

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031640.D
 Acq On : 23 May 2024 20:13
 Operator : MA/JU
 Sample : P2547-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5N9

Manual Integrations
 APPROVED

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

Quant Time: May 23 23:35:31 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	396635	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1509463	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	808425	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	1524440	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1400198	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1724853	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	27789	2.777	ng/uL	0.00
4) Pyridine-d5	3.605	84	301779	10.807	ng/u1	0.00
7) Phenol-d5	6.852	99	545711	16.714	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	326429	16.669	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	439741	17.479	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	380133	15.039	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	197170	17.259	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	179423	16.447	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	361369	16.942	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	296296	9.637	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	967194	18.984	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	1190444	18.643	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	126541	13.127	ng/u1	0.00
60) Fluorene-d10	15.322	176	834173	18.893	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	62440	9.474	ng/u1	0.00
73) Anthracene-d10	17.169	188	1302211	20.179	ng/u1	0.00
81) Pyrene-d10	19.469	212	1539449	17.528	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	1648570	20.305	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.510	105	95003	2.410	ng/u1	98
30) Naphthalene	10.522	128	126536	1.629	ng/u1	98
37) 1-Methylnaphthalene	12.357	142	52842	1.050	ng/u1#	97
50) Acenaphthylene	14.045	152	218307	2.962	ng/u1	99
52) Acenaphthene	14.392	153	206372	4.321	ng/u1	93
56) Dibenzofuran	14.728	168	193788	3.039	ng/u1	100
61) Fluorene	15.375	166	226868	4.543	ng/u1	99
72) Phenanthrene	17.116	178	4824972	62.366	ng/u1	99
74) Anthracene	17.204	178	1020533	13.148	ng/u1	99
77) Carbazole	17.475	167	576385	8.702	ng/u1	99
78) Di-n-butylphthalate	18.045	149	148524	1.953	ng/u1	98
80) Fluoranthene	19.133	202	7667203	70.626	ng/u1	99
82) Pyrene	19.498	202	6644080	59.678	ng/u1	97
83) Butylbenzylphthalate	20.404	149	138342	3.661	ng/u1	98
85) Benzo(a)anthracene	21.286	228	3846497	40.852	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.221	149	267259	5.166	ng/u1	98
87) Chrysene	21.345	228	3641205m	41.865	ng/u1	
90) Benzo(b)fluoranthene	23.321	252	5094710	50.616	ng/u1	99
91) Benzo(k)fluoranthene	23.368	252	1726565	16.827	ng/u1	98
93) Benzo(a)pyrene	24.104	252	3639004	37.637	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.545	276	2543324	21.917	ng/u1	97
95) Dibenzo(a,h)anthracene	27.586	278	643688m	6.736	ng/u1	
96) Benzo(g,h,i)perylene	28.574	276	2390500	24.934	ng/u1	97

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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

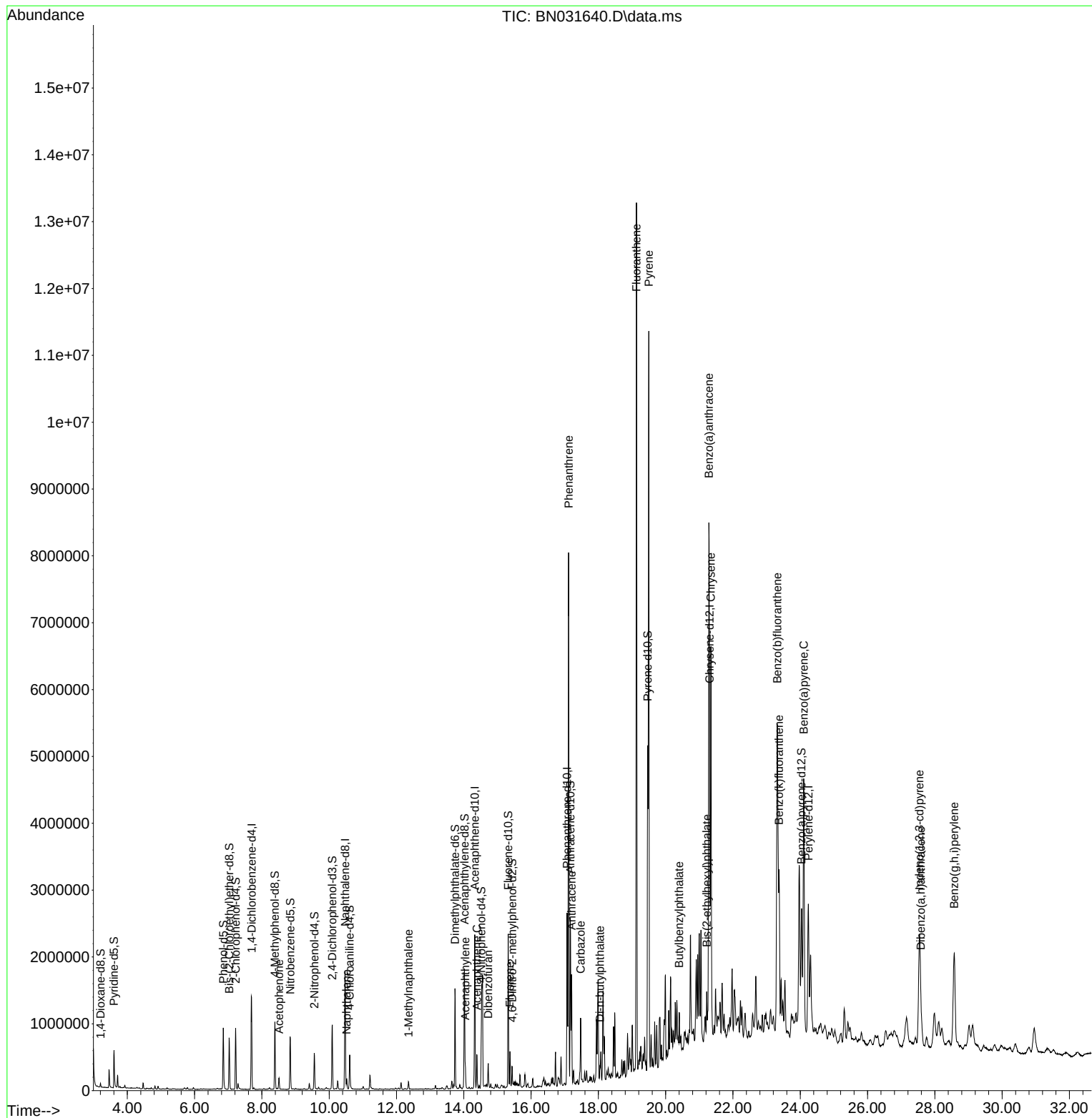
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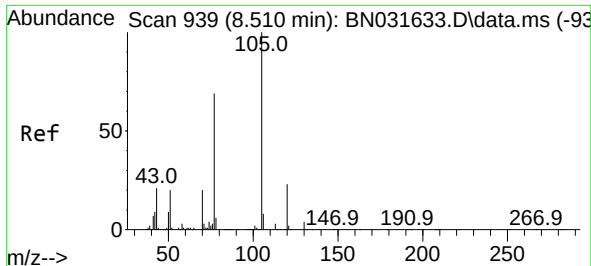
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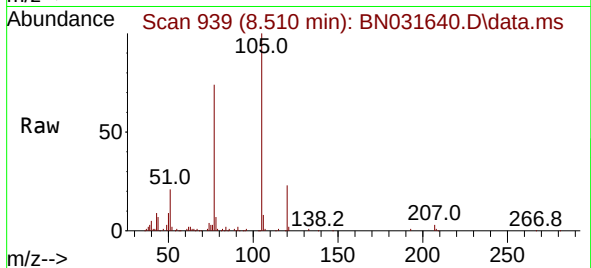
Quant Time: May 23 23:35:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
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#16
Acetophenone
Concen: 2.410 ng/ul
RT: 8.510 min Scan# 939
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

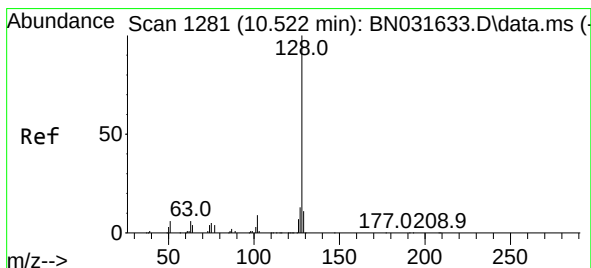
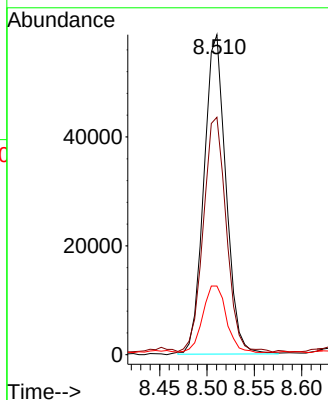
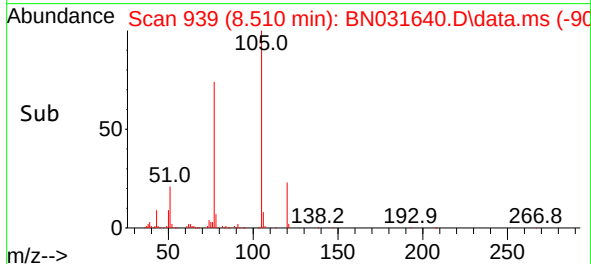
Instrument :
BNA_N
ClientSampleId :
BH5N9



Tgt Ion	Ratio	Lower	Upper
105	100		
77	74.2	60.7	91.1
51	21.4	18.6	28.0

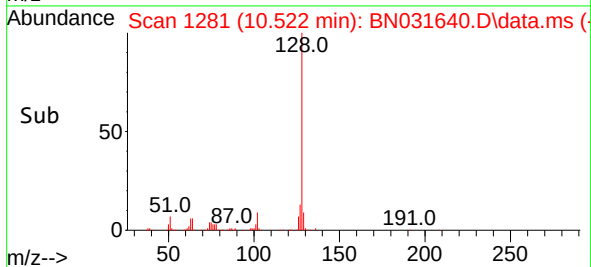
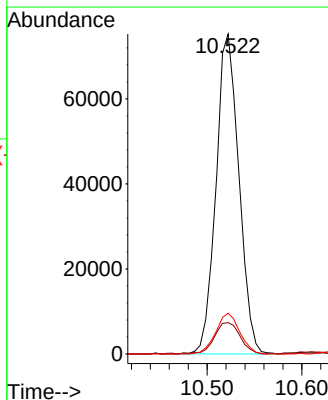
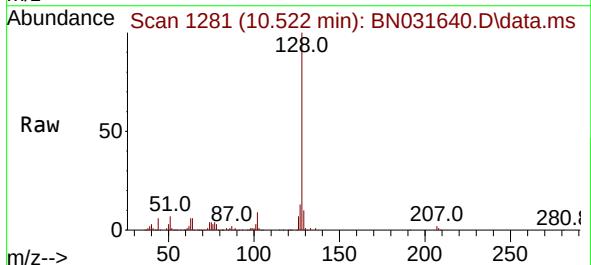
Manual Integrations
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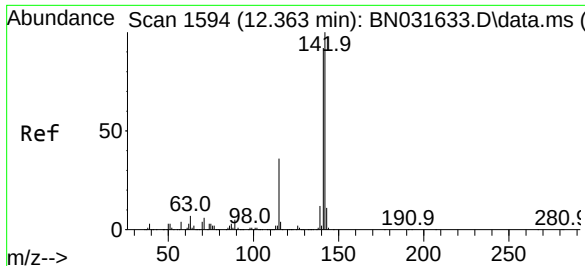
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#30
Naphthalene
Concen: 1.629 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

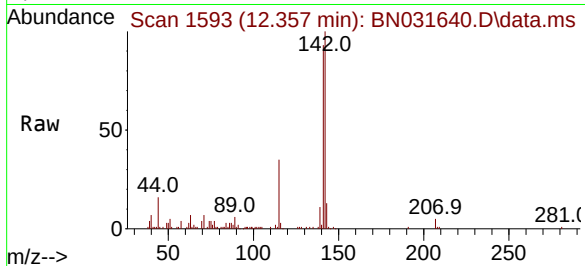
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	12.8	10.2	15.2





#37
1-Methylnaphthalene
Concen: 1.050 ng/ul
RT: 12.357 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

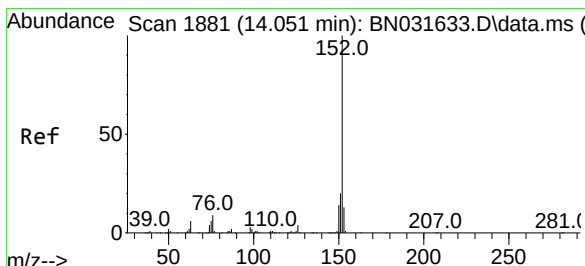
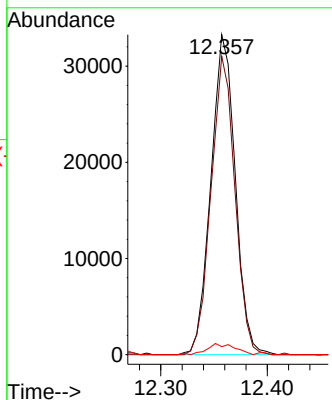
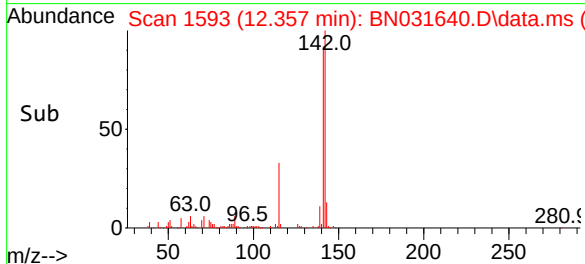
Instrument :
BNA_N
ClientSampleId :
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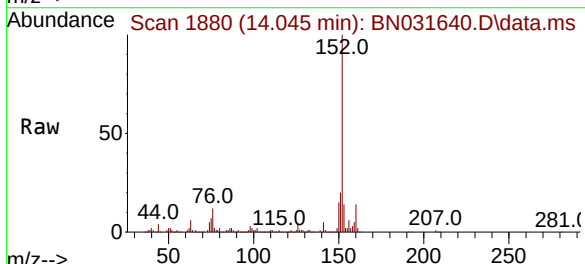
Tgt Ion:142 Resp: 5284
Ion Ratio Lower Upper
142 100
141 93.3 77.0 115.6
116 2.5 3.0 4.6

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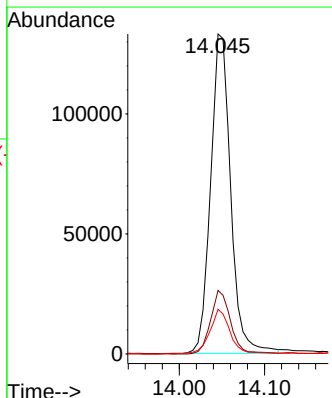
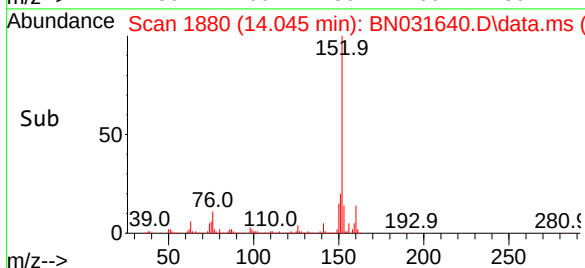
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

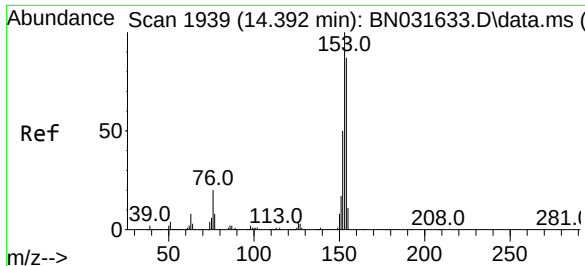


#50
Acenaphthylene
Concen: 2.962 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13



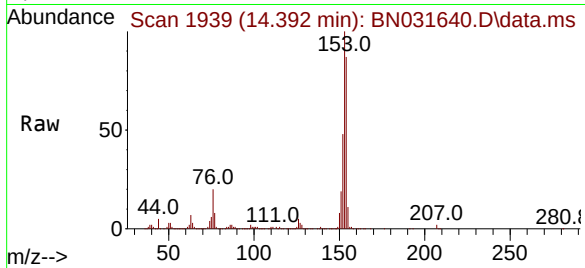
Tgt Ion:152 Resp: 218307
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 14.0 10.8 16.2





#52
Acenaphthene
Concen: 4.321 ng/ul
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

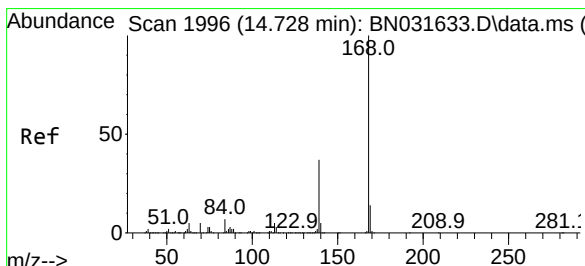
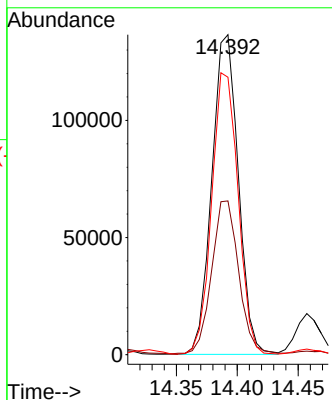
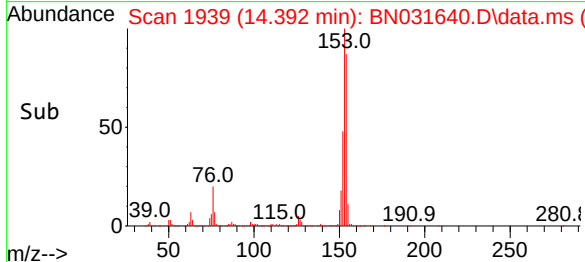
Instrument :
BNA_N
ClientSampleId :
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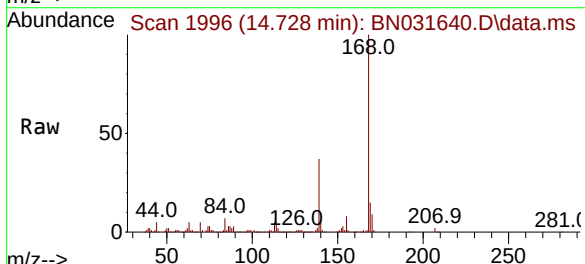
Tgt Ion:153 Resp: 206372
Ion Ratio Lower Upper
153 100
152 48.1 40.5 60.7
154 86.7 76.6 114.8

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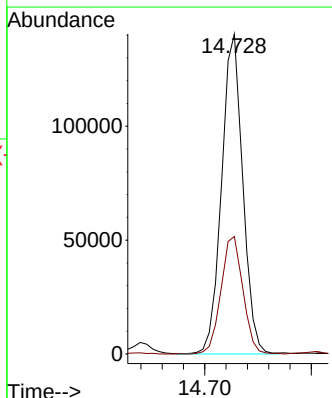
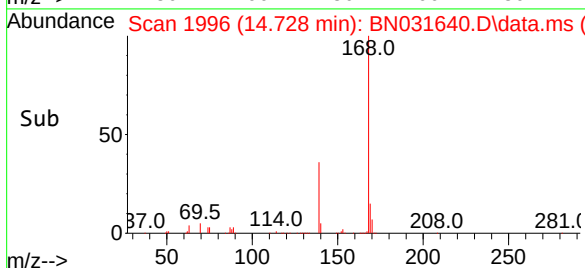
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

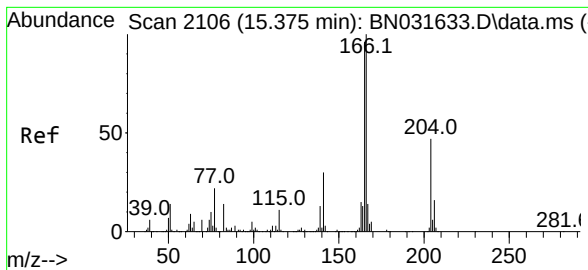


#56
Dibenzofuran
Concen: 3.039 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13



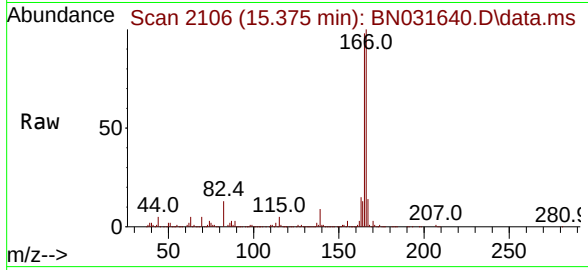
Tgt Ion:168 Resp: 193788
Ion Ratio Lower Upper
168 100
139 36.7 29.2 43.8





#61
Fluorene
Concen: 4.543 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

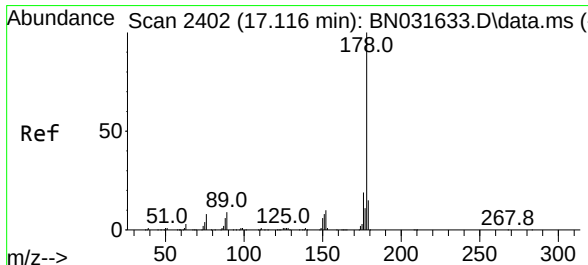
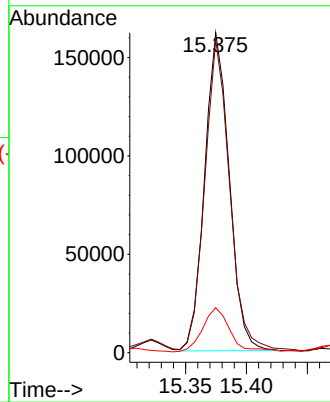
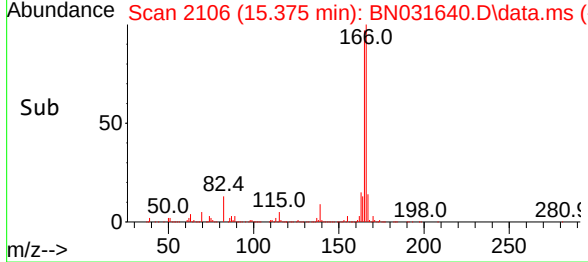
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:166 Resp: 226868
Ion Ratio Lower Upper
166 100
165 97.6 77.0 115.6
167 14.0 10.9 16.3

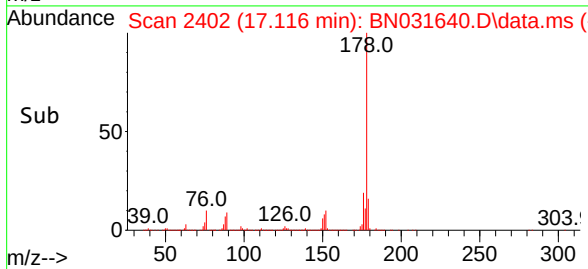
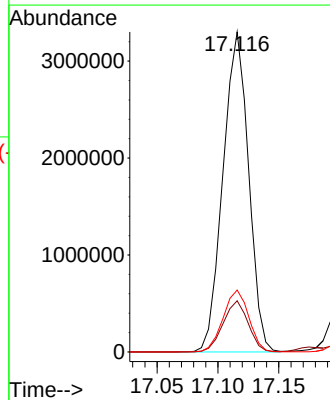
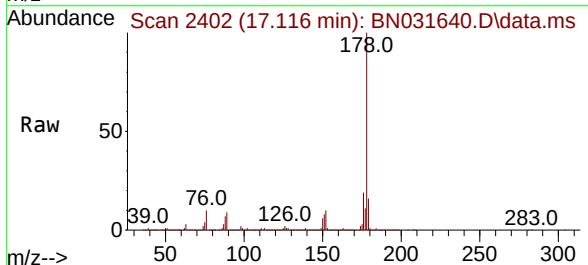
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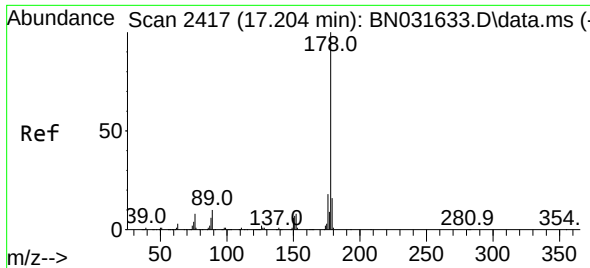
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#72
Phenanthrene
Concen: 62.366 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

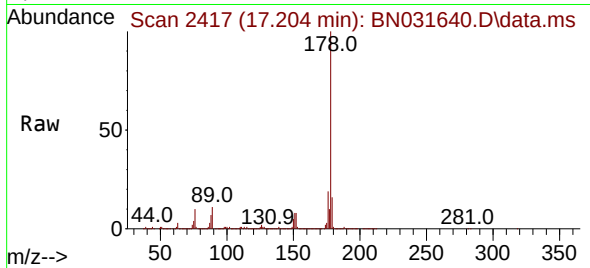
Tgt Ion:178 Resp: 4824972
Ion Ratio Lower Upper
178 100
179 16.0 12.6 18.8
176 19.3 15.2 22.8





#74
 Anthracene
 Concen: 13.148 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

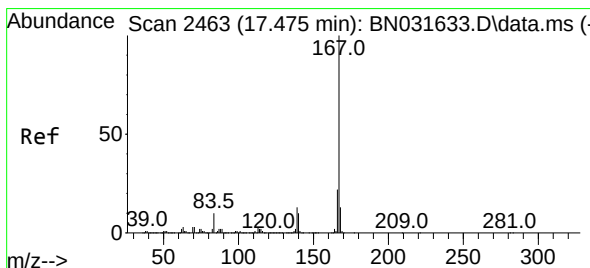
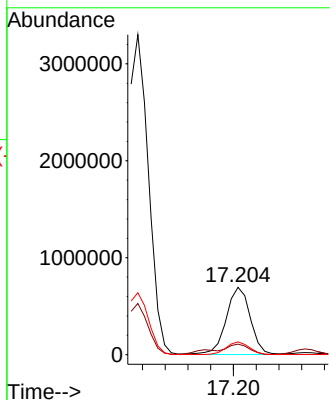
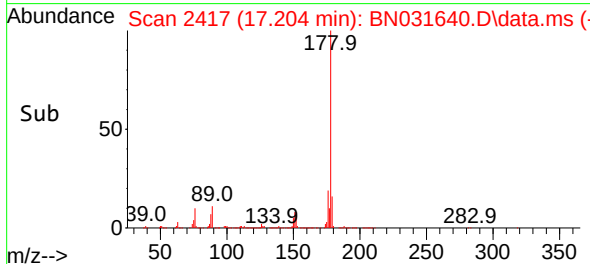
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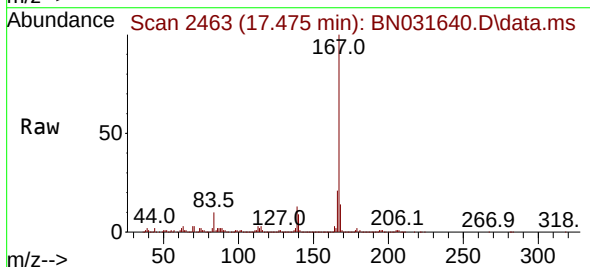
Tgt Ion:178 Resp: 1020533
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.9 17.9
 176 19.0 15.4 23.2

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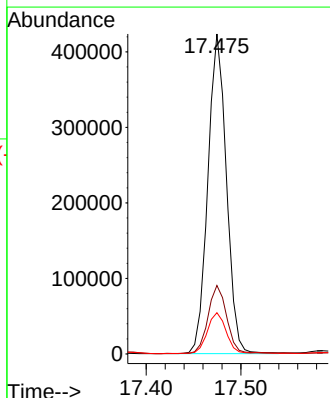
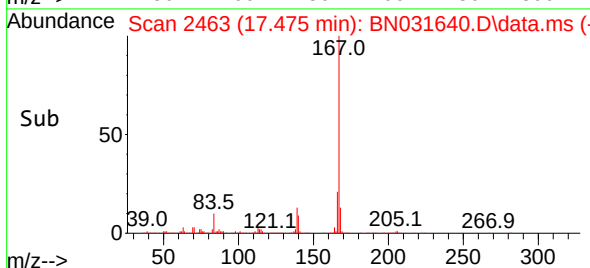
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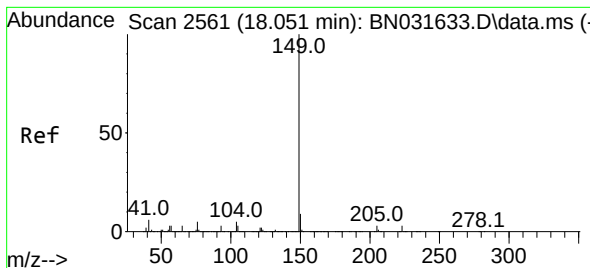


#77
 Carbazole
 Concen: 8.702 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13



Tgt Ion:167 Resp: 576385
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.7 25.1
 139 12.9 10.5 15.7





#78

Di-n-butylphthalate

Concen: 1.953 ng/ul

RT: 18.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

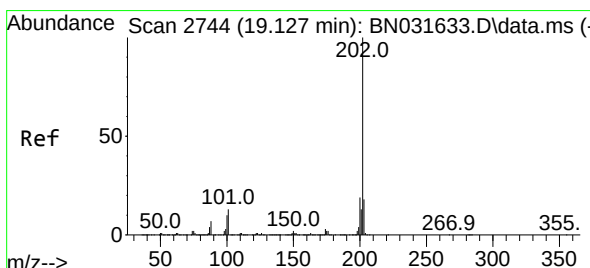
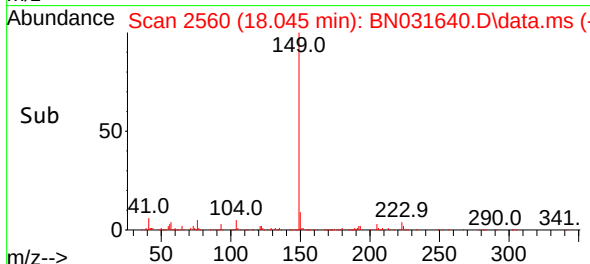
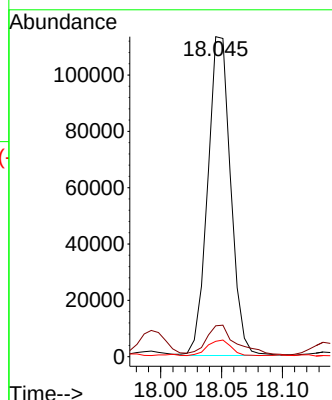
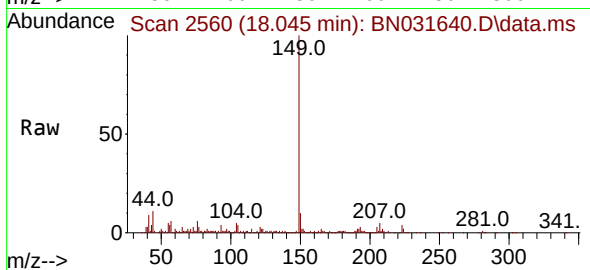
BH5N9

Tgt Ion:149 Resp: 148524
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.0 10.6
 104 4.8 4.2 6.2

Manual Integrations

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#80

Fluoranthene

Concen: 70.626 ng/ul

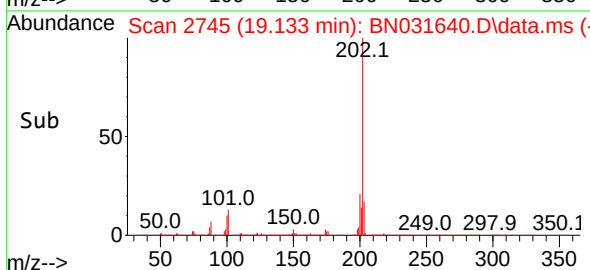
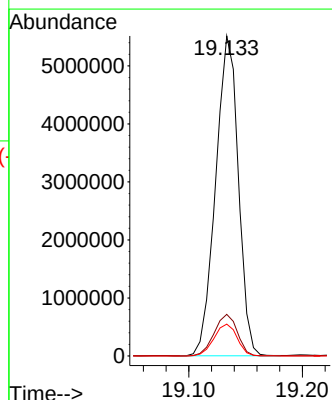
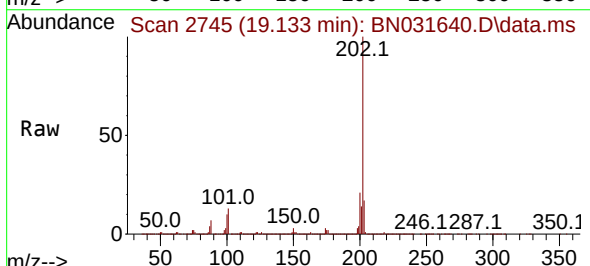
RT: 19.133 min Scan# 2745

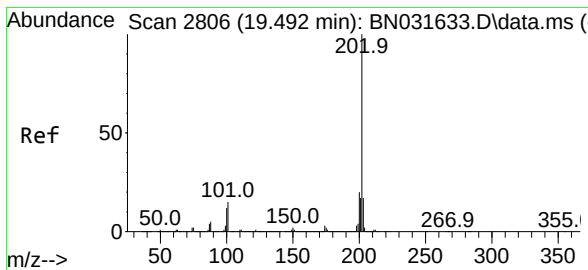
Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

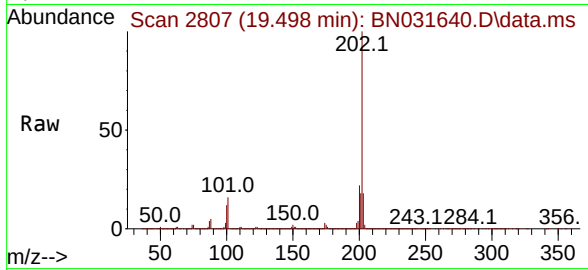
Tgt Ion:202 Resp: 7667203
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.1 15.1
 100 10.0 8.0 12.0





#82
Pyrene
Concen: 59.678 ng/ul
RT: 19.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

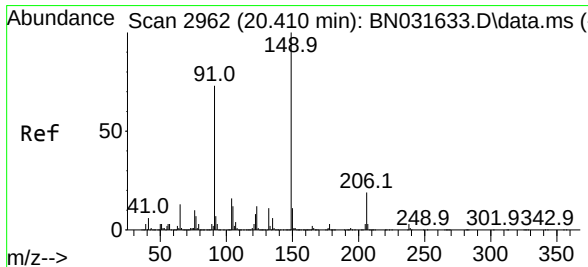
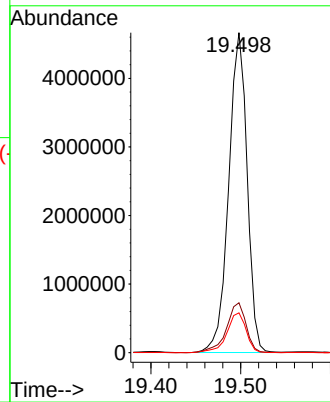
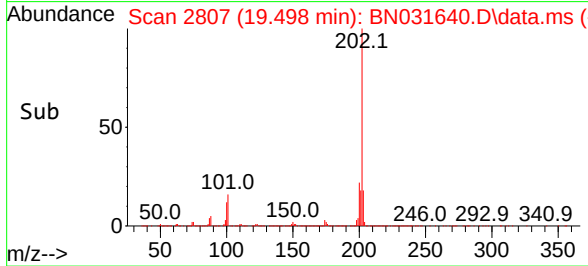
Instrument :
BNA_N
ClientSampleId :
BH5N9



Tgt Ion:202 Resp: 6644080
Ion Ratio Lower Upper
202 100
101 15.6 11.4 17.2
100 12.5 9.3 13.9

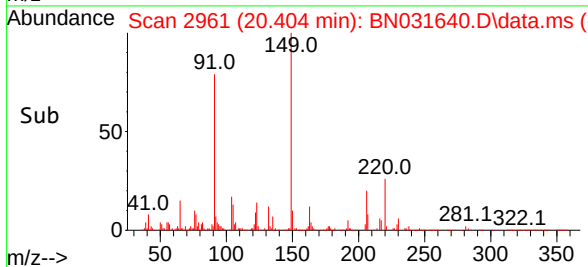
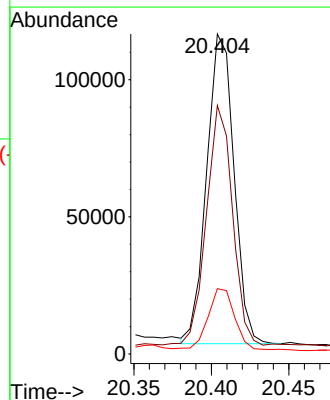
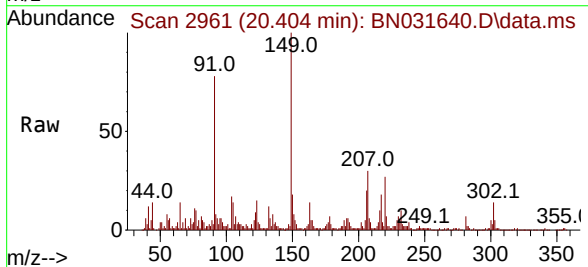
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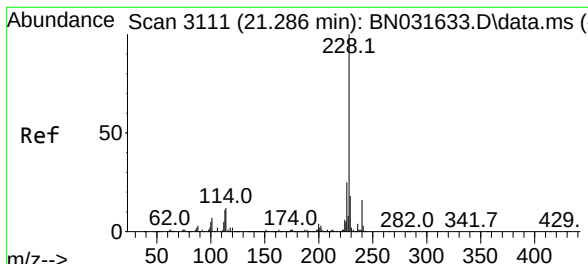
Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024



#83
Butylbenzylphthalate
Concen: 3.661 ng/ul
RT: 20.404 min Scan# 2961
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

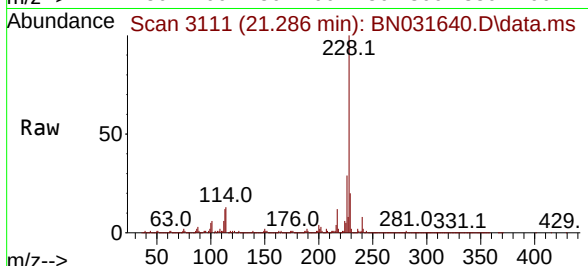
Tgt Ion:149 Resp: 138342
Ion Ratio Lower Upper
149 100
91 77.7 60.8 91.2
206 20.4 15.8 23.8





#85
 Benzo(a)anthracene
 Concen: 40.852 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

Instrument :
 BNA_N
 ClientSampleId :
 BH5N9

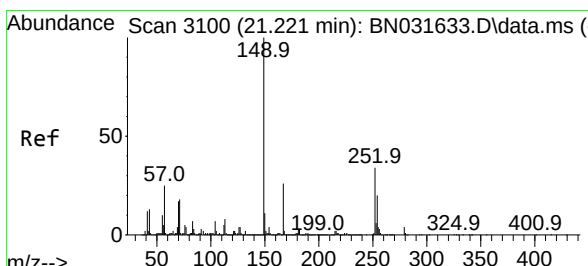
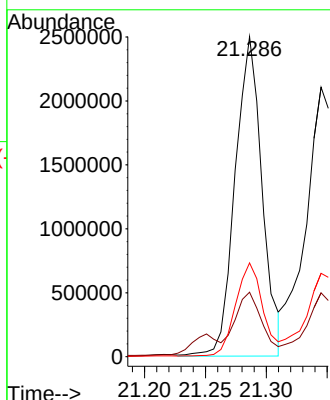
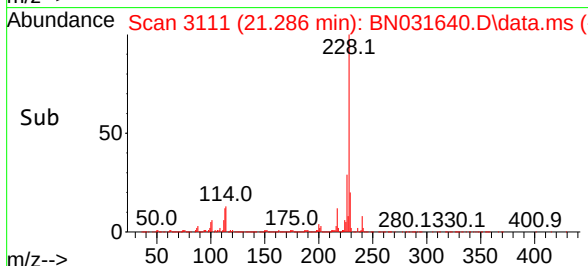


Tgt Ion:228 Resp: 384649

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	29.3	21.9	32.9

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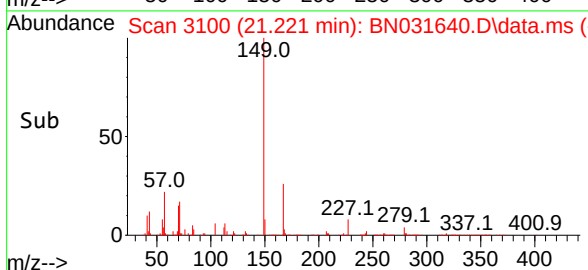
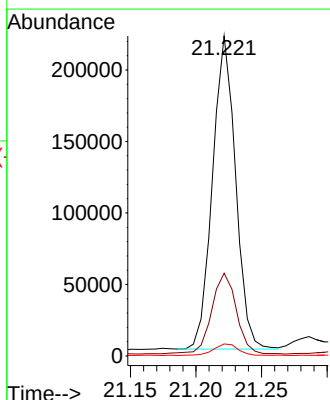
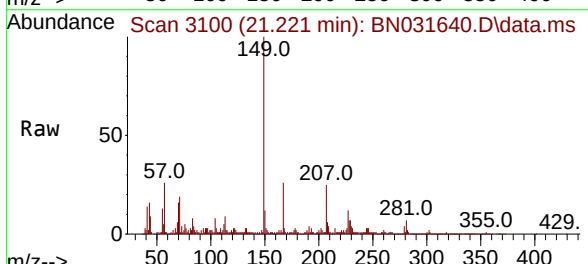
Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

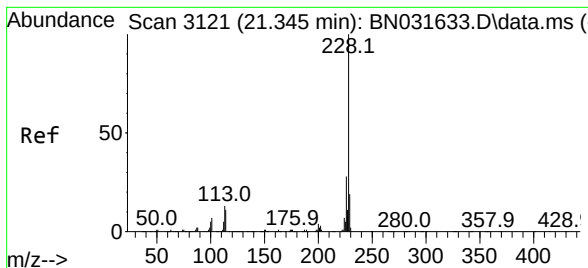


#86
 Bis(2-ethylhexyl)phthalate
 Concen: 5.166 ng/ul
 RT: 21.221 min Scan# 3100
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

Tgt Ion:149 Resp: 267259

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.6	32.4
279	3.8	2.8	4.2





#87

Chrysene

Concen: 41.865 ng/ul m

RT: 21.345 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

Tgt Ion:228 Resp: 364120

Ion Ratio Lower Upper

228 100

226 31.0 22.9 34.3

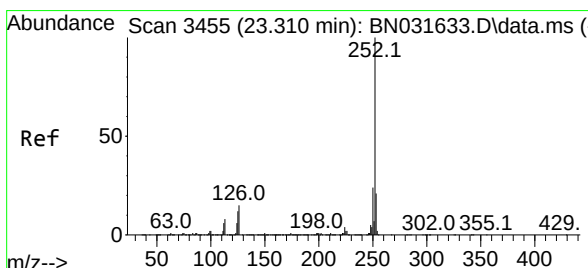
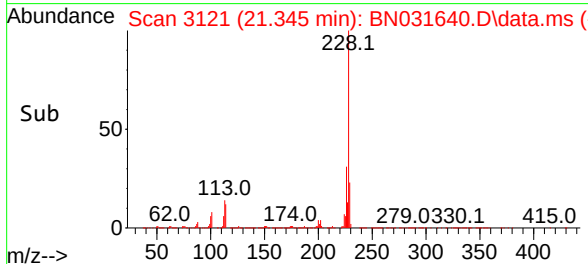
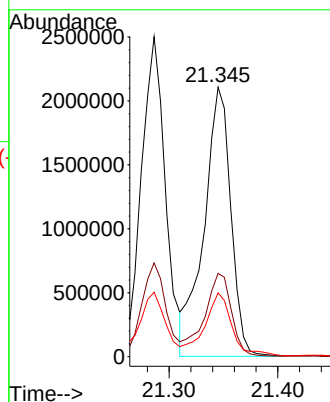
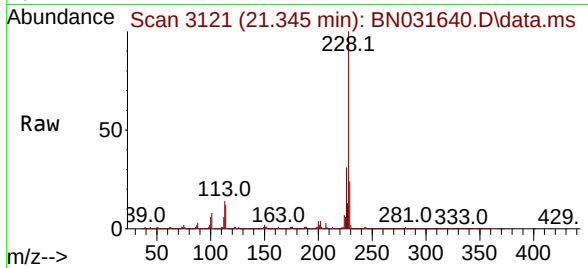
229 23.7 15.2 22.8

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Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#90

Benzo(b)fluoranthene

Concen: 50.616 ng/ul

RT: 23.321 min Scan# 3457

Delta R.T. 0.012 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

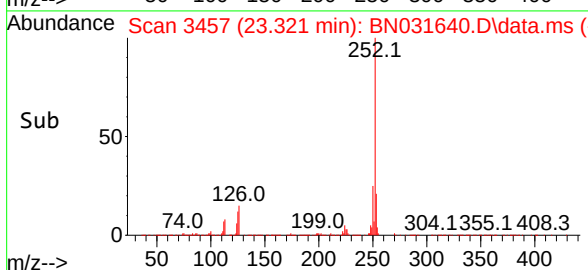
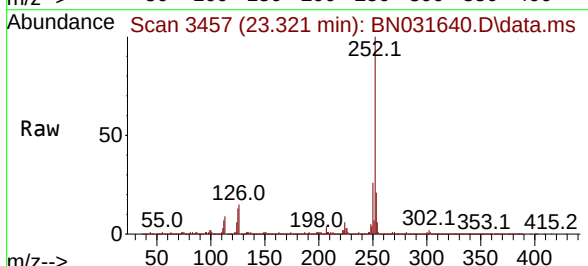
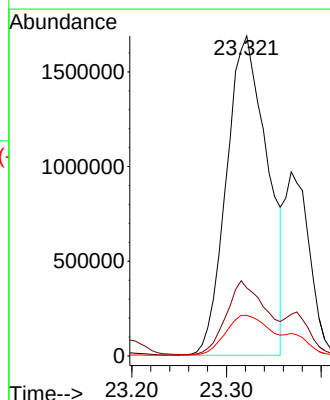
Tgt Ion:252 Resp: 5094710

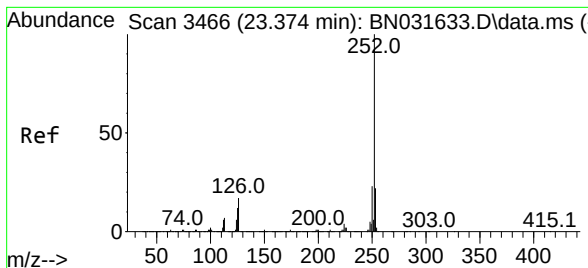
Ion Ratio Lower Upper

252 100

253 21.2 16.8 25.2

125 12.7 9.3 13.9





#91

Benzo(k)fluoranthene

Concen: 16.827 ng/ul

RT: 23.368 min Scan# 3466

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

Tgt Ion:252 Resp: 172656

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

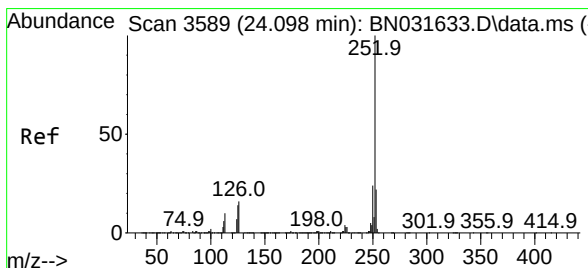
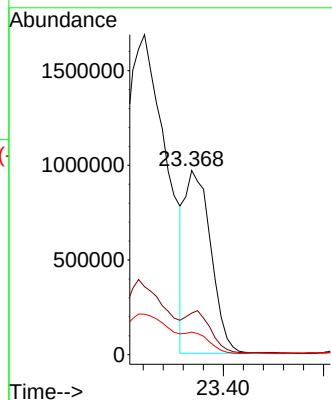
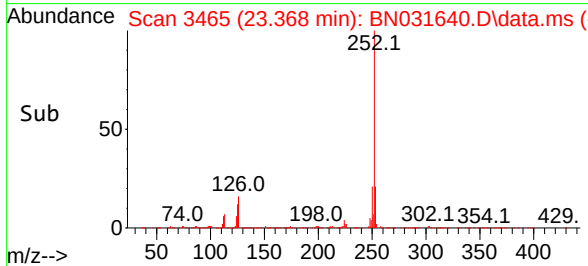
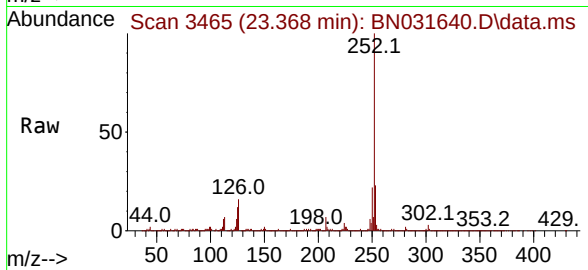
125 12.3 9.3 13.9

Manual Integrations

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Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#93

Benzo(a)pyrene

Concen: 37.637 ng/ul

RT: 24.104 min Scan# 3590

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

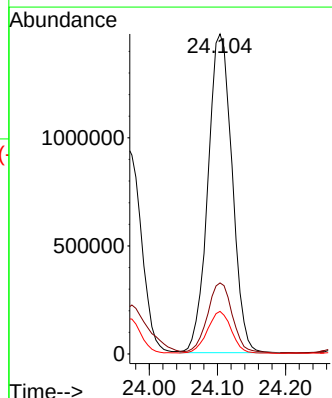
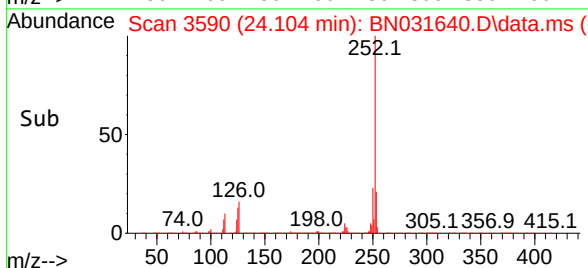
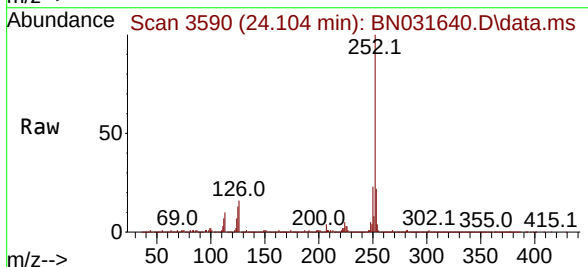
Tgt Ion:252 Resp: 3639004

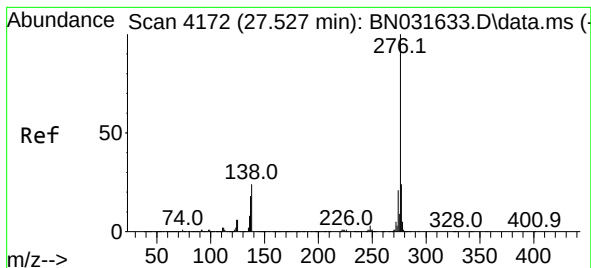
Ion Ratio Lower Upper

252 100

253 22.2 16.6 24.8

125 13.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.917 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

Tgt Ion:276 Resp: 2543324

Ion Ratio Lower Upper

276 100

138 25.0 19.8 29.6

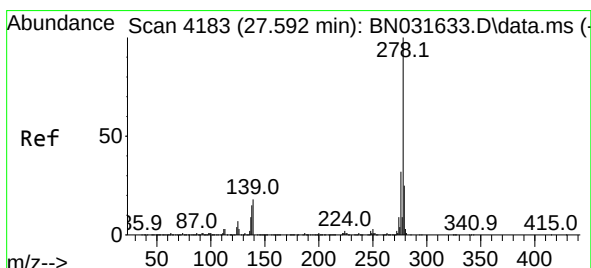
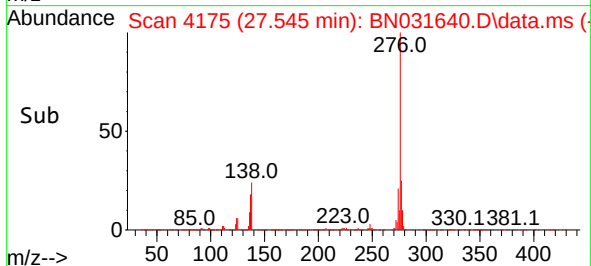
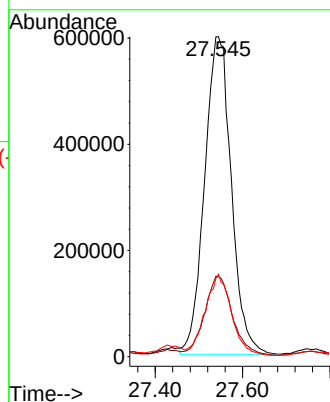
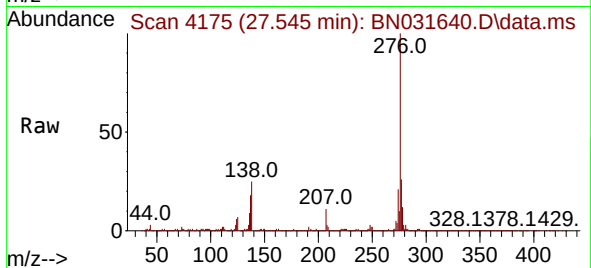
277 25.7 18.2 27.4

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Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.736 ng/ul m

RT: 27.586 min Scan# 4182

Delta R.T. -0.006 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

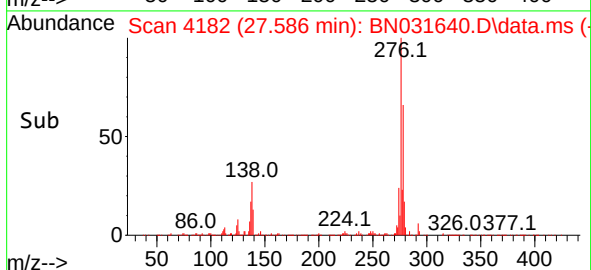
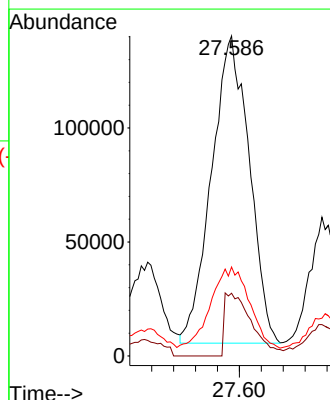
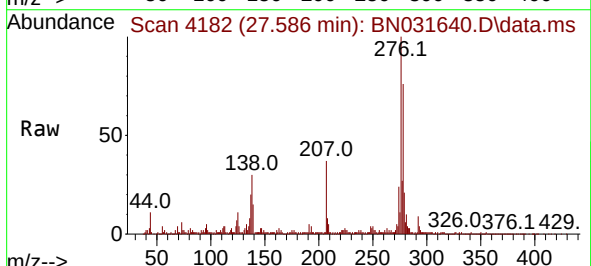
Tgt Ion:278 Resp: 643688

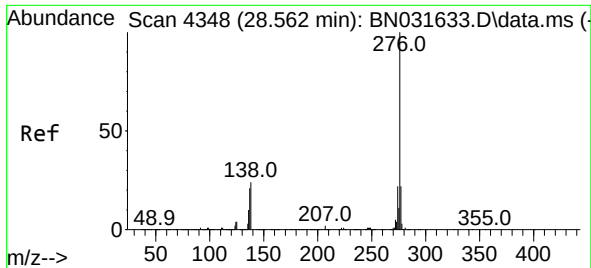
Ion Ratio Lower Upper

278 100

139 19.6 15.2 22.8

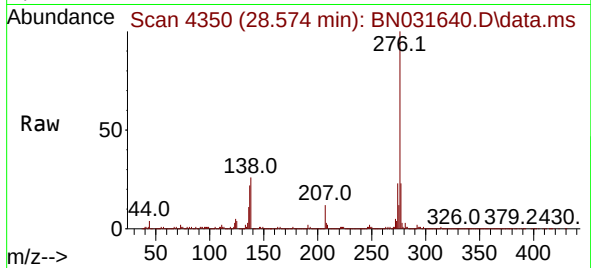
279 27.8 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 24.934 ng/ul
 RT: 28.574 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

Instrument :
 BNA_N
 ClientSampleId :
 BH5N9



Tgt Ion:276 Resp: 2390500

Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.5	29.3
277	23.5	17.6	26.4

Manual Integrations
 APPROVED

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

