3
277 24.0 17.6 26.4

Manual Integrations
APPROVED

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

