

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031747.D
 Acq On : 31 May 2024 18:16
 Operator : MA/JU
 Sample : P2549-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH625

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 04:05:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	467975	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	2032153	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1188619	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2142054	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1216014	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1376879	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	55953	4.946	ng/uL	0.00
4) Pyridine-d5	3.593	84	601082	18.877	ng/u1	0.00
7) Phenol-d5	6.852	99	1075492	26.808	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	601896	25.649	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	852066	27.835	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	803753	24.578	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	438194	28.202	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	470569	29.318	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	794947	26.530	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	698741	15.706	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2304086	27.825	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2697891	28.335	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	382611	23.077	ng/u1	0.00
60) Fluorene-d10	15.322	176	1917216	27.364	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	182890	16.986	ng/u1	0.00
73) Anthracene-d10	17.169	188	2543797	27.738	ng/u1	0.00
81) Pyrene-d10	19.469	212	2375715	36.509	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	1898559	28.877	ng/u1	0.00
Target Compounds	Qvalue					
6) Benzaldehyde	6.834	77	52647	2.798	ng/u1	97
50) Acenaphthylene	14.045	152	149902	1.393	ng/u1	99
72) Phenanthrene	17.110	178	1024758	9.391	ng/u1	98
74) Anthracene	17.204	178	188555	1.705	ng/u1	98
78) Di-n-butylphthalate	18.045	149	148240	1.143	ng/u1	99
80) Fluoranthene	19.133	202	2255822	29.007	ng/u1	99
82) Pyrene	19.498	202	2014416	25.247	ng/u1	98
83) Butylbenzylphthalate	20.404	149	57699m	1.531	ng/u1	
85) Benzo(a)anthracene	21.286	228	911751	11.202	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	261048	4.752	ng/u1	99
87) Chrysene	21.351	228	1011473	13.304	ng/u1	96
90) Benzo(b)fluoranthene	23.316	252	1353964	16.452	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	477014m	5.907	ng/u1	
93) Benzo(a)pyrene	24.110	252	953392	12.369	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.545	276	708700	7.979	ng/u1	97
95) Dibenzo(a,h)anthracene	27.598	278	189032m	2.607	ng/u1	
96) Benzo(g,h,i)perylene	28.586	276	658719	9.329	ng/u1	99

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

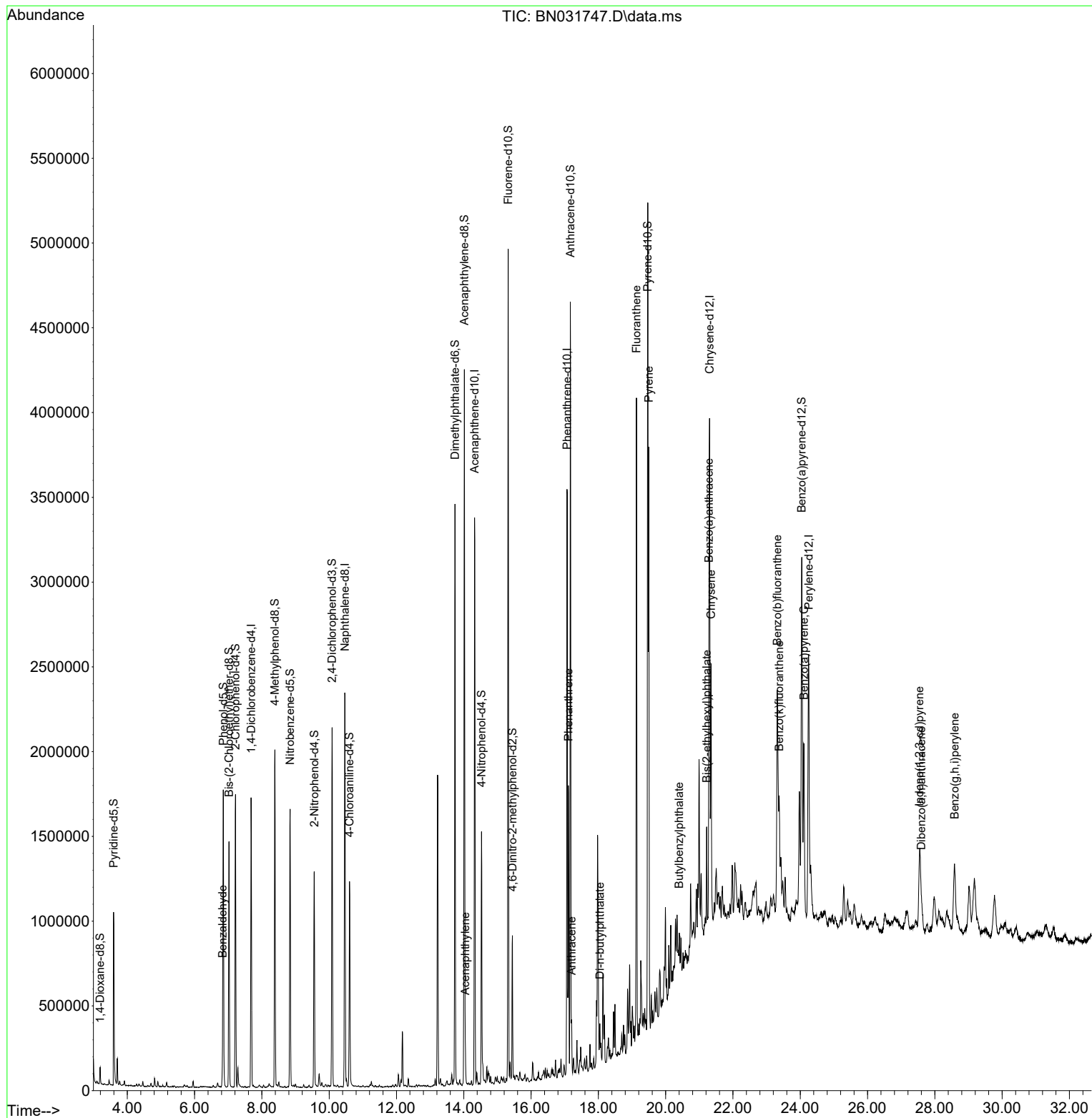
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
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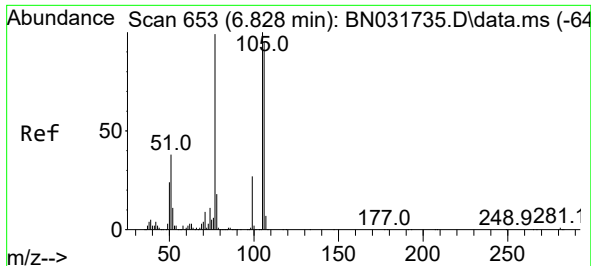
Instrument :
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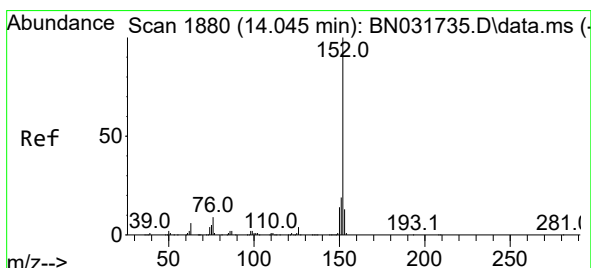
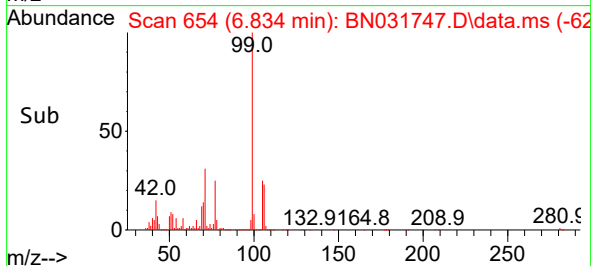
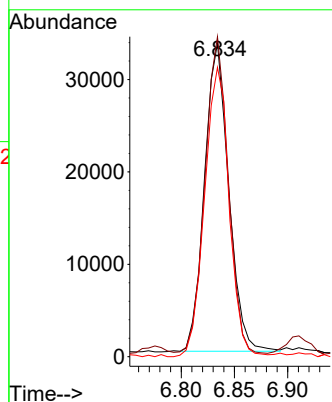
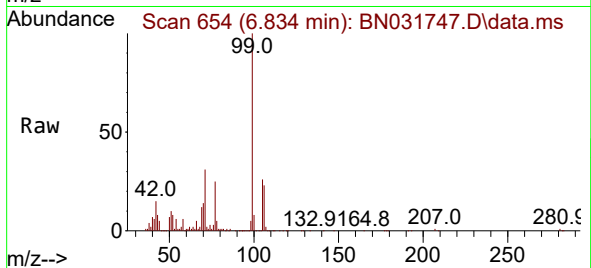
#6
Benzaldehyde
Concen: 2.798 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN031747.D
Acq: 31 May 2024 18:16

Instrument :
BNA_N
ClientSampleId :
BH625

Tgt Ion: 77 Resp: 5264
Ion Ratio Lower Upper
77 100
105 102.1 80.2 120.4
106 92.3 76.8 115.2

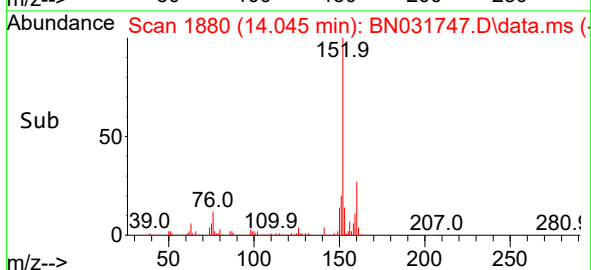
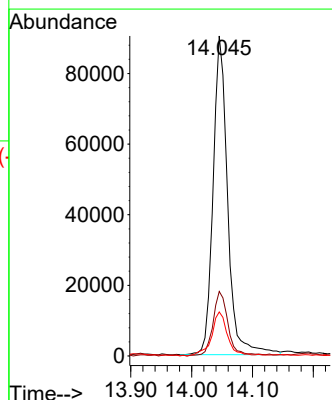
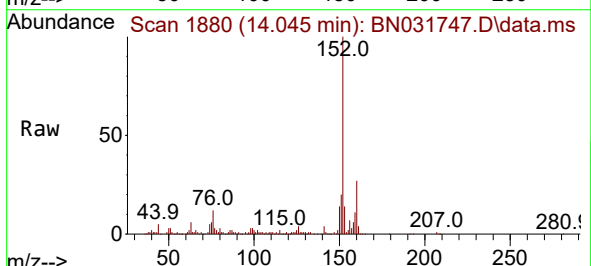
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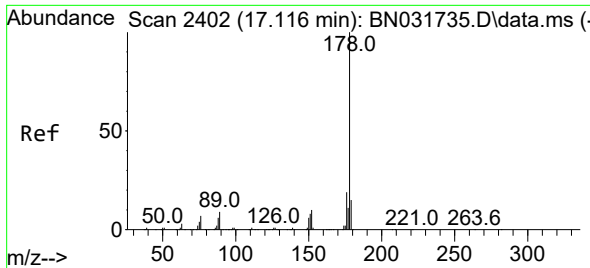
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#50
Acenaphthylene
Concen: 1.393 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BN031747.D
Acq: 31 May 2024 18:16

Tgt Ion:152 Resp: 149902
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.8 10.4 15.6





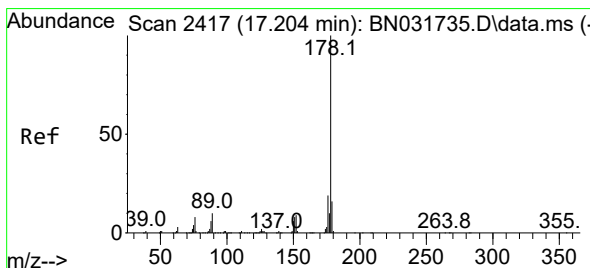
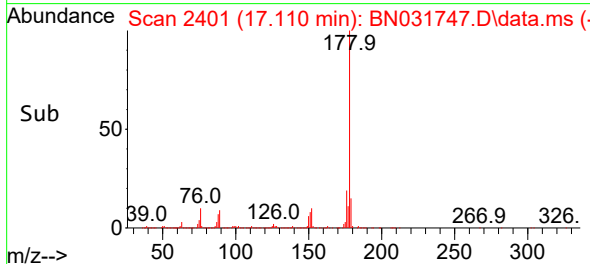
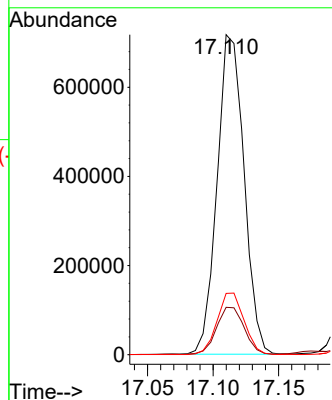
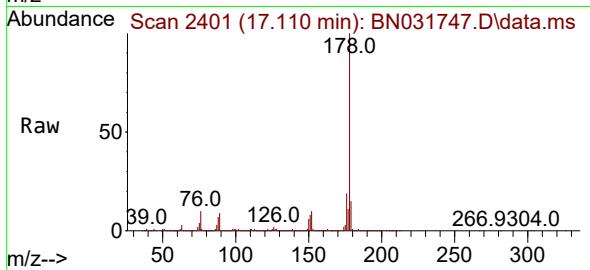
#72
Phenanthrene
Concen: 9.391 ng/ul
RT: 17.110 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BN031747.D
Acq: 31 May 2024 18:16

Instrument :
BNA_N
ClientSampleId :
BH625

Tgt Ion:178 Resp: 1024758
Ion Ratio Lower Upper
178 100
179 14.8 12.6 19.0
176 19.2 15.8 23.6

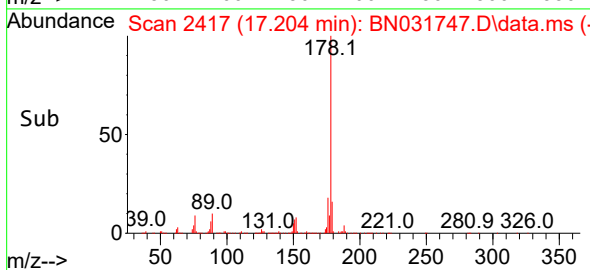
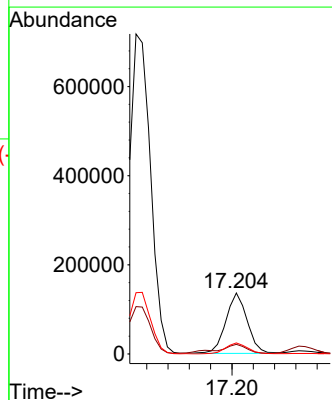
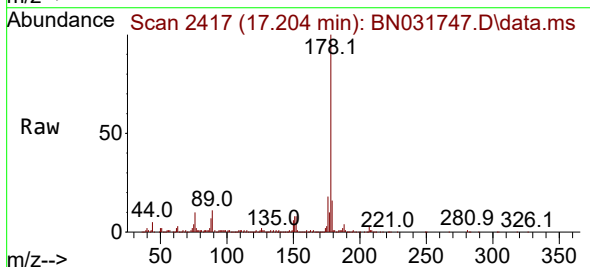
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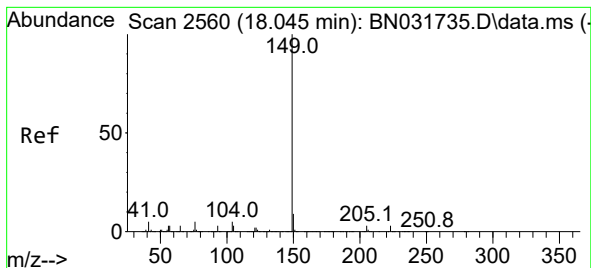
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#74
Anthracene
Concen: 1.705 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN031747.D
Acq: 31 May 2024 18:16

Tgt Ion:178 Resp: 188555
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.6
176 18.2 14.8 22.2





#78

Di-n-butylphthalate

Concen: 1.143 ng/ul

RT: 18.045 min Scan# 2560

Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

Instrument :

BNA_N

ClientSampleId :

BH625

Tgt Ion:149 Resp: 148240

Ion Ratio Lower Upper

149 100

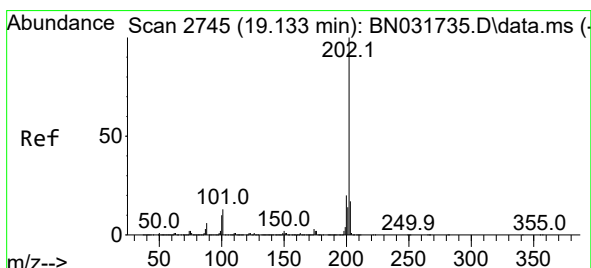
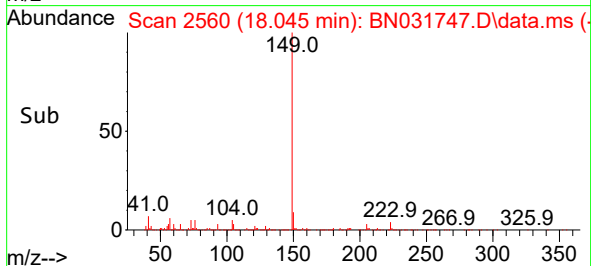
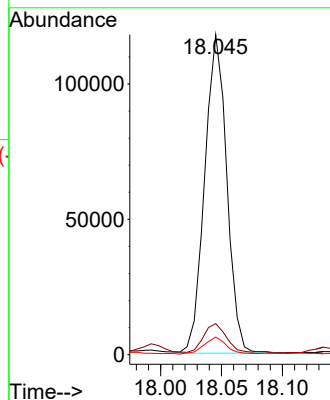
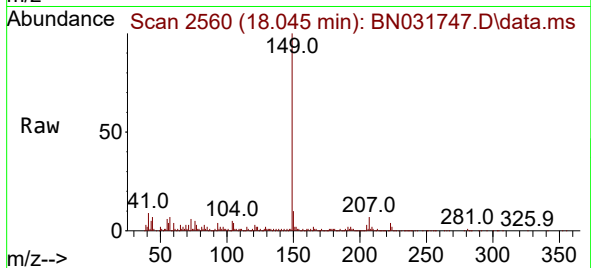
150 9.7 7.4 11.0

104 5.5 4.1 6.1

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#80

Fluoranthene

Concen: 29.007 ng/ul

RT: 19.133 min Scan# 2745

Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

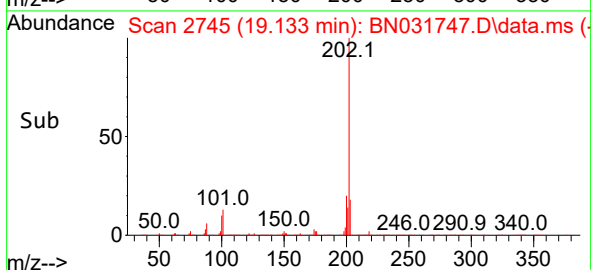
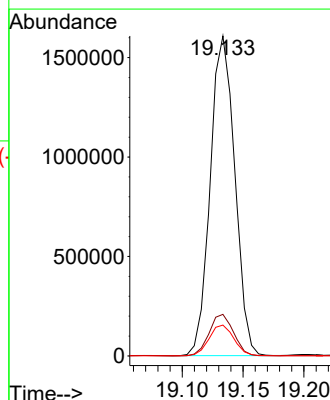
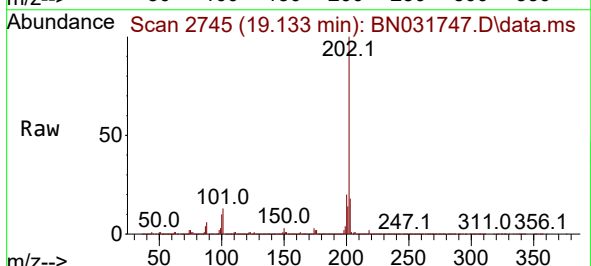
Tgt Ion:202 Resp: 2255822

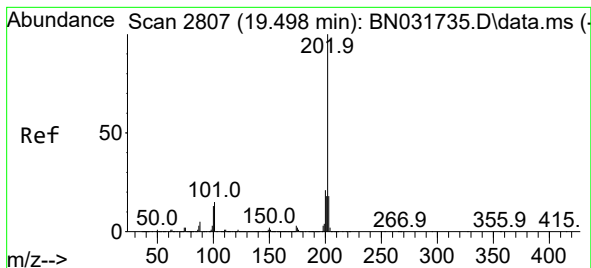
Ion Ratio Lower Upper

202 100

101 13.0 10.3 15.5

100 9.7 8.0 12.0





#82

Pyrene

Concen: 25.247 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

Instrument :

BNA_N

ClientSampleId :

BH625

Tgt Ion:202 Resp: 2014410

Ion Ratio Lower Upper

202 100

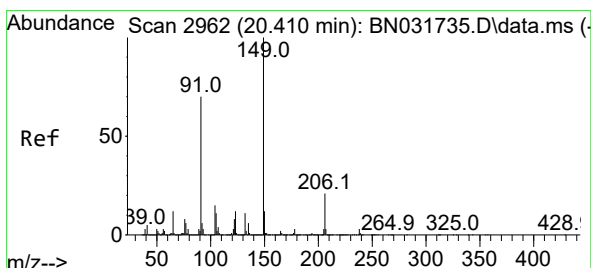
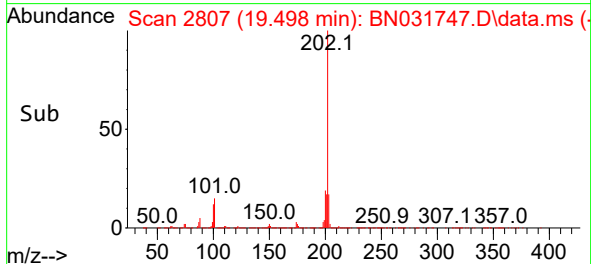
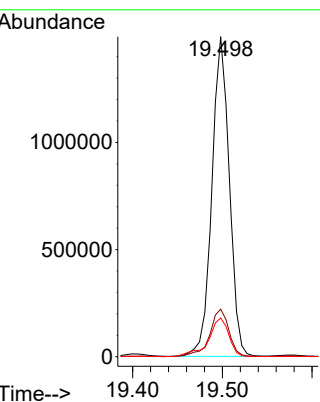
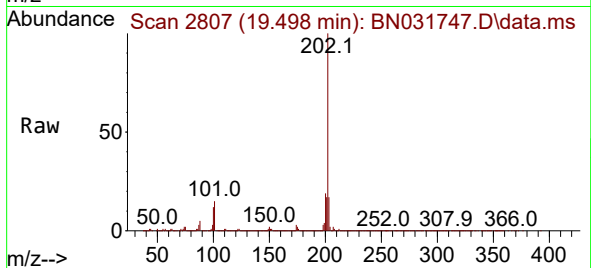
101 14.9 12.6 18.8

100 12.1 10.2 15.2

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#83

Butylbenzylphthalate

Concen: 1.531 ng/ul m

RT: 20.404 min Scan# 2961

Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

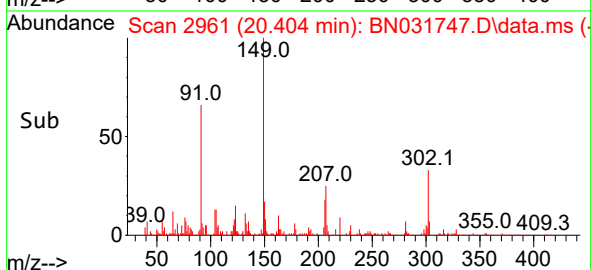
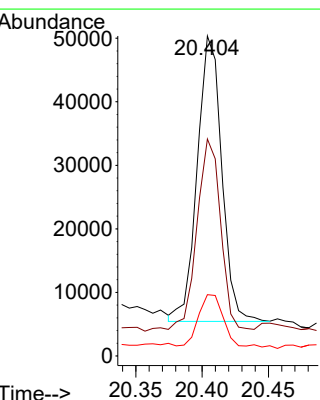
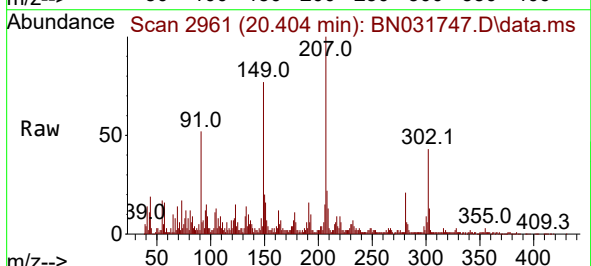
Tgt Ion:149 Resp: 57699

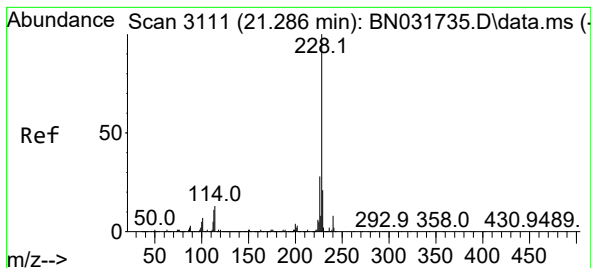
Ion Ratio Lower Upper

149 100

91 67.8 61.0 91.4

206 19.1 16.5 24.7





#85

Benzo(a)anthracene

Concen: 11.202 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

Instrument :

BNA_N

ClientSampleId :

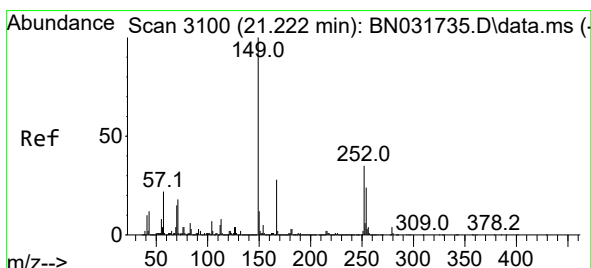
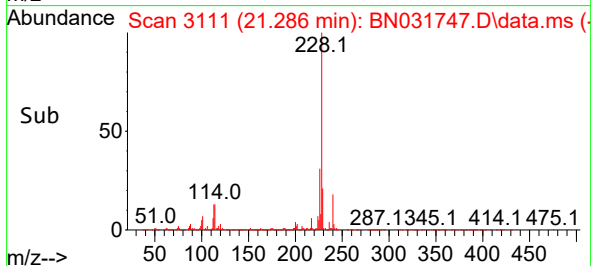
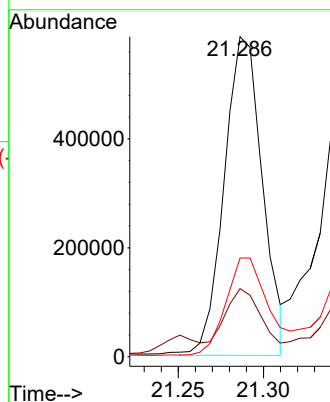
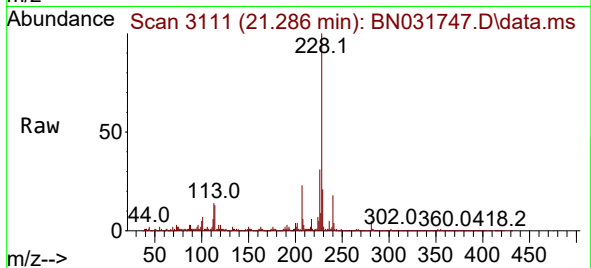
BH625

Tgt Ion:	228	Resp:	91175
Ion Ratio	Lower	Upper	
228	100		
229	21.2	16.7	25.1
226	30.9	22.8	34.2

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.752 ng/ul

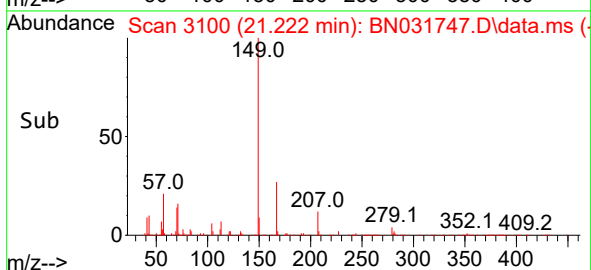
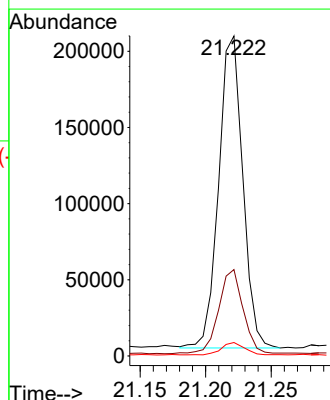
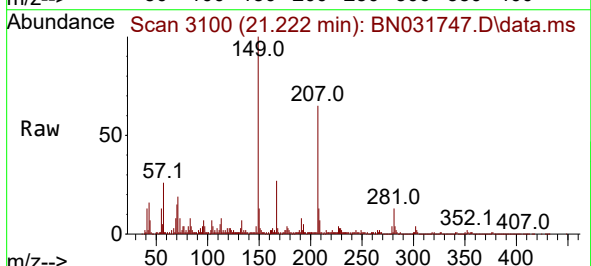
RT: 21.222 min Scan# 3100

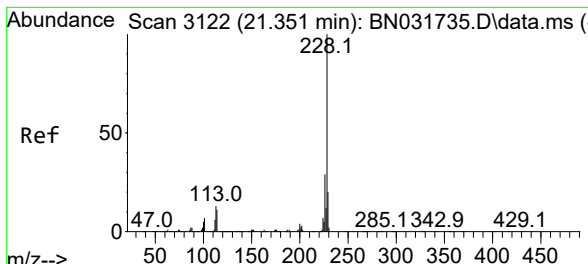
Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

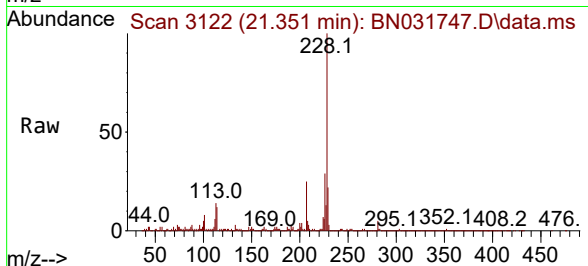
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Ion Ratio	Lower	Upper	
149	100		
167	27.0	21.4	32.0
279	4.2	3.3	4.9





#87
 Chrysene
 Concen: 13.304 ng/ul
 RT: 21.351 min Scan# 3122
 Delta R.T. -0.000 min
 Lab File: BN031747.D
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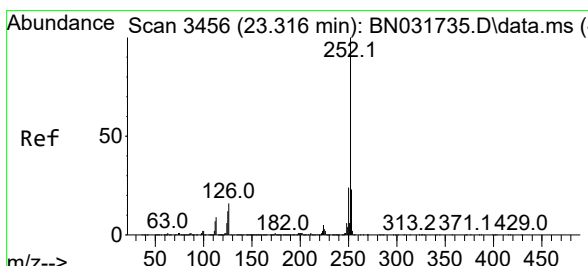
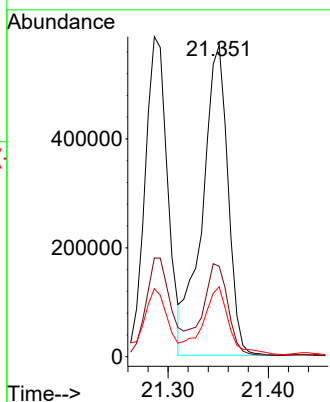
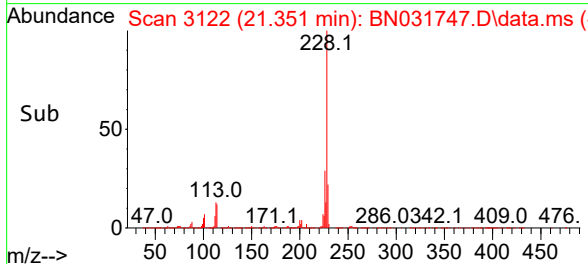


Tgt Ion: 228 Resp: 101147

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.7	35.5
229	22.5	15.1	22.7

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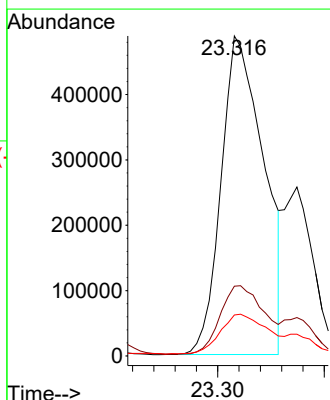
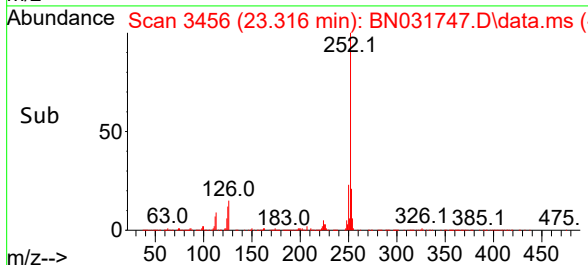
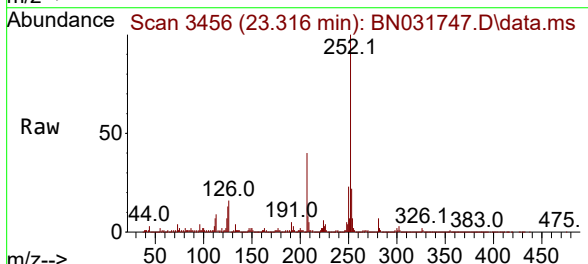
Reviewed By : Jagrut Upadhyay 06/03/2024
 Supervised By : mohammad ahmed 06/04/2024

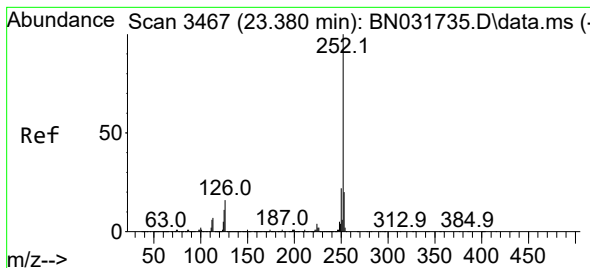


#90
 Benzo(b)fluoranthene
 Concen: 16.452 ng/ul
 RT: 23.316 min Scan# 3456
 Delta R.T. 0.006 min
 Lab File: BN031747.D
 Acq: 31 May 2024 18:16

Tgt Ion: 252 Resp: 1353964

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	12.8	9.2	13.8





#91

Benzo(k)fluoranthene

Concen: 5.907 ng/ul m

RT: 23.374 min Scan# 3467

Delta R.T. -0.000 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

Instrument :

BNA_N

ClientSampleId :

BH625

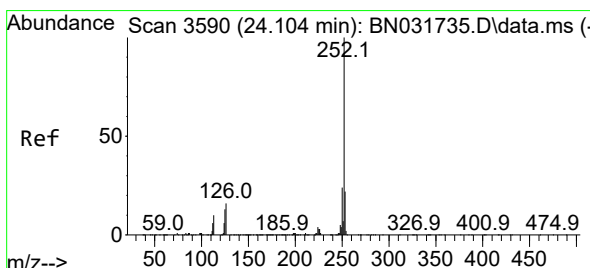
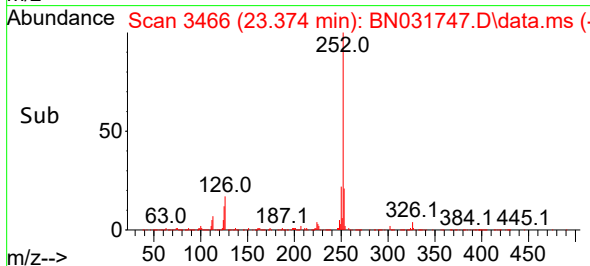
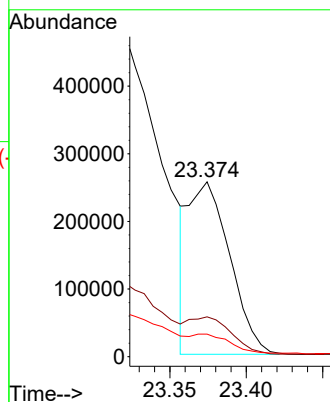
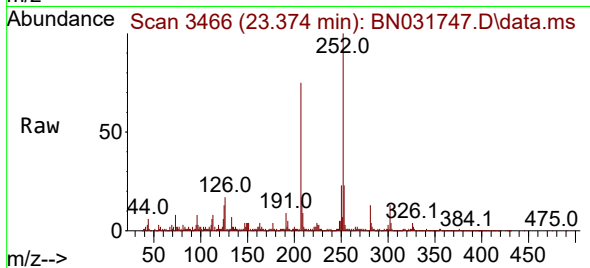
Tgt Ion:252 Resp: 477014

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	12.9	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#93

Benzo(a)pyrene

Concen: 12.369 ng/ul

RT: 24.110 min Scan# 3591

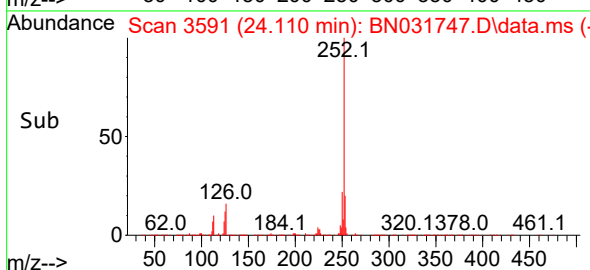
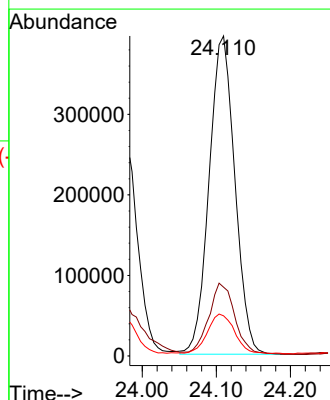
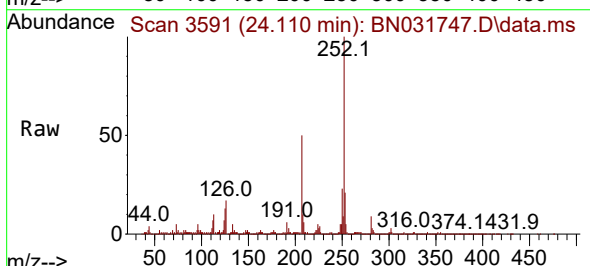
Delta R.T. 0.006 min

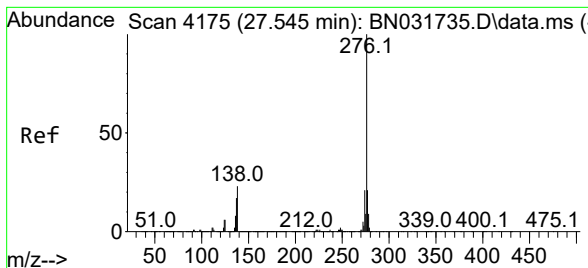
Lab File: BN031747.D

Acq: 31 May 2024 18:16

Tgt Ion:252 Resp: 953392

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.6	24.8
125	12.6	9.8	14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.979 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

Instrument :

BNA_N

ClientSampleId :

BH625

Tgt Ion:276 Resp: 708700

Ion Ratio Lower Upper

276 100

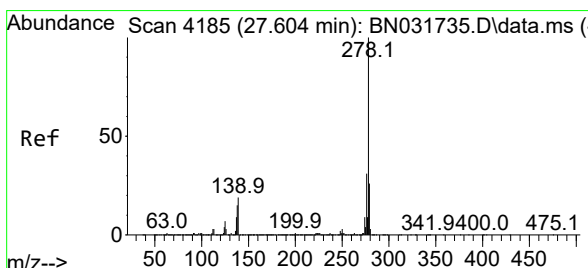
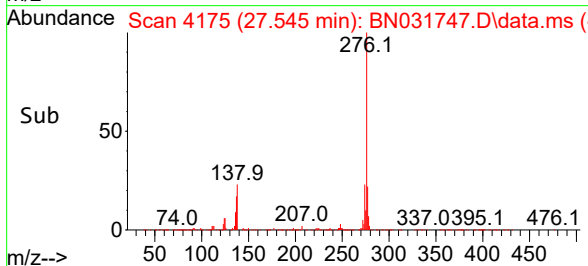
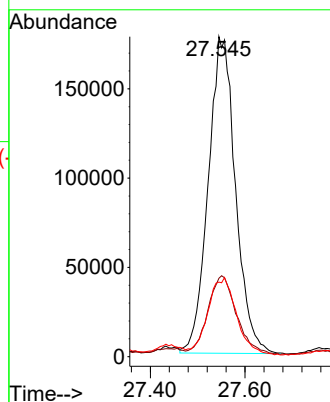
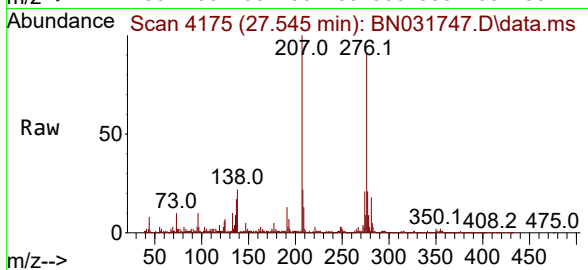
138 24.5 18.1 27.1

277 23.3 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.607 ng/ul m

RT: 27.598 min Scan# 4184

Delta R.T. -0.006 min

Lab File: BN031747.D

Acq: 31 May 2024 18:16

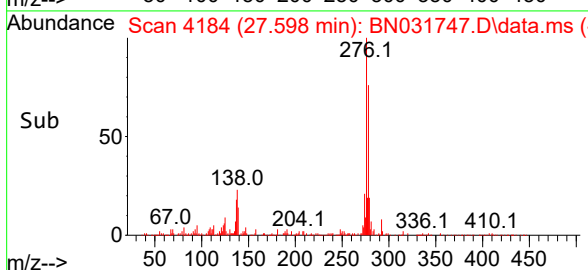
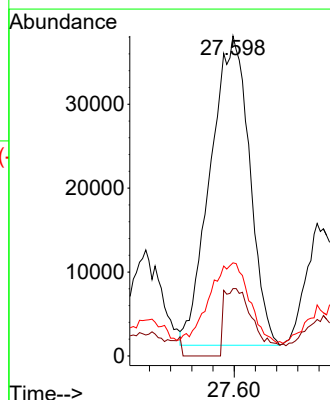
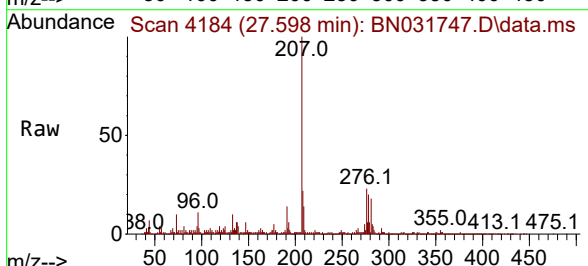
Tgt Ion:278 Resp: 189032

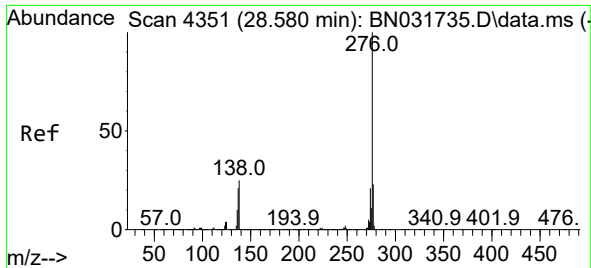
Ion Ratio Lower Upper

278 100

139 21.1 15.0 22.6

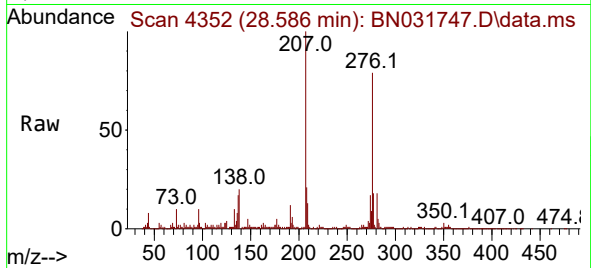
279 29.1 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 9.329 ng/ul
 RT: 28.586 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BN031747.D
 Acq: 31 May 2024 18:16

Instrument :
 BNA_N
 ClientSampleId :
 BH625



Tgt Ion: 276 Resp: 658719
 Ion Ratio Lower Upper
 276 100
 138 25.5 20.9 31.3
 277 23.2 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

