

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031925.D
 Acq On : 12 Jun 2024 00:54
 Operator : MA/JU
 Sample : P2659-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 12 01:27:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	309538	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	1407044	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	933906	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.051	188	1872739	20.000	ng/u1	0.00
79) Chrysene-d12	21.286	240	1278606	20.000	ng/u1	0.00
88) Perylene-d12	24.221	264	1194052	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	37389	4.997	ng/uL	0.00
4) Pyridine-d5	3.581	84	418305	19.861	ng/u1	0.00
7) Phenol-d5	6.834	99	839602	31.640	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	498464	32.114	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	695736	34.361	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	642995	29.726	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	371286	34.512	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	411076	36.990	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	706167	34.037	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	829555	26.930	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	2219803	34.119	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	2541808	33.976	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	346491	26.598	ng/u1	0.00
60) Fluorene-d10	15.298	176	1854260	33.683	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.428	200	281570	29.912	ng/u1	0.00
73) Anthracene-d10	17.151	188	2825122	35.236	ng/u1	0.00
81) Pyrene-d10	19.451	212	2644560	38.651	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	1397651	24.513	ng/u1	0.00
Target Compounds						
					Qvalue	
36) 2-Methylnaphthalene	12.110	142	54941	1.104	ng/u1	96
50) Acenaphthylene	14.028	152	200286	2.369	ng/u1	99
72) Phenanthrene	17.098	178	1568712	16.444	ng/u1	98
74) Anthracene	17.186	178	254871	2.637	ng/u1	99
77) Carbazole	17.463	167	129248	1.568	ng/u1	100
80) Fluoranthene	19.122	202	3280223	40.115	ng/u1	97
82) Pyrene	19.486	202	2391077	28.501	ng/u1	95
85) Benzo(a)anthracene	21.274	228	1300703	15.198	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.198	149	144778	2.506	ng/u1	100
87) Chrysene	21.333	228	1312307	16.416	ng/u1	95
90) Benzo(b)fluoranthene	23.298	252	1466067	20.541	ng/u1	97
91) Benzo(k)fluoranthene	23.345	252	511118	7.298	ng/u1	97
93) Benzo(a)pyrene	24.080	252	605572	9.059	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.503	276	536122	6.960	ng/u1	97
95) Dibenzo(a,h)anthracene	27.545	278	184220m	2.929	ng/u1	
96) Benzo(g,h,i)perylene	28.521	276	73611m	1.202	ng/u1	

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

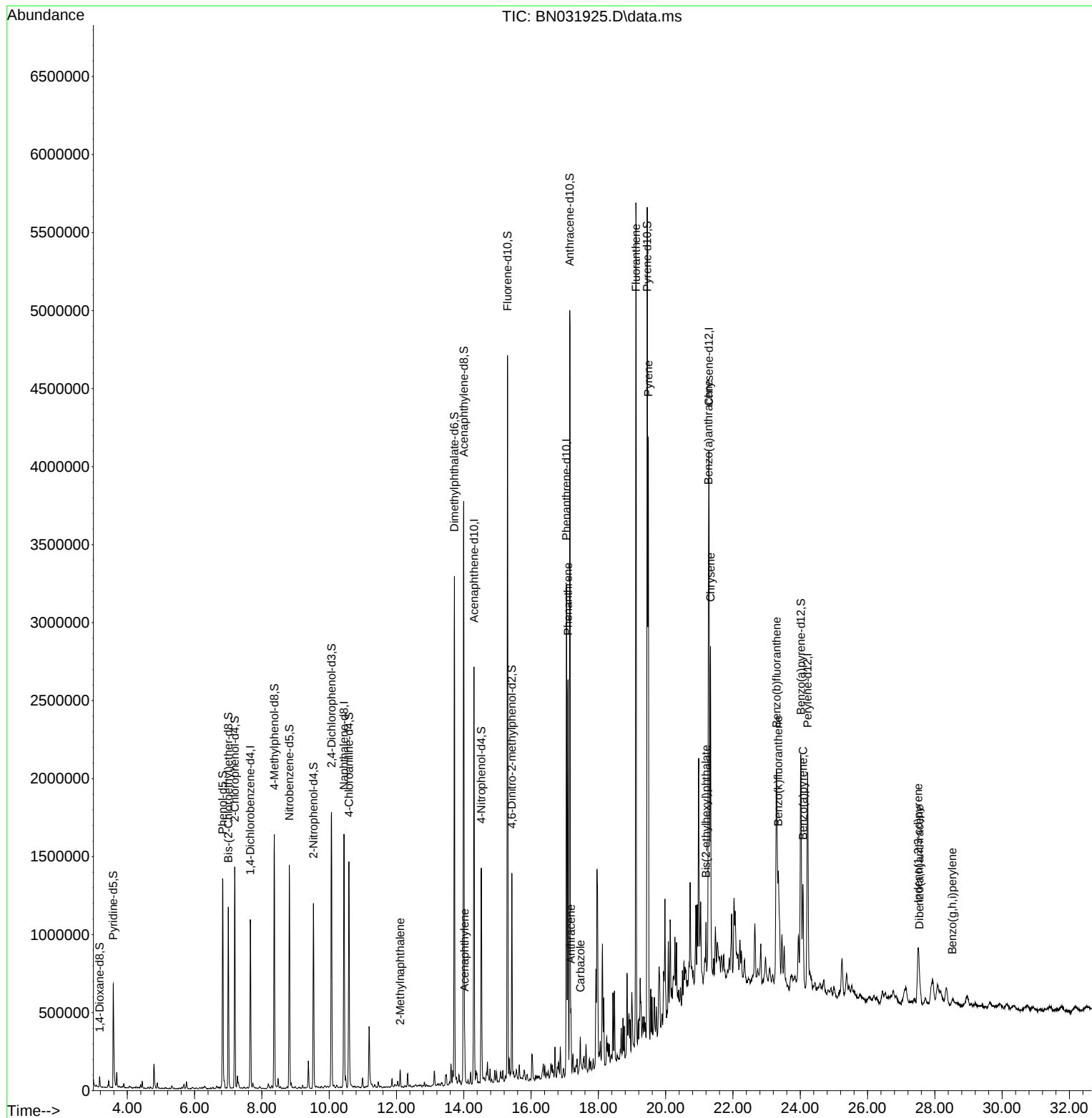
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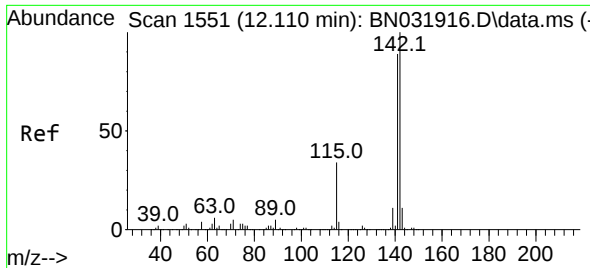
Instrument :
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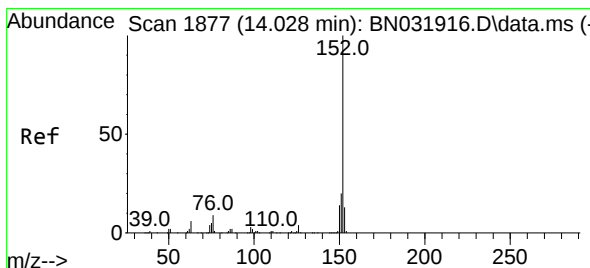
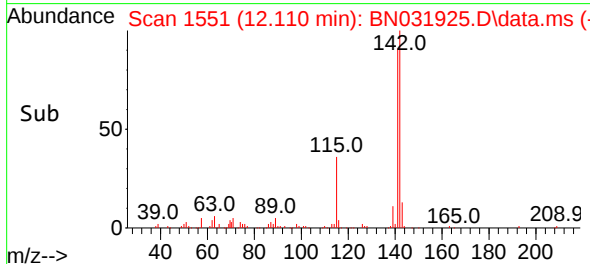
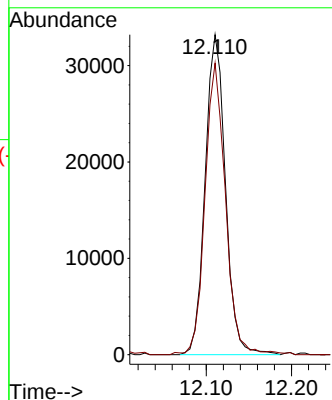
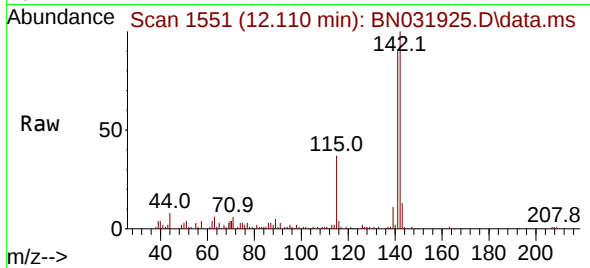
#36
2-Methylnaphthalene
Concen: 1.104 ng/ul
RT: 12.110 min Scan# 11551
Delta R.T. 0.000 min
Lab File: BN031925.D
Acq: 12 Jun 2024 00:54

Instrument :
BNA_N
ClientSampleId :
BHC37

Tgt Ion:142 Resp: 5494
Ion Ratio Lower Upper
142 100
141 91.1 70.1 105.1

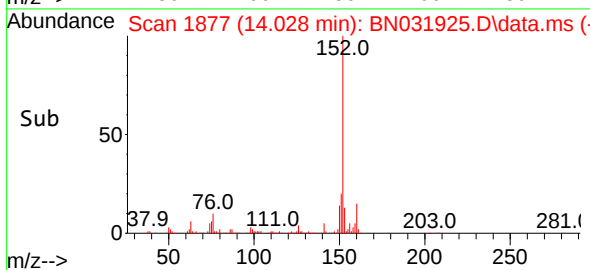
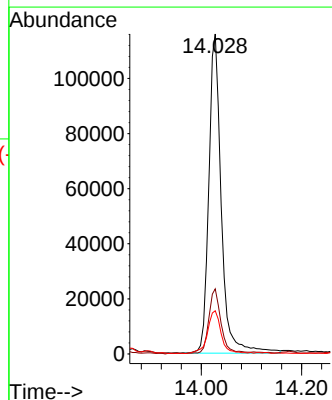
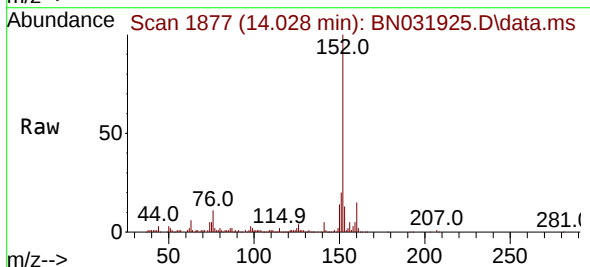
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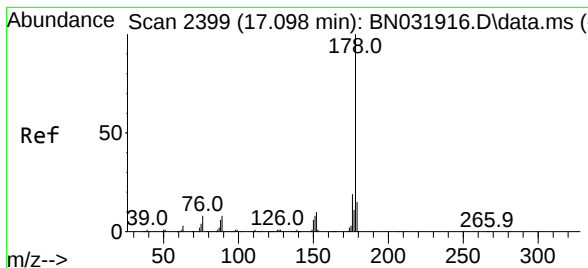
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#50
Acenaphthylene
Concen: 2.369 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BN031925.D
Acq: 12 Jun 2024 00:54

Tgt Ion:152 Resp: 200286
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.5 10.4 15.6





#72

Phenanthrene

Concen: 16.444 ng/ul

RT: 17.098 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Instrument :

BNA_N

ClientSampleId :

BHC37

Tgt Ion:178 Resp: 156871

Ion Ratio Lower Upper

178 100

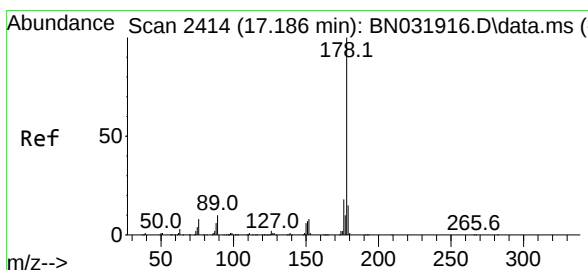
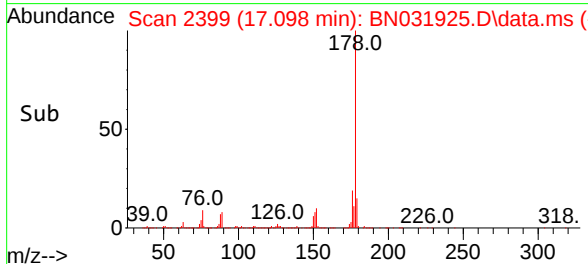
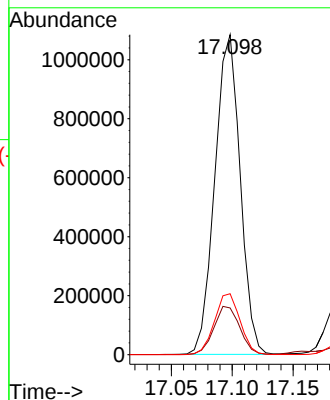
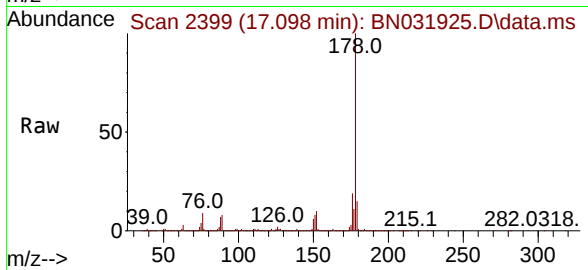
179 14.6 12.6 19.0

176 19.0 15.8 23.6

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Supervised By :mohammad ahmed 06/14/2024



#74

Anthracene

Concen: 2.637 ng/ul

RT: 17.186 min Scan# 2414

Delta R.T. 0.000 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

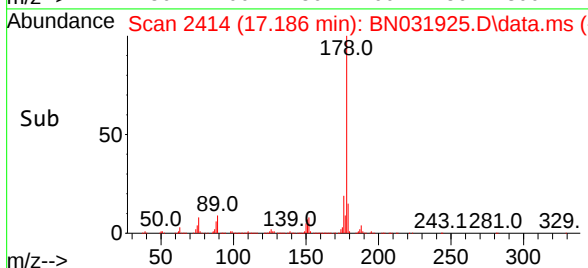
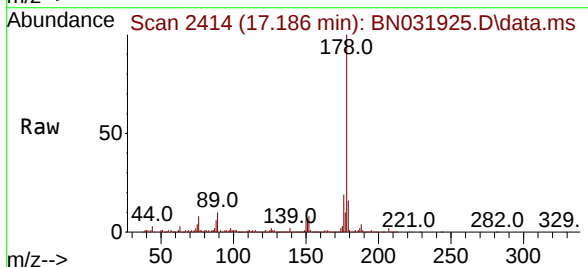
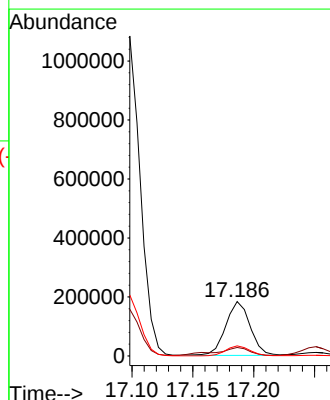
Tgt Ion:178 Resp: 254871

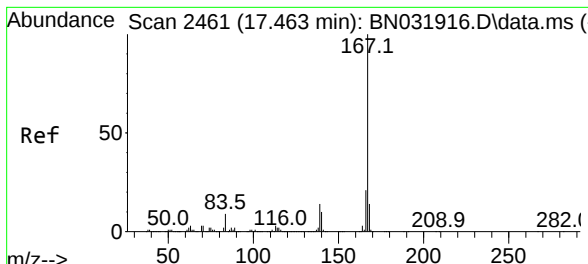
Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.6

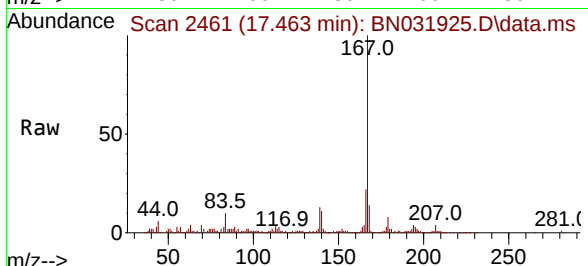
176 18.6 14.8 22.2





#77
 Carbazole
 Concen: 1.568 ng/ul
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BN031925.D
 Acq: 12 Jun 2024 00:54

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

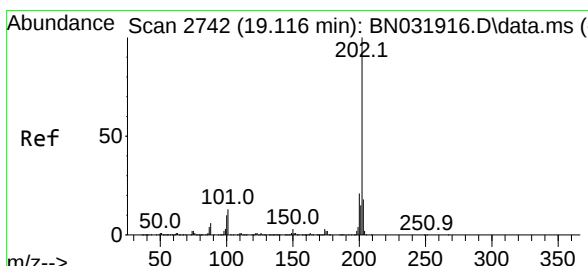
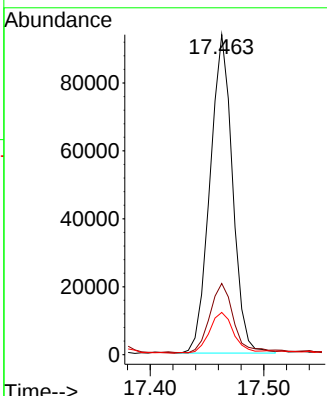
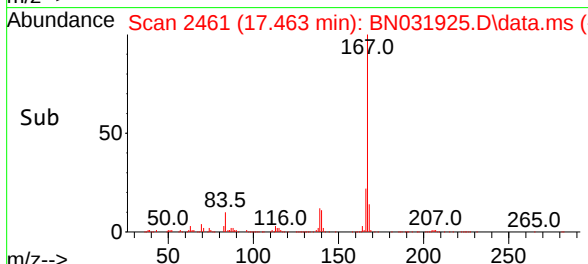


Tgt Ion:167 Resp: 129248

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.9	26.9
139	13.2	10.5	15.7

Manual Integrations
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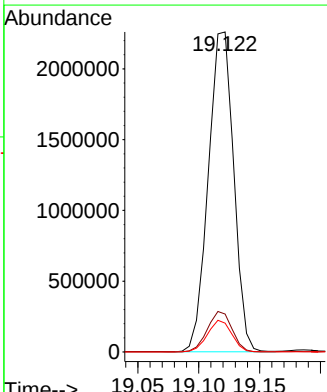
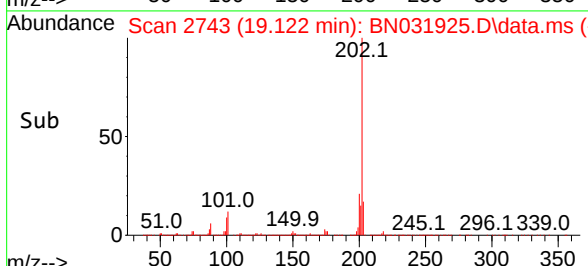
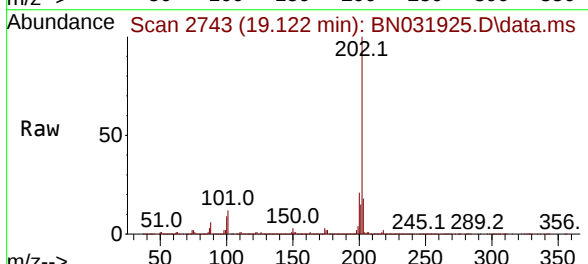
Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024

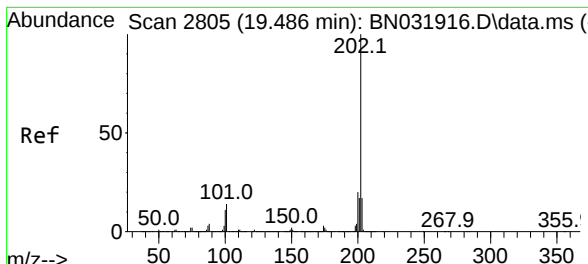


#80
 Fluoranthene
 Concen: 40.115 ng/ul
 RT: 19.122 min Scan# 2743
 Delta R.T. 0.006 min
 Lab File: BN031925.D
 Acq: 12 Jun 2024 00:54

Tgt Ion:202 Resp: 3280223

Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.3	15.5
100	9.0	8.0	12.0





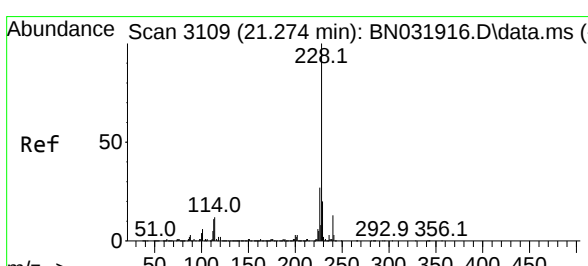
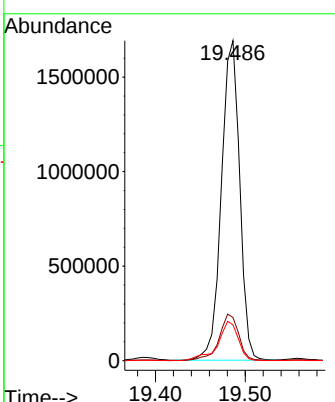
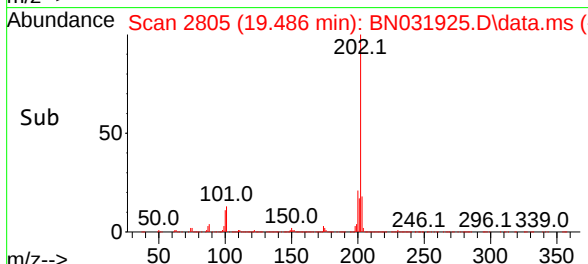
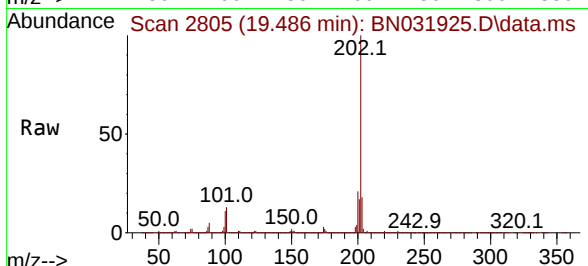
#82
 Pyrene
 Concen: 28.501 ng/ul
 RT: 19.486 min Scan# 2107
 Delta R.T. 0.000 min
 Lab File: BN031925.D
 Acq: 12 Jun 2024 00:54

Instrument : BNA_N
 ClientSampleId : BHC37

Tgt Ion: 202 Resp: 239107

Ion	Ratio	Lower	Upper
202	100		
101	13.5	12.6	18.8
100	11.2	10.2	15.2

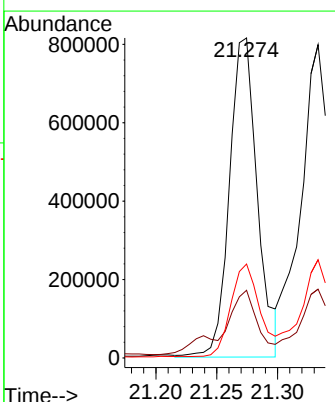
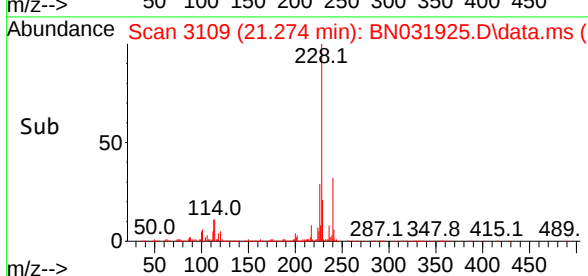
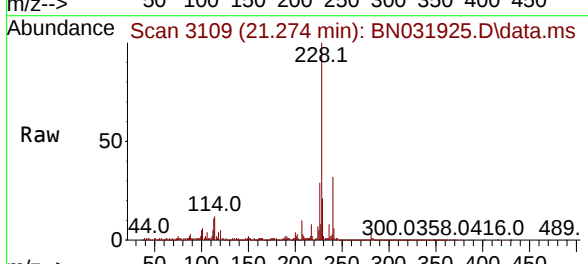
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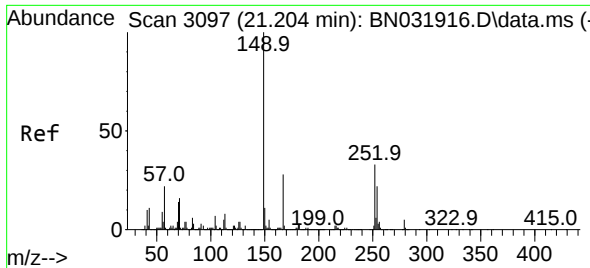


#85
 Benzo(a)anthracene
 Concen: 15.198 ng/ul
 RT: 21.274 min Scan# 3109
 Delta R.T. 0.000 min
 Lab File: BN031925.D
 Acq: 12 Jun 2024 00:54

Tgt Ion: 228 Resp: 1300703

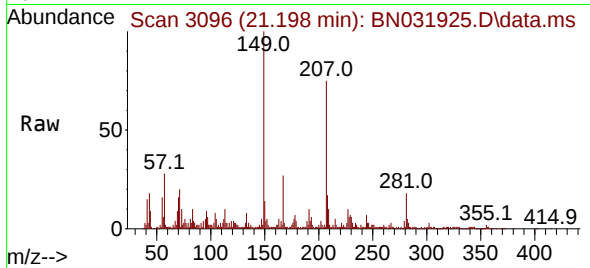
Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.7	25.1
226	29.3	22.8	34.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.506 ng/ul
RT: 21.198 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BN031925.D
Acq: 12 Jun 2024 00:54

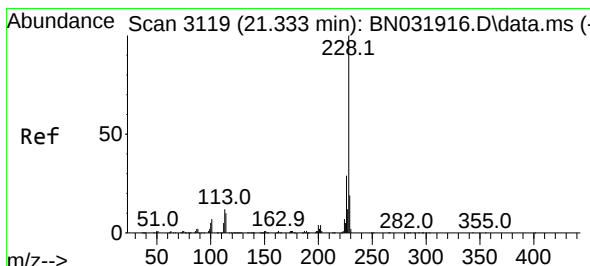
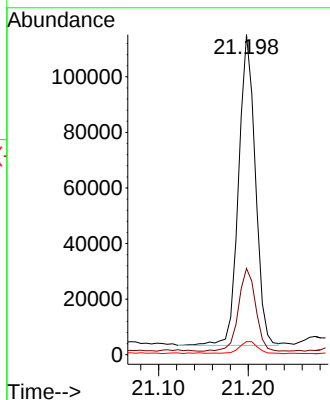
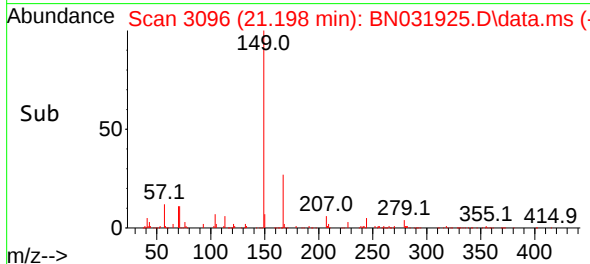
Instrument :
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ClientSampleId :
BHC37



Tgt Ion:149 Resp: 144778
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 4.1 3.3 4.9

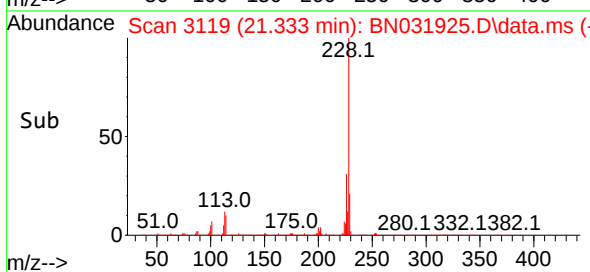
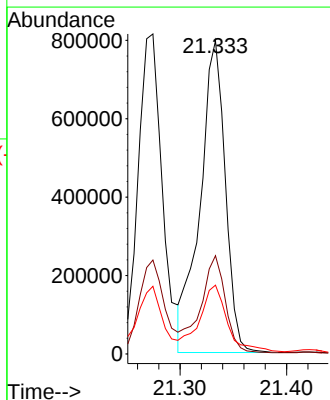
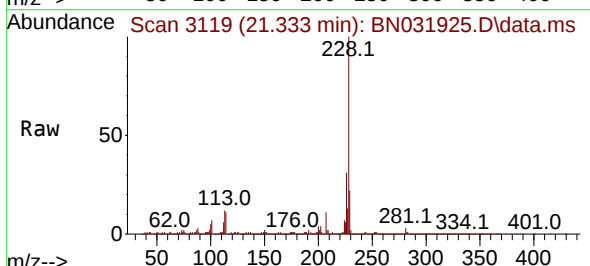
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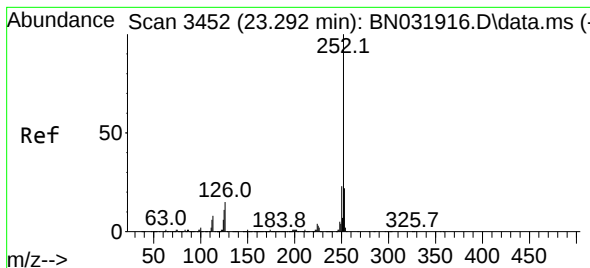
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#87
Chrysene
Concen: 16.416 ng/ul
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BN031925.D
Acq: 12 Jun 2024 00:54

Tgt Ion:228 Resp: 1312307
Ion Ratio Lower Upper
228 100
226 31.3 23.7 35.5
229 22.0 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 20.541 ng/ul

RT: 23.298 min Scan# 3452

Delta R.T. 0.006 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Instrument :

BNA_N

ClientSampleId :

BHC37

Tgt Ion:252 Resp: 146606

Ion Ratio Lower Upper

252 100

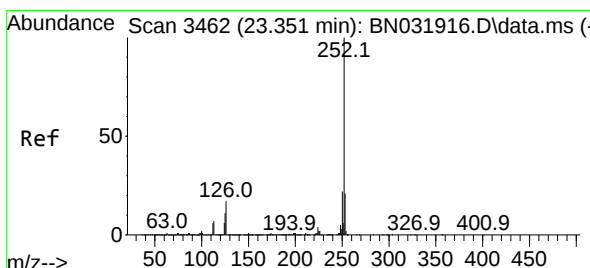
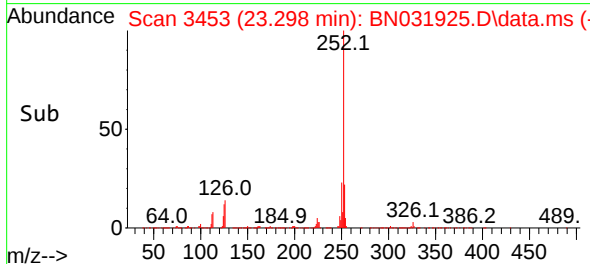
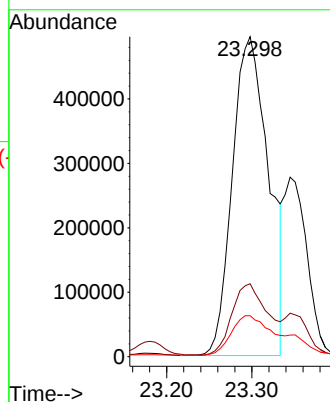
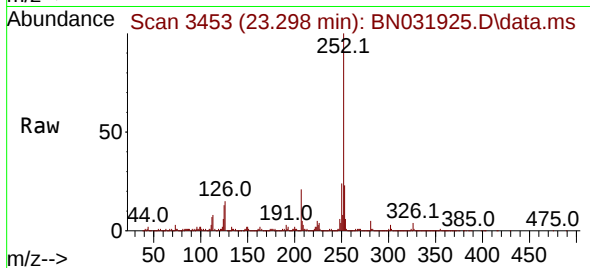
253 22.8 17.0 25.6

125 12.8 9.2 13.8

Manual Integrations

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Supervised By :mohammad ahmed 06/14/2024



#91

Benzo(k)fluoranthene

Concen: 7.298 ng/ul

RT: 23.345 min Scan# 3461

Delta R.T. -0.006 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

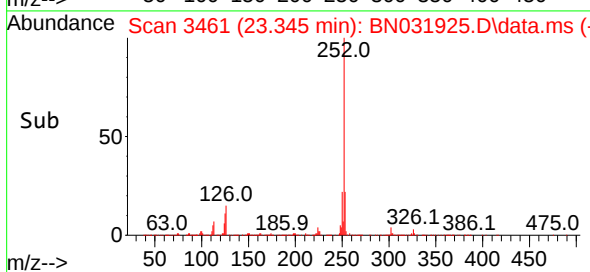
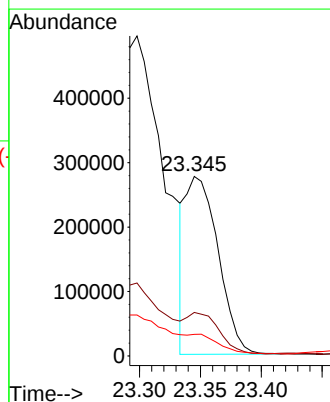
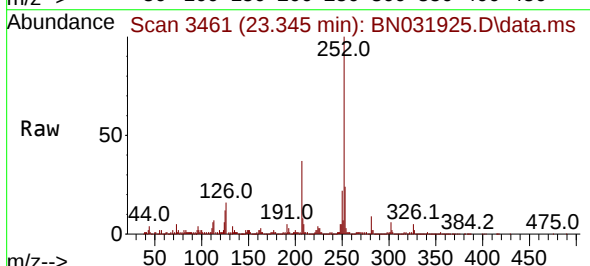
Tgt Ion:252 Resp: 511118

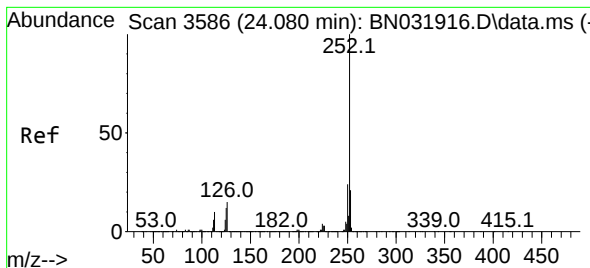
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 12.0 9.4 14.2





#93

Benzo(a)pyrene

Concen: 9.059 ng/ul

RT: 24.080 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Instrument :

BNA_N

ClientSampleId :

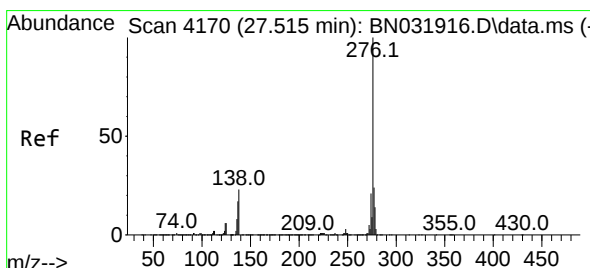
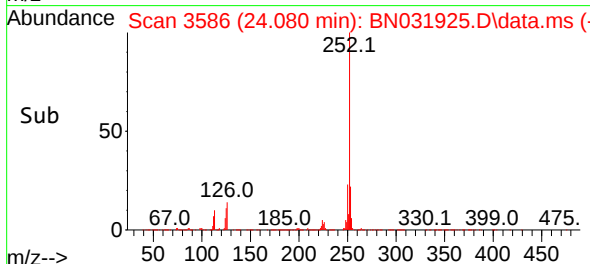
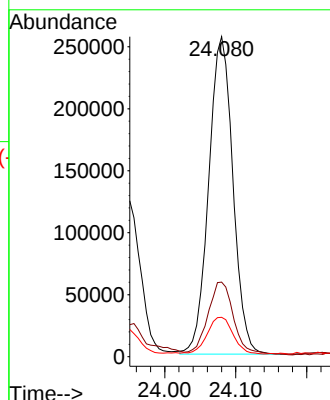
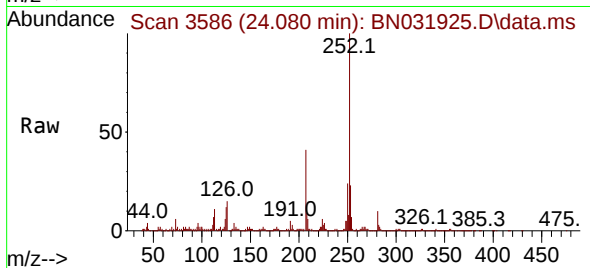
BHC37

Tgt Ion:	252	Resp:	605572
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.6	24.8
125	12.3	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.960 ng/ul

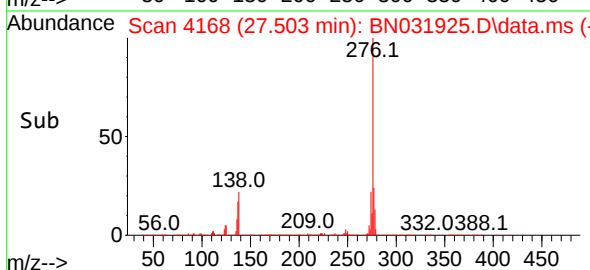
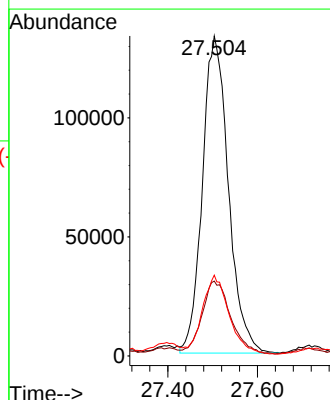
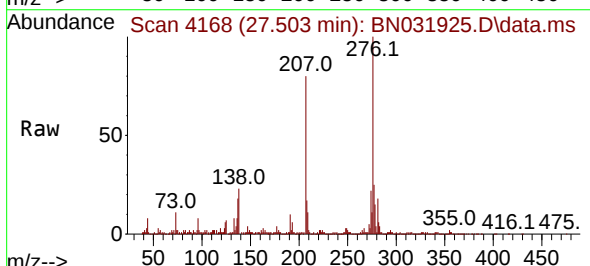
RT: 27.503 min Scan# 4168

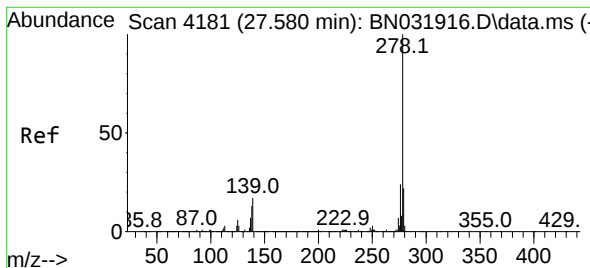
Delta R.T. -0.012 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Tgt Ion:	276	Resp:	536122
Ion Ratio	Lower	Upper	
276	100		
138	23.4	18.1	27.1
277	25.3	18.2	27.2





#95

Dibenzo(a,h)anthracene

Concen: 2.929 ng/ul m

RT: 27.545 min Scan# 4181

Delta R.T. -0.035 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Instrument :

BNA_N

ClientSampleId :

BHC37

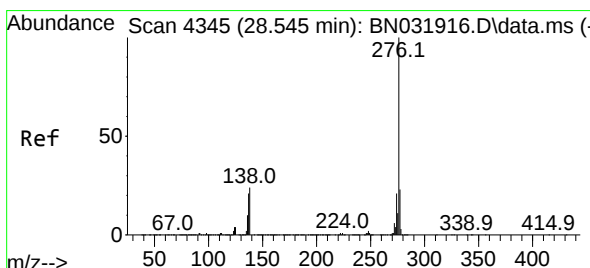
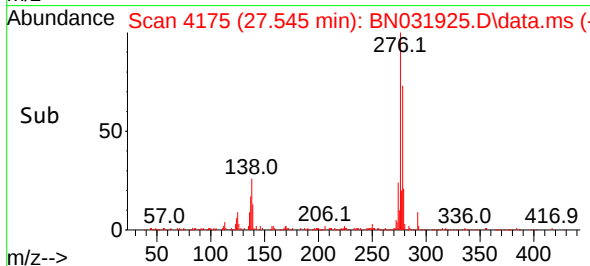
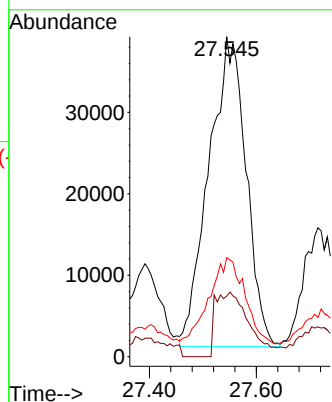
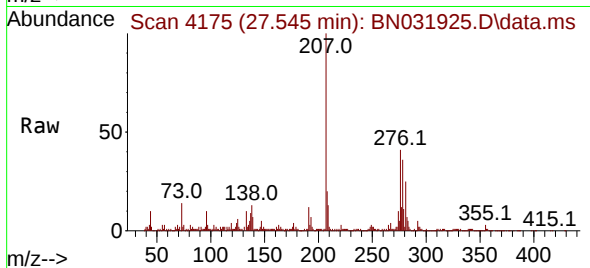
Tgt Ion:278 Resp: 184220

Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.0	22.6
279	31.0	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



#96

Benzo(g,h,i)perylene

Concen: 1.202 ng/ul m

RT: 28.521 min Scan# 4341

Delta R.T. -0.023 min

Lab File: BN031925.D

Acq: 12 Jun 2024 00:54

Tgt Ion:276 Resp: 73611

Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.9	31.3
277	25.8	18.0	27.0

