

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031792.D
 Acq On : 05 Jun 2024 01:26
 Operator : MA/JU
 Sample : P2591-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5S8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 03:52:49 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	564712	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2435104	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1377937	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.081	188	2060740	20.000	ng/u1	0.01
79) Chrysene-d12	21.339	240	870251	20.000	ng/u1	0.04
88) Perylene-d12	24.280	264	1818874	20.000	ng/u1	# 0.04

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	38146	2.795	ng/uL	0.00
4) Pyridine-d5	3.599	84	369068	9.605	ng/u1	0.00
7) Phenol-d5	6.852	99	1068165	22.064	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	566047	19.989	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	838355	22.696	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	839669	21.277	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	425415	22.849	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	460897	23.964	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	797041	22.198	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	561436	10.531	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2170754	22.613	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2579046	23.365	ng/u1	0.00
54) 4-Nitrophenol-d4	14.546	143	307230	15.985	ng/u1	0.02
60) Fluorene-d10	15.316	176	1753698	21.591	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	61155	5.904	ng/u1	0.03
73) Anthracene-d10	17.187	188	2032009	23.032	ng/u1	0.02
81) Pyrene-d10	19.481	212	1418517	30.460	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.086	264	1404246	16.168	ng/u1	0.05

Target Compounds				Qvalue		
8) Phenol	6.881	94	89227	1.811	ng/u1	96
18) 4-Methylphenol	8.452	108	112900	2.737	ng/u1	97
26) 2,4-Dimethylphenol	9.646	107	58315m	1.427	ng/u1	
30) Naphthalene	10.516	128	5682730	45.092	ng/u1	100
36) 2-Methylnaphthalene	12.128	142	2135247	24.787	ng/u1	97
37) 1-Methylnaphthalene	12.352	142	1561043	18.061	ng/u1	99
43) 1,1'-Biphenyl	13.151	154	778545	8.033	ng/u1	97
50) Acenaphthylene	14.046	152	955515	7.660	ng/u1	97
52) Acenaphthene	14.387	153	4578492	55.470	ng/u1	98
56) Dibenzofuran	14.722	168	7027604	62.668	ng/u1	97
61) Fluorene	15.375	166	5670940	62.798	ng/u1	97
72) Phenanthrene	17.122	178	29705273m	282.970	ng/u1	
74) Anthracene	17.222	178	14205860	133.551	ng/u1	97
77) Carbazole	17.487	167	9860040	108.709	ng/u1	98
80) Fluoranthene	19.145	202	30457044m	547.251	ng/u1	
82) Pyrene	19.516	202	24511900m	429.269	ng/u1	
83) Butylbenzylphthalate	20.410	149	67886m	2.517	ng/u1	
85) Benzo(a)anthracene	21.310	228	23199771	398.281	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.222	149	989335	25.165	ng/u1	97
87) Chrysene	21.380	228	21735847	399.488	ng/u1	93
90) Benzo(b)fluoranthene	23.386	252	32133058m	295.562	ng/u1	
91) Benzo(k)fluoranthene	23.445	252	14374672m	134.743	ng/u1	
93) Benzo(a)pyrene	24.174	252	17238257	169.294	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.668	276	16912676	144.139	ng/u1	96

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	27.704	278	6030730	62.954	ng/ul#	91
96) Benzo(g,h,i)perylene	28.668	276	2209908m	23.693	ng/ul	

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

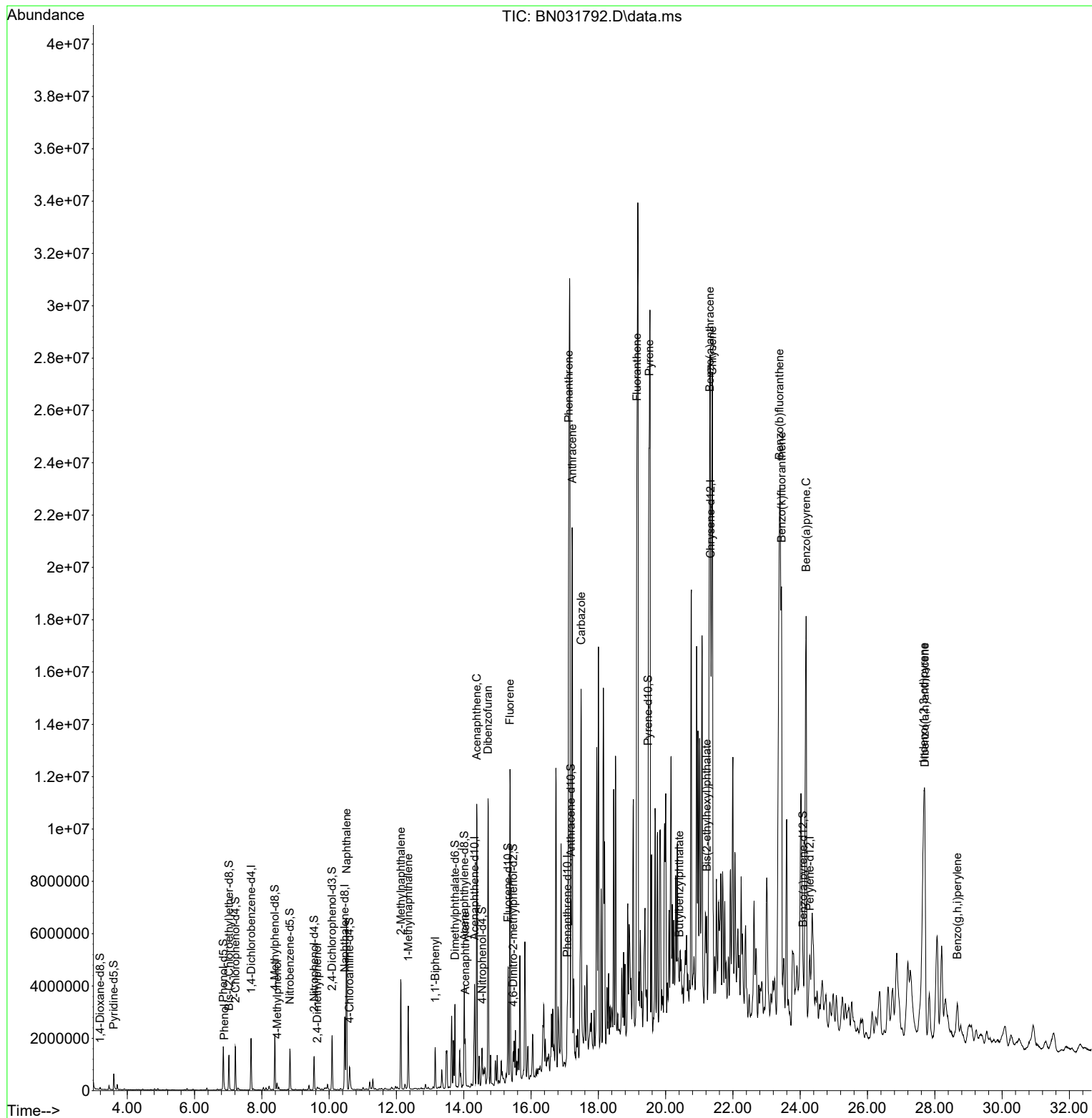
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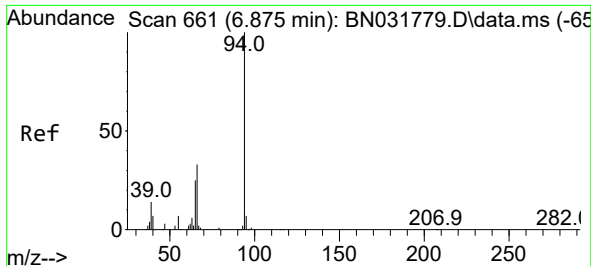
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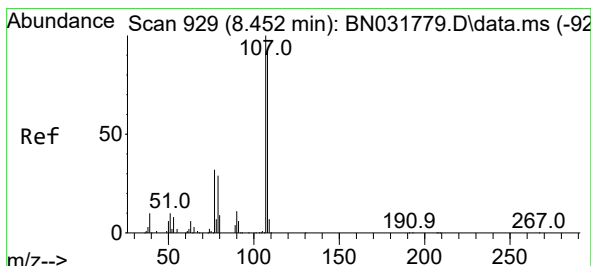
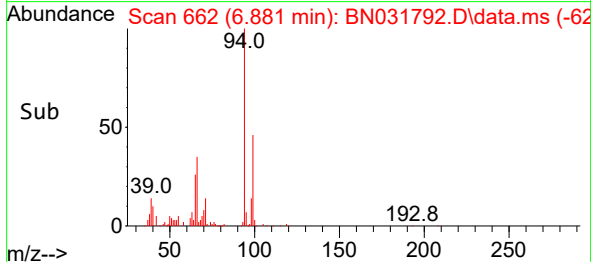
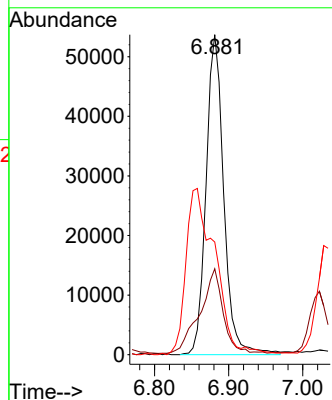
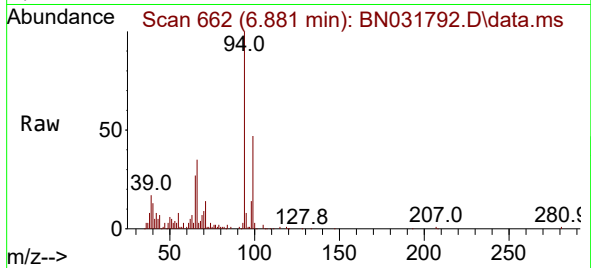
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Phenol
Concen: 1.811 ng/ul
RT: 6.881 min Scan# 661
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

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ClientSampleId :
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Tgt Ion: 94 Resp: 8922
Ion Ratio Lower Upper
94 100
65 26.8 20.3 30.5
66 35.2 25.8 38.8

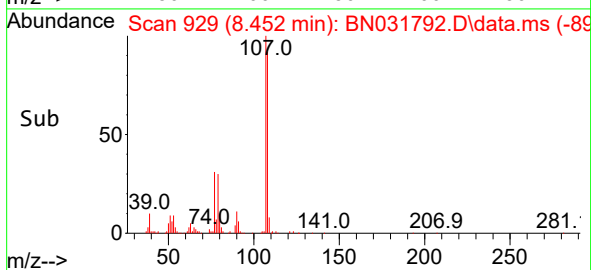
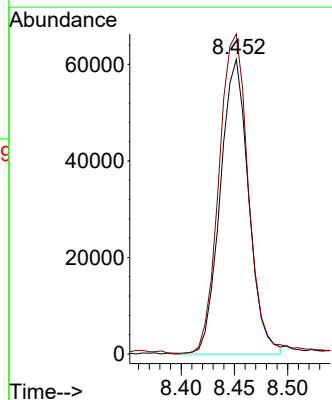
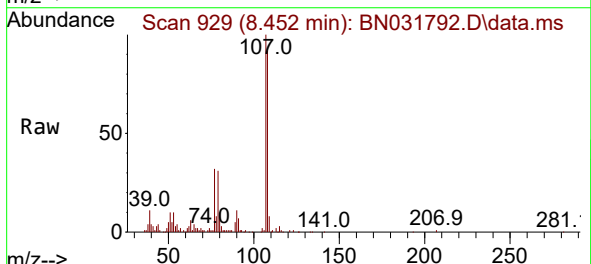
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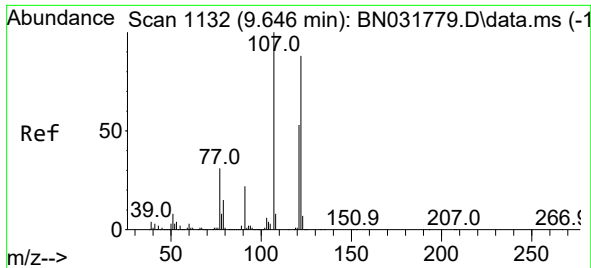
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#18
4-Methylphenol
Concen: 2.737 ng/ul
RT: 8.452 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

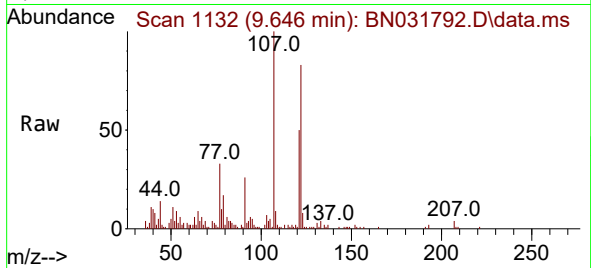
Tgt Ion:108 Resp: 112900
Ion Ratio Lower Upper
108 100
107 108.6 89.6 134.4





#26
2,4-Dimethylphenol
Concen: 1.427 ng/ul m
RT: 9.646 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

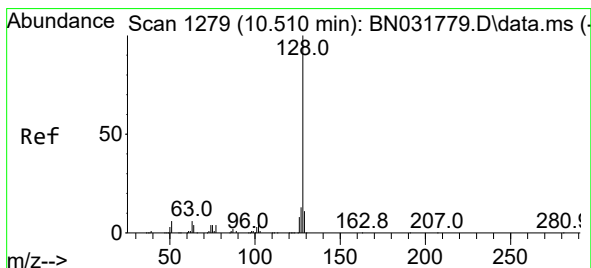
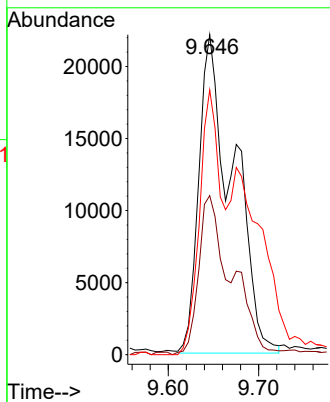
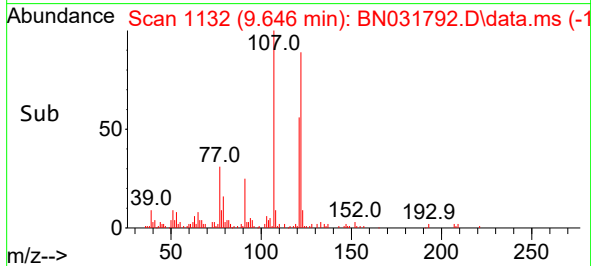
Instrument :
BNA_N
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BH5S8



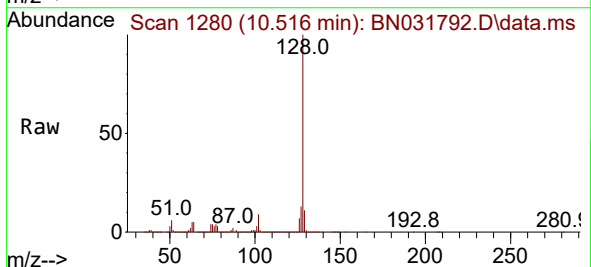
Tgt Ion:107 Resp: 5831
Ion Ratio Lower Upper
107 100
121 49.7 40.8 61.2
122 82.7 70.4 105.6

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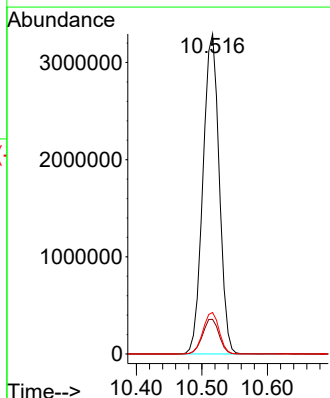
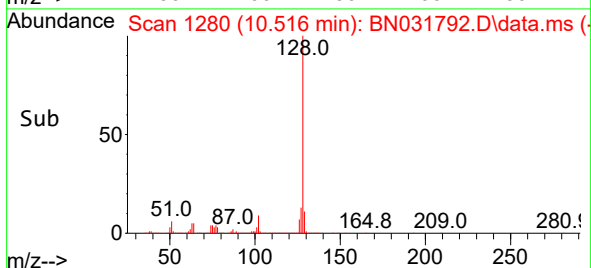
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

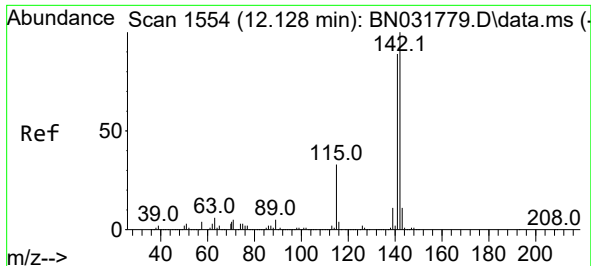


#30
Naphthalene
Concen: 45.092 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26



Tgt Ion:128 Resp: 5682730
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.9 10.3 15.5





#36
2-Methylnaphthalene
Concen: 24.787 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

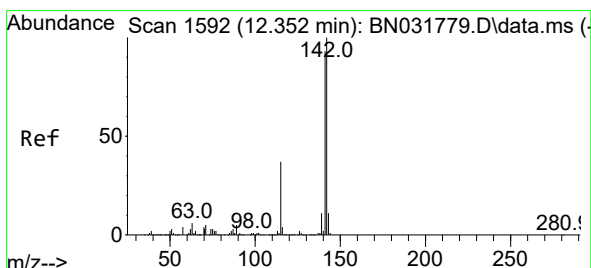
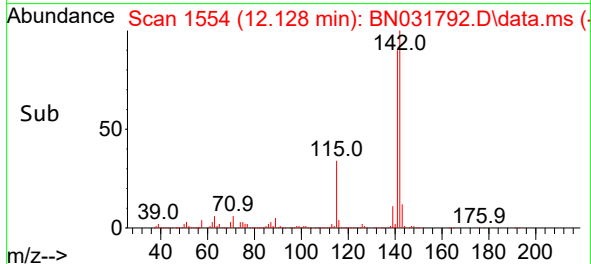
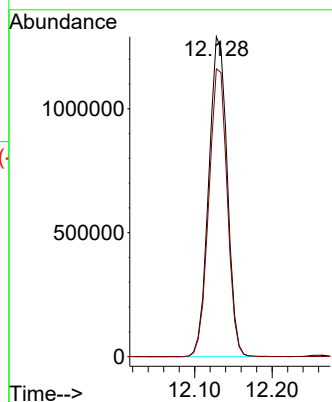
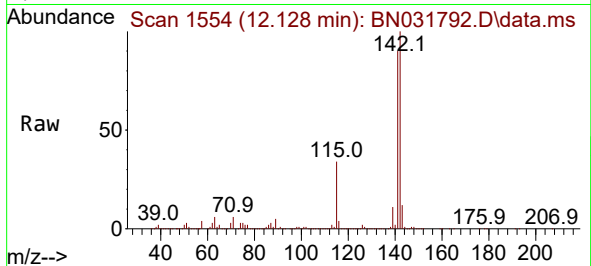
BH5S8

Tgt Ion:142 Resp: 213524
Ion Ratio Lower Upper
142 100
141 90.0 70.1 105.1

Manual Integrations

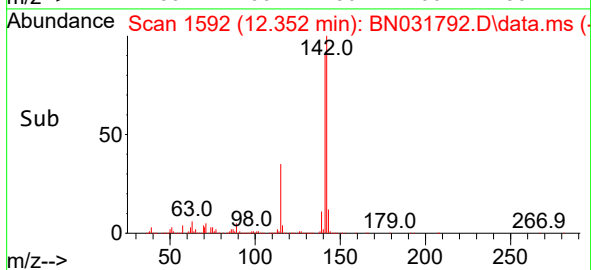
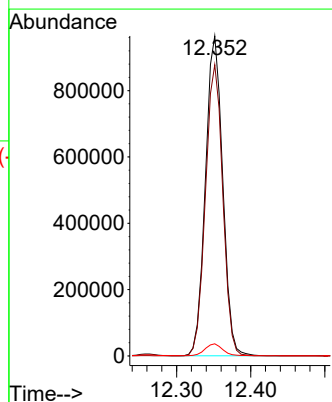
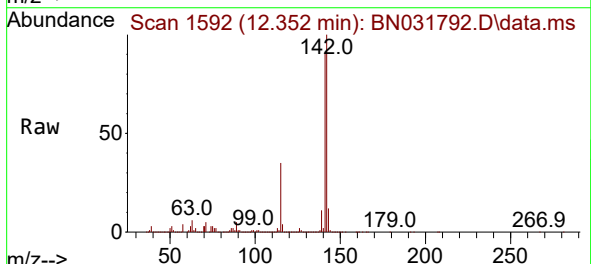
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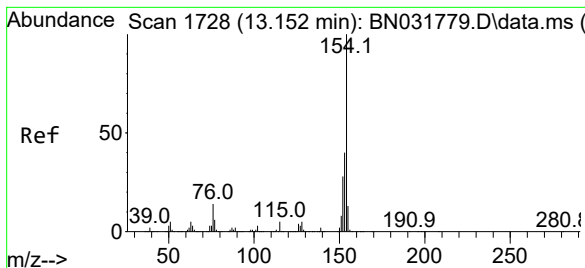
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#37
1-Methylnaphthalene
Concen: 18.061 ng/ul
RT: 12.352 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

Tgt Ion:142 Resp: 1561043
Ion Ratio Lower Upper
142 100
141 91.0 71.7 107.5
116 3.8 3.0 4.4





#43

1,1'-Biphenyl

Concen: 8.033 ng/ul

RT: 13.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

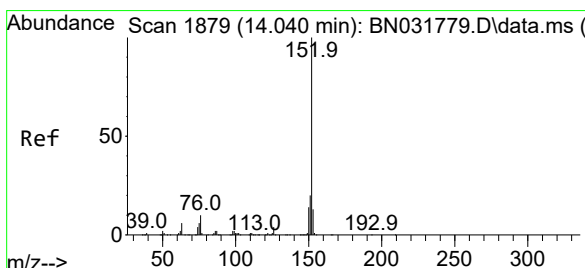
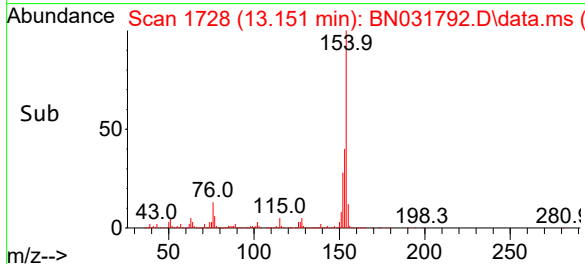
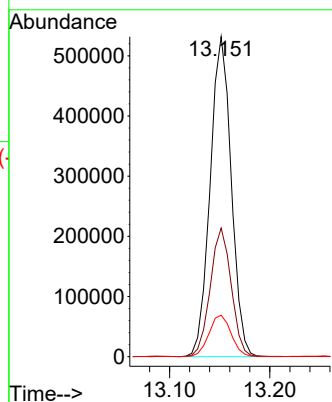
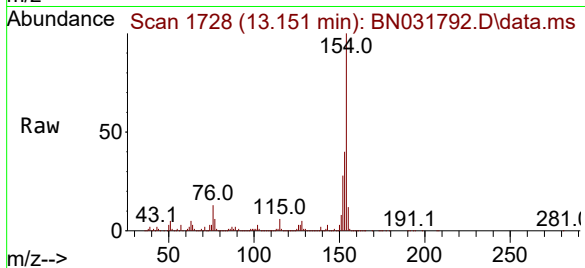
BH5S8

Tgt Ion:154 Resp: 778549
 Ion Ratio Lower Upper
 154 100
 153 40.2 30.6 46.0
 76 12.9 11.1 16.7

Manual Integrations

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 Supervised By :mohammad ahmed 06/07/2024



#50

Acenaphthylene

Concen: 7.660 ng/ul

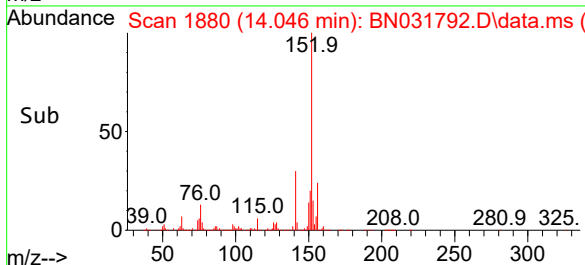
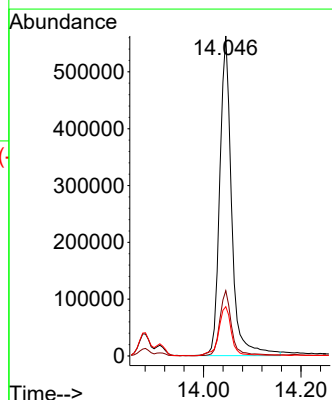
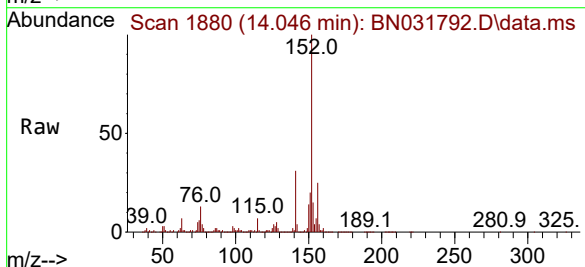
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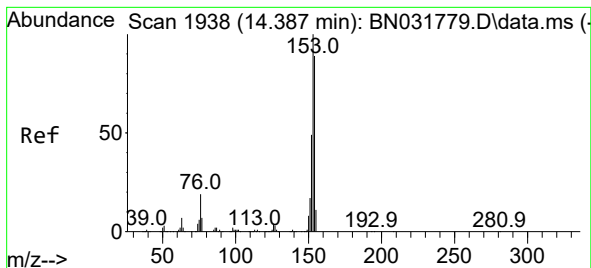
Delta R.T. 0.000 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

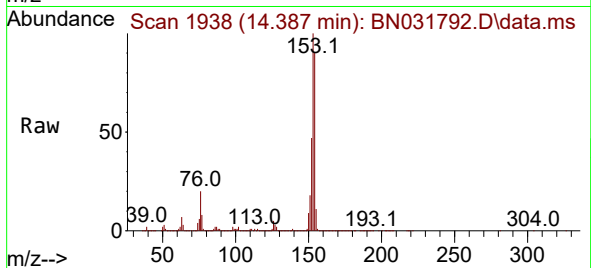
Tgt Ion:152 Resp: 955515
 Ion Ratio Lower Upper
 152 100
 151 20.4 15.9 23.9
 153 15.4 10.4 15.6





#52
Acenaphthene
Concen: 55.470 ng/u1
RT: 14.387 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

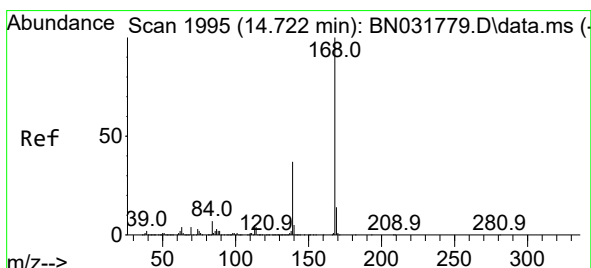
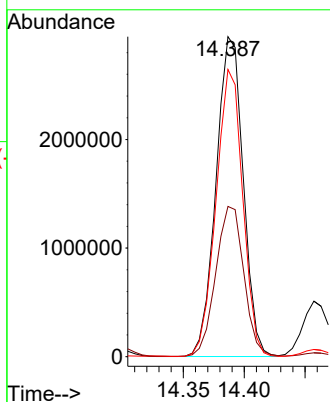
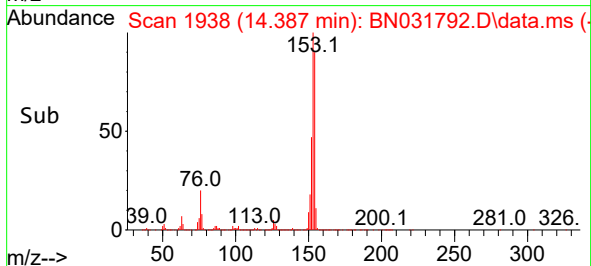
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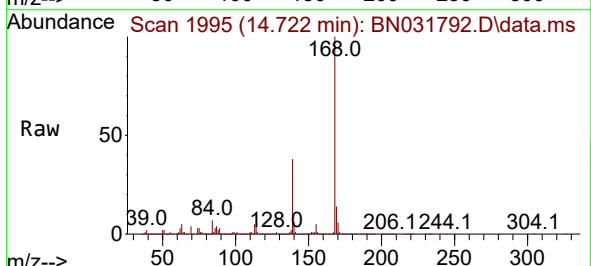
Tgt Ion:153 Resp: 4578492
Ion Ratio Lower Upper
153 100
152 47.0 37.8 56.6
154 89.7 69.8 104.8

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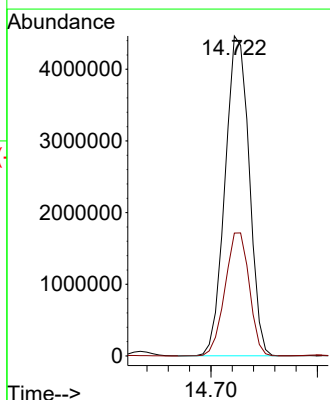
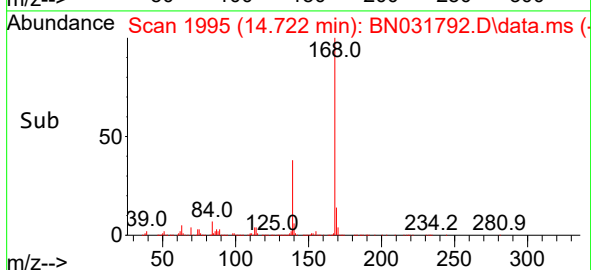
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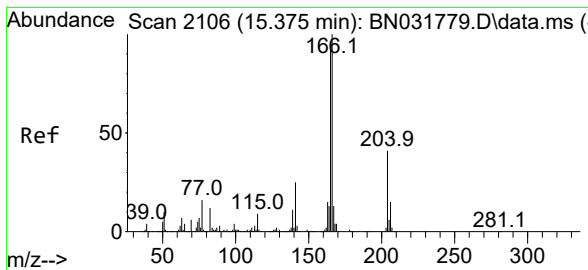


#56
Dibenzofuran
Concen: 62.668 ng/u1
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26



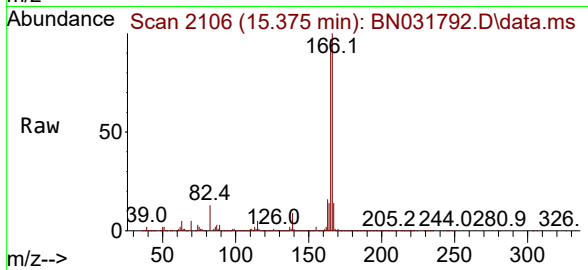
Tgt Ion:168 Resp: 7027604
Ion Ratio Lower Upper
168 100
139 38.4 29.4 44.0





#61
 Fluorene
 Concen: 62.798 ng/ul
 RT: 15.375 min Scan# 2106
 Delta R.T. 0.000 min
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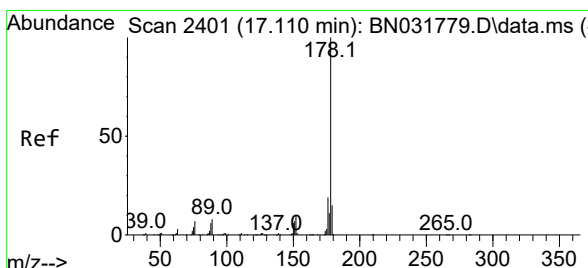
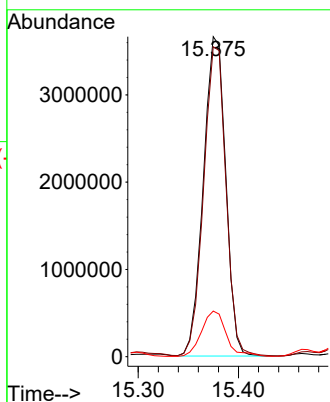
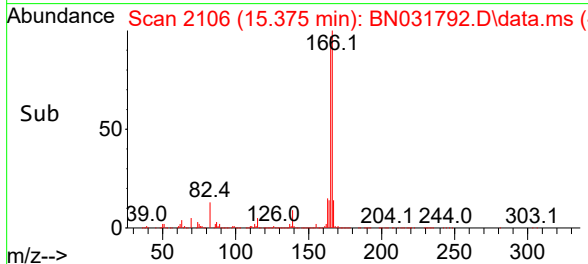


Tgt Ion:166 Resp: 5670940

Ion	Ratio	Lower	Upper
166	100		
165	96.8	80.3	120.5
167	14.3	11.3	16.9

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 APPROVED

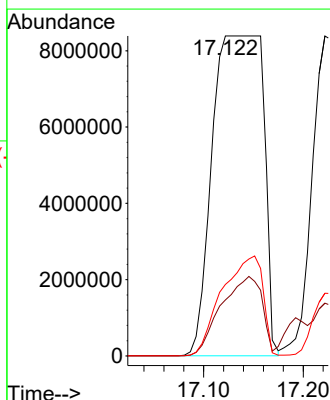
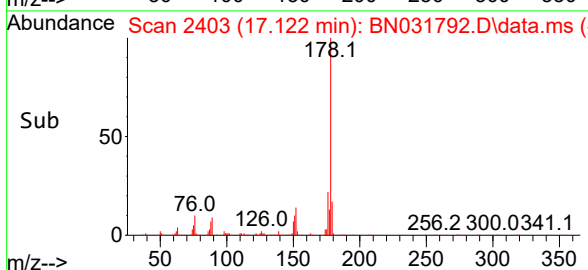
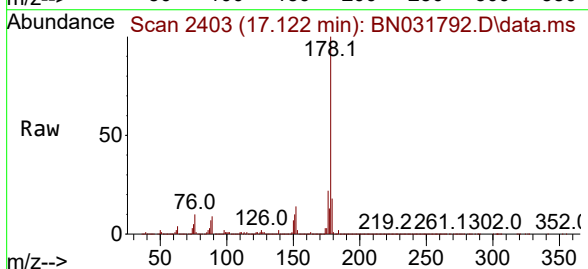
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

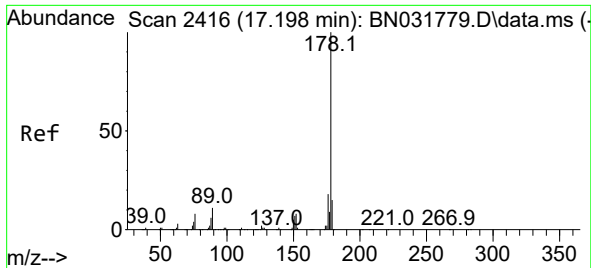


#72
 Phenanthrene
 Concen: 282.970 ng/ul m
 RT: 17.122 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: BN031792.D
 Acq: 05 Jun 2024 01:26

Tgt Ion:178 Resp:29705273

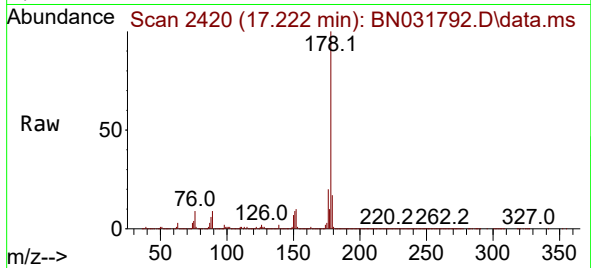
Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.6	19.0
176	22.4	15.8	23.6





#74
 Anthracene
 Concen: 133.551 ng/uI
 RT: 17.222 min Scan# 2416
 Delta R.T. 0.018 min
 Lab File: BN031792.D
 Acq: 05 Jun 2024 01:26

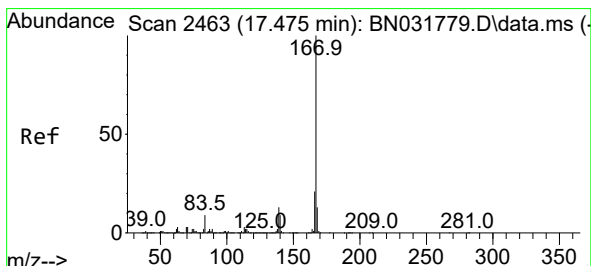
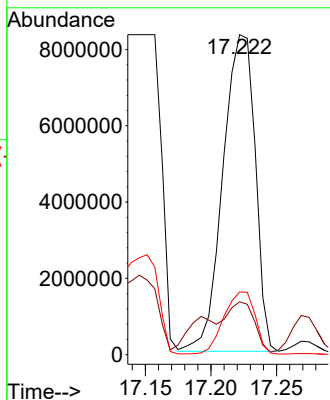
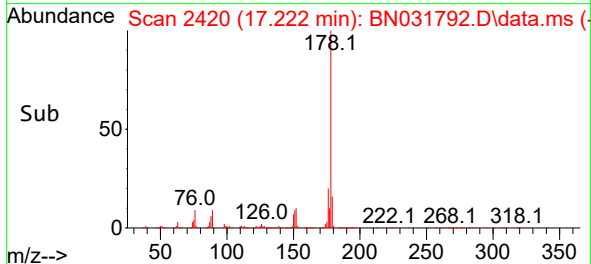
Instrument :
 BNA_N
 ClientSampleId :
 BH5S8



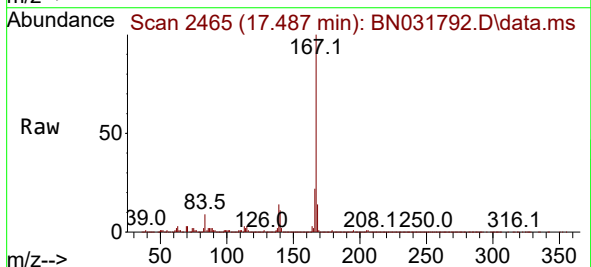
Tgt Ion:178 Resp:14205860
 Ion Ratio Lower Upper
 178 100
 179 16.5 11.8 17.6
 176 19.6 14.8 22.2

Manual Integrations
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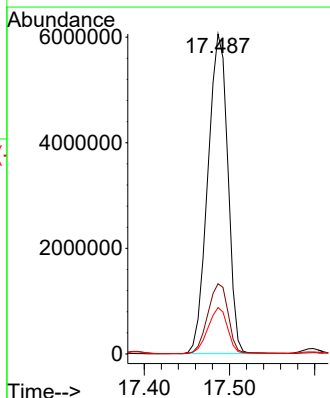
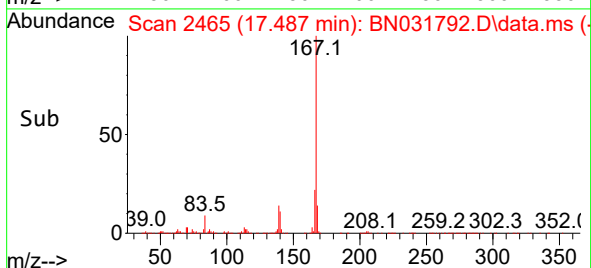
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

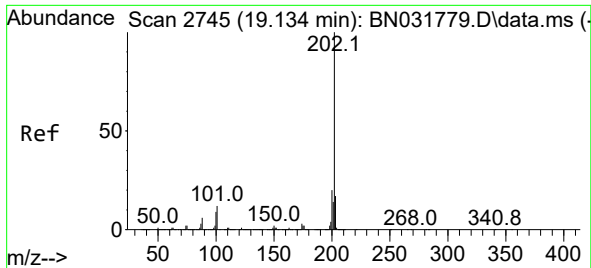


#77
 Carbazole
 Concen: 108.709 ng/uI
 RT: 17.487 min Scan# 2465
 Delta R.T. 0.012 min
 Lab File: BN031792.D
 Acq: 05 Jun 2024 01:26



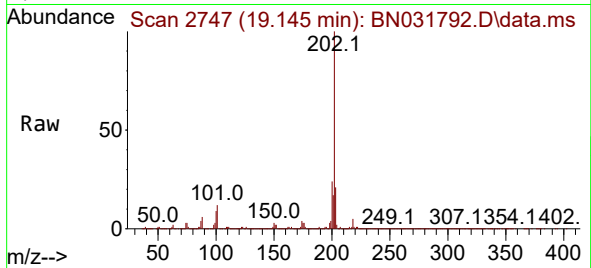
Tgt Ion:167 Resp: 9860040
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.9 26.9
 139 14.5 10.5 15.7





#80
Fluoranthene
Concen: 547.251 ng/ul m
RT: 19.145 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

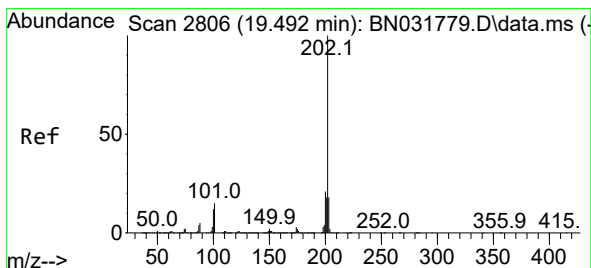
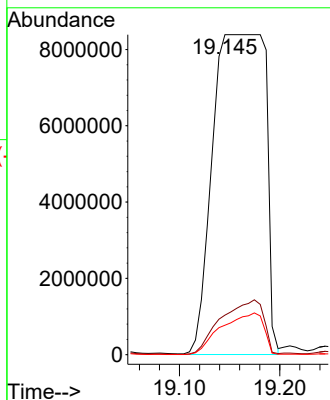
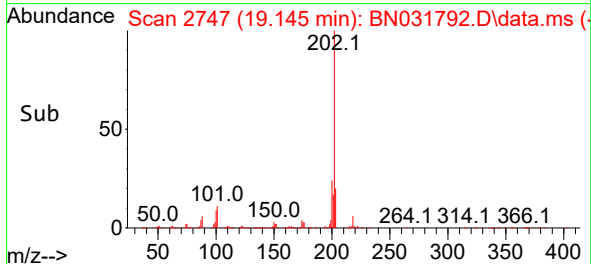
Instrument :
BNA_N
ClientSampleId :
BH5S8



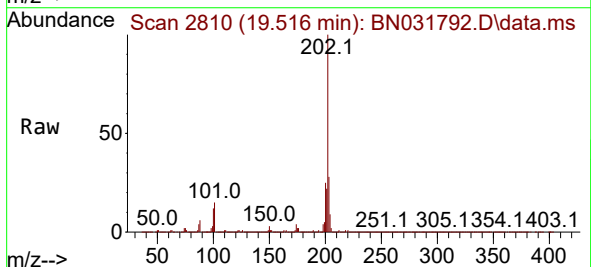
Tgt Ion:202 Resp:3045704
Ion Ratio Lower Upper
202 100
101 12.3 10.3 15.5
100 9.2 8.0 12.0

Manual Integrations
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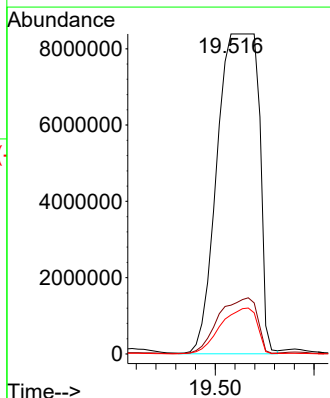
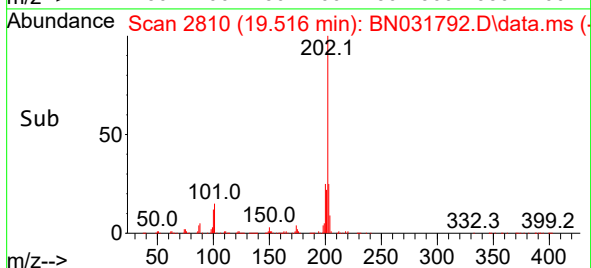
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

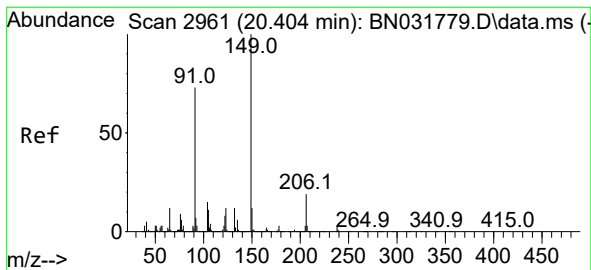


#82
Pyrene
Concen: 429.269 ng/ul m
RT: 19.516 min Scan# 2810
Delta R.T. 0.024 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26



Tgt Ion:202 Resp:24511900
Ion Ratio Lower Upper
202 100
101 15.2 12.6 18.8
100 12.2 10.2 15.2





#83

Butylbenzylphthalate

Concen: 2.517 ng/ul m

RT: 20.410 min Scan# 2961

Delta R.T. 0.006 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

BH5S8

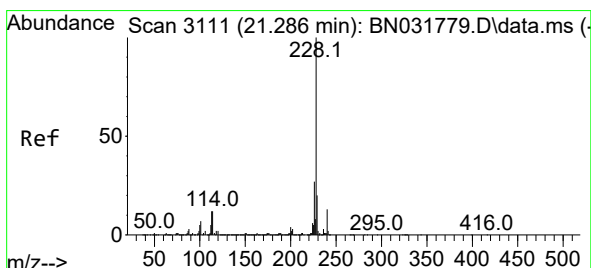
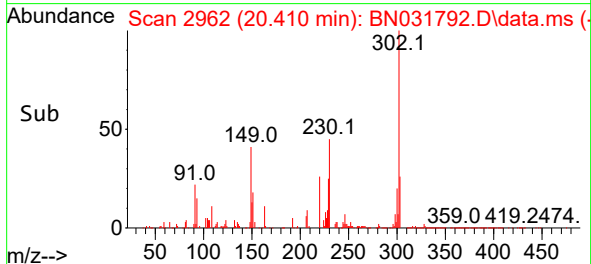
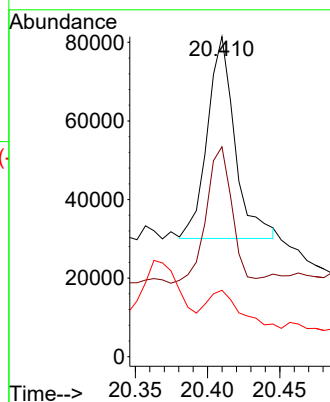
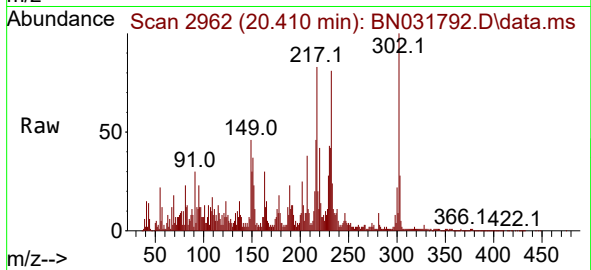
Tgt Ion:149 Resp: 67880

Ion	Ratio	Lower	Upper
149	100		
91	65.6	61.0	91.4
206	20.8	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#85

Benzo(a)anthracene

Concen: 398.281 ng/ul

RT: 21.310 min Scan# 3115

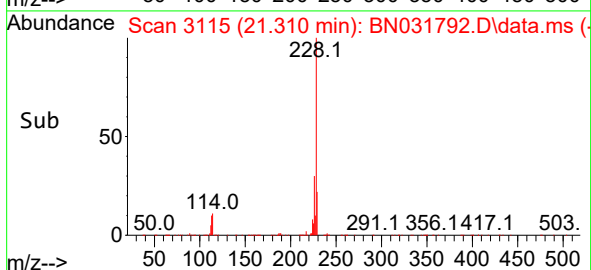
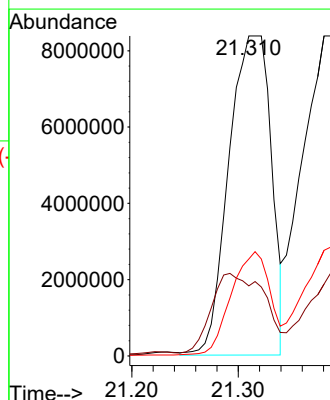
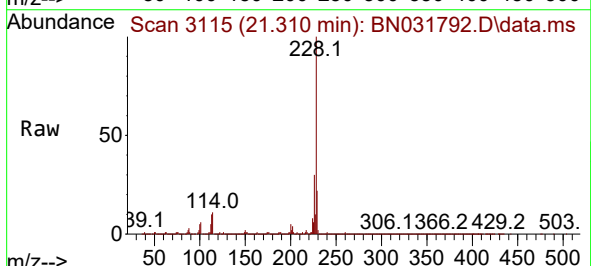
Delta R.T. 0.024 min

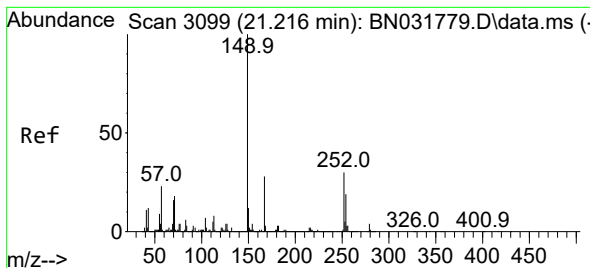
Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Tgt Ion:228 Resp:23199771

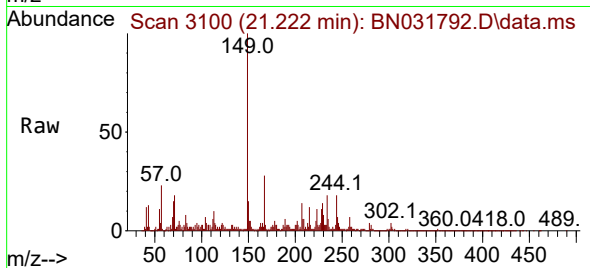
Ion	Ratio	Lower	Upper
228	100		
229	21.9	16.7	25.1
226	30.3	22.8	34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 25.165 ng/ul
RT: 21.222 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26

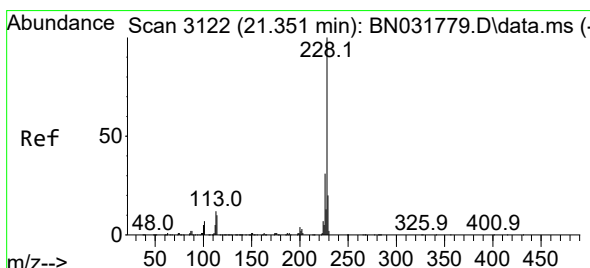
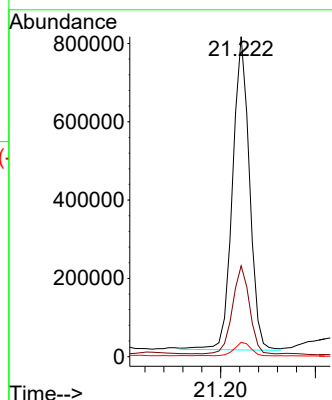
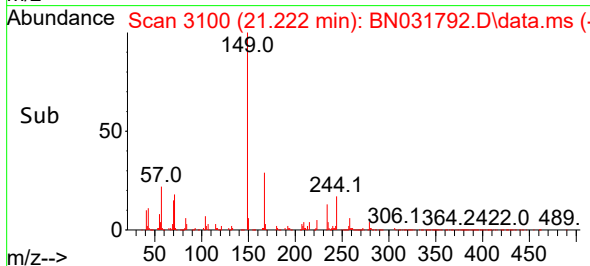
Instrument :
BNA_N
ClientSampleId :
BH5S8



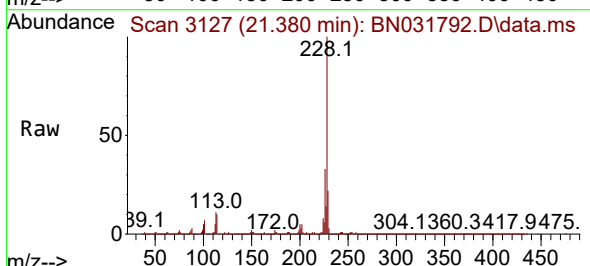
Tgt Ion:149 Resp: 989335
Ion Ratio Lower Upper
149 100
167 28.4 21.4 32.0
279 4.5 3.3 4.9

Manual Integrations
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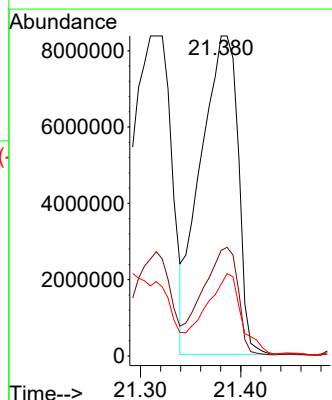
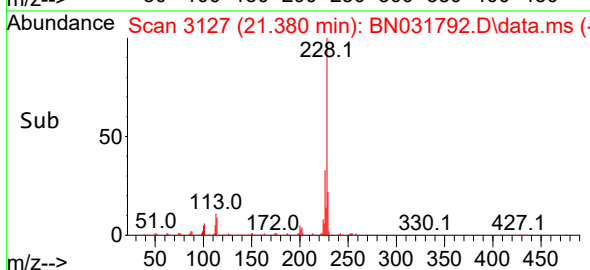
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

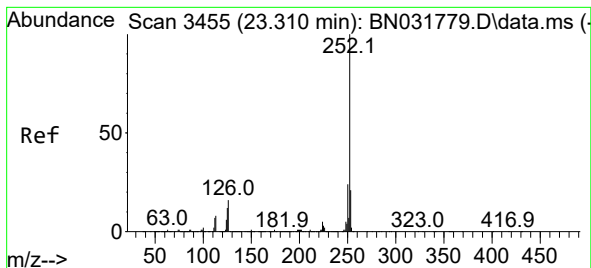


#87
Chrysene
Concen: 399.488 ng/ul
RT: 21.380 min Scan# 3127
Delta R.T. 0.029 min
Lab File: BN031792.D
Acq: 05 Jun 2024 01:26



Tgt Ion:228 Resp:21735847
Ion Ratio Lower Upper
228 100
226 33.0 23.7 35.5
229 22.5 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 295.562 ng/ul m

RT: 23.386 min Scan# 3455

Delta R.T. 0.076 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

BH5S8

Tgt Ion:252 Resp:32133058

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

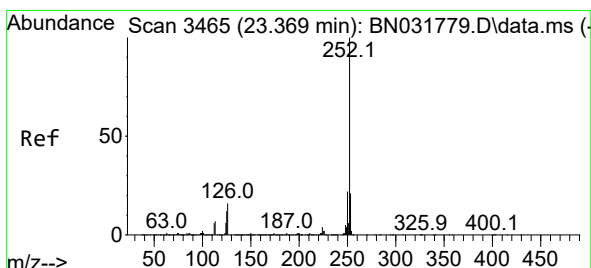
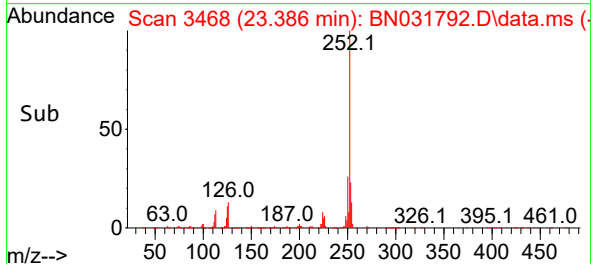
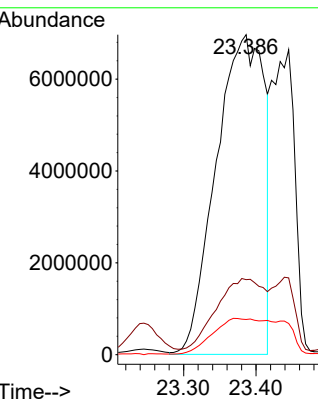
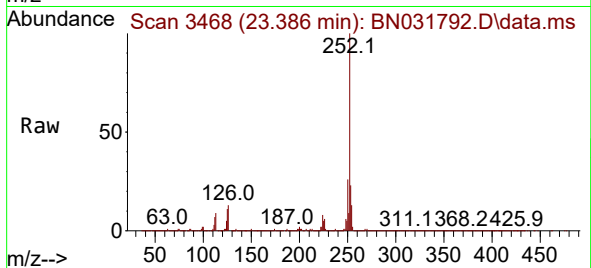
125 11.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024

Supervised By :mohammad ahmed 06/07/2024



#91

Benzo(k)fluoranthene

Concen: 134.743 ng/ul m

RT: 23.445 min Scan# 3478

Delta R.T. 0.071 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

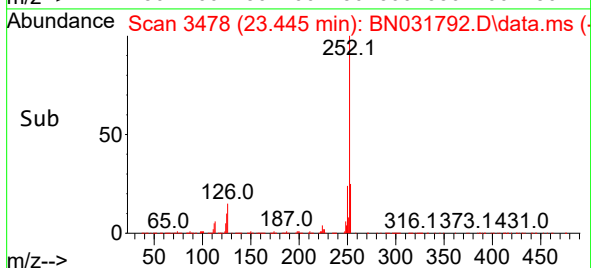
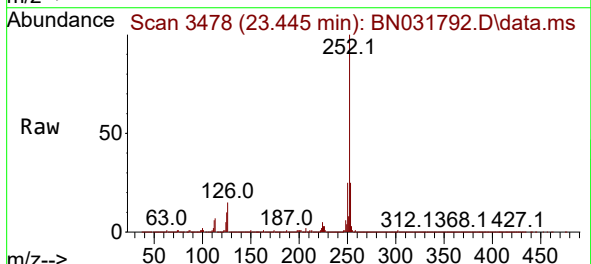
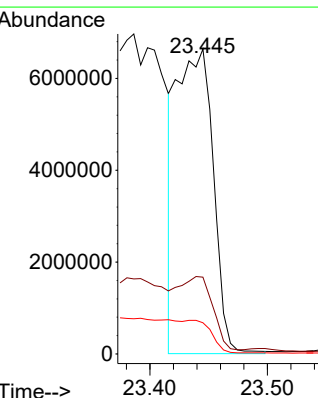
Tgt Ion:252 Resp:14374672

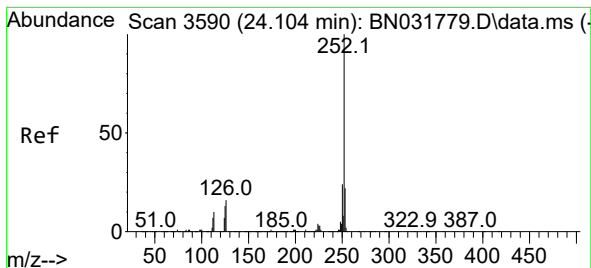
Ion Ratio Lower Upper

252 100

253 25.2 17.6 26.4

125 10.2 9.4 14.2





#93

Benzo(a)pyrene

Concen: 169.294 ng/ul

RT: 24.174 min Scan# 30

Delta R.T. 0.071 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

BH5S8

Tgt Ion:252 Resp:1723825

Ion Ratio Lower Upper

252 100

253 23.9 16.6 24.8

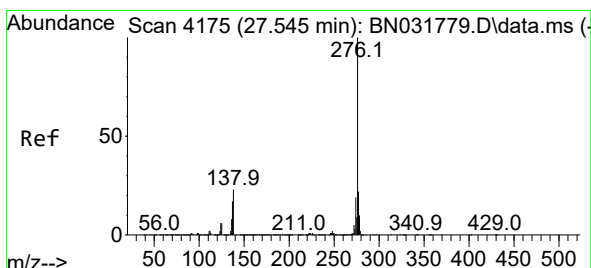
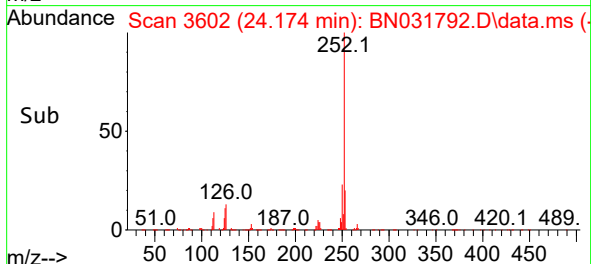
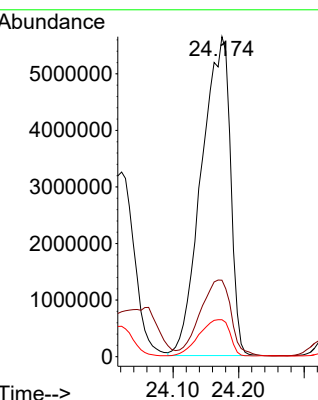
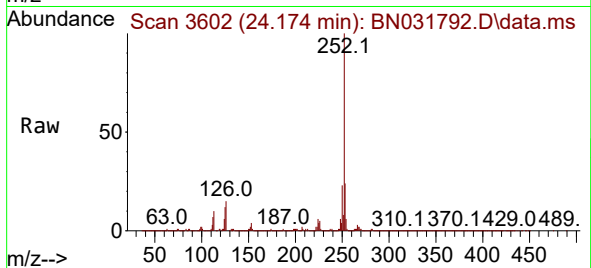
125 11.6 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024

Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 144.139 ng/ul

RT: 27.668 min Scan# 4196

Delta R.T. 0.135 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

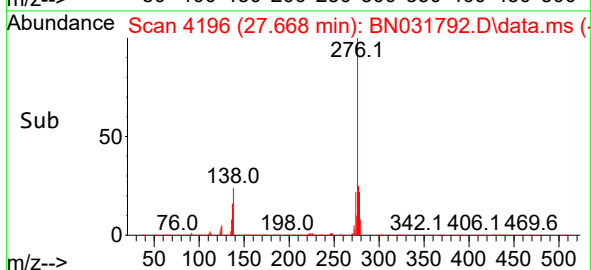
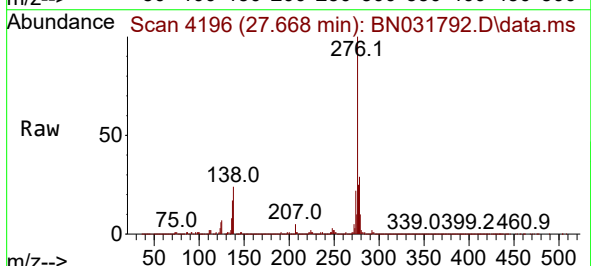
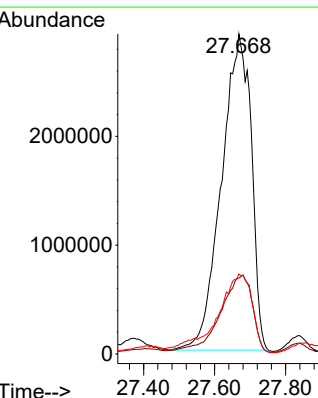
Tgt Ion:276 Resp:16912676

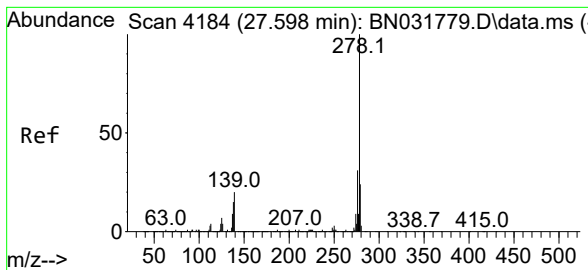
Ion Ratio Lower Upper

276 100

138 23.7 18.1 27.1

277 25.0 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 62.954 ng/ul

RT: 27.704 min Scan# 4184

Delta R.T. 0.100 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Instrument :

BNA_N

ClientSampleId :

BH5S8

Tgt Ion:278 Resp: 6030730

Ion Ratio Lower Upper

278 100

139 18.1 15.0 22.6

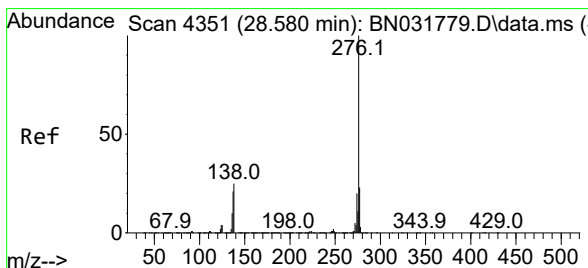
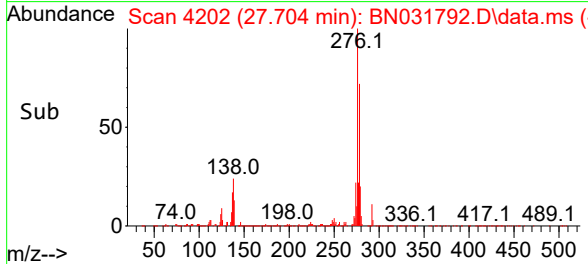
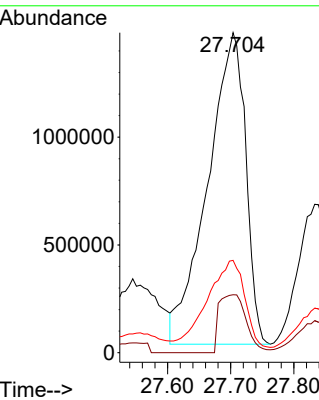
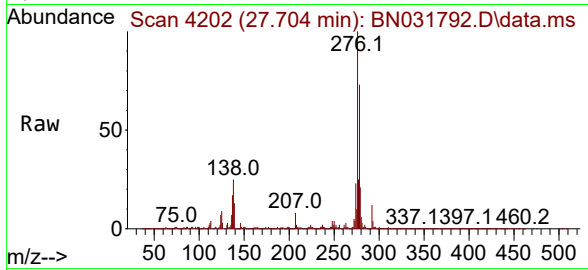
279 28.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024

Supervised By :mohammad ahmed 06/07/2024



#96

Benzo(g,h,i)perylene

Concen: 23.693 ng/ul m

RT: 28.668 min Scan# 4366

Delta R.T. 0.058 min

Lab File: BN031792.D

Acq: 05 Jun 2024 01:26

Tgt Ion:276 Resp: 2209908

Ion Ratio Lower Upper

276 100

138 25.7 20.9 31.3

277 25.9 18.0 27.0

