

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091622\
 Data File : BN021794.D
 Acq On : 16 Sep 2022 18:24
 Operator : CG/JU
 Sample : N4601-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5761

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2022
 Supervised By :mohammad ahmed 09/19/2022

Quant Time: Sep 17 00:24:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 17 00:17:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	184889	20.000	ng/u1	0.00
20) Naphthalene-d8	10.881	136	817889	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	504443	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	944773	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	607576	20.000	ng/u1	0.00
88) Perylene-d12	24.163	264	555542	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	18541	3.765	ng/uL	0.00
4) Pyridine-d5	3.799	84	59192	4.410	ng/u1	0.01
7) Phenol-d5	7.205	99	385181	22.970	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.369	67	239343	23.580	ng/u1	0.00
11) 2-Chlorophenol-d4	7.575	132	307758	25.226	ng/u1	0.00
15) 4-Methylphenol-d8	8.763	113	281260	21.377	ng/u1	0.00
21) Nitrobenzene-d5	9.228	128	167213	30.007	ng/u1	0.00
24) 2-Nitrophenol-d4	9.952	143	184324	37.034	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	305437	27.709	ng/u1	0.00
31) 4-Chloroaniline-d4	11.022	131	251500	13.435	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	954547	27.685	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	1115962	27.764	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	123942	18.065	ng/u1	0.00
60) Fluorene-d10	15.698	176	892322	29.743	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.816	200	126140	33.380	ng/u1	0.00
73) Anthracene-d10	17.557	188	1124396	27.006	ng/u1	0.00
81) Pyrene-d10	19.851	212	1104415	38.223	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.998	264	759978	28.861	ng/u1	0.00
Target Compounds						Qvalue
30) Naphthalene	10.928	128	127433	2.992	ng/u1	100
36) 2-Methylnaphthalene	12.540	142	130648	4.535	ng/u1	98
37) 1-Methylnaphthalene	12.757	142	122190	4.220	ng/u1	92
50) Acenaphthylene	14.428	152	123453	2.661	ng/u1#	97
52) Acenaphthene	14.769	153	41283	1.377	ng/u1	100
61) Fluorene	15.757	166	40315	1.187	ng/u1	95
72) Phenanthrene	17.498	178	902333	18.082	ng/u1	98
74) Anthracene	17.592	178	243035	4.891	ng/u1	98
80) Fluoranthene	19.522	202	1881308	53.980	ng/u1	99
82) Pyrene	19.881	202	1589887	43.769	ng/u1#	93
85) Benzo(a)anthracene	21.633	228	607368	16.603	ng/u1	96
87) Chrysene	21.686	228	757479	21.386	ng/u1	95
90) Benzo(b)fluoranthene	23.392	252	822406	24.333	ng/u1#	94
91) Benzo(k)fluoranthene	23.433	252	295559m	9.776	ng/u1	
93) Benzo(a)pyrene	24.051	252	423844	13.107	ng/u1#	96
94) Indeno(1,2,3-cd)pyrene	26.804	276	323005	8.136	ng/u1	95
95) Dibenzo(a,h)anthracene	26.810	278	95909	2.863	ng/u1#	89
96) Benzo(g,h,i)perylene	27.615	276	257415m	7.430	ng/u1	

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

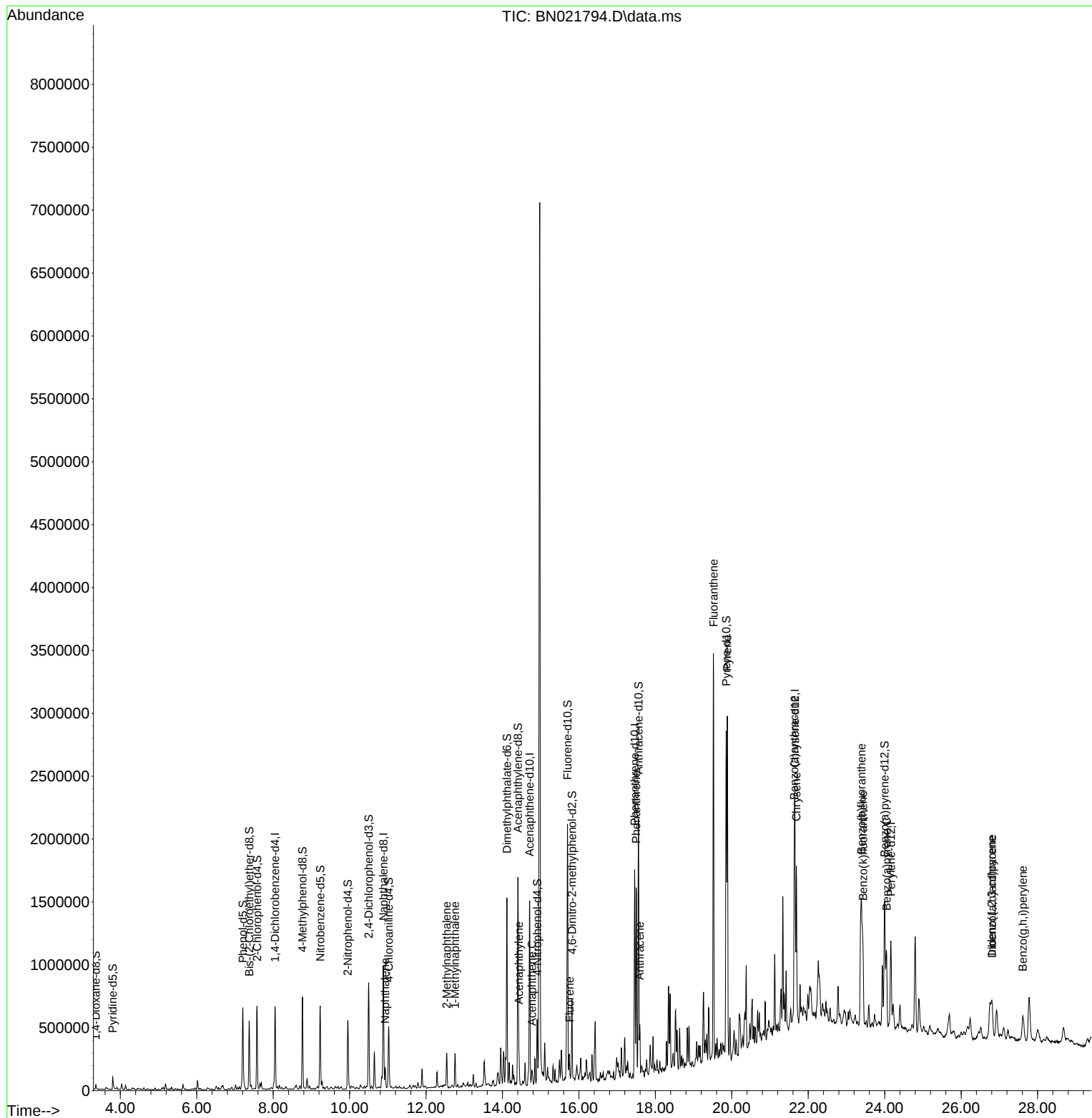
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091622\
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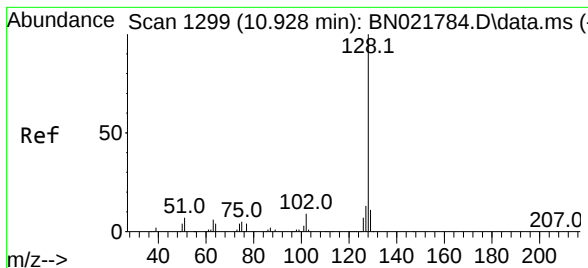
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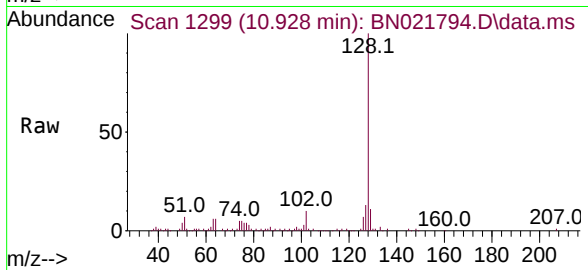
Quant Time: Sep 17 00:24:22 2022
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#30
Naphthalene
Concen: 2.992 ng/ul
RT: 10.928 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

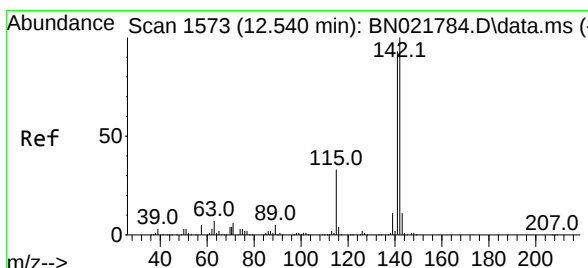
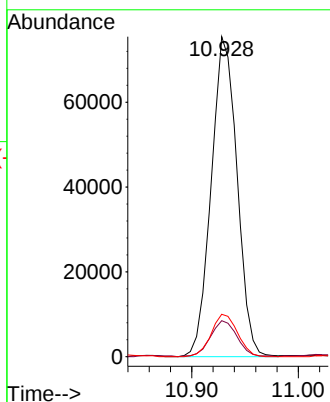
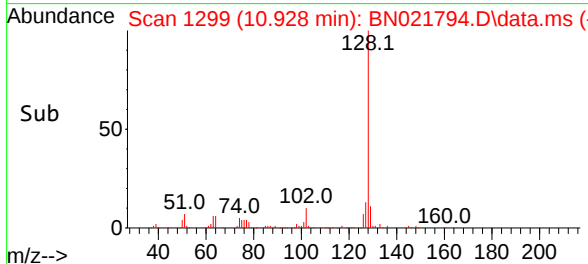
Instrument :
BNA_N
ClientSampleId :
A5761



Tgt Ion:128 Resp: 127433
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.2 10.6 16.0

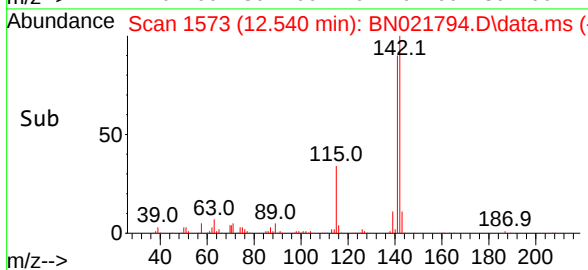
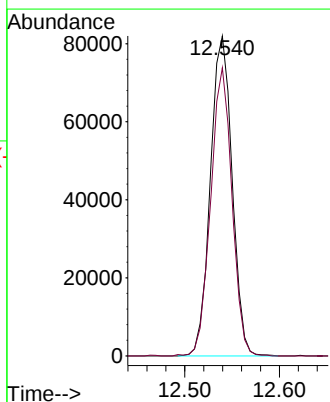
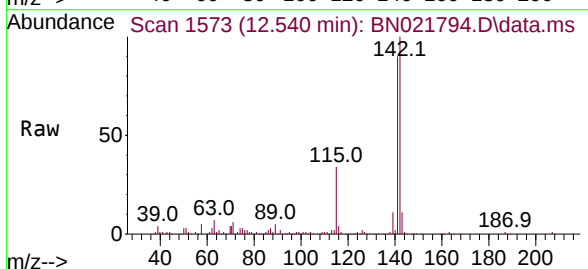
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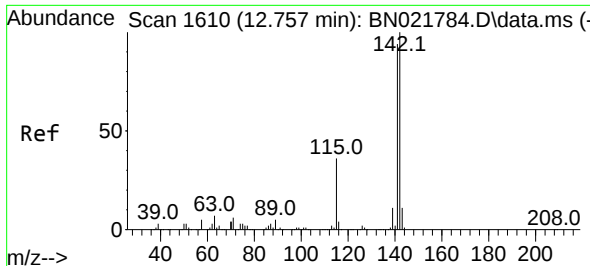
Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#36
2-Methylnaphthalene
Concen: 4.535 ng/ul
RT: 12.540 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Tgt Ion:142 Resp: 130648
Ion Ratio Lower Upper
142 100
141 90.0 70.6 105.8





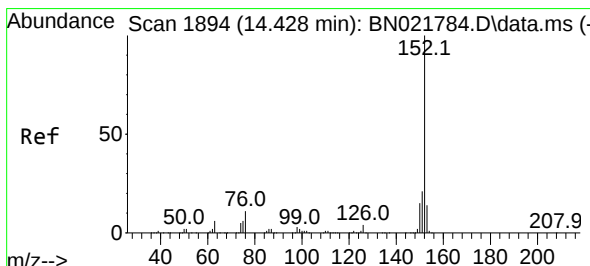
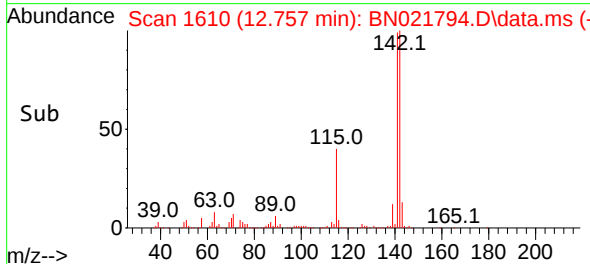
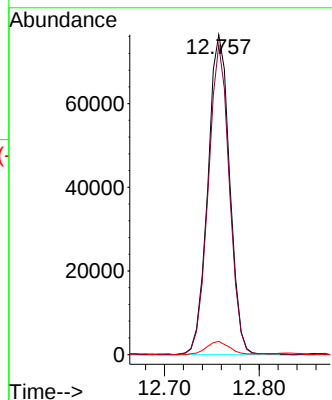
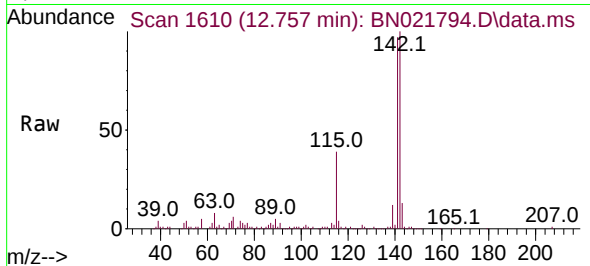
#37
1-Methylnaphthalene
Concen: 4.220 ng/ul
RT: 12.757 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Instrument :
BNA_N
ClientSampleId :
A5761

Tgt Ion:142 Resp: 122190
Ion Ratio Lower Upper
142 100
141 96.8 70.9 106.3
116 4.1 3.1 4.7

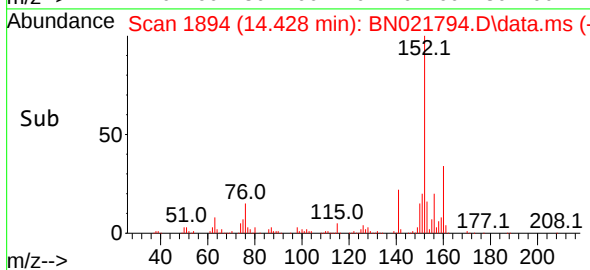
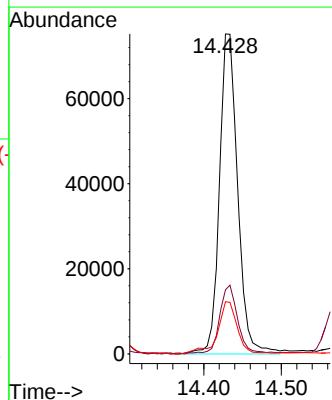
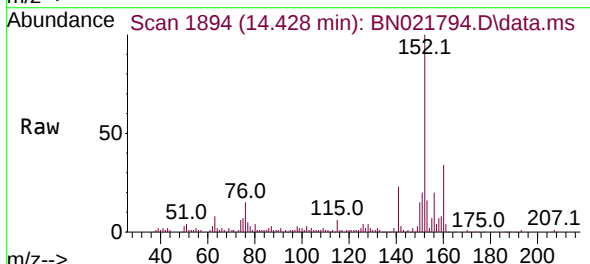
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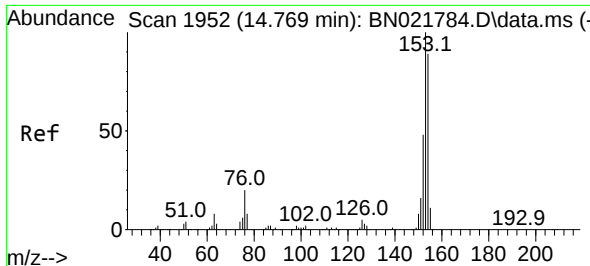
Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#50
Acenaphthylene
Concen: 2.661 ng/ul
RT: 14.428 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Tgt Ion:152 Resp: 123453
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 16.3 10.7 16.1#





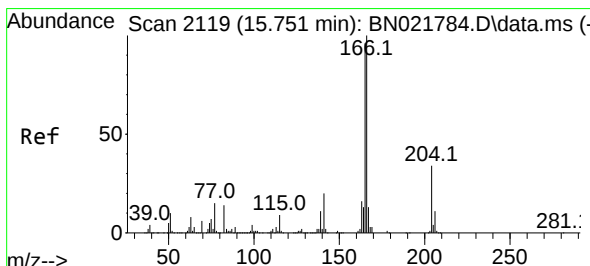
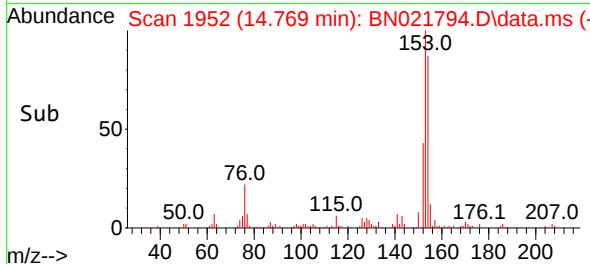
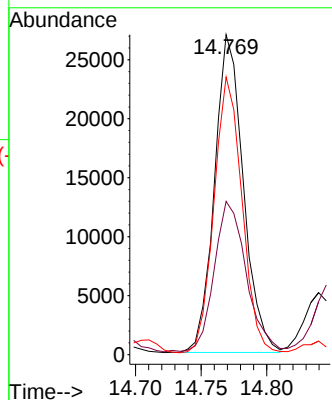
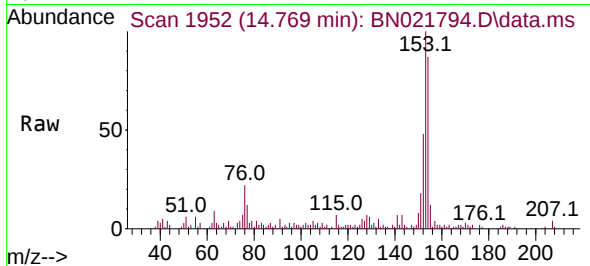
#52
Acenaphthene
Concen: 1.377 ng/u1
RT: 14.769 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Instrument :
BNA_N
ClientSampleId :
A5761

Tgt Ion:153 Resp: 41283
Ion Ratio Lower Upper
153 100
152 47.9 38.4 57.6
154 86.8 69.7 104.5

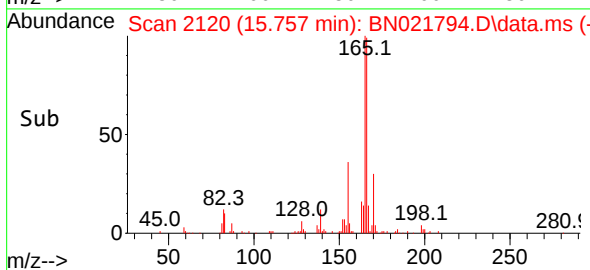
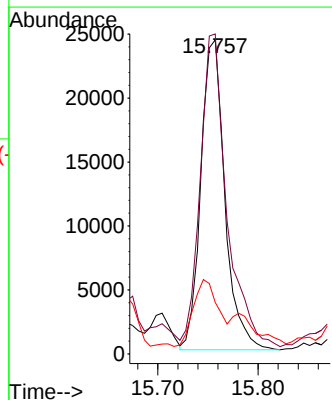
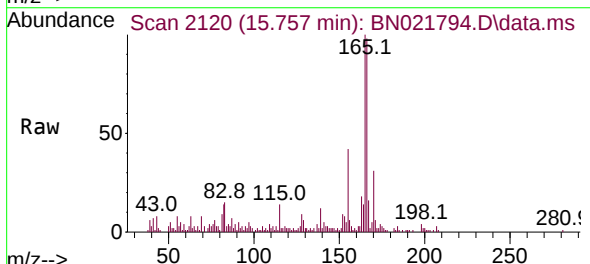
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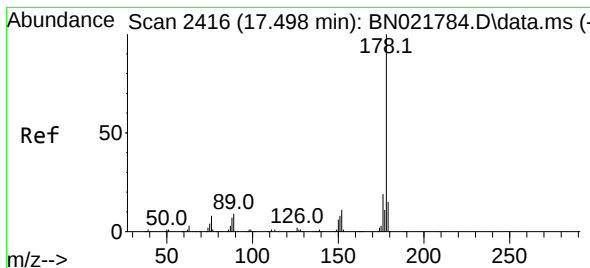
Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#61
Fluorene
Concen: 1.187 ng/u1
RT: 15.757 min Scan# 2120
Delta R.T. 0.006 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Tgt Ion:166 Resp: 40315
Ion Ratio Lower Upper
166 100
165 101.9 77.7 116.5
167 16.4 11.1 16.7





#72

Phenanthrene

Concen: 18.082 ng/u1

RT: 17.498 min Scan# 2416

Delta R.T. 0.000 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

Instrument :

BNA_N

ClientSampleId :

A5761

Tgt Ion:178 Resp: 902333

Ion Ratio Lower Upper

178 100

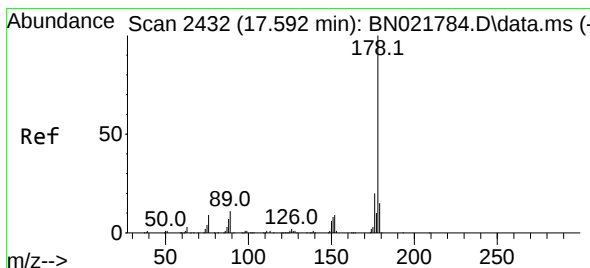
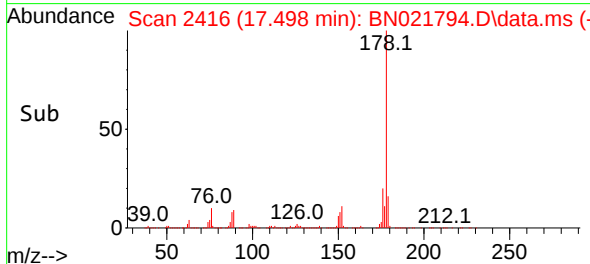
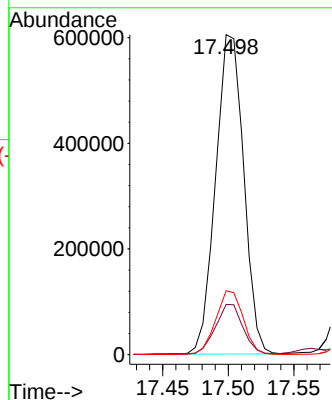
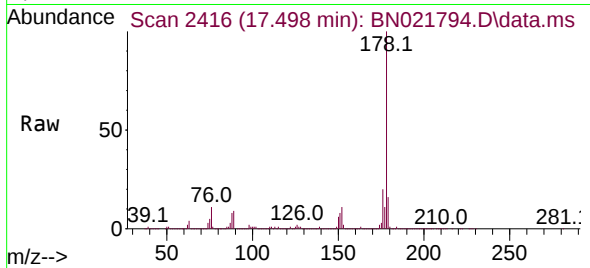
179 15.7 12.2 18.4

176 20.0 15.2 22.8

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2022



#74

Anthracene

Concen: 4.891 ng/u1

RT: 17.592 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

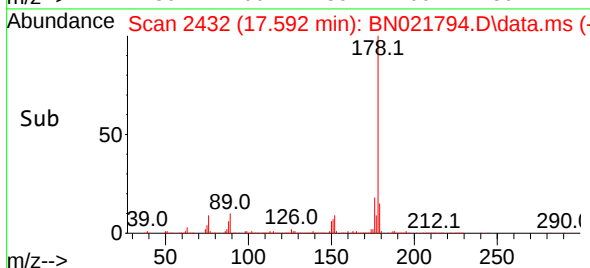
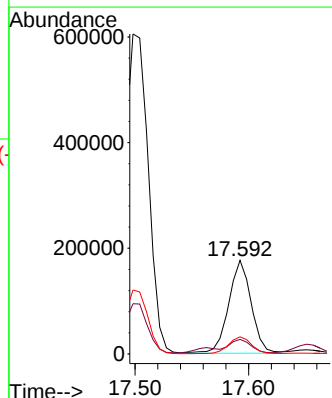
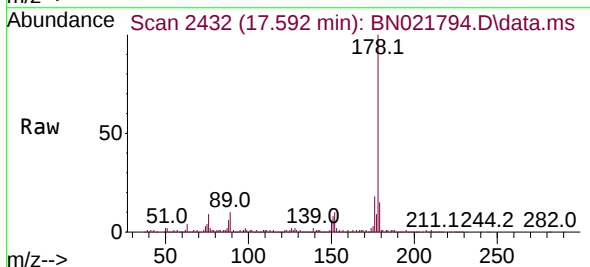
Tgt Ion:178 Resp: 243035

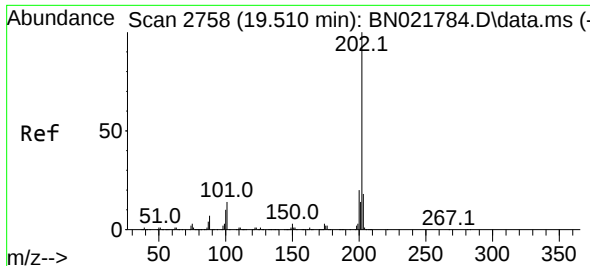
Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

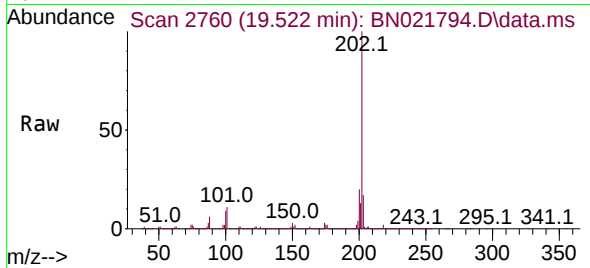
176 18.2 15.5 23.3





#80
Fluoranthene
Concen: 53.980 ng/u1
RT: 19.522 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

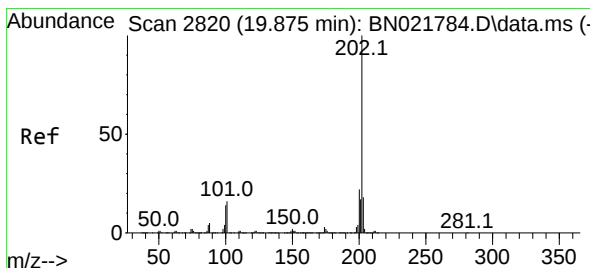
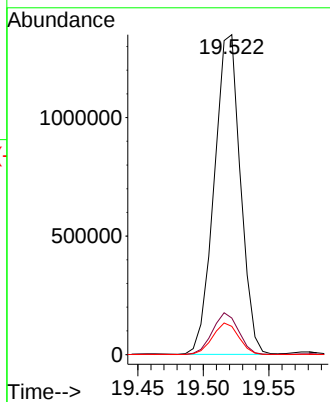
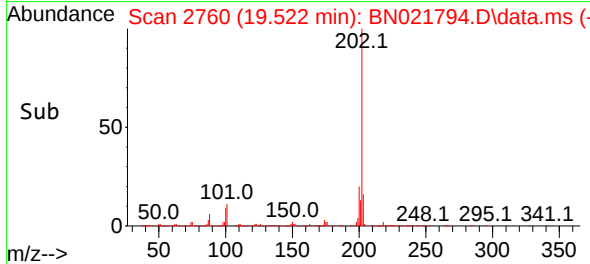
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Tgt Ion:202 Resp: 1881308
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
100 8.8 6.7 10.1

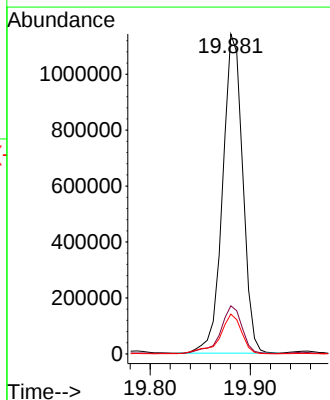
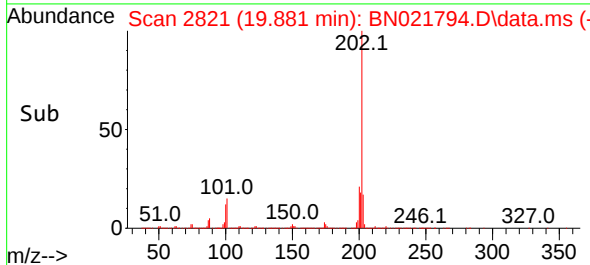
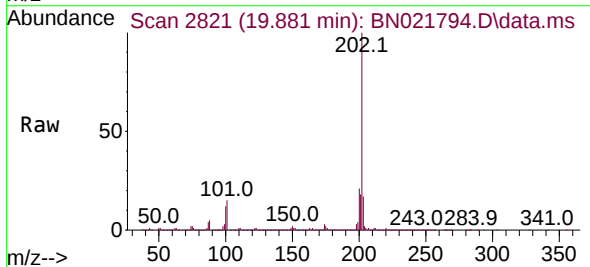
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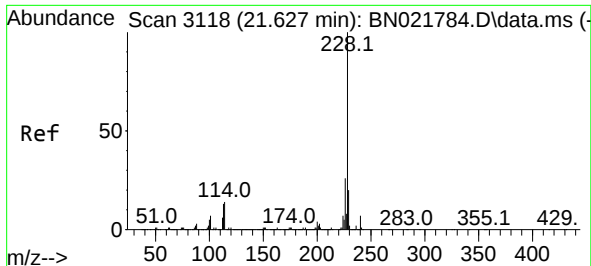
Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#82
Pyrene
Concen: 43.769 ng/u1
RT: 19.881 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

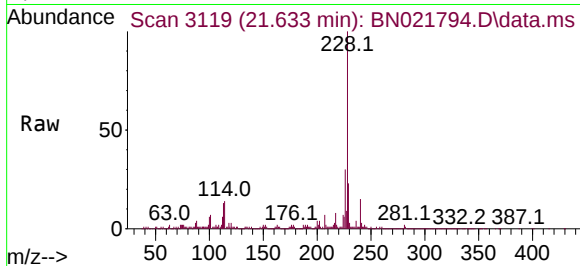
Tgt Ion:202 Resp: 1589887
Ion Ratio Lower Upper
202 100
101 15.0 9.7 14.5#
100 12.4 8.0 12.0#





#85
Benzo(a)anthracene
Concen: 16.603 ng/u1
RT: 21.633 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BN021794.D
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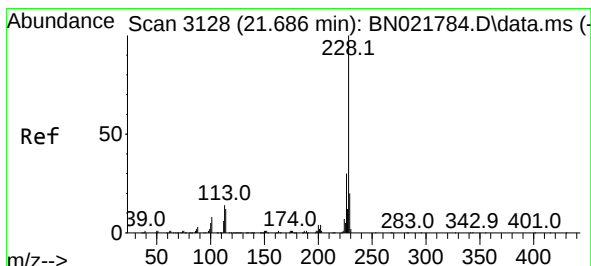
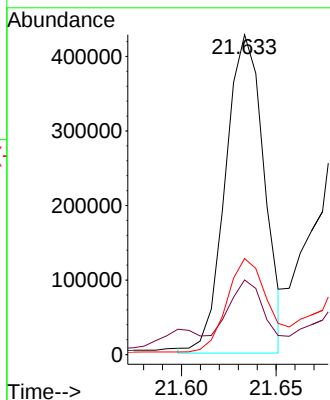
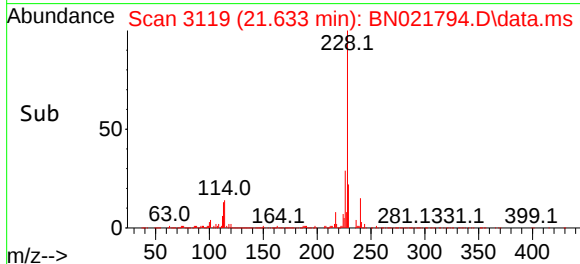
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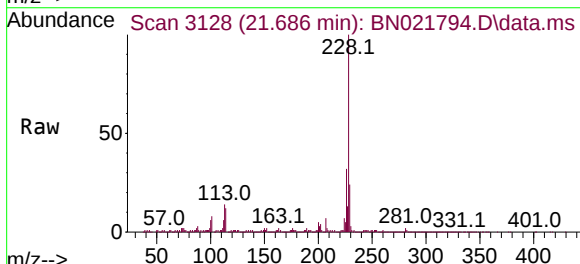
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Ion Ratio Lower Upper
228 100
229 23.3 16.3 24.5
226 30.0 23.2 34.8

Manual Integrations
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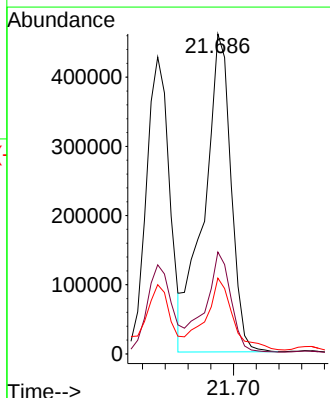
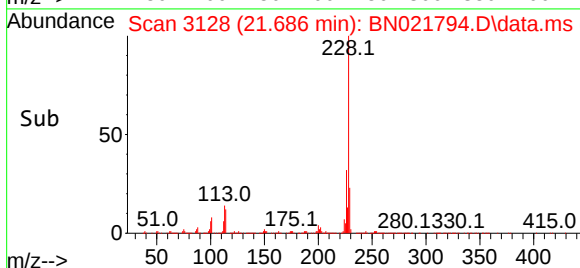
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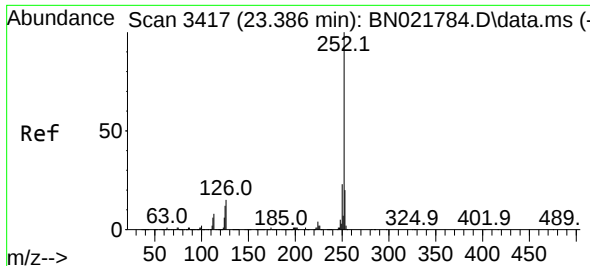


#87
Chrysene
Concen: 21.386 ng/u1
RT: 21.686 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24



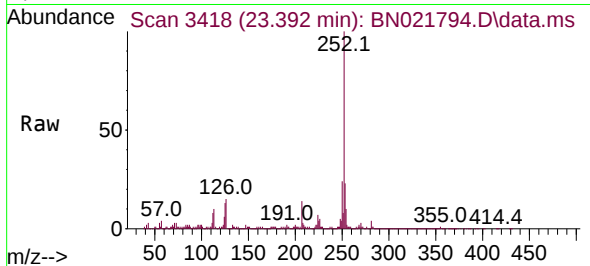
Tgt Ion:228 Resp: 757479
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.2
229 23.7 16.2 24.2





#90
Benzo(b)fluoranthene
Concen: 24.333 ng/ul
RT: 23.392 min Scan# 3417
Delta R.T. 0.006 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

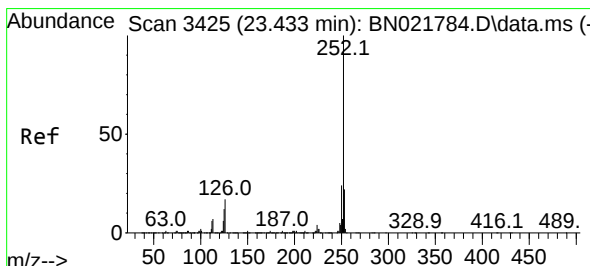
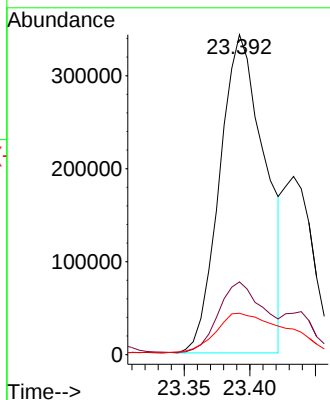
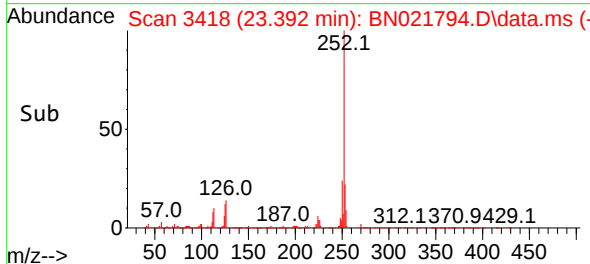
Instrument :
BNA_N
ClientSampleId :
A5761



Tgt Ion:252 Resp: 822406
Ion Ratio Lower Upper
252 100
253 22.7 16.5 24.7
125 12.9 7.8 11.8

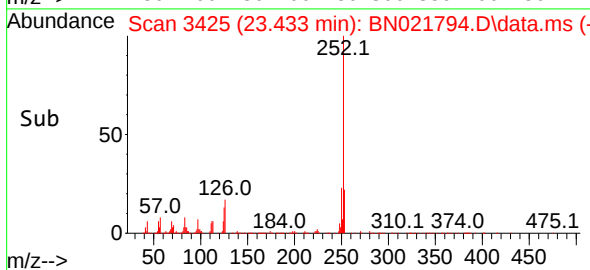
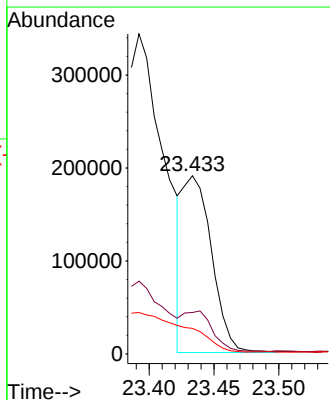
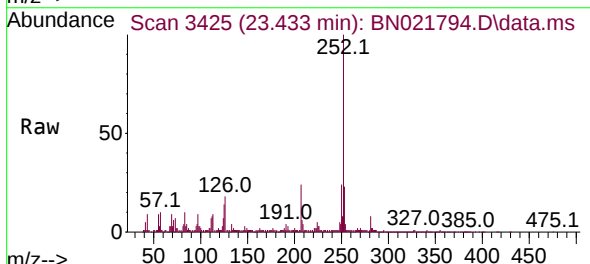
Manual Integrations
APPROVED

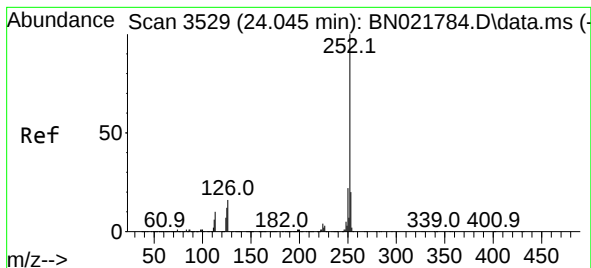
Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#91
Benzo(k)fluoranthene
Concen: 9.776 ng/ul m
RT: 23.433 min Scan# 3425
Delta R.T. 0.000 min
Lab File: BN021794.D
Acq: 16 Sep 2022 18:24

Tgt Ion:252 Resp: 295559
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 14.3 8.2 12.4





#93

Benzo(a)pyrene

Concen: 13.107 ng/ul

RT: 24.051 min Scan# 3530

Delta R.T. 0.006 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

Instrument :

BNA_N

ClientSampleId :

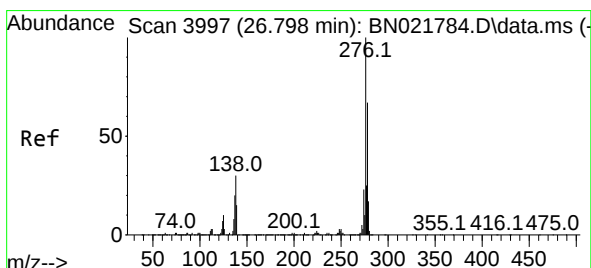
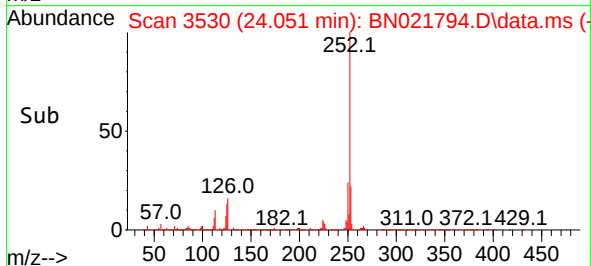
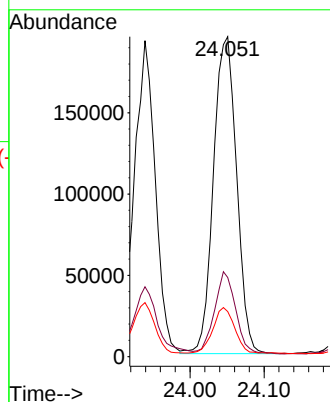
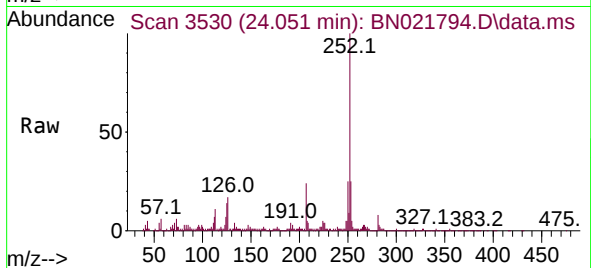
A5761

Tgt Ion:	252	Resp:	42384
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.7	28.1
125	14.1	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.136 ng/ul

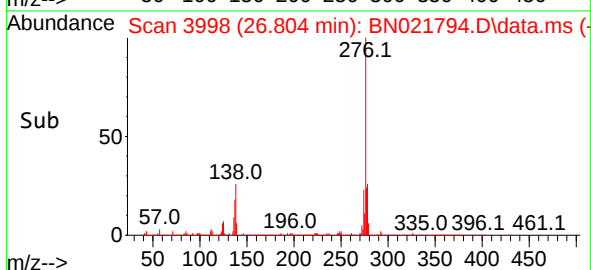
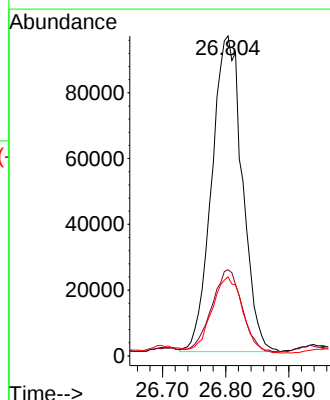
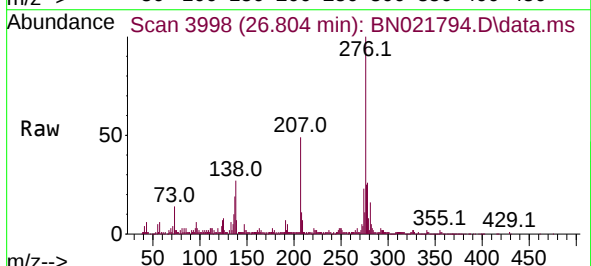
RT: 26.804 min Scan# 3998

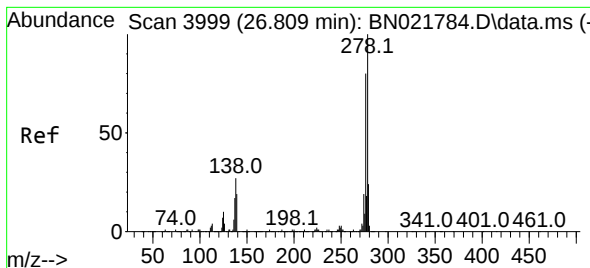
Delta R.T. 0.006 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

Tgt Ion:	276	Resp:	323005
Ion Ratio	Lower	Upper	
276	100		
138	26.9	19.5	29.3
277	24.7	21.4	32.0





#95

Dibenzo(a,h)anthracene

Concen: 2.863 ng/ul

RT: 26.810 min Scan# 3999

Delta R.T. 0.000 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

Instrument :

BN021794.D

ClientSampleId :

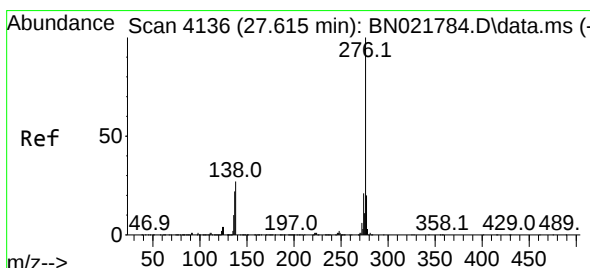
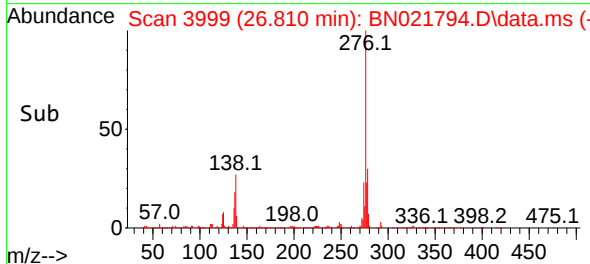
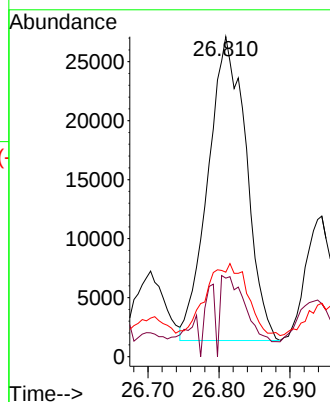
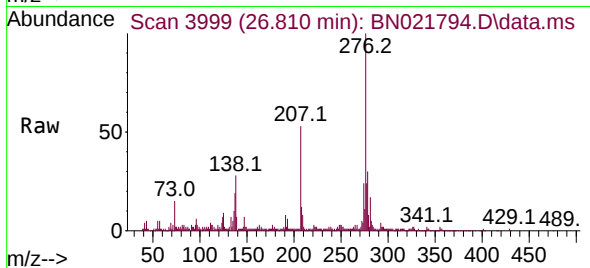
A5761

Tgt Ion:	278	Resp:	95909
Ion Ratio	Lower	Upper	
278	100		
139	24.5	13.8	20.8
279	26.4	18.3	27.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2022
Supervised By :mohammad ahmed 09/19/2022



#96

Benzo(g,h,i)perylene

Concen: 7.430 ng/ul m

RT: 27.615 min Scan# 4136

Delta R.T. 0.000 min

Lab File: BN021794.D

Acq: 16 Sep 2022 18:24

Tgt Ion:	276	Resp:	257415
Ion Ratio	Lower	Upper	
276	100		
138	25.6	17.0	25.6
277	22.5	17.8	26.6

